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CarData

Lwpg 2011

The Towbar Electrics Database

for

Towbar Fitters

Alvanley House, Alvanley Ind. Est., Bredbury, Stockport, Cheshire, SK6 2DJ Phone 0161 430 1120 (fax 0161 430 8140)

To all recipients of the CarData report.

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				Partial or
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Volkswagen Transporter T4 Van	-	520

Volvo	Year	Page
Volvo 850 Estate	1992 -2000	521
Volvo 850 Saloon etc All	2000 -	522
Volvo C30 All	2007 -	523
Volvo C70 Convertible	2001 -	524
Volvo S40 All	2005 -	525
Volvo S40 All	2000 -	526
Volvo S40 All	2004 -	527
Volvo S60 T5/D5 All	2000 -	528
Volvo S70 All	1997 -2000	529
Volvo S80 Saloon	1998 -	530
Volvo S80 Saloon etc	2001 -	531
Volvo V40 All	2001 -	532
Volvo V50 All	2004 -	533
Volvo V70 Estate	2000 -	534
Volvo V70 Estate	2007 -	535
Volvo XC60 SUV	2009 -	536
Volvo XC70 SUV	2007 -	537
Volvo XC90 SUV	2003 -	538

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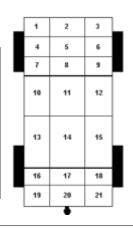
7-Core Entry Point	Longer 7 Core Cable		Bypass Recommend F2302, see SmartCA		Other Relay Recomended
21 Grommet	N/A	4-way: A	l but flashers		N/A
Automatic Trailer Flasher Monitor	Reversing Sensor		Cut Out Switch, etc).	Mfr's Towing Plug
	N/A		N/A		No
Find Constant Live			Find Ignition-Switc	hed Live	
Colour:			Colour: N/A		
Location: 12			Location: 1		
Add Fuse: N/A			Add Fuse: N/A		
Best Wiring Location	Route to Batte	ery	F	Fusebox Lo	ecation
21	Dash, R/H (12))	S	Steering col	umn (under)

Fitting times, etc. Notes	
Test with test board to apply realistic loads	

Wire positions and connection points etc are given. Use probe to identify correct wire in location.

These notes relate fitting bypass relay. For TF2302 SmartCAN, see SmartCAN Data

Lights	Vehicle Wire Colours	Alternative	Location
LH Flasher	Black/tan	At hinge boot	19
Fog Light	Grey	Bypass	21
RH Flasher	Purple/tan	Bypass	21
RH Side Light	Black/purple	Bypass	21
Brake Light	Green/lime	At hinge boot	21
LH Side Light	Yellow/black	At hinge boot	19
Reverse	White/black	At hinge boot	21



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Quality, Service, Innovation

Car Data Sheet

Reverse

Alfa Romeo 147 Saloon etc 2003 -

7-Core Entry Point		Longer 7 Con	re Cable	Bypass Recommended If TF2302, see SmartCAN data		Other	Rela	y Reco	omend	ied	
19 Grommet				None							
Automatic Trailer Fla	asher Monitor	Reversing Se	ensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	a	
										<u> </u>	
Find Constant Live					Find Ignition-Sw	itched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Post Wiring Location	n	В	oute to Battery			Fusebox L	costion				
Best Wiring Location	<u>n</u>	K	oute to battery			rusebox L	ocation				
Choose power	er source careful	lly. On cars wit	th power manag	ement (ID	by battery condition	on in display	/) do not	go to	the b	attery	
Fitting times, etc. N	otes										
Straightforward											
					y correct wire in lo see SmartCAN Data			1 4	2	3	
Lights	Vehicle Wire (Colours	Alternative		L	ocation		7	8	9	ı
LH Flasher	Black/white								-	-	
Fog Light	Grey/white							10	11	12	
RH Flasher	Green/black									\sqcup	
RH Side Light	Grey/red							13	14	15	
Brake Light	Black/red										
LH Side Light	Grey/black							16	17	48	

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Quality, Service, Innovation

Reverse

White/green

ar Data Sne	et					Alta	Rom	eo '	156	AII Z	UUU
7-Core Entry Point		Longer 7 C	ore Cable	Bypass Recommended If TF2302, see SmartCAN data			Other Relay Recomer				ed
				3-way: S	Side lights only						
Automatic Trailer F	Flasher Monitor	Reversing	Sensor		Cut Out Switch, e	etc.	Mfr's	Towi	ng Plu	g	
							21 M				
Find Constant Live)				Find Ignition-Swi	tched Live					
Colour:					Colour:						
Location: 21					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	on		Route to Battery			Fusebox I	_ocation				
Choose pow	ver source carefu	lly. On cars v	vith power manag	jement (ID	by battery condition	on in displa	y) do no	t go to	the b	attery.	
Fitting times, etc.											
2002: Sportswagon	needs bypass on	stop lights.									
Modulated supply: p	ulse on the brake	light circuit re	quires a TF2217LC	OGIC or TF	2218 Smart7 Bypass	3					
Test with test board	to apply realistic le	oads									
					fy correct wire in lo see SmartCAN Data			1	2	3	
Lights	Vehicle Wire	Colours	Alternative		L	ocation		7	8	-	
LH Flasher	Blue/black					23		<u> </u>	-	-	_
Fog Light	Grey		Under top tr	im				10	11	12	
RH Flasher	Blue									$\vdash \vdash$	
RH Side Light	Yellow/red		Bypass					13	14	15	
Brake Light	Pink/yellow										
LH Side Light	Yellow/black		Bypass			19		16	17	48	

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At hinge boot

Quality, Service, Innovation

Car Data Sheet			A	Alfa Romeo 164 All 2003
7-Core Entry Point	Longer 7 Core Cable		Bypass Recommended F2302, see SmartCAN dat	Other Relay Recomended
		TF2218/	7SMARTLOGIC	
Automatic Trailer Flasher Monitor	Reversing Sensor		Cut Out Switch, etc.	Mfr's Towing Plug
Find Constant Live			Find Ignition-Switched L	ive
Colour:			Colour:	
Location:			Location:	
Add Fuse:			Add Fuse:	
Best Wiring Location	Route to Batte	ery	Fuseb	ox Location

Choose power source carefully. On cars with power management (ID by battery condition in display) do not go to the battery.

Fitting times, etc. Notes		

Wire positions and connection points etc are given. Use probe to identify correct wire in location.

These notes relate fitting bypass relay. For TF2302 SmartCAN, see SmartCAN Data

Lights	Vehicle Wire Colours	Alternative	Location
LH Flasher			
Fog Light			
RH Flasher			
RH Side Light			
Brake Light			
LH Side Light			
Reverse			

	1	2	3	L
	4	5	6	ı
	7	8	9	
	10	11	12	
	13	14	15	
	16	17	18	ı
_	19	20	21	Γ
		•		

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Quality, Service, Innovation

Reverse

Orange

7-Core Entry Point		Longer 7 (Core Cable	If -	Bypass Recommended If TF2302, see SmartCAN data			Other Relay Recomende			
				3-way:	Side lights only						
Automatic Trailer Fl	asher Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's	Towii	ng Plu	q	
		3			,				<u>J</u>	<u> </u>	
Find Constant Live					Find Ignition-Sw	ritched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Locatio	on		Route to Batter	у		Fusebox L	ocation				
		ly. On cars	with power man	agement (ID	by battery conditi	on in display	/) do not	go to	the b	attery.	
Fitting times, etc. No Fault condition: don't		liaht wire he	oquae in reverse	a aignal day	n the N/C circuit bri	ago the trailer	oido liabt	o on			
Bypass: As indicated		_			IT the N/3 circuit bill	igs the trailer	side light	.5 011.			
bypass. As indicated	above, to avoid to	venoau, ma	ilulicitor of CFO	uamaye							
					ify correct wire in I see SmartCAN Dat			1	2	3	
Lights	Vehicle Wire C	colours	Alternati	ve		Location	▔▐	7	5	6	
LH Flasher	Blue/black						-	-	8	,	
Fog Light	Grey/red		At hinge t	poot		20		10	11	12	
RH Flasher	Light blue/white)					-	_		\square	
RH Side Light	Yellow/blue							13	14	15	
Brake Light	Green/white										
LH Side Light	Dark blue		Grey/whit	e				16	17	48	

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In boot lid loom

Quality, Service, Innovation

Car Data Sheet Audi A3 All 1996 -2003

7-Core Entry Point	t	Longer 7 Core Cable		Bypass Recommended F2302, see SmartCAN dat		Other Relay Recomended			
19 Grommet			3-way: S	top & L/R tails					
Automatic Trailer	Flasher Monitor	Reversing Sensor		Mfr's	Mfr's Towing Plug				
		3		Cut Out Switch, etc.				<u>-</u>	
Find Constant Live	e			Find Ignition-Switched	Live				
Colour:	-			Colour:					
Location:				Location:					
Add Fuse:				Add Fuse:					
Best Wiring Locati	ion	Route to	Batterv	Fusel	oox Location				
		Footwell L	./H (Channel from gr	rommet)					
Choose pov		ly. On cars with powe	r management (ID	by battery condition in di	splay) do not	go to	the ba	attery.	
		ooints etc are given. U g bypass relay. For TF		y correct wire in location see SmartCAN Data		1	2	3	
		g bypass relay. For TF				4	5	3	
These	notes relate fittin	g bypass relay. For TF	F2302 SmartCAN, s	ee SmartCAN Data				3 6 9	
Lights	vehicle Wire C	g bypass relay. For TF	F2302 SmartCAN, s	ee SmartCAN Data		4	5	3 6 9	
Lights LH Flasher	Vehicle Wire C	g bypass relay. For TF	F2302 SmartCAN, s	ee SmartCAN Data		7	5	6	
Lights LH Flasher Fog Light	Vehicle Wire C Black/white Grey/white	g bypass relay. For TF	F2302 SmartCAN, s	ee SmartCAN Data		7	5	6	
Lights LH Flasher Fog Light RH Flasher	Vehicle Wire C Black/white Grey/white Black/green	g bypass relay. For TF	F2302 SmartCAN, s	ee SmartCAN Data		4 7 10	5 8	6 9	
Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire C Black/white Grey/white Black/green Grey/white	g bypass relay. For TF	F2302 SmartCAN, s	ee SmartCAN Data		4 7 10	5 8	6 9	

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7-Core Entry Point		Longer 7	Core Cable	If	Bypass Recon TF2302, see Sm		Other Rela	ay Rec	omende
21				TF221	3/7SMARTLOGIC	2	TF2218/75	SMART	LOGIC
Automatic Trailer F	lasher Monitor	Reversin	ıg Sensor		Cut Out Swit	ch. etc.	Mfr's Tow	ina Plu	ıa
			<u> </u>			,			-5
ind Constant Live					Find Ignition	-Switched Live			
Colour:					Colour:				
Location: Battery					Location:				
Add Fuse:					Add Fuse:				
7144 1 456.					71007000				
Best Wiring Location	on		Route to Battery	/		Fusebox L	ocation		
9 Under bonnet						Dash, R/H	(12)		
OSSIBLE Power so	y : Remove large s ource at socket. Po	speaker hiç sition 19	gh up on n/s to find			in location.			
These	notes relate fitting	g bypass	relay. For TF2302	SmartCAN	see SmartCAN	Data	1	2	3
Lights	Vehicle Wire C	olours	Alternativ	е		Location	4	5	6
LH Flasher	Black/white						- '	8	,
Fog Light	White/yellow					See note	10	11	12
RH Flasher	Green/black								
RH Side Light	Grey/red						13	14	15
Brake Light	White								
LH Side Light	Grey/black						16	17	18
Reverse	Blue/red					See note	40		24

Quality, Service, Innovation

LH Side Light

Reverse

Grey/black

Blue/red

ai Dala Sileel		Audi As Sportback 20								
7-Core Entry Point		Longer 7 Co	ore Cable		Bypass Recomme F2302, see Smart0		Othe	r Rela	y Reco	omende
18 Wheel arch				TF2218/		TF2218/7SMARTLOGI				
Automatic Trailer Flas	sher Monitor	Reversing S	Sensor	Cut Out Switch, etc.		etc.	Mfr's Towing Plug			g
Find Constant Live					Find Ignition-Sw	itched Live				
Colour: Blue(or gre	een)/red				Colour:					
Location: 13	•				Location:					
Add Fuse:					Add Fuse:					
Best Wiring Location			Fusebox L	ocation	ı					
Choose power	source careful	ly. On cars w	vith nower manage	iement (ID	by battery condition	on in display) do no	t ao ta	the h	atterv
Fitting times, etc. Not		y. 011 0410 W	Tur power manag	Jemen (12	by battery contains	on in display	, 40 110	. go .c		uttory.
POSSIBLE Power sour		sition 19								
Wire positions an These no					y correct wire in k see SmartCAN Dat			1	2	3
Lights	Vehicle Wire C	olours	Alternative		L	ocation		7	8	
LH Flasher	Black/white					19 lamp	_	\vdash		,
Fog Light	White/yellow					13		10	11	12
RH Flasher	Green/black					21 lamp		$\vdash \vdash$		\square
RH Side Light	Grey/red					21 lamp		13	14	15
Brake Light	White					21 lamp			-	

19 lamp

13

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Quality, Service, Innovation

ar Data Sheet							Audi <i>A</i>	\4 <i>F</i>	AII 19	996 -	2000
7-Core Entry Point		Longer 7 Co	ore Cable		Bypass Recomme F2302, see Smart0		Other	Rela	y Reco	omeno	led
19/21 Grommets rear	panel			TF2218/7	'SMARTLOGIC						
Automatic Trailer Fla	asher Monitor	Reversing S	Gensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	g	
Find Constant Live					Find Ignition-Sw	itched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	n	F	Route to Battery			Fusebox L	ocation				
Choose power	r source careful	ly. On cars w	ith power manag	ement (ID	by battery condition	on in display	y) do not	go to	the b	attery	i
Fitting times, etc. N	otes										
Check before starting		ou are fitting l	has bulb-failure m	onitoring.							
Bulb-failure monitor o	n Stop and Tail										
Power bus bar under st.wheel.Estate has li						er, + 3 screws	s and und	clip to	p on bo	oth sid	es of
Wire positions a	and connection potes relate fitting	ooints etc are g bypass rela	given. Use prob y. For TF2302 Sn	e to identif nartCAN, s	y correct wire in lo ee SmartCAN Dat	ocation. a		1	2	3	
Lights	Vehicle Wire C	colours	Alternative		l	ocation_		7	5	9	
LH Flasher	Green/blue							'		,	
Fog Light	Grey/white							10	11	12	
RH Flasher	Green/black										
RH Side Light	Grev/red									l l	

White/red on LHS (or Black/red on RHS) **Brake Light**

LH Side Light

Reverse

Grey/black Blue/red

_	1	2	3	L
	4	5	6	ı
	7	8	9	
	10	11	12	
	13	14	15	
	16	17	18	
	19	20	21	Γ

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Quality, Service, Innovation

Car Data Sheet Audi A4 All 2002 -

7-Core Entry Point	Longer 7 Core Cable		Bypass Recomm 2302, see Smart		Other Relay Recomend		
19/21 Grommets rear panel		TF2218/7	TF2218/7SMARTLOGIC		TF2218/7SMARTLOGIC		
Automatic Trailer Flasher Monitor	Reversing Sensor		Cut Out Switch,	etc.	Mfr's Towing Plug		
Find Constant Live			Find Ignition-Sv	vitched Live			
Colour:			Colour:				
Location:			Location:				
Add Fuse:			Add Fuse:				
Best Wiring Location	Route to Batte	ery		Fusebox	Location		
19, 21 Lamps	Battery (throug	h bulkhead by)					

Choose power source carefully. On cars with power management (ID by battery condition in display) do not go to the battery.

Fitting times, etc. Notes

2005:Update-12V power o/s in trim panel (Red/purple). Side & Fog light n/s share one wire (Grey/white) in black multiplug,found position 16

Power bus bar under the dash: remove the bolt-on section of the dash to access: unclip fusebox cover, + 3 screws and unclip top on both sides of st.wheel.Estate has live point at the cig/power point at 21. Red. To access pull down trim cover.

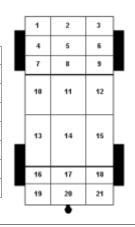
Modulated supply: pulse on the brake light circuit requires a TF2217LOGIC or TF2218 Smart7 Bypass

Wiring: Fog & side lights share the same wire. Connect ONLY the fog signal wire from the TF2217LOGIC or TF2218 Smart7 bypass to this wire. Relay will switch both side and fog outputs correctly.

Wire positions and connection points etc are given. Use probe to identify correct wire in location.

These notes relate fitting bypass relay. For TF2302 SmartCAN, see SmartCAN Data

Lights	Vehicle Wire Colours	Alternative	Location
LH Flasher	Green/blue		
Fog Light	Grey/white		16
RH Flasher	Black/green	2005 Yellow/green	
RH Side Light	Grey/red	2005 Black/red	
Brake Light	Black/red	2005 Black/red	21
LH Side Light	Grey/black	2005 Grey/white	19
Reverse	Blue/red	2005 Blue	



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Quality, Service, Innovation

Car Data Sheet Audi A4 All 2009 -

ar Data Sneet				Audi A4 Ali 200							
7-Core Entry Point		Longer 7 C	ore Cable	Bypass Recommended If TF2302, see SmartCAN data			Other Relay Recom			mend	led
				TF2218/7	'SMARTLOGIC						
Automatic Trailer Flash	er Monitor I	Reversing S	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	g	
Find Constant Live					Find Ignition-Sw	itched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location		Route to Battery			Fusebox L	ocation					
Choose nower se	ource carefully	On care w	ith nower manag	oment (ID	by battery condition	on in dienlau	ı) do not	ao ta	tho h	ottory	
Fitting times, etc. Note:		. On cars w	nui powei manag	ement (ID	by battery condition	on in display) do not	go ic	, tile De	attery.	_
Models built after April 20 Contact dealer to confirm	009 do not need	special ada	aptation for towing								
Joniaci dealer to commi	i builla date.										
Wire positions and These note					y correct wire in Id			1	2	3	
Lights V	ehicle Wire Co	lours	Alternative		L	ocation		7	5	9	ı
LH Flasher B	lack/blue					19	-	,		,	7
Fog Light G	Grey/white					18		10	11	12	
RH Flasher B	lack/green					21					
RH Side Light G	Grey					18		13	14	15	
Brake Light G	Grev/blue					21					-

19

18

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Grey

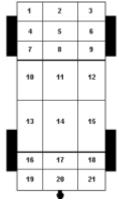
Black/white

LH Side Light

Reverse

Car Data Sh	neet					Audi <i>i</i>	A4 \$	Salo	on 2	.001 -	
7-Core Entry Po	int	Longer 7 C	Core Cable	If	Bypass Recommended If TF2302, see SmartCAN data			Other Relay Recomende			led
19/21 Grommets	rear panel			TF221	8/7SMARTLOGIC						
Automatic Traile	er Flasher Monitor	Reversing	Sensor		Cut Out Switc	h, etc.	Mfr's	Towi	ng Plu	g	
Find Constant L	ive				Find Ignition-	Switched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Loc	ation		Route to Batte	ry		Fusebox	Location				
19, 21 Lamps			Battery (through	n bulkhead b	y)						
Choose p	oower source carefu	Ily. On cars v	with power mar	nagement (I	D by battery cond	lition in displa	y) do not	go to	o the b	attery	
Fitting times, et	tc. Notes										
	fuse will not support of costly fault investiga			jht bypass re	lay (TF1013). NO	ΓΕ: Audi recom	mend use	e of fu	ıll bypas	ss set	(e.g.
	ons and connection ese notes relate fittin							1	2	3	
Lights	Vehicle Wire	Colours	Alternati	ive		Location		7	5	6	
LH Flasher	Green/blue						-	-		,	
Fog Light	Grey/white							10	11	12	
RH Flasher	Black/green									\sqcup	

Lights	Vehicle Wire Colours	Alternative	Location
LH Flasher	Green/blue		
Fog Light	Grey/white		
RH Flasher	Black/green		
RH Side Light	Grey/red		
Brake Light	Black/red		
LH Side Light	Grey/black		
Reverse	Blue/red		



Quality, Service, Innovation

7-Core Entry Poin	t	Longer 7	Core Cable	If '		pass Recommer 302, see SmartC		Other	r Rela	y Reco	omended
19/21 Grommets re	ear panel			3-way:	Stop	& L/R tails					
Automatic Trailer	Flasher Monitor	Reversing	g Sensor		С	cut Out Switch, e	tc.	Mfr's	Towi	ng Plu	g
Find Constant Liv	е				Fi	ind Ignition-Swi	tched Live				
Colour:						Colour:					
Location: Under	dash					Location:					
Add Fuse:						Add Fuse:					
Best Wiring Locat	est Wiring Location Route to Battery						Fusebox Lo	cation			
							Dash, R/H (
Choose por	wer source carefu	lly. On cars	with power man	agement (II	D by	battery condition	n in display)	do not	t go t	o the b	attery.
Fitting times, etc.											
Check before starti		•									
Power bus bar und st.wheel.Estate has							r, + 3 screws	and un	clip to	p on bo	oth sides
		5 F - F -									
	s and connection										
These	e notes relate fittir	ng bypass r	elay. For TF2302	SmartCAN,	see	SmartCAN Data	l		1	2	3
Lights	Vehicle Wire	Colours	Alternativ	/e		L	ocation		4	5 8	6
LH Flasher	Black/green								-	8	, ,
Fog Light	Grey/white								10	11	12
RH Flasher	Black/white										\square
RH Side Light	Grey/red								13	14	15
Brake Light	Black/red										
LH Side Light	Black/white								16	17	18
Reverse	Rlue/red										

Quality, Service, Innovation

7-Core Entry Point		Longer 7	Core Cable	Bypass Recommended If TF2302, see SmartCAN data			Other R	elay Rec	comende	d
				See note	below					
Automatic Trailer Flash	er Monitor	Reversing	Sensor		Cut Out Switch, e	etc.	Mfr's To	wing Pl	ug	-
Find Constant Live					Find Ignition-Swi	tched Live				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Location			Route to Battery			Fusebox Lo	cation			
Choose power so Fitting times, etc. Notes Warning: Audi A4 and A5 possibly a new alternator	s , vehicles buil	t March 200		ost models	need extensive mo					
Wire positions and These note			re given. Use probe elay. For TF2302 Sm					1 2	3	ı
Lights V	ehicle Wire C	olours	Alternative		L	ocation		7 8	9	
LH Flasher							_	+	+	•
Fog Light							1	0 11	12	
RH Flasher										
RH Side Light							١ .	3 14	15	
Brake Light										ı
LH Side Light							-	6 17	18	
Reverse							•	9 20	21	ı

Quality, Service, Innovation

Car Data Sheet Audi A6 - 2007 -

7-Core Entry Point	Longer 7 Core Cable		Bypass Recommended If TF2302, see SmartCAN da			
Grommet: number plate light	2m	TF2218/7	TF2218/7SMARTLOGIC		TF2218/7SMARTLOGIC	
Automatic Trailer Flasher Monitor	Reversing Sensor		Cut Out Switch,	etc.	Mfr's Towing Plug	
Find Constant Live			Find Ignition-Switched Live			
Colour:			Colour:			
Location:			Location:			
Add Fuse:			Add Fuse:			
Best Wiring Location Route to Battery		ery		Fusebox I	Location	
21	Boot RHS 18/2	21				

Choose power source carefully. On cars with power management (ID by battery condition in display) do not go to the battery.

Fitting times, etc. Notes

Wiring: Brake & side lights share one wire. Connect red wire only from relay to run both circuits. Do not connect thin brown or black. All lamps will work corrrectly.

Wiring: If the single brake connection does not work sielights and brake correcly, try using the foglight circuit on the relay for the brakes. You will have to use a single bypass for the fog.

Wire positions and connection points etc are given. Use probe to identify correct wire in location.

These notes relate fitting bypass relay. For TF2302 SmartCAN, see SmartCAN Data

Lights	Vehicle Wire Colours	Alternative	Location
LH Flasher	Red/grey		19
Fog Light	Green/blue		19 behind side panel
RH Flasher	Grey/red		19
RH Side Light		Shared	19 behind side panel
Brake Light	Grey	Shared	21
LH Side Light		Shared	
Reverse	Black/green		19 behind side panel

	1	2	3	
	4	5	6	
	7	8	9	
	10	11	12	
	13	14	15	
	16	17	18	
٦	19	20	21	Γ
		•		

Ryder Towing Equipment Ltd

Quality, Service, Innovation

Reverse

Green/black

		I					T			
7-Core Entry Point		Longer 7	Core Cable		Bypass Recomme F2302, see Smart0		Othe	r Rela	y Rec	omende
19/21 Grommet				TF2218/	7SMARTLOGIC		TF22	18/7S	MART	LOGIC
Automatic Trailer Flas	sher Monitor	Reversing Sensor			Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	ıg
ind Constant Live					Find Ignition-Sw	itched Live				
Colour:					Colour:					
Location: Battery					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Location 19, 21 Lamps			Route to Batter Boot RHS 18/21			Fusebox Lo		1		
Choose nower	source carefull	v. On cars	with power man	agement (ID	by battery conditi	on in display) do no	t ao ta	o the h	atterv
Fitting times, etc. No			man ponor man	iagomoni (i.b	by success of contains		, 40	. 90		
Oo not disconnect the l Vire before replacing b										
Viring: Fog & side light				g signal wire	from the TF2217LC	OGIC or TF221	18 Sma	rt7 byp	oass to	this wir
tolay will owner bour c	orac arra rog carp		, ,							
					y correct wire in le see SmartCAN Dat			1	2	3
Lights	Vehicle Wire C	oloure	Alternation	ve		Location	\neg	4	5	6
LH Flasher	Grey	olouis	Pin 2	VC		JL42/125	_	7	8	9
EIII I IUSIICI	Cicy		1 111 2			0L72/120				
Fog Light	Blue/red		Pin 8			21		10	11	12
Fog Light RH Flasher	Blue/red Blue		Pin 8 Pin 9			21		10	11	12
RH Flasher			1	above						
			Pin 9	above	21			13	11	12

Ryder Towing Equipment Ltd

Pin 2

Quality, Service, Innovation

7-Core Entry Poin	t	Longer 7	Core Cable	If T	Bypass Recomme F2302, see Smart0		Othe	r Rela	y Reco	omend	ed
19				TF2218/7SMARTLOGIC							
Automatic Trailer	Flasher Monitor	Reversing	g Sensor		Cut Out Switch,	etc.	Mfr's	Tow	ng Plu	g	
Find Constant Liv	re				Find Ignition-Sw	itched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Local	tion		Route to Batte	ery		Fusebox L	ocation	1			
19						Dash, R/H ((12)				
Choose po	wer source carefu	Ily. On cars	with power mai	nagement (ID	by battery condition	on in display) do no	t go t	o the b	attery.	
Fitting times, etc.	. Notes										
					unclip fusebox cove	er, + 3 screws	and ur	nclip to	p on b	oth side	es of
	s live point at the ci	• • • • •									
Power feed (30 am	p) to lighter socket	n/s rear fed	by red/blue wire.	Don't take off	local trim: very hard	to refit.					
											-
					fy correct wire in l			_			
Thes	e notes relate fittir	ng bypass r	elay. For TF2302	2 SmartCAN, s	see SmartCAN Dat	a		1	2	3	
Lights	Vehicle Wire	Colours	Alternat	ive	ı	Location		4	5	6	
LH Flasher	Black/white						•	7	8	9	
Fog Light	Grey/white							10	11	12	
RH Flasher	Black/green									\sqcup	
RH Side Light	Grey/red							13	14	15	
Brake Light	Red/black										
LH Side Light	Grey/black							16	17	18	
Reverse	Blue/red						•	19	20	21	

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Quality, Service, Innovation

Reverse

Not recorded

7-Core Entry Point		Longer 7	Core Cable	If T	Bypass Recommer F2302, see SmartC		Other	Rela	y Reco	omende
				3-way: S	side lights only					
Automatic Trailer Fl	asher Monitor	Reversing	Sensor		Cut Out Switch, e	etc.	Mfr's	Towi	ng Plu	g
					,					
Find Constant Live					Find Ignition-Swi	tched Live				
Colour:					Colour:					
Location:					Location:					
					Add Fuse:					
Add Fuse:					Add Fuse.					
Best Wiring Locatio	n		Route to Batter	rv		Fusebox L	ocation			
Fitting times, etc. N	lotes	•	•	,	by battery conditio		· •			
Bulb-failure monitor of										
Bypass: As indicated	above, to avoid o	overload, ma	Ifunction or CPU	damage						
					fy correct wire in lo see SmartCAN Data		_ =	1 4	2	3
Lights	Vehicle Wire (Colours	Alternati	ve	L	ocation		7	8	9
LH Flasher	Black/white		Plug: pos	sition 3			_ 7			
Fog Light	Grey/white		In boot lic	d loom		20		10	11	12
RH Flasher	Black/green		Plug: pos	sition 3			_			\vdash
RH Side Light	Grey/red		Plug: pos	sition 5				13	14	15
Brake Light	Red/black		Plug: pos	sition 6		6				
LH Side Light	Grey/black		Plug: pos	sition 5		5		16	17	49

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Quality, Service, Innovation

Reverse

7-Core Entry Point		Longer 7 C	Core Cable		Bypass Recommer F2302, see SmartC		Other	Rela	y Reco	omend	ed
				TF2218/7	7SMARTLOGIC						
Automatic Trailer Fla	sher Monitor	Reversing	Sensor		Cut Out Switch, e	tc	Mfr's	Towi	ng Plu	a	
	ioner monitor	Reversing	0011001		out out ownon, c		IIII S		ilg i iu	9	
Find Constant Live					Find Ignition-Swit	tched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	1		Route to Battery		1	Fusebox Lo	ocation				_
Choose power	r source carefull	y. On cars v	with power manage	ement (ID	by battery conditio	n in display)	do not	go to	the b	attery	
Fitting times, etc. No	otes										
Bulb-failure monitor or	n Stop and Tail										
Bypass: As indicated a	above, to avoid ov	verload, mal	function or CPU dar	nage							
Wire positions a	nd connection n	oints etc ar	e given. Use probe	to identify	y correct wire in lo	cation					
					ee SmartCAN Data			1	2	3	_
Lights	Vehicle Wire C	olours	Alternative		1.0	ocation	┑▋	4	5	6	
LH Flasher	Black/white	0.00.0	741011141170			oodiioii	┪	7	8	9	
Fog Light	Grey/white							10	11	12	
RH Flasher	Black/green										
RH Side Light	Grey/red							13	14	15	
Brake Light	Red/black							13	14	15	
I H Side Light	Grev/black						╸▮				

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Quality, Service, Innovation

Car Data Sheet Audi A8 All 2003 -

7-Core Entry Point		Longer 7	Core Cable		Bypass Recomme F2302, see SmartC		Othe	r Rela	y Reco	omeno	ed
21 Grommet				TF2218/7	7SMARTLOGIC						
Automatic Trailer F	lasher Monitor	Reversing	g Sensor		Cut Out Switch, e	etc.	Mfr's	Towi	ng Plu	a	
			,		,					<u> </u>	
Find Constant Live					Find Ignition-Swi	tched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Add Fuse.					Add I use.						
Best Wiring Location	on		Route to Battery			Fusebox L	ocation	1			
			LED module (by)								
Choose pow	er source careful	lv. On cars	with power manag	ement (ID	by battery condition	n in displav) do no	t ao ta	the b	atterv	
Fitting times, etc. N		,	g		.,		,	. 3		,	
Titting times, etc. i	10103										
			ire given. Use probe elay. For TF2302 Sn					1	2	3	
				iai toAit, 3	ce omartoart bate	·	_	4	5	6	
Lights	Vehicle Wire C	olours	Alternative		L	ocation	_	7	8	9	
LH Flasher	Purple/green							\vdash			_
Fog Light	White/brown							10	11	12	
RH Flasher	Blue/white							$\vdash\vdash\vdash$			
RH Side Light	Purple/black							13	14	15	
Brake Light	Black/blue										
Brake Light LH Side Light	Black/blue Black/red							16	17	18	

Quality, Service, Innovation

Car Data Sheet Audi Avant All 2005 -

ai Bata Giloot						7.4411 7.11 2000
7-Core Entry Point	Longer 7 (Core Cable		Bypass Recommer F2302, see SmartC		Other Relay Recomended
			TF2218/7	7SMARTLOGIC		
Automatic Trailer Flasher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's Towing Plug
Find Constant Live				Find Ignition-Swi	tched Live	
Colour:				Colour:		
Location: 21				Location:		
Add Fuse:				Add Fuse:		
Best Wiring Location		Route to Battery	,		Fusebox L	ocation
18, 21						
Choose power source carefu	lly. On cars	with power mana	gement (ID	by battery conditio	n in display) do not go to the battery.
Fitting times, etc. Notes						
Wiring: Brake & side lights share one work corrrectly.	wire. Connec	t red wire only fror	n relay to run	both circuits. Do no	ot connect th	in brown or black. All lamps will
Г						

Wire positions and connection points etc are given. Use probe to identify correct wire in location. These notes relate fitting bypass relay. For TF2302 SmartCAN, see SmartCAN Data

Lights	Vehicle Wire Colours	Alternative	Location
LH Flasher	Green/yellow		18
Fog Light	Grey/white		18 High multiblock
RH Flasher	Green/yellow		21
RH Side Light	Red/white		21
Brake Light	Red/white		18 Lamp
LH Side Light	Red/white		18 Lamp
Reverse	Blue		18 Lamp

	1	2	3	L
ı	4	5	6	
	7	8	9	
	10	11	12	
	13	14	15	
	16	17	18	
П	19	20	21	Γ
		•		

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Quality, Service, Innovation

Car Data Sheet Audi Q5 SUV 2009 -

7-Core Entry Point	Longer 7 Core Cable		Bypass Recommende F2302, see SmartCAN		Other Relay Recomended
	2m	TF2218/	7SMARTLOGIC		
Automatic Trailer Flasher Monitor	Reversing Sensor		Cut Out Switch, etc.	•	Mfr's Towing Plug
	Yes		On dash		
Find Constant Live			Find Ignition-Switch	ned Live	
Colour:			Colour:		
Location: Fusebox			Location:		
Add Fuse:			Add Fuse:		
			1		
Best Wiring Location	Route to Batte	ery	F	usebox Lo	cation
21	Boot		2	1	

Choose power source carefully. On cars with power management (ID by battery condition in display) do not go to the battery.

Fitting times, etc. Notes

Detect wires with tailgate closed Tailgate lights operate when gate is locked.

In fusebox (boot):

Black block - LH lights in tailgate

Brown Block - RH lights in tailgate.

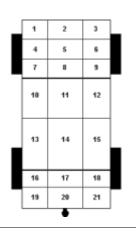
Black plug for bumper lights is NOT in fusebox

Tailgate: Wire from both tailgate lights AND non-tailgate (e.g. bumper) lights. Use TV2601 Twin signal input bridge.

Wire positions and connection points etc are given. Use probe to identify correct wire in location.

These notes relate fitting bypass relay. For TF2302 SmartCAN, see SmartCAN Data

Lights	Vehicle Wire Colours	Alternative	Location
LH Flasher	Black/blue		Fusebox black plug
Fog Light	Grey/white		21
RH Flasher	Green/black		Fusebox, brown plug
RH Side Light	Grey/black	Do not connect	Fusebox, brown plug
Brake Light	Grey/white	Grey/red	Fusebox, brown plug
LH Side Light		Do not connect	Fusebox, brown plug
Reverse	White/black		21 bumper lights plug



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Quality, Service, Innovation

Car Data Sheet Audi Q7 AWD 2006 -

7-Core Entry Point				Bypass Recomme -2302, see Smart0		Other Relay Recomended
	2m		TF2218/7	'SMARTLOGIC		CANbus Kit
Automatic Trailer Flasher Monitor	J			Cut Out Switch,	Mfr's Towing Plug	
	Yes			On dash		
Find Constant Live				Find Ignition-Sw	itched Live	
Colour:				Colour:		
Location: 21				Location:		
Add Fuse:				Add Fuse:		
Best Wiring Location	Rou	ute to Battery			Fusebox L	ocation
19/21						
Choose power source carefu	lly. On cars with	power manag	jement (ID I	by battery condition	on in display	y) do not go to the battery.
Fitting times, etc. Notes						
Fault condition: Main brake lights flash	n if you connect tra	ailer brakes dire	ectly. Use a	bypass on brake c	rcuit at least	•
Wiring: Lower brake lights stop working	g when boot is clo	osed. Wire to h	igh level			

Wire positions and connection points etc are given. Use probe to identify correct wire in location.

These notes relate fitting bypass relay. For TF2302 SmartCAN, see SmartCAN Data

Fog light connection at 16/19 on pillar

Lights	Vehicle Wire Colours	Alternative	Location
LH Flasher	Red/black	Blue/red	19
Fog Light	White/black	White/green	16-17 under headlining
RH Flasher	Black/green	Blue/red	19
RH Side Light	Grey/red	Grey/yellow	16-17 under headlining
Brake Light	Red/black	Black/green	19
LH Side Light	Grey/black	Grey/green	16-17 under headlining
Reverse	Red/gold		21

1	2	3	L
4	5	6	
7	8	9	
10	11	12	
13	14	15	
16	17	18	ı
19	20	21	Γ
	•		

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Quality, Service, Innovation

Black/blue

Reverse

a. Data Onoo							_		~II
7-Core Entry Point	I	∟onger 7 C	Core Cable	If T	Bypass Recomn F2302, see Smar		Other Rela	ıy Reco	omende
				TF2218/	7SMARTLOGIC				
Automatic Trailer FI	asher Monitor	Reversing	Sensor		Cut Out Switch	, etc.	Mfr's Towi	ing Plu	ıg
Find Constant Live					Find Ignition-S	witched Live			
Colour:					Colour:				
Location:					Location:				
Add Fuse:					Add Fuse:				
Best Wiring Locatio	n		Route to Batter	v		Fusebox L	ocation		
			Boot	•					
Choose power	er source carefully	. On cars v	with power man	agement (ID	by battery condi	tion in display	/) do not go t	o the b	attery.
Fitting times, etc. N	iotes								
Wiring: Brake & side work corrrectly.	lights share one wir	e. Connect	t red wire only fro	m relay to ru	n both circuits. Do	not connect th	nin brown or bl	ack. Al	l lamps
Wiring: Fog & side lig Relay will switch both				g signal wire	from the TF2217L	OGIC or TF22	:18 Smart7 by	cass to	this wi
	and connection po						1	2	3
Lights	Vehicle Wire Co	lours	Alternativ	/e		Location	7	5	6
LH Flasher	Blue/green								-
Fog Light	Green/red		Green/yel	low			10	11	12
RH Flasher	Blue/brown								\vdash
RH Side Light			Do not co	nnect			13	14	15
Brake Light	Grey/yellow		Grey/purp	ole					
LH Side Light			Do not co	nnect			16	17	48

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Black/purple

Quality, Service, Innovation

7-Core Entry Point		Longer 7 (Core Cable		Bypass Recomme F2302, see Smart0		Othe	r Rela	y Reco	omeno	led
19				1-way							
Automatic Trailer F	lasher Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	q	
		3			,				<u> </u>	<u> </u>	
Find Constant Live		-			Find Ignition-Sw	itched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	on		Route to Battery			Fusebox Loc	cation	1			
Choose power	er source careful	ly. On cars	with power mana	gement (ID	by battery condition	on in display)	do no	t go t	o the b	attery	•
Fitting times, etc. N	lotes										
					y correct wire in losee SmartCAN Data			1	2	3	
Lights	Vehicle Wire C	olours	Alternative)	L	_ocation		7	8	9	
LH Flasher	Black/white					19	_	Ė	-	-	•
Fog Light	Grey/white					19		10	11	12	
RH Flasher	Black/green					21		\vdash			
RH Side Light	Grey/red					21		13	14	15	
Brake Light	Red/black		Bypass			19,22					
LH Side Light	Grey/black					19		16	17	18	
Reverse								19	20	21	

Quality, Service, Innovation

LH Side Light

Reverse

Yellow/black

Black/purple

ai Data Silee	: L					DIVIVY 3	Jei	162	∟Sla	16 ZU	, 10
7-Core Entry Point		Longer 7 (Core Cable		Bypass Recommer F2302, see SmartC		Other	Rela	y Reco	mende	∌d
19/21 Grommets rea	r panel			TF2302	SmartCAN		TF221	18/7SI	MARTL	OGIC	
Automatic Trailer F	asher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's	Towi	ng Plu	g	
Find Constant Live					Find Ignition-Swi	tched Live					
Colour:					Colour:						
Location: Battery					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	n		Route to Batter	у		Fusebox Lo	cation				
18 over wheel arch			Boot								
Choose power	er source carefu	lly. On cars	with power man	agement (ID	by battery conditio	n in display)	do not	go to	the ba	attery.	
Fitting times, etc. N	lotes										
Side lights on brake	wire go off when I	poot is closed	1.								
					y correct wire in lo see SmartCAN Data			1 4	2	3	•
Lights	Vehicle Wire	Colours	Alternativ	ve	L	ocation		7	8	9	
LH Flasher	Blue/yellow					19	_	-			•
Fog Light	White/yellow					18		10	11	12	
RH Flasher	Blue/brown					18		_			
RH Side Light	Yellow/purple		To LED s	trip		18		13	14	15	
Brake Light	Black/blue					18					

To LED strip

19

18

Ryder Towing Equipment Ltd Quality, Service, Innovation

LH Side Light

Reverse

Grey/purple

Black/purple

ar Data Sheet					BM	W 3 Seri	ies E	90 8	salo	on 20
7-Core Entry Point		Longer 7	Core Cable		Bypass Recomme F2302, see Smart(Othe	r Rela	y Reco	omende
19/21 Grommet				TF2302	SmartCAN		TF22	:18/7S	MARTI	LOGIC
Automatic Trailer Flas	her Monitor	Reversing	y Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	g
Find Constant Live					Find Ignition-Sw	itched Live				
Colour:					Colour:					
Location: Fusebox, r	ear				Location:					
Add Fuse:					Add Fuse:					
Best Wiring Location			Route to Batte	ery		Fusebox L	ocation	1		
18 over wheel arch			Boot							
Choose power :	source carefu	Illy. On cars	with power mai	nagement (ID	by battery conditi	on in display	/) do no	t go to	the b	attery.
Fitting times, etc. Not	es									
Fog and reverse wire co		different at lo	om over RH whe	eel arch (18) th	an at lamps.					
Wire positions and These not					y correct wire in l see SmartCAN Dat			1	2	3
Lights	Vehicle Wire	Colours	Alternati	ive	I	Location		7	5	
LH Flasher	Blue/yellow		Blue/gree	en?		19	•	<u> </u>	-	-
Fog Light	White/yellow		Red/gree	en		18		10	11	12
RH Flasher	Blue/brown					18				\square
RH Side Light	Grey/yellow					18		13	14	15
Brake Light	Blue/black					18				

			_
7	8	9	
10	11	12	
13	14	15	
16	17	18	
19	20	21	Γ
	•		
	13	10 11 13 14 16 17 19 20	10 11 12 13 14 15 16 17 18 19 20 21

19

18

Ryder Towing Equipment Ltd

Blue/yellow

Quality, Service, Innovation

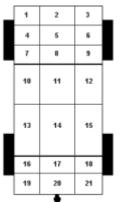
7-Core Entry Point		Longer 7	Core Cable	If T	Bypass Recommer F2302, see SmartC		Othe	r Rela	y Reco	omen	bek
				TF2218/	7SMARTLOGIC						
Automatic Trailer F	lasher Monitor	Reversing	Sensor		Cut Out Switch, e	etc.	Mfr's	Towi	ng Plu	a	
	idone monitor	reversing	0011001		out out ownon, o				ng r iu	ອ	
Find Constant Live					Find Ignition-Swi	tchod Livo					
						toneu Live					
Colour:					Colour:						
Location: Battery					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	n .		Route to Batter	rv		Fusebox Lo	ncation	1			
Dest Willing Location			Boot	· y		T USCOOK EX	Journol				
Chaosa now	or source carefully	v On care	with nower man	agoment (ID	by battery condition	n in display	do no	t ao t	a tha h	attory	
		y. On cars	with power man	iagement (ib	by battery condition	iii iii uispiay	do no	t go ti	J tile D	allei y	-
Fitting times, etc. N	votes										
					fy correct wire in lo see SmartCAN Data			1	2	3]
Illese	notes relate nitting	i bypass it	siay. FOI 1F2302	Siliai toan, s	See Silial CAN Data	•	_ [4	5	6	1
Lights	Vehicle Wire Co	olours	Alternati	ve	L	ocation		7	8	9	ı
LH Flasher	Blue/green				1	19 lamp	_				Г.
Fog Light	Yellow/white		Red/gree	en		18		10	11	12	
RH Flasher	Blue/brown					21		$\vdash \vdash$			-
RH Side Light	Grey/yellow					21		13	14	15	
Brake Light	Black/blue										
LH Side Light	Grey/purple				1	19 lamp		16	17	18	ł
Reverse	Black/pink					18	•	49	20	24	

Quality, Service, Innovation

BMW 3 Series Compact (E46) All 2002 -

di Data Office					DIVITY 3	Oct ics Oc	iiipa	Jt (L	.40, 1	711 2	002
7-Core Entry Point		Longer 7 C	Core Cable		Bypass Recom F2302, see Sma		Othe	r Rela	ay Reco	omend	led
				TF2218/7	7SMARTLOGIC						
Automatic Trailer Fl	asher Monitor	Reversing	Sensor		Cut Out Switch	h, etc.	Mfr's	Tow	ing Plu	ıg	
										<u>-</u>	
Find Constant Live					Find Ignition-	Switched Live	·				
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	n		Route to Batter	у		Fusebox L	ocation	1			
			Boot								
Choose power	er source carefu	lly. On cars v	with power man	agement (ID	by battery cond	lition in display) do no	t go t	o the b	attery.	
Fitting times, etc. N	lotes										
Wiring: Brake & side work corrrectly.	lights share one v	vire. Connect	red wire only fro	m relay to rur	both circuits. D	o not connect th	in brow	n or bl	ack. All	I lamps	s will
	and connection notes relate fittin							1	2	3	
Lights	Vehicle Wire (Colours	Alternativ	/e		Location		7	5	6	
LH Flasher	Blue/green					19		Ļ'	-	+	
Fog Light	Yellow/black					21		10	11	12	
DU Fleeber	Pluo/brown					21					

Lights	Vehicle Wire Colours	Alternative	Location
LH Flasher	Blue/green		19
Fog Light	Yellow/black		21
RH Flasher	Blue/brown		21
RH Side Light	Grey/yellow		21
Brake Light	Black/green		19 lamp
LH Side Light	Grey/purple		19 lamp
Reverse			



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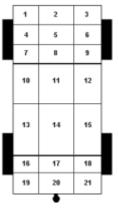
Quality, Service, Innovation

BMW 3 Series E46 Saloon etc Late 2001 -

7-Core Entry Point	Longer 7 C	ore Cable	Bypass Recomr If TF2302, see Sma		Other Relay Recomended
21 Grommet by battery			F2218/7SMARTLOGIC		
Automatic Trailer Flasher Monitor	Reversing	Sensor	Cut Out Switch	n, etc.	Mfr's Towing Plug
Find Constant Live			Find Ignition-S	witched Live	
Colour:			Colour: C	olour	
Location:			Location: 2	1	
Add Fuse:			Add Fuse:		
Best Wiring Location		Route to Battery		Fusebox	Location
Choose power source carefu	illy. On cars v	with power managem	ent (ID by battery cond	ition in displa	y) do not go to the battery.
Fitting times, etc. Notes					
After ign on, car's check system may l	briefly activate	buzzer.			
Reversing sensors: cut out button on	gear lever like	ly.			
Modulated supply: there are 6 x 21 war pulsed current. Those in the lid become					de lights (=5W) supplied by a
Foglights: If you do not have a TF2216 signal also behind the back seat, RHS			a plain sidelight signal fro	m the number	plate light.Number plate light
Number plate light signal also behind	the back seat,	RHS, and under RH k	ick plate .		

Wire positions and connection points etc are given. Use probe to identify correct wire in location. These notes relate fitting bypass relay. For TF2302 SmartCAN, see SmartCAN Data

Lights	Vehicle Wire Colours	Alternative	Location
LH Flasher	Blue/yellow	Blue/green?	
Fog Light	Yellow/white	At hinge boot	21
RH Flasher	Blue/brown		
RH Side Light	Black/blue	Grey/yellow	
Brake Light	Yellow/grey	Not at high level	
LH Side Light	Grey/purple		
Reverse	Blue/yellow		



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Quality, Service, Innovation

7-Core Entry Point		Longer 7	Core Cable	If ·	Bypass Recomm FP2302, see Smart		Other	r Rela	y Reco	mende
				TF2218	/7SMARTLOGIC					
Automatic Trailer F	lasher Monitor	Reversin	g Sensor		Cut Out Switch	etc	Mfr's	Towi	ng Plu	n
	addition monitor	TCVCI SIII	g ochsor		Out Out Owner	, 610.	Will 3	1011	ilg i iu	9
Find Constant Live					Find Ignition-S	witched Live				
						WITCHEG LIVE				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Location	on		Route to Battery	,		Fusebox L	ocation			
16			Boot RHS 18/21			- COOLON I				
Choose now	er source carefull	v On care	with power mana	nament (II) by battery condit	ion in display	do not	no to	the h	attory
Fitting times, etc. N	<u> </u>	y. On cars	s with power mane	igement (it	by battery contain	iioii iii dispiay	, 40 1101	go i	, the B	attery.
ritting times, etc. r	votes									
			are given. Use pro elay. For TF2302 \$					1	2	3
THESE	_				See SmartOAN Da		_	4	5	6
Lights	Vehicle Wire C	olours	Alternativ	е		Location	_	7	8	9
LH Flasher	Blue/green						_ 7			
Fog Light	Yellow/black					18		10	11	12
RH Flasher	Brown/blue					18				
RH Side Light	Grey/yellow							13	14	15
Brake Light	Yellow/black		Black/gree	n		16 or 20				
LH Side Light	Grey/purple							16	17	18

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Quality, Service, Innovation

BMW 3 Series Tourer Estate Late 1999 -

7-Core Entry Point		Longer 7 (Core Cable	If	Bypass Recomm TF2302, see Smar	Othe	r Rela	y Reco	omeno	led	
				TF2218	B/7SMARTLOGIC						
Automatic Trailer Fla	asher Monitor	Reversing	Sensor		Cut Out Switch	. etc.	Mfr's	Towi	ng Plu	a	
						,				3	
Find Constant Live					Find Ignition-S	witched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
7.du i usc.					7.00 1 000.						
Best Wiring Location	n		Route to Battery	,		Fusebox I	Location				
Fitting times, etc. No Wiring: use TF2217L0		signal wire	only								
oglights: TFC2 cuts	out both foglights v	without prol	olems.								
Reversing sensors: cu	ut out button on ge	ar lever like	ely. Older models ı	may have a	manual switch in the	ne boot					
					tify correct wire in			1	2	3	1
I nese n	otes relate fitting	bypass re	elay. For 1F2302 S	SmartCAN,	see SmartCAN Da	ata	[4	5	6	
Lights	Vehicle Wire Co	olours	Alternativ	е		Location		7	8	9	ı
LH Flasher	Blue/green							H			ſ
Fog Light	Yellow/black		See Note a	above				10	11	12	
RH Flasher	Brown/blue							\vdash			
RH Side Light	Grey/yellow							13	14	15	
Brake Light	Yellow/black		See Note a	above		15					
LH Side Light	Grey/purple							16	17	18	۱
Reverse	Blue/vellow		See Note :	ahove							

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7-Core Entry Poi	int	Longer 7	Core Cable	If	Bypass Recommon TF2302, see Sma	Othe	r Rela	y Reco	omend	led	
				TF221	8/7SMARTLOGIC						
Automatic Traile	r Flasher Monitor	Reversing	a Sensor		Cut Out Switc	h. etc.	Mfr's	s Towi	ng Plu	a	
			,			,				<u> </u>	
Find Constant Li	ive				Find Ignition-S	Switched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
, 1 430.					7.53 1 000.						
Best Wiring Loca	ation		Route to Battery			Fusebox I	_ocatior	า			
Fitting times, etc	c. Notes 17LOGIC, connect re	ed signal wire	e only								
Reversing sensor	s: cut out button on o	gear lever lik	ely. Older models m	nay have a	a manual switch in	the boot					
Foglights: TFC2 c	cuts out both foglights	s without pro	blems.								
	ns and connection se notes relate fittir							1	2	3	
Lights	Vehicle Wire	Colours	Alternative	1		Location		4	5		ı
LH Flasher	Blue/green							Ė	,	-	
Fog Light	Black/yellow		See Note a	bove		Battery		10	11	12	
RH Flasher	Brown/blue							<u> </u>		\vdash	
RH Side Ligh	t Grey/yellow							13	14	15	
Brake Light	Black/blue		Plug: position	on 6		21					
LH Side Light	t Grey/purple							16	17	18	
Daverse	Plus/vollow		Coo Noto o	hava							

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BMW 5 Series (E61) Tourer Estate July 2004 -

7-Core Entry Point		Longer 7	Core Cable	If 7	Bypass Recomme F2302, see SmartC	Other Relay Recomende				bet	
Rev Sensor gromme	t			TF2218	/7SMARTLOGIC						
Automatic Trailer F	lasher Monitor	Reversing	Sensor		Cut Out Switch, e	etc.	Mfr's	Towi	ing Plu	a	
			,						g	<u> </u>	
Find Constant Live					Find Ignition-Swi	tched Live					
Colour:					Colour:						
Location: Battery					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	on		Route to Batte	ery		Fusebox L	ocation.	1			
19/21			Boot								
Choose pow		y. On cars	with power ma	ınagement (ID	by battery condition	on in display	/) do no	t go t	o the b	attery	١.
					fy correct wire in lo see SmartCAN Data			1	2	3	L
Lights	Vehicle Wire C	olours	Alterna	tive	L	ocation		4	5	6	ı
LH Flasher	Blue/brown						_	<u> </u>	8	9	▛
Fog Light	Yellow/red							10	11	12	
RH Flasher	Blue/brown										
RH Side Light	White/brown							13	14	15	
Brake Light	White/brown					21					
LH Side Light								16	17	18	ł
Reverse							•	19	20	24	

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BMW 5 Series Saloon etc Spring 1997 -

7-Core Entry Point	ı	onger 7 C	Core Cable	If ·	Bypass Recomn F2302, see Smar		Other	Rela	y Reco	meno	led
				TF2218	/7SMARTLOGIC						
Automatic Trailer F	lasher Monitor F	Reversing	Sensor		Cut Out Switch, etc.			Towi	ng Plu	α	
		J				.,				.	
ind Constant Live					Find Ignition-S	witched Live					_
						WILCITED LIVE					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	on		Route to Battery	,		Fusebox Lo	ocation				
			Boot								
Choose pow	er source carefully	. On cars	with power mana	gement (IC	by battery condi	tion in display)	do not	go to	the b	attery	·.
Fitting times, etc. N	Notes										_
Reverse wire in esta	te: o/s top seat belt a	anchor									
Reversing sensors: o	cut out button on gea	ar lever like	ely.								
Vire to o/s through E	BMW grommet in cor	ner near b	attery								
Wire positions	and connection po	ints etc ar	e given. Use pro	be to ident	ify correct wire in	location.	-				1
	notes relate fitting							1	2	3	
Lights	Vehicle Wire Co	lours	Alternative	e		Location	┑▋	4	5	6	ı
LH Flasher	Blue/green						▍	7	8	9	F
Fog Light	Yellow/black							10	11	12	
RH Flasher	Blue/red										
RH Side Light	Grey/white		Grey/black	2001				13	14	15	
Brake Light	Black/blue								14	13	
LH Side Light	Grey/purple						▋	16	17	18	ı
Reverse	Blue/yellow				Es	state: see note		46	**	20	

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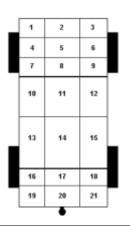
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BMW 5 Series Saloon etc Spring 2002 -2003

7-Core Entry Point Longer 7 Core Cal			Bypass Recommended If TF2302, see SmartCAN data			Other Relay Recomended
19/21 Grommet	N/A		TF2218/	7SMARTLOGIC		2006: Poss TF2218 or TF2217LOGIC
Automatic Trailer Flasher Monitor	Reversing	g Sensor		Cut Out Switch,	etc.	Mfr's Towing Plug
	N/A			Yes		18
Find Constant Live				Find Ignition-Sw	itched Live	
Colour:				Colour:		
Location: Fusebox, rear			Location:			
Add Fuse:				Add Fuse:		
Best Wiring Location		Route to Battery	/		Fusebox L	ocation.
_		Boot			12 Side pa	nel
Choose power source carefu	ılly. On cars	with power mana	agement (ID	by battery condition	on in display	y) do not go to the battery.
Fitting times, etc. Notes						
Modulated supply: fog & brake lights a use a TF2217LOGIC or a TF2218	side lights and rece	eive a pulsed	signal when sidelig	hts are on. B	rake relay chatters unless you	
Reversing sensors: cut out button on gear lever likely.						
Fault condition: when the rear light of	no working V	Vorke again whon o	luctor ic rofit	tod		

Wire positions and connection points etc are given. Use probe to identify correct wire in location. These notes relate fitting bypass relay. For TF2302 SmartCAN, see SmartCAN Data

Lights	Vehicle Wire Colours	Alternative	Location
LH Flasher	Blue/green		23
Fog Light	Yellow/black		21
RH Flasher	Blue/red		19
RH Side Light	Grey/white		21
Brake Light	Black/blue		21
LH Side Light	Grey/purple		19
Reverse	Blue/yellow		21



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BMW 5 Series(39) Tourer Estate 2002 - Spring 2004

7-Core Entry Point	C-Core Entry Point Longer 7 Co				Bypass Recommended If TF2302, see SmartCAN data				Other Relay Recomende			
				TF2218/7	SMARTLOGIC							
Automatic Trailer Fla	sher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's	Towi	ng Plu	a		
										·		
Find Constant Live					Find Ignition-Swit	ched Live						
Colour:					Colour:							
Location: 21					Location:							
Add Fuse:					Add Fuse:							
Best Wiring Location	1		Route to Battery			Fusebox L	ocation					
			Boot									
Choose power	r source careful	y. On cars v	vith power manage	ement (ID I	by battery condition	n in display) do not	go to	the b	attery.		
Fitting times, etc. No	otes											
	nd connection r											
					correct wire in lo	cation.	Г	1	2	1		
These no					y correct wire in loc ee SmartCAN Data	cation.		1	2	3		
These no		g bypass rel			ee SmartCAN Data	cation.		4	5	6		
	otes relate fitting	g bypass rel	lay. For TF2302 Sm		ee SmartCAN Data					3 6 9		
Lights	otes relate fitting	g bypass rel	lay. For TF2302 Sm		ee SmartCAN Data			4	5	6		
Lights LH Flasher	Vehicle Wire C	g bypass rel	lay. For TF2302 Sm		ee SmartCAN Data	ocation		7	5	6 9		
Lights LH Flasher Fog Light	Vehicle Wire C Blue/green Yellow/black	g bypass rel	lay. For TF2302 Sm		ee SmartCAN Data	ocation		7	5	6 9		
Lights LH Flasher Fog Light RH Flasher	Vehicle Wire C Blue/green Yellow/black Blue/red	g bypass rel	lay. For TF2302 Sm		ee SmartCAN Data	ocation		10	5 8 11	6 9		
Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire C Blue/green Yellow/black Blue/red Grey/white	g bypass rel	lay. For TF2302 Sm		ee SmartCAN Data	ocation		10	5 8 11	6 9		

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-Core Entry Point			Bypass Recommen F2302, see SmartC	Other Rel	ay Rec	omended			
1 Grommet				TF2218/	7SMARTLOGIC				
utomatic Trailer F	asher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's Tow	ing Plu	ıg
ind Constant Live					Find Ignition-Swit	ched Live			
					Colour:				
Colour:					Location:				
Location:					Add Fuse:				
Add Fuse:					Auu ruse.				
Best Wiring Location	on .		Route to Battery	v		Fusebox L	_ocation		
		y. On cars w	vith power mana	agement (ID	by battery condition	n in displa	y) do not go	to the b	attery.
Fitting times, etc. N	lotes				by battery condition				pattery.
Fitting times, etc. N	lotes	oints etc are	e given. Use pro	bbe to identif		cation.	1	2	attery.
Fitting times, etc. N	lotes	oints etc are j bypass rel	e given. Use pro	obe to identif SmartCAN, s	y correct wire in loc see SmartCAN Data	cation.	1 4	2 5	attery.
Wire positions	and connection ponotes relate fitting	oints etc are j bypass rel	e given. Use pro ay. For TF2302	obe to identif SmartCAN, s	y correct wire in loc see SmartCAN Data	cation.	1	2	attery.
Wire positions These	and connection protes relate fitting	oints etc are j bypass rel	e given. Use pro ay. For TF2302 Alternativ	obe to identif SmartCAN, s	y correct wire in loc see SmartCAN Data	cation.	1 4	2 5	3 6 9 12
Wire positions These	and connection ponotes relate fitting Vehicle Wire Constitution	oints etc are j bypass rel	e given. Use pro ay. For TF2302 Alternativ	obe to identif SmartCAN, s	y correct wire in loc see SmartCAN Data	cation.	1 4 7	2 5 8	3 6 9
Wire positions These Lights LH Flasher Fog Light	and connection protes relate fitting Vehicle Wire Connection Blue/green Yellow/black	oints etc are j bypass rel	e given. Use pro ay. For TF2302 Alternativ	obe to identif SmartCAN, s ⁄e	y correct wire in loc see SmartCAN Data	cation.	1 4 7	2 5 8	3 6 9
Wire positions These I Lights LH Flasher Fog Light RH Flasher	and connection protes relate fitting Vehicle Wire Construction Blue/green Yellow/black Blue/brown	oints etc are j bypass rel	e given. Use pro ay. For TF2302 Alternativ Bypass	obe to identif SmartCAN, s ⁄e	y correct wire in loc see SmartCAN Data	cation.	1 4 7 10	2 5 8	3 6 9
Wire positions These Lights LH Flasher Fog Light RH Flasher RH Side Light	and connection protes relate fitting Vehicle Wire Consultation Blue/green Yellow/black Blue/brown White/brown	oints etc are j bypass rel	e given. Use pro ay. For TF2302 Alternativ Bypass	obe to identif SmartCAN, s /e	y correct wire in loc see SmartCAN Data	cation.	1 4 7 10	2 5 8	3 6 9

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Reverse

Blue/yellow

BMW Compact Hatchback 2001 -

7-Core Entry Point		Longer 7	Core Cable	Bypass Recommended If TF2302, see SmartCAN data				Rela	y Reco	omeno
21				TF2218	7SMARTLOGIC					
Automatic Trailer Fl	asher Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	g
										<u>-</u>
ind Constant Live		1			Find Ignition-Sw	itched Live				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Locatio	n		Route to Battery	y		Fusebox L	_ocation			
9, 21 Lamps			Boot							
Fitting times, etc. N	lotes		· ·	agement (ID	by battery condition	on in display	y) do not	go to	the b	attery
Reverse sensor sour	ider under o/s das	h kick pane	1							
Wire positions a	and connection p	ooints etc a g bypass re	re given. Use pro elay. For TF2302	be to identi SmartCAN,	fy correct wire in l see SmartCAN Dat	ocation. a		1 4	2	3
Lights	Vehicle Wire C	olours	Alternativ	re e	1	_ocation		7	8	9
LH Flasher	Blue/green									-
Fog Light	Yellow/black							10	11	12
RH Flasher	Brown/blue									
RH Side Light	Grey/yellow							13	14	15
Brake Light	Yellow/black		19 Black/g	green		23				
LH Side Light	Grey/purple		Grey/pink					16	17	18

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Quality, Service, Innovation

Car Data Sheet BMW Mini All 2001 -

7-Core Entry Point		Longer 7 Core			Bypass Recomme F2302, see SmartC		Othe	r Rela	y Reco	omend	ed		
19/21			See note below										
Automatic Trailer Fl	automatic Trailer Flasher Monitor Reve				Cut Out Switch, etc.			Mfr's Towing Plug					
Find Constant Live					Find Ignition-Swi	tched Live							
Colour:					Colour:								
Location:					Location:								
Add Fuse:					Add Fuse:								
Best Wiring Location	on	Rou	ite to Battery			Fusebox L	ocation						
Choose power Fitting times, etc. No 2004 convertible model in the conve			power manage	ement (ID	by battery condition	on in display	y) do no	t go to	the b	attery.			
These	and connection pointes relate fitting	bypass relay.	ven. Use probe For TF2302 Sm	e to identify nartCAN, s	ee SmartCAN Data	ocation.		1 4	2	3	•		
Lights		olours			L	ocation	_ [7	8	9			
LH Flasher	Blue/green		Blue/grey?					10	11	12			
Fog Light	Yellow/brown		Yellow/black					10	11	12			
RH Flasher	Blue/brown							\vdash		$\vdash \vdash$			
RH Side Light	Grey/yellow							13	14	15	_		
			Blue/black?										
LH Side Light	Grey/purple							46	17	48			

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Reverse

Not recorded

Car Data Sheet BMW X1 SUV 2009 -

7-Core Entry Point		Longer 7	Core Cable	If 7	Bypass Recomm F2302, see Smart	Othe	r Rela	y Reco	omen	beb	
				TF2218	7SMARTLOGIC						
Automatic Trailer F	Flasher Monitor	Reversin	g Sensor		Cut Out Switch	, etc.	Mfr's	Towi	ing Plu	g	
			-							<u> </u>	
Find Constant Live					Find Ignition-Sv	witched Live					
Colour:					Colour:						
Location: Battery					Location:						
Add Fuse:					Add Fuse:						
Add Fdoc.					7.00.						
Best Wiring Location	on		Route to Battery	/		Fusebox L	ocation	1			
O l					h., b., 44		A 4		- 11 1-	-44	
Fitting times, etc.		ily. On cars	with power mana	agement (ID	by battery condit	ion in dispiay	/) ao no	t go t	o tne b	attery	' <u>-</u>
Wiring: Brake & side		wire Conne	ct red wire only from	m relay to ru	n both circuits. Do	not connect th	in hrow	n or bl	ack Al	l lamn	e will
work corrrectly.	riigiits share one t	wire. Corine	ct rea wire only nor	ii relay to ru	ii botii circuits. Do	not connect th	IIII DIOWI	101 01	ack. Al	ιιαπρ	S WIII
Wire positions	and connection	nainta ata 1	are given. Use pro	ho to identi	fy correct wire in	loostion					_
			elay. For TF2302 S					1	2	3	
Lights	Vehicle Wire	Colours	Alternativ	re		Location		4	5	6	ı
LH Flasher	Blue/green							7	8	9	₽
Fog Light	Yellow/white							10	11	12	
RH Flasher	Blue/brown										
RH Side Light			Do not cor	nect				13	14	15	
Brake Light	Black/blue							"	14	19	
LH Side Light			Do not cor	nect				16	17	40	ł
Reverse	Black/tan					21 lamp		19	20	24	=

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Quality, Service, Innovation

BMW X3 (E83) 4WD Spring 2004 -

7-Core Entry Poi	nt	Longer 7	Core Cable	If T	Bypass Recomme F2302, see SmartC		Othe	r Rela	y Reco	omen	bet
Grommet behind	bumper			TF2218/	7SMARTLOGIC						
Automatic Traile	r Flasher Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	ıa	
					On gear lever			<u></u>	<u> </u>		
Find Constant Li	ind Constant Live				Find Ignition-Swi	tched Live					
Colour:					Colour:						
Location: Batte	erv				Location:						
Add Fuse:	.,				Add Fuse:						
Best Wiring Loca	ation		Route to Battery	у		Fusebox L	ocation	l			
21			Boot								
Choose po	ower source careful	lly. On cars	with power mana	agement (ID	by battery condition	│ on in display) do no	t go to	the b	attery	 /.
Fitting times, etc	c. Notes										
	ide lights share one v	vire. Connec	ct red wire only from	m relay to rui	n both circuits. Do n	ot connect thi	in browr	or bla	ack. All	l lamp	s will
Wiring: 2008+ In s	some vehicles, conne	ect to the sid	e lamp wires								
	ns and connection se notes relate fittin							1 4	2	3	
Lights	Vehicle Wire 0	Colours	Alternativ	re e	L	ocation		7	8	-	ł
LH Flasher	Blue/green					20		\vdash	•	,	•
Fog Light	Yellow/black					18		10	11	12	
RH Flasher	Blue/brown							\vdash		-	
RH Side Ligh	RH Side Light Grey/yellow Do not co			nnect	nect				14	15	
Brake Light					21						
LH Side Light	t Grey/purple		Do not cor	nnect				16	17	18	ı
Reverse Blue/yellow						21	_	40	24	24	_

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Sar Data Sneet						BIVIVY X5 4VVD 2001 -
7-Core Entry Point	Longer	7 Core Cable		Bypass Recomme F2302, see Smart(Other Relay Recomended
19/21 Grommet			TF2302 S	SmartCAN		TF2218/7SMARTLOGIC
Automatic Trailer Flashe	r Monitor Reversi	ng Sensor		Cut Out Switch,	etc.	Mfr's Towing Plug
				,		
Find Constant Live	1			Find Ignition-Sw	itched Live	
Colour:				Colour:		
Location: Fusebox, real				Location:		
Add Fuse:				Add Fuse:		
Best Wiring Location		Route to Batter	ry		Fusebox L	ocation
					Boot	
Choose power so	urce carefully. On car	s with power man	nagement (ID	by battery condition	on in display) do not go to the battery.
Fitting times, etc. Notes						
Reverse sensor: may rese	t reverse sensor to acc	cept towbar. Switch	on and off afte	er fitting. (May not)		
Fault condition: tick when	some lights are on, cau	used by vehicle test	t pulse. Ignore	Soundproof relay	if necessary.	
	onnection points etc relate fitting bypass					1 2 3
Lights Ve	hicle Wire Colours	Alternati	ve	ı	_ocation	4 5 6

Lights	Vehicle Wire Colours	Alternative	Location
LH Flasher	Blue/green		20
Fog Light	Yellow/black		20
RH Flasher	Blue/brown		21
RH Side Light	Grey/white		21
Brake Light	Black/blue		21
LH Side Light	Grey/purple		
Reverse	Blue/yellow		21

	1	2	3	L
	4	5	6	
	7	8	9	
	10	11	12	
	13	14	15	
	16	17	18	ı
_	19	20	21	Γ
		•		

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7-0	Core Entry Point		Longer 7 (Core Cable	Bypass Recommended If TF2302, see SmartCAN data Other Relay Recom					omeno	ded	
					TF2218/7	'SMARTLOGIC						
Au	tomatic Trailer Flas	sher Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	g	
Fin	nd Constant Live					Find Ignition-Swi	itched Live					
	Colour:					Colour:						
L	ocation: 18					Location:						
Α	.dd Fuse: 78 (20am	0)				Add Fuse:						
Ве	st Wiring Location			Route to Battery			Fusebox Lo	cation)			
_	Loom			,			Boot					
	Choose power	source careful	y. On cars	with power manag	ement (ID	by battery condition	on in display)	do no	t go t	o the b	attery	.
Fit	tting times, etc. No	tes										
Re	verse sensor: may r	eset reverse ser	sor to acce	pt towbar. Switch or	and off afte	er fitting. (May not)						
BM	IW diesels:low batte	ry can cause a t	ck in the by	pass relay. Charge	the battery	to cure.						
Lat	tching: if trailer brake	e lights latch on,	use relay's r	everse circuit for bra	akes							
	Wire positions ar	nd connection p	oints etc a	re given. Use prob	e to identif	y correct wire in lo	cation.					1
	These no	tes relate fitting	g bypass re	elay. For TF2302 Sr	nartCAN, s	ee SmartCAN Data	a		1	2	3	•
	Lights	Vehicle Wire C	olours	Alternative		L	ocation	7	4	5	6	ı
	LH Flasher	Blue/green					18	_	7	8	9	
	Fog Light	Yellow/black					18		10	11	12	
	RH Flasher	Blue/brown					18					
	RH Side Light	Grey/white					18		13	14	15	
	Brake Light	Blue/black		Yellow/black	(18					
	LH Side Light	Grey/purple					18		16	17	18	1
	Reverse	White/yellow					18		40		24	_

Ryder Towing Equipment Ltd Quality, Service, Innovation

7-Core Entry Point		Core Cable	Bypass Recommended If TF2302, see SmartCAN data			Other Relay Recomended				bet	
			TF2218/7SMARTLOGIC			OGIC TF2302 Sr		02 Sm	nartCA	N serie	es
Automatic Trailer F	Flasher Monitor	Reversing	Sensor		Cut Out Switch, etc.			Towi	ng Plu	ıg	
Find Constant Live)				Find Ignition-S	witched Live	I .				
Colour:					Colour:						
Location: Fusebo	n y				Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	on		Route to Battery			Fusebox Loc	cation				
18 Loom						Boot					
Choose pow	ver source carefu	lly. On cars	with power manage	ement (ID I	by battery condi	tion in display)	do not	go to	the b	attery	 /.
Fitting times, etc.	Notes			<u> </u>							
BMW diesels:low ba		tick in the by	pass relay. Charge t	the battery	to cure.						
Latching: if trailer bra	ake lights latch on	use relay's r	everse circuit for bra	akes							
Reverse sensor: ma	y reset reverse se	nsor to acce	pt towbar. Switch on	and off afte	er fitting. (May no	it)					
Wire positions	and connection	noints etc a	re given. Use probe	to identif	v correct wire in	location					
			elay. For TF2302 Sn					1	2	3	_
Lights	Vehicle Wire	Colours	Alternative			Location	7 I	4	5	6	
LH Flasher	Blue/green	Joiours	Alternative			18	┫	7	8	9	
Fog Light	Yellow/black		Black/white			18		10	11	12	
RH Flasher	Blue/black		Diagra Willo			18	+				
RH Side Light	Grey/white					18	1				
Brake Light	Blue/black		Yellow/black		18 (C	heck correct wire)	13	14	15	
LH Side Light	Grey/purple		. ccblack	=	(0)	18		4-			I
Reverse	White/vellow					18		16	17	18	

Quality, Service, Innovation

Car Data Sheet Cadillac All 2000 -

		Longer 7 Co	re Cable	Bypass Recommended If TF2302, see SmartCAN data			Other	Rela	y Reco	mende
Drill in wheel well		N/A		None						
Itomatic Trailer F	lasher Monitor	Reversing S	ensor		Cut Out Switch, e	tc.	Mfr's	Towir	ng Plu	g
nd Constant Live					Find Ignition-Swit	ched Live	,			
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
est Wiring Location	on	F	loute to Battery			Fusebox L	_ocation			
/21										
Choose pow		ly. On cars w	ith power manag	ement (ID	by battery conditio	n in display	y) do not	go to	the b	attery.
Wire positions	and connection	into ata ava	airan Haa naah	o to idontif		-ation				
					y correct wire in lo		_	1	2	3
These		g bypass rela			ee SmartCAN Data		_ 	4	5	6
	Vehicle Wire C	g bypass rela	y. For TF2302 Sn		ee SmartCAN Data			-		
These Lights LH Flasher	notes relate fittin	g bypass rela	y. For TF2302 Sn		ee SmartCAN Data	ocation		4	5	6
These	Vehicle Wire C	g bypass rela	y. For TF2302 Sn Alternative Behind trim		ee SmartCAN Data	ocation 23		7	5	6 9
Lights LH Flasher Fog Light	Vehicle Wire C Light blue Red	g bypass rela	y. For TF2302 Sn Alternative Behind trim Behind trim		ee SmartCAN Data	cocation 23 19		10	5 8 11	6 9
These Lights LH Flasher Fog Light RH Flasher	Vehicle Wire C Light blue Red Dark blue	g bypass rela	Alternative Behind trim Behind trim Behind trim		ee SmartCAN Data	23 19 21		7	5	6 9
Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire C Light blue Red Dark blue Violet	g bypass rela	Alternative Behind trim Behind trim Behind trim Behind trim Behind trim		ee SmartCAN Data	23 19 21 21		10	5 8 11	6 9

Quality, Service, Innovation

		Longer 7 Core Cable		If 7	Bypass Recommended If TF2302, see SmartCAN data			ay Reco	omende
entre chassis meml	ber			None					
utomatic Trailer FI	asher Monitor I	Reversing	Sensor		Cut Out Switch, etc		Mfr's Tow	ing Plu	g
ind Constant Live					Find Ignition-Switch	ned Live			
Colour:					Colour:				
Location:					Location:				
Add Fuse:					Add Fuse:				
est Wiring Locatio	ın		Route to Battery	,	F	usebox L	ocation		
Inder carpet	<u> </u>		Troute to Buttery	<u>/</u>		USCHOX E	Journoll		
Choose now	er source carefully	On cars v	with power mana	agement (ID	by battery condition	in display	do not ao t	o the h	attery.
		. On cars v	with power mana	agement (ID	by battery condition	in display) do not go t	o the b	attery.
Choose power		. On cars v	with power mana	agement (ID	by battery condition	in display) do not go t	to the b	attery.
		. On cars v	with power mana	agement (ID	by battery condition	in display) do not go t	the b	attery.
Fitting times, etc. N	lotes) do not go t	o the b	attery.
Fitting times, etc. N	lotes	oints etc ar	e given. Use pro	be to identi	fy correct wire in loca) do not go t	to the b	attery.
Wire positions	and connection po	oints etc ar bypass rel	e given. Use pro lay. For TF2302 \$	be to identi SmartCAN,	fy correct wire in loca see SmartCAN Data	ition.			
Wire positions These	and connection ponotes relate fitting Vehicle Wire Co	oints etc ar bypass rel	e given. Use pro	be to identi SmartCAN,	fy correct wire in loca see SmartCAN Data		1	2	
Wire positions	and connection po	oints etc ar bypass rel	e given. Use pro lay. For TF2302 \$	be to identi SmartCAN,	fy correct wire in loca see SmartCAN Data	ition.	1 4 7	2 5 8	3 6 9
Wire positions These	and connection ponotes relate fitting Vehicle Wire Co	oints etc ar bypass rel	e given. Use pro lay. For TF2302 \$	be to identi SmartCAN,	fy correct wire in loca see SmartCAN Data	ition.	1 4	2 5	3 6
Wire positions These I Lights LH Flasher	and connection ponotes relate fitting Vehicle Wire Co	oints etc ar bypass rel	e given. Use pro lay. For TF2302 \$	be to identi SmartCAN,	fy correct wire in loca see SmartCAN Data	ition.	1 4 7	2 5 8	3 6 9
Wire positions These I Lights LH Flasher Fog Light	and connection ponotes relate fitting Vehicle Wire Co Yellow Green	oints etc ar bypass rel	e given. Use pro lay. For TF2302 \$	be to identi SmartCAN,	fy correct wire in loca see SmartCAN Data	ition.	1 4 7	2 5 8	3 6 9
Wire positions These I Lights LH Flasher Fog Light RH Flasher	and connection ponotes relate fitting Vehicle Wire Co Yellow Green Black	oints etc ar bypass rel	e given. Use pro lay. For TF2302 \$	be to identi SmartCAN,	fy correct wire in loca see SmartCAN Data	ition.	1 4 7 10	2 5 8	3 6 9
Wire positions These I Lights LH Flasher Fog Light RH Flasher RH Side Light	and connection ponotes relate fitting Vehicle Wire Co Yellow Green Black Dark green	oints etc ar bypass rel	e given. Use pro lay. For TF2302 \$	be to identi SmartCAN,	fy correct wire in loca see SmartCAN Data	ition.	1 4 7 10	2 5 8	3 6 9

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Quality, Service, Innovation

7-Core Entry Point	-Core Entry Point Long			Bypass Recommended If TF2302, see SmartCAN data			Other	Rela	y Reco	mended
				None			TF1152			
Automatic Trailer F	lasher Monitor	Reversing \$	Sensor		Cut Out Switch, e	tc.	Mfr's	Towi	na Plu	a
		3				<u> </u>			<u>J</u>	<u>, </u>
Find Constant Live		1			Find Ignition-Swi	ched Live				
Colour:					Colour:					
Location: Battery					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Location	on	1	Route to Batter	у		Fusebox L	ocation			
19 Lamp		,	Along chassis -	protect with co	onvoluted tubing					
Choose power Fitting times, etc. N		ly. On cars w	rith power man	agement (ID	by battery condition	n in display) do not	go to	the b	attery.
	and connection p		e given. Use pro	obe to identif	ov correct wire in le				2	3
rnese .	notes relate fittin	g bypass rela	ay. For TF2302		see SmartCAN Data			1		
Lights	Vehicle Wire C		Alternati	SmartCAN, s	see SmartCAN Data		╗┋	4	5	6
				SmartCAN, s	see SmartCAN Data				5	6
Lights	Vehicle Wire C			SmartCAN, s	see SmartCAN Data	ocation		4		6
Lights LH Flasher	Vehicle Wire C			SmartCAN, s	see SmartCAN Data	ocation 19		7	8	9
Lights LH Flasher Fog Light	Vehicle Wire C Yellow Brown			SmartCAN, s	see SmartCAN Data	ocation 19 19		7	8	9
Lights LH Flasher Fog Light RH Flasher	Vehicle Wire C Yellow Brown Yellow			SmartCAN, s	see SmartCAN Data	19 19 19		7 10	8 11	9
Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire C Yellow Brown Yellow Blue			SmartCAN, s	see SmartCAN Data	19 19 19 19		7 10	8 11	9

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7-Core Entry Point	Core Cable	Bypass Recommended If TF2302, see SmartCAN data			Othe	r Rela	y Reco	omen	ded		
				TF2218/	7SMARTLOGIC						
Automatic Trailer F	lasher Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	a	
	addid memer	Tro voroning			out out outlon,					3	
Find Constant Live					Find Ignition-Swi	tched Live					
					_	iciica Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	nn		Route to Battery			Fusebox Lo	cation				
21 lamp			Boot			. doosox zo	oution				
Choose now	er source careful	v On cars v	with nower manage	nement (ID	by battery condition	n in disnlav)	do no	t ao ta	the h	atterv	,
		y. On cars	with power mana,	gement (ib	by battery condition	ni ili dispiay)	40 110	. go t	, the b	atter y	
Fitting times, etc. N	lotes										
	and connection p			e to identi	fy correct wire in Id	cation.		1	2	3]
These	notes relate ritting		IOV. FOR TERRORS C	martCAN.							
		, D) Puoo 10	lay. For TF2302 S	martCAN,	see SmartCAN Data		_ [4	5	6	1
Lights	Vehicle Wire C		Alternative		see SmartCAN Data			4	5	6	
Lights LH Flasher	Vehicle Wire C				see SmartCAN Data	a				6	
					see SmartCAN Data	ocation				6 9	
LH Flasher	White/green				see SmartCAN Data	ocation 19 lamp		7	8	6 9 12	
LH Flasher Fog Light	White/green White/orange				see SmartCAN Data	ocation 19 lamp		7	8	6 9 12	
LH Flasher Fog Light RH Flasher	White/green White/orange White/yellow				see SmartCAN Data	ocation 19 lamp 19 lamp 21		10	11		
LH Flasher Fog Light RH Flasher RH Side Light	White/green White/orange White/yellow White/purple				See SmartCAN Data	cocation 19 lamp 19 lamp 21		10	11		

Quality, Service, Innovation

Chrysler Cherokee Jeep 4WD 1994 -2000

7-Core Entry Point	Longer 7 Core Cable		Bypass Recommended If TF2302, see SmartCAN data					menc	led
		None							
Automatic Trailer Flasher Monitor	Reversing Sensor	C	cut Out Switch, et	C.	Mtr's	Iowii	ng Plu	9	
Find Constant Live		F	ind Ignition-Swite	ched Live					
Colour:			Colour:						
Location:			Location:						
Add Fuse:			Add Fuse:						
7100 1 000.			7.44 . 455.						
Best Wiring Location	Route to B	attery		Fusebox Lo	cation				
19 Multiblock									
Choose power source carefull	y. On cars with power	management (ID by	battery condition	in display)	do not	go to	the b	attery	
Fitting times, etc. Notes	•			,					
- mang amasa, atau masa									
Wire positions and connection p These notes relate fitting	oints etc are given. Us	se probe to identify o	correct wire in loc	ation.		1	2	3	
These notes relate fitting	g bypass relay. For Tr	2302 Siliai toAit, see	Siliai to Ait Data		, i	4	5	6	
Lights Vehicle Wire C	olours Alte	rnative	Lo	cation		7	8	9	
LH Flasher Light green	Mult	iblock				$\overline{}$			
Fog Light Brown/white	Mult	iblock: green/black				10	11	12	
RH Flasher Light brown									
RH Side Light Blue/red						13	14	15	
Brake Light White/brown									-
						- 1			
LH Side Light Blue/red					▋	16	17	18	

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Quality, Service, Innovation

LH Side Light

Reverse

Pink/red

White/grey

sar Data Sneet			Chrysier Cherokee Jeep 4WD 200						
7-Core Entry Point	Longer	7 Core Cable		ecommended e SmartCAN data	Other Relay Recomend				
	2m								
Automatic Trailer Flashe	er Monitor Reversi	ng Sensor	Cut Out	Switch, etc.	Mfr's To	wing Plu	g		
Find Constant Live			Find Ign	ition-Switched Live					
Colour:			Col	our: Grey/black					
Location:			Loca	tion: 21					
Add Fuse:			Add F	use:					
Best Wiring Location		Route to Battery		Fusebox L	Location				
21		Under bonnet 1							
Choose power so	ource carefully. On car	s with power manag	ement (ID by battery	condition in display	y) do not go	o to the b	attery.		
Fitting times, etc. Notes	<u> </u>								
Grommet behing black tra	ay at glove box								
	connection points etc s relate fitting bypass						3		
Lights Ve	ehicle Wire Colours	Alternative		Location			9		
LH Flasher W	hite/green			19	-		, •		
Fog Light W	hite/orange	1 of 3		21	1	0 11	12		
RH Flasher W	hite/orange	1 of 3		21					
RH Side Light W	hite/orange	1 of 3		21	1	3 14	15		
Brake Light W	hito/brown			21					

	4	5	6	
_ [7	8	9	
	10	11	12	
	13	14	15	
	16	17	18	ı
	19	20	21	Γ
		•		

21

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Quality, Service, Innovation

Reverse

Chrysler Cherokee Jeep 4WD Apr 2002 -

7-Core Entry Point		Longer 7 Core Cab	le	Bypass Recommon If TF2302, see Smart		Other	Rela	y Reco	omend
Mfr. Grommet				me fitters use 7-way 2217LOGIC/2218					
Automatic Trailer Fl	asher Monitor	Reversing Sensor		Cut Out Switch,	etc.	Mfr's T	owi	ng Plu	g
ind Constant Live				Find Ignition-Sw	itched Live				
Colour:				Colour:					
Location: 4				Location:					
Add Fuse:				Add Fuse:					
Best Wiring Locatio	on	Route to	o Battery		Fusebox L	_ocation			
9 Multiblock									
Choose power	er source carefull	y. On cars with pow	ver managemer	nt (ID by battery conditi	on in display	y) do not (go to	the b	attery.
Fitting times, etc. N	lotes								
lasher unit live red/\	white								
				dentify correct wire in I AN, see SmartCAN Dat			1 4	2	3
Lights	Vehicle Wire C	olours A	Iternative		Location	▋	7	8	-
LH Flasher	Green/red						•		\vdash
Fog Light	Brown/white						10	11	12
RH Flasher	Brown/red						\rightarrow		$\vdash \vdash$
RH Side Light	Green/yellow	W	/hite				13	14	15
Brake Light	White/brown	P	ink						
LH Side Light	Black/yellow	W	/hite				16	17	49

Ryder Towing Equipment Ltd

Quality, Service, Innovation

Brown/green

Reverse

Chrysler Grand Cherokee 4WD 1993 -2000

ai Data Officet				•	oning Sici Cital	ia Oilei	ONCC	700	<i>D</i> 10	,50 2
7-Core Entry Point	Lo	onger 7 Core	e Cable		Bypass Recommer F2302, see SmartC		Other	Rela	y Reco	omende
				See note	below					
Automatic Trailer Flash	ner Monitor Ro	eversing Ser	nsor		Cut Out Switch, e	tc.	Mfr's	Towir	ng Plu	g
					,					<u>-</u>
Find Constant Live	-				Find Ignition-Swit	ched Live				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Location		Ro	ute to Battery			Fusebox L	ocation			
Choose power s	source carefully.	On cars with	n power manage	ement (ID I	by battery condition	n in display) do not	go to	the b	attery.
Fitting times, etc. Note										
Remove spare wheel an										
Bypass: if there is a brigh	ht orange box in n	/s storage co	mp. this is bulb r	monitor: us	e 7-way					
	es relate fitting b	ypass relay.	For TF2302 Sm		ee SmartCAN Data		_ 🚽	1 4	2	3
3 11	ehicle Wire Colo	ours	Alternative		Lo	ocation	_	7	8	9
	ight green						_ 7			
	Green/red		Green/orange	e			_	10	11	12
	Brown						_	\rightarrow		H
RH Side Light E	Blue/red							13	14	15
Brake Light V	White/brown									
LH Side Light E	Blue/red							16	17	18

Ryder Towing Equipment Ltd

Quality, Service, Innovation

1 of 2

LH Side Light

Reverse

White/red

Green

Chrysler Grand Cherokee 4WD 2005 -

Multiblock

Multiblock

ai Bata Officot					O y 0.10	O a a a	01101	J110	J - 1 1 1	_	-
7-Core Entry Point		Longer 7 (Core Cable		Bypass Recomme F2302, see Smart0		Other	Rela	y Reco	omeno	led
Chassis R/H or in Cab				None			2006: TF221		TF221 SIC	8 or	
Automatic Trailer Flas	her Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	g	-
							19 Un	der s	oare wh	neel	
ind Constant Live					Find Ignition-Sw	tched Live					
Colour:					Colour: Red	/white					
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location			Route to Battery			Fusebox L	ocation				
Choose power s	source carefu	lly. On cars	with power manaç	gement (ID	by battery condition	on in display	/) do not	go to	the b	attery	
Fitting times, etc. Not	es										
Afr's Towing plug under	r vehicle, on re	ar cross men	nber.								
Wire positions and These not					y correct wire in lo see SmartCAN Data			1 4	2	3	
Lights	Vehicle Wire (Colours	Alternative		L	ocation		7	8	9	ı
LH Flasher	White/green				N	lultiblock	_	-		-	ſ
Fog Light	Red/green				N	lultiblock		10	11	12	
RH Flasher	White/red				N	lultiblock					
RH Side Light	White/purple				N	lultiblock		13	14	15	
Brake Light	White/brown				N	lultiblock					

Ryder Towing Equipment Ltd

Quality, Service, Innovation

LH Side Light

Reverse

Black/yellow

Purple/black

Chrysler Grand Cherokee 4WD Mid 2000 -

ar Data Sneet					Chrysler Gra	iliu Che	OKEE	4 ۷ ۷	ואו טו	iiu Z	UU
7-Core Entry Point	I	₋onger 7 Cor	re Cable	If T	Bypass Recommer F2302, see SmartC		Other	Rela	y Reco	omend	ed
Mfr. Grommet	2	2m		None							
Automatic Trailer Flash	ner Monitor F	Reversing Se	ensor		Cut Out Switch, e	tc.	Mfr's	Towi	ng Plu	g	
							19 Mu	Iltibloo	ck		
Find Constant Live					Find Ignition-Swit	ched Live					
Colour:					Colour: Red/	brown					
Location: Fusebox, re	ar				Location: 6						
Add Fuse: 15amp befo	re TF1170				Add Fuse:						
Best Wiring Location		Re	oute to Battery			Fusebox L	ocation.				
						Dash, R/H	(12)				
Choose power s	ource carefully	. On cars wit	th power manag	ement (ID	by battery conditio	n in display	/) do not	go to	the b	attery.	
Fitting times, etc. Note	s										
Power supply: 2003: tow	ing plug behind	/h side panel	linked to connec	tor under l	oumper.						
Wire positions and These note					fy correct wire in lo see SmartCAN Data			1 4	2	3	
Lights V	ehicle Wire Co	lours	Alternative		L	ocation		7	8	9	ı
LH Flasher	Green/red						7	-		-	-
Fog Light G	Green/yellow							10	11	12	
RH Flasher	Grey/red		2004 Brown	/red						\square	
RH Side Light E	Blue/red		2004 Black/	yellow				13	14	15	
Brake Light V	Vhite/brown										

Ryder Towing Equipment Ltd Quality, Service, Innovation

Chrysler Jeep Commander 4WD 2007 -

7-Core Entry Point		Longer 7 Co	ore Cable		s Recommen see SmartC		Othe	r Rela	y Reco	menc	ed
Grommet: number pl	ate light										
Automatic Trailer F	lasher Monitor	Reversing S	Sensor	Cut (Out Switch, e	tc.	Mfr's	Towi	ng Plu	α	
		noronomy c	<u>/0.1.001</u>				20		<u>g</u>	5	
Find Constant Live				Find	Ignition-Swit	ched I ive					
				1 1114		onca Live					
Colour:	(04				Colour: ocation:						
Location: 19 hinge	e (21 estate)			_							
Add Fuse:				Ad	d Fuse:						
Best Wiring Location	on	F	Route to Battery			Fusebox Lo	cation	<u> </u>			
Fitting times, etc. N		y. On cars w	ith power managem	ent (ID by bat	tery condition	n in display)	do no	t go to) the b	attery	
Titting times, etc. I	10103										
			given. Use probe to ay. For TF2302 Smar			cation.		1 4	2	3	•
		g bypass rela			artCAN Data	cation.		1 4	2 5 8	3 6	
These	notes relate fittin	g bypass rela olours	ay. For TF2302 Smar		artCAN Data			4	5	3 6 9	
These Lights	Vehicle Wire C	g bypass rela olours	ay. For TF2302 Smar		artCAN Data			4	5	3 6 9	
These Lights LH Flasher	Vehicle Wire C White/dark gree	g bypass rela olours	ay. For TF2302 Smar		artCAN Data			7	5	6 9	
Lights LH Flasher Fog Light	Vehicle Wire C White/dark gree Red/green	g bypass rela olours	ay. For TF2302 Smar		artCAN Data			7	5	6 9	
Lights LH Flasher Fog Light RH Flasher	Vehicle Wire C White/dark gree Red/green White/orange	g bypass rela olours	ay. For TF2302 Smar		artCAN Data			10	5 8 11	9	
Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire C White/dark gree Red/green White/orange White/purple	g bypass rela olours	ay. For TF2302 Smar		artCAN Data			10	5 8 11	9	

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White/red

White/purple

White/green

Brake Light

Reverse

LH Side Light

Chrysler Jeep Compass 4WD 2007 -

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7-Core Entry Point		Longer 7 Co	ore Cable		Bypass Recomme F2302, see Smart0		Other	r Rela	y Reco	omend	led
		2m		TF2218/7	7SMARTLOGIC						
Automatic Trailer I	Flasher Monitor	Reversing S	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	q	
										<u> </u>	
Find Constant Live)				Find Ignition-Sw	itched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Locati	on	R	Route to Battery			Fusebox Lo	ocation				
Choose pov	ver source careful	ly. On cars wi	ith power manag	ement (ID	by battery condition	on in display) do not	t go to	the b	attery	
Fitting times, etc.				•	•						
12N power at 19. Fu (at battery?)		pos 5 (20amp)) but cable thin. Ch	nange fuse	to 15amp to protec	t bypass mod	ule. Fin	d sep	arate 1	2S sup	oply
	s and connection p notes relate fittin							1	2	3	
Lights	Vehicle Wire C	olours	Alternative		ı	ocation		7	5	6	
LH Flasher	Turquoise/pink								-	,	
Fog Light	White/green					19		10	11	12	
RH Flasher	White/yellow					21				\sqcup	
RH Side Light	White/black			21					14	15	

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Quality, Service, Innovation

Chrysler Jean Patriot AWD 2007

ai Dala Sileel					Cili	ysier Jee	рга	ILIIO	ι 4 ν \	10 Z	JU1
7-Core Entry Point		Longer 7 (Core Cable		Bypass Recommer F2302, see SmartC		Other	Rela	y Reco	omende	ed
				Brake cir	cuit						
Automatic Trailer Flash	er Monitor	Reversing	Sensor		Cut Out Switch, e	etc.	Mfr's	Towir	ng Plu	g	
Find Constant Live					Find Ignition-Swi	tched Live					
Colour:					Colour:						-
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location			Route to Battery			Fusebox Loc	cation				
19											
Choose power so	ource careful	ly. On cars	with power manag	jement (ID I	by battery conditio	n in display)	do not	go to	the b	attery.	
Fitting times, etc. Note:	S										
Fault condition: Main bral		if you conne	ct trailer brakes dire	ectly. Use a	bypass on brake cir	rcuit at least.			-		
Wire positions and These note					y correct wire in lo ee SmartCAN Data			1	2	3	•
Lights V	ehicle Wire C	Colours	Alternative		L	ocation	▮	7	5	9	ı
LH Flasher G	Green/red					19	•	-	8	,	
Fog Light W	Vhite/green					19		10	11	12	
RH Flasher W	Vhite/yellow					19					
RH Side Light W	Vhite/black					19		13	14	15	
5	//- !4 - /				To let ele 1	acced baseline Bade	. 🖃			 	_

Lights	Vehicle Wire Colours	Alternative	Location
LH Flasher	Green/red		19
Fog Light	White/green		19
RH Flasher	White/yellow		19
RH Side Light	White/black		19
Brake Light	White/green		To high-level brake light
LH Side Light	White/purple		19
Reverse	White/green		

1	2	3	
4	5	6	
7	8	9	
10	11	12	
13	14	15	
16	17	18	
19	20	21	Γ
	•		

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Chrysler Jeep Wrangler 4WD 1993 -2002

7-Core Entry Poin	t	Longer 7	Core Cable	If 7	Bypass Recomm F2302, see Smar		Othe	r Rela	y Reco	omended
				None						
Automatic Trailer	Flasher Monitor	Reversing	a Sensor		Cut Out Switch	. etc.	Mfr's	Towi	ng Plu	a
			,			,				<u> </u>
Find Constant Liv	•				Find Ignition-S	witched Live				
	C					WILCITED LIVE				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Locat	ion		Route to Battery			Fusebox L	ocation	1		
19			Troute to Buttery			I GOODON E	- Coulion			
Choose no	wer source careful	lly. On cars	with power manag	sement (ID	by battery condit	ion in display	/) do no	t ao ta	the h	atterv
Fitting times, etc.			with power manag	jement (ib	by battery contain	.ioii iii diopidy	,, 40 110	. go .		
ritting times, etc.	Notes									
			ıre given. Use prob elay. For TF2302 Sı					1	2	3
Tiles	e notes relate nitin	y nypass i	elay. FOI 1F2302 31	martoan,	see SiliantoAN Da	ııa		4	5	6
Lights	Vehicle Wire 0	Colours	Alternative			Location		7	8	9
LH Flasher	Green/red							Н		\Box
LH Flasher Fog Light	Green/red Brown/white						₫ -	10	11	12
								10	11	12
Fog Light	Brown/white		1 wire for L/	/H, R/H				10	11	12
Fog Light RH Flasher	Brown/white Brown/red		1 wire for L/	'H, R/H						
Fog Light RH Flasher RH Side Light	Brown/white Brown/red Black/yellow		1 wire for L/							

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Quality, Service, Innovation

Chrysler Jeep Wrangler 4WD 2003 -

7-Core Entry Point		Longer 7 Co	ore Cable	If T	Bypass Recommer F2302, see SmartC		Othe	r Rela	y Reco	omen	ded
16 Wheel arch				None							
Automatic Trailer F	lacher Meniter	Reversing S	oncor		Cut Out Switch, e	at a	Mfrio	Towi	ng Plu		
Automatic Trailer F	iasher Monitor	Reversing 5	ensor		Cut Out Switch, e	etC.	IVIII S	TOWI	ng Piu	g	
Find Constant Live					Find Ignition-Swi	tched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	n	-	Route to Battery			Fusebox L	ocation				
Choose pow	er source careful	ly. On cars w	ith power mana	gement (ID	by battery condition	n in display) do no	t go to	o the b	attery	/.
Fitting times, etc. N		,				,	,				
Wiring: Bring opposit		ght leads acro	oss to connection	point							
					fy correct wire in lo see SmartCAN Data			1 4	2	3	L
Lights	Vehicle Wire C	olours	Alternative	•	L	ocation		7	8	9	ł
LH Flasher	Black/red						_	\vdash		<u> </u>	ſ
Fog Light	Brown/white							10	11	12	
RH Flasher	Black/red							\vdash		_	-
RH Side Light	Black/yellow							13	14	15	
Brake Light	White/brown										
LH Side Light	Black/yellow							16	17	18	1
Reverse	Purple/black						_	49	20	24	₹ .

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Chrysler PT cruiser 4WD 2001 -

7-Core Entry Point		Longer 7	Core Cable	If	Bypass Recomme TF2302, see Smart0		Othe	r Rela	y Reco	meno	ed
				None							
Automatic Trailer Fl	asher Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	g	
										-	
ind Constant Live					Find Ignition-Sw	itched Live	" " " " " " " " " " " " " " " " " " "				
Colour:					Colour:						
Location: Fusebox	rear				Location:						
Add Fuse:	t, roui				Add Fuse:						
Add Fdoc.					7.00.1.0001						
Best Wiring Locatio	n		Route to Batter	у		Fusebox L	_ocation				
9 Lamp											
Choose power	er source careful	ly. On cars	with power man	agement (II	D by battery condition	on in display	y) do no	t go to	the b	attery	
Fitting times, etc. N	lotes										
	and connection		re aiven. Use pro	she to iden							
i ilese i	ioles relate rittiri	a hynaec re						1	2	3	_
		g bypass re			see SmartCAN Date		_		5	3	
Lights	Vehicle Wire (SmartCAN,	see SmartCAN Data			4 7		6 9	
Lights LH Flasher	Vehicle Wire C		elay. For TF2302	SmartCAN,	see SmartCAN Data	a		4	5	6 9	
_			elay. For TF2302	SmartCAN,	see SmartCAN Data	a		4	5	3 6 9	
LH Flasher	Green/purple		elay. For TF2302	SmartCAN,	see SmartCAN Data	a		7	5	6 9	
LH Flasher Fog Light	Green/purple Brown/white		elay. For TF2302	SmartCAN,	see SmartCAN Data	a		7	5	6 9	
LH Flasher Fog Light RH Flasher	Green/purple Brown/white Brown/red		elay. For TF2302	SmartCAN,	see SmartCAN Data	a		10	5 8	6 9	
LH Flasher Fog Light RH Flasher RH Side Light	Green/purple Brown/white Brown/red Yellow/black		elay. For TF2302	SmartCAN,	see SmartCAN Data	a		10	5 8	6 9	

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Chrysler Sebring Saloon 2010 -

Core Entry Point		Longer 7 Cor	e Cable		Bypass Recommer F2302, see SmartC		Other	Rela	y Reco	omende
(21 in Estate) Gro	mmet in floor	2m		TF2218/	7SMARTLOGIC					
utomatic Trailer Fl	lasher Monitor	Reversing Se	ensor		Cut Out Switch, e	etc.	Mfr's	Towi	ng Plu	g
		Yes								
nd Constant Live					Find Ignition-Swi	tched Live				
Colour:					Colour:					
Location: Fusebox	×				Location:					
Add Fuse:					Add Fuse:					
est Wiring Location	on	Re	oute to Battery			Fusebox Lo	ocation			
)		Ви	ulkhead L/H			Under bonn	et LH			
Choose power itting times, etc. N		lly. On cars wit	h power manag	jement (ID	by battery condition	n in display)) do not	go to	the b	attery.
		ng bypass relay			y correct wire in lo see SmartCAN Data			1 4	2	3
These	notes relate fittir	ng bypass relay	. For TF2302 Sr		see SmartCAN Data	1		1 4 7		3 6 9
These I	Vehicle Wire	ng bypass relay	. For TF2302 Sr		see SmartCAN Data	ocation		1 4 7 10	5	3 6 9
Lights LH Flasher	Vehicle Wire White/yellow	ng bypass relay	Alternative		see SmartCAN Data	ocation		7	5	6
Lights LH Flasher Fog Light	Vehicle Wire White/yellow White/green	ng bypass relay	Alternative		see SmartCAN Data	ocation 19 e grommet		7	5	6
Lights LH Flasher Fog Light RH Flasher	Vehicle Wire White/yellow White/green White/green	ng bypass relay	Alternative		see SmartCAN Data	ocation 19 e grommet 21		10	5 8	9
Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire White/yellow White/green White/green White/purple	ng bypass relay	Alternative		see SmartCAN Data	ocation 19 le grommet 21 21		10	5 8	9

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Car Data Shoot

Reverse

7-Core Entry Point		Longer 7 C	Core Cable		Bypass Recommer F2302, see SmartC		Other	Rela	y Reco	omende
20 Grommet				None						
Automatic Trailer Fl	asher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's	Towi	ng Plu	g
Find Constant Live					Find Ignition-Swit	tched Live				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Locatio	n		Route to Battery	1		Fusebox Lo	ocation			
9 Lamp			Footwell, L/H (gro	ommet)						
Choose power	er source careful	lly. On cars v	with power mana	igement (ID	by battery conditio	n in display)	do not	go to	the b	attery.
Fitting times, etc. N										
Negative reverse: use	e TF1011 to earth	switch it. (Se	ee Practical Guide)						
oom also in centre r	ear									
					y correct wire in lo see SmartCAN Data			1	2	3
			ay. 1 01 11 2302 C	JillaitoAit, s	See OmartoAN Data		_	4	5	6
Lights	Vehicle Wire (Colours	Alternativ	е	L	ocation	_	7	8	9
LH Flasher	Green/purple						_ 7			
Fog Light	Light green		Neg switch	ned				10	11	12
RH Flasher	Dark brown/red	t								\vdash
RH Side Light	Green/yellow							13	14	15
Brake Light	White/brown									
LH Side Light	Dark brown/blu	ie						16	17	48

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Quality, Service, Innovation

Reverse

Green/white

7-Core Entry Point		Longer 7	Core Cable		Bypass Recommen F2302, see SmartCA		Other	r Rela	y Rec	omende
20 Grommet				None						
Automatic Trailer F	lasher Monitor	Reversing	Sensor		Cut Out Switch, et	C.	Mfr's	Towi	ng Plu	g
Find Constant Live					Find Ignition-Swite	ched Live				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Location	on		Route to Batter	ry		Fusebox L	ocation.			
19 Lamp			Footwell, L/H (g	rommet)						
		lly. On cars	with power man	nagement (ID	by battery condition	ı in display	/) do not	go to	the b	attery.
Fitting times, etc. I		t-l- it (0 F		·		-4				
Loom also in centre		<u> </u>	· · · · · · · · · · · · · · · · · · ·	<u> </u>	m sidelight or fog will	stay on.				
Loom also in centre	rear under noor in	ini. Foglight s	switched earth ma	ay be light gre	en.					
					y correct wire in loc see SmartCAN Data	ation.		1	2	3
Lights	Vehicle Wire	Colours	Alternati	ve	Lo	cation		7	5	6
LH Flasher	White/green						•	,		,
Fog Light	White/yellow		Neg switch	ched				10	11	12
RH Flasher	White/dark bro	wn								
RH Side Light	White/orange							13	14	15
Brake Light	White/brown									
LH Side Light	White/dark bro	wn						16	17	48

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Quality, Service, Innovation

Citroen Berlingo 2008 MPV 2008 -

		Longer 7 C	ore Cable		Bypass Recommer F2302, see SmartC		Other Relay Recomend			omende
9 (21 in Estate) Gro	mmet in floor			TF2218/	7SMARTLOGIC		TF22	18/7SI	MARTI	OGIC
utomatic Trailer Fl	asher Monitor	Reversing	Sensor		Cut Out Switch, e	etc.	Mfr's	Towi	ng Plu	g
ind Constant Live					Find Ignition-Swi	tched Live	"			
Colour:					Colour:					
Location: Fusebox	<				Location:					
Add Fuse:					Add Fuse:					
est Wiring Locatio	n		Route to Batter	у		Fusebox L	ocation			
9/21						Glove box				
Chases nows	ar course careful	ly On sore w	ith newer man	agament (ID	by battary canditio	n in diaples	Ada nat	~~ +	s tha h	attarı.
Choose power		ly. On cars v	vith power man	agement (ID	by battery conditio	n in display	/) do not	go to	the b	attery.
Wire positions a	and connection protes relate fittin	points etc are g bypass rel	e given. Use pro ay. For TF2302	obe to identif SmartCAN, s	y correct wire in lo see SmartCAN Data	cation.	y) do not	go to	2 5	attery.
Wire positions a	and connection protes relate fittin	points etc are g bypass rel	e given. Use pro	obe to identif SmartCAN, s	y correct wire in lo see SmartCAN Data	cation.	y) do not	1	2	3
Wire positions a These r Lights LH Flasher	and connection protes relate fittin Vehicle Wire C	points etc are g bypass rel	e given. Use pro ay. For TF2302	obe to identif SmartCAN, s	y correct wire in lo see SmartCAN Data	cation. cocation	/) do not	1 4	2	3 6
Wire positions a	and connection protes relate fittin Vehicle Wire C Pink Green	points etc are g bypass rel	e given. Use pro ay. For TF2302	obe to identif SmartCAN, s	y correct wire in lo see SmartCAN Data	cation.	/) do not	1 4 7	2 5 8	3 6 9
Wire positions a These r Lights LH Flasher Fog Light RH Flasher	and connection protes relate fittin Vehicle Wire C Pink Green Purple	points etc are g bypass rel	e given. Use pro ay. For TF2302	obe to identif SmartCAN, s	y correct wire in lo see SmartCAN Data	cation. ocation 19 21	/) do not	1 4 7 10	2 5 8	3 6 9
Wire positions a These r Lights LH Flasher Fog Light RH Flasher RH Side Light	and connection protes relate fittin Vehicle Wire C Pink Green	points etc are g bypass rel	e given. Use pro ay. For TF2302	obe to identif SmartCAN, s	y correct wire in lo see SmartCAN Data	cation. ocation 19 21	/) do not	1 4 7	2 5 8	3 6 9
Wire positions a These r Lights LH Flasher Fog Light RH Flasher	and connection protes relate fittin Vehicle Wire C Pink Green Purple Beige	points etc are g bypass rel	e given. Use pro ay. For TF2302	obe to identif SmartCAN, s	y correct wire in lo see SmartCAN Data	cation. ocation 19 21 21	/) do not	1 4 7 10	2 5 8	3 6 9

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Quality, Service, Innovation

Sar Data She	eet					Citro	en B	erlir	igo /	All 2	003 -
7-Core Entry Poin	t	Longer 7 C	ore Cable		Bypass Recomme F2302, see SmartC		Other	Rela	y Reco	omend	ed
				TF2218/7	'SMARTLOGIC						
Automatic Trailer	Flasher Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	q	
					,					<u> </u>	
Find Constant Liv	re				Find Ignition-Swi	itched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Loca	tion		Route to Batter	ry		Fusebox L	ocation				
Choose po	wer source carefu	lly. On cars w	ith power man	nagement (ID	by battery condition	on in display	/) do not	go to	the b	attery.	
Fitting times, etc.	. Notes										
Overload on either	sidelights on late 0	5+ models wil	blow other circ	uits (speedo, e	etc) Fit TF2217X.						
Flasher relay "shut	s down" and has to	be re-energis	ed by switching	off and restar	ting the vehicle.						
	s and connection e notes relate fittir							1	2	3	
Lights	Vehicle Wire	Colours	Alternati	ve	L	ocation		7	5	6	
LH Flasher	Green		Plug: pos	sition 6		19		·		\vdash	-
Fog Light	Grey		Plug: pos	sition 1		19		10	11	12	
RH Flasher	Grey		Plug: pos	sition 6		21				\sqcup	

Lights	Vehicle Wire Colours	Alternative	Location
LH Flasher	Green	Plug: position 6	19
Fog Light	Grey	Plug: position 1	19
RH Flasher	Grey	Plug: position 6	21
RH Side Light	Green	Plug: position 3	21
Brake Light	Grey	Plug: position 2	19,22
LH Side Light	Green	Plug: position 3	19
Reverse			

	1	2	3	L
	4	5	6	
	7	8	9	
	10	11	12	
	13	14	15	
	16	17	18	ı
_	19	20	21	Γ
		•		

Quality, Service, Innovation

LH Side Light

Reverse

Green

7-Core Entry Point		Longer 7 Co	ore Cable		Bypass Recomme F2302, see Smart0		Other F	Relay	Reco	mend
				See note	below					
Automatic Trailer Flas	sher Monitor	Reversing S	Sensor		Cut Out Switch,	etc.	Mfr's T	owing	ı Pluç	3
Find Constant Live					Find Ignition-Sw	itched Live				
Colour:					Colour:					
Location: Fusebox,	rear				Location:					
Add Fuse:					Add Fuse:					
Best Wiring Location		F	Route to Batter	ry		Fusebox L	ocation			
Choose power	source carefu	lly. On cars w	ith power man	agement (ID	by battery condition	on in display) do not g	jo to t	he ba	attery.
Fitting times, etc. No										
Flasher relay "shuts do	wn" and has to	be re-energise	ed by switching	off and restar	ting the vehicle.					
					y correct wire in lo see SmartCAN Dat		■	1	2	3
Lights	Vehicle Wire	Colours	Alternativ	ve	L	ocation		7	5	6
LH Flasher	Green		Plug: pos	ition 6				-	6	
Fog Light	Grey		Plug: pos	ition 1				10	11	12
RH Flasher	Grey		Plug: pos	ition 6						
RH Side Light	Green		Plug: pos	ition 3				13	14	15
Brake Light	Grey		Plug: pos	ition 2						. I

Plug: position 3

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7-Core Entry Point	Core Entry Point Longer 7 Core Cable				Bypass Recommer F2302, see SmartC		Other	r Rela	y Reco	omende
				None						
Automatic Trailer Fl	lasher Monitor	Reversing	Sensor		Cut Out Switch, e	etc.	Mfr's	Towi	ng Plu	g
					,					
Find Constant Live					Find Ignition-Swi	tched Live				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
Auu Fuse.					Aud I use.					
Best Wiring Location	on		Route to Batter	У		Fusebox L	ocation			
	nect black and bro	points etc ar	re given. Use pro	obe to identi	ad the fuse. fy correct wire in losee SmartCAN Data			1	2	3
				-			_ I	4	5	6
Lights	Vehicle Wire C	Colours	Alternativ	ve	L	ocation	_	7	8	9
LH Flasher							_ 7	45	4.	
Fog Light								10	11	12
RH Flasher							_			\vdash
RH Side Light								13	14	15
Brake Light										
LH Side Light								16	17	18
Reverse										

Quality, Service, Innovation

Car Data Sheet Citroen C2 All 2004 -

7-Core Entry Point		Longer 7 (Core Cable	If T	Bypass Recomme F2302, see SmartC		Other R	elay	Reco	mende
				TF2218/	7SMARTLOGIC					
Automatic Trailer Fl	lasher Monitor	Reversing	Sensor		Cut Out Switch, e	etc.	Mfr's To	winc	a Pluc	a
								`	•	<u>*</u>
Find Constant Live					Find Ignition-Swi	tched Live				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Locatio	on		Route to Batter	У		Fusebox L	ocation			
18 over wheel arch			Grommet RH bu							
Choose power Fitting times, etc. N		y. On cars	with power man	agement (ID	by battery condition	n in display	/) do not g	o to t	he ba	ittery.
			e given Use nr							
	notes relate ritting	g bypass re			fy correct wire in lo see SmartCAN Data				2	3
Lights	Vehicle Wire C			SmartCAN,	see SmartCAN Data		╗	4	5	6
			lay. For TF2302	SmartCAN,	see SmartCAN Data	1	╗	+		9
Lights	Vehicle Wire C		lay. For TF2302	SmartCAN,	see SmartCAN Data	1	▋	4	5	6
Lights LH Flasher	Vehicle Wire C		Alternativ	SmartCAN,	see SmartCAN Data	1	▋	7	5	6 9
Lights LH Flasher Fog Light	Vehicle Wire C White Red		Alternativ	SmartCAN,	see SmartCAN Data	1		7	5	6 9
Lights LH Flasher Fog Light RH Flasher	Vehicle Wire C White Red		Alternativ	SmartCAN,	see SmartCAN Data	1		7 0	5 8 11	6 9
Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire C White Red Green		Alternativ	SmartCAN,	see SmartCAN Data	1		7 0	5 8 11	6 9

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		Longer 7 C	Core Cable	If T	Bypass Recommer F2302, see SmartC		Other Re	ay Rec	omen	ded
9 Grommet				TF2218/	7SMARTLOGIC					
utomatic Trailer F	lasher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's Tov	ing Plu	ıg	
ind Constant Live					Find Ignition-Swit	ched Live				_
Colour: Black					Colour:					
Location: Fusebox	v				Location:					
Add Fuse:	•				Add Fuse:					
Add I use.					Add I use.					
est Wiring Location	on		Route to Battery	y		Fusebox L	ocation			
										1
Choose power itting times, etc. N		y. On cars \	with power mana	agement (ID	by battery conditio	n in display	/) do not go	to the b	pattery	
Fitting times, etc. N	Notes	oints etc ar	e given. Use pro	be to identi	y correct wire in lo	cation.	/) do not go	to the b	attery	
Wire positions These	and connection p	oints etc are	e given. Use pro lay. For TF2302 9	be to identi SmartCAN, s	y correct wire in lo see SmartCAN Data	cation.				
Wire positions These	Notes	oints etc are	e given. Use pro	be to identi SmartCAN, s	y correct wire in lo see SmartCAN Data	cation.	1	2		
Wire positions These	and connection p	oints etc are	e given. Use pro lay. For TF2302 9	be to identi SmartCAN, s	y correct wire in lo see SmartCAN Data	cation.	1 4 7	2 5 8	3 6 9	
Wire positions These	and connection p	oints etc are	e given. Use pro lay. For TF2302 9	be to identi SmartCAN, s	y correct wire in lo see SmartCAN Data	cation.	1 4	2 5		
Wire positions These	and connection p notes relate fitting Vehicle Wire C Blue	oints etc are	e given. Use pro lay. For TF2302 9	be to identi SmartCAN, s	y correct wire in lo see SmartCAN Data	cation.	1 4 7	2 5 8	3 6 9	
Wire positions These Lights LH Flasher Fog Light	and connection p notes relate fitting Vehicle Wire C Blue Brown	oints etc are	e given. Use pro lay. For TF2302 9	be to identi SmartCAN, s	y correct wire in lo see SmartCAN Data	cation.	1 4 7	2 5 8	3 6 9	
Wire positions These Lights LH Flasher Fog Light RH Flasher	and connection p notes relate fitting Vehicle Wire C Blue Brown Grey	oints etc are	e given. Use pro lay. For TF2302 9	be to identi SmartCAN, s	y correct wire in lo see SmartCAN Data	cation.	1 4 7 10	2 5 8	3 6 9	
Wire positions These Lights LH Flasher Fog Light RH Flasher RH Side Light	and connection p notes relate fitting Vehicle Wire C Blue Brown Grey Green	oints etc are	e given. Use pro lay. For TF2302 9	be to identi SmartCAN, s	y correct wire in lo see SmartCAN Data	cation.	1 4 7 10	2 5 8	3 6 9	

Quality, Service, Innovation

LH Side Light

Reverse

Yellow

Yellow

ar Data Snee	ΣT				C	itroen C	3 PIC	ass	O WIF	v 20
7-Core Entry Point		Longer 7 (Core Cable	If T	Bypass Recomme F2302, see Smart(Other	Rela	y Reco	mende
19 Grommet				TF2218	/7SMARTLOGIC					
Automatic Trailer F	lasher Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	g
Find Constant Live					Find Ignition-Sw	itched Live				
Colour:					Colour:					
Location: Fusebox	x				Location:					
Add Fuse:					Add Fuse:					
Best Wiring Location	on		Route to Battery			Fusebox L	ocation.			
19						Glove box				
Choose pow	er source carefu	lly. On cars	with power manag	jement (ID	by battery conditi	on in display	/) do not	go to	the b	attery.
Fitting times, etc. N	Notes									
Brake lights will not v	work if bypass not	used								
					fy correct wire in I see SmartCAN Dat			1 4	2	3
Lights	Vehicle Wire	Colours	Alternative			Location		7	8	9
LH Flasher	Blue					19		•	-	
Fog Light	Red		Grey			19		10	11	12
RH Flasher	Green					18				\square
RH Side Light	Yellow					18		13	14	15
Brake Light	Blue		Orange -one	e of two		19				

19

19

Ryder Towing Equipment Ltd **Quality, Service, Innovation**

LH Side Light

Reverse

Blue

Yellow

7 Cara Entry Daint	Lange	u 7 Cara Cabla		Bunasa Basamin	Other Be	Other Relay Recomende					
-Core Entry Point	Longe	er 7 Core Cable	If	Bypass Recomm TF2302, see Smart		Otner Re	ау кес	omenae			
9 Grommet			None								
Automatic Trailer Flasher	Monitor Revers	sing Sensor		Cut Out Switch	, etc.	Mfr's Tov	ving Plu	ıg			
ind Constant Live				Find Ignition-Sv	vitched Live						
Colour:				Colour:							
Location: Fusebox, rear				Location:							
Add Fuse:				Add Fuse:							
Best Wiring Location		Route to Batter	ry		Fusebox L	_ocation					
19 Lamp											
Choose nower sou	irce carefully. On c	ars with power man	nagement (I	D by battery condit	ion in display	v) do not go	to the h	nattery			
Fitting times, etc. Notes	——————————————————————————————————————	ars with power man	iagement (i	b by battery contain	ion in displa	y) do not go	to the k	rattery.			
Viring: Bring opposite flash	ner and tail light lead	ds across to connection	on point								
Wire positions and c These notes		etc are given. Use pr ss relay. For TF2302				1	2	3			
Lights Vel	hicle Wire Colours	Alternati	ve		Location	7	5	9			
LH Flasher Wh	ite	Plug: pos	sition 6				+ •	-			
Fog Light Blu	е	With blac	k print		21	10	11	12			
RH Flasher Gre	een						_	+-+			
RH Side Light Red	d					13	14	15			
Brake Light Blu	e				21						

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Car Data Sheet Citroen C4 All 2004 -

7-Core Entry Point	Longer 7 Core Cable	If ·	Bypass Recomm FF2302, see Smart		Other Relay Recomended
-		TF2218	/7SMARTLOGIC		
Automatic Trailer Flasher Monitor	Reversing Sensor		Cut Out Switch	, etc.	Mfr's Towing Plug
Find Constant Live			Find Ignition-Sv	vitched Live	,
Colour:			Colour:		
Location: Fusebox			Location:		
Add Fuse:			Add Fuse:		
Best Wiring Location	Route to Batt	ery		Fusebox	Location
19	Grommet RH			Bulkhead	L/H

Choose power source carefully. On cars with power management (ID by battery condition in display) do not go to the battery.

Fitting times, etc. Notes

2005 Update: High level brake light (1 of 6 White wires) found n/s pillar.

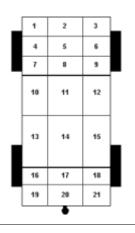
None of the rear lights are protected by fuses.

Fault condition: When you check the rear clusters, the indicators may stop working. Refit lamps, power down, lock car and leave for 10 minutes - car will reset.

Wire positions and connection points etc are given. Use probe to identify correct wire in location.

These notes relate fitting bypass relay. For TF2302 SmartCAN, see SmartCAN Data

Lights	Vehicle Wire Colours	Alternative	Location
LH Flasher	White/green	Red/blue, or Yellow	19
Fog Light	White/red	Grey/brown or Beige	20 multiblock
RH Flasher	White/green	Red/blue or Blue	21
RH Side Light	White/grey		21
Brake Light	Yellow	White	See note
LH Side Light	White/grey	Green	19
Reverse	White	Red/purple 19	20 multiblock



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ar Data Shee	et				С	itroen C	4 Pic	asso) MF	۷V 20	06
7-Core Entry Point		Longer 7 Co	ore Cable		Bypass Recomme F2302, see SmartC		Other	Relay	/ Reco	omende	d
19 (21 in Estate) Gro	ommet in floor			TF2218/7	7SMARTLOGIC		TF221	8/7SN	ИARTL	OGIC	
Automatic Trailer F	lasher Monitor	Reversing S	Sensor		Cut Out Switch, e	etc.	Mfr's	Towir	ng Plu	g	
Find Constant Live					Find Ignition-Swi	itched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	on	1	Route to Batter	у		Fusebox L	ocation				
21				-		Dash, L/H (10)				
Choose pow	er source careful	ly. On cars w	ith power man	agement (ID	by battery condition	on in display) do not	go to	the b	attery.	
Fitting times, etc. I											
2005 Update : High I None of the rear ligh			ires) found n/s p	oillar.							
Fault condition: If yo minutes - car will res		ear clusters, th	ne indicators will	fail to work w	hen you connect ac	gain. Power d	lown, loc	k car	and lea	ave for	10
Mira positiona	and connection r	aluta ata ara	airen Hoones	sha ta idantif	y correct wire in lo	antin n					
					ee SmartCAN Data			1	2	3	
Lights	Vehicle Wire C	Colours	Alternativ	/e	L	ocation.	┑┇	4	5	6	ı
LH Flasher	Purple					19	▝	7	8	9	ı
Fog Light	Purple					19-20		10	11	12	
RH Flasher	Brown					21					
RH Side Light	Pink					21		13	14	15	
Brake Light	White					19			1-		

10				
19		<u> </u>	8	_
19-20		10	11	12
21		<u> </u>		_
21		13	14	15
19		ĺ		
19		16	17	18
B9	_	19	20	21
			39	16 17

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Reverse

Grey

Citroen C5 (X41) Hatchback 2001 - Oct 2004

ai Data Office				O.	iiocii oo (X -	i, i iatoi	ibaoi	`	0.	O 01 2
7-Core Entry Point		Longer 7 C	ore Cable		Bypass Recommer F2302, see SmartC		Other	r Rela	y Rec	omende
19/21 Grommet				None						
Automatic Trailer Fl	asher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's	Towi	ng Plu	g
Find Constant Live		1			Find Ignition-Swi	tched Live				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Locatio	n		Route to Battery			Fusebox L	.ocation			
19										
Choose power	er source careful	ly. On cars v	vith power manaç	gement (ID	by battery conditio	n in display	/) do not	go to	the b	attery.
Fitting times, etc. N	lotes									
Colours: Probe all cir	cuits: colours may	y be same or	duplicated							
Test in sequence; sta	art up; turn off to re	eset								
					y correct wire in lo ee SmartCAN Data			1 4	2	3
Lights	Vehicle Wire C	colours	Alternative		L	ocation	_	7	8	9
LH Flasher	White									
Fog Light	White		Grey?					10	11	12
RH Flasher	White									\vdash
RH Side Light	White							13	14	15
Brake Light	White		Red/white?							
LH Side Light	White							16	17	48

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7-	Core Entry Point		Longer 7	Core Cable		Bypass Recomme F2302, see Smarte		Other I	Rela	y Reco	omende	ed .
19	/21		2m		TF2218/	7SMARTLOGIC						
Αι	ıtomatic Trailer Fl	asher Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's T	owii	ng Plu	g	
			Fit detacha	able towball to avoid	d reversing							
Fi	nd Constant Live					Find Ignition-Sw	ritched Live					
	Colour:					Colour:						
	Location:					Location:						
	Add Fuse: Slot 10,	15amp				Add Fuse:						
Ве	est Wiring Locatio	n		Route to Battery			Fusebox Lo	ocation				
	wires at 16. All wh						Dash, L/H (10)				
	Choose power	er source carefu	lly. On cars	with power manag	gement (ID	by battery conditi	on in display	do not g	go to	the b	attery.	
F	itting times, etc. N	otes										
Al	though, previously,	no bypass has b	een recomm	ended on this car, a	a customer l	nas been recomme	nded by his de	ealer to fit	t a by	ypass.		
7-	core entry 2004: W	ire n/s behind pla	stic trim.Gro	mmet for 7-core po	sition 18.							
Po	ower supply 2004: 3	Wires in plug n/s	s: Perm feed	= Grey ,Switched f	eed = White	•						
Τe	est in sequence; sta	rt up; turn off to r	eset									
	Wire positions	and connection	nointe oto a	re given. Use prob	o to identif	v correct wire in I	ocation	_				
				elay. For TF2302 S					1	2	3	
	Lights	Vehicle Wire	Colours	Alternative	<u> </u>		Location	╸▮	4	5	6	
	LH Flasher	Yellow		2004 White	!			╡	7	8	9	
	Fog Light	Pink		2004 Yellov	v				10	11	12	
	RH Flasher	Yellow		2004 Blue				⊣	_		Ш	
	RH Side Light	Red		2004 White	!				13	14	15	
	Brake Light	Green		2004 Thick	white						"	
	LH Side Light	Red		2004 Yellov	v			▋	16	17	48	
	Reverse	Grev		2004 White				╸		.,		

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7-Core Entry Point	L	onger 7 Core	Cable		Bypass Recomme F2302, see SmartC	Othe	r Rela	y Reco	omende	
19		'SMARTLOGIC								
Automatic Trailer F	lasher Monitor R	eversing Sen	isor		Cut Out Switch, e	etc.	Mfr's	Towi	ng Plu	a
			<u></u>							<u> </u>
Find Constant Live					Find Ignition-Swi	tched Live				
Colour: Brown					Colour:					
Location: 16					Location:					
	1, 20 amp mini blade				Add Fuse: 30					
	·									
Best Wiring Location	on	Rou	ute to Battery			Fusebox L	ocation	1		
Fitting times, etc. N										attery.
Altnougn, previously,	, no bypass has beer	recommende	ed on this car, a c	customer r	as been recommer	ided by his d	ealer to	fit a b	ypass.	
	and connection poi							1	2	3
Inese	notes relate fitting l	bypass relay.	For 1F2302 Sm	artCAN, s	ee SmartCAN Data	1	_ [4	5	6
Lights	Vehicle Wire Col	ours	Alternative		L	ocation		7	8	9
LH Flasher	Yellow						_		_	╌╸
Fog Light	Purple							10	11	12
RH Flasher	Orange							\vdash		\vdash
RH Side Light	Grey							13	14	15
Brake Light	Green									
LH Side Light	Blue							16	17	18
Reverse	White						_	40	24	34

Quality, Service, Innovation

7-Core Entry Point	Longer 7 Core Cable	Bypass Reco		Other Relay Recomended
19 Grommet in floor 2m		TF2302 SmartCAN		TF2218/7SMARTLOGIC
13 Grommet III noor				11 22 10/1 OWARTEOGIO
Automatic Trailer Flasher Monitor	Reversing Sensor	Cut Out Swi	tch, etc.	Mfr's Towing Plug
Find Constant Live		Find Ignition	-Switched Live	
Colour:		Colour:		
Location: 21 Fusebox		Location:		
Add Fuse:		Add Fuse:		
Best Wiring Location	Route to Batte	ry	Fusebox	Location
21				
Choose power source carefu	ılly. On cars with power mar	nagement (ID by battery cor	ndition in displa	y) do not go to the battery.
Fitting times, etc. Notes				
Halogen reverse lights overheat and f	ail if left on long, 2 reports.			

Fitting times, etc. Notes Halogen reverse lights overheat and fail if left on long. 2 reports. Warning: Citroen note on loom warns not to add any load above 10 milli amps. (Ryder TF2217/7 series add less tha 1 mA per circuit, so OK

Wire positions and connection points etc are given. Use probe to identify correct wire in location.

These notes relate fitting bypass relay. For TF2302 SmartCAN, see SmartCAN Data

Lights	Vehicle Wire Colours	Alternative	Location
LH Flasher	Brown		19
Fog Light	White@16/19	Yellow@21	2 pink unclip trim by sea
RH Flasher	Blue		21
RH Side Light	Brown		21
Brake Light	Purple	Blue@19	21
LH Side Light	Green		19
Reverse	Green	Blue or Yellow 16	green unclip trim by se

	1	2	3	
	4	5	6	
	7	8	9	
	10	11	12	
	13	14	15	
	16	17	18	ı
_	19	20	21	Γ.
		•		

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Quality, Service, Innovation

Car Data Sheet Citroen C8 MPV 2003 -

7-Core Entry Point		Longer 7	Core Cable	If T	Bypass Recommer F2302, see SmartC		Other Relay Recome			omen	ded	
				TF2218/	7SMARTLOGIC							
Automatic Trailer F	Flasher Monitor	Reversir	ıg Sensor		Cut Out Switch, etc.			Mfr's Towing Plug				
			<u> </u>		,				J	<u> </u>		
Find Constant Live)				Find Ignition-Swi	tched Live					_	
Colour: Beige					Colour:							
Location: 19 or 2	1				Location:							
Add Fuse:					Add Fuse:							
Best Wiring Locati	on		Route to Batter	ry		Fusebox L	.ocation	1				
Multiplug, 12 under			Along chassis R		vers seat	Under bonr	net RH					
•		lly. On car	s with power man	nagement (ID	by battery condition	on in display	/) do no	t go t	o the b	attery	١.	
Fitting times, etc.	Notes											
					fy correct wire in losee SmartCAN Data			1 4	2	3	L	
Lights	Vehicle Wire	Colours	Alternati	ve	L	ocation		7	8	9	ł	
LH Flasher	Brown		Blue				_	Ĥ	_	-	┍	
Fog Light	White		Brown					10	11	12		
RH Flasher	Blue							\vdash			-	
RH Side Light	Yellow							13	14	15		
Brake Light	Grey											
LH Side Light	White							16	17	18	ł	
Reverse	Brown		Purple					19	20	24	₹	

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Car Data Sheet Citroen C8 MPV 2007 -

7-Core Entry Point		Longer 7 C	ore Cable	If T	Bypass Recomme F2302, see Smart0		Othe	r Rela	y Reco	omende		
				7SMARTLOGIC		TF22	18/7S	MARTL	OGIC			
Automatic Trailer FI	asher Monitor	Reversing	Sensor	Cut Out Switch, etc.				Mfr's Towing Plug				
Find Constant Live					Find Ignition-Sw	itched Live						
Colour: Beige					Colour:							
Location: 19 behir	nd side panel				Location:							
Add Fuse:	·				Add Fuse:							
Best Wiring Locatio	'n		Route to Batter	у		Fusebox L	ocation	1				
19			Under chassis	-								
Fitting times, etc. N					by battery condition							
					fy correct wire in losee SmartCAN Data			1	2	3		
		g bypass rel		SmartCAN,	see SmartCAN Data			4	5	6		
These r	notes relate fittin	g bypass rel	ay. For TF2302	SmartCAN,	see SmartCAN Data	a				3 6 9		
These r	Vehicle Wire C	g bypass rel	ay. For TF2302 Alternativ	SmartCAN,	see SmartCAN Data	a		4	5	6		
These r Lights LH Flasher	Vehicle Wire C	g bypass rel	ay. For TF2302 Alternativ	SmartCAN,	see SmartCAN Data	a		7	5	6 9		
Lights LH Flasher Fog Light	Vehicle Wire C Blue/brown Brown	g bypass rel	ay. For TF2302 Alternativ	SmartCAN,	see SmartCAN Data	a _ocation		7	5	6 9		
Lights LH Flasher Fog Light RH Flasher	Vehicle Wire C Blue/brown Brown Blue	g bypass rel	Alternativ Light brow	SmartCAN,	see SmartCAN Data	Location		10	5 8	9		
Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire C Blue/brown Brown Blue Yellow	g bypass rel	Alternativ Light brow	SmartCAN,	see SmartCAN Data	Location		10	5 8	9		

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7-	Core Entry Point		Longer 7 (Core Cabl	е		Bypass Reco F2302, see Sn		Othe	er Rela	y Reco	omeno	led
						TF2218/7	7SMARTLOGI	С					
Δ.	utomatic Trailer Fla	sher Monitor	Reversing	Sensor			Cut Out Swi	tch etc	Mfr's	: Towi	ing Plu	a	
		isher monitor	reversing	0011301			out out own	1011, 010.	18	3 1000	iiig i iu	9	
Fi	nd Constant Live						Find Ignition	n-Switched Live					
	Colour:						Colour:						
	Location: Battery						Location:						
A	Add Fuse:						Add Fuse:						
B	est Wiring Location	1		Route to	Rattory		1	Fusebox L	ocatio	•			
	Choose nowe	r source careful	ly On cars	with now	er manage	ement (ID	hy hattery coi	ndition in display) do no	nt ao t	o the h	atterv	
Fi	itting times, etc. No		.,	pon	or manage	J	,	Tallion III alopiay	, 40	. 90 .			•
	Wire positions a	nd connection potes relate fitting								1	2	3	L
	Lights	Vehicle Wire C			ternative			Location		4	5	6	
	LH Flasher	Green/silver do		A	lernalive			18	- 1	7	8	9	
	Fog Light	Turquoise	13					21		10	11	12	
	RH Flasher	White/silver						18		"			
								18					
	RH Side Light	Brown						18	_	13	14	15	
	Brake Light												
	LH Side Light	Brown						18		16	17	18	
	Reverse	White/silver						18		19	20	21	

Quality, Service, Innovation

Citroen Despatch Van 2002 -

Core Entry Point		Longer 7 Co	ore Cable		Bypass Recommer F2302, see SmartC		Other	Rela	y Reco	mend
9 Grommet				None						
utomatic Trailer F	lasher Monitor	Reversing S	Sensor		Cut Out Switch, e	Mfr's Towing Plug				
		3				· ·				
ind Constant Live					Find Ignition-Swit	ched Live				
Colour:					Colour:				-	
Location:					Location:					
Add Fuse:					Add Fuse:					
est Wiring Locatio	on		Route to Battery			Fusebox Lo	cation			
Choose pow	er source careful	ly. On cars w	vith power manag	jement (ID	by battery conditio	n in display)	do not	go to	the ba	attery
itting times, etc. N	lotes									
					y correct wire in lo ee SmartCAN Data			1 4	2	3
		g bypass rela		martCAN, s	ee SmartCAN Data			1 4 7	2 5 8	3 6 9
These	notes relate fittin	g bypass rela	ay. For TF2302 Sn	martCAN, s	ee SmartCAN Data			4	5	3 6 9
These I	Vehicle Wire C	g bypass rela	ay. For TF2302 Sn	martCAN, s	ee SmartCAN Data			4	5	3 6 9
These	Vehicle Wire C	g bypass rela	ay. For TF2302 Sn	martCAN, s	ee SmartCAN Data			7	5	6
Lights LH Flasher Fog Light	Vehicle Wire C Beige Orange	g bypass rela	ay. For TF2302 Sn	martCAN, s	ee SmartCAN Data			7	5	6
Lights LH Flasher Fog Light RH Flasher	Vehicle Wire C Beige Orange Yellow	g bypass rela	ay. For TF2302 Sn	martCAN, s	ee SmartCAN Data			4 7 10	5 8 11	9 12
Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire C Beige Orange Yellow White	g bypass rela	ay. For TF2302 Sn	martCAN, s	ee SmartCAN Data			4 7 10	5 8 11	9 12

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7-Core Entry Point		Longer 7 (Core Cable		Bypass Recommer F2302, see SmartC		Other	Rela	y Reco	mende
		2m		TF2218/7	7SMARTLOGIC					
Automatic Trailer F	lasher Monitor	Reversing	Sensor		Cut Out Switch, e	Mfr's Towing Plug				
ind Constant Live					Find Ignition-Swi	ched Live				
Colour: Blue					Colour:					
Location: Fusebox	×				Location:					
Add Fuse:					Add Fuse:					
Best Wiring Location	on		Route to Batter	У	-	Fusebox Lo	ocation			
21			Through roof wit	•	ebox	Dash, R/H (12)			
Choose pow	er source careful	ly. On cars	with power man	agement (ID	by battery conditio	n in display)	do not	go to	the b	attery.
Fitting times, etc. N	lotes									
	and connection p	ointe etc a								
					y correct wire in lo		Γ	1	,	3
These					y correct wire in lo ee SmartCAN Data			1	2	3
These Lights		g bypass re		SmartCAN, s	ee SmartCAN Data		-	4	5	6
	notes relate fittin	g bypass re	lay. For TF2302	SmartCAN, s	ee SmartCAN Data			-		3 6 9
Lights	Vehicle Wire C	g bypass re	lay. For TF2302	SmartCAN, s	ee SmartCAN Data	ocation		4	5	6
Lights LH Flasher	Vehicle Wire C	g bypass re	lay. For TF2302	SmartCAN, s	ee SmartCAN Data	ocation high up		7	5	6 9
Lights LH Flasher Fog Light	Vehicle Wire C Blue Red	g bypass re	lay. For TF2302	SmartCAN, s	ee SmartCAN Data	high up		7	5	6 9
Lights LH Flasher Fog Light RH Flasher	Vehicle Wire C Blue Red White	g bypass re	lay. For TF2302	SmartCAN, s	ee SmartCAN Data	high up 21 21		7	5 8 11	9
Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire C Blue Red White Yellow	g bypass re	lay. For TF2302	SmartCAN, s	ee SmartCAN Data	high up 21 21		7	5 8 11	9

Quality, Service, Innovation

Citroen Multispace MPV 2004 -

7-Core Entry Point		Longer 7 (Core Cable	If T	Bypass Recommer F2302, see SmartC		Othe	r Rela	y Reco	mende		
				TF2218/	7SMARTLOGIC							
Automatic Trailer F	lasher Monitor	Reversing	Sensor		Cut Out Switch, etc.			Mfr's Towing Plug				
Find Constant Live					Find Ignition-Swi	tched Live						
Colour:					Colour:							
Location:					Location:							
Add Fuse:					Add Fuse:							
Best Wiring Location	on		Route to Batter	·V		Fusebox L	ocation	1				
				•	onvoluted tubing							
Choose pow	er source careful	ly. On cars	with power man	agement (ID	by battery condition	n in display) do no	t go to	the b	attery.		
Fitting times, etc. I	Notes											
Wire positions	and connection p	ooints etc a	re given. Use pro	obe to identi	fy correct wire in lo	cation.						
These	notes relate fittin	g bypass re	lay. For TF2302	SmartCAN,	see SmartCAN Data	1		1	2	3		
Lights	Vehicle Wire C	colours	Alternativ	ve	L	ocation		7	5	6		
LH Flasher	Yellow					19	_	<u> </u>	8	9		
Fog Light	Brown					19 lamp		10	11	12		
RH Flasher	Cream/tan					21						
RH Side Light	Pink					21		13	14	15		
Brake Light	Grey		Red			19 lamp						
LH Side Light	Cream/tan					19 lamp		16	17	18		
Reverse												

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Quality, Service, Innovation

7-Core Entry Point		Longer 7 (Core Cable		Bypass Recommer F2302, see SmartC		Othe	r Rela	y Reco	omeno	led
				TF2218/	7SMARTLOGIC						
Automatic Trailer F	lasher Monitor	Reversing	Sensor		Cut Out Switch, e	Mfr's Towing Plug					
	identification in entities.	rio voi oiii g			out out ownsin, s					ອ	
Find Constant Live					Find Ignition-Swi	tched Live					
					Colour:	101104 2110					
Colour:					Location:						
Location: Battery											
Add Fuse:					Add Fuse:						
Best Wiring Location	on		Route to Battery			Fusebox L	ocation	1			
Choose pow	er source carefull	y. On cars	with power mana	gement (ID	by battery conditio	on in display) do no	t go t	o the b	attery	
Fitting times, etc. N	Notes										
					ry correct wire in lo see SmartCAN Data			1	2	3	L
Lights	Vehicle Wire C	olours	Alternative)	L	ocation		7	5		ı
LH Flasher	Blue/white					19	_	Ľ.	•	,	┏.
Fog Light	Brown/grey					19		10	11	12	
RH Flasher	Blue/black					21					
RH Side Light	Yellow					21		13	14	15	
Brake Light	Green/white					19					
LH Side Light	Yellow					19		16	17	18	
Reverse	Grey/green					19		19	20	24	

Quality, Service, Innovation

7-0	Core Entry Point		Longer 7	Core Cable			Bypass Recomme F2302, see SmartC		Othe	r Rela	y Rec	omeno	led
21	Behind1/4 Bumper					None							
Αu	Itomatic Trailer Fla	sher Monitor	Reversing	Sensor			Cut Out Switch, e	Mfr's Towing Plug					
Fir	nd Constant Live						Find Ignition-Swi	tched Live					
	Colour:						Colour:						
	Location:						Location:						
	Add Fuse:						Add Fuse:						
	tuu i uoe.						7100 7 0001						
Ве	est Wiring Location	ı		Route to I	Battery			Fusebox L	ocation	1			
19													
	Choose power	source careful	ly. On cars	with power	manage	ement (ID	by battery condition	n in display) do no	t go t	o the b	attery	
Fi	itting times, etc. No	ites											
	ont monitor: pre 2003 ough to front. (E.G 1		can be used	. 2003:No ir	idicator v	vires availa	ble at front for front	monitor. Wir	e at bad	k and	bring t	elltale	wires
	ey: spare key issued		nd is used to	o programm	e new ke	eys if requir	red.						
		<u> </u>											
							y correct wire in lo ee SmartCAN Data		_	1	2	3	L
		T							_	4	5	6	
	Lights	Vehicle Wire C	colours	Alte	rnative		L	ocation	_	7	8	9	
	LH Flasher	Blue/black											
	Fog Light	Grey								10	11	12	
	RH Flasher	Blue											
	RH Side Light	Yellow/black							_	13	14	15	L
	Brake Light	Red/black											
	LH Side Light	Yellow								16	17	18	
	Reverse								_	19	20	21	

Quality, Service, Innovation

		1					roen				
7-Core Entry Point		Longer 7	Core Cable		Bypass Recommo F2302, see Smart		Othe	r Rela	y Rec	omen	ded
21 Behind1/4 Bumpe	er										
Automatic Trailer F	lasher Monitor	Reversing	g Sensor		Cut Out Switch,	Mfr's	Towi	ng Plu	ıg		
Find Constant Live					Find Ignition-Sw	ritched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	on		Route to Battery			Fusebox L	ocation	1			
19											
		ly. On cars	with power managem	ent (ID	by battery conditi	on in display) do no	t go t	o the b	attery	<i>'</i>
Fitting times, etc. N		aan ha waad	L 2002:No indicator wire	aa ayaila	able at front for fron	t monitor \\/in	o at ha	ماد ممط	bring 4	talltala	uviroo
through to front. (E.G		can be used	I. 2003:No indicator wire	es avalle	ible at Iront for from	it monitor. wii	e at bac	sk and	billig i	lentale	wires
Key: spare key issue	ed has a memory a	ınd is used t	to programme new keys	if requi	red.						
			ire given. Use probe to elay. For TF2302 Smar					1	2	3	L
Lights	Vehicle Wire C	Colours	Alternative			Location		4	5	6	ı
LH Flasher	Pink/white					19		7	8	9	₽
Fog Light	Grey/blue					19		10	11	12	
RH Flasher	Blue/black					21					
RH Side Light	Yellow/black					21		13	14	15	
Brake Light	Red/black					19		<i>"</i>		"	
LH Side Light	Yellow/red					19		16	17	18	1
Reverse	Red/white					19					₽

Quality, Service, Innovation

LH Side Light

Reverse

Green/yellow

White/green

7-Core Entry Point		Longer 7 C	ore Cable	li li	Bypass Recomn TF2302, see Smar		Other	Rela	y Reco	omende
				TF221	8/7SMARTLOGIC					
Automatic Trailer Fl	asher Monitor	Reversing	Sensor		Cut Out Switch	ı, etc.	Mfr's	Towi	ng Plu	g
Find Constant Live					Find Ignition-S	witched Live				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Locatio	n		Route to Batter	у		Fusebox I	Location			
Choose power	er source careful	lly. On cars v	vith power mana	agement (D by battery condi	tion in displa	y) do not	go to	the b	attery.
Fitting times, etc. N	lotes									
Brown wire with black	k trace associated	with fog light	t is a test wire. De	o not conn	ect to it.					
					ntify correct wire in I, see SmartCAN D			1 4	2	3
Lights	Vehicle Wire (Colours	Alternativ	⁄e		Location		7	8	9
LH Flasher	Pink/black					21		-		
Fog Light	Brown							10	11	12
RH Flasher	Pink					21				\square
RH Side Light	Yellow							13	14	15
Brake Light	Green					21				

19

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Quality, Service, Innovation

Citroen Saxo All 1996 -Car Data Sheet

							1				
7-Core Entry Point		Longer 7 C	Core Cable		Bypass Recomme F2302, see Smart0		Other	Rela	y Reco	omend	led
19 Grommet				None							-
Automatic Trailer Flashe	r Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	g	
Find Constant Live					Find Ignition-Sw	itched Live					_
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location			Route to Batter	у		Fusebox L	_ocation				
19/21 behind vents											
Choose power so	urce carefull	v. On cars v	with power man	agement (ID	by battery condition	on in display	v) do not	ao to	the b	atterv	
Fitting times, etc. Notes		,					,,	9			
ault condition: If you disc	onnect the re	ar clusters y	ou get a fault co	ndition that on	ly the dealer can c	ear.					
Wire positions and c	connection p relate fitting	oints etc ar J bypass re	e given. Use pro lay. For TF2302	obe to identif SmartCAN, s	y correct wire in leee SmartCAN Dat	ocation. a		1 4	2	3	
Lights Ve	hicle Wire C	olours	Alternativ	ve	ı	Location		7	8	9	ı
LH Flasher Be	eige									-	┌
Fog Light Gr	een							10	11	12	
RH Flasher Gr	een									\vdash	
RH Side Light Be	ige							13	14	15	
Brake Light Re	ed										

LH Side Light

Reverse

Pink

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Reverse

Orange

Jai Dala Sile	ec					Citroei	ı Syne	# gi	e ivir	- V I	99 0 -
7-Core Entry Poin	t	Longer 7	Core Cable	H	Bypass Recomm f TF2302, see Smart		Other	Rela	y Reco	omend	ed
21 Grommet rear fl	oor			TF221	18/7SMARTLOGIC						
Automatic Trailer	Flasher Monitor	Reversing	g Sensor		Cut Out Switch	, etc.	Mfr's	Towi	ng Plu	g	
Find Constant Liv	e				Find Ignition-Sv	witched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse: Slot 8					Add Fuse:						
Best Wiring Locat	ion		Route to Battery			Fusebox L	ocation				
			Footwell RH								
Choose por	wer source careful	ly. On cars	with power manag	gement (ID by battery condit	ion in display	/) do not	go to	the b	attery.	
Fitting times, etc.	Notes										
Power supply: 21 o	n vans. Plug on RH	S may affect	ct central locking.								
					ntify correct wire in I, see SmartCAN Da			1 4	2	3	
Lights	Vehicle Wire 0	Colours	Alternative			Location		7	8	•	
LH Flasher	Yellow						- ■	<u>.</u>		-	-
Fog Light	Grey				L	oom to roof		10	11	12	
RH Flasher	White						-	\rightarrow		\vdash	
RH Side Light	Green							13	14	15	
Brake Light	Pink										
LH Side Light	Pink						▐	16	47	49	

Loom to roof

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Quality, Service, Innovation

LH Side Light

Reverse

Green

Grey

Sar Data Snee	et					Citroen	xanı	ia i	Esta	ite 1	995 -
7-Core Entry Point		Longer 7 Co	re Cable		Bypass Recommei F2302, see SmartC		Other I	Rela	y Reco	omeno	ded
Mfr. Grommet				See note	below						
Automatic Trailer F	Flasher Monitor	Reversing S	ensor		Cut Out Switch, e	etc.	Mfr's T	owir	ng Plu	g	
Find Constant Live)	ı			Find Ignition-Swi	tched Live					
Colour:					Colour:						
					Location:						
Location:											
Add Fuse:					Add Fuse:						
Best Wiring Location	on	R	oute to Battery			Fusebox Lo	cation				
Choose pow	ver source careful	ly. On cars wi	th power manag	ement (ID	by battery conditio	n in display)	do not ç	go to	the b	attery	· <u> </u>
Fitting times, etc. I	Notes										
Multiplug: there is a	plug at the O/S rea	r with fog light	and reverse feed	ls							
Bypass: if the flashe	er relay clicks loudly	, the Xantia is	multiplexed, other	rwise not.							
					y correct wire in lo ee SmartCAN Data			1	2	3	
Lights	Vehicle Wire C	olours	Alternative		L	ocation	▮	7	5	6	ı
LH Flasher	Green		Pin 1					-	6	,	₽
Fog Light	Grey		Pin 2		M	ultiblock		10	11	12	
RH Flasher	Green		Pin 1			21	7 L	_			
RH Side Light	Red		Pin 4			21	1	13	14	15	
Brake Light	Green		Pin 3			21					

19

Multiblock

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Pin 4

Quality, Service, Innovation

Car Data Sheet

Reverse

Citroen Xantia Hatchback May 1993 -

7-Core Entry Point		Longer 7 C	ore Cable		Bypass Recommer F2302, see SmartC		Other	Rela	y Reco	omende
Mfr. Grommet				See note	below					
Automatic Trailer Fl	asher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's	Towi	ng Plu	g
Find Constant Live					Find Ignition-Swit	ched Live				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Locatio	on .		Route to Battery	v	1	Fusebox L	ocation_			
		ly. On cars v	vith power mana	agement (ID	by battery conditio	n in displa	y) do not	go to	the b	attery.
Fitting times, etc. No Multiplug: there is a p		r with foa lial	at and roverse for	ode						
Bypass: if the flasher										
bypass. If the hasher	Telay clicks loudly	, tile Aailta i	5 multiplexed, of	nerwise not.						
					y correct wire in lo ee SmartCAN Data			1	2	3
Lights	Vehicle Wire C	colours	Alternativ	re	L	ocation		7	5	9
LH Flasher									-	<u> </u>
Fog Light	Grey				М	ultiblock		10	11	12
RH Flasher										\square
RH Side Light	Red							13	14	15
Brake Light										
LH Side Light								16	17	48

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Quality, Service, Innovation

Reverse

Brown

7-Core Entry Point		Longer 7 C	Core Cable	If T	Bypass Recomme F2302, see Smart0		Other	r Rela	y Reco	omend	led
21 Grommet rear floo	r				ters use 7-way LOGIC/2218						
Automatic Trailer Fla	asher Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	g	
Find Constant Live	<u> </u>				Find Ignition-Sw	itched Live					
Colour:					Colour:						
Location: 19					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	n		Route to Battery	<i>y</i>		Fusebox L	ocation				_
			Throttle cable gro			. acoust E					
Choose powe	r source carefully	. On cars v	with power mana	agement (ID	by battery condition	on in display	/) do not	t go to	the b	attery	_
Fitting times, etc. N	otes										
Colours: Probe all circ	cuits: colours may	be same or	duplicated								
use: indicator fuse is	under bonnet.										
Bypass: Manufacture	r's kit uses bypass	relays									
					y correct wire in losee SmartCAN Dat			1 4	2	3	
Lights	Vehicle Wire Co	lours	Alternativ	re	I	_ocation		7	8	9	ı
LH Flasher	Green						_			-	ſ
Fog Light	Dark fawn							10	11	12	
RH Flasher	Light fawn									\vdash	
RH Side Light	Yellow							13	14	15	
Brake Light	Grey/red										
LH Side Light	Green							40	47		

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Quality, Service, Innovation

Car Data Sheet

Grey/brown

Reverse

Citroen Xsara Estate/ Hatchback 2002 -

ai Data Office					Oiti Octi At	Jaia Est	.atc/ i	iato	IIDU.	
7-Core Entry Point		Longer 7 Co	re Cable		Bypass Recommer F2302, see SmartC		Other	Rela	y Reco	omende
21 Grommet rear floo	or			? 7-way						
Automatic Trailer Fl	asher Monitor	Reversing S	ensor		Cut Out Switch, e	tc.	Mfr's	Towi	ng Plu	g
Find Constant Live					Find Ignition-Swit	tched Live				
Colour:					Colour:			-		
Location: 18					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Locatio	n	R	oute to Battery			Fusebox L	ocation.			
		Т	hrottle cable gromn	net						
Choose power	er source carefull	y. On cars wi	th power manager	ment (ID	by battery conditio	n in display	/) do not	go to	the b	attery.
Fitting times, etc. N	lotes									
Colours: Probe all cir	cuits: colours may	be same or o	luplicated							
Fuse: indicator fuse i	s under bonnet.									
These	notes relate fitting	bypass rela	y. For TF2302 Sma		y correct wire in lo ee SmartCAN Data			1 4	2	3 6
Lights	Vehicle Wire C	olours	Alternative		L	ocation	_	7	8	9
LH Flasher	Brown						_ 7			\Box
Fog Light	Violet							10	11	12
RH Flasher	Orange									++
RH Side Light	Brown							13	14	15
Brake Light	Grey									
LH Side Light	Grey							16	17	18

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Quality, Service, Innovation

7-Core Entry Point		Longer 7	Core Cable		Bypass Recommer F2302, see SmartC		Other Rel	ay Reco	omended
				TF2218/7	7SMARTLOGIC				
Automatic Trailer Fl	asher Monitor	Reversing	g Sensor	I I	Cut Out Switch, e	tc.	Mfr's Tow	ing Plu	g
Find Constant Live					Find Ignition-Swi	ched Live			
Colour:					Colour:				
Location: 19					Location:				
Add Fuse:					Add Fuse:				
Best Wiring Locatio	on		Route to Batte	erv	1	Fusebox L	ocation		
21 lamp			Under seat: 10						
Choose power	er source careful	ly. On cars	with power ma	nagement (ID	by battery condition	n in display	/) do not go t	o the b	attery.
Fitting times, etc. N	lotes								
From 2003 :Full 7-wa	y bypass req:TF2	217							
Warning: do not inter	fere with the front	end relays.							
Citroen kit bypasses	indicators. TF110I	R (2-way by	pass with telltale	e). See reverse	also.				
Fuse: indicator fuse is	s under bonnet.								
					y correct wire in lo ee SmartCAN Data		1	2	3
Lights	Vehicle Wire C	olours	Alternat	ive	L	ocation	7	5	•
LH Flasher	Yellow						-		, , , , , , , , , , , , , , , , , , ,
Fog Light	Orange		Grey?				10	11	12
RH Flasher	White								\square
RH Side Light	Beige						13	14	15
Brake Light	Grey		Orange						
LH Side Light	Pink						16	17	18
Reverse			Bypass				-		

Quality, Service, Innovation

7-Core Entry Point		Longer 7	Core Cable	If T	Bypass Recommer F2302, see SmartC		Other I	Rela	y Reco	mende
19				TF2218/	7SMARTLOGIC					
Automatic Trailer Fl	asher Monitor	Reversin	g Sensor		Cut Out Switch, e	etc.	Mfr's T	owii	na Plu	a
			<u> </u>		,				3	3
ind Constant Live					Find Ignition-Swi	tched Live				
					Colour:					
Colour: Location: 19					Location:					
	Eomn				Add Fuse:					
Add Fuse: Slot 1, 1	эапір				Auu Fuse.					
Best Wiring Locatio	on .		Route to Batter	y		Fusebox Lo	cation			
21			Under seat: 10			Dash, R/H (1	12)			
Fitting times, etc. N Varning: do not inter		end relays								
					fy correct wire in losee SmartCAN Data		_ _	1 4	2	3
Lights	Vehicle Wire C	olours	Alternativ	re e	L	ocation	▗▕▐▎	7	8	9
LH Flasher	Yellow						╛┸	\dashv		
Fog Light	Lilac		-			21		10	11	12
RH Flasher	White						_	\rightarrow		
RH Side Light	Beige		2004 Red					13	14	15
Brake Light	Grey		2004 Blue	<u> </u>						
LH Side Light	Pink		2004 Red				▮▮	16	17	18
Reverse	White		2004 Blue	· ———			-		20	21

Quality, Service, Innovation

7-Core Entry Point		Longer 7	Core Cable	If	Bypass Recomn TF2302, see Smar		Othe	r Rela	y Reco	omende
				None						
And an adia Toolian E		Bi	. 0		0-10-10-10-1	-1-	B.0.C1	T	DI	
Automatic Trailer F	lasher Monitor	Reversing	Sensor		Cut Out Switch	, etc.	Witr's	IOWI	ng Plu	g
Find Constant Live					Find Ignition-S	witched Live				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Locatio 19	on		Route to Batter	У		Fusebox Lo	ocation	1		
10										
Choose pow	er source careful	ly. On cars	with power man	agement (II	D by battery condi	tion in display)	do no	t go t	o the b	attery.
Fitting times, etc. N	lotes									
Wire positions	and connection i	ooints etc a	re given. Use pro	obe to iden	ify correct wire in	location.				
					see SmartCAN Da			1	2	3
Lights	Vehicle Wire C	Colours	Alternativ	ve		Location		4	5	6
LH Flasher	Blue					15		7	8	9
Fog Light	Red					21		10	11	12
RH Flasher	Blue					19				\square
RH Side Light	Brown/white					19		13	14	15
Brake Light	Brown					19				
LH Side Light	Purple					19 lamp		16	17	18
Reverse							•	19	20	21

Quality, Service, Innovation

7-Core Entry Point		Longer 7 (Core Cable		Bypass Recommer F2302, see SmartC		Other Rela	ay Reco	mended
19/21 Grommets beh	ind lights			None					
Automatic Trailer Fl	asher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's Tow	ing Plu	g
Find Constant Live					Find Ignition-Swit	tched Live			
Colour:					Colour:				
Location:					Location:				
Add Fuse:					Add Fuse:				
7.00 1 050.					7.44.7.455.				
Best Wiring Locatio	n		Route to Battery			Fusebox Lo	cation		
Choose power Fitting times, etc. N		y. On cars	with power manage	ement (ID	by battery conditio	n in display)	do not go t	o the b	attery.
	and connection p								
1116561			re given. Use probe lay. For TF2302 Sm				1	2	3
Lights		j bypass re			ee SmartCAN Data		4	5	3 6
	notes relate fitting	j bypass re	lay. For TF2302 Sm		ee SmartCAN Data	1			3 6 9
Lights	Vehicle Wire C	j bypass re	lay. For TF2302 Sm		ee SmartCAN Data	1	4	5	3 6 9
Lights LH Flasher	Vehicle Wire C White	j bypass re	lay. For TF2302 Sm		ee SmartCAN Data	ocation	4 7	5	6 9
Lights LH Flasher Fog Light	Vehicle Wire C White Red	j bypass re	lay. For TF2302 Sm		ee SmartCAN Data	ocation	4 7	5	6 9
Lights LH Flasher Fog Light RH Flasher	Vehicle Wire C White Red Yellow	j bypass re	lay. For TF2302 Sm		ee SmartCAN Data	ocation	10	5 8 11	6 9
Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire C White Red Yellow Green/white	j bypass re	lay. For TF2302 Sm		ee SmartCAN Data	ocation	10	5 8 11	6 9

Quality, Service, Innovation

Car Data Sheet

Daewoo Lacetti Hatchback 2004 -

7-Core Entry Point	Lor	nger 7 Core Cable	If	Bypass Recomme TF2302, see SmartC	nded CAN data	Other R	elay Rec	omende
19 Grommet			None					
Automatic Trailer Fl	asher Monitor Re	versing Sensor		Cut Out Switch, e	etc.	Mfr's To	wing Plu	nd
				,		19 Multik		
Find Constant Live				Find Ignition-Swi	itched Live			
Colour:				Colour:				
Location:				Location:				
Add Fuse:				Add Fuse:				
Auu i use.				Add I use.				
Best Wiring Location	n	Route to Ba	ttery		Fusebox L	ocation		
19 Multiblock								
Choose power	er source carefully. O	n cars with power m	nanagement (I	D by battery condition	on in display	/) do not go	to the l	oattery.
Fitting times, etc. N	lotes							
Fog wire found in sep								
	and connection point notes relate fitting by					_ 1	2	3
		-				- 4	5	6
Lights	Vehicle Wire Color	urs Altern	ative	L	ocation.	7	8	9
LH Flasher	Light blue					_ 7-		
Fog Light	Red	See N	ote above			11	11	12
RH Flasher	Dark blue					_ -		+-
RH Side Light	Green/white					- 1:	1 14	15
Brake Light	Yellow							
LH Side Light	Purple					10	17	18
Reverse						_		

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Quality, Service, Innovation

Reverse

ai Data Office						2401100	– u	•	Jaio	••••
7-Core Entry Point		Longer 7	Core Cable	If 7	Bypass Recomme F2302, see SmartC		Othe	r Rela	y Rec	omend
19				None						
Automatic Trailer Fl	lasher Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	ıg
										<u> </u>
Find Constant Live					Find Ignition-Sw	itched Live				
Colour:					Colour:					
Location: 19					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Location	on		Route to Batter	У		Fusebox L	.ocation)		
Choose power	er source careful	ly. On cars	with power man	agement (ID	by battery condition	on in display	/) do no	t go to	the b	attery.
Fitting times, etc. N										
Fog light and reverse					e rear quarter panel.	•				
Negative reverse: us	e TF1011 to earth	switch it. (S	see Practical Guid	le)						
					fy correct wire in lo see SmartCAN Data			1	2	3
Lights	Vehicle Wire C	Colours	Alternativ	ve	L	ocation_		7	5	9
LH Flasher	Light blue							\vdash		,
Fog Light	Red		1 of 4			13		10	11	12
RH Flasher	Blue							\vdash		\vdash
RH Side Light	Brown							13	14	15
Brake Light	Brown/black									
LH Side Light	Brown/white							16	17	48

Ryder Towing Equipment Ltd

Quality, Service, Innovation

Car Data Sheet

Daewoo Leganza Saloon 1997 -

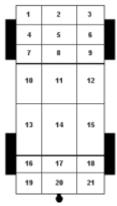
7-Core Entry Point		Longer 7 C	Core Cable		Bypass Recommer F2302, see SmartC		Othe	r Rela	y Reco	menc	led
Centre rear				None							
Automatic Trailer F	lasher Monitor	Reversing	Sansor		Cut Out Switch, e	tc	Mfr's	Towi	ng Plu	a	
	idaniei Monitoi	Reversing	Jenson		Cut Out Switch, e		WIII 3	1000	ilg i lu	9	
Find Constant Live					Find Ignition-Swi	ched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	on		Route to Battery		1	Fusebox Lo	cation	ı			
19 Multiblock											
Choose power Fitting times, etc. N		y. On cars v	with power mana	gement (ID	by battery conditio	n in display)	do no	t go to	the b	attery	
	and connection p										
	notes relate fitting	g bypass re	lay. For TF2302 S	martCAN, s	y correct wire in lo ee SmartCAN Data	l	_	1 4	2	3	
Lights	Vehicle Wire C	g bypass re		martCAN, s	ee SmartCAN Data					3 6 9	
	notes relate fitting	g bypass re	lay. For TF2302 S	martCAN, s	ee SmartCAN Data	l		4	5	3 6 9	
Lights	Vehicle Wire C	g bypass re	lay. For TF2302 S	martCAN, s	ee SmartCAN Data	l		4	5	3 6 9	
Lights LH Flasher	Vehicle Wire C	g bypass re	lay. For TF2302 S	martCAN, s	ee SmartCAN Data	l		7	5	6 9	
Lights LH Flasher Fog Light	Vehicle Wire C Light blue Red	g bypass re	lay. For TF2302 S	martCAN, s	ee SmartCAN Data	l		7	5	6 9	
Lights LH Flasher Fog Light RH Flasher	Vehicle Wire C Light blue Red Dark blue	g bypass re	lay. For TF2302 S	martCAN, s	ee SmartCAN Data	l		4 7 10	5 8	9	
Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire C Light blue Red Dark blue Brown/white	g bypass re	lay. For TF2302 S	martCAN, s	ee SmartCAN Data	l		4 7 10	5 8	9	

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Quality, Service, Innovation

Sar Data Sne	et				Daewoo Mu	isso i u	rbo D	iese	ei 4V\	<i>ו</i> ט 1	999 -
7-Core Entry Point		Longer 7 Co	re Cable		Bypass Recommei F2302, see SmartC		Other	r Rela	y Reco	omeno	led
21 Grommet				None							
Automatic Trailer F	Flasher Monitor	Reversing Se	ensor		Cut Out Switch, e	etc.	Mfr's	Towi	ng Plu	g	
							21 Re	ear po	cket		
Find Constant Live	1				Find Ignition-Swi	tched Live	·				
Colour:					Colour:						
Location: Battery	,				Location:						
Add Fuse:					Add Fuse:						
Best Wiring Locati	on	R	oute to Battery			Fusebox I	ocation				
Dest Willing Lood.	<u> </u>		oute to Buttery			Footwell R					
Choose pow	ver source careful	lly. On cars wit	th power manag	ement (ID	by battery conditio	n in displa	y) do not	go to	o the b	attery	
Fitting times, etc.	Notes										
7-core entry O/S rea	ar (Grommet cover	ed in sticky sea	lant on panel wal	l.)							
Power supply: Take	power from fusebo	ox in driver foot	well; accessory s	ocket, N/S	rear, only rated 10 a	imps.					
Fog and reverse in t	ailgate: pull back N	NS rear boot trir	n, prise out grom	met above	NS tailgate strut to a	access wires	s.O/S wir	es un	der O/S	S door	step
					y correct wire in lo see SmartCAN Data			1	2	3	
Lights	Vehicle Wire (Colours	Alternative		L	ocation		7	5	9	
LH Flasher	White									,	
Fog Light	Red		See Note at	oove		19		10	11	12	
RH Flasher	Yellow										
RH Side Light	Green/white									4.5	

Lights	Vehicle Wire Colours	Alternative	Location
LH Flasher	White		
Fog Light	Red	See Note above	19
RH Flasher	Yellow		
RH Side Light	Green/white		
Brake Light	Green/yellow		
LH Side Light	Green/white		
Reverse	Red/green		



Quality, Service, Innovation

Reverse

Green

ar Data Snee	τ				Daewoo Nuk	oira Esta	ate/vv	ago	n La	ite 20
7-Core Entry Point		Longer 7 C	ore Cable	If T	Bypass Recommer F2302, see SmartC		Other	Rela	y Reco	omende
19 Drill behind lamp				None						
Automatic Trailer FI	asher Monitor	Reversing S	Sensor		Cut Out Switch, e	etc.	Mfr's	Towir	ng Plu	g
Find Constant Live					Find Ignition-Swi	tched Live				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Locatio	n		Route to Battery	/		Fusebox L	_ocation			
19		I	Bulkhead LH (ha	rness gromn	net)					
Choose power	er source carefully	. On cars w	vith power mana	agement (ID	by battery condition	n in displa	y) do not	go to	the b	attery.
Fitting times, etc. N	lotes									
Wiring: Bring opposite	e flasher and tail lig	ht leads acr	oss to connection	n point						
Panel lamp fitted: act	ivate with TF2001	or TF2100T	if wired.							
					fy correct wire in lo see SmartCAN Data		_	1	2	3
Lights	Vehicle Wire Co	olours	Alternativ	'e	1	ocation	╗╻	4	5	6
LH Flasher	33.		7.110.11411				┪	7	8	9
Fog Light	Red							10	11	12
RH Flasher	Blue					12		\square		Ш
RH Side Light	Brown/white					12		13	14	15
Brake Light	Yellow									
LH Side Light	Purple							16	17	48

Ryder Towing Equipment Ltd

Quality, Service, Innovation

Car Data Sheet

Daewoo Nubira Saloon Late 1999 -

7-Core Entry Point		Longer 7 C	ore Cable		Bypass Recommer F2302, see SmartC		Other Rela	y Reco	mended
				None					
Automatic Trailer F	asher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's Towi	ng Plu	q
					,	· ·		J	<u> </u>
Find Constant Live					Find Ignition-Swit	ched Live			
Colour:					Colour:				
Location:					Location:				
Add Fuse:					Add Fuse:				
Add i use.					Add 1 d3C.				
Best Wiring Location	n		Route to Battery			Fusebox Lo	ocation		
Choose power Fitting times, etc. N		y. On cars w	vith power manage	ement (ID	by battery conditio	n in display)) do not go t	o the b	attery.
		oints etc are							-
	notes relate fitting				y correct wire in lo ee SmartCAN Data		1	2	3
Lights	Vehicle Wire Co	bypass rela			ee SmartCAN Data		4 7	5	3 6
		bypass rela	ay. For TF2302 Sm		ee SmartCAN Data		4	5	3 6 9
Lights	Vehicle Wire Co	bypass rela	Alternative		ee SmartCAN Data		4	5	3 6 9
Lights LH Flasher	Vehicle Wire Co	bypass rela	Alternative		ee SmartCAN Data		7	5	6
Lights LH Flasher Fog Light	Vehicle Wire Co Blue Red	bypass rela	Alternative Pale		ee SmartCAN Data		7	5	6
Lights LH Flasher Fog Light RH Flasher	Vehicle Wire Co Blue Red Blue	bypass rela	Alternative Pale Bright		ee SmartCAN Data		10	5 8 11	6 9
Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire Co Blue Red Blue Brown/white	bypass rela	Alternative Pale Bright		ee SmartCAN Data		10	5 8 11	6 9

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Quality, Service, Innovation

Light green/black

Reverse

ai Data Office						Dacwoo		u	u	• -
7-Core Entry Point		Longer 7 C	Core Cable	If 7	Bypass Recomme F2302, see Smart0		Other	Rela	y Reco	mend
9 Grommet in floor	behind trim			None						
Automatic Trailer Fl	lasher Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	g
					·					
ind Constant Live					Find Ignition-Sw	itched Live				
Colour:					Colour:					
Location: Fusebox	v.				Location:					
Add Fuse:	^				Add Fuse:					
Best Wiring Location	on		Route to Batter	ry		Fusebox Lo	cation			
9						Footwell LH				
Choose power	er source careful	ly. On cars v	with power man	agement (ID	by battery condition	on in display)	do not	go to	the b	attery.
Fitting times, etc. N										
Viring: Bring opposit				on point						
Panel lamp fitted: act	tivate with TF2001	or TF2100T	if wired.							
					fy correct wire in lo see SmartCAN Dat			1	2	3
Lights	Vehicle Wire C	olours	Alternati	ve	ı	_ocation		7	5	-
LH Flasher	Blue		1 of 4				-	-		-
Fog Light	Light blue				Spur	off main loom		10	11	12
RH Flasher	White									\sqcup
RH Side Light	Mauve							13	14	15
Brake Light	Brown									
LH Side Light	Mauve							16	17	48

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Quality, Service, Innovation

7-Core Entry Point		Longer 7 (Core Cable		Bypass Recommer F2302, see SmartC		Othe	r Rela	y Reco	omende
				None						
Automatic Trailer F	lasher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's	Towi	ng Plu	g
ind Constant Live					Find Ignition-Swi	tched Live				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
7.00 1 000.										
Best Wiring Location	on		Route to Battery	y		Fusebox L	ocation			
Wire positions	and connection p	points etc ar	re given. Use pro	bbe to identif	e polarity of the car's	cation.		1	2	3
Inese	notes relate fittin	g bypass re	lay. For 1F2302	SmartCAN, s	ee SmartCAN Data	l		4	5	-
Lights	Vehicle Wire C	Colours	Alternativ	re	L	ocation		7	8	9
LH Flasher								·		-
Fog Light								10	11	12
RH Flasher								\vdash		
RH Side Light								13	14	15
Brake Light										
LH Side Light								16	17	18
Reverse							_	40	20	24

Quality, Service, Innovation

Car Data Sheet

Daihatsu Grand Mare All 2002 -

7-Core Entry Point		Longer 7 Co	re Cable		Bypass Recommer F2302, see SmartC		Other	Rela	y Reco	mend	ed
21 Grommet				None							
Automatic Trailer Flas	sher Monitor	Reversing S	ensor		Cut Out Switch, e	etc.	Mfr's	Towi	ng Plu		
					,						-
Find Constant Live					Find Ignition-Swi	tched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Add Fuse.					Add I use.						
Best Wiring Location		F	Route to Battery			Fusebox Lo	cation				
						Kick panel F	RH				
Choose power	source carefully	. On cars wi	ith power manag	ement (ID	by battery conditio	n in display)	do not	ao ta	the b	atterv	
Fitting times, etc. No						,,		90			
Fitting times, etc. No	ies										
Wire positions an	nd connection po	ints etc are	given. Use prob	e to identif	y correct wire in lo	cation.		1	2	1	
Wire positions an These no	nd connection po tes relate fitting	oints etc are bypass rela	given. Use probe y. For TF2302 Sn	e to identif nartCAN, s	y correct wire in lo ee SmartCAN Data	cation.		1	2	3	1
Wire positions an These no Lights	d connection po tes relate fitting Vehicle Wire Co	bypass rela	given. Use prob y. For TF2302 Sn Alternative	e to identif nartCAN, s	see SmartCAN Data	cation.		4	5	3 6	
These no	tes relate fitting	bypass rela	y. For TF2302 Sn	e to identif nartCAN, s	see SmartCAN Data	1				3 6 9	
These no	tes relate fitting Vehicle Wire Co	bypass rela	y. For TF2302 Sn	e to identif nartCAN, s	see SmartCAN Data	1		4	5	3 6 9	1
These no Lights LH Flasher	Vehicle Wire Co Green/yellow	bypass rela	y. For TF2302 Sn	e to identif nartCAN, s	see SmartCAN Data	1		7	5	6	1
These no Lights LH Flasher Fog Light	Vehicle Wire Co Green/yellow Red/yellow	bypass rela	y. For TF2302 Sn	e to identif nartCAN, s	see SmartCAN Data	1		10	5 8	6 9	
These no Lights LH Flasher Fog Light RH Flasher	Vehicle Wire Co Green/yellow Red/yellow Green	bypass rela	y. For TF2302 Sn	e to identif nartCAN, s	see SmartCAN Data	1		7	5	6 9	
These no Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire Co Green/yellow Red/yellow Green Red/black	bypass rela	y. For TF2302 Sn	e to identif nartCAN, s	see SmartCAN Data	1		10	5 8	6 9	

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Quality, Service, Innovation

-Core Entry Point		Longer 7 C	ore Cable		Bypass Recommen F2302, see SmartC		Other I	Rela	y Reco	mended
Grommet: number pl	ate light	2m								
Automatic Trailer F	asher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's T	owi	ng Plu	g
										=
Find Constant Live		I.			Find Ignition-Swit	ched Live				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Location	on .		Route to Battery			Fusebox Lo	ocation			
20, 21										
Chassa naw		h. On agra v	with manyor manage	mont (ID)	ny battany aonditia	a in diamle.	da nati	1	46a 6	
Fitting times, etc. N		iy. On cars v	vith power manage	ment (ID	by battery condition	ı in dispiay	do not (jo to	the b	attery.
rung umos, etc. I	10103									
		oints atc ar								
These			e given. Use probe			cation.	Г	.	_	
	notes relate fittin		e given. Use probe ay. For TF2302 Sm			cation.		1	2	3
Lights	Vehicle Wire C	g bypass rel			ee SmartCAN Data	cation.	-	4	5	6
Lights LH Flasher		g bypass rel	ay. For TF2302 Sm		ee SmartCAN Data			-		6 9
	Vehicle Wire C	g bypass rel	ay. For TF2302 Sm		ee SmartCAN Data	ocation		4	5	3 6 9
LH Flasher	Vehicle Wire C	g bypass rel	ay. For TF2302 Sm		ee SmartCAN Data	ocation 19		7	5	3 6 9
LH Flasher Fog Light	Vehicle Wire C Green Red/black	g bypass rel	ay. For TF2302 Sm		ee SmartCAN Data	19 20		7	5	3 6 9 12
LH Flasher Fog Light RH Flasher	Vehicle Wire C Green Red/black Green	g bypass rel	ay. For TF2302 Sm		ee SmartCAN Data	19 20 21		7 10	5 8 11	
LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire C Green Red/black Green Red/blue	g bypass rel	ay. For TF2302 Sm		ee SmartCAN Data	19 20 21 20		7 10	5 8 11	

Quality, Service, Innovation

Car Data Sheet

Daihatsu Terios All Late 2002 -

7-Core Entry Point		Longer 7	Core Cable	If T	Bypass Recomme F2302, see Smart0		Other	Rela	y Reco	omend	ed
21 Grommet rear floo	r			None							
Automatic Trailer Fla	asher Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's	Γowi	ng Plu	q	
			•								
Find Constant Live					Find Ignition-Sw	itched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	n		Route to Battery			Fusebox L	ocation				
Choose powe	r source careful	y. On cars	with power manag	ement (ID	by battery condition	on in display) do not	go to	the b	attery.	
Fitting times, etc. N	otes										
			re given. Use probe elay. For TF2302 Sr				•	1	2	3	
Lights	Vehicle Wire C	olours	Alternative		l	_ocation		7	5	9	
LH Flasher	Green							-		,	-
Fog Light	Red/black					B9		10	11	12	
RH Flasher	Green									\vdash	
RH Flasher RH Side Light	Green Red/white							13	14	15	
								13	14	15	1
RH Side Light	Red/white							13	14	15	I

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Quality, Service, Innovation

7-0	Core Entry Point	Lo	nger 7 Co	re Cable		Bypass Recomme F2302, see SmartC		Othe	er Rela	y Reco	mend	ed
					None							
Au	tomatic Trailer Flash	ner Monitor Re	versing S	ensor		Cut Out Switch, e	etc.	Mfr's	s Towi	ng Plu	g	
Fir	nd Constant Live					Find Ignition-Swi	tched Live					
	Colour:					Colour:						
L	Location:					Location:						
Α	dd Fuse:					Add Fuse:						
Be	est Wiring Location		R	oute to Battery			Fusebox L	ocation	1			
Fi	Choose power setting times, etc. Note	<u>,</u>	n cars wi	th power manag	gement (ID	by battery condition	n in display) do no	ot go t	o the b	attery	
	ring: Main wiring loom nove when towbar is fi		ehind bum	per. It is easier to	o wire the el	ectrics before fitting	the towbar, a	as bum	per is	very dif	ficult to)
	Wire positions and	connection poin	ts etc are	given Use prob	ne to identif	iv correct wire in lo	cation					
						see SmartCAN Data			1	2	3	
	Lights V	ehicle Wire Colo	urs	Alternative)	L	ocation		4	5	6	
	LH Flasher	Green/black						_	7	8	9	-
	Fog Light R	Red/black							10	11	12	
	RH Flasher G	Green							\vdash		Ш	
	RH Side Light R	Red/blue							13	14	15	
	Brake Light G	Green/yellow										
	LH Side Light	Red/blue							16	17	18	
	Reverse G	Green/white							19	20	21	
									10	2.0	1 2 1	

Quality, Service, Innovation

7-Core Entry Point		Longer 7 Cor	e Cable		Bypass Recommer F2302, see SmartC		Other	Rela	y Reco	omende
				TF2218/7	'SMARTLOGIC					
Automatic Trailer Fl	asher Monitor	Reversing Se	ensor		Cut Out Switch, e	tc.	Mfr's	Towi	ng Plu	a
										<u> </u>
Find Constant Live					Find Ignition-Swit	ched Live				
					Colour:	orica Live				
Colour:										
Location: 19 lamp					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Locatio	on .	Ro	oute to Battery			Fusebox L	ocation			
Fitting times, etc. N		ly. On cars wit	h power manage	ement (ID	by battery conditio	n in display) do not	go to	o the b	attery.
1.5hrs										
Wire positions : These :	and connection p	ooints etc are ç g bypass relay	given. Use probe v. For TF2302 Sm	to identif	y correct wire in lo ee SmartCAN Data	cation.	_	1	2	3
Lights	Vehicle Wire C	colours	Alternative		L	ocation	╗╻	4	5	6
LH Flasher	Green/black						▝	7	8	9
Fog Light	White/dark gree	en						10	11	12
RH Flasher	White/yellow									Ш
RH Side Light	White/black							13	14	15
Brake Light	White/orange									"
LH Side Light	White/purple							16	17	18
Reverse	White/green						-		28	

Quality, Service, Innovation

7-Core Entry Point		Longer 7	Core Cable		Bypass Re If TF2302, see	ecommended SmartCAN		Othe	r Rela	y Reco	omen	de
				TF22	18/7SMARTLO	OGIC						
Automatic Trailer F	lasher Monitor	Reversing	Sensor		Cut Out	Switch, etc.		Mfr's	Towi	ng Plu	g	
ind Constant Live					Find Igni	ition-Switche	d Live					
Colour: Blue/pin	ık				Cold	our:						
Location: 16					Locati	ion:						
Add Fuse: 10 amps	s at accessory sock	et			Add Fu	ıse:						
Best Wiring Location	on		Route to Batter	v		Fu	sebox Loc	ation				
6			Grommet LH bu			Un	der bonnet	LH				
Fitting times, etc. N	lotes											_
	and connection po						on.		1	2	3	1
					it, see omane			,	4	5	6	1
Lights	Vehicle Wire Co	lours	Alternati	ve		Locat			7	8	9	۱
LH Flasher	White/green					19		-	\Box			1
Fog Light	White/orange					Bum	per		10	11	12	
RH Flasher	White/yellow					21			\vdash			1
RH Side Light	White/purple					21			13	14	15	
Brake Light	Green/white					19)					
LH Side Light	White/brown					19)		16	17	18	١
Reverse	White/light green					16-17 under	headlining		19	20	21	f

Quality, Service, Innovation

7-Core Entry Point		Longer 7	Core Cable	l	Bypass Recomm f TF2302, see Smar		Othe	r Rela	ay Reco	omen
		2m		TF221	18/7SMARTLOGIC					
Automatic Trailer F	lasher Monitor	Reversing	g Sensor		Cut Out Switch	, etc.	Mfr's	Tow	ing Plu	ıg
						•				
Find Constant Live					Find Ignition-S	witched Live				
Colour:					Colour:					
Location: Battery					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Location	on		Route to Batter	ry		Fusebox I	_ocatior	1		
19			Battery (through	bulkhead I	by)					
		lly. On cars	with power man	nagement (ID by battery condi	tion in displa	y) do no	t go t	o the b	attery
Fitting times, etc. N	lotes									
Wire positions	and connection i	points etc a	are given. Use pr	obe to ider	ntify correct wire in	location.				
					I, see SmartCAN Da			1	2	3
Lights	Vehicle Wire (Colours	Alternati	ve		Location		4	5	6
LH Flasher	White/green		1 of 4			19		7	8	9
Fog Light	White/orange					19		10	11	12
RH Flasher	White/orange					21				_
RH Side Light	White/purple					21		13	14	15
Brake Light	Dark green/wh	ite	1 of 4			19				
LH Side Light	White/light gree	en	1 of 4			19		16	17	18
Reverse	White/green		1 of 4			19				

Quality, Service, Innovation

Car Data Sheet Fiat 4 x 4 cross - 2008 -

-Core Entry Point		Longer 7 Co	re Cable		Bypass Recomme F2302, see SmartC		Othe	r Rela	y Reco	omeno	led
Grommet: number pl	ate light			TF2218/	7SMARTLOGIC		TF22	18/7S	MARTI	_OGIC	;
Automatic Trailer F	lasher Monitor	Reversing S	ensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	g	
ind Constant Live					Find Ignition-Swi	tched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	on	R	oute to Battery			Fusebox L	ocation	1			
9/21			•			9					
Fitting times, etc. N	Notes										_
					y correct wire in lo ee SmartCAN Data			1	2	3	
Lights	Vehicle Wire C	olours	Alternative		L	ocation		4	5	6	ı
LH Flasher	White/red					19	_	Ľ-		,	┍
Fog Light	Purple					21		10	11	12	
RH Flasher	Grey/green					21		\vdash			
RH Side Light	Red					21		13	14	15	
Brake Light	Yellow/black					21					
LH Side Light	Blue/brown					19		16	17	18	
Reverse	Green					21		19	20	24	F

Quality, Service, Innovation

		Longer 7 Co	re Cable		Bypass Recommend F2302, see SmartCA		Other Rela	ay Reco	mended
				None					
Automatic Trailer Flas	sher Monitor	Reversing S	ensor		Cut Out Switch, etc	 C.	Mfr's Tow	ing Plu	g
Find Constant Live					Find Ignition-Switch	hed Live			
Colour:					Colour:				
Location:					Location:				
Add Fuse:					Add Fuse:				
Best Wiring Location			Route to Battery			Fusebox Lo	eation		
Choose power	source carefull	y. On cars wi	ith power manage	ement (ID	by battery condition	in display)	do not go t	o the b	attery.
Fitting times, etc. No	tes								
Wire positions ar	nd connection p	oints etc are	given. Use probe	e to identif	y correct wire in loc	ation.			
					y correct wire in loc ee SmartCAN Data	ation.	1	2	3
These no		g bypass rela			ee SmartCAN Data	ation.	4	5	6
	otes relate fitting	g bypass rela	y. For TF2302 Sm		ee SmartCAN Data				3 6 9
These no	Vehicle Wire C	g bypass rela	y. For TF2302 Sm		ee SmartCAN Data		4	5	6
These no	Vehicle Wire C	g bypass rela	y. For TF2302 Sm		ee SmartCAN Data		7	5	6 9
Lights LH Flasher Fog Light	Vehicle Wire C Blue/black Grey/black	g bypass rela	y. For TF2302 Sm		ee SmartCAN Data		7	5	6 9
Lights LH Flasher Fog Light RH Flasher	Vehicle Wire C Blue/black Grey/black Blue	g bypass rela	y. For TF2302 Sm		ee SmartCAN Data		10	5 8 11	6 9
Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire C Blue/black Grey/black Blue Yellow/red	g bypass rela	y. For TF2302 Sm		ee SmartCAN Data		10	5 8 11	6 9

Quality, Service, Innovation

Car Data Sheet Fiat Bravo All 2008

Sai Dala Silet	ŧl.						гіа	LDI	avo	AII 2	.006 -
7-Core Entry Point		Longer 7 C	ore Cable	If -	Bypass Recomme F2302, see Smart0		Othe	r Rela	y Rec	omeno	led
				TF2218	/7SMARTLOGIC						
Automatic Trailer F	lasher Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	ıq	
					,				<u> </u>	<u> </u>	
Find Constant Live					Find Ignition-Sw	itched Live					
Colour:					Colour:						
Location: Fusebo	v				Location:						
Add Fuse:	^				Add Fuse:						
Best Wiring Location	on		Route to Battery	v		Fusebox Lo	ocation	1			
21						Glove box (behind)			
Choose pow Fitting times, etc. N		. On cars w	vith power mana	agement (IC	by battery condition	on in display) do no	t go t	o the b	attery	•
					ify correct wire in lo see SmartCAN Data			1 4	2	3	
Lights	Vehicle Wire Co	lours	Alternativ	re	L	ocation		7	8	9	
LH Flasher	Blue/white					19	_	Ė	-	,	•
Fog Light	Brown/grey					21		10	11	12	
RH Flasher	Blue/black					21		\vdash			
RH Side Light	Yellow/black					21		13	14	15	
Brake Light	Green/yellow					21					
LH Side Light	Yellow/red					19		16	17	18	
Reverse	Grey/black					21					-

Quality, Service, Innovation

Car Data Sheet Fiat Bravo QX 2001 -

ai Data Officet						i iai bi	410 (X/ 20
7-Core Entry Point	Longe	r 7 Core Cable		ypass Recommend 2302, see SmartCA		Other Rela	ay Reco	omende
			TF2218/75	SMARTLOGIC				
Automatic Trailer Flash	er Monitor Revers	sing Sensor		Cut Out Switch, et	с.	Mfr's Tow	ing Plu	g
Find Constant Live				Find Ignition-Swite	hed Live			
Colour:				Colour:				
Location:				Location:				
Add Fuse:				Add Fuse:				
Best Wiring Location		Route to Batter	у		Fusebox Lo	ocation		
Choose power s	ource carefully. On c	ars with power man	agement (ID by	y battery condition	in display)	do not go t	o the b	attery.
Fitting times, etc. Note	s							
Bypass: single fuse for ig	nition, indicators, brak	e, fog and sidelights.	Use TF2218/7I	_OGIC				
	connection points e				ation.	1	2	3
These note	es relate fitting bypas	s relay. For TF2302	SmartCAN, se	e SmartCAN Data				
Lights V	ehicle Wire Colours	Alternativ	ve	Lo	cation	7	5	9
LH Flasher		Bypass					•	
Fog Light		Bypass				10	11	12
RH Flasher		Bypass						\square
RH Side Light		Bypass				13	14	15
Brake Light		Bypass						

Bypass

LH Side Light Reverse

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7-Core Entry Point		Longer 7 Co	re Cable		Bypass Recommer F2302, see SmartC		Othe	r Rela	y Reco	menc	ed
Grommet: number pla	ate light			TF2218/7	'SMARTLOGIC						
Automatic Trailer Fla	asher Monitor	Reversing S	ensor		Cut Out Switch, e	tc.	Mfr's	Towi	ng Plu	a	
		Not affected			,					<u> </u>	
Find Constant Live					Find Ignition-Swi	tched Live					
					Colour:	.0.104 2.170					
Colour:											
Location: 21					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	n	R	oute to Battery			Fusebox Lo	ocation				
19/21	•		outo to Buttory			12	Journo.				
Choose nowe	er source carefull	v On cars wi	th nower manage	ement (ID)	by battery condition	n in display	do no	t ao ta	the h	atterv	
Fitting times, etc. N		y. On ours wi	power manage	oment (ID	by buttery contains	ii iii alapiay	, 40 110	. go .			
Fitting times, etc. N	Oles										
1											
Mira positions											
					y correct wire in lo			1	2	3	
					y correct wire in lo ee SmartCAN Data		_	-		3	
		bypass rela			ee SmartCAN Data			1 4	5	3 6	
These n	otes relate fitting	bypass rela	y. For TF2302 Sm		ee SmartCAN Data	l		-	5	3 6 9	
These n	otes relate fitting	bypass rela	y. For TF2302 Sm		ee SmartCAN Data	ocation		-	5	3 6 9	
These n Lights LH Flasher	Vehicle Wire C	bypass rela	y. For TF2302 Sm		ee SmartCAN Data	ocation		7	5	6 9	
Lights LH Flasher Fog Light	Vehicle Wire C	bypass rela	y. For TF2302 Sm		ee SmartCAN Data	ocation 19 16		7	5	6 9	
Lights LH Flasher Fog Light RH Flasher	Vehicle Wire C	bypass rela	y. For TF2302 Sm		ee SmartCAN Data	ocation 19 16 21		4 7 10	5 8	6 9	
Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire C	bypass rela	y. For TF2302 Sm		ee SmartCAN Data	19 16 21		4 7 10	5 8	6 9	

Quality, Service, Innovation

Car Data Sheet Fiat Doblo All 2001

ai Dala Sileel							гіаі	טט	DIO I	411 2	UUI
7-Core Entry Point	L	onger 7 C	Core Cable		Bypass Recommer F2302, see SmartC		Other	Rela	y Reco	omend	led
				None							
Automatic Trailer Flas	her Monitor F	Reversing	Sensor		Cut Out Switch, e	etc.	Mfr's	Towi	ng Plu	g	
Find Constant Live					Find Ignition-Swi	tched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
					1						
Best Wiring Location			Route to Battery	/		Fusebox Lo	cation				-
21											
Choose power s	source carefully.	. On cars v	with power mana	agement (ID	by battery condition	n in display)	do not	go to	o the b	attery	
Fitting times, etc. Note	es										
Power: cables from the	battery run under	the car in	a plastic cover.								
Reverse sensor: towbar	may not affect re	eversing se	nsors.								
Fault condition: if any lig	ihts do not work (brand new	car) check wheth	ner fuses hav	e been left out for sl	nipping.					
Wire positions and These not					y correct wire in lo see SmartCAN Data			1 4	2	3	
Lights	Vehicle Wire Co	lours	Alternativ	e	L	ocation		7	8	9	
LH Flasher	Red/green						_ 7	-		-	
Fog Light	Grey							10	11	12	
RH Flasher	Red									$\vdash \vdash \vdash$	
RH Side Light	Yellow							13	14	15	
Brake Light	Green/yellow					12					
LH Side Light	Yellow/black										

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Reverse

Car Data Sheet Fiat Ducato Van 2001 -

7-Core Entry Point	Longer 7 Core	e Cable		Bypass Recommer F2302, see SmartC		Othe	r Rela	y Reco	meno	led
			None							
And any office Tables Clock on Manufact	B			0.4.0.4.0.334		NAC1-	T	Di		
Automatic Trailer Flasher Monitor	Reversing Se	nsor		Cut Out Switch, e	tc.	Witr's	IOWI	ng Plu	g	
Find Constant Live				Find Ignition-Swit	ched Live					
Colour:				Colour:						
Location:				Location:						
Add Fuse:				Add Fuse:						
Best Wiring Location	Ro	ute to Battery			Fusebox Lo	cation				
Choose power source care	fully. On cars with	n power manag	ement (ID	by battery conditio	n in display)	do no	t go t	the b	attery	•
Fitting times, etc. Notes										
Wire positions and connection	n points etc are g	iven. Use probe	e to identif	y correct wire in lo	cation.				_	1
These notes relate fitt	ting bypass relay.	. For TF2302 Sn	nartCAN, s	ee SmartCAN Data			1	2	3	
Lights Vehicle Wire	e Colours	Alternative		L	ocation		7	5	6	
LH Flasher Blue/black						•	Ļ'		3	•
Fog Light Grey							10	11	12	
RH Flasher Blue							\vdash			
RH Side Light Yellow/black							13	14	15	
Brake Light Red/black										
LH Side Light Yellow							16	17	18	
Reverse						_	19	20	21	

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Car Data Sheet Fiat Ducato Van 2006 -

7-Core Entry Point		Longer 7	Core Cable		Bypass Recomme F2302, see SmartC		Othe	r Rela	y Reco	omen	bet
				TF2218/7	'SMARTLOGIC						
Automatic Trailer F	lacher Meniter	Poversing	Sancar		Cut Out Switch	10	Mfric	Towi	na Dlu	~	
Automatic Trailer F	lasher Monitor	Reversing	Sensor		Cut Out Switch, 6	etC.	IVITE	STOWI	ng Plu	g	
Find Constant Live					Find Ignition-Swi	tched Live					
Colour:					Colour:						
Location: Fusebo	.,				Location:						
	X				Add Fuse:						
Add Fuse:					Add Fuse:						
Best Wiring Location	on		Route to Battery			Fusebox Lo	cation	1			
	-		,			Under bonne	et				
Choose now	er source careful	ly On cars	with nower manag	nement (ID	by battery condition	n in disnlav)	do no	t ao t	n the h	atterv	
Fitting times, etc. I		iy. On oars	with power mana,	gernerit (ID	by buttery contains	iii ulopiuy,	40 110	r go t		uiici y	-
Fitting times, etc. i	votes										
					y correct wire in lo			1	2	3	1
These	notes relate fittin	g bypass re	lay. For TF2302 S	martCAN, s	ee SmartCAN Data	1			5	-	▆
Lights	Vehicle Wire C	olours	Alternative	!	L	ocation		7	8		
LH Flasher	Pink/black						•	Ė	-	,	┍
Fog Light	Brown							10	11	12	
RH Flasher	Pink							\vdash			
RH Side Light	Yellow							13	14	15	
Brake Light	Green										
LH Side Light	Green/yellow							16	17	18	ł
Reverse	White/green							19	20	24	-

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7-Core Entry Point		Longer 7 C	ore Cable		Bypass Recomme F2302, see SmartC		Othe	r Rela	y Reco	meno	led
19 (21 in Estate) Gro	mmet in floor										
Automatic Trailer Fl	asher Monitor	Reversing	Sensor		Cut Out Switch, e	etc.	Mfr's	Towi	ng Plu	g	
										<u>-</u>	
Find Constant Live					Find Ignition-Swi	tched Live					
Colour:					Colour:						
Location: Fusebox	<				Location:						
Add Fuse:					Add Fuse:						
Best Wiring Locatio	en en		Route to Battery		-	Fusebox Lo	cation				
9						Glove box (I	ehind)				
Choose power	er source careful	ly. On cars v	vith power mana	gement (ID	by battery condition	n in display)	do no	t go t	o the b	attery	
Fitting times, etc. N	lotes										
Wire positions	and connection :										
	anu comiection p	points etc are	given. Use prob	oe to identif	y correct wire in lo	cation.					1
					y correct wire in lo see SmartCAN Data			1	2	3	
		g bypass rela		martCAN, s	ee SmartCAN Data			4	5	3	
These r	notes relate fittin	g bypass rela	ay. For TF2302 S	martCAN, s	ee SmartCAN Data	1		<u> </u>		3 6 9	
These r	Vehicle Wire C	g bypass rela	ay. For TF2302 S	martCAN, s	ee SmartCAN Data	1		4	5	3 6 9	
These r Lights LH Flasher	Vehicle Wire C	g bypass rela	ay. For TF2302 S	martCAN, s	ee SmartCAN Data	1		4	5	3 6 9	
Lights LH Flasher Fog Light	Vehicle Wire C Pink Grey	g bypass rela	ay. For TF2302 S	martCAN, s	ee SmartCAN Data	1		4 7 10	5 8		
Lights LH Flasher Fog Light RH Flasher	Vehicle Wire C Pink Grey Pink/black	g bypass rela	ay. For TF2302 S	martCAN, s	ee SmartCAN Data	1		4	5	3 6 9 12	
Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire C Pink Grey Pink/black Yellow/green	g bypass rela	ay. For TF2302 S	martCAN, s	ee SmartCAN Data	1		4 7 10	5 8		

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Car Data Sheet Fiat Idea All 2004 -

7-Core Entry Point		Longer 7 Core Cable			Bypass Recommended If TF2302, see SmartCAN data			Other Relay Recomended			
21				TF2218/7SMARTLOGIC							
Automatic Trailer Flasher Monitor		Reversing Sensor			Cut Out Switch, etc.		Mfr's Towing Plug				
									<u> </u>		
Find Constant Live					Find Ignition-Swi	tched Live					
Colour:					Colour:						-
Location: Battery				Location:							
Add Fuse:				Add Fuse:							
7100 1 000.					7100 7 0001						
Best Wiring Location Route to Batter				1		Fusebox Lo	box Location				
19, 21 Lamps											
Choose power	r source careful	ly. On cars	with power mana	gement (ID	by battery condition	n in display	do no	go to	the b	attery	
Fitting times, etc. No	otes										
Wire positions o	nd connection r	acinto ete e	ro givon Hoo pro	ha ta idantif	y correct wire in lo	aation					
					see SmartCAN Data			1	2	3	_
Lights	Vehicle Wire C	Coloure	Alternative			ocation	- I	4	5	6	
LH Flasher	Grey	Joiours	Aiternative	<u> </u>		ocation	╸┖	7	8	9	
Fog Light	Pink					19	-	10	11	12	
RH Flasher	White					19	-	"			
	White						-				
RH Side Light								13	14	15	_
Brake Light	Grey						- 1				
LH Side Light	Orange/blue							16	17	18	
Reverse	Red/brown					21	┛╶	19	20	21	

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7-Core Entry Point		Longer 7 C	ore Cable		Bypass Recommer F2302, see SmartC		Other Rela	ay Reco	mended
20 Drill in wheel well		4.5m		TF2218/7	'SMARTLOGIC				
Automatic Trailer Flas	her Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's Tow	ing Plu	g
					,				<u>-</u>
Find Constant Live					Find Ignition-Swi	ched Live			
Colour:					Colour:				
Location:					Location:				
Add Fuse:					Add Fuse:				
7.00 1.000.									
Best Wiring Location			Route to Battery			Fusebox Lo	ocation		
Rear seat			Footwell, L/H (gro	mmet)					
Choose power	source carefully	. On cars v	vith power mana	gement (ID I	by battery conditio	n in display) do not go t	o the b	attery.
Fitting times, etc. Not	es								
Wiring: Bring opposite f	lasher and tail lig	ht leads ac	oss to connection	point					
Mina maniting an	d	.:	H	- 4- i-l4i6					
Wire positions and These no	d connection potes relate fitting	oints etc are bypass rel	e given. Use prok ay. For TF2302 S	pe to identify	y correct wire in lo ee SmartCAN Data	cation.	1	2	3
These no	tes relate fitting	bypass rel	ay. For TF2302 S	martCAN, s	ee SmartCAN Data		1 4	2	3
These not	tes relate fitting	bypass rel	e given. Use prot ay. For TF2302 S Alternative	martCAN, s	ee SmartCAN Data	cation. ocation			3 6 9
These not	tes relate fitting Vehicle Wire Co	bypass rel	Alternative	martCAN, s	ee SmartCAN Data		4	5	3 6 9
Lights LH Flasher Fog Light	tes relate fitting Vehicle Wire Co Blue/black Grey	bypass rel	ay. For TF2302 S	martCAN, s	ee SmartCAN Data		7	5	6 9
Lights LH Flasher Fog Light RH Flasher	tes relate fitting Vehicle Wire Co Blue/black Grey Blue	bypass rel	Alternative	martCAN, s	ee SmartCAN Data		10	5 8 11	6 9
Lights LH Flasher Fog Light RH Flasher RH Side Light	tes relate fitting Vehicle Wire Co Blue/black Grey Blue Red/yellow	bypass rel	Alternative Bypass	martCAN, s	ee SmartCAN Data		7	5	6 9
Lights LH Flasher Fog Light RH Flasher RH Side Light Brake Light	tes relate fitting Vehicle Wire Co Blue/black Grey Blue	bypass rel	Alternative	martCAN, s	ee SmartCAN Data		10	5 8 11	6 9

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LH Side Light

Reverse

Yellow/black

White

7 Cara Entru Baint		Longer 7 Co	vro Coble		unana Bacamman di	nd	O+b	Dele	, Daga	mend
-Core Entry Point		Longer 7 Co	ore Cable		ypass Recommendo 2302, see SmartCAN		Otner	кеіа	у кесс	omendo
9 Grommet in floor				Some fitter	rs use 7-way GIC/2218					
Automatic Trailer F	lasher Monitor	Reversing S	ensor		Cut Out Switch, etc.	•	Mfr's	Towi	ng Plu	g
ind Constant Live					Find Ignition-Switch	ned Live				
Colour:					Colour:					
Location: See not	e				Location:					
Add Fuse:					Add Fuse:					
Best Wiring Location	on	F	Route to Battery		F	usebox Lo	cation			
19 Lamp			-							
Choose power	er source carefull	y. On cars w	ith power manag	ement (ID by	y battery condition i	n display)	do not	go to	the b	attery.
Fitting times, etc. N	lotes									
Power supply at sock	cet in N/S rear trim	panel								
Wiring: Bring opposit	e flasher and tail li	ght leads acro	oss to connection	point						
Wire positions	and connection n	oints etc are	aiven. Use prob	e to identify	correct wire in loca	tion.	_			
					e SmartCAN Data			1	2	3
Lights	Vehicle Wire C	olours	Alternative		Loc	ation	┑▋	4	5	6
LH Flasher	Blue/black				200		┪	7	8	9
							- I	10	11	12
	Grev/red							10	11	12
Fog Light RH Flasher	Grey/red Blue					21	- [12
Fog Light	,					21		13	14	15

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		Longer 7	Core Cable		Bypass Recommer F2302, see SmartC		Other	Rela	y Reco	omeno	led
				TF2218/7	7SMARTLOGIC						
Automatic Trailer Fl	lasher Monitor	Reversing	g Sensor		Cut Out Switch, e	tc.	Mfr's	Towi	ng Plu	g	
			-							<u>-</u>	
Find Constant Live					Find Ignition-Swi	tched Live	1				
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	on		Route to Batter	ry		Fusebox L	ocation.				
19/21											
Choose power	er source carefu	Ily. On cars	with power man	agement (ID	by battery conditio	n in display	/) do not	go to	the b	attery	
Fitting times, etc. N											
Fitting times, etc. N Wiring: Main wiring lo remove when towbar	oom and cable en	try behind b	umper. It is easier	to wire the el	ectrics before fitting	the towbar,	as bump	er is v	ery dif	ficult t	0
Wiring: Main wiring lo	oom and cable en	itry behind b	umper. It is easier	r to wire the el	ectrics before fitting	the towbar,	as bump	er is v	ery dif	ficult t	0
Wiring: Main wiring lo	oom and cable en	itry behind b	umper. It is easier	r to wire the ele	ectrics before fitting	the towbar,	as bump	er is v	ery dif	ficult t	0
Wiring: Main wiring lo remove when towbar	oom and cable en r is fitted first.	points etc a	are given. Use pro	obe to identif	y correct wire in lo	cation.	as bump				0
Wiring: Main wiring lo remove when towbar	oom and cable en r is fitted first.	points etc a	are given. Use pro	obe to identif		cation.	as bump	1	2	ficult t	0
Wiring: Main wiring lo remove when towbar	oom and cable en r is fitted first.	points etc a	are given. Use pro	obe to identif SmartCAN, s	y correct wire in lo see SmartCAN Data	cation.	as bump	1 4	2 5		0
Wiring: Main wiring lo remove when towbar Wire positions These	and connection	points etc a	are given. Use pro elay. For TF2302	obe to identif SmartCAN, s	y correct wire in lo see SmartCAN Data	cation.	as bump	1	2		0
Wiring: Main wiring love remove when towbar Wire positions These	and connection notes relate fittir	points etc a	are given. Use pro elay. For TF2302	obe to identif SmartCAN, s	y correct wire in lo see SmartCAN Data	cation.	as bump	1 4	2 5		0
Wiring: Main wiring love remove when towbare when towbare with the second secon	and connection notes relate fittir Vehicle Wire (Pink/white	points etc a	are given. Use pro elay. For TF2302	obe to identif SmartCAN, s	y correct wire in lo see SmartCAN Data	cation. ocation	as bump	1 4 7	2 5 8	3 6 9	0
Wiring: Main wiring to remove when towbar Wire positions These to Lights LH Flasher Fog Light	and connection notes relate fittir Vehicle Wire (Pink/white White	points etc a	are given. Use pro elay. For TF2302	obe to identif SmartCAN, s	y correct wire in lo see SmartCAN Data	cation. ocation	as bump	1 4 7	2 5 8	3 6 9	0
Wiring: Main wiring love remove when towbare when towbare with the second secon	and connection notes relate fittir Vehicle Wire (Pink/white White Brown/white	points etc a	are given. Use pro elay. For TF2302	obe to identif SmartCAN, s	y correct wire in lo see SmartCAN Data	cation. ocation	as bump	1 4 7 10	2 5 8 11	3 6 9	
Wiring: Main wiring to remove when towbar Wire positions These to the control of	and connection notes relate fittir Vehicle Wire (Pink/white White Brown/white Green/red	points etc a	are given. Use pro elay. For TF2302	obe to identif SmartCAN, s	y correct wire in lo see SmartCAN Data	cation. ocation	as bump	1 4 7 10	2 5 8 11	3 6 9	

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Quality, Service, Innovation

Car Data Sheet Fiat Punto All -1999

7-Core Entry Point	Longer 7 Co	re Cable		Bypass Recommer -2302, see SmartC		Othe	r Rela	y Reco	meno	led
Drill			None							
Automatic Trailer Flasher Monitor	Reversing Se	ensor		Cut Out Switch, e	tc.	Mfr's	Towi	ng Plu		
		<u></u>							<u> </u>	
Find Constant Live				Find Ignition-Swit	ched Live					
				Colour:						
Colour:										
Location:				Location:						
Add Fuse:				Add Fuse:						
Best Wiring Location	R	oute to Battery			Fusebox Lo	cation				
Choose power source carefull	v On cars wi	th nower manage	ement (ID I	by hattery condition	n in display)	do no	t ao t	o the h	atterv	
Fitting times, etc. Notes	y. On cars wi	ur power manage	Silicit (ID I	battery contains	ir iii dispiay)	uo 110	. go u	o the b	attor y	
Titting times, etc. Notes										
Wire positions and connection p These notes relate fitting	oints etc are y bypass rela	given. Use probe y. For TF2302 Sm	to identify	y correct wire in lo	cation.		1	2	3	
				ee Silial (CAN Data		_	4	5	6	
Lights Vehicle Wire C	olours	Alternative			ocation		4	5	6	
Lights Vehicle Wire C LH Flasher Black/blue	olours	Alternative							9	
	olours	Alternative							9	
LH Flasher Black/blue	olours	Alternative					7	8	9	
LH Flasher Black/blue Fog Light Grey	olours	Alternative					7	8	12	
LH Flasher Black/blue Fog Light Grey RH Flasher Blue	olours	Alternative					10	11		
LH Flasher Black/blue Fog Light Grey RH Flasher Blue RH Side Light Red/yellow	olours	Alternative					10	11		

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-Core Entry Point		Longer 7 C	core Cable		Bypass Recommen F2302, see SmartC <i>A</i>		Other Rela	ay Reco	mended
9					ers use 7-way OGIC/2218				
utomatic Trailer F	asher Monitor	Reversing	Sensor		Cut Out Switch, et	c.	Mfr's Tow	ing Plu	g
ind Constant Live					Find Ignition-Swite	ched Live			
Colour:					Colour:				
Location:					Location:				
Add Fuse:					Add Fuse:				
Add I use.					Add 1 doc.				
est Wiring Location	on .		Route to Battery	'		Fusebox Lo	ocation		
Choose power itting times, etc. N		y. On cars v	vith power mana	gement (ID	by battery condition	in display) do not go t	o the b	attery.
					y correct wire in loc ee SmartCAN Data	ation.	1	2	3 _
These	notes relate fitting	g bypass re	lay. For TF2302 S	SmartCAN, s	ee SmartCAN Data		1 4	2 5	3 6
These I	Vehicle Wire C	g bypass re		SmartCAN, s	ee SmartCAN Data	eation.	•		3 6 9
These	Vehicle Wire C	g bypass re	lay. For TF2302 S	SmartCAN, s	ee SmartCAN Data		4 7	5	
Lights LH Flasher Fog Light	Vehicle Wire C Pink/white Grey	g bypass re	lay. For TF2302 S	SmartCAN, s	ee SmartCAN Data		4	5	3 6 9 12
Lights LH Flasher Fog Light RH Flasher	Vehicle Wire C Pink/white Grey Pink/white	g bypass re	lay. For TF2302 S	SmartCAN, s	ee SmartCAN Data		4 7	5	
Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire C Pink/white Grey Pink/white Yellow/black	g bypass re	lay. For TF2302 S	SmartCAN, s	ee SmartCAN Data		4 7	5	
Lights LH Flasher Fog Light RH Flasher RH Side Light Brake Light	Vehicle Wire C Pink/white Grey Pink/white Yellow/black Green/white	g bypass re	lay. For TF2302 S	SmartCAN, s	ee SmartCAN Data		10	5 8	12
Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire C Pink/white Grey Pink/white Yellow/black	g bypass re	lay. For TF2302 S	SmartCAN, s	ee SmartCAN Data		10	5 8	12

Quality, Service, Innovation

7-Core Entry Point Longer 7 Core Cable Bypass Recommended If TF2302, see SmartCAN data

19 Some fitters use 7-way TF2217LOGIC/2218

Automatic Trailer Flasher Monitor Reversing Sensor Cut Out Switch, etc. Mfr's Towing Plug

Find Constant Live		Find Ignition-Sw	tched Live	
Colour:		Colour:		
Location: Fusebox		Location:		
Add Fuse:		Add Fuse:		
Best Wiring Location	Route to Battery		Fusebox Location	
19			Dash, R/H (12)	

Choose power source carefully. On cars with power management (ID by battery condition in display) do not go to the battery.

Fitting times, etc. Notes		

Wire positions and connection points etc are given. Use probe to identify correct wire in location.

These notes relate fitting bypass relay. For TF2302 SmartCAN, see SmartCAN Data

Car Data Sheet

Lights	Vehicle Wire Colours	Alternative	Location
LH Flasher	Pink		
Fog Light	Grey		
RH Flasher	Pink/white		
RH Side Light	Yellow/black		
Brake Light	Green/white		
LH Side Light	Yellow/black		
Reverse			

	1	2	3	L
	4	5	6	ı
	7	8	9	
	10	11	12	
	13	14	15	
	16	17	18	ı
Π	19	20	21	Γ
		•		

Fiat Punto All 2001 -

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Quality, Service, Innovation

Car Data Sheet

Fiat Punto Evo Supermini 2010 -

7-Core Entry Point		Longer 7	Core Cable		Bypass Recomme F2302, see Smart0		Othe	r Rela	y Reco	omended
				TF2218/	7SMARTLOGIC					
Automatic Trailer F	Flasher Monitor	Reversing	g Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	a
			g •••						··g · ···	<u> </u>
Find Constant Live	1				Find Ignition-Sw	itched Live				
	•					iterieu Live				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Locati	on		Route to Battery			Fusebox L	ocation	1		
Choose pow		ly. On cars	with power manaç	gement (ID	by battery conditi	on in display	η) do no	t go to	o the b	attery.
			are given. Use prob elay. For TF2302 S					1 4	2	3
Lights	Vehicle Wire C	colours	Alternative		I	_ocation		7	8	9
LH Flasher	Blue/white							-		
Fog Light	Brown/yellow							10	11	12
RH Flasher	Blue/black									\square
RH Side Light	Yellow/black							13	14	15
Brake Light	Green/white									
	1									
LH Side Light	Red/yellow							16	17	18

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Quality, Service, Innovation

Car Data Sheet Fiat Scudo All 2002 -

7-Core Entry Point		Longer 7	Core Cable	If T	Bypass Recomme F2302, see Smart0		Other	Rela	y Reco	mend	ed
19				None							
Automatic Trailer Fla	asher Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	a	
			, coco.							<u> </u>	
Find Constant Live					Find Ignition-Sw	itched Live					
Colour:					Colour:						
Location: 19					Location:						
Add Fuse: 20					Add Fuse:						
Best Wiring Location	n		Route to Battery			Fusebox L	ocation				
19											
Choose powe Fitting times, etc. No		y. On cars	with power manag	gement (ID	by battery condition	on in display	/) do not	go to	the b	attery.	
			re given. Use prob elay. For TF2302 Si					1	2	3	•
Lights	Vehicle Wire C	olours	Alternative		I	_ocation	▋	7	5	9	ı
LH Flasher	Cream						7	<u>'</u>		,	•
Fog Light	Orange		Violet splits	2 orange				10	11	12	
RH Flasher	Yellow										
RH Flasher RH Side Light	Yellow White							13	14	15	
			Green?					13	14	15	•
RH Side Light	White		Green?					13	14	15	I

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Quality, Service, Innovation

Car Data Sheet Fiat Scudo Van 2007 -

7-Core Entry Point		Longer 7	Core Cable	If 7	Bypass Recommo F2302, see Smart		Othe	r Rela	y Reco	omende
		2m		TF2218	7SMARTLOGIC					
Automatic Trailer Fl	asher Monitor	Reversin	g Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	g
Find Constant Live					Find Ignition-Sw	vitched Live	-			
Colour: Blue					Colour:					
Location: Fusebox	(Location:					
Add Fuse:					Add Fuse:					
Best Wiring Locatio	n		Route to Batter	У		Fusebox L	.ocation	1		
21			Through roof wit		sebox	Dash, R/H	(12)			
	and connection p				fy correct wire in			1	2	3
			relay. For 1F2302	SmartCAN,	see SmartCAN Da	ta	_, [4	5	6
Lights	Vehicle Wire C	colours	Alternativ	ve		Location		7	8	9
LH Flasher	Blue					19 high up		\vdash		
Fog Light	Red					21		10	11	12
RH Flasher	White					21		\vdash		\vdash
RH Side Light	Yellow					21		13	14	15
Brake Light	Green					21				
LH Side Light	Brown					19 high up		16	17	18
Reverse	Brown						_	19	20	21

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Car Data Sheet Fiat Sedici All 2008 -

7-Core Entry Point		Longer 7	Core Cable	Bypass Recommended If TF2302, see SmartCAN data					y Reco	omeno	bet
				None							
Automatic Trailer F	lasher Monitor	Reversing	Sensor		Cut Out Switch,	Mfr's Towing Plug					
	idoner monitor	reversing	Consor		out out ownon,		i i i i	, 1011	iig i iu	9	
Find Constant Live					Find Ignition-Sw	itched Live					
						itcheu Live					
Colour:					Colour:						
Location:				Location:							
Add Fuse:					Add Fuse:						
Best Wiring Location	on		Route to Battery	,		Fusebox Lo	cation	<u> </u>			
Choose pow	er source careful	ly. On cars	with power mana	agement (ID	by battery condition	⊔ on in display)	do no	t go t	o the b	attery	<i>.</i>
Fitting times, etc. N	Notes										
					fy correct wire in k see SmartCAN Dat			1	2	3	<u> </u>
Lights	Vehicle Wire C	olours	Alternativ	е	L	_ocation		7	5	9	ł
LH Flasher	Green/red						•	Ė	-	-	┍
Fog Light	Red/blue							10	11	12	
RH Flasher	Blue/white										-
RH Side Light Red/yellow							13	14	15		
Brake Light Green/white											
LH Side Light Red/yellow								16	17	18	ł
Reverse											₽

Quality, Service, Innovation

Car Data Sheet Fiat Seicento All 2002 -

-Core Entry Point	Core Entry Point Longer 7 Core Cable				Bypass Recommended If TF2302, see SmartCAN data					menc	led
1				None							
utomatic Trailer F	lasher Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's Towing Plug				
		J			,				J		
ind Constant Live					Find Ignition-Sw	itched Live					
Colour:					Colour:						
Location:					Location:						
					Add Fuse:						
Add Fuse:					Add Fuse.						
Best Wiring Location	on		Route to Batter	' V		Fusebox L	ocation	1			
1				-							
Choose now	er source careful	lv. On cars	with nower man	agement (ID	by battery condition	n in display	/) do no	t ao ta	the b	atterv	
Fitting times, etc. N		iy. On ours	waa power man	agement (ID	by battery contains	in alopia)	,, 40 110	. go .	, the B	utto. y	
ritting times, etc. i	lotes										
					y correct wire in lo			1	2	3	
Inese	notes relate fittin	g bypass re	lay. For 1F2302	SmartCAN, s	see SmartCAN Data	a	[4	5	6	
Lights	Vehicle Wire C							-			
		Colours	Alternativ	ve	L	ocation		7	8	9	
LH Flasher	Grey	Colours	Alternativ	ve	L	ocation	┦╹	7	8	9	
LH Flasher Fog Light	Grey Blue	Colours	Alternativ	ve	L	ocation.	_	7	8	9	
	-	Colours	Alternativ	ve	L	ocation				12	
Fog Light	Blue	Colours	Alternativ	ve	L	ocation				12	
Fog Light RH Flasher	Blue Grey	Colours	Alternati	ve	L	ocation		10	11		
Fog Light RH Flasher RH Side Light	Blue Grey Yellow	Colours	Alternativ	ve	L	ocation		10	11		

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Quality, Service, Innovation

Car Data Sheet Fiat Stilo All 2002 -

Jai Bata Giloot					riat othio / th 2002	
7-Core Entry Point Longer 7 Core Ca				Bypass Recomme F2302, see Smart0		Other Relay Recomended
19 Grommet in floor			TF2218/7	7SMARTLOGIC		TF2218/7SMARTLOGIC
utomatic Trailer Flasher Monitor Reversing Sensor				Cut Out Switch,	etc.	Mfr's Towing Plug
Find Constant Live				Find Ignition-Sw	itched Live	
Colour:				Colour:		
Location: Fusebox				Location:		
Add Fuse:				Add Fuse:		
Best Wiring Location		Route to Batter	ry		Fusebox I	_ocation
19		Footwell, L/H (g	grommet)		Steering c	olumn (under)
Choose power source carefu	lly. On cars	with power mar	nagement (ID	by battery conditi	on in displa	y) do not go to the battery.
Fitting times, etc. Notes						
Wiring: Bring opposite flasher and tail	light leads a	cross to connection	on point			
Power supply: grommet under LH foo	well gives ac	cess to battery b	ut skin is doub	le and new hole is	required thro	ough inner skin.
Fitting: Beware brittle plastic trim.						

Wire positions and connection points etc are given. Use probe to identify correct wire in location.

These notes relate fitting bypass relay. For TF2302 SmartCAN, see SmartCAN Data

Lights	Vehicle Wire Colours	Alternative	Location
LH Flasher	Pink	Orange	
Fog Light	Pink or grey	Below boot light (test)	21
RH Flasher	White		19
RH Side Light	Grey/white	White	21
Brake Light	Green	Grey	21
LH Side Light	Brown/black		
Reverse	Grey		10

	1	2	3	L
ı	4	5	6	
	7	8	9	
	10	11	12	
	13	14	15	
	16	17	18	ı
_	19	20	21	Γ
		•		

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Quality, Service, Innovation

7-Core Entry Point		Longer 7 Core Cable			Bypass Recommer F2302, see SmartC	Other Relay Recome			omende	
				None						
Automatic Trailer FI	asher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's	Towir	na Plu	a
		J							J	<u> </u>
Find Constant Live					Find Ignition-Swi	tched Live				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
Auu I use.					, add 1 doc.					
Best Wiring Locatio	n		Route to Battery			Fusebox L	ocation			
Fitting times, etc. N Front monitor: May ta		001								
					y correct wire in lo see SmartCAN Data			1	2	3
Lights	Vehicle Wire C	Colours	Alternative		L	ocation	╗╟	4	5	6
LH Flasher								7	8	9
Fog Light								10	11	12
RH Flasher							-			
RH Side Light								13	14	15
Brake Light										
LH Side Light							▋	16	17	18
Reverse										

Quality, Service, Innovation

7-Core Entry Point		Longer 7	Core Cable	Bypass Recommended If TF2302, see SmartCAN data			Other	Rela	y Reco	mend	∌d
				None							
Automatic Trailer FI	asher Monitor	Reversing	g Sensor		Cut Out Switch, e	tc.	Mfr's	Γowi	ng Plu	g	
Find Constant Live		I			Find Ignition-Swi	ched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Locatio	n		Route to Batter	у		Fusebox L	ocation				
		y. On cars	with power man	agement (ID	by battery conditio	n in display	y) do not	go to	the b	attery.	
Fitting times, etc. N	lotes										
					fy correct wire in lo see SmartCAN Data		•	1	2	3	•
Lights	Vehicle Wire C	olours	Alternativ	/e	L	ocation		7	5	9	
LH Flasher	Yellow							÷			•
Fog Light	Grey							10	11	12	
RH Flasher	White							_		\vdash	
								- 1			
RH Side Light	Green							13	14	15	
RH Side Light Brake Light	Green Pink							13	14	15	
								13	17	15	

Quality, Service, Innovation

LH Side Light

Reverse

White

Brown

Car Data Sheet						F	iat U	yss	е М	PV 2	003 -
7-Core Entry Point		Longer 7 C	Core Cable		Bypass Recommer F2302, see SmartC		Othe	r Rela	y Reco	omend	led
21 Grommet rear floor	r			TF2218/7	7SMARTLOGIC						
Automatic Trailer Fla	asher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's	Towi	ng Plu	ıg	
Find Constant Live					Find Ignition-Swit	ched Live					
Colour:					Colour:						
Location: 21					Location:						
Add Fuse: See note	below				Add Fuse:						
Best Wiring Location	1		Route to Battery			Fusebox L	ocation				
-			Footwell RH								
Choose powe	r source careful	ly. On cars v	with power manag	gement (ID	by battery conditio	n in display) do no	t go to	the b	attery.	•
Fitting times, etc. No	otes										
Fuse No 8 in fusebox		20amp at No	10 in fusebox und	er steering v	wheel.						
Power supply: 21 on v	ans. Plug on RH	S may affect	central locking.								
					y correct wire in lo ee SmartCAN Data			1 4	2	3	
Lights	Vehicle Wire C	olours	Alternative		Le	ocation		7	8	9	
LH Flasher	Brown		Pin 6				_	i.	-	+	
Fog Light	White		Pin 5					10	11	12	
RH Flasher	Blue		Pin 6					$\vdash \vdash$		\vdash	
RH Side Light	Yellow		Pin 1					13	14	15	
Brake Light	White		Pin 2								

19 lamp

Pin 1

Pin 4

Quality, Service, Innovation

Reverse

Purple/orange

7-Core Entry Point		Longer 7 (Core Cable	If 7	Bypass Recommended If TF2302, see SmartCAN data					Other Relay Recomended			
Grommet in boot floo	or			TF2218	7SMARTLOGIC								
Automatic Trailer F	lasher Monitor	Reversing	Sensor		Cut Out Switch, etc.			Towi	ng Plu	a			
		3			,				<u> </u>	<u> </u>			
Find Constant Live					Find Ignition-Sw	itched Live							
Colour:					Colour:								
					Location:								
Add Fuse:	Location: Add Fuse:				Add Fuse:								
Dood Winings Looptin			Davida da Dattam			Function							
Best Wiring Location 19, 21 Lamps	on		Route to Battery	/		Fusebox L	ocation)					
10, 2 i Lampo													
Choose now	er source careful	ly On care	with nower man	agement (ID	by battery conditi	on in display	do no	t ao t	the h	attory			
Fitting times, etc. N			With power man	agement (ib	by buttery contain	on in display	, 40 110	ı go ı	, the B	uttoi y			
Viring: Bring opposit		ght leads ac	ross to connectio	n point							-		
		J											
					fy correct wire in I see SmartCAN Da			1	2	3	L		
							_	4	5	6			
Lights	Vehicle Wire C	olours	Alternativ	е		Location	_	7	8	9			
LH Flasher	Blue							Н					
Fog Light	Orange/yellow							10	11	12			
RH Flasher	Blue/brown							\square					
IXII I Iasiici	RH Side Light Orange												
	Orange							13	14	15			
	Orange Purple							13	14	15			

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Quality, Service, Innovation

Ford Escort Hatchback 2000 -

-		Longer 7 C	Core Cable	If T	Bypass Recommer F2302, see SmartC	Othe	r Rela	y Reco	meno		
				None							
tomatic Trailer F	lasher Monitor	Reversing Sensor			Cut Out Switch, etc.			Mfr's Towing Plug			
nd Constant Live					Find Ignition-Swi	tched Live					
Colour:					Colour:						
Location:					Location:						
dd Fuse:					Add Fuse:						
est Wiring Location	'n		Route to Batter	у		Fusebox L	ocation	1			
Choose pow	er source careful	ly. On cars v	with power man	agement (ID	by battery condition	on in displa	/) do no	t go to	o the ba	attery	
Choose power tting times, etc. N		ly. On cars	with power man	agement (ID	by battery conditio	on in display	/) do no	t go to	o the ba	attery	
tting times, etc. N	Notes	points etc ar	re given. Use pro	obe to identi	by battery condition	cation.	/) do no	t go to	o the ba	attery	
tting times, etc. N Wire positions These	Notes	points etc ar g bypass re	re given. Use pro	obe to identii SmartCAN, s	fy correct wire in lo see SmartCAN Data	cation.	y) do no	1 4	2	attery	
tting times, etc. N	and connection protes relate fittin	points etc ar g bypass re	re given. Use pro lay. For TF2302	obe to identii SmartCAN, s	fy correct wire in lo see SmartCAN Data	ocation.	y) do no	1	2	attery	
Wire positions These	and connection protes relate fittin	points etc ar g bypass re	re given. Use pro lay. For TF2302	obe to identii SmartCAN, s	fy correct wire in lo see SmartCAN Data	ocation.	y) do no	1 4	2	attery 3 6 9	
Wire positions These	and connection protes relate fitting	points etc ar g bypass re	re given. Use pro lay. For TF2302	obe to identii SmartCAN, s	fy correct wire in lo see SmartCAN Data	ocation.	y) do no	1 4 7	2 5 8	3 6 9	
Wire positions These Lights LH Flasher Fog Light	and connection protes relate fitting. Vehicle Wire Company Blue Purple/yellow	points etc ar g bypass re	re given. Use pro lay. For TF2302	obe to identii SmartCAN, s	fy correct wire in lo see SmartCAN Data	ocation.	y) do no	1 4 7	2 5 8	3 6 9	
Wire positions These Lights LH Flasher Fog Light RH Flasher	and connection protes relate fitting Vehicle Wire Company Blue Purple/yellow Blue/red	points etc ar g bypass re	re given. Use pro lay. For TF2302	obe to identii SmartCAN, s	fy correct wire in lo see SmartCAN Data	ocation.	y) do no	1 4 7 10	2 5 8 11	3 6 9	
Wire positions These Lights LH Flasher Fog Light RH Flasher RH Side Light	and connection protes relate fitting Vehicle Wire Company Blue Purple/yellow Blue/red Orange/black	points etc ar g bypass re	re given. Use pro lay. For TF2302	obe to identii SmartCAN, s	fy correct wire in lo see SmartCAN Data	ocation.	y) do no	1 4 7 10	2 5 8 11	3 6 9	

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7-Core Entry Point

Other Relay Recomended

						IT I	r2302, see SmartC	AN data					
							ters use 7-way .OGIC/2218						
Αι	utomatic Trailer Fla	sher Monitor	Reversing	Sensor			Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	g	
Fi	nd Constant Live						Find Ignition-Swi	tched Live					
	Colour:						Colour:						
	Location:						Location:						
	Add Fuse:						Add Fuse:						
_	est Wiring Location			Route to	o Battery			Fusebox Lo	cation)			
21													
	Choose power	source carefull	ly. On cars	with pov	ver manage	ement (ID	by battery condition	n in display)	do no	t go t	o the b	attery	•
Fi	itting times, etc. No	tes											
Do	not use the plug yo	u will find hangin	g down fron	n the loor	n; this is wi	red Americ	an style. Make your	connections of	on the	leads	to the i	rear la	mps.
Fla	asher relay: 5 pin: ta	kes a clone (TF2	100T) but o	check the	pin configu	ration.							
Fla	ashers. Two wires to	each indicator -	don't use la	rge yellov	w or green a	as these a	witch brake lights as	well. Perman	ent live	e on b	rakes.		
	Mira pasitions o	ad aannaation m	ainta ata a		lloo nuobo	to identif	iv aannaat uulna la la	aatian					
							y correct wire in lo see SmartCAN Data		_	1	2	3	
				-					-, I	4	5	6	
	Lights	Vehicle Wire C	olours		Iternative		L	ocation	- 1	7	8	9	
	LH Flasher	Green/orange		S	ee Note ab	ove							
	Fog Light	Green/yellow								10	11	12	
	RH Flasher Orange/blue See Note above					ove							
	RH Side Light Brown/white								_	13	14	15	L
	Brake Light Green												
	LH Side Light	Orange/black								16	17	18	
	Reverse Black/pink								_	19	20	21	_

Longer 7 Core Cable

Bypass Recommended

Quality, Service, Innovation

Car Data Sheet Ford Fiesta All 2001 -

7-Core Entry Point	Core Cable	If 7	Bypass Recomme F2302, see Smart(Other Relay Recomended						
				None							
Automatic Trailer Fla	nahar Manitar	Daversing	Concer		Cut Out Switch		Menta	Tave	na Div		
Automatic Trailer Fla	asner Monitor	Reversing	Sensor		Cut Out Switch,	etc.	IVITE	STOWI	ng Plu	g	
Find Constant Live					Find Ignition-Sw	itched Live					
Colour:					Colour:						
Location:					Location:						
					Add Fuse:						
Add Fuse:					Add Fuse.						
Best Wiring Location	n		Route to Batte	erv		Fusebox Lo	cation	1			
Choose powe	r source careful	ly. On cars	with power ma	nagement (ID	by battery conditi	on in display)	do no	t go t	o the b	attery	
Fitting times, etc. No	otes										
Wire nositions a	and connection r	oints etc a	re aiven. Use n	robe to identi	fy correct wire in I	ocation					
					see SmartCAN Dat			1	2	3	_
Lights	Vehicle Wire C	olours	Alternat	tive		Location	7	4	5	6	
LH Flasher	Blue							7	8	9	
Fog Light	Purple/yellow							10	11	12	
RH Flasher	Blue/red										
RH Side Light	Orange/white							13	14	15	
Brake Light	Black/purple										
LH Side Light							16	17	18		
Reverse								19	20	21	

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Quality, Service, Innovation

Reverse

7-Core Entry Point		Longer 7	Core Cable		Bypass Recommer F2302, see SmartC		Othe	r Rela	y Reco	omeno	bet
19 (21 in Estate) Gro	ommet in floor			TF2218/	7SMARTLOGIC						
Automatic Trailer F	lasher Monitor	Reversing	Sensor		Cut Out Switch, e	etc.	Mfr's	Towi	ng Plu	q	
			<u>,</u>		,				<u> </u>	<u> </u>	
Find Constant Live					Find Ignition-Swi	tched Live					
Colour:					Colour:						
Location: Fusebo	v				Location:						
Add Fuse: See not					Add Fuse:						
Add Fuse. See not	te pelow				Add I use.						
Best Wiring Location	on		Route to Batter	rv		Fusebox Lo	ocation	<u> </u>			
19/21						10					
Choose pow	er source carefull	y. On cars	with power man	agement (ID	by battery condition	on in display)	do no	t go to	the b	attery	_
Fitting times, etc. N	Notes										
Fuse positions: F8 -	15amps switched 20A permanent										
123 - 7	20A permanent										
					fy correct wire in lo				_	3	1
These	notes relate fitting	g bypass re	elay. For TF2302	SmartCAN, s	see SmartCAN Data	1		1	2	3	
Lights	Vehicle Wire C	olours	Alternati	ve	L	ocation		4	5	6	ı
LH Flasher	Grey/orange					19	_	7	8	9	•
Fog Light	Black/green					21		10	11	12	
RH Flasher	Green/yellow					21					
RH Side Light	White/orange					21		13	14	15	
Brake Light	Purple/green					19					
LH Side Light	Grev/blue					19					ł

Ryder Towing Equipment Ltd

Quality, Service, Innovation

7-Core Entry Point		Longer 7	Core Cable		Bypass Recomme F2302, see SmartC		Other Rel	ay Rec	omende
21 Grommet				TF2218/7	7SMARTLOGIC				
Automatic Trailer Fla	asher Monitor	Reversing	Sensor		Cut Out Switch, 6	etc.	Mfr's Tow	ina Plu	ıa
					,				<u>9</u>
Find Constant Live					Find Ignition-Swi	tched Live			
Colour:					Colour:				
Location: 18					Location:				
Add Fuse: Slot 31					Add Fuse:				
7.44 . 466. 6.6.6 .									
Best Wiring Location	n		Route to Battery			Fusebox Lo			
						Glove box (g	rommet be	nind)	
Choose power	r source careful	ly. On cars	with power manag	ement (ID	by battery condition	n in display)	do not go	to the b	attery.
Fitting times, etc. N	otes								
Wire positions a	and connection r	oints etc a	re given. Use prob	e to identif					
					y correct wire in lo	cation.			
		y bypass re	elay. For TF2302 Sr		y correct wire in lo ee SmartCAN Data		1	2	3
Lights	Vehicle Wire C		Alternative		ee SmartCAN Data		4	5	6
Lights LH Flasher	Vehicle Wire C				ee SmartCAN Data	1			6 9
					ee SmartCAN Data	1	4	5	3 6 9
LH Flasher	Blue				ee SmartCAN Data	1	4	5	3 6 9
LH Flasher Fog Light	Blue Green/yellow				ee SmartCAN Data	1	4	5	3 6 9 12
LH Flasher Fog Light RH Flasher	Blue Green/yellow Blue/red				ee SmartCAN Data	1	10	5 8 11	
LH Flasher Fog Light RH Flasher RH Side Light	Blue Green/yellow Blue/red Orange/white				ee SmartCAN Data	1	10	5 8 11	

Quality, Service, Innovation

Car Data Sheet

Green/orange

Reverse

Ford Focus Cmax MPV Sept 2003 -

7-Core Entry Point		Longer 7 (Core Cable		Bypass Recommer F2302, see SmartC		Other	Rela	y Reco	omende
				TF2218/7	7SMARTLOGIC					
Automatic Trailer Fl	asher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's	Towi	ng Plu	g
ind Constant Live					Find Ignition-Swit	ched Live				
Colour:					Colour:					
Location: 16					Location:					
Add Fuse: Slot 59					Add Fuse:					
7.dd 1 d30. Olot 39					7.00.1 000.					
Best Wiring Locatio	n		Route to Battery	y		Fusebox L	ocation			
Chance now		ly On some	with manyor many	aramant (ID	h., hattam, aanditia	n in diamles	\		. the b	attam:
Fitting times, etc. N		iy. On cars	with power mana	agement (ID	by battery conditio	n in dispiay) do not	go to	the b	attery.
Viring: Bring opposite		ight leads ac	ross to connectio	n point						
Overload: reported or		_		<u> </u>						
·			,							
					y correct wire in lo see SmartCAN Data			1 4	2	3
Lights	Vehicle Wire C	colours	Alternativ	ve	L	ocation		7	8	•
LH Flasher	Blue						•		,	<u> </u>
Fog Light	Yellow/green							10	11	12
RH Flasher	Blue/red									\square
RH Side Light	Orange							13	14	15
Brake Light	Black/green		Green/ora	inge						
LH Side Light	Orange		Orange/w	hite				16	17	48

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Quality, Service, Innovation

7-Core Entry Point		Longer 7	Core Cable	lf ·	Bypass Recomme FP2302, see Smart0		Other	Rela	y Reco	omende
19 Drill bung				None						
Automatic Trailer F	asher Monitor	Reversir	ng Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	g
					,				Ū	<u> </u>
Find Constant Live					Find Ignition-Sw	itched Live				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Location	st Wiring Location Route to Battery					Fusebox I	_ocation			
			LH door (via bui	·g -··· ,						
Choose power	er source careful	ly. On car	s with power man	agement (II	by battery conditi	on in display	y) do not	go to	the b	attery.
Fitting times, etc. N										
Ford advised no 12S main feed to the fuse			k is that the proble	m concerns	power taken from the	e wrong place	es. If you	go to	the ba	ttery or t
	.,									
Wire positions	and connection i	noints etc	are given lise nr	ohe to ident	ify correct wire in I	ocation	_			
					see SmartCAN Dat			1	2	3
Lights	Vehicle Wire 0	Colours	Alternati	ve		Location	╗┇	4	5	6
LH Flasher	Blue							7	8	9
Fog Light	Green/yellow							10	11	12
RH Flasher	Blue/red									
RH Side Light	Orange							13	14	15
Brake Light	Green/red									
LH Side Light	Orange/white						▋	16	17	18
Reverse							-			

Quality, Service, Innovation

LH Side Light

Reverse

Orange

Green/black

ai Data Silee					•	ora r o	cus L	Sia	נט טנ	211 Z V	JU
-Core Entry Point		Longer 7 C	ore Cable		Bypass Recommen F2302, see SmartCA		Other	Relay	y Reco	omend	ed
9 (21 in Estate) Gro	mmet in floor			TF2218/	7SMARTLOGIC						
Automatic Trailer Fl	asher Monitor	Reversing	Sensor		Cut Out Switch, et	C.	Mfr's	Γowir	ng Plu	g	-
ind Constant Live					Find Ignition-Swite	ched Live					
Colour:					Colour:						
Location: 18 behir	nd seat trim				Location:						
Add Fuse: Slot 59					Add Fuse:						
Sest Wiring Location	n		Route to Battery	,		Fusebox Lo	ocation				_
Choose power	er source careful	lly. On cars w	vith power mana	gement (ID	by battery condition	n in display)	do not	go to	the b	attery.	
Fitting times, etc. N	lotes										_
railer power n/s nun											
					y correct wire in loc see SmartCAN Data	ation.	■	1	2	3	_
Lights	Vehicle Wire (Colours	Alternative	е	Lo	cation		7	8	9	ı
LH Flasher	Blue					19	-	-			-
Fog Light	Green/yellow					21		10	11	12	
RH Flasher	Blue/red					21	-	\dashv		\square	
RH Side Light	Orange/white					21		13	14	15	
Brake Light	Green/red					10				k	

19

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Quality, Service, Innovation

Green/black

Reverse

7-Core Entry Point		Longer 7	Core Cable	If	Bypass Recomme TF2302, see Smart(Othe	r Rela	y Reco	omende
				TF2218	B/7SMARTLOGIC					
Automatic Trailer Fl	acher Meniter	Reversing	r Sancar		Cut Out Switch,	oto	Mfrio	Towi	ng Plu	~
	asher Worldon	Reversing	j Selisoi		Cut Out Switch,	eic.	IVIII S	TOWI	ng Piu	y
Find Constant Live					Find Ignition-Sw	ritched Live				
						itorica Eive				
Colour:					Colour:					
Location: 18 behir	id seat trim				Location:					
Add Fuse: Slot 59					Add Fuse:					
Best Wiring Locatio	n		Route to Batte	rv		Fusebox L	ocation	1		
Multiblock (blue)			Grommet by the	,		- Cooker -		·		
Choose now	er source carefu	lly On cars	with nower mai	nagement (II	D by battery conditi	on in display	ι) do no	t ao ta	n the h	atterv
Fitting times, etc. N		ny. On ours	with power man	nagement (n	by battery contain	on in display	,, 40 110	. 90		utto. y.
Wires very thin . Scot		e reliable e	specially on sidel	iahts Solder	or supersplice recon	nmended				
Difficult to fit				.g	<u> </u>					
Jimount to Int										
Wire positions	and connection	points etc a	re given. Use pr	robe to ident	ify correct wire in I	ocation.		1	2	3
i nese i	iotes relate fittir	ig bypass i	elay. For 1F2302	2 SmartCAN,	see SmartCAN Dat	id	[4	5	6
Lights	Vehicle Wire	Colours	Alternat	ive	I	Location		7	8	9
LH Flasher	Blue						_	\vdash	_	-
Fog Light	Yellow/green		Black/gre	een				10	11	12
RH Flasher	Blue/red									\square
RH Side Light	Orange							13	14	15
Brake Light	Green/red									
LH Side Light	Orange/white							16	17	40

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Quality, Service, Innovation

LH Side Light

Reverse

Orange/white

Green/black

ar Data Snee	τ				Fora i	-ocus Ha	atchr	oacı	(Ear	Ty 2	UU:
-Core Entry Point		Longer 7 C	Core Cable		Bypass Recommer F2302, see SmartC		Other	Rela	y Reco	mend	ed
				TF2218/	7SMARTLOGIC						
Automatic Trailer Fl	asher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's	Towi	ng Plu	g	
ind Constant Live					Find Ignition-Swi	tched Live					
Colour:					Colour:						
Location: 19					Location:						
Add Fuse: 20					Add Fuse:						
Best Wiring Location	n		Route to Battery			cation					
6, 18 Under wheel a	rch					Dash, L/H (1	0)				
Choose power	er source careful	lly. On cars v	with power manag	ement (ID	by battery conditio	n in display)	do not	go to	the b	attery.	
Fitting times, etc. N	otes										
use position 119 15 ook for auxiliary pow		ıle in boot									
Varning: AIR BAG W	IRES :Found in r	main loom o/s	(Green/orange &	Black/oran	ge) n/s (Green/blue	& Black)					
					y correct wire in lo		1	1	2	3	
These n	otes relate fittin	ig bypass re	lay. For TF2302 Sn	nartCAN, s	see SmartCAN Data	1				_	
Lights	Vehicle Wire (Colours	Alternative		L	ocation		4	5		ı
LH Flasher	Blue						-	'		,	
Fog Light	Green/yellow					21		10	11	12	
RH Flasher	Blue/red										
RH Side Light	Orange							13	14	15	
Brake Light	Green/black					18					

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Quality, Service, Innovation

Car Data Sheet Ford Fusion All 2002 -

7-Core Entry Point		Longer 7	Core Cable		Bypass Recomme F2302, see Smart(Othe	r Rela	y Reco	omended
21 Grommet				TF2218/	7SMARTLOGIC					
Automatic Trailer F	lasher Monitor	Reversing	g Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	a
			5		,					<u>5</u>
Find Constant Live					Find Ignition-Sw	itched Live				
					Colour:	101104 2110				
Colour:					Location:					
Location: 18										
Add Fuse: Slot 31					Add Fuse:					
Best Wiring Location	on		Route to Battery			Fusebox L	ocation	· · · · · · · · ·		
Choose pow		ly. On cars	with power mana	gement (ID	by battery conditi	on in display) do no	t go t	o the b	attery.
	notes relate fittin	g bypass r	are given. Use prot elay. For TF2302 S	martCAN, s				1 4	2	3 6
Lights	Vehicle Wire C	olours	Alternative)	1	Location		7	8	9
LH Flasher	Blue							\vdash		┌┤╸
Fog Light	Green/yellow							10	11	12
RH Flasher	Blue/red							\vdash		\square
RH Side Light	Orange							13	14	15
Brake Light	Green/black									
LH Side Light	Orange/white							16	17	40
								10	111	10

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Quality, Service, Innovation

Reverse

7-Core Entry Point		Longer 7 (Core Cable		Bypass Recommer F2302, see SmartC		Other	Rela	y Reco	omende
20 Grommet				TF2218/7	7SMARTLOGIC					
Automatic Trailer Fl	lasher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's	Towi	ng Plu	g
Find Constant Live					Find Ignition-Swit	tched Live				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
Auu Fuse.					Add I use.					
Best Wiring Location	on		Route to Battery	,		Fusebox L	ocation.			
Fitting times, etc. N		ny. On cars	with power mane	agement (ID	by battery conditio	п п спэртау	,, 40 1101	. go u	, tile b	attery.
Bypass: digital check	gives text bulb-fa	ilure warning	on dash display:	Use TF2218	/7LOGIC					
Reverse sensor cuto	ut button (radar sy	mbol) on da	sh or "P" to right o	of radio						
					y correct wire in lo ee SmartCAN Data			1	2	3
Lights	Vehicle Wire C	Colours	Alternativ	re	L	ocation		7	5	•
LH Flasher	Black/white		Grey/white	e				'	-	-
Fog Light	Grey/white							10	11	12
RH Flasher	Black/green									\square
RH Side Light	Grey/red							13	14	15
Brake Light	Black/white									
LH Side Light	Grey/white		Grey/black	<				16	17	18

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Quality, Service, Innovation

7-Core Entry Point	Lo	nger 7 Core Cab	le		Bypass Recommer 2302, see SmartC		Other	Rela	y Reco	omend
Centre rear			TF	-2218/7	SMARTLOGIC					
Automatic Trailer FI	asher Monitor Re	versing Sensor			Cut Out Switch, e	tc.	Mfr's	Towi	ng Plu	a
					,				Ū	
Find Constant Live					Find Ignition-Swit	tched Live				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
7 to a 1 to c.										
Best Wiring Locatio	n	Battery			Fusebox Lo	ocation				
Fitting times, etc. N Bypass: digital check	otes gives text bulb-failure	warning on dash	ı display: Use T	F2218/	7LOGIC					
Reverse sensor cuto	ut button (radar symbo	ol) on dash or "P"	to right of radio)						
Reverse sensors: ber	nd the tee plate (dog-l	eg it) back agains	st the bumper to	o avoid	reverse sensors.					
	and connection poin notes relate fitting by							1	2	3
Lights	Vehicle Wire Colo	urs A	Iternative		L	ocation	┑▮	4	5	6
LH Flasher	Black/white							7	8	9
Fog Light	Grey/white							10	11	12
RH Flasher	Black/green									
RH Side Light	Grey/red							13	14	15
Brake Light	Black/white									
LH Side Light	Grey/white							16	17	18
Reverse	Black/red				18 F	lehind jack				

Quality, Service, Innovation

7-Core Entry Point		Longer 7 (Core Cable		Bypass Recomme F2302, see Smart0		Othe	r Rela	y Reco	meno	led
-				TF2218/7	'SMARTLOGIC		TF22	18/7S	MARTI	OGIC	,
Automatic Trailer Fl	asher Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	α	
									g	J	
Find Constant Live					Find Ignition-Sw	itched Live					
Colour:					Colour: Blue						
Location: 19					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	n		1	1	Fusebox L	ocation	1				
19/21						19					
						<u> </u>					
		lly. On cars	with power mana	igement (ID	by battery condition	on in display	/) do no	t go to	the b	attery	
Fitting times, etc. N	iotes										
Wire positions These	and connection protes relate fittin	points etc a g bypass re	re given. Use prol lay. For TF2302 S	be to identif SmartCAN, s	y correct wire in le ee SmartCAN Dat	ocation. a		1	2	3	
Lights	Vehicle Wire C	Colours	Alternative	е	ı	ocation		7	5	9	ı
LH Flasher								النب		,	_
Liii lasiici	Grey/orange										
Fog Light	Brown/green							10	11	12	
								10	11	12	
Fog Light	Brown/green		Purple/gre	en				10	11	12	
Fog Light RH Flasher	Brown/green Green/orange		Purple/gree	en							
Fog Light RH Flasher RH Side Light	Brown/green Green/orange White/orange		Purple/gree	en							

Quality, Service, Innovation

Car Data Sheet Ford Kuga All 2008

Jai Data Silee							1 010	u Kt	ıya ı	711 Z	500 -
7-Core Entry Point		Longer 7 (Core Cable	If T	Bypass Recomme F2302, see Smart0		Other	r Rela	y Reco	omend	ed
				TF2218/	7SMARTLOGIC						
Automatic Trailer Fl	asher Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	g	
Find Constant Live					Find Ignition-Sw	itched Live					
Colour:					Colour:						
Location: Fusebox	<				Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	n		Route to Batter	ry		Fusebox L	ocation				
19						Glove box ((below)				
Choose power	er source carefu	lly. On cars	with power man	agement (ID	by battery conditi	on in display) do not	t go to	the b	attery.	
Fitting times, etc. N	lotes										
					fy correct wire in l			1	2	3	
Lights	Vehicle Wire	Colours	Alternati	ve	ı	Location	1	4	5	6	
LH Flasher	Blue					19	•	7	8	9	
Fog Light	Green/yellow					19		10	11	12	
RH Flasher	Blue/red					21		\sqcup		Ш	
RH Side Light	Orange					21		13	14	15	
Brake Light	Green/red		Green/bla	ack		19 or 21		-			
LH Side Light	Orange/white					19		40	47	40	

Reverse

Orange/blue

Quality, Service, Innovation

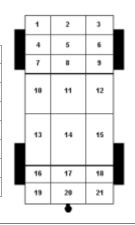
7-Core Entry Point		Longer 7	Core Cable	If	Bypass Recom TF2302, see Sma		Other	r Rela	y Reco	omende
20 Grommet				None			TF11	5FL +	TF101	11 Rever
Automatic Trailer Fl	asher Monitor	Reversin	ng Sensor		Cut Out Switc	h, etc.	Mfr's	Towi	ng Plu	g
							19			
Find Constant Live		-			Find Ignition-	Switched Live				
Colour:					Colour:					
Location: 19 lamp					Location:					
Add Fuse:					Add Fuse:					
Sest Wiring Locatio	n		Route to Batte	erv		Fusebox L	ocation	ı		
<u></u>	··			•	convoluted tubing	Under bonr				
Choose power		ly. On car	s with power ma	nagement (I	D by battery cond	lition in display	/) do not	t go t	o the b	attery.
Straightforward	ioles									
Negative reverse: us witched live from the	e combi relay oth	erwise the	caravan reverse o	comes on wh			e and rec			
					, see SmartCAN D			1	2	3
Lights	Vehicle Wire (Colours	Alternat	tive		Location		4	5	6
LH Flasher	Green/white							7	8	9
Fog Light	Green/yellow							10	11	12
RH Flasher	White/blue									\square
RH Side Light	Brown							13	14	15
Brake Light	Green									
LH Side Light	Brown							16	17	18
Reverse	Orange/yellow							19	20	21

Quality, Service, Innovation

7-Core Entry Point	Longer 7 Core Cable		ass Recomme 02, see Smart(Other Relay Recomended
19 Grommet		TF2218/7SM	ARTLOGIC		
Automatic Trailer Flasher Monitor	Reversing Sensor	Cu	t Out Switch,	etc.	Mfr's Towing Plug
	-				
Find Constant Live		Fir	nd Ignition-Sw	itched Live	
Colour:			Colour:		
Location:			Location:		
Add Fuse:		1	Add Fuse:		
Best Wiring Location	Route to Batte	ery		Fusebox I	_ocation
19	Along chassis	- protect with convo	luted tubing		
Choose power source carefu	ılly. On cars with power ma	anagement (ID by b	attery conditi	on in displa	y) do not go to the battery.
Fitting times, etc. Notes					
05 Ghia Model : power plug found bet The 05 LX Model did not have this plu					
Bypass: Manufacturer's kit uses bypa	ss relays				
Power plugs: 2-way plug nr N/S seat-labeled "Trailer". F70 (15A) controls C			tes red wire; F	92 makes gr	een/blue ignition-controlled. Both
Split: Estate loom splits L/H R/H					

Wire positions and connection points etc are given. Use probe to identify correct wire in location. These notes relate fitting bypass relay. For TF2302 SmartCAN, see SmartCAN Data

Lights	Vehicle Wire Colours	Alternative	Location
LH Flasher	Blue		19
Fog Light	Green/yellow	Purple/yellow	JL42/125
RH Flasher	Blue/red		21
RH Side Light	Orange	Orange/white	21
Brake Light	Green/red		19
LH Side Light	Orange/black	Orange/white	19
Reverse	Green/black		

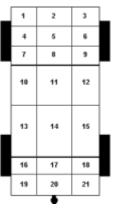


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Quality, Service, Innovation

7-Core Entry Point	Longer 7 Core Cable	7.	Bypass Recommended If TF2302, see SmartCAN data		
	2m	TF2302 SmartCAN		TF2218/7SMARTLOGIC	
Automatic Trailer Flasher Monitor	Reversing Sensor	Cut Out S	Switch, etc.	Mfr's Towing Plug	
Find Constant Live		Find Ignit	ion-Switched Live		
Colour: Blue(or green)/red		Colo	our:		
Location: Fusebox, rear		Location	on:		
Add Fuse: 15		Add Fu	se: 40 amp special		
Best Wiring Location	Route to Batte	ery	Fusebox L	ocation	
16			19		
Choose power source carefu	ılly. On cars with power ma	nagement (ID by battery	condition in display	y) do not go to the battery.	
Fitting times, etc. Notes					
If there are twin exhausts, drill below f	fuse box				
Data below refers to bypass fitting onl For SmartCAN fitting, see SmartCAN					
Wire positions and connection These notes relate fitti	points etc are given. Use p ng bypass relay. For TF2302			1 2 3	
Lights Vehicle Wire	Colours Alternat	ive	Location	4 5 6	

Lights	Vehicle Wire Colours	Alternative	Location
LH Flasher	Grey/orange	Purple/green	
Fog Light	Dark green/brown	Black	16 multiblock
RH Flasher	Green/orange		21
RH Side Light	White/orange		21
Brake Light	Purple/brown		19
LH Side Light	Purple/green		19
Reverse	Green/brown		16 multiblock



Quality, Service, Innovation

Core Entry Point		Longer 7	Core Cable	If T	Bypass Recomme F2302, see Smart0		Othe	r Rela	y Reco	omeno
				None						
tomatic Trailer FI	asher Monitor	Reversing	g Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	g
d Constant Live					Find Ignition-Sw	itched Live				
Colour:					Colour:					
ocation:					Location:					
dd Fuse:					Add Fuse:					
			Route to Batter	v		Fusebox I	ocation	1		
st Wiring Location		ly. On cars			by battery condition	on in displa	y) do no	t go to	o the b	attery
	er source careful	lly. On cars			by battery condition	on in displa	y) do no	t go to	o the b	attery
Choose power ting times, etc. Now wire positions	er source careful lotes and connection p	points etc a	with power man	agement (ID	fy correct wire in lo	ocation.	y) do no	ot go to	o the b	attery
Choose power tring times, etc. No Wire positions	er source careful lotes and connection p notes relate fittin	points etc a g bypass re	with power man	agement (ID	fy correct wire in Icsee SmartCAN Data	ocation. a	y) do no			attery
Choose power tring times, etc. Now the second secon	er source careful lotes and connection p notes relate fittin	points etc a g bypass re	with power man	agement (ID	fy correct wire in Icsee SmartCAN Data	ocation.	y) do no	1	2	attery
Choose power tring times, etc. No Wire positions These I Lights	er source careful lotes and connection protes relate fittin Vehicle Wire C	points etc a g bypass re	with power man	agement (ID	fy correct wire in Icsee SmartCAN Data	ocation. a	y) do no	1 4	2	attery
Choose power tring times, etc. No Wire positions of These in Lights LH Flasher Fog Light	er source careful lotes and connection protes relate fittin Vehicle Wire Concept of the content of the conten	points etc a g bypass re	with power man	agement (ID	fy correct wire in Icsee SmartCAN Data	ocation. a	y) do no	1 4 7	2 5 8	3 6 9
Choose power tring times, etc. Now the positions of these is the control of the c	er source careful lotes and connection protes relate fittin Vehicle Wire Concern/yellow Brown Green/white	points etc a g bypass re	with power man	agement (ID	fy correct wire in Icsee SmartCAN Data	ocation. a	y) do no	1 4 7 10	2 5 8 11	3 6 9
Choose power ting times, etc. No Wire positions of These in Lights LH Flasher Fog Light RH Flasher RH Side Light	er source careful lotes and connection protes relate fittin Vehicle Wire Concept of the content of the conten	points etc a g bypass re	with power man	agement (ID	fy correct wire in Icsee SmartCAN Data	ocation. a	y) do no	1 4 7	2 5 8	3 6 9
Choose power tring times, etc. Now the positions of these is the control of the c	er source careful lotes and connection protes relate fittin Vehicle Wire Concerning Green/yellow Brown Green/white Orange	points etc a g bypass re	with power man	agement (ID	fy correct wire in Icsee SmartCAN Data	ocation. a	y) do no	1 4 7 10	2 5 8 11	3 6 9

Quality, Service, Innovation

7-Core Entry Point		onger 7 Core Cable		Bypass Recommended If TF2302, see SmartCAN data		Other	ther Relay Recomende			
Chassis R/H or in Ca	ab 2	Im if going to cab	None	None			TF2100T/TF2005T/TF115F			
Automatic Trailer F	lasher Monitor F	Reversing Sensor		Cut Out Switch, e	tc.	Mfr's	Γowi	ng Plu	q	
				,,,		21 Mul				
Find Constant Live				Find Ignition-Swit	ched Live					
Colour:				Colour:						
Location:				Location:						
Add Fuse:				Add Fuse:						
Add Fuse.				Add I use.						
Best Wiring Location	on	Route to B	Battery		Fusebox Lo	ocation				
Choose pow	er source carefully	On cars with power	management (ID	by battery condition	n in display)) do not	go to	the b	attery.	
Fitting times, etc. Nultiplug: block conn		rommet on O/S rear b	oulkhead. Blank gro	ommet above this giv	es access to	cab fron	n out	side.		
		ints etc are given. Us bypass relay. For TF			cation.		1	2	3	
		bypass relay. For TF		see SmartCAN Data	cation.	- I	1 4	5	3 6	
These	notes relate fitting	bypass relay. For TF	2302 SmartCAN,	see SmartCAN Data			1 4 7		3 6 9	
These Lights	Vehicle Wire Co	bypass relay. For TF	2302 SmartCAN, s	see SmartCAN Data			1 4 7 10	5	3 6 9	
These	Vehicle Wire Co Green/black	lours Alte	2302 SmartCAN, s	see SmartCAN Data			7	5	6 9	
Lights LH Flasher Fog Light	Vehicle Wire Co Green/black Red/blue	lours Alte	2302 SmartCAN, strative en/white en/black	see SmartCAN Data			7	5 8	6 9	
Lights LH Flasher Fog Light RH Flasher	Vehicle Wire Co Green/black Red/blue Green/white	lours Alte Gree Gree Shal	2302 SmartCAN, strative en/white en/black	see SmartCAN Data			7	5	6 9	
Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire Co Green/black Red/blue Green/white Red/black	lours Alte Gree Gree Shal	2302 SmartCAN, s rnative en/white en/black red te/brown	see SmartCAN Data			7	5 8	6 9	

Quality, Service, Innovation

ar Data Sneet						FC	ora 5-	ma	X IVIF	V 2	UU
7-Core Entry Point		Longer 7 (Core Cable		Bypass Recommend F2302, see SmartCA		Other	Rela	y Reco	mend	ed
19/21 drain plugs				TF2302	SmartCAN		TF221	8/7SI	MARTI	OGIC	
Automatic Trailer Fla	sher Monitor	Reversing	Sensor		Cut Out Switch, etc) .	Mfr's	Towi	ng Plu	g	
Find Constant Live					Find Ignition-Switch	hed Live					
Colour: Blue/red					Colour:						
Location: Fusebox	Location: Fusebox				Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	<u> </u>		Route to Battery			Fusebox L	ocation				
19						19					
Choose power	source careful	y. On cars	with power manag	ement (ID	by battery condition	in display) do not	go to	the b	attery.	
Fitting times, etc. No	otes										
Multiplug behind bump	er is not for light	S									
Data below refers to by For SmartCAN fitting,	ypass fitting only see SmartCAN D	vata									
					y correct wire in loc see SmartCAN Data	ation.		1	2	3	
Lights	Vehicle Wire C	olours	Alternative		Lo	cation		7	5	6	
LH Flasher	Grey/orange					19	-	-	8	,	-
Fog Light	Brown/green					19		10	11	12	
RH Flasher	Green/orange					21				Щ	
RH Side Light	White/orange					21		13	14	15	
Brake Light	Violet/brown					19					

19

19

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LH Side Light

Reverse

Purple/green

Green/brown

Quality, Service, Innovation

Ford Transit Connect SWB/LWB Jan 2002 - June

7-Core Entry Point		Longer 7 C	ore Cable		Bypass Recommend F2302, see SmartCA		Other R	elay F	Recor	nended
18 Wheel arch		2m		TF2218/7	'SMARTLOGIC					
Automatic Trailer Fla	asher Monitor	Reversing	Sensor		Cut Out Switch, etc	C.	Mfr's To	wing	Plug	
Find Constant Live		I			Find Ignition-Switch	hed Live				
Colour:					Colour:					
Location: 21					Location:					
Add Fuse: Slot 46 o	r 35				Add Fuse:					
Best Wiring Location	n		Route to Battery			Fusebox Lo	cation			
21 Remove cluster					(Glove box (be	ehind) 7			
Fitting times, etc. No		y. On cars (viii powei manag	ement (ID	by battery condition	тт атэргауу	uo not g	0 10 11		ttery.
					y correct wire in loc ee SmartCAN Data	ation.			2	3
These n		g bypass re			ee SmartCAN Data	ation.	╌┋	4	5	3
	otes relate fitting	g bypass re	lay. For TF2302 Sn		ee SmartCAN Data		╌┋	4	-	3 6 9
These n	Vehicle Wire C	g bypass re	lay. For TF2302 Sn		ee SmartCAN Data	cation		7	5	3 6 9
These n Lights LH Flasher	Vehicle Wire C	g bypass re	lay. For TF2302 Sn		ee SmartCAN Data	cation		7	5	6 9
These n Lights LH Flasher Fog Light	Vehicle Wire C Blue Green/yellow	g bypass re	lay. For TF2302 Sn		ee SmartCAN Data	cation lamp		0 1	5	6 9
These n Lights LH Flasher Fog Light RH Flasher	Vehicle Wire C Blue Green/yellow Blue/red	g bypass re	lay. For TF2302 Sn		ee SmartCAN Data	cation) lamp		0 1	5 8 111	9
Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire C Blue Green/yellow Blue/red Orange	g bypass re	Alternative		ee SmartCAN Data Lo 19	cation lamp 21 21		4 : 7 : 0 : 1	5 8 111	9

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Quality, Service, Innovation

Ford Transit Connect Van 2006 -

7-Core Entry Poin	L	₋onger 7 C	ore Cable	ı	Bypass Re If TF2302, see			Othe	r Rela	y Reco	omeno	bet
19	2	2m		TF22	18/7SMARTLO	OGIC						
Automatic Trailer	Flasher Monitor F	Reversing S	Sensor		Cut Out S	Switch, e	tc.	Mfr's	Towi	ng Plu	a	
						,					<u> </u>	
Find Constant Live	e				Find Igni	tion-Swit	ched Live					
Colour:					Cold	our:						
Location: Fuseb	ΩX				Locati	on:						
Add Fuse: Slot 46					Add Fu	se:						
Best Wiring Locat	ion		Route to Battery	,			Fusebox L	ocation.	1			
19 (21)							Glove box					
Choose por	wer source carefully.	. On cars w	vith power mana	agement ((ID by battery	conditio	n in display) do no	t go to	the b	attery	'-
Fitting times, etc.	Notes											
	s and connection poi e notes relate fitting l						cation.		1	2	3	L
Lights	Vehicle Wire Col	lours	Alternativ	'e		Lo	ocation		4	5	6	ı
LH Flasher	Blue						19		7	8	9	₽
Fog Light	Green/yellow								10	11	12	
RH Flasher	Blue/red						21					
RH Side Light	Orange						21		13	14	15	
Brake Light	Green/red						19					
LH Side Light	Orange/white						10					
Li i Olde Ligit	Orango, mino						19		16	17	18	

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7-Core Entry Point		Longer 7 C	ore Cable		Bypass Recomme F2302, see SmartC		Othe	r Rela	y Reco	omend
		2m		TF2218/	7SMARTLOGIC					
Automatic Trailer F	lasher Monitor	Reversing	Sensor		Cut Out Switch, e	etc.	Mfr's	Towi	ng Plu	q
					·					<u> </u>
Find Constant Live					Find Ignition-Swi	tched Live				
Colour:					Colour:					
Location: Battery					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Location	on	T	Route to Battery	1		Fusebox Lo	ocation	1		
			Under seat: 12							
Choose now	er source carefully	/ On cars v	vith nower mana	gement (ID	by battery condition	on in display	do no	t ao t	o the b	atterv
Fitting times, etc. N			The power mana	gomoni (iz	by sationy contains	m alopiay,		. 90		
	and connection po									
Limbto			ay. For TF2302 S	SmartCAN, s	see SmartCAN Data	1	- 1	4	5	3
Lights	Vehicle Wire Co			SmartCAN, s	see SmartCAN Data	ocation				3 6 9
LH Flasher	Vehicle Wire Co		ay. For TF2302 S	SmartCAN, s	see SmartCAN Data	ocation 21		7	5	6 9
LH Flasher Fog Light	Vehicle Wire Co Grey/orange Red		ay. For TF2302 S	SmartCAN, s	see SmartCAN Data	ocation 21 21		4	5	3 6 9
LH Flasher Fog Light RH Flasher	Vehicle Wire Co Grey/orange Red Green/orange		ay. For TF2302 S	SmartCAN, s	see SmartCAN Data	ocation 21 21 21		7 10	5 8 11	6 9
LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire Co Grey/orange Red Green/orange Yellow/grey		ay. For TF2302 S	SmartCAN, s	see SmartCAN Data	ocation 21 21 21 21 21		7	5	6 9
LH Flasher Fog Light RH Flasher	Vehicle Wire Co Grey/orange Red Green/orange		ay. For TF2302 S	SmartCAN, s	see SmartCAN Data	ocation 21 21 21		7 10	5 8 11	6 9

Quality, Service, Innovation

Reverse

Purple/black

20

21

7-Core Entry Poin	t	Longer 7	Core Cable		Bypass Recommer F2302, see SmartC		Other R	elay Re	comen	bet
				None			TF2100	Τ		
Automatic Trailer	Flasher Monitor	Reversing	Sensor		Cut Out Switch, e	etc.	Mfr's To	wing P	lug	
							Under v	eh by sp	are	
Find Constant Liv	e				Find Ignition-Swi	tched Live				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Locat	ion		Route to Battery	,		Fusebox Lo	ocation			
Under 19/20 by spa	are									
Choose por	wer source careful	lly. On cars	with power mana	gement (ID	by battery condition	n in display) do not g	o to the	battery	·-
Fitting times, etc.	Notes									
Wiring TF2100T : F	Pin 1-Red (ind switc	h) Pin 2- Gre	ey (link) Pin 3-Blue	(supply+ve)	Pin 4-Gr	ey (link) Pin	5-White (e	arth)		
Flasher monitor: manitoring. Condition					le flashers are oper	ating. If flash	ers race, v	ehicle is	self-	
New tunable TF210	00T and TF2005 wo	rk on the late	est Transits but ch	eck the pin p	ositions.					
Tipper. Access loor behind step.	m on NS between n	netal beams.	Main loom runs Li	HS. Follow th	is for flying lead bu	zzer (TF115F	L). Store b	ouzzer u	nder NS	seat,
					y correct wire in lo ee SmartCAN Data			1 2	3	
Lights	Vehicle Wire (Colours	Alternative	9	L	ocation		7 8	9	
LH Flasher	Orange/yellow							+	+	-
Fog Light	Green/yellow						1	0 11	12	
RH Flasher	Orange/blue						1 -			-
RH Side Light	Orange/black		Thick				١ ١	3 14	15	
Brake Light	Orange		Orange/bla	ack						
LH Side Light	Orange		Thick					6 47	40	■

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Green

Reverse

ar Data Snee	et				Honda	a Accord	a Est	ate	Sprii	1g 20
7-Core Entry Point		Longer 7 (Core Cable		Bypass Recommer F2302, see SmartC		Othe	r Rela	y Reco	omendo
Grommet, rear X mer	mber	2m		TF2218/	7SMARTLOGIC					
Automatic Trailer Fl	asher Monitor	Reversing	Sensor		Cut Out Switch, e	etc.	Mfr's	Towi	ng Plu	g
Find Constant Live					Find Ignition-Swi	tched Live				
Colour:					Colour:					
Location: Battery	· ·				Location:					
Add Fuse:	•				Add Fuse:					
Best Wiring Locatio	n		Route to Battery			Fusebox L	.ocation			
21						Dash, R/H	(12)			
Choose power	er source carefu	lly. On cars	with power manag	ement (ID	by battery condition	n in display	/) do no	t go to	the b	attery.
Fitting times, etc. N			ila i.a							
Constant live Green/	· · · · · · · · · · · · · · · · · · ·									
Bypass: Manufacture	ers kit uses bypas	is relays. por	wer from fuse box							
					fy correct wire in lo see SmartCAN Data			1	2	3
Lights	Vehicle Wire (Colours	Alternative		L	ocation		7	5	9
LH Flasher	Red/blue							_	-	-
Fog Light	Red/white				Loc	om to roof		10	11	12
RH Flasher	Brown									\square
RH Side Light	Red/black							13	14	15
Brake Light	White/black									
I H Side Light	Red/black									\vdash

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7-Core Entry Poi	nt	Longer 7	Core Cable	lf '	Bypass Recommer TF2302, see SmartC		Othe	r Rela	y Reco	omeno	led
				Fog (TF	FC1 or TF1011)						
Automatic Trailer	r Flasher Monitor	Reversin	g Sensor		Cut Out Switch, e	atc.	Mfr's	Towi	ing Plu	a	
Automatic Trailer	i i iasilei wonitoi	Keversiii	g Selisoi		Cut Out Switch, e		IVIII S	IOW	ilig i iu	9	
Find Constant Liv	ve				Find Ignition-Swi	tched Live					
Colour:					Colour:						
	/ aerial? See note				Location:						
Add Fuse:	denai: occ note				Add Fuse:						
7 taa 1 usc.					7.00 7.000.						
Best Wiring Loca	ation		Route to Battery	,		Fusebox L	ocation.	1			
	PU/Relay burn out if		Use Bypass as ind	icated.							
	bypass needed on fo	og									
Power socket on S	SOME only.										
					ify correct wire in lo see SmartCAN Data			1	2	3	
Lights	Vehicle Wire	Colours	Alternative	е	L	ocation		7	5		
LH Flasher	Green/yellow							Ė		,	ſ
Fog Light	Red/green							10	11	12	
RH Flasher	Green/blue							<u> </u>			
RH Side Light	t Red/black							13	14	15	
Brake Light	Green/white							Ĺ			
LH Side Light	Red/black							16	17	18	
Davaras	Croon/blook										

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Quality, Service, Innovation

LH Side Light

Reverse

Red/black

Green

ar Data Sneet					Honua F	ACCOI O	Jaio	011 20
7-Core Entry Point	Longer	7 Core Cable	ı		commended SmartCAN data	Other Re	elay Rec	omende
			TF22	18/7SMARTLC	OGIC			
Automatic Trailer Flash	er Monitor Reversi	ng Sensor		Cut Out S	Switch, etc.	Mfr's To	wing Plເ	ıg
Find Constant Live				Find Ignit	tion-Switched Live			
Colour:				Colo	our:			
Location:				Locati	on:			
Add Fuse:				Add Fu	se:			
Best Wiring Location		Route to Battery			Fusebox Lo	cation		
21		Bulkhead L/H						
Choose power so	ource carefully. On car	rs with power mana	gement ((ID by battery	condition in display)	do not go	to the b	pattery.
Fitting times, etc. Notes	 S							
Bypass: Manufacturer's k		power from fuse box						
	connection points etc					1		3
Lights V	ehicle Wire Colours	Alternative	9		Location	7		- 6
LH Flasher B	lue/red				19	-	- 6	,
Fog Light R	led/white				3: Connector behind se	2; 10	11	12
RH Flasher B	rown				19	1		\perp
RH Side Light R	ted/black				19	1,1	14	15
Brake Light W	/hite/black				19			

19

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7-Core Entry Point		Longer 7 C	ore Cable		Bypass Recommer F2302, see SmartC		Othe	r Rela	y Reco	meno	led
				TF2218/7	7SMARTLOGIC						
Automatic Trailer Fl	asher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's	Towi	ng Plu	a	
									<u> </u>		
Find Constant Live					Find Ignition-Swi	tched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Locatio	n	-	Route to Battery			Fusebox Lo	cation				
		1	Grommet at 9								
Choose power	er source careful	lly. On cars v	vith power mana	gement (ID	by battery conditio	n in display)	do no	t go to	o the b	attery	
Fitting times, etc. N	lotes										
Mina manidiana			U								
					y correct wire in lo ee SmartCAN Data			1	2	3	
These r	notes relate fittin	ng bypass rela	ay. For TF2302 S	martCAN, s	ee SmartCAN Data	1		1 4	2	3	
These r	Vehicle Wire 0	ng bypass rela		martCAN, s	ee SmartCAN Data			-		3 6 9	
These r Lights LH Flasher	Vehicle Wire C	ng bypass rela	ay. For TF2302 S	martCAN, s	ee SmartCAN Data	ocation		7	5	6	
Lights LH Flasher Fog Light	Vehicle Wire C Blue White	ng bypass rela	ay. For TF2302 S	martCAN, s	ee SmartCAN Data	1		4	5	3 6 9	
Lights LH Flasher Fog Light RH Flasher	Vehicle Wire C Blue White Green	ng bypass rela	ay. For TF2302 S	martCAN, s	ee SmartCAN Data	ocation		10	5 8	6 9	
Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire C Blue White Green Red	ng bypass rela	ay. For TF2302 S	martCAN, s	ee SmartCAN Data	ocation		7	5	6	
Lights LH Flasher Fog Light RH Flasher	Vehicle Wire C Blue White Green	ng bypass rela	ay. For TF2302 S	martCAN, s	ee SmartCAN Data	ocation		10	5 8	6 9	

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Car Data Sheet Honda Civic All 2001 -

7-Core Entry Point		Longer 7 (Core Cable		Bypass Recommer F2302, see SmartC		Other	Rela	y Reco	meno	led
Mfr. Grommet				None							
Automatic Trailer Fl	lasher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's	Towi	ng Plu	a	
					,				(not all)		
Find Constant Live					Find Ignition-Swit	ched Live					
Colour:	-				Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	on		Route to Battery			Fusebox L	.ocation				
21											
Choose power	er source careful	ly. On cars	with power mana	gement (ID	by battery conditio	n in display	/) do not	go to	the b	attery	
Fitting times, etc. N	lotes										
Wire positions	and connection	oints etc a	e given. Use prol	be to identif	y correct wire in lo	cation.					1
					y correct wire in lo ee SmartCAN Data			1	2	3	
		g bypass re		SmartCAN, s	ee SmartCAN Data			4	5	3	
These	notes relate fittin	g bypass re	lay. For TF2302 S	SmartCAN, s	ee SmartCAN Data			\vdash		3 6 9	
These I	Vehicle Wire C	g bypass re	lay. For TF2302 S	SmartCAN, s	ee SmartCAN Data	ocation		4	5	3 6 9	
These	Vehicle Wire C	g bypass re	lay. For TF2302 S	SmartCAN, s	ee SmartCAN Data	ocation		7	5	6	
Lights LH Flasher Fog Light	Vehicle Wire C Green/red Red/white	g bypass re	lay. For TF2302 S	e	ee SmartCAN Data	ocation		7	5	6	
Lights LH Flasher Fog Light RH Flasher	Vehicle Wire C Green/red Red/white Green/yellow	g bypass re	Alternative	e	ee SmartCAN Data	ocation		4 7 10	5 8	9	
Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire C Green/red Red/white Green/yellow Red/orange	g bypass re	Alternative	e	ee SmartCAN Data	ocation		4 7 10	5 8	9	

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Quality, Service, Innovation

Honda Civic Estate Apr 1998 -

7-Core Entry Point		Longer 7 (ore Cable		Bypass Recommer F2302, see SmartC		Other R	elay Red	omeno	led
				None						
Automatic Trailer Flas	sher Monitor	Reversing	Sensor		Cut Out Switch, e	tc	Mfr's To	wing Pi	IIU	
	STICE MICHIES	reversing	0011001		out out ownon, c		19	willigit	<u>ug</u>	
Find Constant Live					Find Ignition-Swit	ched Live				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Location			Route to Battery			Fusebox Lo	cation			
Choose power	source careful	y. On cars	with power manage	ement (ID	by battery conditio	n in display)	do not g	to the	battery	-
Fitting times, etc. Not	tes									
\A/!										
wire positions an	d connection p	oints etc ar	e given. Use probe	to identify	correct wire in lo	cation.	Г	2	3	
wire positions an These no	nd connection partes relate fitting	oints etc ar g bypass re	e given. Use probe lay. For TF2302 Sm	to identify aartCAN, s	y correct wire in lo ee SmartCAN Data	cation.			3	
These no	d connection pates relate fitting	g bypass re	re given. Use probe lay. For TF2302 Sm Alternative	to identif	ee SmartCAN Data	cation.	- E	5	3 6	
These no	tes relate fitting	g bypass re	lay. For TF2302 Sm	to identif	ee SmartCAN Data			5	3 6 9	
Lights LH Flasher	tes relate fitting	g bypass re	lay. For TF2302 Sm	to identify artCAN, s	ee SmartCAN Data		- E	5 8	3 6 9	
Lights LH Flasher Fog Light	Vehicle Wire C	g bypass re	lay. For TF2302 Sm	to identif	ee SmartCAN Data			5 8	6	
Lights LH Flasher Fog Light	Vehicle Wire C Blue/green Red/white	g bypass re	lay. For TF2302 Sm	to identify	ee SmartCAN Data			\$ 5 7 8 0 11	6	
Lights LH Flasher Fog Light RH Flasher	Vehicle Wire C Blue/green Red/white Green/yellow	g bypass re	lay. For TF2302 Sm	to identify	ee SmartCAN Data			\$ 5 7 8 0 11	6 9	
Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire C Blue/green Red/white Green/yellow Red	g bypass re	lay. For TF2302 Sm	to identify	ee SmartCAN Data			\$ 5 7 8 0 11	6 9	

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Quality, Service, Innovation

Reverse

Brown

Car Data She	eet					Honda C	Civic I	Hatc	hba	ck 2	006 -
7-Core Entry Poin	t	Longer 7 (Core Cable		Bypass Recomm If TF2302, see Smar		Othe	r Rela	y Reco	omend	ed
Grommet: number	plate light	2m		TF22	18/7SMARTLOGIC						
Automatic Trailer	Flasher Monitor	Reversing	Sensor		Cut Out Switch	, etc.	Mfr's	Towi	ng Plu	g	
Find Constant Liv	re				Find Ignition-S	witched Live					
Colour: Blue					Colour:						
Location: Fuseb	юх				Location:						
Add Fuse:					Add Fuse:						
Best Wiring Local	tion		Route to Batter	ry		Fusebox L	ocation	1			
15						Footwell R	/H (12)				
Choose po	wer source carefu	illy. On cars	with power man	agement	(ID by battery condi	tion in display	/) do no	t go to	the b	attery.	
Fitting times, etc.	. Notes										
Boot trim hard to re	emove (1.5 hrs)										
					ntify correct wire in N, see SmartCAN Da			1 4	2	3	
Lights	Vehicle Wire	Colours	Alternati	ve		Location		7	8	-	
LH Flasher	Blue					19	•	\vdash		-	-
Fog Light	Yellow					15 - 21		10	11	12	
RH Flasher	Brown		3 - Test			15 - 21		\vdash		\vdash	
RH Side Light	Red					15 - 21		13	14	15	
Brake Light	Light green					15 - 21					
LH Side Light	Red					19		16	17	18	

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3 - Test

15

7-Core Entry Point		Longer 7 C	Core Cable		Bypass Recommer F2302, see SmartC		Other	Rela	y Reco	mend	ed
Centre rear				None							
Automatic Trailer Fl	asher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's	Towi	ng Plu	7	
ind Constant Live					Find Ignition-Swit	ched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Locatio	ın.		Route to Battery			Fusebox L	ocation				
1											
Choose power	er source careful	ly. On cars \	with power mana	gement (ID	by battery conditio	n in display) do not	go to	the ba	attery	
Fitting times, etc. N	lotes										
Wire positions	and connection p	oints etc ar	e given. Use prol	be to identif	ry correct wire in lo	cation.	-				
					y correct wire in lo see SmartCAN Data			1	2	3	•
		g bypass rel		SmartCAN, s	see SmartCAN Data			4	5	3	•
These	notes relate fittin	g bypass rel	lay. For TF2302 S	SmartCAN, s	see SmartCAN Data					3 6 9	
These I	Vehicle Wire C	g bypass rel	lay. For TF2302 S	SmartCAN, s	see SmartCAN Data			4	5	3 6 9	
These I Lights LH Flasher	Vehicle Wire C	g bypass rel	lay. For TF2302 S	SmartCAN, s	see SmartCAN Data			7	5	6	
Lights LH Flasher Fog Light	Vehicle Wire C Green/red Red/white	g bypass rel	lay. For TF2302 S	SmartCAN, s	see SmartCAN Data			4 7 10	5 8 11	6 9	
Lights LH Flasher Fog Light RH Flasher	Vehicle Wire C Green/red Red/white Green/yellow	g bypass rel	lay. For TF2302 S	SmartCAN, s	see SmartCAN Data			7	5	6	
Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire C Green/red Red/white Green/yellow Red/yellow	g bypass rel	lay. For TF2302 S	SmartCAN, s	see SmartCAN Data			4 7 10	5 8 11	6 9	

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Quality, Service, Innovation

Honda Civic Stream All 2003 -

7-Core Entry Point		Longer 7 (Core Cable		Bypass Recommer F2302, see SmartC		Other	Rela	y Reco	mend	ed
Mfr. Grommet				None							
Automatic Trailer Fl	asher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's	Towi	ng Plu	7	
										<u>-</u>	
ind Constant Live					Find Ignition-Swit	tched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Locatio	on		Route to Battery	·		Fusebox L	ocation				
1 lamp			,	<u>'</u>							
Choose power	er source careful	ly. On cars	with power mana	agement (ID	by battery conditio	n in display) do not	go to	the b	attery	
Fitting times, etc. N	lotes										
											_
Wire positions	and connection p	oints etc a	e given. Use pro	be to identif	y correct wire in lo	cation.	-				
					y correct wire in lo see SmartCAN Data		_	1	2	3	_
These i		g bypass re		SmartCAN, s	see SmartCAN Data			4	5	3	•
	notes relate fittin	g bypass re	elay. For TF2302 S	SmartCAN, s	see SmartCAN Data	l				3 6 9	
These I	Vehicle Wire C	g bypass re	elay. For TF2302 S	SmartCAN, s	see SmartCAN Data	l		4	5	3 6 9	
These I Lights LH Flasher	Vehicle Wire C	g bypass re	elay. For TF2302 S	SmartCAN, s	see SmartCAN Data	l		7	5	6	
Lights LH Flasher Fog Light RH Flasher	Vehicle Wire C Green/red Red/white	g bypass re	elay. For TF2302 S	SmartCAN, s	see SmartCAN Data	l		7 10	5 8	9	
Lights LH Flasher Fog Light	Vehicle Wire C Green/red Red/white Green/yellow	g bypass re	elay. For TF2302 S	SmartCAN, s	see SmartCAN Data	l		7	5	6	I
Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire C Green/red Red/white Green/yellow Red/yellow	g bypass re	elay. For TF2302 S	SmartCAN, s	see SmartCAN Data	l		7 10	5 8	9	

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7-Core Entry Point		Longer 7	Core Cable		Bypass Recomme F2302, see Smart0		Other	Rela	y Reco	meno	led
19 Grommet				None							
Automatic Trailer Fl	lasher Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	a	
			,				19			<u> </u>	
Find Constant Live					Find Ignition-Sw	itched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	on		Route to Batter	у		Fusebox L	ocation				
19			Bulkhead LH (ha	arness gromm	et)	Under bonn	net				
Choose power Fitting times, etc. N		lly. On cars	with power man	agement (ID	by battery condition	on in display) do not	go to	the b	attery	<u>. </u>
					y correct wire in Idee SmartCAN Data			1 4	2	3	
Lights	Vehicle Wire 0	Colours	Alternativ	/e	l	ocation		7	8	9	
LH Flasher	Green/red									_	
EIT I Idonei	Gleen/leu						[_
Fog Light	Red/white					19		10	11	12	
						19		10	11	12	
Fog Light	Red/white		Red/greer	n		19		10	11	12	
Fog Light RH Flasher	Red/white Green/yellow		Red/greel White/gre			19					
Fog Light RH Flasher RH Side Light	Red/white Green/yellow Red/yellow			en		19					

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Car Data Sheet

| T-Core Entry Point | Longer 7 Core Cable | Bypass Recommended | Other Relay Recomended | Other Relay Recommended | Other Relay Rec

7-Core Entry Point		Longer 7	Core Cable			sypass Recomme 2302, see SmartO		Othe	r Rela	y Rec	omende
19 Grommet				TF22	18/79	SMARTLOGIC					
Automatic Trailer F	lasher Monitor	Reversin	g Sensor			Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	a
						•					<u> </u>
Find Constant Live						Find Ignition-Swi	itched Live				
						Colour:	itorica Erro				
Colour: Location:						Location:					
						Add Fuse:					
Add Fuse:						Add Fuse.					
Best Wiring Location	on		Route to Batt	erv			Fusebox L	ocation	1		
19			Bulkhead LH (•	mme	et)	Under bonn	et RH			
Choose power	er source careful	lv. On cars	s with power ma	nagement ((ID b	v battery condition	on in display) do no	t ao t	o the b	atterv.
Fitting times, etc. N		,	,		(,		,	- 3		
Titting times, etc. iv	10103										
	and connection p								1	2	3
Inese	notes relate fittin	g bypass i	relay. For 1F230	2 SmartCAr	n, se	e SmartCAN Data	a 	[4	5	6
Lights	Vehicle Wire C	olours	Alterna	tive		L	ocation		7	8	9
LH Flasher	Green/red							•	Ė	_	-
Fog Light	Red/white						21		10	11	12
RH Flasher	Green/yellow								<u> </u>		\square
RH Side Light	Red/yellow								13	14	15
Brake Light	White/black										
LH Side Light	Red/yellow								16	17	18
Reverse	Green/black										

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Green/black

Reverse

7-Core Entry Point		Longer 7 (Core Cable		pass Recommen 302, see SmartC		Other	Rela	y Reco	omende
19 Grommet in floor				None in OE	EM kit		TF22	18/7S	MARTI	OGIC
Automatic Trailer FI	asher Monitor	Reversing	Sensor	C	Cut Out Switch, e	tc.	Mfr's	Towi	ng Plu	g
Find Constant Live				F	Find Ignition-Swit	ched Live				
Colour:					Colour: Yello	w				
Location:					Location: 19					
Add Fuse:					Add Fuse:					
Best Wiring Locatio	n		Route to Battery			Fusebox L	ocation			
19/21 multiblocks										
Choose power	er source careful	lly. On cars	with power manage	ement (ID by	battery condition	n in display) do no	go to	the b	attery.
Fitting times, etc. N										
Vires change colour SP appears to be be		tic								
			e given. Use probe lay. For TF2302 Sm					1	2	3
Lights	Vehicle Wire 0	Colours	Alternative		Lo	ocation		7	5	9
LH Flasher	Green/yellow		on LHS (or E	Black/red on F	RHS)		•	,	8	,
Fog Light	Red/yellow		Blue/silver					10	11	12
RH Flasher	Green/yellow		Brown/silver							
RH Side Light	Red/black		Red					13	14	15
Brake Light	Green/white		Green							
LH Side Light	Red/black		Red					16	47	48

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Reverse

Light green

7-Core Entry Point		Longer 7 C	ore Cable	If 7	Bypass Recommo F2302, see Smart		Othe	r Rela	y Reco	omeno	bek
19/21 Grommet		3m			ters use 7-way LOGIC/2218						
Automatic Trailer Fl	lasher Monitor	Reversing \$	Sensor	_	Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	g	
Find Constant Live	<u>'</u>				Find Ignition-Sw	itched Live					
Colour:					Colour:						
Location: 21					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	on		Route to Battery			Fusebox L	ocation				
5 under kick plate											
·	er source carefully	. On cars w	vith power mana	gement (ID	by battery conditi	on in display) do no	t go to	the b	attery	·-
Fitting times, etc. N											
Il wires found under	r kick plate 15.										
	and connection po							1 4	2	3	
Lights	Vehicle Wire Co	lours	Alternative			Location		7	8	9	ł
LH Flasher	Grey							<u> </u>		-	┌
Fog Light	Orange							10	11	12	
								1 1		1	
RH Flasher	Pink							\vdash			1
RH Flasher RH Side Light	Pink Orange							13	14	15	
								13	14	15	

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7-Core Entry Point		Longer 7	7 Core Cable	If ·	Bypass Recomm FF2302, see Smart		Other Rela	y Rec	omende
					tters use 7-way LOGIC/2218				
Automatic Trailer F	lasher Monitor	Reversir	ng Sensor		Cut Out Switch	, etc.	Mfr's Tow	ing Plu	ıq
			<u></u>			,	21	<u> </u>	<u> </u>
Find Constant Live					Find Ignition-Sv	witched Live			
Colour:					Colour:				
Location: Fusebox	x (under dash)				Location:				
Add Fuse:	(Add Fuse:				
Best Wiring Location	on		Route to Batte			Fusebox L	_ocation		
Choose power	er source careful	ly. On car	s with power mai	nagement (ID	by battery condit	ion in display	y) do not go t	o the b	attery.
Fitting times, etc. N	Notes								
Fitting: Boot trim and	rear seat come or	ut (1.5 hou	rs)						
-									
					ify correct wire in		1	2	3
These	notes relate fittin	g bypass	relay. For TF2302	2 SmartCAN,	see SmartCAN Da	ıta			,
Lights	Vehicle Wire C	Colours	Alternat	ive		Location	7	5	9
LH Flasher	Green/red		2004 Gre	een/yellow			- ·	•	, ,
Fog Light	Red/yellow						10	11	12
RH Flasher	Green/yellow								\square
RH Side Light	Red/black						13	14	15
Brake Light	Green/white								
LH Side Light	Red/black						16	17	18
Reverse	Green/black	-	2004 Gr	een/vellow					

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ar Data Sneet							Hond	a J	azz <i>i</i>	411 Z
-Core Entry Point		Longer 7	Core Cable	If 7	Bypass Recommo F2302, see Smart		Other	Rela	y Reco	mend
1 Grommet				Top mo	dels-TF2218/7SMA	RTLOGIC				
Automatic Trailer Flash	ner Monitor	Reversin	g Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	g
ind Constant Live					Find Ignition-Sw	ritched Live				
Colour: High/low co	lours/ pins				Colour:					
Location: 9 or 12 mult	tiblock				Location:					
Add Fuse:					Add Fuse:					
Best Wiring Location			Route to Batter	у		Fusebox L	ocation			
21			Bulkhead L/H							
Choose power s	ource carefull	y. On cars	with power man	agement (ID	by battery conditi	on in display	/) do not	go to	the b	attery.
Fitting times, etc. Note	es									
2009 on - see alternative										
Wire positions and These note					ify correct wire in I see SmartCAN Da			1	2	3
Lights V	/ehicle Wire C	olours	Alternati	ve		Location		7	8	6
LH Flasher	Green/red		Blue				-	-		,
Fog Light V	Vhite		Purple					10	11	12
RH Flasher	Green/yellow		White					_		
RH Side Light F	Red/black		Grey					13	14	15
Brake Light V	White/black		Light gree	en						

20

Grey

LH Side Light

Reverse

Red/black

Green/red

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Honda Legend Saloon etc 1991 -2000

-Core Entry Point		Longer 7	Core Cable	If T	Bypass Recomme F2302, see Smart0		Othe	r Rela	y Reco	menc	led
Centre rear				TF1152	or TF1155						
Automatic Trailer F	asher Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	q	
									<u> </u>		
Find Constant Live					Find Ignition-Sw	tched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	n		Route to Battery	ı		Fusebox L	.ocation	l			
21			Under bonnet								
Choose pow	er source careful	ly. On cars	with power mana	agement (ID	by battery condition	on in display	/) do no	t go to	the b	attery	
Fitting times, etc. N	lotes										
			re given. Use pro		v correct wire in lo	cation.					ı
These	notes relate fittin	g bypass re						1	2	3	i .
		0 7.	elay. For TF2302 \$	SmartCAN,	see SmartCAN Data			H	_		
Lights	Vehicle Wire C		Alternativ		see SmartCAN Data			4	5	6	
Lights LH Flasher	Vehicle Wire C				see SmartCAN Data	a		7	5	6	
					see SmartCAN Data	a				9	
LH Flasher	Pink/blue				see SmartCAN Data	a		7	8	9	
LH Flasher Fog Light	Pink/blue Black/yellow				see SmartCAN Data	a		7	8	6 9 12	
LH Flasher Fog Light RH Flasher	Pink/blue Black/yellow Green/yellow				see SmartCAN Data	a		10	11		
LH Flasher Fog Light RH Flasher RH Side Light	Pink/blue Black/yellow Green/yellow Red/black				see SmartCAN Data	a		10	11		

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Quality, Service, Innovation

Honda Shuttle MPV June 1995 -

7-Core Entry Point		Longer 7 (Core Cable	If T	Bypass Recommer F2302, see SmartC		Other Rela	y Reco	mende
				None					
Automatic Trailer Fl	asher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's Tow	ng Plu	a q
					,				<u> </u>
Find Constant Live					Find Ignition-Swit	ched Live			
Colour:					Colour:				
Location:					Location:				
Add Fuse:					Add Fuse:				
7,44,1,456.					7100 7 000				
Best Wiring Locatio	n		Route to Battery			Fusebox Lo	ocation		
Choose power		y. On cars	with power manag	jement (ID	by battery conditio	n in display)	do not go t	o the b	attery.
itting times, etc. N	iotes								
Wire positions	and connection p	oints etc a	re given. Use prob	e to identi	fy correct wire in lo	cation.	1	2	3
i nese r	notes relate fitting	i bypass re					_		I 🖛
1				martoan, s	see SmartCAN Data		4	5	6
Lights	Vehicle Wire Co	olours	Alternative			ocation	4	5	6 9
Lights LH Flasher	Vehicle Wire Co	olours							9
	Green/blue Tan	olours							9
LH Flasher	Green/blue	olours					7	8	9 12
LH Flasher Fog Light	Green/blue Tan	olours					7	8	6 9 12
LH Flasher Fog Light RH Flasher	Green/blue Tan Green/yellow	olours					10	11	
LH Flasher Fog Light RH Flasher RH Side Light	Green/blue Tan Green/yellow Red/black	plours					10	11	

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Quality, Service, Innovation

Hyundai Accent Hatchback Jan 2000 -

-Core Entry Point		Longer 7 (Core Cable		Bypass Recomme F2302, see Smart0		Othe	r Rela	y Reco	meno	led
9 Grommet				None							
utomatic Trailer F	lasher Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	q	
					,						
ind Constant Live					Find Ignition-Sw	itched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
est Wiring Location	on		Route to Batter	v		Fusebox L	.ocation	1			
9				•							
Choose pow	er source careful	ly. On cars	with power man	agement (ID	by battery condition	on in display	/) do no	t go to	the b	attery	
itting times, etc. N	lotes										
Wire positions	and connection i	oints etc a	re given. Use pro	be to identif	y correct wire in lo	ocation.					
	notes relate fittin							1	2	3	-
Lights					occ omanoan ban						
	Vehicle Wire C	colours	Alternativ			ocation		4	5	6	
LH Flasher	Green/blue	Colours	Alternativ					7	8	9	
_			Alternation							9	
LH Flasher	Green/blue		Alternativ					7	8	9	
LH Flasher Fog Light	Green/blue Light green/bla		Alternativ					10	11		
LH Flasher Fog Light RH Flasher	Green/blue Light green/bla Green/yellow		Alternativ					7	8	12	
LH Flasher Fog Light RH Flasher RH Side Light	Green/blue Light green/bla Green/yellow Green/black		Alternativ					10	11		

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		Longer 7	Core Cable		Bypass Recommer F2302, see SmartC		Other Rela	ay Reco	omende
Fog-light gromme	et			None					
tomatic Trailer F	lasher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's Tow	ing Plu	g
									<u> </u>
nd Constant Live	<u> </u>				Find Ignition-Swi	ched Live			
Colour:					Colour:				
_ocation:					Location:				
dd Fuse:					Add Fuse:				
st Wiring Location, 21	on		Route to Battery RHS Grommets by			Fusebox Lo	ocation		
Choose pow	er source carefully	. On cars	with power manag	ement (ID	by battery conditio	n in display)	do not ao t	o the b	atterv.
·				(-		ii iii dispiay)			<i>,</i> -
tting times, etc. N	Notes					iiii display)			
tting times, etc. N	Notes and connection ponotes relate fitting		re given. Use prob	e to identif	y correct wire in lo	cation.	1	2	3
tting times, etc. No. 1	and connection po	bypass re	re given. Use prob	e to identif	y correct wire in lo ee SmartCAN Data	cation.	1 4	2 5	
tting times, etc. N	and connection po	bypass re	re given. Use prob	e to identif	y correct wire in lo ee SmartCAN Data	cation.	1	2	3
Wire positions These	and connection po notes relate fitting Vehicle Wire Co	bypass re	re given. Use prob	e to identif	y correct wire in lo ee SmartCAN Data	cation.	1 4	2 5	3 6
Wire positions These Lights LH Flasher	and connection ponotes relate fitting Vehicle Wire Congression or white	bypass re	re given. Use prob	e to identif	y correct wire in lo ee SmartCAN Data	cation.	1 4 7	2 5 8	3 6 9
Wire positions These Lights LH Flasher Fog Light	and connection ponotes relate fitting Vehicle Wire Congreen or white Red	bypass re	re given. Use prob	e to identif	y correct wire in lo ee SmartCAN Data	cation.	1 4 7 10	2 5 8	3 6 9 12
Wire positions These Lights LH Flasher Fog Light RH Flasher	and connection ponotes relate fitting Vehicle Wire Concept Green or white Red Grey	bypass re	re given. Use probelay. For TF2302 Sr	e to identif	y correct wire in lo ee SmartCAN Data	cation.	1 4 7	2 5 8	3 6 9
Wire positions These Lights LH Flasher Fog Light RH Flasher RH Side Light	and connection ponotes relate fitting Vehicle Wire Congreen or white Red Grey Brown/black	bypass re	re given. Use probelay. For TF2302 Sr	e to identif	y correct wire in lo ee SmartCAN Data	cation.	1 4 7 10	2 5 8	3 6 9 12

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LH Side Light

Reverse

Yellow

ar Data Snee	: T				ı	iyundai	⊏ianti	ra S	aio	on 20	บบา
7-Core Entry Point		Longer 7 C	ore Cable		Bypass Recomme F2302, see Smart0		Other	Relay	/ Reco	mend	ed
				None							
Automatic Trailer Fl	asher Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's	Towir	ng Plu	g	
Find Constant Live					Find Ignition-Sw	itched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Locatio	n		Route to Battery			Fusebox L	ocation				
			Under bonnet LH								
Choose power	er source carefull	y. On cars v	vith power manag	gement (ID	by battery condition	on in display) do not	go to	the ba	attery.	
Fitting times, etc. N				•							
Warning: If you pierc		ble access,	make sure you lea	ve it gas tig	ht to avoid fumes g	etting into the	e passenç	ger co	mpartı	ment.	
Power: Go to battery	via blind grommet	in footwell a	t 10 or 12		-				-		
140											
					fy correct wire in lo see SmartCAN Data			1	2	3	_
							→ I I	4	5	6	
Lights	Vehicle Wire C	Diours	Alternative		L	ocation	▋	7	8	9	
LH Flasher	Yellow/red						_ [10	11	12	
Fog Light	White/black					13	_	10	11	12	
RH Flasher	Blue						_	\dashv		\vdash	
RH Side Light	Brown/orange							13	14	15	_
Brake Light	White										

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Reverse

7-Core Entry Point		Longer 7 Co	ore Cable		Bypass Recomme F2302, see Smart0		Othe	r Rela	y Reco	omend	led
Fog light				None							
Automatic Trailer Fl	lasher Monitor	Reversing S	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	ıa	
	acinor monitor	Trovoroning C								9	
ind Constant Live					Find Ignition-Sw	itched Live					
Colour:					Colour:					-	
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	on	ı	Route to Battery			Fusebox L	ocation	1			
9/21 multiblocks											
Choose power	er source carefull	y. On cars w	rith power manag	jement (ID	by battery condition	on in display) do no	t go to	the b	attery	
Fitting times, etc. N	lotes										
Viring: Prepare wirin	g before refitting b	umper.									
					fy correct wire in losee SmartCAN Dat			1 4	2	3	
Lights	Vehicle Wire C	olours	Alternative		l	_ocation		7	8	-	
LH Flasher	Blue/red							\vdash		+	
Fog Light	Green							10	11	12	
RH Flasher	Grey							\vdash		\sqcup	
RH Side Light	Pink							13	14	15	
Brake Light	Blue					19					
LH Side Light	Pink							40	47	40	

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7-Core Entry Point		Longer 7 C	ore Cable		Bypass Recommer F2302, see SmartC		Other	Rela	y Reco	meno	led
				None in (DEM kit		TF22	18/7S	MARTI	OGIC	,
Automatic Trailer Fl	asher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's	Towi	ng Plu	a	
		J							J		
Find Constant Live					Find Ignition-Swi	tched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Add I use.					Add I doc.						
Best Wiring Locatio	n		Route to Batter	y		Fusebox Lo	cation				
16, 19				-							
Choose power	er source careful	lv. On cars v	with power man	agement (ID	by battery conditio	n in displav	do not	ao t	o the b	atterv	
Fitting times, etc. N					.,						
Titting times, etc. it											
					y correct wire in lo			1	2	3	
					y correct wire in lo ee SmartCAN Data			-	2	3	
		g bypass re		SmartCAN, s	ee SmartCAN Data			1 4 7		3 6 9	
These r	notes relate fittin	g bypass re	ay. For TF2302	SmartCAN, s	ee SmartCAN Data	l		4	5	3 6 9	
These r	Vehicle Wire	g bypass re	ay. For TF2302	SmartCAN, s	ee SmartCAN Data	l		4	5	3 6 9	
These r Lights LH Flasher	Vehicle Wire (g bypass re	ay. For TF2302	SmartCAN, s	ee SmartCAN Data	l		4	5	6	
Lights LH Flasher Fog Light	Vehicle Wire (Grey Orange	g bypass re	ay. For TF2302	SmartCAN, s	ee SmartCAN Data	l		4	5	6	
Lights LH Flasher Fog Light RH Flasher	Vehicle Wire G Grey Orange White/orange	g bypass re	ay. For TF2302	SmartCAN, s	ee SmartCAN Data	l		7	5 8	9	
Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire (Grey Orange White/orange Pink	g bypass re	ay. For TF2302	SmartCAN, s	ee SmartCAN Data	l		7	5 8	9	

Quality, Service, Innovation

LH Side Light

Reverse

Yellow

White

Jai Data Silee	; L						riyui	ıuaı	130 /	~ II ~ '	001
7-Core Entry Point		Longer 7 (Core Cable	If T	Bypass Recomme F2302, see Smart0		Othe	r Rela	y Reco	omend	ed
19 (21 in Estate) Gro	mmet in floor			TF2218/	7SMARTLOGIC						
Automatic Trailer F	lasher Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	ıg	
Find Constant Live					Find Ignition-Swi	tched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	on		Route to Batter	ry		Fusebox L	.ocation	1			
19/21											
Choose pow	er source carefu	lly. On cars	with power man	agement (ID	by battery condition	n in display	/) do no	t go to	the b	attery.	
Fitting times, etc. N	lotes										
7-core entry: insert c	able before fitting	bar.									
					y correct wire in lo see SmartCAN Data			1	2	3	•
Lights	Vehicle Wire	Colours	Alternati	ve	L	ocation		7	5	6	
LH Flasher	Yellow/orange		Grey/orar	nge		19		\vdash	8	,	-
Fog Light	White/black		Orange			19		10	11	12	
RH Flasher	Blue		White/red	i		21		$\vdash \vdash$		\sqcup	
RH Side Light	Brown/orange		Pink			21		13	14	15	
Brake Light	White		Grey/blac	k		19					

Red/black

19

Quality, Service, Innovation

7-Core Entry Point		Longer 7	Core Cable		Bypass Recomme F2302, see Smart0		Othe	r Rela	y Reco	omeno	led
19 Grommet				TF2218/	7SMARTLOGIC						
Automatic Trailer F	lasher Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	a	
			, 0000.		On dash	<u></u>				<u> </u>	
Find Constant Live					Find Ignition-Sw	itched Live					
Colour:					Colour:						
Location: Fusebo	ıy				Location:						
Add Fuse:	'A				Add Fuse:						
Best Wiring Location	on		Route to Battery	,		Fusebox L	ocation	1			
						12					
Choose pow	er source careful	ly. On cars	with power mana	igement (ID	by battery condition	on in display) do no	t go to	o the b	attery	-
Fitting times, etc. I	Notes										
Wire positions	and connection r	ointe etc a	ra givan Usa nro	he to identif	y correct wire in le	ocation					
					see SmartCAN Dat			1	2	3	
Lights	Vehicle Wire C	olours	Alternativ	e	ı	Location	\neg	4	5	6	
LH Flasher	White					16	_	7	8	9	-
Fog Light	Green					16		10	11	12	
RH Flasher	Green					21		Ш			
RH Side Light								13	14	15	
Brake Light	Green/black					16					
Brake Light LH Side Light	Green/black Green					16 16		16	17	18	

Quality, Service, Innovation

Hyundai Lantra Estate 1995 -

7-Core Entry Point		Longer 7 (Core Cable		Bypass Recommer F2302, see SmartC		Othe	r Rela	y Reco	meno	led
19 Fog-light gromme	t			None							
Automatic Trailer Fl	asher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's	Towi	ng Plu	a	
					,					<u> </u>	
Find Constant Live					Find Ignition-Swi	tched Live					
					Colour:	.0.104 2.170					
Colour:					Location:						
Location:											
Add Fuse:					Add Fuse:						
Best Wiring Location	on .		Route to Battery			Fusebox Lo	ocation				
16, 19			,								
Choose power	er source careful	y. On cars	with power manaç	gement (ID	by battery conditio	n in display	do no	t go to	the b	attery	
Fitting times, etc. N	lotes										
Wire positions	and connection p	oints etc a	e given. Use prob	e to identif	y correct wire in lo	cation.					ı
These i	notes relate fitting	g bypass re	lay. For TF2302 S	martCAN, s	see SmartCAN Data			1	2	3	•
Lights	Vehicle Wire C	olours	A14					4	5	6	
			Alternative		L	ocation					
LH Flasher	Green/blue		Alternative			ocation multiblock	┪	7	8	9	•
LH Flasher Fog Light	Green/blue Light green/blac		Alternative		16		-	7	11	12	
			Alternative		16	multiblock		10		12	
Fog Light	Light green/blac		Alternative		16 16 16 16 16 16 16 16 16 16 16 16 16 1	multiblock multiblock		10		12	
Fog Light RH Flasher	Light green/blac Green/yellow		Alternative		16 d	multiblock multiblock multiblock			11		
Fog Light RH Flasher RH Side Light	Light green/blac Green/yellow Green/white		Alternative		16 16 16 16	multiblock multiblock multiblock multiblock			11		

Quality, Service, Innovation

Reverse

White

7-Core Entry Point		Longer 7	Core Cable	If 7	Bypass Recommer F2302, see SmartC		Other	Rela	y Reco	omend
19 Grommet				See not	e below					
Automatic Trailer Fl	asher Monitor	Reversing	Sensor		Cut Out Switch, e	etc.	Mfr's	Towii	na Plu	a
			,		,					<u> </u>
Find Constant Live					Find Ignition-Swi	tched Live				
Colour:					Colour:	1011041 2110				
Location:					Location: 19					
Add Fuse:					Add Fuse:					
Add Fuse.					Add I use.					
Best Wiring Locatio	n		Route to Batter	у		Fusebox Lo	ocation			
			Down LHS							
Choose power	er source careful	ly. On cars	with power man	agement (ID	by battery condition	on in display) do not	go to	the b	attery.
Fitting times, etc. N	lotes									
Jpdate 2/9/04 : May i	need bypass on ir	dicators,pos	ssible overload re	ported.						
og: Not neg-switche	ed 2003									
Wire positions	and composition :	ainta ata a	ro miyon Hoo mr	aha ta idanti	fy correct wire in lo	aatian				
					see SmartCAN Data			1	2	3
Limbto	Vehicle Wire C	· alauma	Alternation			ocation.	- I	4	5	6
Lights LH Flasher		olours	Aiternati	ve	L	ocation	▋	7	8	9
	Blue/orange Green		Nog swits	ahod.			_ [10	11	12
Fog Light RH Flasher			Neg swite Green at				-			"
	Grey			ack at plug			-	\neg		\Box
RH Side Light			Green/bia	ack at plug			╛	13	14	15
Brake Light	Green Green									
LH Side Light	Green/orange								479	

Ryder Towing Equipment Ltd

Quality, Service, Innovation

Red/white

Reverse

7-Core Entry Point		Longer 7	Core Cable		Bypass Recomm		Othe	r Rela	y Rec	omende
19 Grommet				None	е					
Automatic Trailer Fl	asher Monitor	Reversin	g Sensor		Cut Out Switch	, etc.	Mfr's	Towi	ng Plu	g
Find Constant Live					Find Ignition-Sv	witched Live				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Locatio	on		Route to Batt	ery		Fusebox L	_ocation	1		
19 Lamp			Under chassis			Dash, R/H	(12)			
Choose power	er source carefu	lly. On car	s with power ma	anagement	(ID by battery condit	ion in display	y) do no	t go to	the b	attery.
Fitting times, etc. N	lotes									
Wiring: Bring opposit	e flasher and tail	light leads a	across to connec	tion point						
Fog: Not neg-switche	ed 2003									
Wire positions	and connection	noints etc	are given Hee r	arobe to ide	entify correct wire in	location				
These	notes relate fittin	g bypass	relay. For TF230	2 SmartCA	N, see SmartCAN Da	ita		1	2	3
Lights	Vehicle Wire	Colours	Alterna	tive		Location		4	5	6
LH Flasher	Green/yellow	2310413	Aiteilla					7	8	9
Fog Light	Red		Neg sw	itched		21		10	11	12
RH Flasher	Green/yellow		3 -							
RH Side Light	Green/white							13	14	15
Brake Light	Green									
LH Side Light	Green/white							16	17	48

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Quality, Service, Innovation

Hyundai Santa Fe All 2007 -

7-Core Entry Point		Longer 7	Core Cable		Bypass Recommended 2302, see SmartCAN da		ther Rela	y Reco	omended
19 Grommet		3m							
Automatic Trailer FI	asher Monitor	Reversing	Sensor		Cut Out Switch, etc.	M	fr's Tow	ng Plu	q
					,				<u> </u>
Find Constant Live					Find Ignition-Switched	Live			
					Colour:				
Colour: Location: Fusebox	_				Location:				
	(Add Fuse:				
Add Fuse:					Add Fuse.				
Best Wiring Locatio	n		Route to Battery		Fuse	box Loca	tion		
19			,		12				
Choose now	er source careful	ly On cars	with nower managen	nent (ID t	by battery condition in di	snlav) do	not ao t	n the h	atterv
		.y. 011 0413		ilent (ID t	by battery contained in a	opidy) do	not go t		
Fitting times, etc. N	iotes								
					correct wire in location	-	1	2	3
These r	notes relate fittin	a bypass re					— .	-	
		5 . 71	elay. For 1F2302 Sma	rtCAN, s	ee SmartCAN Data			,	
Lights	Vehicle Wire C		Alternative	rtCAN, s	ee SmartCAN Data Locatio	n	4	5	6
Lights LH Flasher	Vehicle Wire C		-	rtCAN, S		n	7	5 8	9
			-	rtCAN, se		n			9
LH Flasher	Green/black		-	rtCAN, se		n	7	8	
LH Flasher Fog Light	Green/black Light green		-	rtCAN, so		n	7	8	
LH Flasher Fog Light RH Flasher	Green/black Light green Green/black		-	rtCAN, se		n	10	8 11	12
LH Flasher Fog Light RH Flasher RH Side Light	Green/black Light green Green/black Red/gold		-	rtCAN, se		n	10	8 11	12

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Quality, Service, Innovation

Hyundai Sonata Saloon Sept 2005 -

7-Core Entry Point		Longer 7	Core Cable	ŀ		ass Recomme 02, see SmartC		Othe	r Rela	y Reco	meno	ed
				None								
Automatic Trailer F	asher Monitor	Reversing	n Sensor		Cı	ıt Out Switch, e	etc	Mfr's	Towi	ng Plu	a	
		T.O.O.O.II.	, coco.			it out ourion, t					9	
Find Constant Live					Fir	nd Ignition-Swi	tched Live					
Colour:						Colour:						
Location:						Location:						
Add Fuse:						Add Fuse:						
			I5 5				I					
Best Wiring Location	on		Route to Batter	У			Fusebox L	ocation.	1			
Choose power	er source careful	lly. On cars	with power man	agement (ID by b	pattery condition	⊔ on in display	/) do no	t go to	the b	attery	
Fitting times, etc. N	lotes											
Wire positions	and connection	points etc a	re given. Use pro	be to ider	ntify co	orrect wire in lo	cation.		1	2	3	
These	notes relate fittin	g bypass r	elay. For TF2302	SmartCAN	I, see S	SmartCAN Data	1		4	5		
Lights	Vehicle Wire 0	Colours	Alternati	ve		L	ocation		7	8	9	
LH Flasher	White								\vdash	•	,	-
Fog Light	Pink/orange		Two; use	either.					10	11	12	
RH Flasher	Green/black											
RH Flasher RH Side Light	Green/black Brown/black								13	14	15	
			Thick						13	14	15	
RH Side Light	Brown/black		Thick						13	14	15	

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Quality, Service, Innovation

Reverse

Black/white

7-Core Entry Point		Longer 7 Co	re Cable		Bypass Recommo F2302, see Smart		Other	Rela	y Reco	meno	led
19 Grommet				None							
Automatic Trailer F	lasher Monitor	Reversing So	ensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	g	
					,					<u> </u>	
Find Constant Live					Find Ignition-Sw	ritched Live	•				
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	on	R	oute to Battery			Fusebox L	ocation				
						Kick panel I	RH				
Choose power	er source carefull	y. On cars wi	th power manag	ement (ID	by battery conditi	on in display) do not	go to	the b	attery	·
Fitting times, etc. N	lotes										
Wiring: Bring opposit	e flasher and tail li	ght leads acro	ss to connection p	point							
	and connection p							1 4	2	3	
Lights	Vehicle Wire C	olours	Alternative			Location		7	8	9	ı
LH Flasher	White/orange						▋▝	-		-	┌
Fog Light	Blue/red							10	11	12	
RH Flasher	White										
RH Side Light	Green/orange							13	14	15	
Brake Light	Blue										
LH Side Light	Green							16	47	40	ł

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Quality, Service, Innovation

		Longer 7 Co	re Cable		Bypass Recommended F2302, see SmartCAN da		Other Rela	y Reco	mende
Grommet				None					
utomatic Trailer F	lasher Monitor	Reversing S	ensor		Cut Out Switch, etc.		Mfr's Towi	ng Plu	g
					,				
nd Constant Live					Find Ignition-Switched	Live			
Colour:					Colour: Orange				
Location: 10					Location: 16				
Add Fuse:					Add Fuse:				
est Wiring Location	on	R	oute to Battery		Fuse	box Loc	ation		
3, 21		D	own RHS						
Choose pow	er source careful	ly. On cars wi	th power manag	ement (ID	by battery condition in d	isplay) c	lo not go to	the b	attery.
itting times, etc. N	lotes								
					y correct wire in location	ı.		2	
					y correct wire in location see SmartCAN Data	ı .	1	2	3
		g bypass rela					4	5	3 6
These	notes relate fittin	g bypass rela	y. For TF2302 Sn	nartCAN, s	ee SmartCAN Data				3 6 9
Lights	Vehicle Wire C	g bypass rela	y. For TF2302 Sn Alternative	nartCAN, s	ee SmartCAN Data		4	5	3 6 9
Lights LH Flasher	Vehicle Wire C	g bypass rela	y. For TF2302 Sn Alternative Orange/brow	nartCAN, s	ee SmartCAN Data		7	5 8	6 9
Lights LH Flasher Fog Light	Vehicle Wire C Orange Red/black	g bypass rela	y. For TF2302 Sn Alternative Orange/brow	nartCAN, s	ee SmartCAN Data		7	5 8	6 9
Lights LH Flasher Fog Light RH Flasher	Vehicle Wire C Orange Red/black Blue	g bypass rela	y. For TF2302 Sn Alternative Orange/brow	nartCAN, s	ee SmartCAN Data		10	5 8 11	6 9
Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire C Orange Red/black Blue Yellow/red	g bypass rela	y. For TF2302 Sn Alternative Orange/brow	nartCAN, s	ee SmartCAN Data		10	5 8 11	6 9

Quality, Service, Innovation

7-Core Entry Point		Longer 7	Core Cable	lf -	Bypass Recomme F2302, see Smart0		Othe	r Rela	y Reco	omende	
21 Grommet				None							
Automatic Trailer Fla	sher Monitor	Reversing	Sensor		Cut Out Switch,	Mfr's	Mfr's Towing Plug				
										<u> </u>	
ind Constant Live					Find Ignition-Sw	itched I ive					
					Colour:						
Colour:					Location:						
Location:											
Add Fuse:					Add Fuse:						
Best Wiring Location			Route to Batter	rv		Fusebox L	_ocation	1			
9, 21 Lamps			Grommet RH bu								
Choose power	source careful	ly. On cars	with power man	agement (ID	by battery condition	on in display	y) do no	t go to	the b	attery.	
Fitting times, etc. No	tes		-	<u> </u>	-		•				
rim: Large plastic rop		o not need	to be undone to r	emove trim.							
					fy correct wire in lo see SmartCAN Dat			1	2	3	
	Telate Ittili	y Dypass I	ciay. 1 01 11 2302	OmartoAit,	see omartoan bat	<u>и</u>		4	5	6	
Lights	Vehicle Wire C	olours	Alternati	ve	l l	ocation		7	8	9	
LH Flasher	Yellow/orange										
	Tollow/orange					19	_	\vdash			
Fog Light	White/black					19		10	11	12	
Fog Light RH Flasher						19		10	11	12	
	White/black					19		10	11	12	
RH Flasher	White/black Blue					19					
RH Flasher RH Side Light	White/black Blue Brown/orange					19					

Quality, Service, Innovation

Car Data Sheet Isuzu Grafter All 2006 -

-Core Entry Point		Longer 7 (Core Cable		Bypass Recommend 2302, see SmartCA		Other	Rela	y Reco	omend
							TF200	01		
Automatic Trailer FI	asher Monitor	Reversing	Sensor		Cut Out Switch, et	C.	Mfr's	Towi	ng Plu	g
ind Constant Live	,				Find Ignition-Switch	hed Live				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Locatio	on		Route to Battery			Fusebox L	ocation			
		y. On cars	with power managem	nent (ID k	by battery condition	in display	y) do not	go to	tne b	attery.
Fitting times, etc. National Flasher relay behind										
asilei relay beriirid	giove box									
			re given. Use probe to lay. For TF2302 Smar			ation.		1 4	2	3
Lights	Vehicle Wire Co	olours	Alternative		Lo	cation		7	8	9
LH Flasher	Green/black						-	'		*
Fog Light	Red/green							10	11	12
RH Flasher	Green/white									Ш
RH Side Light	Green/red							13	14	15
Brake Light	Green									
LH Side Light	Light green/red							16	17	48

Ryder Towing Equipment Ltd

Reverse

Quality, Service, Innovation

-Core Entry Point	I	onger 7 C	Core Cable		Bypass Recommer F2302, see SmartC		Other	Rela	y Reco	menc	led		
21	2	2m		None					TF2100T/TF2005T/TF115				
Automatic Trailer Fl	asher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's	Towi	ng Plug				
		<u> </u>							e whee				
Find Constant Live					Find Ignition-Swit	ched Live							
Colour:					Colour:								
Location: Trailer p	lua				Location:								
Add Fuse:					Add Fuse:								
Best Wiring Locatio	ın		Route to Battery	v	1	Fusebox L	ocation						
9, 21 Lamps			Troute to Batter	<i>,</i>		I USCHOX E	ooution						
Choose power	er source carefully	. On cars v	with power mana	agement (ID	by battery conditio	n in display	/) do not	go to	the b	attery			
itting times, etc. N	lotes												
	e flasher and tail ligl			n point									
ront monitor: spare	panel light position t	to left of ste	eering column										
arth: take 12S earth	wire to battery												
Wire positions	and connection po	ints etc ar	e given. Use pro	be to identif	y correct wire in lo	cation.	1				ı		
These r	notes relate fitting	bypass re	lay. For TF2302	SmartCAN, s	ee SmartCAN Data			1	2	3			
Lights	Vehicle Wire Co	lours	Alternativ	/e	L	ocation	▔▐	4	5	6			
LH Flasher	Green/blue		2004 Yello	OW			-	7	8	9			
Fog Light	Red		Grey					10	11	12			
RH Flasher	Green/blue		2004 Gree	en									
RH Side Light	Green/red		Brown					13	14	15			
Brake Light	Green		2004 Red										
LH Side Light	Green/red		2004 Brov	wn/red				16	17	18			
Reverse	Red/blue								**				

Quality, Service, Innovation

Isuzu Trooper 4WD Mid 1996 -

7-Core Entry Point		Longer 7	Core Cable		Bypass Recommer F2302, see SmartC		Other Re	lay Rec	omended
				None			TF2100T	TF2005	T/TF115F
Automatic Trailer Fla	sher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's Tov	vina Plu	ıa
							Behind no		
Find Constant Live					Find Ignition-Swi	ched Live			
					Colour:				
Colour:					Location:				
Location:					Add Fuse:				
Add Fuse:					Auu ruse:				
Best Wiring Location	1		Route to Batter	rv		Fusebox L	ocation		
Choose power		ly. On cars	with power man	nagement (ID	by battery conditio	n in display	/) do not go	to the b	oattery.
Power supply: Vehicle		mart Combi	relay at tick over	. This is not a	oroblem but tell own	ers not to try	y charging o	n tick ov	er.
Wire positions at	nd connection potes relate fittin	points etc a g bypass re	re given. Use pre elay. For TF2302	obe to identify SmartCAN, s	y correct wire in lo ee SmartCAN Data	cation.	1	2 5	3
Lights	Vehicle Wire C	colours	Alternati	ve	L	ocation	7	8	9
LH Flasher	Green/pink		Green/ora	ange				+	╀
Fog Light	Brown/yellow						10	11	12
RH Flasher	Pink/blue						_		+-
RH Side Light	Green/red		Green/red	d			13	14	15
Brake Light	Green/yellow								
LH Side Light	Orange/blue		Orange/b	olack			16	17	18
Reverse								+	

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Quality, Service, Innovation

7-Core Entry Point		Longer 7	Core Cable		Bypass Recommer F2302, see SmartC	Other R	Other Relay Recomended				
				TF2218/7	7SMARTLOGIC						
Automatic Trailer Fla	sher Monitor	Reversing	g Sensor		Cut Out Switch, e	tc.	Mfr's To	owing	g Plug	9	
Find Constant Live		1			Find Ignition-Swit	ched Live	1				
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location			Route to Battery	1		Fusebox Lo	ocation				
Choose power	source careful	ly. On cars	with power mana	gement (ID	by battery conditio	n in display) do not g	o to t	the ba	attery.	
Fitting times, etc. No	tes										
					y correct wire in lo ee SmartCAN Data			1 4	2	3	•
Lights	Vehicle Wire C	olours	Alternativ	е	L	ocation		7	8	9	
LH Flasher							┛┺	+		_	-
Fog Light							_ 1	10	11	12	
RH Flasher								+		-	
RH Side Light							_ ,	13	14	15	
Brake Light											
LH Side Light							-	16	17	18	
Reverse							-	19	20	21	_

Quality, Service, Innovation

'-Core Entry Point		Longer 7	Core Cable		Bypass Recomme F2302, see SmartC		Other	Rela	y Reco	omend
				TF2218/	7SMARTLOGIC					
Automatic Trailer F	asher Monitor	Reversin	g Sensor		Cut Out Switch,	Mfr's Towing Plug			a	
			5							<u> </u>
ind Constant Live					Find Ignition-Sw	itched Live				
Colour:					Colour:					
Location: Battery					Location:					
Add Fuse:					Add Fuse:					
est Wiring Location	on .		Route to Batter	·v		Fusebox Lo	ocation			
6 under chassis. Us		х.	Along chassis -	protect with c	onvoluted tubing					
Fitting times, etc. N		points etc :	are given. Use pro	obe to identif	y correct wire in lo	ocation.				
					see SmartCAN Data			1	2	3
Lights	Vehicle Wire C	colours	Alternati	ve	L	ocation	╗╟	4	5	6
LH Flasher	Blue		1120				▝	7	8	9
Fog Light	White		2283					10	11	12
RH Flasher	Blue		1125							\square
RH Side Light	Yellow		3335					13	14	15
Brake Light	Blue		1175							
LH Side Light	Yellow		3334				▋	16	17	18
Reverse	White									

Quality, Service, Innovation

7-Core Entry Point	Longer 7 Core Cable	Bypass Recom If TF2302, see Sma		Other Relay Recomended
		TF2217JAG		
Automatic Trailer Flasher Monitor	Reversing Sensor	Cut Out Switc	h, etc.	Mfr's Towing Plug
Find Constant Live		Find Ignition-	Switched Live	
Colour:		Colour:		
Location: 19 See notes		Location:		
Add Fuse:		Add Fuse:		
Best Wiring Location	Route to Batte	ry	Fusebox	Location
19/21	Boot RHS 18/2	1		

Fitting times, etc. Notes

Earth colours :O/s pin 2 & 6 orange/blue ,N/s pin 2 & 6 orange/yellow. Alt.colours : O/s pin 2 Black/white pin 6 Black/green. N/s pin2 Brown/green pin 6 Brown/white. Fuse 7 in fusebox by by spare wheel protects brake lights. TF2217Jag-Pink wire. Connect this to one of the +12V terminals of the relay.

Fault condition: Car powers down about 30mins after switch-off. Change sets off standard relay. Use TF2217JAG

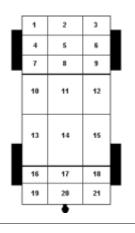
Fit assembly behind nearside panel you remove to access the bumper bolts. Find a block with 3 wires. Yellow blue is towbar power: Jaguar rate it up to 42 watts.. The other two are an earth and a switched live.

Do not use bulb to probe circuits - digital meter only.

Wire positions and connection points etc are given. Use probe to identify correct wire in location.

These notes relate fitting bypass relay. For TF2302 SmartCAN, see SmartCAN Data

Lights	Vehicle Wire Colours	Alternative	Location
LH Flasher	Black/yellow	Black/white	19
Fog Light	Black/yellow	Black/green	19
RH Flasher	Black/blue	Black/green	21
RH Side Light	Black/orange	Black/white	21
Brake Light	Black/orange	Black/orange	19
LH Side Light	Black/white	Black/white	19
Reverse	Green	Black/green	19



Ryder Towing Equipment Ltd Quality, Service, Innovation

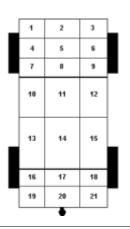
7-Core Entry Point		Longer 7	Core Cable		Bypass Recommer F2302, see SmartC		Other	Rela	y Reco	omended
				TF2218/7	'SMARTLOGIC					
Automatic Trailer F	lasher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's	Towi	ng Plu	a
			, 0000.		, ,				.9	<u> </u>
Find Constant Live					Find Ignition-Swi	tched Live				
Colour: Brown					Colour:					
Location: 19					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Location	n e		Route to Battery			Fusebox L	ocation			
21	,,,,		Route to Battery			I USCHOX E	ocation			
Choose pow	er source careful	lv. On cars	with power manage	ement (ID	by battery condition	n in displav) do not	ao to	the b	atterv.
Fitting times, etc. N					.,			J		
<u> </u>										
			re given. Use probe elay. For TF2302 Sm				_	1	2	3
				idi torit, s			- I	4	5	6
Lights	Vehicle Wire C	Colours	Alternative		L	ocation	▃▐	7	8	9
LH Flasher	Blue									\Box
Fog Light	Green/white							10	11	12
								10	11	12
Fog Light	Green/white		2006 Red					10	11	12
Fog Light RH Flasher	Green/white Brown/red		2006 Red 2006 Orange)						
Fog Light RH Flasher RH Side Light	Green/white Brown/red Orange)						

Quality, Service, Innovation

				·	,
7-Core Entry Point	Longer 7 Core Cable		Bypass Recommen F2302, see SmartCA		Other Relay Recomended
Mfr. Grommet		TF2218/	7SMARTLOGIC		
Automatic Trailer Flasher Monitor	Reversing Sensor		Cut Out Switch, et	tc.	Mfr's Towing Plug
Find Constant Live			Find Ignition-Swit	ched Live	
Colour:			Colour:		
Location: B9			Location:		
Add Fuse: Slot 30, (30amp)			Add Fuse:		
Best Wiring Location	Route to Batte	ery		Fusebox L	ocation
	Down LHS			Under bonr	net LH
Choose power source carefu	ılly. On cars with power maı	nagement (ID	by battery condition	n in display) do not go to the battery.
Fitting times, etc. Notes					
Fault condition: If faults occur when fit		ody turns live w	ith the ignition turned	d off, check	with dealer to see if the PDI ha

Wire positions and connection points etc are given. Use probe to identify correct wire in location. These notes relate fitting bypass relay. For TF2302 SmartCAN, see SmartCAN Data

Lights	Vehicle Wire Colours	Alternative	Location
LH Flasher	Orange/yellow		23
Fog Light	Green/white		19
RH Flasher	Orange	Brown/red	21
RH Side Light	Orange		21
Brake Light	Green/red		19
LH Side Light	Orange		19
Reverse	Green/black		19



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Jaguar X Type Saloon etc 2006 -

7-Core Entry Point		Longer 7	Core Cable		Bypass Recomme F2302, see Smart0		Othe	r Rela	y Reco	omeno	led
				TF2218/	7SMARTLOGIC						
Automatic Trailer F	lasher Monitor	Reversing	n Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	α	
			,							3	
Find Constant Live					Find Ignition-Sw	tched Live					
Colour: Brown					Colour:						
Location: 19					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	on		Route to Batter	у		Fusebox L	ocation	1			
21				-							
Choose pow	er source careful	ly. On cars	with power man	agement (ID	by battery condition	on in display	/) do no	t go to	the b	attery	
Fitting times, etc. N	lotes										
Wire positions	and connection	oints etc a	re given. Use pro	be to identif	y correct wire in lo	cation.		1	2	3	1
Inese	notes relate fittin	g bypass re	elay. For 1F2302	SmartCAN, s	ee SmartCAN Data	a		4	5	6	
Lights	Vehicle Wire C	colours	Alternativ	/e	L	ocation		7	8	9	ı
LH Flasher	Orange/yellow						•	\vdash	_	-	-
Fog Light	Green/white							10	11	12	
											al .
RH Flasher	Brown/red							\Box			
RH Flasher RH Side Light	Brown/red Orange		Thin					13	14	15	
			Thin Thick					13	14	15	
RH Side Light	Orange							13	14	15	

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Quality, Service, Innovation

LH Side Light Reverse

20

. O F		1 7 0	0-1-1-	1	D D		Other Relay Recomen			
-Core Entry Point		Longer 7 Co	re Cable		Bypass Recomme F2302, see Smarte		Othe	r Rela	y Reco	omend
				See note	below					
Automatic Trailer FI	asher Monitor	Reversing S	ensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	g
ind Constant Live					Find Ignition-Sw	ritched Live				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Locatio	n	R	oute to Battery			Fusebox I	_ocation	<u> </u>		
			•							
Choose power	er source careful	ly. On cars wi	th power manag	ement (ID	by battery conditi	on in display	y) do no	t go to	the b	attery.
Fitting times, etc. N	lotes									
Report Jan 2006: Thi Pink wire is a selecto Jumber plate light fe	r: Connect it to +1	2V to make re	lay neg switched.	Pin 1 ghts are or	1.					
Wire positions	and connection r	oints etc are	given. Use probe	to identif	y correct wire in I	ocation.				
					see SmartCAN Dat			1	2	3
Lights	Vehicle Wire C	Colours	Alternative			Location		4	5	6
LH Flasher			7				_ •	7	8	9
Fog Light								10	11	12
3 3								1		
RH Flasher								\vdash		
RH Flasher RH Side Light								13	14	15

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Car Data Sheet Jaguar XJ to -1994

7-Core Entry Point	Longer 7 (Core Cable	Bypass Recommended If TF2302, see SmartCAN dat			Other Relay Recomended
			TF2218/	7SMARTLOGIC		
Automatic Trailer Flasher Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's Towing Plug
Find Constant Live				Find Ignition-Sw	itched Live	
Colour:			Colour: Green/brov			
Location:			Location:			
Add Fuse:				Add Fuse:		
Best Wiring Location		Route to Batte	ry		Fusebox L	ocation
Choose power source carefu	ılly. On cars	with power mar	nagement (ID	by battery condition	on in display	y) do not go to the battery.
Fitting times, etc. Notes To 94 only: Wire with a full bypass se There is a yellow bell-shaped socket l brown/blue and green/brown. We und	by the right ha	ind rear wheel ar	ch (in the boo	t) of many Jaguars.		ee wires: pink/blue,

Pink/blue, if earthed, illuminates the caravan symbol on the dash. You can earth it by connecting it to the "-TT" terminal of the TF2217.

Brown/blue can power your 12S or 12N wiring (but not both)

Green/brown is an ignition-switched supply.

Make loom connections for the bypass relay on the wires to the rear lamps, close to the lamps.

Wire positions and connection points etc are given. Use probe to identify correct wire in location.

These notes relate fitting bypass relay. For TF2302 SmartCAN, see SmartCAN Data

Lights	Vehicle Wire Colours	Alternative	Location
LH Flasher	Yellow		
Fog Light	Red/yellow		
RH Flasher	Blue		
RH Side Light	Yellow/green		
Brake Light	Purple/green		
LH Side Light	Red/green		
Reverse			

1	2	3	
_		_	
4	5	6	
7	8	9	
10	11	12	
13	14	15	
16	17	18	ł
19	20	21	
	•		

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Quality, Service, Innovation

7-Core Entry Point		Longer 7	Core Cable	If 7	Bypass Recommo F2302, see Smart		Other Relay Recomende			
Drill				TF2218	7SMARTLOGIC					
Automatic Trailer F	lasher Monitor	Reversin	g Sensor		Cut Out Switch,	etc.	Mfr's T	owir	na Plu	α
	addid memor	1101010111	g comco.		out out outton,	0.0.			.9	3
Find Constant Live					Find Ignition-Sw	ritched Live				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
Add I use.					Add 1 d3c.					
Best Wiring Location	on		Route to Batter	у		Fusebox L	ocation			
Boot			Boot	-						
Choose pow	er source careful	lv. On cars	with power man	agement (ID	by battery conditi	on in display	/) do not d	o to	the b	atterv.
Fitting times, etc. N		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					,,	,		,.
ritting times, etc. r	10103									
Wire positions These	and connection p	oints etc a	are given. Use pro elav. For TF2302	be to identi	fy correct wire in l see SmartCAN Da	ocation.		1	2	3
							⊸ I I⊤	4	5	6
Lights	Vehicle Wire C	colours	Alternativ	/e		Location	▃▐▍	7	8	9
LH Flasher	Yellow						_ 7-	\dashv		
	Purple/yellow							10	11	12
Fog Light	i dipie/yellow							- 1		
Fog Light RH Flasher	Blue							_		
			Green/blu	e				13	14	15
RH Flasher	Blue		Green/blu	e				13	14	15
RH Flasher RH Side Light	Blue Yellow/green		Green/blu	e				13	14	15

Quality, Service, Innovation

7-Core Entry Point		Longer 7 (Core Cable	If T	Bypass Recommended If TF2302, see SmartCAN data			Rela	y Reco	omende
				TF2218/	7SMARTLOGIC					
Automatic Trailer Fl	lasher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's	Towi	ng Plu	g
Find Constant Live					Find Ignition-Swi	tched Live				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Location	Best Wiring Location Route to Battery					Fusebox L	ocation			
					fy correct wire in lo see SmartCAN Data		ل_	1	2	3
Lights	Vehicle Wire C		Alternativ			ocation	⊣ I	4	5	6
LH Flasher	Green/yellow	Joiours	Aiternativ			ocation	▋	7	8	9
Fog Light	Orange/black						-	10	11	12
RH Flasher	Green/purple						- I			
RH Side Light	Green/red							13	14	15
Brake Light	Blue/black		LH (RH bl	ue/white)				13	14	15
LH Side Light	Red/orange			•						
								16	17	18

Quality, Service, Innovation

7-Core Entry Point		Longer 7 C	Core Cable	Bypass Recommended If TF2302, see SmartCAN data				Other Relay Recomend				
				TF2218/	7SMARTLOGIC							
Automatic Trailer Fl	asher Monitor	Reversing	Sensor		Cut Out Switch, e	etc.	Mfr's	Towi	ng Plu	α		
	<u> </u>	reverenig	<u> </u>		out out ownon, c			10		9		
Find Constant Live					Find Ignition-Swi	tched Live						
						torica Live						
Colour:					Colour: Location:							
Location: Battery					Add Fuse:							
Add Fuse:					Add Fuse:							
Best Wiring Locatio	n		Route to Battery			Fusebox Lo	cation	1				
			Boot									
Choose power	er source careful	v. On cars v	with power manag	ement (ID	by battery condition	n in display)	do no	t ao ta	the b	atterv		
Fitting times, etc. N		,. c c	роло:а.					. 90			-	
riting times, etc. N	otes											
	and connection r	ainta ata ar										
These r					y correct wire in lo			1	2	3	L	
	notes relate fitting	g bypass re	lay. For TF2302 Sn		ee SmartCAN Data	1	- I	1 4	2	3		
Lights	Vehicle Wire C	g bypass re			ee SmartCAN Data	ocation				3 6 9		
	notes relate fitting	g bypass re	lay. For TF2302 Sn		ee SmartCAN Data	1		7	5	6		
Lights	Vehicle Wire C	g bypass re	lay. For TF2302 Sn		ee SmartCAN Data	ocation		4	5	3 6 9		
Lights LH Flasher	Vehicle Wire C Grey/orange	g bypass re	lay. For TF2302 Sn		ee SmartCAN Data	ocation		7	5	6		
Lights LH Flasher Fog Light	Vehicle Wire C Grey/orange White/blue	g bypass re	lay. For TF2302 Sn		ee SmartCAN Data	ocation 19 ot lid RHS		7	5	6		
Lights LH Flasher Fog Light RH Flasher	Vehicle Wire C Grey/orange White/blue Green/orange	g bypass re	lay. For TF2302 Sn		ee SmartCAN Data	ocation 19 ot lid RHS 21		4 7 10	5 8 11	6 9		
Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire C Grey/orange White/blue Green/orange White/orange	g bypass re	lay. For TF2302 Sn		ee SmartCAN Data	ocation 19 ot lid RHS 21		4 7 10	5 8 11	6 9		

Quality, Service, Innovation

Car Data Sheet KIA Carens All 2000 -

7-Core Entry Point		Longer 7 (Core Cable		Bypass Recommer F2302, see SmartC		Other Relay Recomende				led
19				None							
Automatic Trailer Fl	asher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's	Towi	ng Plu	a	
					,					<u> </u>	
Find Constant Live					Find Ignition-Swi	tched Live					
Colour:					Colour: Blue						
Location: 12					Location: 12						
Add Fuse:					Add Fuse:						
Best Wiring Locatio	n		Route to Battery			Fusebox L	ocation				
19			,								
Choose power	er source careful	ly. On cars	with power mana	gement (ID	by battery conditio	n in display) do no	t go t	the b	attery	
Fitting times, etc. N	lotes										
Wire positions	and connection i	ooints etc a	re given. Use prob	oe to identif	v correct wire in le	aatian					
					y confect wife in io	cation.			2	3	
		g bypass ic	lay. For TF2302 S		ee SmartCAN Data			1			
Lights	Vehicle Wire C		elay. For TF2302 S	martCAN, s	ee SmartCAN Data			4	5	6	
Lights LH Flasher	Vehicle Wire C			martCAN, s	ee SmartCAN Data	1		-		6	
				martCAN, s	ee SmartCAN Data	1		4	5	6 9	
LH Flasher	Green/yellow			martCAN, s	ee SmartCAN Data	1		7	5	9	
LH Flasher Fog Light	Green/yellow Brown			martCAN, s	ee SmartCAN Data	1		4 7 10	5 8	6 9 12	
LH Flasher Fog Light RH Flasher	Green/yellow Brown Green/black			martCAN, s	ee SmartCAN Data	1		7	5		
LH Flasher Fog Light RH Flasher RH Side Light	Green/yellow Brown Green/black Red/green			martCAN, s	ee SmartCAN Data	1		4 7 10	5 8		

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Quality, Service, Innovation

Car Data Sheet KIA Carens All 2003 -

7-Core Entry Point		Longer 7 Co	re Cable	Bypass Recommended If TF2302, see SmartCAN data				Other Relay Recomender				
				None								
Automatic Trailer F	lasher Monitor	Reversing S	Sensor		Cut Out Switch,	etc.	Mfr's	Mfr's Towing Plug				
			<u></u>							<u> </u>		
Find Constant Live					Find Ignition-Sw	ritched Live						
Colour:					Colour:							
Location:					Location:							
Add Fuse:					Add Fuse:							
Add Fuse.					Add I use.							
Best Wiring Location	on	F	Route to Battery			Fusebox L	.ocatior	<u> </u>				
19	-		·									
Choose now	er source carefully	. On cars w	ith power manac	ement (ID	by battery conditi	on in display	/) do no	t ao ta	o the b	atterv		
Fitting times, etc. I	·	. On ours w	The power manag	jemen (ib	by buttery contain	on in display	, 40 110	. go .	J tile B	utto. y	_	
ritting times, etc. i	10162											
											_	
	and connection po							1	2	3	1	
Inese	notes relate fitting	bypass reia	y. For 1F2302 Sr	martCAN,	see SmartCAN Da	.a 	[4	5	6		
Lights	Vehicle Wire Co	olours	Alternative			Location		7	8	9	ı	
LH Flasher	Green/red					19	•	H	_	-	Г	
Fog Light	White/blue					18		10	11	12		
RH Flasher	Green/black					19		$\vdash \vdash$				
RH Side Light	Red/blue					19		13	14	15		
Brake Light	Dark blue					19						
LH Side Light	Red/blue					19		16	17	18	ı	
Reverse	White					19						

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Quality, Service, Innovation

LH Side Light

Reverse

Yellow

White

ar Data Snee	τ					KIA CE	ea Sa	aloo	n La	ite 20
7-Core Entry Point		Longer 7 C	Core Cable	If T	Bypass Recomme F2302, see Smart0		Othe	r Rela	y Reco	omende
				TF2218/	7SMARTLOGIC		TF22	18/7S	MARTI	LOGIC
Automatic Trailer Fl	asher Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	g
Find Constant Live					Find Ignition-Swi	itched Live				
Colour:					Colour:					
Location: 9 Fuseb	ox				Location:					
Add Fuse:					Add Fuse:					
Best Wiring Locatio	n		Route to Battery	y		Fusebox L	Location			
21						12				
Choose power	er source careful	ly. On cars	with power mana	agement (ID	by battery condition	on in display	y) do no	t go to	the b	attery.
Fitting times, etc. N	lotes									
Fault condition: Flash		u disconnec	t plug							
					fy correct wire in lo see SmartCAN Data			1	2	3
Lights	Vehicle Wire C	colours	Alternativ	re	L	ocation		7	5	6
LH Flasher	Yellow/orange		Yellow			19	_	\vdash		,
Fog Light	White		Grey			21 (19)		10	11	12
RH Flasher	Blue		Yellow			21		$\vdash \vdash$		\square
RH Side Light Brown Green					21		13	14	15	
Brake Light Red					21 (19)		-			

19

19

Green

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Quality, Service, Innovation

Car Data Sheet KIA Cood SW 2008

ai Dala Silee	ŧ.						MA	seeu s) V V Z	JUO -
7-Core Entry Point		Longer 7 C	Core Cable		Bypass Recommer F2302, see SmartC		Other R	elay Rec	omend	ed
				None						
Automatic Trailer F	lasher Monitor	Reversing	Sensor		Cut Out Switch, e	etc.	Mfr's To	owing Plu	ıg	
Find Constant Live					Find Ignition-Swi	tched Live				
Colour:					Colour:					
Location: Fusebox	×				Location:					
Add Fuse:					Add Fuse:					
Best Wiring Location	on		Route to Battery			Fusebox Lo	ocation			
19						9 End of da	sh			
Choose pow	er source carefu	llv. On cars v	with power manag	gement (ID	by battery condition	on in display) do not a	o to the b	oatterv.	
Fitting times, etc. N			•	•	•	,				
Boot trim is fragile	10103									
					fy correct wire in lo see SmartCAN Data			1 2	3	
Lights	Vehicle Wire	Colours	Alternative)	L	ocation		4 5 7 8	9	
LH Flasher	Green/red					19		8	+	-
Fog Light	White/blue					18	- I	11	12	
RH Flasher	Green/black					19	┑┝		$\perp \perp \mid$	
RH Side Light	Red/blue					19	╗ ,	3 14	15	
Brake Light	Dark blue					19			"	

LH Side Light

Reverse

Red/blue

19

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Quality, Service, Innovation

LH Side Light

Reverse

Dark pink

Light green

7-Core Entry Point		Longer 7	Core Cable	If	Bypass Recomm TF2302, see Smart		Other	Rela	y Reco	omeno	led
				None							
Automatic Trailer Fla	sher Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	g	_
Find Constant Live					Find Ignition-Sv	vitched Live					
Colour:					Colour:						
Location: 12					Location: 12						
Add Fuse:					Add Fuse:						
Best Wiring Location	1		Route to Batter	ry		Fusebox L	ocation				
Choose power	r source careful	lly. On cars	with power man	agement (I	D by battery condit	ion in display	/) do not	go to	the b	attery	_
Fitting times, etc. No	otes										
Straightforward									-	-	
					tify correct wire in see SmartCAN Da			1 4	2	3	
Lights	Vehicle Wire 0	Colours	Alternati	ve		Location		7	8	9	ı
LH Flasher	Blue					19		'	-	-	ſ
Fog Light	Red					19		10	11	12	
RH Flasher	Dark blue					19					
RH Side Light	Brown/white					19		13	14	15	
Brake Light	Green					19					

19

19

White

Quality, Service, Innovation

LH Side Light

Reverse

Dark pink

Light green

ar Data Snee	τ					K	IA IVI	iger	itis /	AII 20
-Core Entry Point		Longer 7 (Core Cable		Bypass Recommen F2302, see SmartC		Other	Rela	y Reco	mende
9 (21 in Estate) Gro	mmet in floor									
automatic Trailer Fl	asher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's	Towi	ng Plu	g
nd Constant Live					Find Ignition-Swit	ched Live				
Colour:					Colour:					
Location: 12					Location: 12					
Add Fuse:					Add Fuse:					
est Wiring Locatio	n		Route to Battery			Fusebox L	ocation			
)										
Choose power	er source careful	ly. On cars	with power manage	ement (ID	by battery condition	n in display) do not	go to	the b	attery.
itting times, etc. N	otes									
ost 2007, use bypas	ss indicators									
			e given. Use probe lay. For TF2302 Sm					1	2	3
Lights	Vehicle Wire C	colours	Alternative		Lo	ocation		7	8	6
LH Flasher	Blue/red					19	-	,	8	,
Fog Light	Red					19		10	11	12
RH Flasher	Dark blue					19				
RH Side Light	Brown/white		Brown/orang	е		19		13	14	15
Brake Light	Green					19				

Brown/orange

19

19

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7-Core Entry Point		Longer 7 (Core Cable		Bypass Recommer F2302, see SmartC		Other	Rela	y Reco	mende
				None						
Automatic Trailer F	lasher Monitor	Reversing	Sensor		Cut Out Switch, e	tc	Mfr's	Towi	ng Plu	n
	idoner monitor	rteversing	Consor		out out ownon, o			1011	ig i iu	9
Find Constant Live					Find Ignition-Swi	ched Live				
					Colour:	onca Live				
Colour:					Location:					
Location:					Add Fuse:					
Add Fuse:					Add Fuse.					
Best Wiring Location	on		Route to Battery			Fusebox Lo	cation			
Fitting times, etc. Nost 2007, use bypa	Notes uss indicators and connection p	points etc ar	re given. Use probe	e to identif	by battery condition	cation.	do not	1	2	attery.
Lights	Vehicle Wire C	colours	Alternative		L	ocation		4 7	8	9
LH Flasher	Grey						_			
LH Flasher Fog Light	Grey Orange						- 1	10	11	12
							1	10	11	12
Fog Light	Orange						_	10	11	12
Fog Light RH Flasher	Orange White/red									
Fog Light RH Flasher RH Side Light	Orange White/red Pink						- -			

Quality, Service, Innovation

Car Data Sheet KIA Rio II All 2003 -

di Dala Sileet							M	1 1 1 1	0 11 7	711 Z	UU
7-Core Entry Point	Lc	nger 7 Core	Cable		Bypass Recommer F2302, see SmartC		Other	Rela	y Reco	mend	led
19 Grommet				None							
Automatic Trailer Flash	er Monitor Re	eversing Ser	sor		Cut Out Switch, e	tc.	Mfr's 7	Γowir	ng Plu	g	
Find Constant Live					Find Ignition-Swi	tched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location		Roi	ute to Battery			Fusebox L	ocation.				
18, 21											
Choose power so	ource carefully.	On cars with	power manage	ement (ID	by battery conditio	n in display	/) do not	go to	the b	attery.	
Fitting times, etc. Notes											
Vire colours below: 1st c	olour in loom; 2nd	d at lamp									
Wire positions and							Г	4	2	3	
These note	s relate fitting by	pass relay.	For TF2302 Sn	nartCAN, s	ee SmartCAN Data	l		<u>'</u>		-	
Lights V	ehicle Wire Colo	urs	Alternative		L	ocation	▔▐	7	5	6 9	ı
LH Flasher G	reen/yellow		Green/white					-		,	
Fog Light B	rown/green		Green/red					10	11	12	
RH Flasher G	reen/white		Green/white					\rightarrow		\sqcup	
RH Side Light B	lue/black		White/red					13	14	15	
Brake Light R	ed/black		Green								

White/red

Green/red

LH Side Light

Reverse

Red/green

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Quality, Service, Innovation

Car Data Sheet						KIA S	Sed	ona A	AII 2	2001 -
7-Core Entry Point	Longer	7 Core Cable		Bypass Recomme F2302, see Smarte		Othe	r Rela	y Reco	menc	led
Grommet in boot floor			None							
Automatic Trailer Flash	ner Monitor Reversi	ng Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ing Plu	g	
Find Constant Live				Find Ignition-Sw	itched Live					
Colour:				Colour:						
Location:				Location:						
Add Fuse:				Add Fuse:						
Best Wiring Location		Route to Batter	ry		Fusebox L	ocation	1			
19/21										
Choose power s	source carefully. On ca	rs with power mar	nagement (ID	by battery conditi	on in display) do no	t go t	o the b	attery	
Fitting times, etc. Note	es									
Wiring access under L/F pads in arch. Take care i					d loosening si	de trim	on left	:. Remo	ve foa	ım
	I connection points etc es relate fitting bypass						1	2	3	
Lights	Vehicle Wire Colours	Alternati	ve		Location		7	5	6	
LH Flasher	Blue					•	Ė		-	
Fog Light	Red/green	Blue					10	11	12	
RH Flasher	Green						\vdash			

Lights	Vehicle Wire Colours	Alternative	Location		,	8	
LH Flasher	Blue			•	Ļ.	•	,
Fog Light	Red/green	Blue			10	11	12
RH Flasher	Green						
RH Side Light	Red/black				13	14	15
Brake Light	White				ĺ		
LH Side Light	Red/black				16	17	18
Reverse	Blue	Red	19	_	19	20	21

Quality, Service, Innovation

Car Data Sheet KIA Sedona All 2006

ai Data Sileet							NIA J	Juu	iia <i>r</i>	711 Z	UU
7-Core Entry Point		Longer 7 Co	re Cable		Bypass Recommend 2302, see SmartCA		Other I	Relay	Reco	mend	led
19 Grommet in floor											
Automatic Trailer Flash	er Monitor	Reversing So	ensor		Cut Out Switch, etc	; .	Mfr's T	owin	ıg Plu	g	
Find Constant Live					Find Ignition-Switc	hed Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location		R	oute to Battery		F	usebox L	ocation				
Chassa nower of	nuraa aarafull	v. On core wi	th nawar managam	oont (ID I	by battery condition	in dianlav	\ do not a	70 to	the b	ottoru	
Fitting times, etc. Notes		y. On cars wi	tn power managen	ient (iv i	by battery condition	ın dispiay) do not (jo to	the ba	attery.	-
Post 2007, use bypass in											
, , , , , , , , , , , , , , , , , , ,											
Wire positions and These note			given. Use probe to y. For TF2302 Smar			ation.		1 4	2	3	
Lights V	ehicle Wire C	olours	Alternative		Loc	cation		7	8	9	
LH Flasher B	lue		Thin					•		-	
Fog Light B	lue		Thicker wire					10	11	12	
RH Flasher B	lue		Thin				_ -	\rightarrow			
RH Side Light Pi	ink							13	14	15	
Brake Light W	/hite										

LH Side Light

Reverse

Pink

Red

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Quality, Service, Innovation

Car Data Sheet KIA Shuma II All 2000 -

7-Core Entry Point		Longer 7	Core Cable		Bypass Recomme F2302, see Smart0		Othe	r Rela	y Reco	mended
				None						
Automatic Trailer F	asher Monitor	Reversing	ı Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	
			, 0000.						··g · ···	5
Find Constant Live					Find Ignition-Sw	itched Live				
						iterieu Live				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Location	n		Route to Battery			Fusebox L	ocation			
			,							
Choose pow	er source careful	lv. On cars	with power manag	ement (ID	by battery conditie	on in display) do no	t ao ta	the b	atterv.
Fitting times, etc. N		,		(.,	,	,	. 5		
ritting times, etc. is	10103									
			re given. Use prob elay. For TF2302 Sr					1	2	3
THESE I	notes relate nitin	g bypass it	nay. 1 01 11 2302 01	nartozit, s	ce omartoan bat	u 	_	4	5	6
Lights	Vehicle Wire C	colours	Alternative		l	_ocation		7	8	9
Lights LH Flasher	Green/yellow	colours	Alternative		l	_ocation		7	8	9
		colours	Alternative Green/brow	n	I	_ocation		7	11	12
LH Flasher	Green/yellow	colours		n	1	Location		H		
LH Flasher Fog Light	Green/yellow Green/red	colours		n		Location		H		
LH Flasher Fog Light RH Flasher	Green/yellow Green/red Green/white	colours	Green/brow	n		_ocation		10	11	12
LH Flasher Fog Light RH Flasher RH Side Light	Green/yellow Green/red Green/white Pink	Colours	Green/brow	n		_ocation		10	11	12

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Car Data Sheet KIA Sorento All 2002

ai Data Sileet						r	VIA O) CI	ilo r	711 Z	002
7-Core Entry Point	Le	onger 7 Core (Cable		Bypass Recommend F2302, see SmartCA		Other	Relay	Reco	mend	ed
21 Grommet rear floor	21	n		None							
Automatic Trailer Flash	er Monitor R	eversing Sens	or		Cut Out Switch, et	C.	Mfr's 7	owin	g Plu	g	
Find Constant Live					Find Ignition-Switch	hed Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location		Rout	te to Battery			Fusebox Lo	ocation				
19/21											
Choose power so	ource carefully.	On cars with r	oower manage	ement (ID	by battery condition	in displav) do not	go to	the ba	atterv.	
Fitting times, etc. Note:					,						
Wiring: Bring opposite fla		leads across t	to connection p	oint							
			<u> </u>								
Wire positions and These note					y correct wire in loc ee SmartCAN Data	ation.		1	2	3	
Lights V	ehicle Wire Cold	ours	Alternative		Lo	cation	▔▐	7	5	9	
LH Flasher Y	ellow		Red				-	-	•	,	-
Fog Light W	/hite				Mu	Itiblock		10	11	12	
RH Flasher Y	ellow		Orange		Mu	Itiblock	-	_		\square	
RH Side Light G	reen		Red		Mu	Itiblock		13	14	15	
Brake Light D	ed		White		NA:	ltiblock			- 1	l k	_

Red

LH Side Light

Reverse

Green

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Car Data Sheet KIA Sorento All 2006

7-Core Entry Point	L	onger 7 (Core Cable	If 7	Bypass Recommo		Othe	r Rela	y Reco	omende
19/21 drain plugs	2	?m		TF2218	/7SMARTLOGIC		TF22	18/7S	MARTI	OGIC
Automatic Trailer Fla	sher Monitor F	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	g
Find Constant Live					Find Ignition-Sw	vitched Live				
Colour:					Colour:					
Location: Battery					Location:					
Add Fuse: Slot 23, 1	5amp				Add Fuse:					
Best Wiring Location			Route to Battery			Fusebox I	_ocation)		
21			Bulkhead R/H			12 & 14				
Fitting times, etc. No		ints etc a	re given. Use prob	e to identi	fy correct wire in	ocation.				
			lay. For TF2302 Sr					1	2	3
Lights	Vehicle Wire Co	ours	Alternative			Location		7	5	6
LH Flasher	Red					19	•	Ľ.	8	,
F1:1:4	White					21		10	11	12
Fog Light	VVIIIC									
RH Flasher	Orange					21		$\vdash \vdash$		
						21 21		13	14	15
RH Flasher	Orange							13	14	15
RH Flasher RH Side Light	Orange Red					21		13	14	15

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LH Side Light

Reverse

Green/orange

Red

ar Data Snee	ΣT					KI	A Sore	ento s	5UV 2	: U1
7-Core Entry Point		Longer 7	Core Cable		Bypass Recomme F2302, see SmartC		Other F	Relay Re	ecomeno	ded
19 (21 in Estate) Gro	mmet in floor			TF2218/	7SMARTLOGIC					
Automatic Trailer F	lasher Monitor	Reversing	Sensor		Cut Out Switch, e	etc.	Mfr's T	owing F	Plug	
Find Constant Live					Find Ignition-Swi	tched Live	•			
Colour:					Colour:					
Location: Fusebox	x				Location:					
Add Fuse:					Add Fuse:					
Best Wiring Location	on		Route to Battery			Fusebox L	ocation			
19			Grommet at 9			9				
Choose pow	er source carefu	lly. On cars	with power manag	jement (ID	by battery condition	on in display) do not g	o to the	battery	·.
Fitting times, etc. N	Notes									
Grommet at 9 held b	y 2 nuts									
					y correct wire in lo see SmartCAN Data			1 2		L
Lights	Vehicle Wire	Colours	Alternative		L	ocation		4 5 7 8	6	ł
LH Flasher	White					19		. 8	,	▛
Fog Light	Green				19 t	pelow lamp		10 11	12	
RH Flasher	Pink					19				-
RH Side Light	Yellow/red					19		13 14	15	
Brake Light	Green					19				

19

19

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LH Side Light

Reverse

Blue/yellow

20

7-Core Entry Point		Longer 7 Co	re Cable		Bypass Recomm		Other	Rela	y Reco	omende
				lt I	F2302, see Smart	CAN data				
20 Grommet				None						
Automatic Trailer Fl	asher Monitor	Reversing S	ensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	g
ind Constant Live					Find Ignition-Sv	itched Live				
Colour:					Colour:					
Location: Battery					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Locatio	n	F	Route to Battery	у		Fusebox L	ocation			
16, 19										
Choose power	er source carefu	lly. On cars w	ith power mana	agement (ID	by battery condit	on in display	y) do not	go to	the b	attery.
Fitting times, etc. N	lotes									
Thick red wire found	under dash.									
					fy correct wire in		Г	1	2	3
	notes relate fittin	ia bypass rela	v. For TF2302	SmartCAN,	see SmartCAN Da	ta		-		,
These r		5	,				_			
These r	Vehicle Wire		Alternativ	re		Location	▔▐	4	5	6
						Location	┦┩	7	8	9
Lights	Vehicle Wire (Alternativ	DW W		Location 19-20	▋	\rightarrow		9
Lights LH Flasher	Vehicle Wire (Alternativ	ow nge/white				7	8	9 12
Lights LH Flasher Fog Light	Vehicle Wire (Red/blue Red/green		Alternativ 2004 Yello 2004 Oran	ow nge/white				7	8	12

2004 Green

2004 White

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							•	Ū			
7-Core Entry Point		Longer 7 Co	ore Cable		Bypass Recommer F2302, see SmartC		Othe	r Rela	y Reco	omeno	led
20 Grommet				None							
Automatic Trailer Fl	lasher Monitor	Reversing S	Sensor		Cut Out Switch, e	etc.	Mfr's	Towi	ing Plu	g	
Find Constant Live					Find Ignition-Swi	tched Live	•				
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Add Fuse.					Add I use.						
Best Wiring Location	on .	F	Route to Battery	,		Fusebox L	ocation	1			
16, 19 Choose pow	er source careful	llv. On cars w	ith power mana	gement (ID	by battery conditio	n in display) do no	t ao ta	o the b		
Fitting times, etc. N		.,	Tan power mana	gomoni (ib	ay battory contains	u.op.uy	, 40	. 90 .	- 1110 12		
Post 2007, use bypas											
, ,,											
Wire positions	and connection	points etc are	given. Use prob	be to identif	y correct wire in lo see SmartCAN Data	cation.		1	2	3	
These			ay. 1 01 11 2302 3	martoAit, s	dee SmartCAN Date		_	4	5	6	
Lights	Vehicle Wire C	colours	Alternative	9	L	ocation		7	8	9	
LH Flasher	Yellow						_	-		-	-
Fog Light	Orange/white							10	11	12	
RH Flasher	Yellow							\vdash			
RH Side Light	Green							13	14	15	
Brake Light	Red										
LH Side Light	Green		Slightly thic	cker				16	17	18	
Reverse	White						_	49	20	24	_

Quality, Service, Innovation

-Core Entry Point	try Point Longer 7 Core Cable				Bypass Recommended If TF2302, see SmartCAN data				Other Relay Recomende				
9	3m				TF2218/7SMARTLOGIC								
Automatic Trailer Fla	asher Monitor	Reversing	Sensor	sor Cut Out Switch, etc.			Mfr's Towing Plug						
ind Constant Live					Find Ignition-Swi	tched Live							
Colour:					Colour:								
Location: Fusebox					Location:								
Add Fuse:					Add Fuse:								
Best Wiring Location	1		Route to Battery			Fusebox Lo	cation						
3 under kick plate						12							
Choose power		ı. On cars v	vith power manaç	jement (ID	by battery condition	on in display)	do not go	to the	battery	/-			
These n	otes relate fitting	bypass rel	ay. For TF2302 Si	martCAN, s	y correct wire in Icsee SmartCAN Data	1	1 4	2 5	3				
These n	otes relate fitting Vehicle Wire Co	bypass rel	ay. For TF2302 Si	martCAN, s	see SmartCAN Data	ocation		5	3 6 9				
These notes that the second se	Vehicle Wire Co	bypass rel	Alternative Test- more	martCAN, s than one	see SmartCAN Data L 13 un	ocation der kick plate	4	5	6 9				
These notes that the second se	Vehicle Wire Co White Green	bypass rel	Alternative Test- more Test- more	than one	L 13 un	ocation der kick plate der kick plate	4	5	3 6 9				
Lights LH Flasher Fog Light RH Flasher	Vehicle Wire Co White Green White	bypass rel	Alternative Test- more Test- more Test- more	than one than one than one	L 13 un 13 un	ocation der kick plate der kick plate der kick plate	4	5	6 9				
Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire Co White Green White White White White	bypass rel	Alternative Test- more Test- more Test- more Test- more Test- more	than one than one than one than one than one	L 13 un 13 un 13 un 13 un 13 un	ocation der kick plate der kick plate der kick plate der kick plate	4	5 8	6 9				
Lights LH Flasher Fog Light RH Flasher RH Side Light Brake Light	Vehicle Wire Co White Green White White White Green/black	bypass rel	Alternative Test- more	than one	13 un 13 un 13 un 13 un 13 un 13 un	ocation der kick plate	10	5 8	6 9				
Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire Co White Green White White White White	bypass rel	Alternative Test- more Test- more Test- more Test- more Test- more	than one	13 un 13 un 13 un 13 un 13 un 13 un 13 un	ocation der kick plate der kick plate der kick plate der kick plate	10	5 8 11 11	6 9				

Quality, Service, Innovation

7-Core Entry Poin	t				Bypass Recommended F2302, see SmartCAN data			Other Relay Recomended					
				None									
Automatic Trailer	Automatic Trailer Flasher Monitor Reve				Cut Out Switch, e	itch, etc. Mfr's To			na Plu				
✓			,				21 La		g	<u> </u>			
Find Constant Liv	e				Find Ignition-Swi	tched Live							
	<u> </u>				Colour:	torica Live							
Colour:													
Location:					Location:								
Add Fuse:					Add Fuse:								
Best Wiring Locat	ion		Route to Battery			Fusebox L	ocation						
21			reduce to Dationy			, doosex E							
Chaosa na	wor course careful	ly On care	with power manag	omont (ID	by battory condition	n in dienlay	η do no	t ao t	a tha h	attory			
		iy. On Cars	with power manag	Jennent (1D	by battery condition	ni ili uispiay	, uo no	ı go ı) tile D	allery.			
Fitting times, etc.	Notes												
			re given. Use prob					1	2	3			
These	e notes relate fittin	g bypass re	elay. For TF2302 Sr	martCAN, s	see SmartCAN Data	3							
Lights	Vehicle Wire 0	Colours	Alternative		L	ocation		7	5	9			
										3			
LH Flasher	Green/red							-		┌			
LH Flasher Fog Light	Green/red Red and Yellov	v (2)	Two; use eit	ther.		21		10	11	12			
		v (2)	Two; use eit	ther.		21		10	11	12			
Fog Light	Red and Yellov	v (2)	Two; use eit	ther.		21							
Fog Light RH Flasher	Red and Yellov Green/white	v (2)	Two; use eit	ther.		21		10	11	12			
Fog Light RH Flasher RH Side Light	Red and Yellov Green/white Orange/red	v (2)	Two; use eit	ther.		21							

Quality, Service, Innovation

Landrover Discovery 4WD 2001 -

-Core Entry Point		Longer 7 Core Cable		If	Bypass Recommended If TF2302, see SmartCAN data			Other Relay Recomende				
				None								
Automatic Trailer Fla	asher Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	q		
V							21 La			<u> </u>		
Find Constant Live					Find Ignition-Sw	itched Live						
Colour:					Colour: Col							
Location: Trailer pl	lua				Location:							
Add Fuse:	idg				Add Fuse:							
Best Wiring Location	n		Route to Battery	,		Fusebox I	ocation					
Choose nowe	er source careful	ly. On cars	with power mana	agement (I	D by battery condition	on in displa	v) do not	ao to	the h	atterv		
Fitting times, etc. N		iy. On cars	with power mana	igernerit (i	b by battery conditi	on in dispia	y) do not	go ic	, tile b	attery.		
Straightforward												
					tify correct wire in l , see SmartCAN Dat			1 4	2	3		
Lights	Vehicle Wire C	Colours	Alternativ	е	ı	Location		7	8	9		
LH Flasher	Green/red						7	•				
Fog Light	Red and Yellov	v (2)	Two; use	either.				10	11	12		
RH Flasher	Green/white											
RH Side Light	Orange/red							13	14	15		
Brake Light	Green/purple											
LH Side Light	Black/red							16	17	18		
Reverse	Green/brown							40	20	24		

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RH Flasher

Brake Light LH Side Light

Reverse

RH Side Light

Green

Brown Green/purple

Brown Green/brown

ar Data Sheet				Landr	over Dis	cove	ry II	I 4W	/D 20
7-Core Entry Point	ore Cable	Bypass Recommended If TF2302, see SmartCAN data			Other Relay Recomende				
			F2218/7SM	ARTLOGIC					
Automatic Trailer Flasher Monitor	Reversing S	Sensor	Cut	Out Switch, 6	etc.	Mfr's	Towir	ng Plug	g
✓				<u> </u>		19			
ind Constant Live			Fin	d Ignition-Swi	tched Live				
Colour:				Colour:					
Location: 19				Location:					
Add Fuse:			Д	dd Fuse:					
Best Wiring Location	ı	Route to Battery			Fusebox Lo	ocation			
19 Behind panel									
Choose power source care	fully. On cars w	rith power managem	ent (ID by ba	attery conditio	on in display)	do not	go to	the ba	attery.
Fitting times, etc. Notes									
Find 2 towing sockets behind n/s rea Fail/rev & fog and relay wires for ign							ed.On	the 6 w	vay find
Wire positions and connectio These notes relate fit							1	2	3
Lights Vehicle Wir	e Colours	Alternative		L	ocation		7	5	9
LH Flasher Yellow						▋▝	-+	-	
Fog Light Red/yellow							10	11	12

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Car Data Sheet

Landrover Discovery98/Range Rover 94- 4WD Nov -

7-Core Entry Point	Longer 7 Core Cable				Bypass Recommended If TF2302, see SmartCAN data				Other Relay Recomende					
21 Grommet				None										
Automatic Trailer F	Flasher Monitor	Reversing	Sensor		Cut Out Switch, etc.				Mfr's Towing Plug					
							21 La							
Find Constant Live)				Find Ignition-Sw	tched Live								
Colour:					Colour:									
Location: 21					Location:									
Add Fuse:					Add Fuse:									
Best Wiring Location Route to Batt			Route to Battery	1		Fusebox L	ocation							
Fitting times, etc. 12S wiring: Late mo feed to rear door: Tv	Notes del with computer of	controlled vo	-		by battery condition									
These	notes relate fittin	g bypass re	elay. For TF2302 S	SmartCAN, s	y correct wire in lo ee SmartCAN Data	a	_ [1 4	2	3				
Lights	Vehicle Wire C	Colours	Alternative	е	L	ocation.	_ [7	8	9				
LH Flasher	Green/red						_							
Fog Light	Red/yellow							10	11	12				
RH Flasher	Green/yellow							H			1			
RH Side Light	Red/black							13	14	15	L			
Brake Light	Green/purple													
LH Side Light	Red/white							16	17	18				
Reverse	Green/brown							19	20	21	Γ			

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Landrover Freelander 4WD 2001 -

-Core Entry Point		Longer 7	Core Cable	If	Bypass Recommo TF2302, see Smart		Othe	r Rela	y Reco	omeno	bek
21 Grommet rear floo	or	2m		None		TF2100T/TF2005T/TF11					
Automatic Trailer F	lasher Monitor	Reversin	g Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	g	
							21 No	ot on 2	2004+		
Find Constant Live		ll .			Find Ignition-Sw	vitched Live					
Colour:					Colour:						
Location: Battery					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	on		Route to Batte	ry		Fusebox L	ocation	ı			
21			Grommet RH be	ulkhead		6 ; 2004+ 0	dash 12				
Fitting times, etc. N		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			D by battery conditi		,,				
These	notes relate fitting	g bypass r	elay. For TF2302	SmartCAN,	tify correct wire in see SmartCAN Da	ta		1 4	2	3	
Lights	Vehicle Wire C	olours	Alternati	ve		Location	_	7	8	9	
LH Flasher	Green/red					21					
Fog Light	Red/yellow					21		10	11	12	
RH Flasher	Green/white					21		\vdash			
RH Side Light	Red/black		Orange/v	vhite		21		13	14	15	L
Brake Light	Green/purple					21					
LH Side Light	Red/orange					21		16	17	18	ł

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Quality, Service, Innovation

LH Side Light

Reverse

Green/purple

Green/white

Car Data Shee	et			Landrover Freelander II 4WD 2007							
7-Core Entry Point		Longer 7 (Core Cable	Bypass Recommended If TF2302, see SmartCAN data Other Relay Recomer						omen	ded
19 (21 in Estate) Gro	mmet in floor			TF2218/7	'SMARTLOGIC	TF2302 SmartCAN					
Automatic Trailer F	lasher Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	g	
										_	
Find Constant Live					Find Ignition-Sw	itched Live					
Colour:					Colour:						
Location: 19					Location:						
Add Fuse: F9, 15 a	amps				Add Fuse:						
Best Wiring Location	on		Route to Battery			Fusebox L	.ocatior)			
21						Boot LHS 1	16/19				
Choose pow	er source careful	ly. On cars	with power manag	ement (ID	by battery conditi	on in display	/) do no	t go to	the b	attery	/.
Fitting times, etc. N	lotes										
Fuse slot FA11 make	es blue wire live										
CANbus kit facilitates	s dealer reprogran	nme for enha	nced features								
			e given. Use prob					1	2	3	1
Inese	notes relate fittin	g bypass re	lay. For TF2302 Sr	nartCAN, s	ee SmartCAN Dat	a	[4	5	6	1
Lights	Vehicle Wire C	Colours	Alternative			Location		7	8	-	ł
LH Flasher	Grey/orange					19	•	\vdash	•	-	┍
Fog Light	Green/brown					19		10	11	12	
RH Flasher	Green/orange					19		$\vdash \vdash$			-
RH Side Light	White/orange		Grey/Brown			19		13	14	15	
Brake Light	Purple/brown					19		i I			

Orange/white

19

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Car Data Sheet				Landr	over Rai	nge R	love	r 4V	VD 20
7-Core Entry Point	Longer 7	Core Cable		Bypass Recomme F2302, see Smart(Othe	r Rela	y Reco	omend
21 Grommet rear floor	2m		TF2218/	7SMARTLOGIC					
Automatic Trailer Flasher N	Monitor Reversing	g Sensor		Cut Out Switch,	Mfr's	Towi	ng Plu	ıg	
						21			<u> </u>
Find Constant Live				Find Ignition-Sw	itched Live				
Colour:				Colour:					
Location: 21				Location:					
Add Fuse:				Add Fuse:					
Best Wiring Location		Route to Batter	ry		Fusebox L	ocation			
21					Boot RHS	18/21			
Choose power source	ce carefully. On cars	with power man	agement (ID	by battery condition	on in display) do no	t go to	the b	attery.
Fitting times, etc. Notes									
Suspension: Inhibitor switch	on front centre conso	le locks suspension	on to "Normal"	. Details in handbo	ok.				
Fault condition: Trailer brake	lights may flash if you	u connect bypass	red (brake) si	gnal wire to towing	plug. Connec	t to high	-level	brake	light
Wire positions and cor							1	2	3
These notes re	elate fitting bypass r	elay. For TF2302	SmartCAN, s	see SmartCAN Dat	a			5	
Lights Vehic	cle Wire Colours	Alternativ	ve	ı	_ocation		7	8	- 6
LH Flasher Blue/	/green			Т	railer plug	_	\vdash		-
Fog Light Yello	w/black				21		10	11	12
RH Flasher Blue/	/brown			Т	railer plug		\square		\sqcup
RH Side Light Grev	/white			Т	railer plug				

Vehicle Wire Colours	Alternative	Location
Blue/green		Trailer plug
Yellow/black		21
Blue/brown		Trailer plug
Grey/white		Trailer plug
Black/blue		Trailer plug
grey/violet		Trailer plug
White/yellow		21
	Blue/green Yellow/black Blue/brown Grey/white Black/blue grey/violet	Blue/green Yellow/black Blue/brown Grey/white Black/blue grey/violet

	1	2	3	L
ı	4	5	6	
	7	8	9	
	10	11	12	
	13	14	15	
	16	17	18	ı
	19	20	21	Γ
		•		

Quality, Service, Innovation

Reverse

White/yellow

Landrover Range Rover 4WD 2007 -

7-Core Entry Point		Longer 7 C	Core Cable		Bypass Recommended If TF2302, see SmartCAN data			Rela	y Reco	menc	led	
21 Grommet rear floo	or	2m		TF2218/7	218/7SMARTLOGIC			TF2218/7SMARTLO				
Automatic Trailer FI	asher Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	g		
							21					
Find Constant Live					Find Ignition-Sw	itched Live						
Colour:					Colour:							
Location: 21					Location:							
Add Fuse:					Add Fuse:							
Best Wiring Location Route to Ba				y		Fusebox Location						
21						Boot RHS 1	8/21					
Choose power	er source careful	ly. On cars v	with power mana	agement (ID	by battery conditi	on in display) do not	go to	the b	attery		
Fitting times, etc. N	lotes											
Suspension: Inhibitor	switch on front ce	entre console	locks suspension	n to "Normal"	. Details in handbo	ok.						
Wiring: Fog & side lig Relay will switch both	hts share the sam side and fog outp	ne wire. Conrouts correctly	nect ONLY the foo	g signal wire f	rom the TF2217L0	OGIC or TF221	18 Smar	t7 by	oass to	this v	vire	
					y correct wire in I ee SmartCAN Dat			1	2	3		
Lights	Vehicle Wire C	olours	Alternativ	re		Location	■	4	5	6	ı	
LH Flasher	Blue/green				Т	railer plug		7	8	9	7	
Fog Light	Yellow/black					21		10	11	12		
RH Flasher	Blue/brown				Т	railer plug						
511 611 1111			ъ .									

Lights	Vehicle Wire Colours	Alternative	Location
LH Flasher	Blue/green		Trailer plug
Fog Light	Yellow/black		21
RH Flasher	Blue/brown		Trailer plug
RH Side Light		Do not connect	
Brake Light	Black/blue		Trailer plug
LH Side Light		Do not connect	

21

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Landrover Range Rover 94- 4WD Nov 1994 -

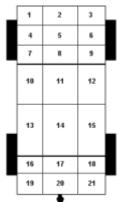
7-0	Core Entry Point		Longer 7	Core Cable		Bypass Recomme F2302, see SmartC		Other Relay Recomend				
Αι	utomatic Trailer Fla	asher Monitor	Reversing	Sensor		Cut Out Switch, 6	Mfr's Towing Plug					
								21 La	amp			
Fii	nd Constant Live					Find Ignition-Swi	tched Live					
	Colour:			Colour:								
	Location:					Location:						
	Add Fuse:	Live Cocation Route to Battery Docation Route to Battery Proposed Section Red. Notes Proposed Section Red. Notes Proposed Section Red. Proposed Sect				Add Fuse:						
	add i doe.					7 dd 1 doc.						
Ве	est Wiring Location	n		Route to Battery			Fusebox Lo	ocation	1			
	Route to Battery Choose power source carefully. On cars with power mana											
			ly. On cars	with power manage	ement (ID	by battery condition	on in display)	do no	t go t	o the b	attery	<i>/</i> .
	itting times, etc. N		ontrolled ve	oltago: for 125 upo a	alanaia aar	mbi and find an igni	tion awitahad	triagor	at the	roor O	VS 001	mor
				onage. for 125 use a	ciassic coi	noi and iind an igni	lion-switched	uiggei	at the	rear O	75 COI	ner,
									1 4	2	3	
	Lights	Vehicle Wire C	olours	Alternative		L	ocation		7	8	-	ł
	LH Flasher	Green/red						•	Ė		+	┍
	Fog Light	Red/yellow							10	11	12	
	RH Flasher	Green/yellow							<u> </u>			-
	RH Side Light	Red/black							13	14	15	
	Brake Light	Green/purple							ĺ			
	LH Side Light	Red/white							16	17	18	1
	Reverse	Green/brown										₽

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Quality, Service, Innovation

Ca	r Data Sheet				Landrover F	Range Ro	ver (Spo	rt 4V	VD 2	2005
7-0	Core Entry Point	Longer 7 Co	ore Cable		Bypass Recomme F2302, see Smart0		Othe	r Rela	y Reco	omeno	ded
				TF2218/7	'SMARTLOGIC						
Au	tomatic Trailer Flasher Monito	r Reversing S	Sensor		Cut Out Switch,	etc.	Mfr's	Tow	ing Plu	ıq	
	✓				,		19			<u> </u>	
Fir	nd Constant Live	,			Find Ignition-Sw	itched Live					
	Colour:				Colour:						
ı	ocation: 19				Location:						
Α	dd Fuse:				Add Fuse:						
Ве	st Wiring Location	ı	Route to Battery	y		Fusebox Lo	cation)			
19											
	Choose power source care	efully. On cars w	ith power mana	agement (ID	by battery conditi	on in display)	do no	t go t	o the b	attery	
Fi	tting times, etc. Notes										
	d 2 towing sockets behind n/s re l/rev & fog and relay wires for ig							ed.Or	the 6	way fin	nd
	Wire positions and connecti These notes relate fi							1	2	3	
	Lights Vehicle Wi	re Colours	Alternativ	re	I	Location		7	5	6	
	LH Flasher Yellow						_	Ľ.	8	,	_
1	Fog Light Red/yellow							10	11	12	
			1				1		I		

Lights	Vehicle Wire Colours	Alternative	Location
LH Flasher	Yellow		
Fog Light	Red/yellow		
RH Flasher	Green		
RH Side Light	Brown		
Brake Light	Green/purple		
LH Side Light	Brown		
Reverse	Green/brown		



Quality, Service, Innovation

Car Data Sheet LDV Maxus Van 2006

ar Data Sneet						axu	SV	an Zuc
7-Core Entry Point	Longer	7 Core Cable		commended SmartCAN data	Other	Other Relay Reco		
	2m							
Automatic Trailer Flashe	er Monitor Reversi	ng Sensor	Cut Out S	Switch, etc.	Mfr's	Towin	g Plu	g
Find Constant Live			Find Ignit	ion-Switched Live				
Colour:			Colo	ur:				
Location:			Location	on:				
Add Fuse:			Add Fu	se:				
Best Wiring Location		Route to Battery		Fusebox	Location			
19								
Choose nower so	ource carefully. On ca	rs with power manager	ment (ID by hattery	condition in displa	v) do not	go to	the h	attery
Fitting times, etc. Notes		13 with power manager	ment (ID by battery		y, do not	go to	1110 15	attery.
Colours on main loom sho		alternatives column						
		c are given. Use probe to relay. For TF2302 Sma				1	2	3
			,		— I	4	5	6
	ehicle Wire Colours	Alternative		Location	▃▐	7	8	9
	ue	Yellow		19	7		41	43
g g	reen/white	Blue		19	_	10	11	12
RH Flasher BI	ue/white	Yellow		21		_		\vdash
RH Side Light Br	rown/white	Green		21		43	44	46

19

19

19

Red

Green

White

Brake Light

Reverse

LH Side Light

Yellow

Purple

Green/white

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Lexus IS200 Sport All 2001 -

7-Core Entry Point		Longer 7	Core Cable			Bypass Recomme F2302, see Smart0		Othe	r Rela	y Reco	meno	led
19				3-v	vay: Si	op & L/R tails						
Automatic Trailer F	lasher Monitor	Reversin	g Sensor			Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	a	
			<u> </u>			,				<u> </u>		
Find Constant Live						Find Ignition-Sw	itched Live					
Colour:						Colour:						
Location:						Location:						
Add Fuse:						Add Fuse:						
Best Wiring Location	on		Route to Ba	ttery		ı	Fusebox L	.ocatior	1			
			Grommet LH	bulkhead								
			•••		. (15.							
		ly. On car	s with power n	nanageme	nt (ID I	by battery condition	on in display	/) do no	t go to	the b	attery	——
Fitting times, etc. N	iotes											
Wire positions	and connection	ooints etc	are given. Use	probe to i	dentify	y correct wire in lo	ocation.		1	2	3	L
					<i></i>				4	5	6	
Lights	Vehicle Wire C	Colours	Alterr	native		l l	ocation	_	7	8	9	
LH Flasher	Green/black											
Fog Light	Green/orange								10	11	12	
RH Flasher	Green/yellow								$\vdash\vdash$			
									1 1		1	
RH Side Light	Green								13	14	15	
RH Side Light Brake Light	Green/white								13	14	15	
									13	17	15	

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7-Core Entry Point		Longer 7 C	ore Cable		Bypass Recomme F2302, see SmartC		Othe	r Rela	y Reco	meno	led
				TF2218/	7SMARTLOGIC						
Automatic Trailer Fla	asher Monitor	Reversing	Sensor		Cut Out Switch, e	etc.	Mfr's	Towi	ng Plu	a	
					,					<u> </u>	
Find Constant Live					Find Ignition-Swi	tched Live					
Colour:					Colour:						
Location: Fusebox	,				Location:						
Add Fuse:					Add Fuse:						
Add Fuse.					Add I dse.						
Best Wiring Location	 n		Route to Batter	v		Fusebox Lo	cation				
19				,		Boot LHS 16	6/19			-	-
Choose nowe	er source careful	ly On cars	with nower man	agement (ID	by battery condition	n in display)	do no	t ao t	n the h	attory	,
		iy. On cars i	with power man	agement (ID	by battery condition	iii uispiay)	40 110	. go .	o the b	utter y	
Fitting times, etc. N	otes										
		points etc ar									
These r					y correct wire in lo			4	- 2		1
1116361	otes relate fittin				y correct wire in lo see SmartCAN Data			1	2	3	
Lights	Vehicle Wire C	g bypass re		SmartCAN, s	see SmartCAN Data		7	4	5	6	
		g bypass re	lay. For TF2302	SmartCAN, s	see SmartCAN Data	1		<u> </u>		6 9	
Lights	Vehicle Wire 0	g bypass re	lay. For TF2302	SmartCAN, s	see SmartCAN Data	1		4	5	3 6 9	
Lights LH Flasher	Vehicle Wire C	g bypass re	lay. For TF2302	SmartCAN, s	see SmartCAN Data	1		7	5	6	
Lights LH Flasher Fog Light	Vehicle Wire C Black/green Red	g bypass re	lay. For TF2302	SmartCAN, s	see SmartCAN Data	1		10	5 8	6 9	
Lights LH Flasher Fog Light RH Flasher	Vehicle Wire C Black/green Red Green/yellow	g bypass re	lay. For TF2302	SmartCAN, s	see SmartCAN Data	1		7	5	6	
Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire C Black/green Red Green/yellow Purple	g bypass re	lay. For TF2302	SmartCAN, s	see SmartCAN Data	1		10	5 8	6 9	

Quality, Service, Innovation

-Core Entry Point		Longer 7	Core Cable		Bypass Recomme F2302, see Smart0		Othe	r Rela	y Reco	omeno	ded
				TF2218/	7SMARTLOGIC						
Automatic Trailer F	lasher Monitor	Reversin	a Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ing Plu	<u>a</u>	
		r.ovo.o	9 00.100.		out out ownon,	<u> </u>			<u></u>	<u>9</u>	
nd Constant Live					Find Ignition-Sw	itched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
est Wiring Location	on		Route to Batte	ery		Fusebox Lo	cation	1			
			Grommet LH b	ulkhead							
Choose pow	er source careful	lv. On cars	with power ma	nagement (ID	by battery condition	on in display)	do no	t ao t	o the b	atterv	/.
Fitting times, etc. N			•	•	<u> </u>	. ,,					
Vires in this car, incl		the rear bu	ımper, are ultra-s	ensitive. If you	even prick them to	test for a live.	you m	ust tar	e then	ı up	
fterwards or you ma					•						
Viring: Bring opposit	e flasher and tail I	ight leads a	across to connect	ion point							
Wire positions	and connection r	oints etc :	are given Hse n	rohe to identif	y correct wire in le	ncation					
					see SmartCAN Dat			1	2	3	L
Lighto	Vehicle Wire C	olouro	Alternat	tivo		_ocation	- 1	4	5	6	ı
Lights LH Flasher		olours	Aiternat	uve		Location	- 1	7	8	9	
	Green/yellow Black/silver					21	-	10	11	12]
Fog Light						۷۱	-	"		"	
RH Flasher	Green/yellow Green					21	-				1
RH Side Light						۷۱	_	13	14	15	
Brake Light	Blue						-				
LH Side Light							_	16	17	18	ı
Reverse	White/silver					21		19	20	21	

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7-Core Entry Point		Longer 7 (Core Cable	If T	Bypass Recomme F2302, see Smart0		Othe	r Rela	y Reco	men	bet
19				TF2218/	7SMARTLOGIC						
Automatic Trailer Fl	asher Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	a	
					,					<u> </u>	
ind Constant Live					Find Ignition-Swi	tched Live					
Colour:					Colour:						
Location: Battery					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Locatio	n		Route to Batter	ry	1	Fusebox L	ocation				
19			Boot								
Choose power		ly. On cars	with power man	agement (ID	by battery condition	on in display) do no	t go to	o the b	attery	·-
					ry correct wire in Id			1	2	3	L
	Vehicle Wire C						_	4	5	6	
Lights	venicie wire c	colours	Alternati	ve	L	ocation				l	
Lights LH Flasher	Yellow	olours	Alternati	ve	L	ocation 19		7	8	9	
		colours	Alternati	ve	L			7	11	12	
LH Flasher	Yellow	colours	Alternati	ve	L	19		_		12	
LH Flasher Fog Light	Yellow Pink	colours	Alternati	ve	L	19 19		10	11		
LH Flasher Fog Light RH Flasher	Yellow Pink Green	colours	Alternati	ve	L	19 19 19		_		12	
LH Flasher Fog Light RH Flasher RH Side Light	Yellow Pink Green Green	colours	Alternati	ve	L	19 19 19 19		10	11		

Quality, Service, Innovation

Leyland/LDV Convoy 300/400 Van 2001 -

7-Core Entry Point		Longer 7 (Core Cable		Bypass Recommer F2302, see SmartC		Othe	r Rela	y Reco	meno	ied
				None							
Automatic Trailer F	lasher Monitor	Reversing	Sensor		Cut Out Switch, e	etc.	Mfr's	Towi	ng Plu	a	
		- Novolonig			out out ownon, o					9	
Find Constant Live					Find Ignition-Swi	tched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	on		Route to Battery		-	Fusebox L	ocation				
<u> </u>											
		ly. On cars	with power manag	gement (ID	by battery condition	n in display) do no	t go t	the b	attery	
Fitting times, etc. N	lotes										
Mina maaitiama		!	Haa maak								
These	and connection	ooints etc a	re aiven. Use brob			4!					
	notes relate fittin	g bypass re	lay. For TF2302 S	martCAN, s	y correct wire in lo see SmartCAN Data	cation.		1	2	3	`■
Lighte			lay. For TF2302 S	martCAN, s	ee SmartCAN Data	1	- 1	4	5	6	
Lights	Vehicle Wire 0		lay. For TF2302 S	martCAN, s	ee SmartCAN Data	ocation.				6 9	
LH Flasher	Vehicle Wire (lay. For TF2302 S	martCAN, s	ee SmartCAN Data	1		4	5	9	
LH Flasher Fog Light	Vehicle Wire (Green/red Blue/yellow		lay. For TF2302 S	martCAN, s	ee SmartCAN Data	1		7	5	6	
LH Flasher Fog Light RH Flasher	Vehicle Wire C Green/red Blue/yellow Green/white		lay. For TF2302 S	martCAN, s	ee SmartCAN Data	1		10	5 8	9	
LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire Of Green/red Blue/yellow Green/white Red/orange		lay. For TF2302 S	martCAN, s	ee SmartCAN Data	1		7	5	6	
LH Flasher Fog Light RH Flasher	Vehicle Wire C Green/red Blue/yellow Green/white		lay. For TF2302 S	martCAN, s	ee SmartCAN Data	1		10	5 8	9	

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Leyland/LDV Convoy 300/400 Van 2001 -

7-Core Entry Point		Longer 7 (Core Cable		Bypass Recommer F2302, see SmartC		Othe	r Rela	y Reco	meno	ied
				None							
Automatic Trailer F	lasher Monitor	Reversing	Sensor		Cut Out Switch, e	etc.	Mfr's	Towi	ng Plu	a	
		- Novolonig			out out ownon, o					9	
Find Constant Live					Find Ignition-Swi	tched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	on		Route to Battery		-	Fusebox L	ocation				
<u> </u>											
		ly. On cars	with power manag	gement (ID	by battery condition	n in display) do no	t go t	the b	attery	
Fitting times, etc. N	lotes										
Mina maaitiama		!	Haa maak								
These	and connection	ooints etc a	re aiven. Use brob			4!					
	notes relate fittin	g bypass re	lay. For TF2302 S	martCAN, s	y correct wire in lo see SmartCAN Data	cation.		1	2	3	`■
Lighte			lay. For TF2302 S	martCAN, s	ee SmartCAN Data	1	- 1	4	5	6	
Lights	Vehicle Wire 0		lay. For TF2302 S	martCAN, s	ee SmartCAN Data	ocation.				6 9	
LH Flasher	Vehicle Wire (lay. For TF2302 S	martCAN, s	ee SmartCAN Data	1		4	5	9	
LH Flasher Fog Light	Vehicle Wire (Green/red Blue/yellow		lay. For TF2302 S	martCAN, s	ee SmartCAN Data	1		7	5	6	
LH Flasher Fog Light RH Flasher	Vehicle Wire C Green/red Blue/yellow Green/white		lay. For TF2302 S	martCAN, s	ee SmartCAN Data	1		10	5 8	9	
LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire Of Green/red Blue/yellow Green/white Red/orange		lay. For TF2302 S	martCAN, s	ee SmartCAN Data	1		7	5	6	
LH Flasher Fog Light RH Flasher	Vehicle Wire C Green/red Blue/yellow Green/white		lay. For TF2302 S	martCAN, s	ee SmartCAN Data	1		10	5 8	9	

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ar Data Sneet							IVI	aza	a 2 <i>F</i>	411 Z	JU3 -
7-Core Entry Point		Longer 7 C	Core Cable		Bypass Recommer F2302, see SmartC		Other	Rela	y Reco	omend	ed
19/21 Grommet				TF2218/7	7SMARTLOGIC						
Automatic Trailer Flas	sher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's	Towi	ng Plu	g	
Find Constant Live					Find Ignition-Swi	tched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location			Route to Battery			Fusebox L	ocation				
Choose power	source careful	y. On cars v	with power manag	gement (ID	by battery conditio	n in display) do not	go to	the b	attery.	
Fitting times, etc. No	tes										
Fog & rev in white mult	iplug high up at	19									
Wire positions ar These no	nd connection potes relate fitting	oints etc ar g bypass re	e given. Use prob lay. For TF2302 Si	e to identif martCAN, s	y correct wire in lo ee SmartCAN Data	cation.		1	2	3	•
Lights	Vehicle Wire C	olours	Alternative	1	L	ocation		7	5	9	•
LH Flasher	Blue		Green/black	<		19	-	-	•	-	-
Fog Light	Green/yellow		Blue/yellow		S	ee note		10	11	12	
RH Flasher	Blue/red		Green/white	Э		21		_			
RH Side Light	Orange		Red/yellow			21		13	14	15	
Proko Light	Croon/blook		Dod/whito?			10					-

Red/yellow

Black/yellow

LH Side Light

Reverse

Orange/white

٦ ا	4	5	6	
- 1	7	8	9	
	10	11	12	
	13	14	15	
- 1	16	17	18	ı
	19	20	21	Γ
		•		

19

See note

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Quality, Service, Innovation

7-Core Entry Point		Longer 7	Core Cable		Bypass Recomm	ended	Other	r Rela	y Reco	menc
•				If	TF2302, see Smart				-	
19/21 Grommets rea	r panel			None						
Automatic Trailer F	lasher Monitor	Reversing	g Sensor		Cut Out Switch	, etc.	Mfr's	Towi	ng Plu	q
										<u> </u>
ind Constant Live					Find Ignition-Sv	vitched Live				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Location	on		Route to Batter	ry		Fusebox L	ocation			
			Grommet LH bu	ılkhead						
Choose pow	er source careful	ly. On cars	with power man	nagement (I	D by battery condit	ion in display	/) do not	go to	the b	attery
Fitting times, etc. N	lotes									
Remove rear n/s kick	plate to find fog a	nd reverse								
og & Reverse : Wire	e at lamps to avoi	d AIRBAG V	VIRES (Also black	k)						
Wire positions	and connection	ooints etc a	are given. Use pr	obe to iden	tify correct wire in	location.				
These	notes relate fittin	g bypass r	elay. For TF2302	SmartCAN	, see SmartCAN Da	ita		1	2	3
Lights	Vehicle Wire (Colours	Alternati	ve		Location		4	5	6
LH Flasher	Blue						_	7	8	9
Fog Light	Black or red		See Note	above				10	11	12
RH Flasher	Blue/red									
RH Side Light	Orange							13	14	15
Brake Light	Red/green									
I H Side Light	Orange/white									\vdash

Quality, Service, Innovation

See Note above

Black or green/black

Reverse

Black or green/black

Reverse

7-Core Entry Point		Longer 7 C	ore Cable		Bypass Recommei F2302, see SmartC		Other	Rela	y Reco	menc	led
Automatic Trailer F	lasher Monitor	Reversing	Sensor		Cut Out Switch, e	etc.	Mfr's	Towi	ng Plu	g	
					,					<u> </u>	
Find Constant Live					Find Ignition-Swi	tched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	on		Route to Battery			Fusebox L	ocation				
Choose pow	er source carefully	. On cars v	vith power managen	nent (ID	by battery condition	n in display) do not	go to	the b	attery	
Fitting times, etc. N	Notes										
Fog: single grey wire		ite									
			e given. Use probe t ay. For TF2302 Sma					1 4	2	3	
Lights	Vehicle Wire Co	lours	Alternative		L	ocation		7	8	9	
LH Flasher	Grey					19	_	-		-	
Fog Light	Light grey					16		10	11	12	
RH Flasher	Blue/red						7				
RH Side Light	Orange							13	14	15	
Brake Light	Purple	-									
LH Side Light	Orange/white						ı	16	17	18	

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Car Data Sheet Mazda 3 Saloon 2004 -

7-Core Entry Poin	t	Longer 7 Co	ore Cable	If T	Bypass Recomme F2302, see SmartC		Othe	r Rela	y Reco	meno	bek
Grommet in rear pa	inel			None							
Automatic Trailer	Flasher Monitor	Reversing S	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	q	
		3			,				J	<u> </u>	
Find Constant Liv	e				Find Ignition-Swi	itched Live					_
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Locat	ion	ı	Route to Battery			Fusebox L	.ocation	1			
19								-			
Chassa na	wer source carefull	V On core w	ith nower mane	roment (ID	by battary condition	n in diaple.	ı) do no	t ao t	a tha h	otton	
Fitting times, etc.		y. On cars w	itti power manaç	gement (ID	by battery condition	on in display	/) uo 110	ı go u	o trie b	allery	<u>. </u>
riting times, etc.	110103										
These	s and connection p notes relate fitting	g bypass rela	ay. For TF2302 S	martCAN,	see SmartCAN Data	a	_ [1 4	2	3	
Lights	Vehicle Wire C	olours	Alternative	1	L	ocation		7	8	9	۱
LH Flasher	Blue							\vdash			Г.
Fog Light	Red					16		10	11	12	
RH Flasher	Blue/red					21		\vdash			-
RH Side Light	Orange/black					21		13	14	15	
Brake Light	Red										
LH Side Light	Orange/white							16	17	18	ı
Reverse								19	20	24	₹.

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7-Core Entry Point		Longer 7	Core Cable	If 7	Bypass Recomme F2302, see Smart0		Other Rel	ay Rec	omende
				TF2218	/7SMARTLOGIC				
Automatic Trailer F	lasher Monitor	Reversin	ng Sensor		Cut Out Switch,	etc	Mfr's Tow	ina Plu	ıa
	idoner monitor	Reversii	ig Conson		out out ownon, t		11111 3 1011	iiig i id	יש
ind Constant Live					Find Ignition-Swi	itched Live			
Colour:					Colour:				
Location:					Location:				
Add Fuse:					Add Fuse:				
Best Wiring Location 16, 19	on		Route to Batte	ry		Fusebox L	ocation		
Choose pow	er source careful	ly. On car	s with power mar	nagement (ID	by battery condition	on in display	/) do not go	to the b	attery.
Fitting times, etc. N	lotes								
Bypass: car handboo	ok says:"Do not co	nnect direc	ct to loom". TF221	8/7LOGIC red	ommended				
					fy correct wire in Ic				
These	notes relate fittin	g bypass	relay. For TF2302	2 SmartCAN,	see SmartCAN Data	a	1	2	3
Lights	Vehicle Wire C	Colours	Alternati	ive	L	ocation	7	5	9
LH Flasher	Green/black							-	, ,
Fog Light	Blue/yellow						10	11	12
RH Flasher	Green/white								\square
RH Side Light	Light green/bla	ck					13	14	15
Brake Light	Green/yellow								
LH Side Light	Light green/bla	ck					16	17	18
Reverse	Red/vellow						-	-	

Quality, Service, Innovation

Car Data Sheet Mazda 5 MPV 2007 -

		Longer 7 Co	ore Cable		Bypass Recommen F2302, see SmartC		Other F	Relay R	ecomer	ded
Fog-light gromme	t									
utomatic Trailer Fl	lasher Monitor	Reversing S	Sensor		Cut Out Switch, et	ic.	Mfr's To	owing	Plug	
nd Constant Live					Find Ignition-Swit	ched Live				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
est Wiring Location	on		Route to Battery			Fusebox Lo	cation			
l lamp										
Choose pow	er source careful	ly. On cars w	vith power manage	ment (ID	oy battery condition	n in display)	do not q	o to th	e batter	y.
itting times, etc. N	lotes				· ·	· · · · · · · · · · · · · · · · · · ·				
Wire positions	and connection p		e given. Use probe	to identif	y correct wire in lo			1 2		l
Wire positions These	and connection p	g bypass rela	e given. Use probe ay. For TF2302 Sm	to identif	y correct wire in loc ee SmartCAN Data	cation.	_		. 3	
Wire positions These	and connection p notes relate fitting Vehicle Wire C	g bypass rela	e given. Use probe	to identif	y correct wire in loc ee SmartCAN Data	cation.	- I	1 2	3 6	
Wire positions These I Lights LH Flasher	and connection p notes relate fitting Vehicle Wire C Green/black	g bypass rela	e given. Use probe ay. For TF2302 Sm	to identif	y correct wire in loc ee SmartCAN Data Lo	cation. ccation 19		1 2	3 6 9	
Wire positions These	and connection p notes relate fitting Vehicle Wire C	g bypass rela	e given. Use probe ay. For TF2302 Sm	to identif	y correct wire in loc ee SmartCAN Data Lo	cation.		1 2 4 5 7 8	3 6 9	
Wire positions These is Lights LH Flasher Fog Light RH Flasher	and connection p notes relate fitting Vehicle Wire C Green/black Blue/yellow	g bypass rela	e given. Use probe ay. For TF2302 Sm	to identif	y correct wire in loc ee SmartCAN Data Lo	cation. cation 19 nd side panel		1 2 4 5 7 8	: 3 ; 6 ; 9	
Wire positions These I Lights LH Flasher Fog Light	and connection protes relate fitting Vehicle Wire C Green/black Blue/yellow Green/blue	g bypass rela	e given. Use probe ay. For TF2302 Sm	to identif	y correct wire in loc ee SmartCAN Data Lo	cation. cation 19 nd side panel 21		1 2 4 5 7 8	: 3 ; 6 ; 9	
Wire positions These I Lights LH Flasher Fog Light RH Flasher RH Side Light	and connection protes relate fitting Vehicle Wire C Green/black Blue/yellow Green/blue Green/white	g bypass rela	e given. Use probe ay. For TF2302 Sm	to identif	y correct wire in loc ee SmartCAN Data Lo	cation. 19 nd side panel 21		1 2 4 5 7 8	9 1 12 4 15	

Quality, Service, Innovation

Car Data Sheet Mazda 6 All 2002 -

7-Core Entry Point		Longer 7 Core (Cable		Bypass Recomme 2302, see SmartC		Other Re	lay Rec	omende
20 Bungs L/R of cent	re			None					
Automatic Trailer FI	asher Monitor	Reversing Sens	sor		Cut Out Switch,	etc.	Mfr's Tov	ving Plu	ıg
Find Constant Live					Find Ignition-Swi	tched Live			
Colour:					Colour:				
Location: Fusebox	(Location:				
Add Fuse:					Add Fuse:				
Best Wiring Locatio	n	Rout	te to Battery			Fusebox L	ocation		
19			•			Footwell LH	1		
Fitting times, etc. N Warning: Fog connec		in boot because o	f air bags. Conn	nect at n/s	rear door, wheel ar	ch, under kic	ck panel.		
					ocorrect wire in Icee SmartCAN Data		1	2	3
Lights	Vehicle Wire C	olours	Alternative		L	ocation	7	8	9
LH Flasher	Green/tan							+	
Fog Light	Blue/yellow		Black		5	See note	10	11	12
RH Flasher	Green/white								+-+
RH Side Light	Green/black						13	14	15
Brake Light	Green/lime		Green/yellow	-					
LH Side Light	Light green/bla	ck					16	17	48

13

Black

Reverse

Red/yellow

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7-Core Entry Point		Longer 7 (Core Cable		Bypass Recomme F2302, see Smart0		Othe	r Rela	y Reco	meno	led
				TF2218/	7SMARTLOGIC		TF22	:18/7S	MARTI	OGIC	;
Automatic Trailer F	asher Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	a	
		- Novoloning			out out outton,	<u> </u>				9	
ind Constant Live					Find Ignition-Sw	itched Live					
Colour:					Colour:						
Location: Fusebox	,				Location:						
Add Fuse:	`				Add Fuse:						
			T								
Best Wiring Location	on		Route to Battery	/		Fusebox L	ocation.	1			
Choose power	er source careful	ly. On cars	uith power mana	agement (ID	by battery condition	_ on in display	/) do no	t go t	the b	attery	
Fitting times, etc. N	lotes										
					y correct wire in l			1	2	3	1
These i	notes relate fittin	g bypass re	lay. For TF2302 \$	SmartCAN, s	ee SmartCAN Dat	a		_		-	
Lights	Vehicle Wire 0	colours	Alternativ	е	I	_ocation		7	5		
LH Flasher	0 /							٠	0	,	_
Littiasiici	Green/orange										Г
Fog Light	Blue/yellow							10	11	12	
								10	11	12	
Fog Light	Blue/yellow							10	11	12	
Fog Light RH Flasher	Blue/yellow Green/white										
Fog Light RH Flasher RH Side Light	Blue/yellow Green/white Green/black										

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ar Data Sne	eet				waz	da (626 /	4II 1	997		
7-Core Entry Poir	nt	Longer 7	Core Cable		Bypass Recomme F2302, see SmartO		Other	Rela	y Reco	omend	led
				None							
Automatic Trailer	Flasher Monitor	Reversing	Sensor		Cut Out Switch, e	etc.	Mfr's	Towi	ng Plu	g	
Find Constant Liv	/e				Find Ignition-Swi	tched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Loca	tion		Route to Battery		-	Fusebox Lo	ocation				
Choose po	wer source carefu	lly. On cars	with power manag	gement (ID	by battery condition	on in display)) do not	go to	o the b	attery.	
Fitting times, etc	. Notes										
	he side and brake la ote: customer who c							in the	trailer		
Fog/reverse: Lates red/yellow.	st models, fog & revo	erse wires in	roof trim. Find lead	l by fuse box	c. Wires in 4 core fro	om multi plug	there. F	og wi	re blue	/yellow	v; Rev
	es and connection e notes relate fittir							1	2	3	
Lights	Vehicle Wire	Colours	Alternative)	L	ocation		7	5	9	
LH Flasher							7		•	,	•
Fog Light	Blue					18		10	11	12	
RH Flasher										\vdash	
RH Side Light								13	14	15	
Brake Light											
LH Side Light											

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Reverse

Mazda B2500 Pickup June 1999 -

7-Core Entry Point		Longer 7	Core Cable		Bypass Recommer F2302, see SmartC		Othe	r Rela	y Reco	omended
12 Grommet				TF2218/	7SMARTLOGIC					
Automatic Trailer F	lasher Monitor	Reversin	g Sensor		Cut Out Switch, e	tc.	Mfr's	Towi	ng Plu	q
			<u> </u>		,					<u> </u>
Find Constant Live					Find Ignition-Swit	ched Live				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Location	on		Route to Battery			Fusebox L	ocation	 		
Footwell 12			Grommet @ 12							
Choose pow Fitting times, etc. I		lly. On cars	s with power manag	ement (ID	by battery conditio	n in display) do no	t go to	the b	attery.
			are given. Use prob relay. For TF2302 Sn					1	2	3
Lights	Vehicle Wire C	Colours	Alternative		L	ocation		7	5	9
LH Flasher	Green/black						_	Ĺ	0	,
Liiiiasiici										
Fog Light	Red/blue							10	11	12
	Red/blue Green/white							10	11	12
Fog Light								10	11	12
Fog Light RH Flasher										
Fog Light RH Flasher RH Side Light	Green/white									

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Car Data Sheet Mazda CX7 SUV 2010 -

7-Core Entry Point		Longer 7 Co	ore Cable		Bypass Recommer F2302, see SmartC		Othe	r Rela	y Reco	omeno
9/21				TF1152	or TF1155					
Automatic Trailer F	lacher Meniter	Reversing S	Concor		Cut Out Switch	<u></u>	Mfrio	Towi	ng Plu	
	idsher Monitor	Reversing	Delisoi		Cut Out Switch, 6	:16.	IVIII S	OTOWI	ing Fiu	g
ind Constant Live					Find Ignition-Swi	tched Live				
						toned Live				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Location	n .	-	Route to Battery			Fusebox L	ocation	`		
Choose pow		y. On cars w	ith power manag	ement (ID	by battery condition	on in display) do no	t go to	o the b	attery
					y correct wire in lo see SmartCAN Data			1	2	3
Lights	Vehicle Wire C	olours	Alternative		L	ocation		4	5	6
LH Flasher	Blue					19	_	7	8	9
Fog Light	Red/yellow					21		10	11	12
RH Flasher	Blue/red					21				
RH Side Light	Red/orange					21		13	14	15
Brake Light	Red					21		-		-
LH Side Light	Red/white					19		16	17	18
Reverse										

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Car Data Sheet Mazda Demio All 2003 -

7-Core Entry Point		Longer 7 Co	ore Cable		Bypass Recomme F2302, see SmartC		Other	Rela	y Reco	mend	ed
				None							
Automatic Trailer Fla	asher Monitor	Reversing S	Sensor		Cut Out Switch, e	etc.	Mfr's	Towi	ng Plu	g	
Find Constant Live					Find Ignition-Swi	tched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	n	F	Route to Battery			Fusebox Lo	ocation				
Choose power	er source careful	ly. On cars w	ith power manage	ement (ID	by battery condition	n in display)	do not	go to	the b	attery	
Fitting times, etc. N	otes										
					y correct wire in lo ee SmartCAN Data			1	2	3	
Lights	Vehicle Wire C	colours	Alternative		L	ocation		7	5		
LH Flasher	Green/black						-	·		,	-
Fog Light	Red/yellow							10	11	12	
RH Flasher	Green/white									\sqcup	
RH Side Light	Red/black							13	14	15	
Brake Light	Green										
LH Side Light	Red/black							40	47		

Reverse

White/blue

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Car Data Sheet Mazda MPV 2000 -

7-Core Entry Point	Longer 7 Core Cable		Bypass Recommended F2302, see SmartCAN data	Other Relay Recomended
19 Grommet	3m cable along n/s chassis: enter via large grommet under passenger seat. Wire	None		TF115FL
Automatic Trailer Flasher Monitor	Reversing Sensor		Cut Out Switch, etc.	Mfr's Towing Plug
✓	Older models may have a manuin the boot	ual switch	Older models may have a manual switch in the boot	19

Find Constant Live	Find Ignition-Switched Live
Colour:	Colour: Colour
Location: 1	Location: 11
Add Fuse: N/A	Add Fuse: N/A

Best Wiring Location	Route to Battery	Fusebox Location
	Under seat: 10	Dash, R/H (12)

Choose power source carefully. On cars with power management (ID by battery condition in display) do not go to the battery.

Fitting times, etc. Notes

Test with test board to apply realistic loads

Wire positions and connection points etc are given. Use probe to identify correct wire in location. These notes relate fitting bypass relay. For TF2302 SmartCAN, see SmartCAN Data

Lights	Vehicle Wire Colours	Alternative	Location
LH Flasher			
Fog Light			
RH Flasher			
RH Side Light			
Brake Light			
LH Side Light			
Reverse			

	1	2	3	L
	4	5	6	
	7	8	9	
	10	11	12	
	13	14	15	
	16	17	18	ı
П	19	20	21	Γ
		•		

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Red

Reverse

		1								
7-Core Entry Point		Longer 7	Core Cable	If	Bypass Recomm TF2302, see Smart		Other	r Rela	y Reco	omeno
21 behind cluster				None						
Automatic Trailer F	lasher Monitor	Reversin	g Sensor		Cut Out Switch	, etc.	Mfr's	Towi	ng Plu	g
Find Constant Live					Find Ignition-Sv	vitched Live				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Location	on		Route to Batte	ry		Fusebox L	ocation			
21			See note below							
Choose pow	er source careful	ly. On cars	with power mar	nagement (II	D by battery condit	ion in display	/) do not	go to	o the b	attery
Fitting times, etc. N	lotes									
Vire to harness rathe	er than clusters. F	eed cable t	hrough car with ha	arness						
Viring: Bring opposit	te flasher and tail I	ight leads a	across to connecti	on point						
Wire positions	and connection i	oints etc	are given. Use pr	obe to iden	tify correct wire in	location.				
					see SmartCAN Da			1	2	3
Lights	Vehicle Wire C	colours	Alternati	ve		Location	╗╻	4	5	6
LH Flasher	Green/black						_	7	8	9
Fog Light	Blue/yellow							10	11	12
RH Flasher	Green/white									
RH Side Light	Green/black							13	14	15
Brake Light	Green/yellow									
I H Side Light	Green/black									

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Car Data Sheet Mazda RX8 All 2004 -

7-Core Entry Point		Longer 7	Core Cable	If T	Bypass Recomme F2302, see Smart0		Othe	r Rela	y Reco	meno	led
16 Grommet				TF2218/	7SMARTLOGIC						
Automatic Trailer F	lasher Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	q	
			,		,				<u> </u>		
Find Constant Live					Find Ignition-Sw	tched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	on		Route to Batter	у		Fusebox L	ocation)			
19 Lamp			Under bonnet	-							
Choose power		ly. On cars	with power man	agement (ID	by battery condition	on in display) do no	t go t	o the b	attery	<u>. </u>
					fy correct wire in lo see SmartCAN Data			1	2	3	
Lights	Vehicle Wire C	Colours	Alternativ	/A		ocation.		4	5	6	ı
3			Aiternativ	•		Jocation					
LH Flasher	Purple		Alternativ			ocation		Ľ.		_	-
	Purple Purple		Aiternativ			ocation	•	10	11	12	
LH Flasher	•		Alternativ			Cocation				12	
LH Flasher Fog Light	Purple		Alternativ			ocation				12	
LH Flasher Fog Light RH Flasher	Purple Purple		Alternativ			Juanon		10	11		
LH Flasher Fog Light RH Flasher RH Side Light	Purple Purple Purple		Alternativ			Juanon		10	11		

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		T								
7-Core Entry Point		Longer 7 (Core Cable		Bypass Recommer F2302, see SmartC		Other	r Rela	y Reco	omende
				None						
Automatic Trailer Fl	asher Monitor	Reversing	Sensor		Cut Out Switch, e	etc.	Mfr's	Towi	ng Plu	g
							19 La	ımp		
ind Constant Live					Find Ignition-Swi	tched Live				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Locatio	n		Route to Battery			Fusebox L	_ocation	<u> </u>		
		y. On cars	with power manaç	gement (ID	by battery conditio	n in display	y) do not	t go to	the b	attery.
Fitting times, etc. N		awitab it (C	as Practical Cuids							
Negative reverse: use					ada .					
Varning: Take lights	out carefully and e	evenly to avo	old damage to thin	and Surrour	ius					
Wire positions a	and connection p	oints etc ar	e given. Use prob	e to identif	y correct wire in lo see SmartCAN Data	cation.		1	2	3
These i	ioles relate illini	y bypass re	iay. For 1F2302 3	marican, s	see SmartCAN Data			4	5	6
Lights	Vehicle Wire C	olours	Alternative	!	L	ocation		7	8	9
LH Flasher	Green/white		Pin 2					-		
Fog Light	Green/yellow							10	11	12
RH Flasher	Brown							\vdash		\square
RH Side Light	White/blue							13	14	15
Brake Light	Green									
LH Side Light	Brown		Brown/white	9				16	17	18

Reverse

Quality, Service, Innovation

Mercedes A Class (W168) Saloon 1997 -

-		Longer 7	Core Cable		Bypass Recommer F2302, see SmartC		Otner	' Kela	y Reco	omena
				None						
ıtomatic Trailer Fl	asher Monitor	Reversing	Sensor		Cut Out Switch, e	etc.	Mfr's	Towi	ng Plu	g
nd Constant Live					Find Ignition-Swi	tched Live				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
			Doute to Dettem			F b I				
est Wiring Locatio	on		Route to Battery			Fusebox L	-ocation			
		ly. On cars	with power mana	gement (ID	by battery conditio	on in display	/) do not	go to	the b	attery.
Choose powe		ly. On cars	with power mana	gement (ID	by battery conditio	on in display	/) do not	go to	o the b	attery.
itting times, etc. N	lotes	points etc a	re given. Use prob	pe to identif	by battery condition	cation.	/) do not	go to	o the b	attery.
Wire positions	lotes	points etc a	re given. Use prob	oe to identif martCAN, s	y correct wire in lo	cation.	y) do not	1 4	2	3 6
itting times, etc. N	and connection p	points etc a	re given. Use prok lay. For TF2302 S	oe to identif martCAN, s	y correct wire in lo	ocation.	y) do not	1	2	3
Wire positions of These r	and connection protes relate fitting	points etc a	re given. Use prok lay. For TF2302 S	oe to identif martCAN, s	y correct wire in lo	ocation.	y) do not	1 4	2	3 6
Wire positions a These r Lights LH Flasher	and connection protes relate fitting Vehicle Wire C	points etc a	re given. Use prok lay. For TF2302 S	oe to identif martCAN, s	y correct wire in lo	ocation. ocation 19	y) do not	1 4 7	2 5 8	3 6 9
Wire positions a These r Lights LH Flasher Fog Light	and connection protes relate fitting Vehicle Wire C Black/blue Grey/green	points etc a	re given. Use prok lay. For TF2302 S	oe to identif martCAN, s	y correct wire in lo	ocation. ocation 19 19	y) do not	1 4 7	2 5 8	3 6 9
Wire positions a These r Lights LH Flasher Fog Light RH Flasher	and connection protes relate fitting Vehicle Wire C Black/blue Grey/green Black/green	points etc a	re given. Use prok lay. For TF2302 S	oe to identif martCAN, s	y correct wire in lo	ocation. ocation 19 19	y) do not	1 4 7 10	2 5 8	3 6 9
Wire positions a These r Lights LH Flasher Fog Light RH Flasher RH Side Light	and connection protes relate fitting Vehicle Wire Company Black/blue Grey/green Black/green Grey/red	points etc a	re given. Use prok lay. For TF2302 S	oe to identif martCAN, s	y correct wire in lo	ocation. ocation 19 19	y) do not	1 4 7 10	2 5 8	3 6 9

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Quality, Service, Innovation

Mercedes A Class Saloon 2005 -

7-Core Entry Point	:	Longer 7	Core Cable			s Recomme , see SmartC		Othe	r Rela	y Reco	omeno	led
				TF22	:18/7SMAF	RTLOGIC						
Automatic Trailer F	Flasher Monitor	Reversin	g Sensor		Cut (Out Switch, e	etc.	Mfr's	Towi	ng Plu	g	
			_			·					<u>-</u>	
Find Constant Live)				Find	Ignition-Swi	tched Live					
Colour: Battery	1					Colour:						-
Location: 12					1.	ocation:						
Add Fuse:						d Fuse:						
Add I use.					710	u i uoc.						
Best Wiring Locati	ion		Route to Bat	tery			Fusebox L	ocation				
21			Under seat: 1	2								
Choose pov	ver source careful	lv. On cars	s with power m	nanagement	(ID by bat	terv condition	n in display) do no	t ao t	o the b	atterv	
Fitting times, etc.								,				
r itting times, etc.	110103											
	and connection p								1	2	3	
Inese	notes relate fittin	g bypass i	relay. For 1F23	UZ SmartCA	N, See Sir	iartCAN Data	1	[4	5	6	
Lights	Vehicle Wire C	olours	Altern	ative		L	ocation		7	8	9	
LH Flasher	Black/pink							_		-	-	_
Fog Light	Grey/green								10	11	12	
RH Flasher	Black/blue											
RH Side Light	Grey/red								13	14	15	
Brake Light	Black/red		Black/	yellow								
LH Side Light	Grey/black								16	17	18	
Reverse	Grey/brown		Grey/y	rellow					19	20	21	

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Quality, Service, Innovation

Mercedes ATGO 7.5 tonne 2WD/4WD 2001 -

-Core Entry Point		Longer 7 Co	ore Cable		Bypass Recommen F2302, see SmartCA		Othe	r Rela	y Reco	meno	led
				None							
Automatic Trailer Fl	lasher Monitor	Reversing S	Sensor		Cut Out Switch, et	c.	Mfr's	Towi	ng Plu	g	
							Fusel	box (n	ear)		
Find Constant Live					Find Ignition-Swite	ched Live					
						ilea Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	on	F	Route to Batter	y		Fusebox Lo	cation	ı			
Choose power	er source careful	ly. On cars w	ith power man	agement (ID	by battery condition	ı in display)	do no	t go to	the b	attery	
Fitting times, etc. N	lotes										
Wire positions These	and connection p	g bypass rela	ay. For TF2302	SmartCAN, s	y correct wire in loc ee SmartCAN Data			1 4	2	3	
Wire positions These	and connection p	g bypass rela		SmartCAN, s	ee SmartCAN Data	eation. ocation		· -		3 6 9	
Wire positions These Lights LH Flasher	and connection p	g bypass rela	ay. For TF2302	SmartCAN, s	ee SmartCAN Data			4	5	3 6 9	
Wire positions These	and connection p	g bypass rela	ay. For TF2302	SmartCAN, s	ee SmartCAN Data			4	5	3 6 9	
Wire positions These Lights LH Flasher	and connection p	g bypass rela	ay. For TF2302	SmartCAN, s	ee SmartCAN Data			4	5	3 6 9	
Wire positions These I Lights LH Flasher Fog Light	and connection p	g bypass rela	ay. For TF2302	SmartCAN, s	ee SmartCAN Data			4	5	3 6 9 12	
Wire positions These in Lights LH Flasher Fog Light RH Flasher	and connection p	g bypass rela	ay. For TF2302	SmartCAN, s	ee SmartCAN Data			4 7 10	5 8		
Wire positions These I Lights LH Flasher Fog Light RH Flasher RH Side Light	and connection p	g bypass rela	ay. For TF2302	SmartCAN, s	ee SmartCAN Data			4 7 10	5 8		

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Quality, Service, Innovation

Mercedes B Class All 2005 -

7-Core Entry Point		Longer 7	Core Cable	If T	Bypass Recomme F2302, see Smart0		Other Rel	ay Rec	omend	ed
21 Grommet				TF2218/	7SMARTLOGIC					
Automatic Trailer Fla	asher Monitor	Reversing	g Sensor		Cut Out Switch,	etc.	Mfr's Tow	ring Plu	ıq	
			,		,			<u> </u>	<u> </u>	
Find Constant Live					Find Ignition-Sw	itched Live				
Colour:					Colour:					
Location:					Location:					
					Add Fuse:					
Add Fuse:					Add Fuse.					
Best Wiring Location	า		Route to Battery			Fusebox L	ocation			
			Footwell RH							
01		h. O			h., h., u.,		A .dd	4 - 41 1.		
Fitting times, etc. No		iy. On cars	with power manag	ement (ID	by battery condition	on in display) do not go	to the b	attery.	
			ıre given. Use prob				1	2	3	
These n	otes relate fittin	g bypass r	elay. For TF2302 Sr	nartCAN,	see SmartCAN Dat	a			H	
Lights	Vehicle Wire C	colours					4	5	•	
		olouis	Alternative		l	_ocation	7			
LH Flasher	Black/blue	olouis	Black/purple	;	ı	_ocation	7	8	9	
LH Flasher Fog Light	Black/blue Black/purple			•	l	_ocation	10	11	12	
		, coours	Black/purple)	I	_ocation	_ 🕂	+	12	•
Fog Light	Black/purple		Black/purple)	I	_ocation	_ 🕂	+	12	
Fog Light RH Flasher	Black/purple Black/blue		Black/purple	•		Location	10	11		•
Fog Light RH Flasher RH Side Light	Black/purple Black/blue Red/grey	NOTO UT S	Black/purple	3		Location	10	11		

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Quality, Service, Innovation

Mercedes C 200 (W203 Series) Coupe 2001 -

7-Core Entry Point Longer 7 Core Cable				Bypass Recommended Other Relay				elay Recomende		
-core Entry I onit		Longer 7	Core Cable	If	TF2302, see Smar		Other	IXCIA	ly IXeCt	Jiliella
19 Grommet				TF221	8/7SMARTLOGIC					
Automatic Trailer Fla	asher Monitor	Reversin	g Sensor		Cut Out Switch	n. etc.	Mfr's	Towi	ng Plu	a
			<u>g</u>			.,				<u> </u>
Find Constant Live					Find Ignition-S	witched Live				
Colour:					Colour:					
Location: Battery					Location:					
Add Fuse:					Add Fuse:					
Add Fuse.					Add i use.					
Best Wiring Location	n		Route to Batte	ry		Fusebox I	_ocation			
9			19			19				
Choose power	er source careful	ly. On car	s with power man	nagement (I	D by battery condi	tion in displa	y) do not	go to	the b	attery.
Fitting times, etc. N	otes		<u> </u>							
WARNING : Do NOT		the fusebo	x in the boot as thi	is is an exte	nsion of the dashbo	ard computer s	system.			
							-			
					tify correct wire in , see SmartCAN Da			1	2	3
			-		, 555 5		_ I	4	5	6
Lights	Vehicle Wire C	olours	Alternati	ive		Location	_	7	8	9
LH Flasher	Black/white						_ 7			$\vdash \vdash$
Fog Light	Green/white							10	11	12
RH Flasher	Black/green									\vdash
RH Side Light	Grey/red							13	14	15
Brake Light	Black/red									
LH Side Light	Grey/black							16	17	18
Reverse	Grey/blue	-						49	20	24

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Quality, Service, Innovation

Mercedes C Class (270) Cdi Estate 2005 -

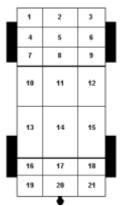
7-Core Entry Poin	t	Longer 7 C	ore Cable		Bypass Recomme F2302, see Smart0		Othe	r Rela	y Reco	meno	led
19 Grommet				TF2218/7	7SMARTLOGIC						
Automatic Trailer	Flasher Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	a	
			<u></u>						g	<u> </u>	
Find Constant Live	<u> </u>				Find Ignition-Sw	itched Live					
Colour:					Colour:						
Location: Fuseb					Location:						
	ΟX				Add Fuse:						
Add Fuse:					Add Fuse.						
Best Wiring Locat	ion		Route to Battery			Fusebox Lo	cation	1			
19 Lamp	-		<u> </u>			Boot LHS 16	6/19				
Choose po	wer source careful	lv. On cars v	with power manag	ement (ID	by battery condition	on in display)	do no	t ao ta	the b	atterv	
Fitting times, etc.											
1 itting times, etc.	Notes										
	s and connection p							1	2	3	
inese	notes relate fittin	g bypass rei			as Consut CAN Date	_					_
			ay. FOI 1F2302 31	nartCAN, s	ee SmartCAN Dat	a	_	4	5	6	
Lights	Vehicle Wire C	colours	Alternative	nartCAN, s		ocation		4	5	6	
Lights LH Flasher	Vehicle Wire C	Colours		nartCAN, s						9	
		Colours		nartCAN, s						9	
LH Flasher	Black/white	Colours		martCAN, s				7	8	9	
LH Flasher Fog Light	Black/white Green/white	Colours		martCAN, s		ocation		7	8	6 9 12	
LH Flasher Fog Light RH Flasher	Black/white Green/white Black/white	Colours		nartCAN, s		ocation		10	11		
LH Flasher Fog Light RH Flasher RH Side Light	Black/white Green/white Black/white Grey/red	Colours		nartCAN, s		ocation		10	11		

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Quality, Service, Innovation

Ca	r Data Sheet				Me	rcedes (C Cla	ss I	Estat	te -2	2000 -
7-	Core Entry Point	Longer 7 C	Core Cable		Bypass Recomme F2302, see SmartC		Othe	r Rela	y Reco	omen	ded
				TF2218/7	'SMARTLOGIC		TF22	18/7S	MARTI	LOGIC	2
Αι	tomatic Trailer Flasher Moni	tor Reversing	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ing Plu	ıg	
										<u>-</u>	
Fi	nd Constant Live	1			Find Ignition-Swi	tched Live					
	Colour:				Colour:						
	Location: 19				Location:						
F	add Fuse:				Add Fuse:						
Вє	est Wiring Location		Route to Batte	ery		Fusebox L	ocation	1			
19			19			19					
	Choose power source ca	arefully. On cars v	with power man	nagement (ID	by battery condition	on in display) do no	t go t	o the b	attery	<i>/</i> .
F	tting times, etc. Notes										
	odulated supply: fog & brake lig e a TF2217LOGIC or a TF2218		de lights and red	ceive a pulsed	signal when sidelig	hts are on. B	rake rel	ay ch	atters u	ınless	you
	Wire positions and connec These notes relate							1	2	3]_
	Lights Vehicle V	Vire Colours	Alternat	ive	L	ocation		7	5	6	ı
	LH Flasher Black/whi	te				19	_	Ľ.		,	₽

Lights	Vehicle Wire Colours	Alternative	Location
LH Flasher	Black/white		19
Fog Light	Green/white		19
RH Flasher	Black/green		19
RH Side Light	Grey/red		19
Brake Light	Red/black		19
LH Side Light	Grey/black		19
Reverse	Grey/blue		19



Quality, Service, Innovation

Mercedes C Class Estate 2008 -

7-Core Entry Point		Longer 7 (Core Cable	If T	Bypass Recomme F2302, see Smart		Othe	r Rela	y Reco	omeno	ded
21 Grommet				TF2218/7SMARTLOGIC			TF2302 SmartCAN				
Automatic Trailer Fla	sher Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	g	
										<u> </u>	
Find Constant Live		ll .			Find Ignition-Sw	itched Live					
Colour:					Colour:						
Location: Fusebox					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location			Route to Batter	v	1	Fusebox L	ocation)			
21						21					
Choose power		y. On cars	with power mana	agement (ID	by battery conditi	on in display) do no	t go to	o the b	attery	-
					fy correct wire in I			1	2	3	1
These no	otes relate fitting	g bypass re	lay. For TF2302	SmartCAN,	see SmartCAN Dat	a	[4	5	6	
Lights	Vehicle Wire C	olours	Alternativ	⁄e		Location		7	8	9	
LH Flasher	Black/white					21	_		_	-	┌ .
Fog Light	Green/white					21		10	11	12	
RH Flasher	Black/green					21		\vdash			
RH Side Light	Black/brown					21		13	14	15	
Brake Light	Black/yellow					21					
LH Side Light	Black/blue					21		16	17	40	ł
								10	11	10	

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Mercedes C Class Saloon 2006 -

7-Core Entry Point		Longer 7	Core Cab	le		Bypass Recomme F2302, see Smart0		Othe	r Rela	y Reco	omeno	bel
					TF2218/	7SMARTLOGIC						
Automatic Trailer Fla	asher Monitor	Reversin	g Sensor			Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	g	
											<u>-</u>	
Find Constant Live						Find Ignition-Sw	itched Live					
Colour:						Colour:						
Location:						Location:						
Add Fuse:						Add Fuse:						
Add I use.						Add 1 d3C.						
Best Wiring Location	n		Route to	Battery			Fusebox L	ocation	1			
19			Footwell	R/H (12)			Under bonn	net				
Choose nowe	er source careful	ly On care	s with now	er manag	ement (ID	by battery condition	n in display	n do no	t ao t	n the h	atterv	
		iy. On our	o wiai pow	ci manag	ciricini (ib	by battery contains	on in alopiay	, 40 110	. go .		atto. y	
Fitting times, etc. N	otes											
						y correct wire in lo			1	2	3	1
These n	otes relate fittin	g bypass ı	relay. For T	Γ F2302 Sn	nartCAN, s	ee SmartCAN Data	a				,	
Lights	Vehicle Wire 0	Colours	A	Iternative		L	ocation		7	5	6	
LH Flasher	Black/white								<u> </u>	8	9	•
Fog Light	Green/white								10	11	12	
RH Flasher	Black/green											
			J.								1	
RH Side Light	Grey/red								43	14	45	
RH Side Light Brake Light	Grey/red Black/yellow							_	13	14	15	
	-								13	14	15	

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Sar Data Sne	eet			werce	des C Class(C208) C	oupe	198)/ - I\	viay	2002
7-Core Entry Poir	nt	Longer 7 C	ore Cable		Bypass Recommer F2302, see SmartC		Other	Rela	y Reco	mend	led
19 Grommet under	tools			TF2218/	7SMARTLOGIC						
Automatic Trailer	Flasher Monitor	Reversing	Sensor		Cut Out Switch, e	etc.	Mfr's	Towi	ng Plu	g	
Find Constant Liv	/e				Find Ignition-Swi	tched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Loca	tion		Route to Battery			Fusebox L	ocation				
Choose po	wer source careful	ly. On cars v	vith power mana	gement (ID	by battery condition	n in display	/) do not	go to	the b	attery	
Fitting times, etc	. Notes										
Modulated supply:	pulse on the brake	ight circuit red	quires a TF2217L	OGIC or TF:	2218 Smart7 Bypass	\$					
Fuse legend: Fuse the fusebox in nea	s not colour coded: rside boot (5)	data sheet is	folded up in thin p	olate in slot i	nside driver's door.	Power outpu	ut fuses a	are 17	,18,19	and 20) in
Wiring: CLK soft to	p: Find loom on RH	S into boot do	or								
	s and connection pe notes relate fittin							1	2	3	
Lights	Vehicle Wire (Colours	Alternative)	L	ocation		7	5	-	
LH Flasher	Black/green									\vdash	_
Fog Light	Green/white							10	11	12	
RH Flasher	Black/white									$\vdash\vdash\vdash$	
RH Side Light	Grey/red										

Brake Light Red/black LH Side Light Grey/black Grey/blue Reverse

	1	2	3	
ı	4	5	6	
	7	8	9	
	10	11	12	
	13	14	15	
	16	17	18	ı
	19	20	21	Γ.
		•		

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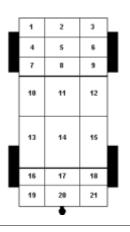
Quality, Service, Innovation

Mercedes C Class(W203) Saloon Oct 2000 -

di Data Sileet		IAI	ercedes C C	1033(112	.03) Saloon Oct 2000 -
7-Core Entry Point	Longer 7 Core Cable		Bypass Recomme F2302, see SmartC		Other Relay Recomended
19 Grommet under tools		TF2218/7	'SMARTLOGIC		
Automatic Trailer Flasher Monitor	Reversing Sensor		Cut Out Switch,	etc.	Mfr's Towing Plug
Find Constant Live			Find Ignition-Swi	tched Live	
Colour:			Colour:		
Location:			Location:		
Add Fuse:			Add Fuse:		
Best Wiring Location	Route to Batte	ry		Fusebox L	ocation
	Battery: (gaske	t behind)			
Choose power source carefu	ılly. On cars with power mar	nagement (ID	by battery condition	n in display	y) do not go to the battery.
Fitting times, etc. Notes					
Modulated supply: fog & brake lights a use a TF2217LOGIC or a TF2218	are used as side lights and red	ceive a pulsed	signal when sidelig	hts are on. B	rake relay chatters unless you
Fog cut-out: Don't fit. If you do, the ca	r will operate a brake light to o	compensate.			
Fuse legend: Fuses not colour coded: the fusebox in nearside boot (5)	data sheet is folded up in thir	n plate in slot ir	nside driver's door.	Power outpu	ut fuses are 17,18,19 and 20 in

Wire positions and connection points etc are given. Use probe to identify correct wire in location. These notes relate fitting bypass relay. For TF2302 SmartCAN, see SmartCAN Data

Lights	Vehicle Wire Colours	Alternative	Location
LH Flasher	Black/green	Black/white	
Fog Light	Green/white	Yellow/grey CLK softtop	
RH Flasher	Black/white	Black/green	
RH Side Light	Grey/red		
Brake Light	Red/black		
LH Side Light	Grey/black		
Reverse	Grey/blue		

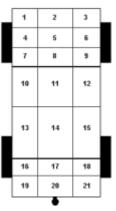


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Quality, Service, Innovation

ar Data Shee	t				Merce	des E CI	ass I	Esta	ite F	eb 2	006 -
7-Core Entry Point		Longer 7 C	Core Cable		Bypass Recommer F2302, see SmartC		Othe	r Rela	y Reco	omeno	bet
19 Grommet				TF2302 S	SmartCAN		TF22	:18/7S	MARTI	LOGIC	;
Automatic Trailer Fl	asher Monitor	Reversing	Sensor		Cut Out Switch, e	etc.	Mfr's	Towi	ing Plu	ıg	
Find Constant Live					Find Ignition-Swi	tched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Locatio	n		Route to Battery			Fusebox L	ocation	1			
19 Below Lamp in ma	ain loom		Boot RHS 18/21								
Choose power	er source careful	y. On cars v	with power manage	ement (ID	by battery condition	n in display) do no	t go t	o the b	attery	·.
Fitting times, etc. N	lotes										
Data below refers to I For SmartCAN fitting											
Wiring: Fog and reve	rse in tailgate. Re	move whole	panel to access. No	t a quick jo	b. Use TF2302 Sma	artCAN by pr	eferenc	е			
Wiring. Take the brak	ce light signal from	the high-lev	el brakelight and the	e side light	signal from the nun	nber plate lig	ht (TF22	218/7L	OGIC	or TF2	2218)
These r	notes relate fitting	g bypass re	e given. Use probe lay. For TF2302 Sm		ee SmartCAN Data	1	_ [1 4	2	3	
Lights	Vehicle Wire C	olours	Alternative		L	ocation		7	8	9	
LH Flasher	Black/white						_ _				Γ
Fog Light	Blue/green		Grey/white		-	Tailgate	1	10	11	12	

Lights	Vehicle Wire Colours	Alternative	Location
LH Flasher	Black/white		
Fog Light	Blue/green	Grey/white	Tailgate
RH Flasher	Black/green		
RH Side Light	Black/red	Do not connect	
Brake Light	Black/red	Green/yellow 21 pillar?	Wire LH only
LH Side Light	Black/red	Do not connect	
Reverse		See Note above	Tailgate



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Quality, Service, Innovation

Mercedes E Class W212 Saloon etc 2010 -

7-Core Entry Point		onger 7 Co	re Cable	Bypass Recommended If TF2302, see SmartCAN data			Other Relay Recomended					
21				TF2302 SmartCAN			TF2218/7SMARTLOGIC					
Automatic Trailer F	Flasher Monitor I	Reversing S	ensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	g		
Find Constant Live					Find Ignition-Sw	itched Live	T.					
Colour: Red					Colour:							
Location: Fusebo	Σ				Location:							
Add Fuse:					Add Fuse:							
Best Wiring Location	on	R	oute to Battery			Fusebox Lo	cation	ı				
21						21						
Choose pow Fitting times, etc.	ver source carefully Notes	On cars wi	th power manag	ement (ID	by battery condition	on in display)	do no	t go to	the b	attery	' <u>-</u>	
These	and connection po notes relate fitting	bypass rela	y. For TF2302 Sn		see SmartCAN Dat	a		1 4	2	3		
Lights	Vehicle Wire Co	lours	Alternative		ı	Location	_	7	8	9	۱	
LH Flasher	Black/white					21		\vdash			Г	
Fog Light	Blue/white				21	hinge gaiter		10	11	12		
RH Flasher	Black/green					21 loom		\vdash			-	
	1		1					ı 1		l	1	
RH Side Light			Do not conn	ect				13	14	15		
RH Side Light Brake Light	Red/grey		Do not conn Grey/red	ect		21 loom		13	14	15		
	Red/grey					21 loom		13	17	15		

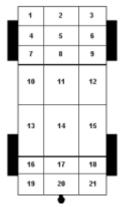
Ryder Towing Equipment Ltd

Quality, Service, Innovation

Mercedes E Class(E240) Saloon 2002 -

								•	•			
7-0	Core Entry Point		Longer 7 (Core Cable		Bypass Recon F2302, see Sm		Othe	r Rela	y Reco	omeno	ded
19	Grommet				TF2302 S	SmartCAN		TF22	18/7S	MARTI	LOGIC	;
Au	tomatic Trailer Flas	her Monitor	Reversing	Sensor		Cut Out Swit	ch, etc.	Mfr's	Towi	ing Plu	g	
							·					
Fir	nd Constant Live					Find Ignition	-Switched Live					
	Colour:					Colour:						
ı	_ocation:					Location:						
Α	dd Fuse:					Add Fuse:						
Ве	st Wiring Location			Route to Battery			Fusebox	Location	1			
				Boot RHS 18/21								
	Choose power	source carefull	y. On cars	with power manage	ement (ID	by battery con	dition in displa	y) do no	t go t	o the b	attery	·.
Fi	tting times, etc. Not	es										
	ta below refers to by r SmartCAN fitting, s											
Мс	dulated supply: RH t	ail is also fog. V	Vire relay sid	de light circuit to Lh	side only (g	rey/black). Wir	e the fog light cir	cuit to th	e RH	side (gı	rey/re	d)
Fa	ult condition: (a) Low set	battery shut do	wn: recharg	e battery. (b) Short o	delays in po	wer return(c) "	Consumer Malfu	inction".	Switch	n ign. of	ff and	on to
Fa	ult condition (appare	nt) In-car compu	iter may be	set to bring lights on	automatic	ally when dark.						
				re given. Use probe lay. For TF2302 Sn					1	2	3]_
	Lights	Vehicle Wire C	olours	Alternative			Location		7	5	6	ı
	LH Flasher	Green/blue		Black/white					Ļ'	8	,	-
	Fog Light	Grey/red		Grey/green					10	11	12	

Lights	Vehicle Wire Colours	Alternative	Location
LH Flasher	Green/blue	Black/white	
Fog Light	Grey/red	Grey/green	
RH Flasher	Blue/black		
RH Side Light	Grey/red	Do not connect	
Brake Light	Black/red		
LH Side Light	Grey/black		
Reverse	Grey/yellow		19



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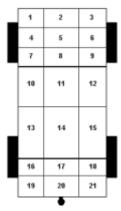
Quality, Service, Innovation

Mercedes E Class(S211) Estate 2003 -

7-Core Entry Point	Longer 7 (Core Cable		Bypass Recomme F2302, see SmartC		Other Relay Recomended		
19 Grommet			TF2302 S	SmartCAN		TF2218/7SMARTLOGIC		
Automatic Trailer Flasher Monitor	Reversing	Sensor		Cut Out Switch, e	etc.	Mfr's Towing Plug		
Find Constant Live				Find Ignition-Swi	tched Live			
Colour:				Colour:				
Location:				Location:				
Add Fuse:				Add Fuse:				
Best Wiring Location		Route to Batte	ry		Fusebox L	ocation		
19 Below Lamp in main loom		Boot RHS 18/2	1					
Choose power source carefu	illy. On cars	with power mar	nagement (ID	by battery condition	n in display	/) do not go to the battery.		
Fitting times, etc. Notes								
Data below refers to bypass fitting onl For SmartCAN fitting, see SmartCAN								
Fog/sidelights: Connecting in tailgate black/green] UPDATE (4/04)Sidelight	difficult. Wire wires (Black	to switches. Ac	cess under fus d in main loom	e box cover/panel b by rear N/S lamp.(y steering w Two reports)	heel. [Side grey/blue; fog		
Fault condition: To clear malfunctions	on dash,rem	ove ignition key	for 30 seconds	then replace and s	witch on igni	tion.		
Reverse :Wire in o/s tailgate by gas st	rut. (This can	take some time	, but is the only	reported location)	18			

Wire positions and connection points etc are given. Use probe to identify correct wire in location. These notes relate fitting bypass relay. For TF2302 SmartCAN, see SmartCAN Data

Lights	Vehicle Wire Colours	Alternative	Location
LH Flasher	Black/white		
Fog Light	Blue/green	Grey/white	9/18
RH Flasher	Black/green		
RH Side Light	Black/red		19 lamp
Brake Light	Green/yellow		19 Main Ioom
LH Side Light	Black/red		19 lamp
Reverse		See Note above	



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Quality, Service, Innovation

Mercedes E Class(W210) Estate 1996 -

7-Core Entry Point		Longer 7	Core Cable		Bypass Recommer F2302, see SmartC		Othe	r Rela	y Reco	meno	led
21 Grommet rear floor				TF2218/7	'SMARTLOGIC						
Automatic Trailer Flas	sher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's	Towi	ng Plu	a	
					, , , ,					<u> </u>	
Find Constant Live					Find Ignition-Swi	tched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location			Route to Battery			Fusebox Lo	cation	1			
<u> </u>			16								
Choose power	source carefull	y. On cars	with power manage	ement (ID	by battery condition	n in display)	do no	t go to	o the b	attery	
Fitting times, etc. No	tes										
			re given. Use probe elay. For TF2302 Sm					1 4	2	3	
Lights	Vehicle Wire C	olours	Alternative		L	ocation		7	8	9	
LH Flasher	Black/white						_	\vdash		_	_
Fog Light	Green/grey							10	11	12	
RH Flasher	Black/green							\vdash			
RH Flasher RH Side Light	Black/green Grey/red							13	14	15	
								13	14	15	
RH Side Light	Grey/red							13	14	15	

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Quality, Service, Innovation

Mercedes M Class(W163) 4WD 1998 -

7-Core Entry Point		Longer 7 C	Core Cable		Bypass Recommer F2302, see SmartC		Other Rel	lay Reco	omended
-				None					
Automatic Trailer Fl	asher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's Tow	vina Plu	ıa
					,		19, exit ve		. <u>9</u>
Find Constant Live					Find Ignition-Swit	tched Live			
Calarin					Colour:				
Colour:									
Location:					Location: Add Fuse:				
Add Fuse:					Add Fuse:				
Best Wiring Locatio	on .		Route to Battery			Fusebox Lo	ocation		
Choose power Fitting times, etc. N		ly. On cars v	with power manag	jement (ID	by battery conditio	n in display)	do not go	to the b	attery.
	ioles								
These	and connection protes relate fittin	g bypass re	lay. For TF2302 Sr	e to identif martCAN, s	y correct wire in lo ee SmartCAN Data	l	1 4	2 5	3 6
Wire positions These I	and connection p	g bypass re	e given. Use prob lay. For TF2302 Sr Alternative	e to identif martCAN, s	ee SmartCAN Data	cation.			
These I Lights LH Flasher	and connection protes relate fittin	g bypass re	lay. For TF2302 Sr	e to identif martCAN, s	ee SmartCAN Data	l	7	5	6
These I	and connection protes relate fittin	g bypass re	lay. For TF2302 Sr	e to identif nartCAN, s	ee SmartCAN Data	l	4	5	6
These I Lights LH Flasher	and connection protes relate fittin	g bypass re	lay. For TF2302 Sr	e to identif martCAN, s	ee SmartCAN Data	l	7	5	6
Lights LH Flasher Fog Light	and connection protes relate fittin	g bypass re	lay. For TF2302 Sr	e to identif martCAN, s	ee SmartCAN Data	l	7	5	6
Lights LH Flasher Fog Light RH Flasher	and connection protes relate fittin	g bypass re	lay. For TF2302 Sr	e to identif nartCAN, s	ee SmartCAN Data	l	10	5 8	6 9
Lights LH Flasher Fog Light RH Flasher RH Side Light	and connection protes relate fittin	g bypass re	lay. For TF2302 Sr	e to identif martCAN, s	ee SmartCAN Data	l	10	5 8	6 9

Ryder Towing Equipment Ltd

Quality, Service, Innovation

Mercedes M Class(W163) 4WD 2000 -

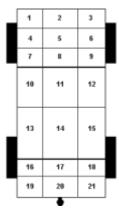
		Longer 7	Core Cable	If T	Bypass Recommen F2302, see SmartCA		Other	Rela	y Reco	mende
				None						
Automatic Trailer Fla	asher Monitor	Reversin	g Sensor		Cut Out Switch, et	С.	Mfr's	Towii	ng Plu	g
		,	<u> </u>		,		19, exi			<u> </u>
Find Constant Live					Find Ignition-Swite	ched Live				
Colour:					Colour:					
Location: Trailer pl	lua				Location:					
Add Fuse: Slot 18 (2	_				Add Fuse:					
Best Wiring Location	 n		Route to Batter	у		Fusebox L	ocation			
		ly. On cars	with power man	agement (ID	by battery condition	in display) do not	go to	the b	attery.
Fitting times, etc. No	otes									
The Metc OE wiring k	kit has a microswit		ocket which connec	cts an earth						
The Metc OE wiring k to the white wire wher	kit has a microswit n a trailer is plugg	ed in.			o show. Must be part	of the Merc	OE syste	em.Se	ee note	above
The Metc OE wiring k to the white wire wher	kit has a microswit n a trailer is plugg	ed in.			o show. Must be part	of the Merc	OE syste	em.Se	ee note	above
The Metc OE wiring k o the white wire where ault condition: There	kit has a microswit n a trailer is plugg	ed in.			o show. Must be part	of the Merc	OE syste	em.Se	ee note	e above
The Metc OE wiring k o the white wire wher Fault condition: There	tit has a microswit n a trailer is plugg e is a white wire w	ed in. hich, if eart	hed, causes an inc	dicator fault to			OE syste	em.Se	ee note	above
The Metc OE wiring ke to the white wire where ault condition: There	tit has a microswit n a trailer is plugg e is a white wire w and connection p	ed in. hich, if eart	hed, causes an ind	dicator fault to	y correct wire in loc		OE syste	em.Se	ee note	above
The Metc OE wiring ke to the white wire where ault condition: There	tit has a microswit in a trailer is plugg e is a white wire w	ed in. hich, if eart coints etc a g bypass r	hed, causes an inc are given. Use pro elay. For TF2302	dicator fault to	ry correct wire in loc see SmartCAN Data	ation.	OE syste			
The Metc OE wiring keep the white wire where ault condition: There wire positions a These numbers to the wire positions and the conditions and the conditions are the conditions and the conditions are the	and connection protes relate fitting Vehicle Wire C	ed in. hich, if eart coints etc a g bypass r	are given. Use pro elay. For TF2302	bbe to identi SmartCAN, s	ry correct wire in loc see SmartCAN Data		OE syste	1	2	
The Metc OE wiring keep the white wire where ault condition: There wire positions a These notes that the condition is a condition in the condition in the condition is a condition in the condition in the condition is a condition in the condition	and connection photes relate fitting Vehicle Wire C Green	ed in. hich, if eart coints etc a g bypass r	are given. Use procelay. For TF2302 Alternativ Z53-4 160	bbe to identi SmartCAN, s	ry correct wire in loc see SmartCAN Data	ation.	OE syste	1 4	2	
The Metc OE wiring keep the white where wh	and connection protes relate fitting Vehicle Wire C Green Blue	ed in. hich, if eart coints etc a g bypass r	are given. Use pro elay. For TF2302	bbe to identi SmartCAN, s	ry correct wire in loc see SmartCAN Data	ation.	OE syste	1 4 7	2 5 8	3 6 9
The Metc OE wiring k to the white wire where Fault condition: There Wire positions a These n Lights LH Flasher Fog Light RH Flasher	and connection protes relate fitting Vehicle Wire C Green Blue Pink	ed in. hich, if eart coints etc a g bypass r	are given. Use proelay. For TF2302 Alternative Z53-4 160 1615	bbe to identi SmartCAN, s	ry correct wire in loc see SmartCAN Data	ation.	OE syste	1 4 7 10	2 5 8	3 6 9
The Metc OE wiring k to the white wire where ault condition: There Wire positions a These n Lights LH Flasher Fog Light RH Flasher RH Side Light	and connection protes relate fitting Vehicle Wire C Green Blue Pink Blue	ed in. hich, if eart coints etc a g bypass r	are given. Use proelay. For TF2302 Alternativ Z53-4 160 1615	bbe to identi SmartCAN, s	ry correct wire in loc see SmartCAN Data	ation.	OE syste	1 4 7	2 5 8	3 6 9
The Metc OE wiring k to the white wire where ault condition: There Wire positions a These n Lights LH Flasher Fog Light RH Flasher	and connection protes relate fitting Vehicle Wire C Green Blue Pink	ed in. hich, if eart coints etc a g bypass r	are given. Use proelay. For TF2302 Alternative Z53-4 160 1615	obe to identi SmartCAN, s	ry correct wire in loc see SmartCAN Data	ation.	OE syste	1 4 7 10	2 5 8	3 6 9

Ryder Towing Equipment Ltd

Quality, Service, Innovation

-Core Entry Point	Longer 7 Core Cable		Bypass Recommer F2302, see SmartC		Other Relay Recomended
9 Grommet		TF2218/7	7SMARTLOGIC		
Automatic Trailer Flasher Monitor	Reversing Sensor		Cut Out Switch, e	etc.	Mfr's Towing Plug
	Fit detachable towball to average sensors.	void reversing			
ind Constant Live			Find Ignition-Swi	tched Live	
Colour:			Colour:		
Location: 21 Fusebox			Location:		
Add Fuse:			Add Fuse:		
Best Wiring Location	Route to Batte	erv		Fusebox L	ocation
1	Boot			Boot RHS 1	18/21
Choose power source carefu	lly. On cars with power ma	nagement (ID	by battery condition	n in display) do not go to the battery.
Fitting times, etc. Notes					
Viring: Fog & side lights share the sar Relay will switch both side and fog out		og signal wire f	from the TF2217LO	GIC or TF22	18 Smart7 bypass to this wire.

Lights	Vehicle Wire Colours	Alternative	Location
LH Flasher	Black		19 lamp
Fog Light	Grey/blue		21
RH Flasher	Green/black		21
RH Side Light	-	Do not connect	
Brake Light	Black/purple		21
LH Side Light	-	Do not connect	
Reverse	White/black		21



Ryder Towing Equipment Ltd

Quality, Service, Innovation

Mercedes ML320 Sport 2005 -

7-Core Entry Point		Longer 7	Core Cable		Bypass Recommer F2302, see SmartC		Other Rela	y Reco	mended
19 Grommet				TF2218/	7SMARTLOGIC				
Automatic Trailer Fl	asher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's Tow	ng Plu	g
			<u>'</u>						<u> </u>
Find Constant Live					Find Ignition-Swit	ched Live			
Colour:					Colour:				
Location: 21 Fuse	hox				Location:				
Add Fuse:	box				Add Fuse:				
Add Fubb.					7.00.				
Best Wiring Locatio	n		Route to Battery			Fusebox Lo	ocation		
Fitting times, etc. N		y. On cars	with power manage	ement (ID	by battery conditio	n in display) do not go t	o the b	attery.
Wire positions These I	and connection p	oints etc a	re given. Use probe	e to identif	v correct wire in le				
		bypass re	elay. For TF2302 Sn	nartCAN, s	ee SmartCAN Data	cation.	1	5	3 6
Lights	Vehicle Wire C		Alternative	nartCAN, s	ee SmartCAN Data	cation. ocation	4	5	6 9
Lights LH Flasher	Vehicle Wire C		elay. For TF2302 Sn	nartCAN, s	ee SmartCAN Data		4	5	6 9
			elay. For TF2302 Sn	nartCAN, s	ee SmartCAN Data		4	5	3 6 9
LH Flasher	Black/white		elay. For TF2302 Sn	nartCAN, s	ee SmartCAN Data		4	5	6 9
LH Flasher Fog Light	Black/white Purple		elay. For TF2302 Sn	nartCAN, s	ee SmartCAN Data		4	5	6 9
LH Flasher Fog Light RH Flasher	Black/white Purple Black/green		elay. For TF2302 Sn	nartCAN, s	ee SmartCAN Data		10	5 8 11	6 9
LH Flasher Fog Light RH Flasher RH Side Light	Black/white Purple Black/green Grey/black		elay. For TF2302 Sn	nartCAN, s	ee SmartCAN Data		10	5 8 11	6 9

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Mercedes Pre 98 Older models -

	ut Out Switch, etc. ind Ignition-Switched Live Colour: Location: Add Fuse:	Mfr's Towi	ng Plu	
Find Constant Live Colour: Location: Add Fuse: Best Wiring Location Choose power source carefully. On cars with power management (ID by Fitting times, etc. Notes Check before starting to see if the car you are fitting has bulb-failure monitoring. Wire positions and connection points etc are given. Use probe to identify These notes relate fitting bypass relay. For TF2302 SmartCAN, set Lights Vehicle Wire Colours Alternative LH Flasher Fog Light	ind Ignition-Switched Live Colour: Location:	Mfr's Towi	ng Plu	
Colour: Location: Add Fuse: Best Wiring Location Route to Battery Choose power source carefully. On cars with power management (ID by Fitting times, etc. Notes Check before starting to see if the car you are fitting has bulb-failure monitoring. Wire positions and connection points etc are given. Use probe to identify These notes relate fitting bypass relay. For TF2302 SmartCAN, see Lights Vehicle Wire Colours Alternative LH Flasher Fog Light	Colour: Location:			g
Colour: Location: Add Fuse: Best Wiring Location Route to Battery Choose power source carefully. On cars with power management (ID by Fitting times, etc. Notes Check before starting to see if the car you are fitting has bulb-failure monitoring. Wire positions and connection points etc are given. Use probe to identify These notes relate fitting bypass relay. For TF2302 SmartCAN, see Lights Vehicle Wire Colours Alternative LH Flasher Fog Light	Colour: Location:			
Colour: Location: Add Fuse: Best Wiring Location Route to Battery Choose power source carefully. On cars with power management (ID by Fitting times, etc. Notes Check before starting to see if the car you are fitting has bulb-failure monitoring. Wire positions and connection points etc are given. Use probe to identify These notes relate fitting bypass relay. For TF2302 SmartCAN, see Lights Vehicle Wire Colours Alternative H Flasher Fog Light	Colour: Location:			
Location: Add Fuse: Best Wiring Location Choose power source carefully. On cars with power management (ID by Fitting times, etc. Notes Check before starting to see if the car you are fitting has bulb-failure monitoring. Wire positions and connection points etc are given. Use probe to identify These notes relate fitting bypass relay. For TF2302 SmartCAN, see Lights Vehicle Wire Colours Alternative H Flasher Fog Light	Location:			
Add Fuse: Route to Battery	Add Eugo:			
Choose power source carefully. On cars with power management (ID by Fitting times, etc. Notes Check before starting to see if the car you are fitting has bulb-failure monitoring. Wire positions and connection points etc are given. Use probe to identify These notes relate fitting bypass relay. For TF2302 SmartCAN, see Lights Vehicle Wire Colours Alternative LH Flasher Fog Light	Auu ruse.			
Choose power source carefully. On cars with power management (ID by Fitting times, etc. Notes Check before starting to see if the car you are fitting has bulb-failure monitoring. Wire positions and connection points etc are given. Use probe to identify These notes relate fitting bypass relay. For TF2302 SmartCAN, see Lights Vehicle Wire Colours Alternative LH Flasher Fog Light				
Fitting times, etc. Notes Check before starting to see if the car you are fitting has bulb-failure monitoring. Wire positions and connection points etc are given. Use probe to identify These notes relate fitting bypass relay. For TF2302 SmartCAN, see Lights Vehicle Wire Colours Alternative LH Flasher Fog Light	Fusebox Loc	cation		
Lights Vehicle Wire Colours Alternative LH Flasher Fog Light		1	2	3
LH Flasher Fog Light		4	5	6
Fog Light	Location	7	8	9
		10	11	12
KH Flasher		10	11	12
		\dashv \square		
RH Side Light Brake Light		13	14	15
LH Side Light		+		
Reverse		16	17	18

Ryder Towing Equipment Ltd

Quality, Service, Innovation

Reverse

Green/white

7-Core Entry Point		Longer 7 (Core Cable		Bypass Recommer F2302, see SmartC		Other	Rela	y Reco	omende
					ers use 7-way .OGIC/2218					
Automatic Trailer Fl	asher Monitor	Reversing	Sensor	Ш	Cut Out Switch, e	tc.	Mfr's	Towi	ng Plu	g
ind Constant Live					Find Ignition-Swit	tched Live	1			
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Location	n		Route to Battery	,		Fusebox L	.ocation			
Choose power Fitting times, etc. N		ly. On cars	with power mana	gement (ID	by battery conditio	n in display	/) do not	go to	the b	attery.
Jpdate :2003- same	Oles									
ault condition: To re	set when low batt	ery has give	n fault codes, start	t car, turn wh	eel both ways full lo	ck, switch of	ff and on			
					y correct wire in lo ee SmartCAN Data			1	2	3
Lights	Vehicle Wire C	colours	Alternative	<u> </u>	Lo	ocation	▔▐	4	5	6
LH Flasher	Black/white							7	8	9
Fog Light	Grey/green							10	11	12
RH Flasher	Black/green									
RH Side Light	Green/red							13	14	15
Brake Light	Black/red									
LH Side Light	Green/pink							16	17	18

Ryder Towing Equipment Ltd

Quality, Service, Innovation

Mercedes Sprinter Chassis Cab 1995 -

7-Core Entry Point		Longer 7 C	Core Cable	If 7	Bypass Recommer F2302, see SmartC		Othe	r Rela	y Reco	omeno	led
				TF2100	M special		Not T	F210	OM fron	n 2001	
Automatic Trailer Flas	sher Monitor	Reversing	Sensor		Cut Out Switch, e	etc.	Mfr's	Towi	ng Plu	g	
Find Constant Live					Find Ignition-Swi	tched Live					
Colour:					Colour:						
Location:					Location:						
					Add Fuse:						
Add Fuse:					Add Fuse.						
Best Wiring Location			Route to Battery			Fusebox L	.ocatior	1			
Choose power	source careful	ly. On cars v	with power mana	gement (ID	by battery condition	on in display	/) do no	t go to	o the b	attery	-
Fitting times, etc. No				·							
Wire positions an	nd connection pates relate fittin	points etc ar g bypass rel	e given. Use prob lay. For TF2302 S	oe to identi martCAN,	fy correct wire in lo see SmartCAN Data	cation.		1 4	2	3	
Lights	Vehicle Wire C	colours	Alternative	•	L	ocation		7	8	9	
LH Flasher							_				_
Fog Light								10	11	12	
RH Flasher								\vdash			
RH Side Light								13	14	15	
Brake Light											
					<u> </u>						
LH Side Light								16	17	18	

Ryder Towing Equipment Ltd

Quality, Service, Innovation

Mercedes Sprinter Van 1995 -2000

7-Core Entry Point		Longer 7	Core Cable		Bypass Recommer F2302, see SmartC		Other F	Rela	y Reco	omend	ed
				TF2100N	1 special		TF2100)T			
Automatic Trailer Fla	sher Monitor	Reversing	g Sensor		Cut Out Switch, e	tc.	Mfr's T	owii	ng Plu	g	
Find Constant Live		•			Find Ignition-Swit	ched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location			Route to Battery	v	1	Fusebox L	ocation				
Choose power	source careful	ly. On cars	with power mana	agement (ID	by battery conditio	n in display) do not g	go to	the b	attery	
Fitting times, etc. No	tes										
					y correct wire in lo ee SmartCAN Data			1 4	2	3	
Lights	Vehicle Wire C	olours	Alternativ	re e	L	ocation	╛┠	7	8	9	
LH Flasher							▋▝				-
Fog Light								10	11	12	
RH Flasher							_	\dashv			
RH Side Light								13	14	15	
Brake Light											
LH Side Light							▋	16	17	18	
Reverse							-	19	20	21	-

Ryder Towing Equipment Ltd

Quality, Service, Innovation

Mercedes Sprinter Van 2001 -

7-Core Entry Point		Longer 7 (Core Cable		Bypass Recommer F2302, see SmartC		Other Rel	ay Reco	mend
				TF2218/7	'SMARTLOGIC				
Automatic Trailer Fl	asher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's Tow	ina Plu	<u> </u>
	usiler mornitor	reversing	Censor		out out ownon, o	10.	IIIII S TOW	iiig i iu	<u>9</u>
Find Constant Live					Find Ignition-Swit	chod Livo			
						Cileu Live			
Colour:					Colour:				
Location:					Location:				
Add Fuse:					Add Fuse:				
Best Wiring Locatio	n		Route to Battery			Fusebox Lo	cation		
		y. On cars	with power manage	ement (ID	by battery conditio	n in display)	do not go	to the b	attery.
Fitting times, etc. N	otes								
Wire positions	and connection r								
		ointe etc a	re given. Hee probe	to identif	correct wire in lo	cation			
i nese r			re given. Use probe lay. For TF2302 Sm				1	2	3
		g bypass re	lay. For TF2302 Sm		ee SmartCAN Data		4	5	3
Lights LH Flasher	notes relate fitting	g bypass re			ee SmartCAN Data				3 6 9
Lights LH Flasher	Vehicle Wire C	g bypass re	lay. For TF2302 Sm		ee SmartCAN Data		4	5	3 6 9
Lights	Vehicle Wire C Black/white	g bypass re	lay. For TF2302 Sm		ee SmartCAN Data		4 7	5	6 9
Lights LH Flasher Fog Light RH Flasher	Vehicle Wire C Black/white Yellow/black Green/black	g bypass re	lay. For TF2302 Sm		ee SmartCAN Data		10	5 8 11	6 9
Lights LH Flasher Fog Light	Vehicle Wire C Black/white Yellow/black	g bypass re	lay. For TF2302 Sm		ee SmartCAN Data		4 7	5	6 9
Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire C Black/white Yellow/black Green/black Grey/red	g bypass re	lay. For TF2302 Sm		ee SmartCAN Data		10	5 8 11	6 9

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Quality, Service, Innovation

Mercedes Sprinter Van 2007 -

7-Core Entry Point		Longer 7	Core Cable	If -	Bypass Recomme F2302, see Smart0		Other I	Rela	y Reco	mend
				TF2218	/7SMARTLOGIC					
Automatic Trailer Fl	lasher Monitor	Reversing	n Sensor		Cut Out Switch,	etc.	Mfr's T	owii	na Plu	n
	addict monitor	reversing	g 0011001		out out ownon,	0.0.	- IIIII 3 1	0	ig i iu	9
Find Constant Live					Find Ignition-Sw	itched Live				
					_	iterieu Live				
Colour:					Colour:					
Location: 12 White	e block under seat				Location:					
Add Fuse:					Add Fuse:					
Best Wiring Location	on		Route to Battery	<i></i>		Fusebox L	ocation			
19: in pillar				,						
Choose power	er source careful	ly. On cars	with power mana	agement (IC	by battery condition	on in display	r) do not g	jo to	the b	attery.
Fitting times, etc. N			<u> </u>	· .				-		
<u> </u>										
Wire positions	and connection p	oints etc a	ıre given. Use pro	be to ident	fy correct wire in l	ocation.	_			
					see SmartCAN Dat			1	2	3
Lights	Vehicle Wire C	olours	Alternativ	e	ı	Location	╗╟	7	5	6
LH Flasher	Black/white							-	8	9
								- 1		
Fog Light	Grey/brown							10	11	12
	Grey/brown Green/black							10	11	12
Fog Light	-							10		12
Fog Light RH Flasher	Green/black								14	
Fog Light RH Flasher RH Side Light	Green/black Grey/red									

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Quality, Service, Innovation

Mercedes Vito / V Class Van 2000 -

7-Core Entry Point		Longer 7 (Core Cable	If 7	Bypass Recomn F2302, see Smar		Other	r Rela	y Reco	omende
				TF2218	7SMARTLOGIC					
Automatic Trailer Fla	sher Monitor	Reversing	Sensor		Cut Out Switch	ı, etc.	Mfr's	Towi	ng Plu	g
Find Constant Live		1			Find Ignition-S	witched Live				
Colour:					Colour: Ye	ellow				
Location:					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Location	ı		Route to Batter	у		Fusebox Lo	ocation			
		ly. On cars	with power man	agement (ID	by battery condi	tion in display) do no	go te	o the b	attery.
	ss (TF2217LOG car senses traile	er lamp; front	stays on. Trailer	lights also go	o out.					
V Class car has a 21-p	oin buib-failure re	elay under th	e dash that may t	ourn out if no	t protected. We st	rongly recomme	end a fu	п рура	ass set	<u> </u>
Wire positions an					fy correct wire in see SmartCAN D			1 4	2	3
Lights	Vehicle Wire C	Colours	Alternativ	/e		Location		7	8	-
LH Flasher	Black/white								-	
Fog Light	Yellow/black							10	11	12
RH Flasher	Black/green									\square
RH Side Light	Grey/red							13	14	15
Brake Light	Purple/black									
LH Side Light	Grey/white							16	17	18
Reverse										

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Quality, Service, Innovation

Reverse

7-Core Entry Point		Longer 7 Co	re Cable		Bypass Recomme F2302, see Smart		Othe	r Rela	y Reco	omeno	led
				None							
Automatic Trailer F	lasher Monitor	Reversing S	ensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	a	
					,					<u> </u>	
Find Constant Live		I			Find Ignition-Sw	ritched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	on	R	oute to Battery			Fusebox L	ocation	l			
19			-								
Choose pow	er source carefull	y. On cars wi	th power manag	ement (ID	by battery conditi	on in display) do no	t go to	the b	attery	
Fitting times, etc. N	lotes										
Wiring: Bring opposit	te flasher and tail li	ght leads acro	ss to connection p	point							
					y correct wire in I see SmartCAN Da			1 4	2	3	
Lights	Vehicle Wire C	olours	Alternative			Location		7	8		ı
LH Flasher	Black/white							<u> </u>		,	
Fog Light	Grey/green							10	11	12	
RH Flasher	Black/green							\vdash			
RH Side Light	Grey/black							13	14	15	
Brake Light	Purple/black					19					
LH Side Light	Grey/black							16	47	40	ı

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Quality, Service, Innovation

Mercedes Vito/V Class Van 2003 -

-Core Entry Point		Longer 7 Co	ore Cable		Bypass Recommend F2302, see SmartCA		Other Re	lay Rec	omend	ed
9/21 Grommet				TF2218/	7SMARTLOGIC					
Automatic Trailer F	asher Monitor	Reversing S	Sensor		Cut Out Switch, etc).	Mfr's To	wing Plu	g	
					·					
Find Constant Live					Find Ignition-Switc	hed Live				
Colour:					Colour:					
Location: 21					Location:					
Add Fuse:					Add Fuse:					
Add 1 d3c.					71001 000.					
Best Wiring Location	n	F	Route to Battery		I	Fusebox Lo	cation			
Choose pow	er source carefully	. On cars w	ith power mana	gement (ID	by battery condition	in display)	do not ac	to the b	atterv.	
Fitting times, etc. N				,	,					
These	notes relate fitting	bypass rela	y. For TF2302 S	martCAN, s	y correct wire in loca ee SmartCAN Data		1	2 5	3 6	1
These Lights	Vehicle Wire Co	bypass rela		martCAN, s	ee SmartCAN Data	ation. cation			3 6 9	
These	notes relate fitting	bypass rela	y. For TF2302 S	martCAN, s	ee SmartCAN Data		4	5	3 6 9	
These Lights	Vehicle Wire Co Black/white Grey/green	bypass rela	y. For TF2302 S	martCAN, s	ee SmartCAN Data		4	5	3 6 9	
These	Vehicle Wire Co Black/white Grey/green Black/green	bypass rela	y. For TF2302 S	martCAN, s	ee SmartCAN Data		4	5	3 6 9	
Lights LH Flasher Fog Light	Vehicle Wire Co Black/white Grey/green	bypass rela	y. For TF2302 S	martCAN, s	ee SmartCAN Data		4	5 8 11	3 6 9	
Lights LH Flasher Fog Light RH Flasher	Vehicle Wire Co Black/white Grey/green Black/green	bypass rela	y. For TF2302 S	martCAN, s	ee SmartCAN Data		10	5 8 11		
Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire Co Black/white Grey/green Black/green Grey/red	bypass rela	y. For TF2302 S	martCAN, s	ee SmartCAN Data		10	5 8 11 14		

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Quality, Service, Innovation

Reverse

Red

Mitsubishi Canter Chassis Cab 1998 -

7-Core Entry Point		Longer 7 C	ore Cable		Bypass Recommei F2302, see SmartC		Other	Rela	y Reco	menc	led
Automatic Trailer F	lasher Monitor	Reversing	Sensor		Cut Out Switch, e	etc.	Mfr's 1	Γowi	ng Plu	g	
										<u>-</u>	
Find Constant Live					Find Ignition-Swi	tched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	on		Route to Battery			Fusebox Lo	ocation				
19, 21 Lamps											
-		/. On cars v	with power manager	ment (ID	by battery conditio	n in display	do not	go to	the b	attery	
Fitting times, etc.											
Wire inside rear lamp	ps.										
			e given. Use probe t lay. For TF2302 Sma					1 4	2	3	
Lights	Vehicle Wire Co	olours	Alternative		L	ocation		7	8	9	
LH Flasher	Green/white							-		-	
Fog Light	Red/white							10	11	12	
RH Flasher	Yellow/white						-	_			
RH Side Light	Yellow/red							13	14	15	
Brake Light	Red/yellow	-									
LH Side Light	Yellow/black							16	17	18	

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Quality, Service, Innovation

Mitsubishi Carisma All Oct 1995 -

7-Core Entry Point		Longer 7 (Core Cable	lf '	Bypass Recommer TF2302, see SmartC		Othe	r Rela	y Reco	menc	ed
				None							
Automatic Trailer Fla	asher Monitor	Reversing	Sensor		Cut Out Switch, e	etc.	Mfr's	Towi	ng Plu	g	
Find Constant Live					Find Ignition-Swi	tched Live	11				
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	n		Route to Batter	у		Fusebox L	ocation				
		ly. On cars	with power man	agement (II	by battery condition	on in display) do no	go to	the b	attery	·
Fitting times, etc. N	otes										
Wire positions a	and connection p	oints etc a	re given. Use pr	obe to ident	ify correct wire in lo	cation.					
					see SmartCAN Data			1	2	3	•
Lights	Vehicle Wire C	olours	Alternati	ve	L	ocation		4	5	6	
LH Flasher	Green/black							7	8	9	_
Fog Light											
Fog Light	Red					13		10	11	12	
RH Flasher	Red Green/red					13		10	11	12	
						13		10	11	12	
RH Flasher	Green/red					13					
RH Flasher RH Side Light	Green/red Green/orange					13					

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Quality, Service, Innovation

7-Core Entry Point		Longer 7	Core Cable		Bypass Recommer F2302, see SmartC		Other Rela	y Reco	mended
				None					
Automatic Trailer Fl	asher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's Towi	na Plu	<u>а</u>
		The term of the te						<u>g</u>	<u> </u>
Find Constant Live					Find Ignition-Swit	ched Live			
Colour:					Colour:				
Location:					Location:				
Add Fuse:					Add Fuse:				
Add I use.					Add I doc.				
Best Wiring Locatio	n		Route to Battery			Fusebox Lo	cation		
Choose power Fitting times, etc. N		y. On cars	with power manag	ement (ID	by battery conditio	n in display)	do not go to	the ba	attery.
Wire positions	and connection p	oints etc a							
	notes relate fitting	g bypass re	re given. Use prob lay. For TF2302 Sn	e to identif nartCAN, s	y correct wire in lo see SmartCAN Data	cation.	1	2	3
Lights	Vehicle Wire C	g bypass re	elay. For TF2302 Sn	e to identif nartCAN, s	see SmartCAN Data	cation.	4	5	6
		g bypass re	elay. For TF2302 Sn	e to identif nartCAN, s	see SmartCAN Data				6 9
Lights	Vehicle Wire C	g bypass re	elay. For TF2302 Sn	e to identif nartCAN, s	see SmartCAN Data		4	5	3 6 9
Lights LH Flasher	Vehicle Wire C	g bypass re	elay. For TF2302 Sn	e to identif nartCAN, s	see SmartCAN Data		7	5	6
Lights LH Flasher Fog Light	Vehicle Wire C Green/yellow Red	g bypass re	elay. For TF2302 Sn	e to identif nartCAN, s	see SmartCAN Data		7	5	6
Lights LH Flasher Fog Light RH Flasher	Vehicle Wire C Green/yellow Red Green/red	g bypass re	elay. For TF2302 Sn	e to identif nartCAN, s	see SmartCAN Data		10	5 8 11	6 9
Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire C Green/yellow Red Green/red Green/orange	g bypass re	elay. For TF2302 Sn	e to identif nartCAN, s	see SmartCAN Data		10	5 8 11	6 9

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Quality, Service, Innovation

Mitsubishi Delicia (import) All -

7-Core Entry Point		Longer 7	Core Cable	If	Bypass Recommo TF2302, see Smart		Othe	r Rela	y Reco	meno	ed
19 Grommet				None							
Automatic Trailer F	lasher Monitor	Reversing	Sensor		Cut Out Switch,	etc	Mfr's	Towi	ng Plu	a	
	identer interniter	- Novoloning			out out ownon,					ອ	
Find Constant Live					Find Ignition-Sw	itched Live					
						ritorica Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	on		Route to Battery			Fusebox L	ocation	1			
		ly. On cars	with power mana	gement (I	D by battery conditi	on in display	η) do no	t go to	o the b	attery	
Fitting times, etc. I	Notes										
					tify correct wire in I , see SmartCAN Da			1 4	2	3	
Lights	Vehicle Wire C	colours	Alternative	!		Location		7	8	9	
LH Flasher	Green/blue						_	H	_	_	_
Fog Light								10	11	12	
RH Flasher	Green/yellow							\vdash			
RH Side Light	Green/white							13	14	15	
								i I			_
Brake Light	Green										
	Green/white							16	17	18	l

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Quality, Service, Innovation

Mitsubishi Galant Estate Spring 1997 -

-Core Entry Point		Longer 7 Core	Cable		Bypass Recommer F2302, see SmartC		Other Rel	ay Reco	omend
)rill				None					
Automatic Trailer Fl	lacher Meniter	Reversing Sens			Cut Out Switch, e	10	Mfr's Tow	ina Dlu	~
	asher Worldon	Reversing Sens	501		Cut Out Switch, e	16.	WIII S TOW	ilig Flu	y
ind Constant Live					Find Ignition-Swit	ched Live			
Colour:					Colour:				
Location:					Location:				
Add Fuse:					Add Fuse:				
Best Wiring Locatio		Pou	te to Battery			Fusebox L	ocation		
Choose power		y. On cars with	power manago	ement (ID	by battery conditio	n in displa	y) do not go	to the b	attery.
Wire positions	and connection p	points etc are giv g bypass relay. I	ven. Use probe For TF2302 Sm	e to identif	y correct wire in lo see SmartCAN Data	cation.	y) do not go	to the b	attery.
Fitting times, etc. N	Notes	points etc are giv g bypass relay. I	ven. Use probe	e to identif	y correct wire in lo see SmartCAN Data	cation.	1	2	
Wire positions These	and connection p	points etc are giv g bypass relay. I	ven. Use probe For TF2302 Sm	e to identif	y correct wire in lo see SmartCAN Data	cation.	1 4	2 5	
Wire positions These I Lights LH Flasher	and connection p notes relate fitting Vehicle Wire C Green/black	points etc are giv g bypass relay. I	ven. Use probe For TF2302 Sm	e to identif	y correct wire in lo see SmartCAN Data	cation.	1 4 7	2 5 8	3 6 9
Wire positions These I Lights LH Flasher Fog Light	and connection p notes relate fitting Vehicle Wire C Green/black Blue	points etc are giv g bypass relay. I	ven. Use probe For TF2302 Sm	e to identif	y correct wire in lo see SmartCAN Data	cation.	1 4 7	2 5 8	3 6 9
Wire positions These I Lights LH Flasher Fog Light RH Flasher	and connection p notes relate fitting Vehicle Wire C Green/black Blue Green/yellow	points etc are giv g bypass relay. I	ven. Use probe For TF2302 Sm	e to identif	y correct wire in lo see SmartCAN Data	cation.	1 4 7 10	2 5 8	3 6 9 12
Wire positions These I Lights LH Flasher Fog Light RH Flasher RH Side Light	and connection p notes relate fitting Vehicle Wire C Green/black Blue Green/yellow Green/white	points etc are giv g bypass relay. I	ven. Use probe For TF2302 Sm	e to identif	y correct wire in lo see SmartCAN Data	cation.	1 4 7 10	2 5 8	3 6 9 12

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Quality, Service, Innovation

Mitsubishi Grandis MPV 2004 -

7-Core Entry Point		Longer 7 C	ore Cable		Bypass Recommer F2302, see SmartC		Othe	r Rela	y Reco	mende
21 Grommet		2m		TF2218/7	7SMARTLOGIC					
Automatic Trailer Fl	asher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's	Towi	ng Plu	g
ind Constant Live					Find Ignition-Swi	tched Live				
Colour:					Colour:					
Location: Battery					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Locatio	n		Route to Battery	,		Fusebox L	ocation			
9/21			Along chassis - p	rotect with co	onvoluted tubing					
Choose power		y. On cars w	/ith power mana	gement (ID	by battery conditio	n in display) do no	t go to	o the b	attery.
					y correct wire in lo			1	2	3
These r	notes relate fitting	g bypass rel	ay. For TF2302 S	SmartCAN, s	ee SmartCAN Data	1		1 4	2	3 6
These r	Vehicle Wire C	g bypass rel	ay. For TF2302 S	SmartCAN, s	ee SmartCAN Data	ocation				3 6 9
These r	Vehicle Wire C Green/yellow	g bypass rel	Alternative Green/brov	SmartCAN, s	ee SmartCAN Data	ocation		4	5	6
These r Lights LH Flasher Fog Light	Vehicle Wire C Green/yellow Red/blue	g bypass rel	Alternative Green/brov Red/black	SmartCAN, s	ee SmartCAN Data	ocation 19 21		7	5	6 9
These r Lights LH Flasher Fog Light RH Flasher	Vehicle Wire C Green/yellow	g bypass rel	Alternative Green/brov	SmartCAN, s	ee SmartCAN Data	ocation		4 7 10	5 8	9
Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire C Green/yellow Red/blue Green/red	g bypass rel	Alternative Green/brow Red/black Green	SmartCAN, s	ee SmartCAN Data	ocation 19 21		7	5	6 9
Lights LH Flasher Fog Light RH Flasher	Vehicle Wire C Green/yellow Red/blue Green/red Green/white	g bypass rel	Alternative Green/brov Red/black Green Red/blue	SmartCAN, s	ee SmartCAN Data	ocation 19 21 21 21		4 7 10	5 8	9

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Quality, Service, Innovation

LH Side Light

Reverse

Green/white

Blue/red

Mitsubishi L200 Pickup 1996 -

ai Data Officet					MILSUDIS			Мер	
7-Core Entry Point	Longer	7 Core Cable	If	Bypass Recomme TF2302, see Smart		Other I	Relay R	ecome	nded
13/14/15 Grommet under s	eat 4.5m		None			TF2100	T/TF20	05T/TF	115F
Automatic Trailer Flasher	Monitor Reversi	ng Sensor		Cut Out Switch,	etc.	Mfr's T	owing	Plug	
ind Constant Live				Find Ignition-Sw	vitched Live				
Colour:				Colour: Blu	е				
Location: Battery				Location:					
Add Fuse:				Add Fuse:					
Best Wiring Location		Route to Battery	y		Fusebox L	_ocation			
Multiplug, 12 under seat		Grommet LH bul	khead						
Choose power sou	rce carefully. On ca	rs with power mana	agement (I	D by battery conditi	ion in display	y) do not (go to th	e batte	ry.
Fitting times, etc. Notes									
Reseal access grommet ca	refully.								
Wire positions and co	onnection points etc relate fitting bypass						1 2		-
Lights Ver	nicle Wire Colours	Alternativ	⁄e		Location		7 8		┨
LH Flasher Gre	en/blue								▞▘
Fog Light Red	d/silver						10 1	1 12	
RH Flasher Gre	en/lime								\perp
RH Side Light Gre	en/red						13 1	4 15	
Brake Light Gre	en								

Ryder Towing Equipment Ltd Quality, Service, Innovation

Mitsubishi L200 Pickup Late 1996 -

7-Core Entry Point		Longer 7	Core Cable	If T	Bypass Recomme F2302, see Smart0		Othe	r Rela	y Reco	menc	ed
13/14/15 Grommet ui	nder seat	4.5m		None			TF21	00T/T	F20057	Γ/TF11	5FL
Automatic Trailer FI	asher Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	g	
Find Constant Live					Find Ignition-Sw	itched Live					
Colour:					Colour: Blue						
Location:					Location: Stal						
					Add Fuse:	N.					
Add Fuse:					Add I use.						
Best Wiring Locatio	n		Route to Battery	/		Fusebox L	ocation	1			
Multiplug RH rear sea			Grommet in bulk								-
Choose power	er source careful	lv. On cars	with power mana	agement (ID	by battery condition	on in display	/) do no	t ao ta	the b	atterv	
Fitting times, etc. N		.,				,	,,	3			
Titting times, etc. iv											
					fy correct wire in lose see SmartCAN Data			1	2	3	
i ilese i	Totes relate intility	y nypass re	siay. FOI 1F2302 (Siliai (CAN, s	See SmartCAN Date	a 		4	5	6	
Lights	Vehicle Wire C	olours	Alternativ	e	L	ocation		7	8	9	
LH Flasher	Green/blue						_				_
Fog Light	Red							10	11	12	
RH Flasher	Green/yellow							$\vdash\vdash$			
RH Side Light	Green/white							13	14	15	
Brake Light	Green			·				i l			_
Brake Light	GICCII										
LH Side Light	Green/red							16	17	18	

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Quality, Service, Innovation

LH Side Light

Reverse

Green/orange

Red/green

Mitsubishi Outlander All 2003 -

7-Core Entry Point Longer 7			Longer 7 Core Cable		Bypass Recommended If TF2302, see SmartCAN data			Other Relay Recomende				
Grommet, foglight				TF2218/7	'SMARTLOGIC							
Automatic Trailer Flas	sher Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	g	_	
							19 Mu	Itiblo	ck			
Find Constant Live					Find Ignition-Swi	tched Live						
Colour:					Colour:					-		
Location:					Location:							
Add Fuse:					Add Fuse:							
Best Wiring Location			Route to Battery			Fusebox L	ocation					
Choose nower	source carefu	lly On cars	with nower manage	ement (ID	by battery condition	n in display	ν) do not	no to	the h	attory		
Fitting times, etc. No		ny. On cars	with power manag	ement (ID	by battery contains	ni ili dispiay	, do not	go it	, the b	atter y	_	
Bypass: As indicated a		overload, mal	function or CPU da	mage								
					y correct wire in lo ee SmartCAN Data		_	1 4	2	3		
Lights	Vehicle Wire (Colours	Alternative		L	ocation		7	8	9	۱	
LH Flasher	Green/yellow						_ 7	-			Г	
Fog Light	Green/white				C	Grommet		10	11	12		
RH Flasher	Green/white					21						
RH Side Light	Green/red							13	14	15		
Brake Light	Blue/pink											

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Quality, Service, Innovation

Reverse

Red/green

Mitsubishi Shogun 4WD 2005 -

							J					
7-Core Entry Point		Longer 7 C	nger 7 Core Cable		Bypass Recommended If TF2302, see SmartCAN data			Other Relay Recomended				
				None			TF110R/	TF1152				
Automatic Trailer	Flasher Monitor	Reversing S	Sensor		Cut Out Switch,	etc.	Mfr's To	wing Pl	ua			
									<u>9</u>			
Find Constant Live	9	1			Find Ignition-Sw	itched Live						
Colour:					Colour:							
Location:					Location:							
Add Fuse:					Add Fuse:							
Best Wiring Locat	ion		Route to Battery	1		Fusebox L	ocation					
Choose pov	ver source careful	ly. On cars w	vith power mana	gement (ID	by battery condition	on in display) do not go	to the	battery	/ <u>.</u>		
Fitting times, etc.	Notes											
	recommended to a	void overload	. Fitting otherwis	e basic.					-			
			-									
					fy correct wire in losee SmartCAN Data		1		3			
Lights	Vehicle Wire C	colours	Alternative	е	L	ocation	7	-	-	ł		
LH Flasher	Green/yellow		Green/blue	9				+ •	+	•		
Fog Light	Red/white		Red				10	11	12			
RH Flasher	Green/red		Green/yell	ow								
RH Side Light	Green/orange		Green/red				13	14	15			
Brake Light	Blue/orange		Green									
LH Side Light	Green/white		Red/green				16	17	18	┫		

Red

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Quality, Service, Innovation

Mitsubishi Shogun Challenger 4WD May 1999 -

•		Longer 7 Core Cable		Bypass Recommended If TF2302, see SmartCAN data			Other Relay Recomende			
rill into jack comp (r	rear seat)			None						
Automatic Trailer Flasher Monitor Reversing			or		Cut Out Switch,	Cut Out Switch etc			a	
							Mfr's Tow	g	5	
ind Constant Live					Find Ignition-Sw	itched Live				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
Add I use.					Add Fdoc.					
Best Wiring Location	on	Route	e to Battery			Fusebox I	_ocation			
Choose power		/. On cars with p	ower manage	ement (ID	by battery condition	on in displa	y) do not go t	o the b	attery	
Fitting times, etc. N	Notes								attery	
Fitting times, etc. N	Notes	oints etc are give	en. Use probe	to identif	by battery condition fy correct wire in losee SmartCAN Dat	ocation.	y) do not go t	o the b	attery	
Fitting times, etc. N	Notes	oints etc are give bypass relay. Fo	en. Use probe	to identif	y correct wire in k	ocation.	1	2		
Wire positions	and connection ponotes relate fitting	oints etc are give bypass relay. Fo	en. Use probe or TF2302 Sm	to identif	y correct wire in k	ocation. a	1	2		
Wire positions These	and connection protes relate fitting	oints etc are give bypass relay. Fo	en. Use probe or TF2302 Sm	to identii	y correct wire in k	ocation. a	1	2		
Wire positions These I Lights LH Flasher	and connection ponotes relate fitting Vehicle Wire Congreen/blue	oints etc are give bypass relay. Fo	en. Use probe or TF2302 Sm Alternative	to identii nartCAN, s	y correct wire in k	ocation. a	1 4 7	2 5 8	3 6 9	
Wire positions These I Lights LH Flasher Fog Light	and connection protes relate fitting Vehicle Wire Congreen/blue Red	oints etc are give bypass relay. Fo	en. Use probe or TF2302 Sm Alternative	to identificant CAN, startCAN, startcant	y correct wire in k	ocation. a	1 4 7	2 5 8	3 6 9	
Wire positions These I Lights LH Flasher Fog Light RH Flasher	and connection ponotes relate fitting Vehicle Wire Construction Green/blue Red Green/yellow	oints etc are give bypass relay. Fo	en. Use probe or TF2302 Sm Alternative Jack compar Jack compar	to identificant CAN, startCAN, startcant	y correct wire in k	ocation. a	1 4 7 10	2 5 8 11	3 6 9 12	
Wire positions These I Lights LH Flasher Fog Light RH Flasher RH Side Light	and connection ponotes relate fitting Vehicle Wire Congreen/blue Red Green/yellow Green/red	oints etc are give bypass relay. Fo	en. Use probe or TF2302 Sm Alternative Jack compar Jack compar	to identificant CAN, startCAN, startcant	y correct wire in k	ocation. a	1 4 7 10	2 5 8 11	3 6 9 12	

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Mitsubishi Shogun Pinin 4WD 2001 -

7-Core Entry Point	Longer 7 Core Cable			Bypass Recommended If TF2302, see SmartCAN data			Other Relay Recomended				
				None							
Automatic Trailer Fl	asher Monitor	Reversing	Sensor		Cut Out Switch, et	 3.	Mfr's	Towi	ng Plu	α	
									g	<u> </u>	
Find Constant Live					Find Ignition-Switch	hed Live					
					Colour:	ilica Live					
Colour:											
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Locatio	n		Route to Battery			Fusebox Lo	cation				
Choose power		ly. On cars	with power manage	ement (ID	by battery condition	in display)	do not	go to	the b	attery.	
			re given. Use probe lay. For TF2302 Sn		y correct wire in loc ee SmartCAN Data	ation.		1	2	3	
Lights	Vehicle Wire C	olours	Alternative			cation	ा 	4	5	6	
Lights LH Flasher	Vehicle Wire C	olours	Alternative			cation		7	8	9	
		olours	Alternative			cation				9	
LH Flasher	Green/yellow	colours	Alternative			cation		7	8		
LH Flasher Fog Light	Green/yellow Red/white	colours	Alternative			cation		7	8		
LH Flasher Fog Light RH Flasher	Green/yellow Red/white Green/red	colours	Alternative			cation		10	11	12	
LH Flasher Fog Light RH Flasher RH Side Light	Green/yellow Red/white Green/red Green/white	olours	Alternative			cation		10	11	12	

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Quality, Service, Innovation

Mitsubishi Shogun Pinin Junior 4WD 2001 -

7-Core Entry Point Longe			nger 7 Core Cable Bypass Recommended If TF2302, see SmartCAN data			Other Relay Recomended					
					ers use 7-way OGIC/2218						
Automatic Trailer FI	asher Monitor	Reversing	Sensor		Cut Out Switch, e	Mfr's Towing Plug					
Find Constant Live		ı			Find Ignition-Swi	tched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Locatio	n		Route to Battery		·	Fusebox Lo	cation	ı			
19, 21 Lamps											
Choose power	er source careful	ly. On cars	with power manag	jement (ID	by battery conditio	on in display)	do no	t go to	o the b	attery	
Fitting times, etc. N	lotes										
					y correct wire in lo ee SmartCAN Data			1 4	2	3	
Lights	Vehicle Wire C	olours	Alternative		L	ocation		7	8	9	
LH Flasher	Green/yellow						_	H		_	•
Fog Light	Red/white					21		10	11	12	
RH Flasher	Green/red							\vdash			
RH Side Light	Green/white							13	14	15	
Brake Light	Green										
LH Side Light	Green/orange							16	17	18	
Reverse	Red/green							19	20	21	

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Mitsubishi Shogun Sport Warrior 4WD May 2002 -

						•	•				•	
7-Core Entry Point Longer 7		Core Cable	Bypass Recommended If TF2302, see SmartCAN data			Other Relay Recomended						
19)				None							
Αu	ıtomatic Trailer Fl	lasher Monitor	Reversing	Sensor		Cut Out Switch	h. etc.	Mfr's	Towi	ng Plu	a	
,		idonor informor	Tro voi oiniş	, солос.		Out out own	, 0.01				<u> </u>	
Fir	nd Constant Live					Find Ignition-	Switched Live					
	Colour:					Colour:						
ı	Location:					Location:						
Α	Add Fuse:					Add Fuse:						
Re	est Wiring Locatio	nn .		Route to Batte	arv	-	Fusebox Lo	ocation				
5	sat Willing Locatio	,,,,		Grommet LH b			I USEDOX EX	Jeatioi				
	Choose power	er source careful	ly. On cars	with power ma	ınagement (II	by battery cond	lition in display)	do no	t go t	o the b	attery	
Fi	itting times, etc. N	lotes										
	Wire positions	and connection p	noints etc a	re aiven Use n	rohe to ident	ify correct wire i	n location					,
		notes relate fittin							1	2	3	•
	Lights	Vehicle Wire C	Colours	Alterna	tive		Location		4	5	6	
	LH Flasher	Green/blue							7	8	9	•
	Fog Light	Red							10	11	12	
	RH Flasher	Green/yellow							\vdash			
	RH Side Light	Green/red							13	14	15	
	Brake Light	Green										
	LH Side Light	Green/white							16	17	18	
	Reverse	Red							19	20	21	

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Quality, Service, Innovation

Mitsubishi Shogun SWB Van body 4WD 2002 -

7-Core Entry Point		Longer 7	Core Cable	If T	Bypass Recomm F2302, see Smart		Othe	r Rela	y Reco	omeno	led
		3.5m		None							
Automatic Trailer F	Elasher Monitor	Reversing	n Sansor		Cut Out Switch,	etc	Mfr'e	Towi	ng Plu	<u> </u>	
Automatic Trailer	lastici Motilioi	Reversing	y Jenson		Cut Out Switch,	eic.	IVIII S	TOW	iig i iu	9	
Find Constant Live)				Find Ignition-Sv	itched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Locati	on		Route to Battery	,		Fusebox Lo	ocation				
			Under chassis			Under bonn	et RH				
Choose pow	ver source careful	lly. On cars	with power mana	igement (ID	by battery condit	on in display) do no	t go t	o the b	attery	
Fitting times, etc.	Notes										
Wiring: Remove N/S			f 7-core (patiently)tl the audible monitor				ole to cl	uster	This wi	Il give	you
Wiring: Seal all exte			ine audible monitor	. Connect of	ner leads under the	CHASSIS					
Willing. Sear all exte	inal connections w	/CII									
			are given. Use pro					1	2	3	
rnese	notes relate littin	ig bypass r	elay. For TF2302 \$	SmartCAN, S	see SmartCAN Da	ıa 	_ [4	5	6	
Lights	Vehicle Wire 0	Colours	Alternativ	е		Location		7	8	9	
LH Flasher	Green/red							-			Γ.
Fog Light	Red/white							10	11	12	
RH Flasher	Green/blue									-	
RH Side Light	Green/white							13	14	15	
Brake Light	Blue/orange										
LH Side Light	Green/orange							16	17	18	
Reverse											

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Mitsubishi Shogun/ Pajero SWB 2000 -

7-Core Entry Point		Longer 7 (Core Cable	If T	Bypass Recomm F2302, see Smart		Othe	er Rela	y Reco	omen	bek
Grommet by fuel tank	(3.5m		None							
Automatic Trailer FI	asher Monitor	Reversing	Sensor		Cut Out Switch	, etc.	Mfr's	s Towi	ng Plu	g	
Find Constant Live	<u>'</u>				Find Ignition-Sv	vitched Live					
Colour:					Colour:						
Location: Dashboa	ard 10				Location:						
Add Fuse:					Add Fuse:						
Best Wiring Locatio	n		Route to Battery	ı		Fusebox Lo	cation	1			
15 Loom under floor	before rear seat		Grommet @ 12			Under bonne	t RH				
Choose power Fitting times, etc. N	er source carefully lotes	v. On cars	with power mana	agement (ID	by battery condit	ion in display)	do no	ot go t	o the b	attery	'.
	and connection ponotes relate fitting							1 4	2	3	L
Lights	Vehicle Wire Co	lours	Alternativ	е		Location		7	8	9	ł
LH Flasher	Green/yellow					13	•	<u> </u>	_	-	┌
Fog Light	Red/white				2 Und	er door trim pan	e	10	11	12	
RH Flasher	Green/red					15		<u> </u>			-
RH Side Light	Green/orange		Green/whi	te		15		13	14	15	
Brake Light	Blue/orange		Blue/red			15					
LH Side Light	Green/white					15		16	17	18	ı
Reverse	Red/green	-				15		19	20	21	F

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Mitsubishi Shogun/Pajero LWB 2000 -

7-Core Entry Point	Longer 7 Core Cable		Bypass Recommended F2302, see SmartCAN da	Other Relay Recomended ta
Grommet by fuel tank	3.5m	None		
Automatic Trailer Flasher Monitor	Reversing Sensor		Cut Out Switch, etc.	Mfr's Towing Plug
Find Constant Live			Find Ignition-Switched	Live
Colour:			Colour:	
Location:			Location:	
Add Fuse:			Add Fuse:	
Best Wiring Location	Route to Batte	ery	Fuse	box Location
See note below	Grommet @ 12	2	Unde	r bonnet RH
Choose power source carefu	ılly. On cars with power ma	nagement (ID	by battery condition in di	splay) do not go to the battery.

Fitting times, etc. Notes

Wiring: cover plate with 4 screws under rear seat. Loom to rear lights under this. Fog and reverse in loom R/S by cover plate or under R/S rear door kick plate.(Also all wires possibly found under RH passenger foot plate inside door: just levers up.)

Power: 12volt feed behind small rectangular cover on O/S dash. Pajero has large grommet N/S under bonnet to go to battery.Rear trim hard to remove

Access: Hole under carpet by loom cover, covered in silver tape. Use to bring power feed, fog and reverse into box.

Wire positions and connection points etc are given. Use probe to identify correct wire in location.

These notes relate fitting bypass relay. For TF2302 SmartCAN, see SmartCAN Data

Lights	Vehicle Wire Colours	Alternative	Location
LH Flasher	Green/yellow		
Fog Light	Red/white		15 under kick plate
RH Flasher	Green/red		
RH Side Light	Green/orange		
Brake Light	Blue/orange		
LH Side Light	Green/white		
Reverse	Red/green		15 under kick plate

1	2	3	L
4	5	6	
7	8	9	
10	11	12	
13	14	15	
16	17	18	
19	20	21	Γ
	•		

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Mitsubishi Single Cab Pickup 2008 -

7-Core Entry Point		Longer 7	Core Cable		pass Recommene 302, see SmartCA		Other	r Rela	y Reco	omeno	bek
		4.5m									
Automatic Trailer Fl	lasher Monitor	Reversing	Sensor	C	Cut Out Switch, et	C.	Mfr's	Towi	ng Plu	g	
Find Constant Live				F	ind Ignition-Switc	hed Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	on		Route to Battery			Fusebox Lo	ocation				
10 Under seat											
Choose power		y. On cars	with power managem	nent (ID by	battery condition	in display	do not	t go to	the b	attery	'.
			re given. Use probe to			ation.					1
These	notes relate fitting	y bypass re	elay. For TF2302 Smar	rtCAN, see	SmartCAN Data			1	2	3	
Lights	Vehicle Wire C	olours	Alternative		Lo	cation		7	5	9	ł
LH Flasher	Green/yellow					10		,	8	9	▛
Fog Light	Red/white					10		10	11	12	
RH Flasher	Green/red					10					
RH Side Light	Green/white					10		13	14	15	
Brake Light	Blue/orange					10					
LH Side Light	Green/orange					10		16	17	18	ı
Reverse								40			

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Mitsubishi Space Wagon MPV Nov 1998 -

7-Core Entry Point		Longer 7 (Core Cable	If T	Bypass Recomme F2302, see Smart0		Othe	r Rela	y Reco	meno	ed
				None							
Automatic Trailer F	lacher Meniter	Poversing	Sancar		Cut Out Switch		Mfrio	Towi	na Dlu	~	
Automatic Trailer F	lasher Monitor	Reversing	Sensor		Cut Out Switch,	etc.	IVITE'S	IOWI	ng Plu	9	
Find Constant Live					Find Ignition-Sw	itched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	on		Route to Batter	y		Fusebox L	ocation	ı			
21											
Choose pow	er source careful	lly. On cars	with power man	agement (ID	by battery condition	on in display) do no	t go to	the b	attery	
Fitting times, etc. I	Notes										
Wire nositions	and connection i	noints etc a	re given Hse nro	she to identi	fy correct wire in lo	ncation					
					see SmartCAN Data			1	2	3	_
Lights	Vehicle Wire C	Colours	Alternativ	re		ocation		4	5	6	
LH Flasher	Green/yellow						_	7	8	9	
Fog Light	Red/white							10	11	12	
RH Flasher	Green/red							Ш			
KH Flasher	Greeninea										
RH Side Light	Green/white							13	14	15	
								13	14	15	•
RH Side Light	Green/white							13	14	15	

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Quality, Service, Innovation

Mitsubishi Spacestar - 2003 -

7-Core Entry Point		Longer 7 C	Core Cable		Bypass Recommer F2302, see SmartC		Other Rela	y Reco	mended
Drill				None					
Automatic Trailer Fl	asher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's Towi	ng Plu	g
									<u>-</u>
Find Constant Live					Find Ignition-Swit	ched Live			
Colour:					Colour:				
Location:					Location:				
Add Fuse:					Add Fuse:				
Add Fuse.					Add I use.				
Best Wiring Locatio	n		Route to Battery			Fusebox Lo	ocation		
Choose power		y. On cars v	with power manag	ement (ID	by battery conditio	n in display)	do not go t	o the b	attery.
		oints etc ar							
	notes relate fitting				y correct wire in lo see SmartCAN Data		1	2	3
Lights	Vehicle Wire Co	bypass re			see SmartCAN Data		4	5	6
Lights LH Flasher		bypass re	lay. For TF2302 Sr		see SmartCAN Data				6 9
	Vehicle Wire Co	bypass re	lay. For TF2302 Sr		see SmartCAN Data		4	5	3 6 9
LH Flasher	Vehicle Wire Co	bypass re	lay. For TF2302 Sr		see SmartCAN Data		7	5	6 9
LH Flasher Fog Light	Vehicle Wire Co Green/red Red	bypass re	lay. For TF2302 Sr		see SmartCAN Data		7	5	6 9
LH Flasher Fog Light RH Flasher	Vehicle Wire Co Green/red Red Green/red	bypass re	lay. For TF2302 Sr		see SmartCAN Data		10	5 8 11	6 9
LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire Co Green/red Red Green/red Green/white	bypass re	lay. For TF2302 Sr		see SmartCAN Data		10	5 8 11	6 9

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LH Side Light

Reverse

Red/blue

Green/white

7-Core Entry Point		Longer 7 (Core Cable	Bypass Recommended If TF2302, see SmartCAN data		Other Relay Recomende				
21				None						
Automatic Trailer Fla	asher Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's To	owing P	lug	
✓										
Find Constant Live					Find Ignition-Sw	ritched Live				
Colour:					Colour:					
Location: Fusebox					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Location	n		Route to Batte	ry		Fusebox L	ocation			
						Dash/footw	vell R/H (12)		
Choose power	er source carefu	lly. On cars	with power mar	nagement (ID	by battery conditi	on in display	/) do not q	o to the	battery.	
Fitting times, etc. N			•	· ·			., 0			
Wiring: Bring opposite		light leads ac	cross to connection	on point						
					y correct wire in I ee SmartCAN Da			1 2	3	
Lights	Vehicle Wire	Colours	Alternati	ve		Location		4 5 7 8	- 6	
LH Flasher	Green/black		2004 Gre	een			-			
Fog Light	Orange/black		2004 Red	d/black			1	0 11	12	
RH Flasher	Green/yellow		2004 Gre	een					+	
RH Side Light	Red/blue		2004 Gre	een/white			_ ₁	3 14	15	
Brake Light	Red/green		2004 Gre	en/vellow						

2004 Green/white 2004 Red/black

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Reverse

Nissan Cabstar E Pickup 2000 -

'-Core Entry Point		Longer 7 Co	re Cable		Bypass Recomment F2302, see SmartC		Other	r Rela	y Reco	omeno	led
				None			TF20	05T			
Automatic Trailer Fl	asher Monitor	Reversing Se	ensor		Cut Out Switch, e	tc.	Mfr's	Towi	ng Plu	g	
Find Constant Live					Find Ignition-Swit	ched Live	'				
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Locatio	n	R	oute to Battery			Fusebox L	_ocation				
9 under chassis			·								
Choose power		ly. On cars wit	th power manag	ement (ID	by battery condition	n in display	y) do not	t go to	the b	attery	<u> </u>
ront monitor: Conne	ct TF2005T behin	id fusebox									
Wire positions a	and connection p notes relate fitting	ooints etc are q g bypass relay	given. Use probe /. For TF2302 Sn	e to identi nartCAN, s	y correct wire in lo see SmartCAN Data	cation.		1	2	3	
Lights	Vehicle Wire C	Colours	Alternative		Lo	ocation		7	8	9	ı
LH Flasher	Green/red							<u> </u>		,	
Fog Light	Red/gold							10	11	12	
RH Flasher	Green/black										
RH Side Light	Yellow/white							13	14	15	
Brake Light	Green/yellow										
LH Side Light	Yellow/white							16	47	48	

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7-Core Entry Point	Longer 7 Core Cable	Bypass Recommended If TF2302, see SmartCAN d	
20 Drill in wheel well		None	
Automatic Trailer Flasher Monitor	Reversing Sensor	Cut Out Switch, etc.	Mfr's Towing Plug
V			
Find Constant Live		Find Ignition-Switched	I Live
Colour:		Colour:	
Location:		Location:	
Add Fuse:		Add Fuse:	
Best Wiring Location	Route to Batte	ry Fus	ebox Location
21			

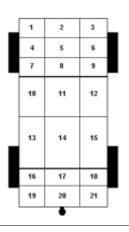
Choose power source carefully. On cars with power management (ID by battery condition in display) do not go to the battery.

Fitting times, etc. Notes 05 model: grommet behind bumper RHS Possibly a built-in buzzer Wiring: Bring opposite flasher and tail light leads across to connection point Warning: possible airbag wire on RHS to bumper, with number plate lamp wire.

Wire positions and connection points etc are given. Use probe to identify correct wire in location.

These notes relate fitting bypass relay. For TF2302 SmartCAN, see SmartCAN Data

Lights	Vehicle Wire Colours	Alternative	Location
LH Flasher	Pink		19
Fog Light	Red		21
RH Flasher	Red		21
RH Side Light	Purple		21
Brake Light	Yellow		21
LH Side Light	Grey		19
Reverse	Red		19



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-Core Entry Point		Longer 7 (Core Cable		Bypass Recommer F2302, see SmartC		Other	Rela	y Reco	mend	ed
9			-								
utomatic Trailer F	lasher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's 7	Γowi	ng Plu		
			<u>'</u>							-	
ind Constant Live					Find Ignition-Swi	tched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
			Davida da Dadda			Fusebox L					
sest Wiring Location)		Route to Battery			rusebox L	ocalion				
Chassa nam		0			h b.attam a.a.a.diti.a		\	4-	41	-44	
		y. On cars	with power manag	gement (ID	by battery conditio	n in dispiay) do not	go to	tne ba	ittery.	· —
Fitting times, etc. N	lotes										
											_
	and connection r										
i nese i					y correct wire in lo		Г	1	2	3]
					y correct wire in lo ee SmartCAN Data			-		3	•
Lights		g bypass re		martCAN, s	ee SmartCAN Data			4	5	3	
	notes relate fittin	g bypass re	elay. For TF2302 S	martCAN, s	ee SmartCAN Data	l		-		3 6 9	
Lights	Vehicle Wire C	g bypass re	elay. For TF2302 S	martCAN, s	ee SmartCAN Data	l		4	5	3 6 9	
Lights LH Flasher	Vehicle Wire C	g bypass re	elay. For TF2302 S	martCAN, s	ee SmartCAN Data	l		7	5	6	
Lights LH Flasher Fog Light	Vehicle Wire C Green/black Green/white	g bypass re	elay. For TF2302 S	martCAN, s	ee SmartCAN Data	l		7	5	6	
Lights LH Flasher Fog Light RH Flasher	Vehicle Wire C Green/black Green/white Green/yellow	g bypass re	Alternative	martCAN, s	ee SmartCAN Data	l		4 7 10	5 8	9	
Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire C Green/black Green/white Green/yellow Red/blue	g bypass re	Alternative	martCAN, s	ee SmartCAN Data	l		4 7 10	5 8	9	

Quality, Service, Innovation

Car Data Sheet Nissan Navara D40 All -

7-Core Entry Point		Longer 7	Core Cable		Bypass Recommei F2302, see SmartC		Othe	r Rela	y Reco	omeno	bek
Automatic Trailer F	lasher Monitor	Reversing	J Sensor		Cut Out Switch, e	etc.	Mfr's	Towi	ng Plu	g	
✓											
Find Constant Live					Find Ignition-Swi	tched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	on		Route to Battery			Fusebox Lo	cation	1			
21 lamp											
Choose power Fitting times, etc. N		ly. On cars	with power manag	ement (ID	by battery condition	on in display)	do no	t go t	o the b	attery	· <u> </u>
		g bypass re	re given. Use probe elay. For TF2302 Sn		ee SmartCAN Data			1	2	3	
LH Flasher	Green	70.000	7		_		_	7	8	9	₽
Fog Light	White							10	11	12	
RH Flasher	Green										
RH Side Light	Purple							13	14	15	
Brake Light	Dark blue							13	14	15	
LH Side Light	Grey							16	17	40	ł
Reverse								10	"	10	

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7-Core Entry Point		Longer 7	Core Cable	If 7	Bypass Recomme F2302, see SmartC		Other	r Rela	y Reco	omende
Automatic Trailer F	lasher Monitor	Reversin	g Sensor		Cut Out Switch, e	tc.	Mfr's	Towi	ng Plu	g
✓			<u> </u>		·					<u> </u>
Find Constant Live					Find Ignition-Swi	tched Live				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Location	on		Route to Battery			Fusebox L	.ocation	l		
9 under chassis										
		ly. On cars	s with power manag	ement (ID	by battery condition	n in display	/) do not	t go to	the b	attery.
Fitting times, etc. National Frailer flasher on das		177er								
Taller liastici off das	in , no need for be	IZZCI								
			are given. Use prob relay. For TF2302 Si					1 4	2	3
Lights	Vehicle Wire C	Colours	Alternative		L	ocation		7	8	9
LH Flasher	Green							-	-	-
Fog Light	White							10	11	12
RH Flasher	Green							\vdash		
RH Side Light	Grey							13	14	15
Brake Light	Yellow									
LH Side Light	Grey							16	17	18
Reverse	Blue							19	20	21

Quality, Service, Innovation

Nissan Navara Pickup Summer 1998 -

7-Core Entry Point		Longer 7	Core Cable		Bypass If TF2302, s	Recommer ee SmartC		Othe	r Rela	y Reco	omeno	ed
				None)							
Automatic Trailer Fla	sher Monitor	Reversing	g Sensor		Cut Ou	t Switch, e	tc.	Mfr's	Towi	ng Plu	g	
Find Constant Live					Find Ig	nition-Swit	ched Live					
Colour:					_	olour:						
Location:						ation:						
Add Fuse:						Fuse:						
Add I doe.					7100							
Best Wiring Location	1		Route to Batter	у			Fusebox L	ocation)			
		y. On cars	with power man	agement	(ID by batte	ry conditio	n in display) do no	t go to	the b	attery	
Fitting times, etc. No	otes											
Wire positions a												
These no	otes relate fitting	g bypass r	elay. For TF2302	SmartCA	N, see Smar	tCAN Data			1	2	3	
Lights	Vehicle Wire C	olours	Alternati	ve		Lo	ocation		4	5	6	
LH Flasher	White/red							_	L'H	8	9	
Fog Light	Green/red								10	11	12	
RH Flasher	White/green											
RH Side Light	Red/blue								13	14	15	
Dualsa Limbt	Green/yellow							_			-	_
Brake Light	Oreen/yellow											
LH Side Light	Red/blue								16	17	18	

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Quality, Service, Innovation

Nissan Navara Pickup Summer 1998 -

7-Core Entry Point		Longer 7	Core Cable	If T	Bypass Recomme F2302, see SmartC		Othe	r Rela	y Reco	omeno	led
				None							
Automatic Trailer Fl	asher Monitor	Reversing	g Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	g	
Find Constant Live					Find Ignition-Swi	tched Live					_
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Add 1 d3C.					71001 000.						
Best Wiring Locatio	n		Route to Battery	1		Fusebox L	ocation				-
Multiblock by spare											
Choose power	er source carefully	y. On cars	with power mana	gement (ID	by battery condition	on in display) do no	t go t	o the b	attery	-
Fitting times, etc. N	lotes										
Wiring: For indicators			under vehicle to gro	mmet unde	driver's seat. Conn	ections can b	e made	unde	r driver	's	
seat.Flasher unit is be			the sheepin Find	vour corth o	a the chaosia						
mportant Note: The	nat bed body is not	earmed to	the chassis. Find	your earin o	THE CHASSIS.						
					fy correct wire in lo			1	2	-	1
These r	notes relate fitting	bypass r	elay. For TF2302 S	SmartCAN,	see SmartCAN Data	3		<u> </u>		-	
Lights	Vehicle Wire Co	olours	Alternative	е	L	ocation		7	5		ı
LH Flasher	White/red						_	<u> </u>		,	┍
Fog Light	Green/red							10	11	12	
RH Flasher	White/green							\vdash			
RH Side Light	Red/blue							13	14	15	
Brake Light	Green/yellow										
LH Side Light	Red/blue							16	17	18	ı
Reverse	Red/black										

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Car Data Sheet Nissan Note All 2007 -

7-Core Entry Point		Longer 7 Co	re Cable	Bypass Recomr If TF2302, see Sma		Othe	r Rela	y Reco	omende
Grommet: number pl	ate light	2m							
Automatic Trailer F	lasher Monitor	Reversing S	ensor	Cut Out Switch	n, etc.	Mfr's	Towi	ng Plu	g
ind Constant Live				Find Ignition-S	witched Live				
Colour:				Colour: O	range				
Location:				Location: 2	1				
Add Fuse:				Add Fuse:					
Best Wiring Location	on	R	oute to Battery		Fusebox I	Location	1		
9/21									
Choose power	<u>-</u>	. On cars wi	th power managem	ent (ID by battery cond	ition in displa	y) do no	t go to	o the b	attery.
These	notes relate fitting	bypass rela	y. For TF2302 Smar	o identify correct wire in tCAN, see SmartCAN D	ata		1 4	2	3
These	Vehicle Wire Co	bypass rela			ata Location				3 6 9
These	Vehicle Wire Co	bypass rela	y. For TF2302 Smar Alternative		Location 19		4	5	6
These	Vehicle Wire Co	bypass rela	y. For TF2302 Smar		ata Location		7	5	6 9
Lights LH Flasher Fog Light RH Flasher	Vehicle Wire Co Purple Red	bypass rela	Alternative		Location 19 21		7 10	5 8	9
Lights LH Flasher Fog Light	Vehicle Wire Co Purple Red White	bypass rela	Alternative 1 of 4 1 of 6		Location 19 21 21		7	5	6 9
Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire Co Purple Red White Purple	bypass rela	Alternative 1 of 4 1 of 6 1 of 2		Location 19 21 21 21		7 10	5 8	9

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Red/blue

Reverse

7-Core Entry Point		Longer 7	Core Cable		Bypass Recomme F2302, see SmartC		Other	Rela	y Reco	omende
		2m		None						
Automatic Trailer Fla	asher Monitor	Reversing	g Sensor		Cut Out Switch, e	etc.	Mfr's	Towi	ng Plu	g
✓			<u> </u>		·				<u> </u>	<u> </u>
Find Constant Live					Find Ignition-Swi	tched Live				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Location	n		Route to Battery	1		Fusebox L	ocation.			
19, 21 Lamps										
Choose powe		lly. On cars	with power mana	gement (ID	by battery condition	on in display) do not	go to	the b	attery.
					y correct wire in lo		1	1	2	3
rnese n	iotes relate rittin	g bypass r	elay. For 1F2302 S	omartoan, s	see SmartCAN Data		_ [4	5	6
Lights	Vehicle Wire (Colours	Alternative	е	L	ocation	_	7	8	9
LH Flasher	Green					19	_ 7			
Fog Light	Red/blue					19 or 21		10	11	12
RH Flasher	Green					21				\vdash
RH Side Light	Green/white					21		13	14	15
Brake Light	Green/yellow					19 or 21				
LH Side Light	Green/white					19		16	17	48

19

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		Longer 7	Core Cable		Bypass Recommer F2302, see SmartC		Othe	r Rela	y Reco	omeno
		enter via l	along n/s chassis: large grommet ssenger seat. Wire	None						
utomatic Trailer F	lasher Monitor		g Sensor		Cut Out Switch, e	tc.	Mfr's	Towi	ng Plu	g
ind Constant Live					Find Ignition-Swi	tched Live				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
est Wiring Location	on		Route to Battery			Fusebox L	ocation			
Choose pow	er source carefull	y. On cars	s with power manag	jement (ID	by battery condition	n in display	/) do no	t go to	o the b	attery
Choose power		ly. On cars	s with power manag	jement (ID	by battery conditio	n in display	/) do no	t go to	o the b	attery
		ly. On cars	s with power manag	jement (ID	by battery conditio	n in display	/) do no	t go to	o the b	attery
Fitting times, etc. N	Notes						y) do no	t go to	o the b	attery
Fitting times, etc. N	Notes	points etc a	s with power manag are given. Use prob	e to identi	y correct wire in lo	cation.	/) do no	t go to	o the b	attery
Wire positions These	and connection p	points etc a	are given. Use prob relay. For TF2302 Si	e to identii nartCAN, s	y correct wire in lo see SmartCAN Data	cation.	/) do no			
Wire positions These	and connection p	points etc a	are given. Use prob	e to identii nartCAN, s	y correct wire in lo see SmartCAN Data	cation.	v) do no	1	2	
Wire positions These	and connection p notes relate fitting Vehicle Wire C Green/brown	points etc a	are given. Use prob relay. For TF2302 Si	e to identii nartCAN, s	y correct wire in lo see SmartCAN Data	cation.	v) do no	1 4	2	
Wire positions These Lights LH Flasher Fog Light	and connection p notes relate fitting Vehicle Wire C Green/brown Red/black	points etc a	are given. Use prob relay. For TF2302 Si	e to identii nartCAN, s	y correct wire in lo see SmartCAN Data	cation.	v) do not	1 4 7	2 5 8	3 6 9
Wire positions These Lights LH Flasher Fog Light RH Flasher	and connection p notes relate fitting Vehicle Wire C Green/brown Red/black Green/yellow	points etc a	are given. Use prob relay. For TF2302 Si	e to identii nartCAN, s	y correct wire in lo see SmartCAN Data	cation.	y) do not	1 4 7 10	2 5 8	3 6 9
Wire positions These Lights LH Flasher Fog Light RH Flasher RH Side Light	and connection p notes relate fitting Vehicle Wire C Green/brown Red/black	points etc a	are given. Use prob relay. For TF2302 Si	e to identii nartCAN, s	y correct wire in lo see SmartCAN Data	cation.	y) do not	1 4 7	2 5 8	3 6 9
Wire positions These Lights LH Flasher Fog Light RH Flasher	and connection p notes relate fitting Vehicle Wire C Green/brown Red/black Green/yellow Blue/black	points etc a	are given. Use prob relay. For TF2302 Si	e to identii nartCAN, s	y correct wire in lo see SmartCAN Data	cation.	y) do not	1 4 7 10	2 5 8	3 6 9

Quality, Service, Innovation

Nissan Primastar Van 2006 -

7-Core Entry Point		Longer 7	Core Cable		Bypass Recommer F2302, see SmartC		Other	Rela	y Reco	mend	ed
9 (21 in Estate) Gro	mmet in floor										
Automatic Trailer Fl	asher Monitor	Reversing	g Sensor		Cut Out Switch, e	etc.	Mfr's	Towi	ng Plug	g	
							19				
ind Constant Live					Find Ignition-Swi	tched Live					
Colour:					Colour:						
Location: Battery					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	n		Route to Battery			Fusebox L	ocation				
9			Under chassis								
Choose power	er source careful	ly. On cars	with power manag	jement (ID	by battery condition	n in display	do not	go to	the ba	attery	
Fitting times, etc. N	lotes									-	
							-				
Wire positions	and connection i										
		oints etc a	are given. Use prob	e to identif	v correct wire in lo	cation.					
i ilese i			are given. Use prob elay. For TF2302 Sı					1	2	3	•
		g bypass r		martCAN, s	ee SmartCAN Data		- I	4	5	3	I
Lights LH Flasher	Vehicle Wire C	g bypass r	elay. For TF2302 Si	martCAN, s	ee SmartCAN Data	1	-			3 6 9	
Lights LH Flasher	Vehicle Wire C	g bypass r	elay. For TF2302 Si	martCAN, s	ee SmartCAN Data	1		4	5	3 6 9	
Lights	Vehicle Wire C	g bypass r	elay. For TF2302 Si	martCAN, s	ee SmartCAN Data	1		7	5	6	
Lights LH Flasher Fog Light	Vehicle Wire C Grey Grey	g bypass r	elay. For TF2302 Si	martCAN, s	ee SmartCAN Data	1		10	5 8 11	9 12	
Lights LH Flasher Fog Light RH Flasher	Vehicle Wire C Grey Grey White	g bypass r	elay. For TF2302 Si	martCAN, s	ee SmartCAN Data	1		7	5	6	
Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire C Grey Grey White Blue	g bypass r	elay. For TF2302 Si	martCAN, s	ee SmartCAN Data	1		10	5 8 11	9 12	

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Brake Light

Reverse

LH Side Light

Red/green

Green/white

Red/blue

7-Core Entry Point	Longer 7	7 Core Cable	If ·	Bypass Recomme FP2302, see Smart0		Othe	r Rela	y Reco	omende
9 Grommet			None						
Automatic Trailer Flashe	r Monitor Reversir	ng Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	g
~									
ind Constant Live				Find Ignition-Sw	itched Live	·			
Colour:				Colour:					
Location:				Location:					
Add Fuse:				Add Fuse:					
Best Wiring Location		Route to Batter	ry		Fusebox I	Location	<u> </u>		
9 Lamp		Grommet under	fuel filter						
Choose power so	urce carefully. On car	s with power man	agement (ID	by battery condition	on in displa	y) do no	t go to	the b	attery.
Fitting times, etc. Notes									
	connection points etc relate fitting bypass						1	2	3
Lights Ve	hicle Wire Colours	Alternati	ve	ı	_ocation		7	8	9
LH Flasher Gr	een/black	Thin			19		\vdash		-
Fog Light Re	ed/green	Thicker w	/ire		21		10	11	12
RH Flasher Gr	een/yellow				21		$\vdash \vdash$		\square
RH Side Light Re	ed/blue				21		13	14	15

19

19

19

17

Thin

Quality, Service, Innovation

Nissan Qashqui 4WD 2007 -

7-Core Entry Point		Longer 7	' Core Cable	If	Bypass Recomn TF2302, see Smar		Othe	er Rela	y Rec	omende
Automatic Trailer Fl	lasher Monitor	Reversin	ng Sensor		Cut Out Switch	, etc.	Mfr's	s Towi	ng Plu	g
✓										
Find Constant Live					Find Ignition-S	witched Live				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Locatio	on		Route to Batter	у		Fusebox L	_ocatior	1		
19										
Choose power Fitting times, etc. N		lly. On cars	s with power man	agement (I	D by battery condi	tion in display	y) do no	ot go to	o the b	attery.
These	notes relate fittir	ng bypass i	relay. For TF2302	SmartCAN	tify correct wire in , see SmartCAN Da	ata		1 4	2	3
Lights	Vehicle Wire	Colours	Alternativ	/e		Location		7	8	9
LH Flasher	Brown									
Fog Light	Yellow							10	11	12
RH Flasher	Green									\vdash
RH Side Light	Red/blue							13	14	15
Brake Light	Red/white									
LH Side Light	Red/blue							16	17	18
Reverse							_	1		

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Core Entry Point		Longer 7 C	ore Cable	If -	Bypass Recomme F2302, see SmartC	nded AN data	Other R	elay Red	comende
				None					
utomatic Trailer Fl	asher Monitor	Reversing	Sensor		Cut Out Switch, 6	tc.	Mfr's To	wing Pl	ug
✓									
nd Constant Live					Find Ignition-Swi	tched Live			
Colour:					Colour:				
Location: Battery					Location:				
Add Fuse:					Add Fuse:				
aat Wiring Laastie			Doute to Potton			Fusebox L	e e e tien		
est Wiring Location	on		Route to Battery Grommet @ 12	<u> </u>		Dash, R/H			
itting times, etc. N		y. On cars v	vitii power mana	igement (iL	by battery condition	ii iii dispiay	, do not go	, to the	Jailer y.
		ooints etc ar							
Lights	Vehicle Wire C			SmartCAN,	ify correct wire in lo see SmartCAN Data			5	6
Lights LH Flasher			ay. For TF2302 \$	SmartCAN,	see SmartCAN Data	1		5	3 6 9
	Vehicle Wire C		ay. For TF2302 \$	SmartCAN, e	see SmartCAN Data	1	- E	5	6
LH Flasher	Vehicle Wire C		Alternativ	SmartCAN, e	see SmartCAN Data	1		5	6 9
LH Flasher Fog Light	Vehicle Wire C Green/black Red/black		Alternativ	SmartCAN, e	see SmartCAN Data	1		5 8	6 9
LH Flasher Fog Light RH Flasher	Vehicle Wire C Green/black Red/black Green/yellow		Alternativ	SmartCAN, e	see SmartCAN Data	1	1	5 8	6 9
LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire C Green/black Red/black Green/yellow Red/blue		Alternativ	SmartCAN, e	see SmartCAN Data	ocation	1	5 8 1 11	6 9

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7-Core Entry Point		Longer 7 (Core Cable	If T	Bypass Recomme F2302, see SmartC		Othe	r Rela	y Reco	meno	led
				None							
Automatic Trailer Fla	sher Monitor	Reversing	Sensor		Cut Out Switch,	etc	Mfr's	Towi	ng Plu	a	
		Reversing			Cut Gut Gunton,		No	1011		<u> </u>	
Find Constant Live					Find Ignition-Sw	itched Live					
					Colour:						
Colour:											
Location: Battery					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	<u> </u>		Route to Batter	v		Fusebox L	ocation				
16,19 by jack			Grommet @ 12	•		Dash, R/H	(12)				
Choose power	r source careful	lv. On cars	with power man	agement (ID	by battery condition	n in display) do no	t ao t	o the b	atterv	
Fitting times, etc. No		.,					,	. 90 .			-
Titting times, etc. 140	ole 3										
Wire positions a			e given. Use pro	she to identif					2	3	
i nese n		a bypaca ra						1			
	oles relate littili	g bypass re			see SmartCAN Data		_ [-		6	
Lights	Vehicle Wire (SmartCAN,	see SmartCAN Data			4	5	6	
Lights LH Flasher			lay. For TF2302	SmartCAN,	see SmartCAN Data	a		4	5	6	
_	Vehicle Wire 0		lay. For TF2302	SmartCAN,	see SmartCAN Data	a		4	5	6 9	
LH Flasher	Vehicle Wire (lay. For TF2302	SmartCAN,	see SmartCAN Data	a		4	5	6	
LH Flasher Fog Light	Vehicle Wire (Green/black Orange		lay. For TF2302	SmartCAN,	see SmartCAN Data	a		4	5	6	
LH Flasher Fog Light RH Flasher	Vehicle Wire C Green/black Orange Green/yellow		lay. For TF2302	SmartCAN,	see SmartCAN Data	a		4 7 10	5 8 11	9	
LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire (Green/black Orange Green/yellow Red/blue		lay. For TF2302	SmartCAN,	see SmartCAN Data	a .ocation		4 7 10	5 8 11	9	

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Car Data Sheet Nissan Tino All 2000 -

7-Core Entry Point		Longer 7	Core Cable	ı	Bypass Recom f TF2302, see Sma		Other	Rela	y Rec	omeno	bet
19				None							
Automatic Trailer Flasl	her Monitor	Reversin	g Sensor		Cut Out Switc	h, etc.	Mfr's	Towi	ng Plu	ıg	
✓											
Find Constant Live		I .			Find Ignition-S	Switched Live	<u> </u>				
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location			Route to Ba	nttery	1	Fusebox I	_ocation				
			Grommet LF	d bulkhead							
Choose power s	source careful	y. On cars	with power r	management (ID by battery cond	lition in display	y) do not	go to	o the b	attery	·.
Fitting times, etc. Note	es										
Wire positions and These not					ntify correct wire in			1	2	3	L
Lights	Vehicle Wire C	olours	Alteri	native		Location	▔▐	7	5	6	ł
LH Flasher	Green/black		Greer	1						,	-
Fog Light	Red/black							10	11	12	
RH Flasher	Green/yellow		Green	ı							-
RH Side Light	Red/blue		Greer	n/white				13	14	46	

Green/lime

Green/white

Blue/red

17

19

Brake Light

Reverse

LH Side Light

Red/green

Green/white

Red/blue

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		Longer 7	Core Cable	If T	Bypass Recommer F2302, see SmartC		Other Re	lay Rec	omen	ded
og light					ters use 7-way _OGIC/2218					
utomatic Trailer Fl	lasher Monitor	Reversing	g Sensor		Cut Out Switch, e	etc.	Mfr's To	wing Pl	ug	
ind Constant Live					Find Ignition-Swi	tched Live				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
est Wiring Location	on		Route to Batte			Fusebox L	ocation_			
Choose power	er source careful	lly. On cars	with power mai	nagement (ID	by battery condition	n in display	y) do not go	to the	battery	<i>1</i> .
Choose power itting times, etc. N		lly. On cars	with power man	nagement (ID	by battery conditio	on in display	y) do not go	to the	battery	/.
Fitting times, etc. N	lotes	points etc a	are given. Use pi	robe to identi	by battery condition	cation.	1	2	battery	·.
Fitting times, etc. N	lotes	points etc a	are given. Use pi	robe to identi 2 SmartCAN, s	fy correct wire in lo see SmartCAN Data	cation.				
Wire positions These	and connection protes relate fittin	points etc a	are given. Use pi elay. For TF2302	robe to identi 2 SmartCAN, s	fy correct wire in lo see SmartCAN Data	ocation.	1 4	2 5		/.
Wire positions These	and connection potes relate fittin	points etc a	are given. Use pi elay. For TF2302	robe to identi 2 SmartCAN, s	fy correct wire in lo see SmartCAN Data	ocation.	1 4	2 5 8		/ <u>.</u>
Wire positions These	and connection protes relate fittin Vehicle Wire C	points etc a	are given. Use pi elay. For TF2302	robe to identi 2 SmartCAN, s	fy correct wire in lo see SmartCAN Data	ocation.	4 7	2 5 8	3 6 9	
Wire positions These	and connection protes relate fittin Vehicle Wire C Green/black Blue/pink	points etc a	are given. Use pi elay. For TF2302	robe to identi 2 SmartCAN, s	fy correct wire in lo see SmartCAN Data	ocation.	4 7	2 5 8	3 6 9	
Wire positions These Lights LH Flasher Fog Light RH Flasher	and connection protes relate fittin Vehicle Wire Congression Green/black Blue/pink Green/yellow	points etc a	are given. Use pi elay. For TF2302	robe to identi 2 SmartCAN, s	fy correct wire in lo see SmartCAN Data	ocation.	10	2 5 8	3 6 9	
Wire positions These Lights LH Flasher Fog Light RH Flasher RH Side Light	and connection protes relate fittin Vehicle Wire Congreen/black Blue/pink Green/yellow Red/blue	points etc a	are given. Use pi elay. For TF2302	robe to identi 2 SmartCAN, s	fy correct wire in lo see SmartCAN Data	ocation.	10	2 5 8 11	3 6 9	

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-Core Entry Point		Longer 7 (Core Cable		Bypass Recommer F2302, see SmartC		Other	Rela	y Reco	meno	led
9		2m		TF1152 (or TF1155		TF22	18/7S	MARTI	OGIC	,
utomatic Trailer F	asher Monitor	Reversing	Sensor		Cut Out Switch, e	etc.	Mfr's	Towi	ng Plu	a	
		3							e jack		
ind Constant Live					Find Ignition-Swi	tched Live					
Colour: Brown					Colour:						
Location: 12					Location:						
Add Fuse:					Add Fuse:						
Sest Wiring Location	on		Route to Battery			Fusebox L	ocation				
Choose power	er source careful	ly. On cars	with power manag	gement (ID	by battery conditio	n in display) do not	go to	the b	attery	
Fitting times, etc. N	lotes										
		oints etc a									
	notes relate fittin				y correct wire in lo ee SmartCAN Data			1	2	3	
Lights	Vehicle Wire C	g bypass re		martCAN, s	ee SmartCAN Data			4	5	6	
		g bypass re	lay. For TF2302 Si	martCAN, s	ee SmartCAN Data	I				6 9	
Lights	Vehicle Wire C	g bypass re	lay. For TF2302 Si	martCAN, s	ee SmartCAN Data	ocation		4	5	3 6 9	
Lights LH Flasher	Vehicle Wire C	g bypass re	lay. For TF2302 Si	martCAN, s	L M	ocation ultiblock		7	5	6 9	
Lights LH Flasher Fog Light	Vehicle Wire C Brown Orange	g bypass re	lay. For TF2302 Si	martCAN, s	L M M	ocation ultiblock ultiblock		7	5	6 9	
Lights LH Flasher Fog Light RH Flasher	Vehicle Wire C Brown Orange Grey	g bypass re	lay. For TF2302 Si	martCAN, s	L M M M M	ocation ultiblock ultiblock ultiblock		10	5 8 11	6 9	
Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire C Brown Orange Grey Red	g bypass re	lay. For TF2302 Si	martCAN, s	L M M M M M	ocation ultiblock ultiblock ultiblock ultiblock		10	5 8 11	6 9	

Quality, Service, Innovation

-Core Entry Point		Longer 7 (Core Cable	If TI	Bypass Recommer F2302, see SmartC	ided AN data	Other Re	lay Rec	omende
				TF2218/7	7SMARTLOGIC				
Automatic Trailer F	lasher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's To	wina Plı	ıa
					,				-J
ind Constant Live					Find Ignition-Swit	ched Live			
Colour:					Colour:				
Location: Fusebox					Location:				
Add Fuse:	^				Add Fuse:				
Add i use.					Add 1 d3C.				
Best Wiring Location	on		Route to Battery			Fusebox Lo	cation		
1 lamp						Under dash	10		
Choose now	er source careful	v On care	with nower manag	ament (ID	by battery conditio	n in dienlav)	do not ao	to the k	attory
	er source carerur	y. On cars	with power manag	enient (ib	by battery condition	ii iii uispiay <i>j</i>	do not go	to the t	allei y.
	1-1								
Fitting times, etc. N	Notes								
-itting times, etc. I	Votes								
-itting times, etc. I	Notes								
Wire positions	and connection p				y correct wire in lo				
Wire positions	and connection p				y correct wire in lo ee SmartCAN Data		1	2	3
Wire positions	and connection p	g bypass re			ee SmartCAN Data		4	5	3 6
Wire positions These	and connection p	g bypass re	lay. For TF2302 Sn		ee SmartCAN Data				3 6 9
Wire positions These	and connection p notes relate fitting Vehicle Wire C	g bypass re	lay. For TF2302 Sn		ee SmartCAN Data		4	5	3 6 9
Wire positions These Lights LH Flasher	and connection protes relate fitting Vehicle Wire Contents White	g bypass re	lay. For TF2302 Sn		ee SmartCAN Data		4	5	6 9
Wire positions These Lights LH Flasher Fog Light	and connection p notes relate fitting Vehicle Wire C White Red	g bypass re	lay. For TF2302 Sn		ee SmartCAN Data		10	5	6 9
Wire positions These Lights LH Flasher Fog Light RH Flasher	and connection protes relate fitting Vehicle Wire Control White Red Green	g bypass re	lay. For TF2302 Sn		ee SmartCAN Data		4	5 8	6 9
Wire positions These Lights LH Flasher Fog Light RH Flasher RH Side Light	and connection protes relate fitting Vehicle Wire Control White Red Green Red	g bypass re	lay. For TF2302 Sn		ee SmartCAN Data		10	5 8	6 9

Quality, Service, Innovation

7-Core Entry Point		Longer 7 (Core Cable		Bypass Recomme - -2302, see Smart(Other	Rela	y Reco	mended
21				None						
Automatic Trailer F	lasher Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	na Plu	
					, and the second				·9 · ···	<u> </u>
Find Constant Live					Find Ignition-Sw	itched Live				
						RONCO EIVO				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Location	on		Route to Battery			Fusebox Lo	cation			
						Glove box (g	romme	t behi	nd)	
Choose pow	er source careful	ly. On cars	with power manage	ement (ID	by battery conditi	on in display)	do not	go to	the b	attery.
Fitting times, etc. I				•		. ,,				
1 1111119 1111100, 0101	10.00									
			re given. Use probe lay. For TF2302 Sm					1	2	3
These	Tiolog Tolato Iltili	g bypass ic	ay. 1 01 11 2002 011	iai torit, s	cc ciliai toali bat	·u		$\overline{}$	5	
Limbto							- 8	4		
Lights	Vehicle Wire C	colours	Alternative			Location	┇┋	7	8	9
LH Flasher	Vehicle Wire C	Colours	Alternative Pin 5			Location	▋	\rightarrow		9
		Colours				Location		\rightarrow		9
LH Flasher	Red	colours	Pin 5			Location		7	8	
LH Flasher Fog Light	Red Red	Colours	Pin 5 Pin 6			Location		7	8	
LH Flasher Fog Light RH Flasher	Red Red Green	Colours	Pin 5 Pin 6 Pin 3			Location		10	11	12
LH Flasher Fog Light RH Flasher RH Side Light	Red Red Green White	Colours	Pin 5 Pin 6 Pin 3 Pin 5			Location		10	11	12

Quality, Service, Innovation

Pink

Red

Yellow

Brake Light

Reverse

LH Side Light

7-Core Entry Point		Longer 7 C	ore Cable		Bypass Recommer		Othe	r Rela	y Reco	omeno	led
				IT II	F2302, see SmartC	AN data					
				See note	below						
Automatic Trailer Fla	asher Monitor	Reversing	Sensor		Cut Out Switch, e	etc.	Mfr's	Towi	ng Plu	g	
										_	
Find Constant Live					Find Ignition-Swi	tched Live	<u>'</u>				
Colour: Black					Colour: Blac	k					
Location: 19					Location: 19 la	ımp					
Add Fuse: 15					Add Fuse:						
Best Wiring Location	1		Route to Battery	,		Fusebox L	ocation	1			
Chassa		0					.\ .l	4 4	- 4l l-	-44	
		y. On cars v	vitti power mana	igement (ib i	by battery condition	n in dispiay) do no	t go t	o the b	attery	·
Fitting times, etc. No Modulated supply: Oc		tinlexed Ide	ntify by extra inte	rnal central lo	ncking switch on das	sh On some	version	s at le	ast the		
					the engine is runnir		VCIOIOI	io at ic	aot, tric	•	
Wire positions a	and connection n	ointe etc ar	e given Use pro	ha ta idantifi	y correct wire in lo	cation					
					ee SmartCAN Data			1	2	3	_
Lights	Vehicle Wire C	olours	Alternativ	e	L	ocation		4	5	6	
LH Flasher	White							7	8	9	•
Fog Light	Light blue							10	11	12	
RH Flasher	Mustard		Red								
RH Side Light	Red		White					13	14	45	

Ryder Towing Equipment Ltd **Quality, Service, Innovation**

LH Side Light

Reverse

Light green

Green

Peugeot 207 SW Hatchback 2007 -

19 lamp

21

7-Core Entry Point		Longer 7 C	ore Cable		Bypass Recomme F2302, see SmartC		Othe	r Rela	y Reco	omende
				TF2218/7	7SMARTLOGIC		TF22	18/7S	MARTI	LOGIC
					,					
Automatic Trailer Fl	asher Monitor	Reversing	Sensor		Cut Out Switch, e	etc.	Mfr's	Towi	ng Plu	g
Find Constant Live					Find Ignition-Swi	tched Live	·			
Colour: Black					Colour:					
Location: Fusebox	,				Location:					
Add Fuse:	`				Add Fuse:					
Best Wiring Locatio	n		Route to Battery			Fusebox L	ocation			
(21)	or course careful	ly. On care y	vith nower mana	goment (ID)	by battery condition	Glove box) do no	t ao ta	tha h	attory
Fitting times, etc. N		iy. On cars v	illi powei illalia	gement (ID	by battery condition	on in display) do no	ı go ic	ille D	allery.
1.5 hrs	10103									
					y correct wire in Ic ee SmartCAN Data			1 4	2	3
Lights	Vehicle Wire C	Colours	Alternative	•	L	ocation		7	8	9
LH Flasher	Blue					19		 	-	
Fog Light	Lilac					21		10	11	12
RH Flasher	Red		Yellow			21		\vdash		
RH Side Light	Blue					21		13	14	15
Brake Light	White		Brown			21		il		

Green

White

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Quality, Service, Innovation

		Longer 7	Core Cable		Bypass Recommend F2302, see SmartCA		Other Re	elay Rec	omende
Fog-light gromme	t			None					
ıtomatic Trailer F	lasher Monitor	Reversing	g Sensor		Cut Out Switch, etc	.	Mfr's To	wing Plu	ıg
					·				
nd Constant Live	1				Find Ignition-Switc	hed Live			
Colour:					Colour:				
Location: 21					Location:				
Add Fuse: Yes					Add Fuse:				
est Wiring Location			Route to Battery		 	Fusebox L	tion		
est willing Location	<i>/</i> 11		Route to Battery	·	•	usebox L	ocation		
Chaosa naw	ar caurea carafully	. On care	with newer mana	goment (ID	by battory condition	in display	\ do not ac	to the b	attory
		/. On cars	with power mana	gement (ID	by battery condition	in display) do not go	to the b	oattery.
Choose power itting times, etc. N		/. On cars	with power mana	igement (ID	by battery condition	in display) do not go	to the k	oattery.
		/. On cars	with power mana	igement (ID	by battery condition	in display) do not go	to the k	oattery.
		/. On cars	with power mana	igement (ID	by battery condition	in display) do not go	to the k	pattery.
itting times, etc. N	Notes	oints etc a	ire given. Use pro	be to identi	y correct wire in loc				
itting times, etc. N	Notes	oints etc a	ire given. Use pro	be to identi			1	2	pattery.
itting times, etc. N	Notes	oints etc a	ire given. Use pro	be to identii SmartCAN, s	y correct wire in locatee SmartCAN Data		1 4	2 5	3 6
Wire positions These	and connection ponotes relate fitting	oints etc a	ire given. Use pro elay. For TF2302 S	be to identii SmartCAN, s	y correct wire in locatee SmartCAN Data	ation.	1	2	
Wire positions These	and connection ponotes relate fitting	oints etc a	ire given. Use pro elay. For TF2302 S	be to identii SmartCAN, s	y correct wire in locatee SmartCAN Data	ation.	1 4	2 5 8	3 6
Wire positions These	and connection ponotes relate fitting Vehicle Wire Connection	oints etc a	ire given. Use pro elay. For TF2302 S	be to identii SmartCAN, s	y correct wire in locatee SmartCAN Data	ation.	1 4 7	2 5 8	3 6 9
Wire positions These Lights LH Flasher Fog Light	and connection ponotes relate fitting Vehicle Wire Convenience Yellow Light yellow	oints etc a	ire given. Use pro elay. For TF2302 S	be to identii SmartCAN, s	y correct wire in locatee SmartCAN Data	ation.	1 4 7	2 5 8	3 6 9
Wire positions These Lights LH Flasher Fog Light RH Flasher	and connection ponotes relate fitting Vehicle Wire Convenience Yellow Light yellow Red	oints etc a	ire given. Use pro elay. For TF2302 S	be to identii SmartCAN, s	y correct wire in locatee SmartCAN Data	ation.	1 4 7 10	2 5 8	3 6 9
Wire positions These Lights LH Flasher Fog Light RH Flasher RH Side Light	and connection ponotes relate fitting Vehicle Wire Convenience Yellow Light yellow Red Red	oints etc a	ire given. Use pro elay. For TF2302 S	be to identii SmartCAN, s	y correct wire in locatee SmartCAN Data	ation.	1 4 7 10	2 5 8 11 14	3 6 9

Quality, Service, Innovation

7-Core Entry Point		Longer 7	Core Cable	ŀ		s Recommer see SmartC		Othe	r Rela	y Reco	omeno	ied
				None								
Automatic Trailer F	lasher Monitor	Reversin	g Sensor		Cut C	out Switch, e	etc.	Mfr's	Towi	ng Plu	a	
		- NOVOIGIII	9 0011001		July	out outlon, c				9	ອ	
Find Constant Live					Find	Ignition-Swi	tched Live					
Colour:						Colour:						
Location:						cation:						
Add Fuse:						d Fuse:						
7.00 1 000.												
Best Wiring Location	on		Route to Batt	ery			Fusebox L	ocatior	1			
Choose pow	er source careful	lly. On cars	s with power ma	anagement (ID by bate	ery condition	n in display) do no	t go t	o the b	attery	
Fitting times, etc. N	Notes											
Wire positions	and connection	points etc :	are given. Use ı	orobe to ide	ntify corre	ect wire in lo	cation.					1
	notes relate fittin								1	2	3	-
Lights	Vehicle Wire (Colours	Alterna	itive		L	ocation		4	5	6	
LH Flasher	Yellow							_	7	8	9	-
Fog Light	Light yellow								10	11	12	
RH Flasher	Red								\vdash			
RH Side Light	Red								13	14	15	
								_			1	á.
Brake Light	Brown								1			
	Brown								16	17	18	

Quality, Service, Innovation

7-Core Entry Point	Longer 7 C	Core Cable		Bypass Recommer 2302, see SmartC		Othe	r Rela	y Reco	omeno	led
19 Grommet			TF2218/7	SMARTLOGIC						
Automatic Trailer Flasher Monitor	Reversing	Sensor	111	Cut Out Switch, e	etc.	Mfr's	Towi	ng Plu	g	
Find Constant Live				Find Ignition-Swi	tched Live					
Colour: Blue				Colour:						
Location: 19 by interior lamp				Location:						
Add Fuse: Slot 10, 15amp				Add Fuse:						
Post Wining Logation		Davita ta Battani			Fusebox Lo					
Best Wiring Location		Route to Battery			rusebox Lo	Cation				
Choose power source carefull	y. On cars v	with power manage	ement (ID I	by battery condition	n in display)	do no	t go to	the b	attery	<u> </u>
Fitting times, etc. Notes										
RH tail fuse 12, 10amp protects other v	ital circuits	bypass this circuit. C	Other fuses	Fog 1 15amp; Bra	ke 5 15amp; L	.H tail :	22 10a	amp.		
7-core entry: Station Wagon, through gr	ommet und	er bumper. 2003HB:	through nu	ımber plate light gro	ommet.					
Reverse sensor on estate does not see	towball or b	ike plate								
Wire positions and connection p	ointe oto ar	o givon Heo probo	to identify	, correct wire in le	eation					
These notes relate fitting							1	2	3	
Lights Vehicle Wire C	olours	Alternative		L	ocation	7	4	5	6	
LH Flasher Brown		Pink				_	7	8	9	
Fog Light Grey		Brown					10	11	12	
RH Flasher Red		Blue								
RH Side Light Grey		Purple					13	14	15	
Brake Light Blue		Green								
LH Side Light Blue		White					16	17	18	
Reverse Yellow		Lilac					19	20	21	

Quality, Service, Innovation

Reverse

Blue

Peugeot 307 Hatchback Oct 2005 -

7-Core Entry Point		Longer 7 C	ore Cable		Bypass Recommer F2302, see SmartC		Other	Rela	y Reco	omend
				Sidelight	only? TF1013					
Automatic Trailer FI	asher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's	Towi	ng Plu	g
Find Constant Live					Find Ignition-Swi	tched Live				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
Add 1 d3C.					71001 000.					
Best Wiring Locatio	n		Route to Battery			Fusebox L	ocation			
Fitting times, etc. N		ily. Oli cars v	with power manage	ement (ID	by battery conditio	п п спэріаў	,, 40 1101	. go u	o tile b	attery.
Warning: avoid unplu										
Power supply: red wi	re at 19; has to be	e connected in	n fusebox.							
These r	notes relate fittir	ng bypass rel	ay. For TF2302 Sn		y correct wire in lo see SmartCAN Data	1	_	1 4	2	3 6
Lights	Vehicle Wire	Colours	Alternative		L	ocation		7	8	9
LH Flasher	Brown						-	10	11	12
Fog Light	Mustard							10	-11	"
RH Flasher	Red						-			\Box
RH Side Light	Green						╛	13	14	15
Brake Light	Purple						- 1			
LH Side Light	Mustard				1					

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Quality, Service, Innovation

LH Side Light

Reverse

Cream

Brown

ar Data Snee	; L					Γ'	euge	UL J	01 3	VV 2U	
-Core Entry Point		Longer 7 C	ore Cable	Bypass Recommended If TF2302, see SmartCAN data			Other	Other Relay Recomend			
9 (21 in Estate) Gro	mmet in floor										
Automatic Trailer F	tomatic Trailer Flasher Monitor Reversin		sing Sensor		Cut Out Switch, etc.		Mfr's Towing Plug				
ind Constant Live					Find Ignition-Swi	tched Live					
Colour: Red			Colour:								
Location: 19					Location:						
Add Fuse: Connec	t red into fusebox				Add Fuse:						
Best Wiring Location	on		Route to Battery			Fusebox Location					
Choose now	er source careful	ly On cars w	vith power managen	ment (ID h	v hattery conditio	n in disnlav	r) do not	t ao ta	the h	atterv	
Fitting times, etc. N		.y. 011 0010 1	man power manager	nent (ib c	y battery contains	iii ulopiay	, 40 110	. go .c	- 110 5	uttory.	
Connect heavy red in		g power to 19)								
			e given. Use probe t ay. For TF2302 Sma					1	2	3	
Lights	Vehicle Wire C	olours	Alternative		L	ocation		7	5	9	
LH Flasher	Brown		1 of 2			19	•	,	8	,	
Fog Light	Cream or Pink					19		10	11	12	
RH Flasher	Red					19					
RH Side Light	Green					19		13	14	15	
Brake Light	Purple					19					

1 of 2

19

Quality, Service, Innovation

Peugeot 307HDI Estate 2002 -

7-Core Entry Point		Longer 7	Core Cable	I	Other Rel	Other Relay Recomended				
Mfr. Grommet				3-way	: Side lights o	nly				
Automatic Trailer Flasher Monitor Find Constant Live Colour: Location: behind rear panel Add Fuse: Best Wiring Location			ing Sensor Cut Out Switch, etc.				Mfr's Towing Plug			
			<u>, </u>			,		<u> </u>	<u> </u>	-
Find Constant Live					Find Iani	tion-Switched Live				
Colour					Cold					
	rear nanel				Locati					
	real pariel				Add Fu					
Add I use.					Addit					
Best Wiring Location	fr. Grommet utomatic Trailer Flasher Monitor Ind Constant Live Colour: Location: behind rear panel Add Fuse: est Wiring Location Choose power source carefully. On cars with power itting times, etc. Notes Wire positions and connection points etc are given. Us These notes relate fitting bypass relay. For TF: Lights Vehicle Wire Colours Alte LH Flasher Pink Fog Light Brown RH Flasher Blue RH Side Light Lilac Bypa Brake Light Blue LH Side Light White Bypa		Route to Batter	у		Fusebox L	ocation			
19										
Choose pow	er source careful	ly. On cars	with power man	agement (ID by battery	condition in display	/) do not go	o the b	attery.	
			·							
							_ 1	2	3	_
							4	5	6	
		colours	Alternativ	Alternative		Location		8	9	
	1									
							10	11	12	
							_		\vdash	
			Bypass	Bypass			13	14	15	_
Brake Light	Blue									
LH Side Light	White		Bypass				16	17	18	
Reverse	Brown	1							_	

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Quality, Service, Innovation

LH Side Light

Reverse

Purple

19

Car Data Shee	et				P	eugeot	308 F	latc	hba	ck 2	007		
7-Core Entry Point		Longer 7 (Core Cable	If T	Other	Other Relay Recomended							
19 (21 in Estate) Gro		TF2218/7SMARTLOGIC											
Automatic Trailer F	lasher Monitor	Reversing	Sensor Cut Out Switch, e			tc.	's Towing Plug						
Find Constant Live					Find Ignition-Swit	tched Live							
Colour: Beige					Colour:								
Location: 19			Location:										
Add Fuse: See not	e below		Add Fuse:										
Best Wiring Location	on		Route to Battery		Fusebox			Location					
19 Chance now	or course corefu	lly On core	with nower mana	noment (ID	hy hattary aanditia	n in diaplay) do not		s tha b	ottoni			
Fitting times, etc. N		ny. On cars	with power mana	gement (ID	by battery conditio	n in dispiay) do not	go to	the b	attery.			
Note - Add fuse: Cor		fusebox. Th	is makes the beige	wire at 19 li	ive.vellow								
					- ,								
					y correct wire in lo see SmartCAN Data			1	2	3			
Lights	Vehicle Wire (Colours	Alternative)	L	ocation		4	5	6			
LH Flasher	Yellow					19	-	,	8	,	_		
Fog Light	Yellow					21		10	11	12			
RH Flasher	Blue					21				Ш			
RH Side Light	Green					21		13	14	15			
Brake Light	Blue		Red 21			19							

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Quality, Service, Innovation

7-Core Entry Point		Longer 7	Core Cable		Bypass Recommended If TF2302, see SmartCAN data				y Reco	omende
				TF2218/	TF2218/7SMARTLOGIC					
Automatic Trailer Fl	asher Monitor	Reversing	Sensor		Cut Out Switch,	etc	Mfr's	Towi	ng Plu	<u>п</u>
	uoner memer	rtovoromi	, 0011001		out out ownon,	<u> </u>	18			9
Find Constant Live					Find Ignition-Sw	itched Live				
						iterieu Live				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Locatio	n		Route to Battery			Fusebox Lo	cation	<u> </u>		
Choose power Fitting times, etc. N		ly. On cars	with power manag	ement (ID	by battery conditi	on in display)	do no	t go to	o the b	attery.
			re given. Use prob elay. For TF2302 Sr					1 4	2	3
Lights	Vehicle Wire C	olours	Alternative			Location		7	8	9
LH Flasher	Green/silver do	ts				18			_	-
Fog Light	Turquoise					21		10	11	12
RH Flasher	White/silver					18		\vdash		\square
RH Side Light	Brown					18		13	14	15
Brake Light	Red					18				
LH Side Light	Brown					18		16	17	18
Reverse	White/silver					18		19	20	21

Quality, Service, Innovation

7-Core Entry Point		Longer 7	Core Cable	Bypass Recommended If TF2302, see SmartCAN data				Other Relay Recomend			
				TF2218							
Automatic Trailer F	lasher Monitor	Reversing	s Sensor		Cut Out Switch,	etc.	Mfr's	Towii	na Plu	α	
			,						.g	3	
Find Constant Live					Find Ignition-Sv	vitched Live					
Colour:					Colour:						
Location: 19 lamp					Location:						
Add Fuse: Slot 15,					Add Fuse:						
Add 1 use. Slot 15,	20 amp				Add Fuoc.						
Best Wiring Location	on		Route to Battery			Fusebox Lo	ocation				
19						Dash, R/H (12)				
Choose pow	er source careful	ly. On cars	with power manag	gement (IE	by battery condit	ion in display)	do not	go to	the b	attery.	
Fitting times, etc. N	Notes										
Wire positions	and connection r	sointe ete e	ıre given. Use prob	o to ident	ify correct wire in	loostion	_				
			elay. For TF2302 S					1	2	3	
Lights	Vehicle Wire C	Colours	Alternative	<u> </u>		Location	┑┃	4	5	6	
LH Flasher	Pink	70.04.0	7.11.01.11.01.1			200411011	╴╸	7	8	9	
Fog Light	Pink					16, 19		10	11	12	
RH Flasher	White					-,	- L				
RH Side Light	Green						- [13			
								13	14	15	
Brake Light	Purple										
Brake Light LH Side Light	Purple Yellow						┪	16	17	49	

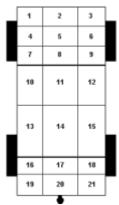
Quality, Service, Innovation

		_ongo: :	Core Cable	If 7	Bypass Recommended If TF2302, see SmartCAN data				y Reco	Jinena	ed
Drill				See not	e below						
Automatic Trailer F	Flasher Monitor	Reversin	g Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	g	
Find Constant Live)	1			Find Ignition-Sw	vitched Live					
Colour:					Colour:						
Location: 19 lam	р				Location:						
Add Fuse: Slot 15	, 20 amp				Add Fuse:						
Best Wiring Locati	on		Route to Batter	ry		Fusebox Lo	ocation	ı			
19			Grommet LH bu	•		Steering col	lumn (u	nder)			
01	ver source carefull	v On care	with nower man	ogomont (ID	by bottom, conditi		امم مم	4 00 40	tha h	atterv	
Choose pov	rei source careiun	y. On cars	s with power man	agement (ib	by battery conditi	ion in display) do no	ı go ıc	ille b	acco. y.	
Fitting times, etc.		y. On car.	s with power man	iagement (ib	by battery conditi	ion in display) do no	i go ic	Tile D	u	
·	Notes		<u> </u>			ion in display	, do no	i go ic) tile b		
Fitting times, etc.	Notes tober 2001: Identify	by new st	alk on dash and lo	om all down	LHS.						
Fitting times, etc. Multiplexed from Oc	Notes stober 2001: Identify monitor. Check for a	by new st	alk on dash and lo	om all down	LHS.						
Fitting times, etc. Multiplexed from Oc Flashers: may auto	Notes stober 2001: Identify monitor. Check for a	by new st	alk on dash and lo	om all down	LHS.						
Fitting times, etc. Multiplexed from Oc Flashers: may auto	Notes stober 2001: Identify monitor. Check for a	by new st	alk on dash and lo	om all down	LHS.						
Fitting times, etc. Multiplexed from Oc Flashers: may auto Bypass: 2001 - Fit T	Notes tober 2001: Identify monitor. Check for a	by new st	alk on dash and lo	oom all down	LHS. tered flash rate if te	est board remo					
Fitting times, etc. Multiplexed from Oc Flashers: may auto Bypass: 2001 - Fit T	Notes stober 2001: Identify monitor. Check for a	by new st audible tor	alk on dash and lone, digital text chec	oom all down	LHS. tered flash rate if te	est board remo					
Fitting times, etc. Multiplexed from Oc Flashers: may auto Bypass: 2001 - Fit T	Notes Stober 2001: Identify monitor. Check for a F2217LOGIC	oints etc	alk on dash and lone, digital text chec	oom all down ck on dash, al obe to identi SmartCAN,	LHS. tered flash rate if te	est board remo		en flas	shing, e	etc	
Fitting times, etc. Multiplexed from Oc Flashers: may auto Bypass: 2001 - Fit T	Notes Itober 2001: Identify monitor. Check for a F2217LOGIC and connection p notes relate fitting	oints etc	ralk on dash and lo ne, digital text chec are given. Use pro relay. For TF2302	oom all down ck on dash, al obe to identi SmartCAN,	LHS. tered flash rate if te	est board remo		en flas	shing, e	etc	
Fitting times, etc. Multiplexed from Oc Flashers: may auto Bypass: 2001 - Fit T Wire positions These Lights LH Flasher	Notes tober 2001: Identify monitor. Check for a F2217LOGIC and connection p notes relate fitting	oints etc	ralk on dash and lo ne, digital text chec are given. Use pro relay. For TF2302	oom all down ck on dash, al obe to identi SmartCAN,	LHS. tered flash rate if te	est board remo		en flas	shing, e	etc	
Fitting times, etc. Multiplexed from Oc Flashers: may auto Bypass: 2001 - Fit T Wire positions These Lights	Notes stober 2001: Identify monitor. Check for a F2217LOGIC and connection p notes relate fitting Vehicle Wire C	oints etc	are given. Use prorelay. For TF2302	oom all down ck on dash, al obe to identi SmartCAN,	LHS. tered flash rate if te	est board remo		en flas	2 5 8	etc 3	
Fitting times, etc. Multiplexed from Oc Flashers: may auto Bypass: 2001 - Fit T Wire positions These Lights LH Flasher Fog Light	Notes Itober 2001: Identify monitor. Check for a F2217LOGIC and connection p notes relate fitting Vehicle Wire C Pink White	oints etc	are given. Use prorelay. For TF2302 Alternative	oom all down ck on dash, al obe to identi SmartCAN,	LHS. tered flash rate if te	est board remo		en flas	2 5 8	3 6 9	
Fitting times, etc. Multiplexed from Oc Flashers: may auto Bypass: 2001 - Fit T Wire positions These Lights LH Flasher Fog Light RH Flasher	notes tober 2001: Identify monitor. Check for a F2217LOGIC and connection p notes relate fitting Vehicle Wire C Pink White Beige	oints etc	are given. Use prelay. For TF2302 Alternative Red Yellow	oom all down ck on dash, al obe to identi SmartCAN,	LHS. tered flash rate if te	est board remo		en flas	2 5 8	etc 3	
Fitting times, etc. Multiplexed from Oc Flashers: may auto Bypass: 2001 - Fit T Wire positions These Lights LH Flasher Fog Light RH Flasher RH Side Light	Notes Itober 2001: Identify monitor. Check for a F2217LOGIC and connection p notes relate fitting Vehicle Wire C Pink White Beige Green	oints etc	are given. Use prorelay. For TF2302 Alternative Red Yellow Pink	oom all down ck on dash, al obe to identi SmartCAN,	LHS. tered flash rate if te	est board remo		en flas	2 5 8	3 6 9	

Quality, Service, Innovation

Car Data She	ar Data Sheet					P	euge	ot 4	107	All 2	2004 -	
7-Core Entry Poir	nt	Longer 7 (Core Cable	If ·	Bypass Recommended If TF2302, see SmartCAN data			Other Relay Reco			ded	
Grommet, wheel w	vell			TF2218	TF2218/7SMARTLOGIC							
Automatic Trailer	r Flasher Monitor	Reversing	Sensor		Cut Out Switch, etc.			Mfr's Towing Plug				
		<u> </u>								<u> </u>		
Find Constant Liv	ve				Find Ignition-Sw	vitched Live						
Colour: Blue					Colour:							
Location: Fusel	box				Location:							
Add Fuse: EC2					Add Fuse:							
Best Wiring Loca	ntion		Route to Battery			Fusebox Lo	cation					
19						Boot LHS 16	/19					
Choose po	ower source carefu	ılly. On cars	with power mana	gement (IC	by battery condition	ion in display)	do not	go to	the b	attery	/.	
Fitting times, etc	. Notes											
Fault condition: If y minutes - car will r	you disconnect the reset.	rear clusters,	the indicators will t	fail to work	when you connect a	again. Power do	wn, loc	k car	and le	ave fo	or 10	
	ns and connection se notes relate fitti							1	2	3	L	
Lights	Vehicle Wire	Colours	Alternative	•		Location		7	5	9	ł	
LH Flasher	Green						•	-			▝	
Fog Light	Grev		2005 Est: F	Red	; 16 wa	v plua in top of	fı	10	11	12		

Vehicle Wire Colours	Alternative	Location
Green		
Grey	2005 Est: Red	: 16 way plug in top of fo
White		
Brown		21
White		
Orange	Brown	
Yellow	Grey	21
	Green Grey White Brown White Orange	Green Grey 2005 Est: Red White Brown White Orange Brown



Quality, Service, Innovation

-Core Entry Point		Longer 7 C	ore Cable		Bypass Recomme F2302, see SmartC		Other	Rela	y Reco	mend
				TF2218/7	'SMARTLOGIC					
utomatic Trailer F	lasher Monitor	Reversing	Sensor		Cut Out Switch, e	etc.	Mfr's	Γοwir	na Plu	n
	idoner monitor	reversing	0011001		out out ownon, c				ig i iu	9
ind Constant Live					Find Ignition-Swi	tched Live				
Colour:					Colour:					
Location: 19 lamp	.				Location:					
Add Fuse: Slot 21,					Add Fuse:					
	· · · · · · · · · · · · · · · · · · ·					I				
Sest Wiring Location 9/21	on		Route to Battery			Fusebox Lo Steering colu		der)		
Choose pow- Fitting times, etc. N		ly. On cars v	with power manage	ement (ID	by battery condition	n in display)	do not	go to	the b	attery.
		g bypass rel	e given. Use probe ay. For TF2302 Sm		ee SmartCAN Data			1 4	2	3
LH Flasher	Yellow						▍▀▍	7	8	9
Fog Light	Red				19 hir	ige grommet		10	11	12
Fog Light RH Flasher	Red Pink				19 hir	ige grommet		10	11	12
					19 hir	ge grommet				
RH Flasher	Pink				19 hir	ge grommet		13	14	12
RH Flasher RH Side Light	Pink Beige				19 hir	ge grommet				

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Reverse

7-Core Entry Point		l anger 7	Cara Cabla	Bypass Recommended			Other Relay Recome			
r-Core Entry Point		Longer 7	Core Cable	H	f TF2302, see Smart		Otne	r Keia	y Recc	menc
21 Grommet rear floo	or			See no	ote below					
Automatic Trailer F	lasher Monitor	Reversing	g Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	g
Find Constant Live					Find Ignition-Sv	vitched Live				
Colour:					Colour:					
Location: 21					Location:					
Add Fuse: Slot 8					Add Fuse:					
Best Wiring Location	on		Route to Batter	у		Fusebox L	ocation	1		
			Footwell RH			Under boni	net			
<u> </u>		y. On cars	with power man	agement (l	ID by battery condit	ion in display	/) do no	t go to	the b	attery
Fitting times, etc. N										
Jpdate 2003- Wire T	F2217									
Mira pasitiana	and connection n	ainto ata d	ara siyan Has ara	aha ta iday	ntify correct wire in	la aatia n				
					I, see SmartCAN Da			1	2	3
Lights	Vehicle Wire Co	olours	Alternativ			Location		4	5	6
LH Flasher	Yellow							7	8	9
Fog Light	Grey							10	11	12
RH Flasher	White							Щ		
RH Side Light	Green							13	14	15
Brake Light	Pink									
LH Side Light	Pink							\vdash		\vdash

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Quality, Service, Innovation

-Core Entry Point		Longer 7 C	Core Cable	If 7	Bypass Recommer F2302, see SmartC	nded AN data	Other Re	lay Rec	omen	ded
9/21 Remove air ve	nts			TF2218.	7SMARTLOGIC					
utomatic Trailer F	asher Monitor	Reversing	Sensor		Cut Out Switch, e	etc.	Mfr's To	ving Plu	ıg	
ind Constant Live					Find Ignition-Swi	tched Live				_
Colour:					Colour:					-
Location: 21					Location:					
Add Fuse:					Add Fuse:					
Add I use.					7144 1 400.					
est Wiring Location	n		Route to Batter	у		Fusebox I	_ocation			
			•••			L				
Choose power		ly. On cars	with power man	agement (ID	by battery condition	on in displa	y) do not go	to the b	oattery	'.
Fitting times, etc. N	lotes	points etc ar	re given. Use pro	obe to identi	fy correct wire in lo	ocation.	y) do not go	to the k	pattery	,.
Fitting times, etc. N	lotes	points etc ar	re given. Use pro	obe to identi		ocation.	1	2		,.
Fitting times, etc. N	lotes	points etc ar g bypass re	re given. Use pro	obe to identi SmartCAN,	fy correct wire in lo see SmartCAN Data	ocation.				/.
Wire positions These	and connection p	points etc ar g bypass re	e given. Use pro lay. For TF2302	obe to identi SmartCAN,	fy correct wire in lo see SmartCAN Data	ocation.	1 4	2 5		
Wire positions These	and connection pnotes relate fitting	points etc ar g bypass re	e given. Use pro lay. For TF2302	obe to identi SmartCAN,	fy correct wire in lo see SmartCAN Data	ocation.	1 4	2 5		,.
Wire positions These	and connection pnotes relate fitting Vehicle Wire C	points etc ar g bypass re	e given. Use pro lay. For TF2302	obe to identi SmartCAN,	fy correct wire in lo see SmartCAN Data	ocation.	4 7	5 8	3 6 9	
Wire positions These	and connection protes relate fitting Vehicle Wire C Brown White	points etc ar g bypass re	e given. Use pro lay. For TF2302	obe to identi SmartCAN,	fy correct wire in lo see SmartCAN Data	ocation.	4 7	5 8	3 6 9	
Wire positions These Lights LH Flasher Fog Light RH Flasher	and connection protes relate fitting Vehicle Wire C Brown White Blue	points etc ar g bypass re	e given. Use pro lay. For TF2302	obe to identi SmartCAN,	fy correct wire in lo see SmartCAN Data	ocation.	10	2 5 8	3 6 9	
Wire positions These Lights LH Flasher Fog Light RH Flasher RH Side Light	and connection protes relate fitting Vehicle Wire Community White Blue Yellow	points etc ar g bypass re	e given. Use pro lay. For TF2302	obe to identi SmartCAN,	fy correct wire in lo see SmartCAN Data	ocation.	10	2 5 8	3 6 9	

Quality, Service, Innovation

7-Core Entry Point		Longer 7 C	Core Cable		Bypass Recomm F2302, see Smar		Othe	r Rela	y Reco	omeno	led
Automatic Trailer F	Flasher Monitor	Reversing	Sensor		Cut Out Switch	, etc.	Mfr's	Towi	ng Plu	g	
Find Constant Live	<u> </u>				Find Ignition-S	witched Live					
Colour:					Colour:						
Location: Battery					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	on		Route to Battery		1	Fusebox Lo	cation	1			
Choose pow Fitting times, etc.		ly. On cars v	with power manage	ement (ID	by battery condi	tion in display)	do no	t go t	o the b	attery	
Fitting times, etc.	NOTES										
			e given. Use probe lay. For TF2302 Sm					1 4	2	3	
Lights	Vehicle Wire C	olours	Alternative			Location		7	8	9	
LH Flasher	Blue/white					19	_	\vdash			_
Fog Light	Brown/grey					19		10	11	12	
RH Flasher	Blue/black					21		\vdash			
RH Side Light	Yellow					21		13	14	15	
Brake Light	Green/white					19					
LH Side Light	Yellow					19		16	17	18	
Reverse	Grey/green					19		19	20	21	

Quality, Service, Innovation

-Core Entry Point		Longer 7 (Core Cable		Bypass Recommer F2302, see SmartC		Other Rela	y Reco	mende
9/21 Foil-covered he	oles	2m		None					
Automatic Trailer Fl	asher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's Towi	ng Plu	g
Find Constant Live					Find Ignition-Swit	ched Live			
Colour:					Colour:				
Location:					Location:				
Add Fuse:					Add Fuse:				
Best Wiring Locatio	n		Route to Battery			Fusebox Lo	cation		
Fitting times, etc. N		y. On cars	with power manage	ement (ID I	by battery condition	n in display)	do not go to) the ba	attery.
			re given. Use probe lay. For TF2302 Sn				1	2	3
These	notes relate fitting	g bypass re	lay. For TF2302 Sn		ee SmartCAN Data		4	2	3 6
		g bypass re			ee SmartCAN Data				3 6 9
These I	Vehicle Wire C Blue/black	g bypass re	Alternative		ee SmartCAN Data		4	5	6
These I	Vehicle Wire C	g bypass re	lay. For TF2302 Sn		ee SmartCAN Data		7	5	6 9
Lights LH Flasher Fog Light	Vehicle Wire C Blue/black Grey	g bypass re	Alternative		ee SmartCAN Data		7	5 8 11	6 9
Lights LH Flasher Fog Light RH Flasher	Vehicle Wire C Blue/black Grey Blue	g bypass re	Alternative		ee SmartCAN Data		10	5	9
Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire C Blue/black Grey Blue Yellow/black	g bypass re	Alternative		ee SmartCAN Data		10	5 8 11	9

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		onger 7 Co	re Cable		Bypass Recommer F2302, see SmartC		Other Rela	y Reco	omende
	3	3.5m		TF2218/7	7SMARTLOGIC				
utomatic Trailer F	lasher Monitor	Reversing Se	ensor		Cut Out Switch, e	tc.	Mfr's Tow	ng Plu	g
									<u> </u>
nd Constant Live					Find Ignition-Swit	ched Live			
Colour:					Colour:				
Location:					Location:				
Add Fuse:					Add Fuse:				
est Wiring Location	on	R	oute to Battery			Fusebox Lo	cation		
			ootwell, L/H (grom	met)		Dash, R/H (12)		
Choose pow	er source carefully	On cars wi	th power manage	ement (ID	by battery conditio	n in display)	do not go t	o the b	attery.
itting times, etc. N	lotes								
itting times, etc. N	lotes								
itting times, etc. N	lotes								
		ints etc are	given. Use probe	to identif	v correct wire in lo	cation.			
Wire positions	and connection po						1	2	3
Wire positions These	and connection po	bypass relay			ee SmartCAN Data		4	5	3 6
Wire positions	and connection po	bypass relay	y. For TF2302 Sm		ee SmartCAN Data				3 6 9
Wire positions These Lights	and connection po notes relate fitting Vehicle Wire Co	bypass relay	y. For TF2302 Sm		ee SmartCAN Data		4	5	3 6 9
Wire positions These Lights LH Flasher	and connection po notes relate fitting Vehicle Wire Co Yellow	bypass relay	y. For TF2302 Sm		ee SmartCAN Data		4 7	5	6
Wire positions These Lights LH Flasher Fog Light	and connection po notes relate fitting Vehicle Wire Co Yellow Brown	bypass relay	y. For TF2302 Sm		ee SmartCAN Data		10	5 8 11	6 9
Wire positions These Lights LH Flasher Fog Light RH Flasher	and connection po notes relate fitting Vehicle Wire Co Yellow Brown	bypass relay	y. For TF2302 Sm		ee SmartCAN Data		4 7	5	6
Wire positions These Lights LH Flasher Fog Light RH Flasher RH Side Light	and connection ponotes relate fitting Vehicle Wire Co Yellow Brown Pink Yellow	bypass relay	y. For TF2302 Sm		ee SmartCAN Data		10	5 8 11	6 9

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7-Core Entry Point		Longer 7	Core Cable	If 7	Bypass Recomme F2302, see Smart		Othe	r Rela	y Reco	meno	led
Orill				None							
Automatic Trailer F	lasher Monitor	Reversing	Sensor		Cut Out Switch,	etc	Mfr's	Towi	ng Plu	a	
		reversing	, 00.11001			0.01				9	
Find Constant Live					Find Ignition-Sw	itched Live					
Colour:					Colour:						
Location: 19 lamp					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	on		Route to Battery	ı		Fusebox L	ocation	1			
						Under bonn	net LH				
		ly. On cars	with power mana	agement (ID	by battery conditi	on in display) do no	t go t	the b	attery	
Fitting times, etc. N	lotes										
Wire positions These	and connection notes relate fittin	points etc a g bypass re	re given. Use pro elay. For TF2302 S	be to identi SmartCAN,	fy correct wire in I see SmartCAN Dat	ocation. a		1	2	3	
Lights	Vehicle Wire (Colours	Alternativ	'e		Location		4	5	6	ı
LH Flasher	Beige						_	7	8	9	-
	Orange							10	11	12	
Fog Light	Orange						1			I	1
RH Flasher	Yellow							Ш			
								13	14	15	
RH Flasher	Yellow							13	14	15	
RH Flasher RH Side Light	Yellow Yellow							13	14	15	

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7-Core Entry Point		Longer 7	Core Cable	ı	Bypass F f TF2302, se	Recomme ee SmartC		Othe	r Rela	y Reco	omeno	bet
		3m		TF22	18/7SMARTI	OGIC						
Automatic Trailer Flas	sher Monitor	Reversin	g Sensor		Cut Out	t Switch, e	etc.	Mfr's	Towi	ng Plu	g	
			_			<u> </u>						
Find Constant Live					Find Igi	nition-Swi	itched Live					
Colour:						olour:						
Location: Fusebox					Loca	ation:						
Add Fuse:					Add F							
Best Wiring Location			Route to Bat	tery			Fusebox Lo	cation	1			
21 lamp			Through roof	with loom, to	fusebox		Footwell R/H	(12)				
Choose power	source careful	ly. On cars	s with power m	anagement (ID by batter	y conditio	on in display)	do no	t go t	o the b	attery	·-
Fitting times, etc. No	tes											
Wire positions an These no			are given. Use _l relay. For TF230						1	2	3	<u> </u>
Lights	Vehicle Wire C	colours	Alterna	ative		L	ocation		7	5	6	ł
LH Flasher	Blue							•	<u> </u>	-	,	▛
Fog Light	Red								10	11	12	
RH Flasher	White								<u> </u>			-
RH Side Light	Green								13	14	15	
									13	1.4	13	
Brake Light	Yellow								"		"	
Brake Light LH Side Light	Yellow Brown						19		16	17	18	I

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7-Core Entry Point		Longer 7	Core Cable	If	Bypass Recomn TF2302, see Smar		Other Re	elay Rec	omende
21 Grommet				None					
Automatic Trailer F	lasher Monitor	Reversing	Sensor		Cut Out Switch	n. etc.	Mfr's To	wina Pl	na
			,			.,		9	-9
Find Constant Live					Find Ignition-S	witched Live			
Colour:					Colour:				
Location: Stalk					Location:				
Add Fuse:					Add Fuse:				
Best Wiring Location	on		Route to Battery	1		Fusebox L	ocation		
21 small plug						Steering co	lumn (unde	r)	
Choose pow	er source careful	ly. On cars	with power mana	gement (I	D by battery condi	tion in display) do not go	to the	oattery.
Fitting times, etc. N	lotes								
					tify correct wire in		1	2	3
Inese	notes relate fittin	g bypass re	elay. For 1F2302 S	SmartCAN	, see SmartCAN Da	ata	_		6
Lights	Vehicle Wire C	colours	Alternativ	е		Location	7	8	-
LH Flasher	Beige		2004 Yello	w				+ -	+∸
Fow Limbs	Orange						10	11	12
Fog Light	Orange								
RH Flasher	Yellow						- [\perp
							11	14	15
RH Flasher	Yellow						13	14	15
RH Flasher RH Side Light	Yellow White		2004 purpl	e			13		15

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7-Core Entry Point		Longer 7	Core Cable	If 7	Bypass Recomme F2302, see Smart0		Othe	r Rela	y Reco	omended
19 (21 in Estate) Gro	ommet in floor			TF2218	/7SMARTLOGIC					
Automatic Trailer F	lasher Monitor	Reversin	g Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	a
			<u>3</u>							<u> </u>
Find Constant Live					Find Ignition-Sw	itched Live				
Colour:					Colour:					
Location: Battery					Location:					
Add Fuse:					Add Fuse:					
D. of Winiman I a codi			D(- (- D			 - - - - - - - - - -				
Best Wiring Location 19/21	on		Under chassis	у		Fusebox L	_ocation	1		
Chases new		ly On som	with news man	nament (ID	by bottom, condition	n in diamle.	.\ da na	4 4	a 4ha h	attam.
		iy. On cars	s with power mana	agement (ID	by battery condition	on in dispiay	y) ao no	t go to	tne b	attery.
Fitting times, etc. I	Notes									
					fy correct wire in lo			1	2	3
These	notes relate fittin	g bypass i	relay. For TF2302	SmartCAN,	see SmartCAN Data	a		4	5	-
Lights	Vehicle Wire C	Colours	Alternativ	⁄e	L	ocation		7	8	9
LH Flasher	Pink						•	\vdash	•	
Fog Light	Green							10	11	12
RH Flasher	Purple							\square		
	Beige							13	14	15
RH Side Light	beige									19
RH Side Light Brake Light	White					19				15
						19		16	17	18

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Reverse

Porsche Cayenne 4WD 2004 -

							<i>-</i>		•		•
7-Core Entry Point	t	Longer 7 C	ore Cable	If T	Bypass Recomme F2302, see Smart		Other	Rela	y Reco	omeno	led
21 behind cluster				TF2218/	7SMARTLOGIC						
Automatic Trailer	Flasher Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's 7	Γowi	ng Plu	q	
							21 Mul			<u> </u>	
Find Constant Live	9	I			Find Ignition-Sw	ritched Live					
Colour:					Colour:						
Location: 21					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Locat	ion		Route to Battery			Fusebox L	ocation				
Choose pov	ver source carefull	y. On cars v	vith power manag	gement (ID	by battery conditi	on in display	/) do not	go to	the b	attery	
Fitting times, etc.	Notes										
Porsche will only su	ipply OEM wiring kit	with OEM to	owbar								
Replace lamp cluste	ers before testing										
	s and connection p						•	1	2	3	
Lights	Vehicle Wire C	olours	Alternative)		Location		7	5	5	ı
LH Flasher	White/black		Black/white	!			7	•	•	-	_
Fog Light	Grey/white							10	11	12	
RH Flasher	Grey/black		Green/white	е				_			
RH Side Light	Grey							13	14	15	
Brake Light	Red/black										
LH Side Light	Grey/black						▋	16	17	48	

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Car Data Sheet

Reverse

Red/blue

Proton Jumbuck Pickup Pickup 2003 -

ai Data Silee	ι				Proton 3	umbuck	PICK	up i	ICK	JP Z	UU.
-Core Entry Point	Lo	onger 7 C	Core Cable	If T	Bypass Recomme F2302, see Smart0		Othe	r Rela	y Reco	omend	led
				None							
Automatic Trailer Fla	asher Monitor R	eversing	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	g	
							Next	to spa	re whe	el	
ind Constant Live					Find Ignition-Sw	tched Live					
Colour:					Colour:						
Location: Fusebox	(under dash)				Location:						
Add Fuse:	•				Add Fuse:						
Best Wiring Location	n		Route to Battery			Fusebox L	ocation	ļ			
						Dash, R/H	(12)				
Choose power	er source carefully.	On cars v	with power manage	ement (ID	by battery condition	n in display	y) do no	t go to	the b	attery.	
Fitting times, etc. N	otes										
Viring: All wires exce	pt fog found in 7 pin	multiplug	by spare wheel.(BI	ack wire ir	plug is earth)						
	and connection poi lotes relate fitting b							1 4	2	3	
Lights	Vehicle Wire Cold	ours	Alternative		L	ocation		7	8	9	
LH Flasher	Green/blue							<u> </u>		-	
Fog Light	Red/white			-		21		10	11	12	
RH Flasher	Green/red							\vdash		\sqcup	
RH Side Light	Green/orange							13	14	15	
Brake Light	Green										
LH Side Light	Green/yellow							16	47	48	

7-Core Entry Point		Longer 7	Core Cable	If -	Bypass Recomm F2302, see Smart		Othe	r Rela	y Reco	omeno	led
				None							
Automatic Trailer FI	asher Monitor	Reversing	g Sensor		Cut Out Switch	, etc.	Mfr's	Towi	ng Plu	g	
Find Constant Live					Find Ignition-Sv	vitched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Locatio	Wiring Location Route to Batte					Fusebox Lo	ocation	1			
		ly. On cars	with power mana	agement (IC	by battery condit	ion in display	do no	t go to	the b	attery	•
Fitting times, etc. N	lotes										
Indicator on right											
Wire positions a	and connection p notes relate fittin	points etc a g bypass re	re given. Use pro elay. For TF2302	be to ident SmartCAN,	fy correct wire in see SmartCAN Da	location. ta		1 4	2	3	
Lights	Vehicle Wire C	Colours	Alternativ	re e		Location		7	8	9	
LH Flasher							_	\vdash	_	-	
Fog Light					Hir	nge grommet		10	11	12	
RH Flasher					Hir	nge grommet		10	11	12	
					Hir	nge grommet		13	11	12	
RH Flasher					Hir	nge grommet					
RH Flasher RH Side Light					Hir	nge grommet					

Quality, Service, Innovation

Proton Wira Hatchback 2003 -

7-Core Entry Point		Longer 7	Core Cable		Bypass Recommer F2302, see SmartC		Other Re	elay Re	come	nded
				None						
Automatic Trailer FI	asher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's To	wing P	lug	
Find Constant Live					Find Ignition-Swit	ched Live				
Colour:					Colour:					-
Location: 21					Location: 21					
Add Fuse:					Add Fuse:					
Best Wiring Locatio	n		Route to Battery			Fusebox Lo	ocation			
<u> </u>		ly. On cars	with power manag	gement (ID	by battery conditio	n in display)	do not go	to the	batter	y.
Fitting times, etc. N	lotes									
					y correct wire in lo		1	2	3	٦
I nese r	notes relate fittin	g bypass re	Hay. For 1F2302 S	martCAN, s	see SmartCAN Data		_	_	- 6	
Lights	Vehicle Wire C	· alauwa								
		olours	Alternative	1	Le	ocation	7	8	9	
LH Flasher	Green/black	Joiours	Alternative	1	Le	ocation	7	8	9	
Fog Light	Green/black Red	olours	Alternative	•	_	e grommet	7	+	12	
		olours	Alternative		_		_ ¬	+	12	
Fog Light	Red	olours	Alternative		_		╛┱	11		+
Fog Light RH Flasher	Red Green/red	olours	Alternative	•	_		10	11		+
Fog Light RH Flasher RH Side Light	Red Green/red Green/white	olours	Alternative		_		10	11	15	+

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Quality, Service, Innovation

7-Core Entry Point		Longer 7	Core Cable		Bypass Recommer F2302, see SmartC		Other	Rela	y Reco	omende
				None						
Automatic Trailer Fl	lasher Monitor	Reversing	g Sensor		Cut Out Switch, e	tc.	Mfr's	Towi	ng Plu	g
Find Constant Live		<u> </u>			Find Ignition-Swi	ched Live				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Location	an .		Route to Battery			Fusebox Lo	ocation			
Choose power	er source careful	ly. On cars	with power mana	igement (ID	by battery conditio	n in display)) do not	go to	the b	attery.
Fitting times, etc. N	lotes									
As Espace										
Wire positions	and connection i	ooints etc a	are given. Use pro	be to identif	y correct wire in lo	cation.				
These i	notes relate fittin	g bypass r	alay Far TE2202 (3	•			1	2	3
			elay. For 1F2302 3	smartCAN, s	see SmartCAN Data					
Lights	Vehicle Wire C	Colours	Alternative			ocation	7	4	5	6
Lights LH Flasher	Vehicle Wire C	Colours					┦┇	7	5 8	9
		Colours								9
LH Flasher	Mauve	Colours						7	8	9 12
LH Flasher Fog Light	Mauve Orange	Colours						7	8	12
LH Flasher Fog Light RH Flasher	Mauve Orange Orange	Colours						10	11	
LH Flasher Fog Light RH Flasher RH Side Light	Mauve Orange Orange Blue	Colours						10	11	

Quality, Service, Innovation

7-Core Entry Point		Longer 7	Core Cable		Bypass Recommer F2302, see SmartC		Othe	r Rela	y Reco	meno	led
		N/A		None							
Automatic Trailer F	lasher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's	Towi	ng Plu	g	
			<u>'</u>		,						
ind Constant Live					Find Ignition-Swi	ched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	on		Route to Battery	,		Fusebox L	ocation	1			
<u> </u>	-			,							
Choose pow	er source careful	ly. On cars	with power mana	agement (ID	by battery conditio	n in display	/) do no	t go t	o the b	attery	
Fitting times, etc. N	lotes										
Wire positions	and connection r	ooints etc a	re given. Use pro	be to identif	y correct wire in lo	cation.					1
These								1 1	2	3	_
	notes relate fittin	g bypass re	elay. For TF2302	SmartCAN, s	ee SmartCAN Data			-			-
Lights	Vehicle Wire C		Alternativ					4	5	6	
								-	5 8	6	
Lights	Vehicle Wire C							4		9	
Lights LH Flasher	Vehicle Wire C							7	8	9	
Lights LH Flasher Fog Light	Vehicle Wire C Pink/black Cream/black	Colours						4 7 10	8 11	6 9 12	
Lights LH Flasher Fog Light RH Flasher	Vehicle Wire C Pink/black Cream/black Brown/black	Colours				ocation		7	8		
Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire C Pink/black Cream/black Brown/black Light grey/black	Colours				ocation 21		4 7 10	8 11		

Quality, Service, Innovation

7-Core Entry Point		Longer 7 Co	re Cable		pass Recommend 302, see SmartCA		Other Re	elay Rec	omended
				None					
Automatic Trailer F	Flasher Monitor	Reversing S	ensor	 	Cut Out Switch, etc	C.	Mfr's To	wina Plu	Ja
								g	<u>. 5</u>
Find Constant Live	1			F	ind Ignition-Switc	had Liva			
	•					ilica Elve			
Colour:					Colour:				
Location:					Location:				
Add Fuse:					Add Fuse:				
Best Wiring Locati	on	R	oute to Battery			Fusebox Lo	cation		
19, 21 Lamps	<u> </u>	-							
Choose nov	ver source careful	ly On cars wi	th nower manage	ement (ID hv	hattery condition	in display)	do not ac	to the h	nattery
Fitting times, etc.		iy. On oars w	ar power manage	ement (ID by	battery contained	iii dispidy)	ao not ge	to the k	
Fitting times, etc.	Notes								
	and sannastian .								
These					correct wire in loc	ation.	1	2	3
These	notes relate fittin					ation.			3
These		g bypass rela			SmartCAN Data	ation.	4		3 6
	notes relate fittin	g bypass rela	y. For TF2302 Sm	nartCAN, see	SmartCAN Data		4	5	6
Lights	notes relate fittin	g bypass rela	y. For TF2302 Sm	hartCAN, see	SmartCAN Data		4	5	6
Lights LH Flasher	Vehicle Wire C	g bypass rela	Alternative 2005 Mauve	hartCAN, see	SmartCAN Data		4	5	6
Lights LH Flasher Fog Light	Vehicle Wire C Mauve Tan	g bypass rela	Alternative 2005 Mauve	nartCAN, see /black ack /black in m'blo	SmartCAN Data		4	5 8	6
Lights LH Flasher Fog Light RH Flasher	Vehicle Wire C Mauve Tan Orange	g bypass rela	Alternative 2005 Mauve 2005 Tan/bla 2005 Brown/	/black ack /black in m'blo	SmartCAN Data		7	5 8	9 12
Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire C Mauve Tan Orange Blue	g bypass rela	Alternative 2005 Mauve 2005 Tan/bla 2005 Brown/ 2005 Blue/bl	/black ack /black in m'blo	SmartCAN Data		7	5 8 11	9 12

Quality, Service, Innovation

Car Data Shoot

LH Side Light

Reverse

Blue Pink

20

7-Core Entry Point		Longer 7 Co	re Cable	lf T	Bypass Recommo F2302, see Smart		Othe	r Rela	y Reco	mend
Fog light				None						
Automatic Trailer Fla	sher Monitor	Reversing S	ensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	a a
		3			,				<u> </u>	
Find Constant Live					Find Ignition-Sw	ritched Live				
Colour:					Colour:					
Location: Fusebox					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Location	t Wiring Location Route to Battery					Fusebox L	ocation	1		
				•		Footwell Li	1			
Choose power	r source carefull	y. On cars w	ith power man	agement (ID	by battery conditi	on in display	r) do no	t go to	the b	attery.
Fitting times, etc. No	otes									
Fog: Check whether the	nere is a multiplug on pre 2001 mode	on the N/S fr	ont wing under	a protective	plate. If there is, it h	nas the trailer	wiring ir	ncludin	ıg a sw	itched
og: Othonwico: Accor	ss to loom - foglig	ht signal feed	1:0 1.5	1.6			ite wire/	or orar	nae wir	o (Not
				ne round tuse	box find multiplug.	Find beige/sia			.90	e (INOL
always present?) 4th f	fuse up in RH row	activates fog	feed				oved wh			
always present?) 4th f	fuse up in RH row	activates fog	feed				oved wh			
always present?) 4th f	fuse up in RH row	activates fog	feed				oved wh			
always present?) 4th f	fuse up in RH row onitor. Check for a	activates fog audible tone, o	feed digital text chec	ck on dash, al	tered flash rate if te	est board remo	oved wh		shing, e	
always present?) 4th f	fuse up in RH row onitor. Check for a	activates fog audible tone, o	feed digital text chec	ck on dash, ali		est board remo	oved wh			
ilways present?) 4th f lashers: may auto mo	fuse up in RH row onitor. Check for a	audible tone, of	feed digital text chec	obe to identif	fy correct wire in l	est board remo	oved wh	en flas	shing, e	
lways present?) 4th f lashers: may auto mo Wire positions a These no	fuse up in RH row onitor. Check for a and connection p otes relate fitting	audible tone, of	given. Use pro	obe to identif	fy correct wire in l	est board remo	oved wh	en flas	shing, e	
Wire positions and These not	nd connection potes relate fitting	audible tone, of	given. Use pro	obe to identif	fy correct wire in l	est board remo	oved wh	en flas	shing, e	
Wire positions and These not	nd connection potes relate fitting Vehicle Wire C	audible tone, of	given. Use pro	obe to identif	fy correct wire in l	est board remo	oved wh	en flas	shing, e	3 6 9
Wire positions and These not Lights LH Flasher Fog Light	nd connection potes relate fitting Vehicle Wire C Green Cream	audible tone, of	given. Use pro	obe to identif	fy correct wire in lesee SmartCAN Da	est board remo	oved wh	en flas	shing, e	3 6 9

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Renault Espace MPV 2003 -

7-Core Entry Point		Longer 7	Core Cable		Bypass Recomme F2302, see SmartC		Othe	r Rela	y Reco	meno	led
19 Grommet		2m		TF2218/	7SMARTLOGIC						
Automatic Trailer Fl	asher Monitor	Reversin	g Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	g	
										<u>-</u>	
Find Constant Live					Find Ignition-Swi	itched Live					
Colour:					Colour:						
Location: Battery					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	on		Route to Batter	v		Fusebox L	ocation	1			
			Along chassis -	protect with co	onvoluted tubing						
Choose power	er source careful	ly. On cars	s with power man	agement (ID	by battery condition	on in display) do no	t go t	o the b	attery	
Fitting times, etc. N	lotes										
					y correct wire in lo			1	2	3	
These i	notes relate fittin	g bypass ı	relay. For TF2302	SmartCAN, s	see SmartCAN Data	a		_	5	-	
Limbto								4	9		
Lights	Vehicle Wire C	colours	Alternativ	ve	L	ocation		,			
LH Flasher	Pink	colours	Alternativ	ve	L	ocation	- 1	7	8	9	
_		Colours	Alternativ	ve	L	ocation.	- •	10	11	12	
LH Flasher	Pink	Colours	Alternation	Ve	L	ocation	_			12	
LH Flasher Fog Light	Pink Mauve	Colours	Alternativ	ve	L	ocation				12	
LH Flasher Fog Light RH Flasher	Pink Mauve Brown	Colours	Alternation	ve	L	ocation		10	11		
LH Flasher Fog Light RH Flasher RH Side Light	Pink Mauve Brown Green	Colours	Alternation	ve	L	ocation		10	11		

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Car Data Sheet

Renault Espace MPV Summer -2002

7-Core Entry Point	Longer 7 Core Cable	Bypass Recommended If TF2302, see SmartCAN data			Other Relay Recomended
21	6.5m	None			
Automatic Trailer Flasher Monitor	Reversing Sensor		Cut Out Switch, etc.		Mfr's Towing Plug
✓					
Find Constant Live			Find Ignition-Switche	ed Live	
Colour:			Colour:		
Location: Fusebox			Location:		
Add Fuse:			Add Fuse:		
Best Wiring Location	Route to Batte	ery	Fu	sebox Loc	ation
			Un	der bonnet	LH
Choose power source carefu					

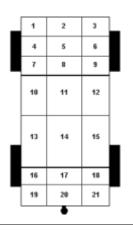
Fitting times, etc. Notes

Wiring: Under the bonnet in a fuse box on N/S wing there is a grey 8-way trailer connector. You can wire direct to this with a 6.2 metre 7 core. BUT CHECK IT'S LIVE BEFORE WIRING TO IT.

Foglight: Fusebox under floor at 10, find slot marked foglight and insert fuse: this activates the trailer fog wire.(10 amp: 3 across x 4 up - or 1 above or below).

Wire positions and connection points etc are given. Use probe to identify correct wire in location. These notes relate fitting bypass relay. For TF2302 SmartCAN, see SmartCAN Data

Lights	Vehicle Wire Colours	Alternative	Location
LH Flasher	Green	2003 pink at lamp	
Fog Light	Purple	2003 pink at lamp	
RH Flasher	Orange	2003 green at lamp	
RH Side Light	Blue	2003 fawn at lamp	
Brake Light	Beige	2003 white at lamp	
LH Side Light	Blue	2003 purple at lamp	
Reverse	Grey		



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Renault Grand Modus MPV 2010 -

7-Core Entry Point		Longer 7 C	ore Cable		Bypass Recommo F2302, see Smart		Othe	r Rela	y Reco	omeno	led
21				TF2218/7	7SMARTLOGIC						
Automatic Trailer F	lasher Monitor	Reversing	Sensor		Cut Out Switch, etc.		Mfr's Towing Plug				
									g	5	
Find Constant Live					Find Ignition-Sw	itched Live					
						riteried Eive					
Colour: Red					Colour:						
Location: 7					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	on		Route to Battery			Fusebox Loc	cation	1			
21	···		9, 16, 13, 10, 7			7	Julioi				
Choose pow	er source careful	ly. On cars w	vith power manag	ement (ID	by battery conditi	on in display)	do no	t go t	o the b	attery	
Fitting times, etc. I				` `		. ,,					
			e given. Use prob ay. For TF2302 Sr				_	1	2	3	L
							7	4	5	6	
Lights	Vehicle Wire C	colours	Alternative			Location	- 1	7	8	9	
LH Flasher	Mauve					19	4	L			
Fog Light	White					21		10	11	12	
RH Flasher	Brown					21		-			
RH Side Light	Blue					21		13	14	15	
Brake Light	Green					21		1			
LH Side Light	Blue					19		16	17	18	
Reverse	Grey					19		19	20	21	_

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Reverse

Pink

7-Core Entry Point		Longer 7 Co	re Cable	If T	Bypass Recomme F2302, see Smart(Other	Rela	y Reco	omend
21 behind cluster				None						
Automatic Trailer F	lasher Monitor	Reversing Se	ensor		Cut Out Switch,	etc.	Mfr's	Towi	na Plu	a
									-g	<u> </u>
Find Constant Live					Find Ignition-Sw	itched Live				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Location	on	R	oute to Battery			Fusebox L	ocation			
21 lamp										
Choose pow	er source carefull	y. On cars wit	th power manag	jement (ID	by battery conditi	on in display	/) do not	go to	the b	attery.
Fitting times, etc. N	Notes									
Viring: Bring opposit	te flasher and tail lio	ght leads acro	ss to connection	point						
These	notes relate fitting	j bypass relay	y. For TF2302 Sr	martCAN, s	fy correct wire in Iosee SmartCAN Dat	a	_ [1 4	2	3
Lights	Vehicle Wire Co	olours	Alternative			Location	┈╻	7	8	9
LH Flasher	Beige						_	40		42
Fog Light	Mauve						_	10	11	12
RH Flasher	Green									\vdash
RH Side Light	Blue/grey							13	14	15
Brake Light	White									
LH Side Light	Blue/grey							40	47	

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'-Core Entry Point		Longer 7 (ore Cable	If T	Bypass Recommer F2302, see SmartC		Othe	r Rela	y Reco	meno	led
9 (21 in Estate) Gro	mmet in floor			None							
Automatic Trailer F	asher Monitor	Reversing	Sensor		Cut Out Switch, e	etc.	Mfr's	Towi	ng Plu	g	
					,		19		J		
ind Constant Live					Find Ignition-Swi	tched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:			Add Fuse:								
Best Wiring Location	on .		Route to Battery			Fusebox Lo	ocation	1			
9								-			
Choose pow	er source carefu	lly. On cars	with power manag	jement (ID	by battery condition	n in display) do no	t go to	the b	attery	
Fitting times, etc. N	lotes										
					fy correct wire in lo						1
These	notes relate fittin	ig bypass re	lay. For TF2302 Sr	martCAN,	see SmartCAN Data	1		1	2	3	
Lights	Vehicle Wire (5	6	
gc	venicle vviie	Colours	Alternative		L	ocation		4			-
LH Flasher	Orange	Colours	Alternative		L	ocation		7	8	9	
		Colours	Alternative		L				8	9	
LH Flasher	Orange	Colours	Alternative		L	19		7		9	
LH Flasher Fog Light	Orange Grey	Colours	Alternative		L	19 19		7		12	
LH Flasher Fog Light RH Flasher	Orange Grey Grey	Colours	Alternative		L	19 19 19		10	11		
LH Flasher Fog Light RH Flasher RH Side Light	Orange Grey Grey White	Colours	Alternative		L	19 19 19 19		10	11		

Quality, Service, Innovation

		Longer 7 (Core Cable		Bypass Recommer F2302, see SmartC		Other R	elay I	Reco	mende
				None						
utomatic Trailer F	lasher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's To	wina	ı Pluc	<u> </u>
		<u>_</u>						3	,	,
nd Constant Live					Find Ignition-Swi	tched Live				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
est Wiring Location	on		Route to Battery			Fusebox Lo	ocation			
)						Steering col	umn (unde	er)		
Choose now	er source carefully	. On cars	with nower manag	romont (ID	hu hattami aanditia		do not a	. 4. 4	ho ha	ottory
22000 pow	ci source ourcium		witti powei ilialia	Jement (1D	by battery condition	n in display)	do not ge) to t	He ba	attery.
itting times, etc. N			with power manaç	gement (ID	by battery conditio	n in dispiay)	do not g) to t	ile ba	attery.
		,,, e., e., e.,	with power manay	gement (ID	by battery condition	n in dispiay)	do not g	o to ti	ile Da	attery.
			with power mana	gement (ID	by battery condition	n in dispiay)	do not gi) to ti	ile Da	attery.
itting times, etc. N	Notes	oints etc ar	re given. Use prob	e to identif	y correct wire in lo	cation.				
itting times, etc. N	Notes	oints etc ar	re given. Use prob	e to identif		cation.			2	3
itting times, etc. N	Notes	oints etc ar bypass re	re given. Use prob	e to identif martCAN, s	y correct wire in lo	cation.			2 5	
Wire positions These	and connection ponotes relate fitting	oints etc ar bypass re	re given. Use prob lay. For TF2302 S	e to identif martCAN, s	y correct wire in lo	cation.			2	
Wire positions These	and connection ponotes relate fitting	oints etc ar bypass re	re given. Use prob lay. For TF2302 S	e to identif martCAN, s	y correct wire in lo	cation.			2 5	
Wire positions These Lights LH Flasher	and connection por notes relate fitting Vehicle Wire Co	oints etc ar bypass re	re given. Use prob lay. For TF2302 S	e to identif martCAN, s	y correct wire in lo	cation.			2 5 8	3 6 9
Wire positions These Lights LH Flasher Fog Light	and connection ponotes relate fitting Vehicle Wire Connection Grey/purple Beige/grey	oints etc ar bypass re	re given. Use prob lay. For TF2302 S	e to identif martCAN, s	y correct wire in lo	cation.			2 5 8 11	3 6 9 12
Wire positions These Lights LH Flasher Fog Light RH Flasher	and connection ponotes relate fitting Vehicle Wire Consequence Grey/purple Beige/grey Beige/grey	oints etc ar bypass re	re given. Use prob lay. For TF2302 S	e to identif martCAN, s	y correct wire in lo	cation.			2 5 8	3 6 9
Wire positions These Lights LH Flasher Fog Light RH Flasher RH Side Light	and connection por notes relate fitting Vehicle Wire Congrey/purple Beige/grey Beige/grey Blue/grey	oints etc ar bypass re	re given. Use prob lay. For TF2302 S	e to identif martCAN, s	y correct wire in lo	cation.		3	2 5 8 11	3 6 9 12

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Location: 19

Add Fuse: Slot 24

7-Core Entry Point	Longer 7 Core Cable	If 7	Bypass Recommended F2302, see SmartCAN data	Other Relay Recomended
19 (21 in Estate) Grommet in floor		None		
Automatic Trailer Flasher Monitor	Reversing Sensor		Cut Out Switch, etc.	Mfr's Towing Plug
✓				
Find Constant Live			Find Ignition-Switched Live	
Colour			Colour: Yellow	·

Route to Battery	Fusebox Location
	Route to Battery

Location: 19

Add Fuse:

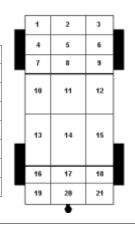
Choose power source carefully. On cars with power management (ID by battery condition in display) do not go to the battery.

Fitting times, etc. Notes
Fog/reverse lamp leads in plug at the top of suspension leg behind the LH side trim.

Wire positions and connection points etc are given. Use probe to identify correct wire in location.

These notes relate fitting bypass relay. For TF2302 SmartCAN, see SmartCAN Data

Lights	Vehicle Wire Colours	Alternative	Location
LH Flasher	Green		19
Fog Light	Brown/green		See note
RH Flasher	Pink		21
RH Side Light	Light blue	Green	
Brake Light	Green		19
LH Side Light	Light blue		
Reverse	Brown	Green	See note



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Quality, Service, Innovation

Car Data Sheet

Renault Laguna Hatchback 2002 -

7-Core Entry Point	Longer 7 Core Cable		Bypass Recommended F2302, see SmartCAN data	Other Relay Recomended
		None		
Automatic Trailer Flasher Monitor	Reversing Sensor		Cut Out Switch, etc.	Mfr's Towing Plug
✓				
Find Constant Live			Find Ignition-Switched Live)
Colour:			Colour: Yellow	
Location: 19			Location: 19	
Add Fuse: Slot 24			Add Fuse:	

Best Wiring Location	Route to Battery	Fusebox Location
19		

Choose power source carefully. On cars with power management (ID by battery condition in display) do not go to the battery.

Fitting times, etc. Notes

Add Fuse: Slot 24

Warning: BEWARE OF BROWN AND BLUE SPIRALLED WIRES: AIR BAG

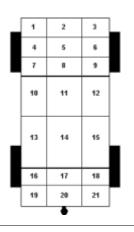
Fog/reverse lamp leads in plug at the top of suspension leg behind the LH side trim.

Power supply: If O/E alarm fitted, don't use power take off socket at 19.

2004 Update- Orange/white 44's cable found taped up under glove compartment. If it's not live find other end of wire under fuse box taped up.Run this end to battery and fuse.

Wire positions and connection points etc are given. Use probe to identify correct wire in location. These notes relate fitting bypass relay. For TF2302 SmartCAN, see SmartCAN Data

Lights	Vehicle Wire Colours	Alternative	Location
LH Flasher	Green		
Fog Light	Black	Green/blue marker	16
RH Flasher	Pink		
RH Side Light	Pink		
Brake Light	Pink		
LH Side Light	Black	Brown	
Reverse	Green		19



Ryder Towing Equipment Ltd

Quality, Service, Innovation

Car Data Sheet

Renault Laguna Hatchback 2008 -

7-Core Entry Point	Point Longer 7 Core Cable			If 7	Bypass Recommended If TF2302, see SmartCAN data			Other Relay Recomended				
				TF2218	/7SMARTLOGIC		TF22	18/7S	MARTI	OGIC	;	
Automatic Trailer F	lasher Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	g		
Find Constant Live					Find Ignition-Sw	itched Live						
Colour:					Colour:							
Location: 18					Location:							
Add Fuse:					Add Fuse:							
Best Wiring Location	on		Route to Batter	у		Fusebox L	ocation	ı				
19												
Choose pow	er source careful	ly. On cars	with power mana	agement (ID	by battery conditi	on in display) do no	t go to	the b	attery	<i>r</i> .	
Fitting times, etc. N	Notes											
These	notes relate fittin	g bypass re	lay. For TF2302	SmartCAN,	fy correct wire in I see SmartCAN Dat	a		1 4	2	3		
Lights	Vehicle Wire C	olours	Alternativ	/e		Location	- 1	7	8	9		
LH Flasher	Brown					19		40		42	1	
Fog Light	White					21		10	11	12		
RH Flasher	Brown					21		\vdash			1	
RH Side Light	Blue					21		13	14	15	L	
Brake Light	Green					19						
LH Side Light	Light blue					19		40	47			
								16	17	18		

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Renault Laguna II Estate 2002 -

7-Core Entry Point		Longer 7 (Core Cable		Bypass Recommen F2302, see SmartCA		Other	r Rela	y Reco	menc	ed
21 below lamp cluste	er			None							
Automatic Trailer Fl	lasher Monitor	Reversing	Sensor		Cut Out Switch, et		Mfr's	Towi	ng Plug	g	
					,						
Find Constant Live					Find Ignition-Swite	ched Live					
Colour:					Colour: Pale t						
Location: 12					Location: 19	3					
Add Fuse:					Add Fuse: Slot 2	4					
Best Wiring Locatio	on .		Route to Battery			Fusebox Lo	ocation				_
19 Lamp											
Choose power	er source careful	ly. On cars	with power manage	ement (ID	by battery condition	in display)	do not	go to	the ba	attery	
Fitting times, etc. N	lotes										
					y correct wire in loc	ation.		1	2	3	ı
			re given. Use probe lay. For TF2302 Sm			ation.			2	3	
		g bypass re			ee SmartCAN Data	ation.		1 4 7		3 6 9	
These	notes relate fittin	g bypass re	lay. For TF2302 Sm		ee SmartCAN Data			4	5	3 6 9	
These I	Vehicle Wire C	g bypass re	lay. For TF2302 Sm		ee SmartCAN Data			4	5	3 6 9	
Lights LH Flasher	Vehicle Wire C	g bypass re	lay. For TF2302 Sm		ee SmartCAN Data			7	5	6	
Lights LH Flasher Fog Light	Vehicle Wire C Green Brown/green	g bypass re	lay. For TF2302 Sm		ee SmartCAN Data			7	5	6	
Lights LH Flasher Fog Light RH Flasher	Vehicle Wire C Green Brown/green Pink	g bypass re	lay. For TF2302 Sm		ee SmartCAN Data			4 7 10	5 8 11	9 12	
Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire C Green Brown/green Pink Green	g bypass re	Alternative		ee SmartCAN Data			4 7 10	5 8 11	9 12	

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-Core Entry Point		Longer 7 Co	re Cable		Bypass Recomme F2302, see SmartC		Other Re	lay Red	omen	bek
9/21 Grommet				None			TF2100T	/TF2005	T/TF1	15FL
Automatic Trailer Fl	asher Monitor	Reversing S	ensor		Cut Out Switch,	etc.	Mfr's To	wing Pl	ıg	
ind Constant Live					Find Ignition-Swi	tched Live				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Locatio	n	R	oute to Battery			Fusebox L	ocation			
Choose power	er source careful	ly. On cars wi	th power mana	gement (ID	by battery condition	n in display	/) do not go	to the	oattery	·-
Fitting times, etc. N	lotes									
	and connection p									
These					y correct wire in lo				_	1
1110301	notes relate fittin				y correct wire in lo see SmartCAN Data		1	2	3	
Lights	Vehicle Wire C	g bypass rela		martCAN, s	see SmartCAN Data		- 4	5	3 6	
		g bypass relag	y. For TF2302 S	martCAN, s	see SmartCAN Data	1			3 6 9	
Lights	Vehicle Wire C	g bypass relag	/. For TF2302 S	martCAN, s h/red (19)	see SmartCAN Data	1	- 4	5	3 6 9	
Lights LH Flasher	Vehicle Wire C	g bypass relag	Alternative 2004 Green	martCAN, s n/red (19) ge/red (21)	see SmartCAN Data	1	4	5	3 6 9	
Lights LH Flasher Fog Light	Vehicle Wire C Yellow or Grey/ Tan	g bypass relag	Alternative 2004 Greer 2004 Orang	martCAN, s n/red (19) ge/red (21)	see SmartCAN Data	1	4	5 8 11	3 6 9 12	
Lights LH Flasher Fog Light RH Flasher	Vehicle Wire C Yellow or Grey Tan Green pin 6	g bypass relag	Alternative 2004 Greer 2004 Orang 2004 White	martCAN, s n/red (19) ge/red (21) n/red (21) red (21)	see SmartCAN Data	1	10	5 8 11		
Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire C Yellow or Grey Tan Green pin 6 Blue pin 2	g bypass rela	Alternative 2004 Greer 2004 Orang 2004 White 2004 Blue/r	martCAN, s en/red (19) ge/red (21) red (21) red (21) m (21)	see SmartCAN Data	1	10	5 8 11		

Quality, Service, Innovation

Renault Megane All 2010 -

Core Entry Point		Longer 7	Core Cable	If T	Bypass Recommer F2302, see SmartC		Other	r Rela	y Reco	meno	led
rommet: number pl	ate light			TF2218/	7SMARTLOGIC		TF10	11 bra	ake ligh	ts	
utomatic Trailer Fl	lasher Monitor	Reversin	g Sensor		Cut Out Switch, e	etc.	Mfr's	Towi	ng Plu	g	
										<u>-</u>	
nd Constant Live					Find Ignition-Swi	tched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
est Wiring Location	on .		Route to Batter	rv		Fusebox L	ocation				_
Choose power	er source careful	ly. On cars	with power man	nagement (ID	by battery condition	n in display) do not	t go to	o the ba	attery	-
Choose power		ly. On cars	with power man	nagement (ID	by battery condition	n in display) do not	t go to	o the ba	attery	-
		ly. On cars	s with power man	nagement (ID	by battery condition	n in display	r) do not	t go to	o the ba	attery	• —
		ly. On cars	s with power man	nagement (ID	by battery condition	n in display) do no	t go to	o the ba	attery	<u>-</u>
itting times, etc. N	Notes	points etc a	are given. Use pr	obe to identi	fy correct wire in lo	cation.) do not				
itting times, etc. N	Notes	points etc a	are given. Use pr	obe to identi		cation.	y) do not	1	2	attery	
itting times, etc. N	Notes	points etc a	are given. Use pr	obe to identi	fy correct wire in lo see SmartCAN Data	cation.	v) do not	1 4	2		
Wire positions	and connection p	points etc a	are given. Use pr elay. For TF2302	obe to identi	fy correct wire in lo see SmartCAN Data	cation.	y) do not	1	2		
Wire positions These	and connection pnotes relate fitting	points etc a	are given. Use pr elay. For TF2302	obe to identi	fy correct wire in lo see SmartCAN Data	cation.	y) do not	1 4	2		
Wire positions These	and connection protes relate fitting Vehicle Wire Connection	points etc a	are given. Use pr elay. For TF2302	obe to identi	fy correct wire in lo see SmartCAN Data	cation.	y) do not	1 4 7	2 5 8	3 6 9	
Wire positions These	and connection protes relate fitting Vehicle Wire Corange Purple	points etc a	are given. Use pr elay. For TF2302	obe to identi	fy correct wire in lo see SmartCAN Data	cation.	y) do not	1 4 7	2 5 8	3 6 9	
Wire positions These I Lights LH Flasher Fog Light RH Flasher	and connection protes relate fitting Vehicle Wire Corange Purple Fawn	points etc a	are given. Use pr elay. For TF2302	obe to identi	fy correct wire in lo see SmartCAN Data	cation.	y) do not	1 4 7 10	2 5 8 11	3 6 9	
Wire positions These I Lights LH Flasher Fog Light RH Flasher RH Side Light	and connection protes relate fitting Vehicle Wire Conange Purple Fawn Blue	points etc a	are given. Use pr elay. For TF2302	obe to identi	fy correct wire in lo see SmartCAN Data	cation.	do not	1 4 7 10	2 5 8 11	3 6 9	

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Quality, Service, Innovation

Car Data Sheet

Renault Megane Coupe, Hatchback 1996 -

7-0	Core Entry Point		Longer 7	Core Cable		Bypass Recomme F2302, see Smart0		Othe	r Rela	y Reco	omend	ed
Se	ee note below				None							
Αι	ıtomatic Trailer Fl	asher Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	a	
7 10			- No voi oinig			out out ownon,			,		9	
Fir	nd Constant Live					Find Ignition-Swi	tched Live					
- "							toneu Live					
	Colour:					Colour:						
	Location:					Location:						
Α	Add Fuse:					Add Fuse:						
Be	est Wiring Locatio	n		Route to Batte	erv		Fusebox L	ocation	.			
Ac	tting times, etc. Nacess: Remove 3 pl	lotes lastic panels at rea	ar, one each	side of lights an	nd one in the ce	by battery condition entre. 7-core access nection. Coupe:via	s: vent behir					
						y correct wire in lo			1	2	3	
	Lights	Vehicle Wire C	Colours	Alternati	ive	L	ocation		4	5	6	
	LH Flasher	Orange							7	8	9	
	Fog Light	Purple							10	11	12	
	RH Flasher	Beige										
	RH Side Light	Blue							13	14	15	
	Brake Light	Brown										
	LH Side Light	Blue							16	17	18	
	Reverse	White							49	28	24	

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Renault Megane RX4 All 2000 -

7-Core Entry Point		Longer 7	Core Cable		Bypass Recomme F2302, see Smart0		Othe	r Rela	y Reco	omende
21		2m		Fog (On	y has low fuse)					
Automatic Trailer Fla	asher Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	g
Find Constant Live		I			Find Ignition-Sw	itched Live	1			
Colour:					Colour:					
Location: 16					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Location	n		Route to Batte	ry		Fusebox Lo	cation)		
21 lamp			Along chassis -	protect with c	onvoluted tubing	Dash, R/H (12)			
Choose nowe	er source carefull	v. On cars	with nower man	11) taamaner	hy hattery condition		do no	t ao ta	the b	atterv.
Fitting times, etc. No		,	with power man	lagement (ID	by battery condition	on in display,		- 90		
Fitting times, etc. No Wire positions a These n	and connection p	oints etc a g bypass re	re given. Use pr elay. For TF2302	obe to identif	y correct wire in k	ocation. a		1 4	2	3 6
Wire positions a These n	and connection p notes relate fitting Vehicle Wire C	oints etc a g bypass re	re given. Use pr	obe to identif	y correct wire in k	ocation. a .ocation		1		3 6 9
Wire positions a These n Lights LH Flasher	and connection p notes relate fitting Vehicle Wire C Orange	oints etc a g bypass re	re given. Use pr elay. For TF2302	obe to identif	y correct wire in k	ocation. a .ocation		1 4 7	5	3 6 9
Wire positions a These n Lights LH Flasher Fog Light	and connection protes relate fitting Vehicle Wire C Orange Purple	oints etc a g bypass re	re given. Use pr elay. For TF2302	obe to identif	y correct wire in k	ocation. a .ocation 19 21		1 4	5	3 6 9 12
Wire positions a These n Lights LH Flasher Fog Light RH Flasher	and connection protes relate fitting Vehicle Wire C Orange Purple Mustard	oints etc a g bypass re	re given. Use pr elay. For TF2302	obe to identif	y correct wire in k	ocation. a Location 19 21 21		1 4 7	5	3 6 9
Wire positions a These n Lights LH Flasher Fog Light RH Flasher RH Side Light	and connection protes relate fitting Vehicle Wire C Orange Purple Mustard Blue	oints etc a g bypass re	re given. Use pr elay. For TF2302	obe to identif	y correct wire in k	ocation. a .ocation 19 21 21 21		1 4 7	5	3 6 9
Wire positions a These n Lights LH Flasher Fog Light RH Flasher	and connection protes relate fitting Vehicle Wire C Orange Purple Mustard	oints etc a g bypass re	re given. Use pr elay. For TF2302	obe to identif	y correct wire in k	ocation. a Location 19 21 21		1 4 7 18	5 8	3 6 9

Quality, Service, Innovation

LH Side Light

Reverse

Blue

White

19

21

ar Data Shee	et				Rena	ult Mega	ane S	alo	on e	tc 20	JU2 -
7-Core Entry Point		Longer 7 Core	e Cable		Bypass Recommer F2302, see SmartC		Other	Rela	y Reco	omend	ed
21				None							
Automatic Trailer F	lasher Monitor	Reversing Ser	nsor		Cut Out Switch, e	tc.	Mfr's	Towir	ng Plu	g	
Find Constant Live					Find Ignition-Swi	tched Live					
Colour:					Colour:						
Location: Fusebox	x				Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	on	Ro	ute to Battery			Fusebox Lo	ocation				
						Glove box (gromme	t behi	nd)		
Choose power	er source careful	ly. On cars with	n power manage	ement (ID	by battery conditio	n in display)	do not	go to	the b	attery.	
Fitting times, etc. N	lotes										
Fault condition: 2003	model automatica	ally turns its light	s on in dark area	when igni	ition is on.						
					y correct wire in lo see SmartCAN Data			1 4	2	3	•
Lights	Vehicle Wire C	Colours	Alternative		L	ocation		7	8	9	
LH Flasher	White					19		•		-	-
Fog Light	White					21		10	11	12	
RH Flasher	White					21					
RH Side Light	Blue/red					21		13	14	15	
Brake Light	Orange/red					21					

Ryder Towing Equipment Ltd **Quality, Service, Innovation**

Renault Megane Scenic 1997 -

7-Core Entry Poir	nt	Longer 7	Core Cable	If 7	Bypass Recomm F2302, see Smar		Othe	r Rela	y Reco	menc	led
				Fog (Or	ly has low fuse)		Indic	ators p	ossibly	′	
Automatic Trailer	Flasher Monitor	Reversin	g Sensor		Cut Out Switch	. etc.	Mfr's	Towi	ng Plu	α	
		110101011	<u>5</u>			,				J	
Find Constant Liv	/e				Find Ignition-S	witched Live					
Colour:	-				Colour:						
Location:					Location:						
					Add Fuse:						
Add Fuse:					Add Fuse.						
Best Wiring Loca	tion		Route to Batter	v		Fusebox Lo	ocation	,			
			Dash, L/H (10)	<u></u>							
Choose no	wer source carefu	lly On care	with nower man	agement (ID	by hattery condit	ion in display) do no	t ao t	n the h	attory	
		ny. On car.	s with power man	agement (ID	by battery contain	iioii iii dispiay	, ao no	t go t	J tile D	atter y	<u> </u>
Fitting times, etc	. Notes										
	s and connection							1	2	3	
Thes	e notes relate fittir	ng bypass i	relay. For TF2302	SmartCAN,	see SmartCAN Da	ıta				,	
Lights	Vehicle Wire	Colours	Alternativ	re .		Location		7	5	6	
LH Flasher	Orange						•	Ľ.	0	3	-
										12	
Fog Light	Purple					19		10	11	12	
Fog Light RH Flasher	Purple Mustard		Cream			19		10	11	12	
	Mustard		Cream			19					
RH Flasher	Mustard		Cream			19		13	14	15	
RH Flasher RH Side Light	Mustard Blue Brown		Cream								

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Quality, Service, Innovation

Car Data Sheet

Reverse

White

Renault Megane Scenic MPV 2003 -

7-Core Entry Point	Long	er 7 Core Cable	If	Bypass Recomme TF2302, see Smart(Other I	Relay	Reco	mend
20 Grommet			None						
Automatic Trailer F	lasher Monitor Reve	rsing Sensor		Cut Out Switch,	etc.	Mfr's T	owing	g Pluṛ	
Find Constant Live	,			Find Ignition-Sw	ritched Live	-			
Colour:				Colour:					
Location:				Location:					
Add Fuse:				Add Fuse:					
Best Wiring Location	on	Route to Batter	у		Fusebox L	ocation			
21									
Choose pow	er source carefully. On	cars with power man	agement (I	D by battery conditi	on in display	/) do not g	go to t	the ba	attery
Fitting times, etc. N	lotes								
Wiring: Bring opposit	te flasher and tail light lea	ds across to connection	on point						
	and connection points on the connection points on the connection points on the connection of the conne					_ 률	1 4	2	3
Lights	Vehicle Wire Colours	Alternativ	ve		Location		7	8	9
LH Flasher	Orange	2004 Blue	е				_		
Fog Light	Purple						10	11	12
RH Flasher	Fawn					_]			
RH Side Light	Blue						13	14	15
Brake Light	Orange								
LH Side Light	Blue	2004 Ora	nge				_	-	-

Ryder Towing Equipment Ltd

Quality, Service, Innovation

Car Data Sheet

Reverse

Renault Megane Sport Tourer All 2003 -

ai Data Silee	·L			Renault IV	legane s	sport	IOU	iiei A	All Zu
7-Core Entry Point	Longe	r 7 Core Cable	If -	Bypass Recomme F2302, see Smart0		Other	Rela	y Reco	omende
			None						
Automatic Trailer FI	asher Monitor Rever	sing Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	g
Find Constant Live				Find Ignition-Sw	itched Live				
Colour:				Colour:					
Location: Battery				Location:					
Add Fuse:				Add Fuse:					
Best Wiring Locatio	n	Route to Batte	ery		Fusebox L	_ocation			
9/21									
Charas name				. h h attam . a am diti				41 1.	
Fitting times, etc. N	er source carefully. On c	ars with power mai	nagement (IL	by battery condition	on in display	y) do not	go to	tne b	attery.
	3 tip screws each side, 4	underneath , 2 each	side behind I	amps .					
	and connection points e						1	2	3
Lights	Vehicle Wire Colours	Alternat	ive	L	ocation		7	5	9
LH Flasher	Orange					_	-		,
Fog Light	Purple						10	11	12
RH Flasher	Beige					-			\square
RH Side Light	Blue						13	14	15
Brake Light	Brown								
LH Side Light	Blue						16	17	18

Ryder Towing Equipment Ltd

Quality, Service, Innovation

7-Core Entry Point		Longer 7	Core Cable		Bypass Recommer F2302, see SmartC		Other	Rela	y Reco	omended
-		2m		TF2218/7	7SMARTLOGIC					
Automatic Trailer F	lasher Monitor	Reversing	Sensor		Cut Out Switch, e	etc.	Mfr's	Towi	ng Plu	q
									<u> </u>	<u> </u>
Find Constant Live					Find Ignition-Swi	tched Live				
Colour:					Colour:					
Location: Battery					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Location	on		Route to Battery		1	Fusebox Lo	ocation			
			Along chassis RHS	S under driv	ers seat					
Chassa naw	ar aaraa aarafi.l	ly On sore	with newer menes	romant (ID	by battery condition	n in diamles	\ da nat		. 4ha h	ottom.
Fitting times, etc. N		iy. On cars	with power manaç	jement (וטו	by battery condition	n in display) do noi	go to	the b	attery.
					y correct wire in lo ee SmartCAN Data			1	2	3 _
Lights	Vehicle Wire C		Alternative				7 I	4	5	6
U			Altellialive		L	ocation			8	
LH Flasher	Mauve		Alternative		L	ocation	_	7		9
LH Flasher Fog Light	Mauve White		Alternative		L	ocation	-	10	11	12
			Alternative		L	ocation		10		
Fog Light	White		Alternative		L	ocation		10		
Fog Light RH Flasher	White Brown		Alternative		L	ocation			11	12
Fog Light RH Flasher RH Side Light	White Brown Blue		Alternative		L	ocation			11	12

Quality, Service, Innovation

7-Core Entry Point		Longer 7 (Core Cable		Bypass Recommen F2302, see SmartC <i>F</i>		Other	Rela	y Reco	mend	ed
19				None							
Automatic Trailer F	lasher Monitor	Reversing	Sensor		Cut Out Switch, et	C.	Mfr's	Towi	na Plu	1	
					,					·	
Find Constant Live					Find Ignition-Swite	ched Live					
Colour:					Colour:						
Location:					Location: 19						
Add Fuse:					Add Fuse:						
Best Wiring Location	on		Route to Battery			Fusebox Lo	cation				
19, roof trim			,								
Choose pow Fitting times, etc. N		ly. On cars	with power manag	ement (ID	by battery condition	in display)	do not	go to	the b	attery.	
					y correct wire in loc ee SmartCAN Data	ation.	_	1	2	3	
							_	4	5	6	
Lights	Vehicle Wire C	colours	Alternative		Lo	cation				-	
Lights LH Flasher	Vehicle Wire C	colours	Alternative		Lo	cation	▋	7	8	9	
		colours	Alternative		Lo	ncation 19	▋		8	9	1
LH Flasher	Beige	colours	Alternative		Lc			7			
LH Flasher Fog Light	Beige Purple	colours	Alternative		Lo			7			
LH Flasher Fog Light RH Flasher	Beige Purple Beige	colours	Alternative		Lo			10	11	12	•
LH Flasher Fog Light RH Flasher RH Side Light	Beige Purple Beige Blue	colours	Alternative		Lo			10	11	12	

Quality, Service, Innovation

Car Data Sheet

Renault Vel Satis Hatchback 2003 -

7-Core Entry Point		Longer 7	Core Cable		Bypass Recommer F2302, see SmartC		Other R	elay Ro	ecome	nded
				TF2218/7	7SMARTLOGIC					
Automatic Trailer Fla	sher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's To	wina F	Plua	
			,					9	9	
Find Constant Live					Find Ignition-Swit	ched Live				
					Colour:	orica Erre				
Colour:										
Location: Battery					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Location	1		Route to Batter	v		Fusebox Lo	ocation			
19, 21 Lamps			Along chassis - I		onvoluted tubing					
Choose powe	r source careful	lv. On cars	with power man	agement (ID	by battery conditio	n in display	do not a	o to the	e batte	rv.
Fitting times, etc. No		.,			,					· y ·
i itting times, etc. ive	0103									
	nd connection p				y correct wire in lo			2	3	
These n	nd connection potes relate fittin	g bypass re	elay. For TF2302	SmartCAN, s	ee SmartCAN Data				3 6	<u> </u>
	nd connection p	g bypass re		SmartCAN, s	ee SmartCAN Data			5	3 6	
These n	nd connection potes relate fittin	g bypass re	elay. For TF2302	SmartCAN, s	ee SmartCAN Data		- E	5	3 6 9	
These no	nd connection potes relate fittin	g bypass re	elay. For TF2302	SmartCAN, s	ee SmartCAN Data		- E	8	6	
These notes that the second se	nd connection potes relate fittin Vehicle Wire C	g bypass re	elay. For TF2302	SmartCAN, s	ee SmartCAN Data	ocation	4	8	6	
These not be a second of the s	nd connection potes relate fittin Vehicle Wire C Green Brown	g bypass re	elay. For TF2302	SmartCAN, s	ee SmartCAN Data	ocation	4	s 5 7 8 0 11	6 9	+
Lights LH Flasher Fog Light RH Flasher	nd connection potes relate fittin Vehicle Wire C Green Brown Green	g bypass re	elay. For TF2302	SmartCAN, s	ee SmartCAN Data	ocation		s 5 7 8 0 11	6 9	+
Lights LH Flasher Fog Light RH Flasher RH Side Light	vehicle Wire C Green Brown Green Pink	g bypass re	elay. For TF2302	SmartCAN, s	ee SmartCAN Data	ocation		5 5 7 8 8 0 111 3 144	6 9 12	+

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Quality, Service, Innovation

Core Entry Point		Longer 7 (Core Cable		Bypass Recommene F2302, see SmartCA		Other R	elay Re	ecomende
				None					
utomatic Trailer Fl	asher Monitor	Reversing	Sensor		Cut Out Switch, et	c.	Mfr's To	wing P	lug
nd Constant Live					Find Ignition-Swite	hed Live			
Colour:					Colour:				
Location:					Location:				
Add Fuse:					Add Fuse:				
est Wiring Location Below Lamp in ma			Route to Battery	у		Fusebox L	ocation		
Choose power	er source careful	ly. On cars	with power mana	agement (ID	by battery condition	in display) do not g	o to the	battery.
itting times, etc. N	lotes								
					y correct wire in loc see SmartCAN Data	ation.			3
		g bypass re		SmartCAN, s	see SmartCAN Data	ation.	- E	5	3 6
These	notes relate fittin	g bypass re	elay. For TF2302	SmartCAN, s	see SmartCAN Data		- E	_	3 6 9
These I	Vehicle Wire C	g bypass re	elay. For TF2302	SmartCAN, s	see SmartCAN Data			5	3 6 9
Lights LH Flasher	Vehicle Wire C	g bypass re	elay. For TF2302	SmartCAN, s	see SmartCAN Data			5 8	6 9
Lights LH Flasher Fog Light	Vehicle Wire C Green/red Blue/yellow	g bypass re	elay. For TF2302	SmartCAN, s	see SmartCAN Data			5 8	6 9
Lights LH Flasher Fog Light RH Flasher	Vehicle Wire C Green/red Blue/yellow Green/white	g bypass re	elay. For TF2302	SmartCAN, s	see SmartCAN Data			5 7 8 0 11	6 9
Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire C Green/red Blue/yellow Green/white Red/orange	g bypass re	elay. For TF2302	SmartCAN, s	see SmartCAN Data			5 7 8 0 11	6 9

Quality, Service, Innovation

Rover 200 Hatchback Oct 1989 -1995

7-Core Entry Point		Longer 7 C	ore Cable		Bypass Recommer F2302, see SmartC		Other	Rela	y Reco	mend	ed
				Brake cir	cuit						
Automatic Trailer Fla	sher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's	Towi	ng Plu	g	
ind Constant Live					Find Ignition-Swit	ched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	<u> </u>		Route to Battery			Fusebox Lo	ocation				
Choose power	r source carefu	lly. On cars v	with power mana	agement (ID	by battery conditio	n in display) do not	go to	the ba	attery	
Fitting times, etc. No	otes										
Wire positions an	nd connection otes relate fittin	ooints etc ar g bypass rel	e given. Use pro lay. For TF2302 S	be to identif SmartCAN, s	y correct wire in lo see SmartCAN Data	cation.		1	2	3	_
Wire positions at These no	nd connection potes relate fittin	g bypass rel	e given. Use pro lay. For TF2302 S	SmartCAN, s	see SmartCAN Data	cation.		4	5	3 6	1
These no	otes relate fittin	g bypass rel	lay. For TF2302 S	SmartCAN, s	see SmartCAN Data	1		-		3 6 9	
These no	otes relate fittin	g bypass rel	lay. For TF2302 S	SmartCAN, s	see SmartCAN Data	1		4	5	3 6 9	
These no	otes relate fittin	g bypass rel	lay. For TF2302 S	SmartCAN, s	see SmartCAN Data	1		7	5	6 9	
These no Lights LH Flasher Fog Light	otes relate fittin	g bypass rel	lay. For TF2302 S	SmartCAN, s	see SmartCAN Data	1		7	5	6 9	
These no Lights LH Flasher Fog Light RH Flasher	otes relate fittin	g bypass rel	lay. For TF2302 S	SmartCAN, s	see SmartCAN Data	1		10	5 8 11	9	
Lights LH Flasher Fog Light RH Flasher RH Side Light	otes relate fittin	g bypass rel	lay. For TF2302 S	SmartCAN, s	see SmartCAN Data	1		10	5 8 11	9	

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Quality, Service, Innovation

		Longer 7 C	Core Cable		Bypass Recommen F2302, see SmartCA		Othe	r Rela	y Reco	meno
				None						
utomatic Trailer F	lasher Monitor	Reversing	Sensor		Cut Out Switch, et	c.	Mfr's	Towi	ng Plu	g
nd Constant Live					Find Ignition-Swit	ched Live				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
est Wiring Location	on		Route to Batter	у		Fusebox L	ocation	١		
Choose pow	er source careful	ly. On cars \	with power man	agement (ID	by battery condition	n in display) do no	t go to	o the ba	attery
itting times, etc. N	lotes									
Wire positions	and connection p				y correct wire in loo see SmartCAN Data	cation.		1	2	3
Wire positions	and connection p	g bypass rel		SmartCAN, s	see SmartCAN Data	cation.		4	5	3 6
Wire positions These	and connection p	g bypass rel	lay. For TF2302	SmartCAN, s	see SmartCAN Data			-		3 6 9
Wire positions These	and connection p notes relate fittin Vehicle Wire C	g bypass rel	lay. For TF2302	SmartCAN, s	see SmartCAN Data			4	5	3 6 9
Wire positions These Lights LH Flasher	and connection protes relate fittin Vehicle Wire Connection	g bypass rel	lay. For TF2302	SmartCAN, s	see SmartCAN Data			7	5	3 6 9
Wire positions These Lights LH Flasher Fog Light	and connection protes relate fittin Vehicle Wire Connection Red/green Blue/yellow	g bypass rel	lay. For TF2302	SmartCAN, s	see SmartCAN Data			7	5	3 6 9 12
Wire positions These Lights LH Flasher Fog Light RH Flasher	and connection protes relate fittin Vehicle Wire Control Red/green Blue/yellow Green/white	g bypass rel	lay. For TF2302	SmartCAN, s	see SmartCAN Data			4 7 10	5 8	
Wire positions These Lights LH Flasher Fog Light RH Flasher RH Side Light	and connection protes relate fittin Vehicle Wire Control Red/green Blue/yellow Green/white Red	g bypass rel	lay. For TF2302	SmartCAN, s	see SmartCAN Data			4 7 10	5 8	

Quality, Service, Innovation

7-Core Entry Point		Longer 7	Core Cable		Bypass Recommer F2302, see SmartC		Other Rela	y Reco	omended
				None					
Automatic Trailer FI	asher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's Tow	ing Plu	g
							21 at lamp	(not all)
Find Constant Live					Find Ignition-Swit	ched Live			
Colour:					Colour:				
Location:					Location:				
Add Fuse:					Add Fuse:				
Best Wiring Locatio	ın		Route to Battery	,		Fusebox L	ocation		
		ly. On cars	with power mana	igement (ID	by battery conditio	n in display	/) do not go t	o the b	attery.
Fitting times, etc. N	lotes								
			re given. Use pro elay. For TF2302 S		y correct wire in lo		_ 1	2	3
Lights		9) [,						_
	Vahicla Wira C	oloure	Alternativ	Δ			4	5	6
	Vehicle Wire C	colours	Alternativ	е		ocation	7	5 8	9
LH Flasher	Green/red	colours							9
		colours	Alternative Red/yellow				7	8	9 12
LH Flasher Fog Light RH Flasher	Green/red Blue/yellow Green/white	colours		ı			10	8 11	
LH Flasher Fog Light RH Flasher RH Side Light	Green/red Blue/yellow	colours	Red/yellow	ı			7	8	12
LH Flasher Fog Light RH Flasher	Green/red Blue/yellow Green/white Red/orange	Colours	Red/yellow	ı			10	8 11	

Quality, Service, Innovation

7-Core Entry Point		Longer 7 (Core Cable		Bypass Recommer F2302, see SmartC		Othe	r Rela	y Reco	meno	led
				None							
Automatic Trailer Fl	asher Monitor	Reversing	Sensor		Cut Out Switch, e	tc	Mfr's	Towi	ng Plu	<u> </u>	
	asilei Monitoi	Reversing	<u>ocnsor</u>		out out owners, o		WIII 3	1011	ilg i iu	9	
Find Constant Live					Find Ignition-Swi	ched Live					
					Colour:						
Colour:					Location:						
Location:					Add Fuse:						
Add Fuse:					Add Fuse.						
Best Wiring Locatio	n		Route to Battery	,		Fusebox Lo	cation				
Choose power	er source careful	ly. On cars	with power mana	gement (ID	by battery conditio	n in display)	do no	go to	o the b	attery	
Fitting times, etc. N	lotes										
Wire positions											
					y correct wire in lo ee SmartCAN Data			1	2	3	
		g bypass re		SmartCAN, s	ee SmartCAN Data			4	5	3 6	
These r	notes relate fittin	g bypass re	lay. For TF2302 S	SmartCAN, s	ee SmartCAN Data	l		-		3 6 9	
These r	Vehicle Wire (g bypass re	lay. For TF2302 S	SmartCAN, s	ee SmartCAN Data	l		4	5	3 6 9	
These r Lights LH Flasher	Vehicle Wire (Green/blue	g bypass re	lay. For TF2302 S	SmartCAN, s	ee SmartCAN Data	l		4	5	6	
Lights LH Flasher Fog Light	Vehicle Wire (Green/blue Red/yellow	g bypass re	lay. For TF2302 S	SmartCAN, s	ee SmartCAN Data	ocation		4	5	6	
Lights LH Flasher Fog Light RH Flasher	Vehicle Wire G Green/blue Red/yellow Green/yellow	g bypass re	lay. For TF2302 S	SmartCAN, s	ee SmartCAN Data	ocation 21		7 10	5 8 11	6 9	
Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire (Green/blue Red/yellow Green/yellow Red/black	g bypass re	lay. For TF2302 S	SmartCAN, s	ee SmartCAN Data	ocation 21 21		7 10	5 8 11	6 9	

Quality, Service, Innovation

Car Data Sheet Rover 45 Saloon 2000 -

7-Core Entry Point		Longer 7	Core Cable	If 7	Bypass Recomme F2302, see Smart0		Othe	r Rela	y Reco	omeno	led
				None							
Automatic Trailer F	lasher Monitor	Reversing	Sensor		Cut Out Switch,	etc	Mfr's	Towi	ng Plu	a	
	lastici Monitoi	reversing	Consor		out out owners,	C.C.	IVIII S	1011	iig i iu	9	
Find Constant Live					Find Ignition-Sw	itched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	on		Route to Battery		'	Fusebox Lo	ocation	1			
2001 THINING 2004LI			reducte Editory			T GOODOX E	oouo.	-			
Choose pow	er source careful	ly. On cars	with power manage	gement (ID	by battery condition	on in display) do no	t go to	the b	attery	-
Fitting times, etc.	Notes										
Wire positions	and connection p	oints etc a	re given. Use prob	e to identi	fy correct wire in le	ocation.					ı
These	notes relate fitting	g bypass re	elay. For TF2302 S	martCAN,	see SmartCAN Dat	а		1	2	3	
Lights	Vehicle Wire C	olours	Alternative	1		Location		7	5	6	
LH Flasher	Green/blue						_	Ľ.	8	9	-
Fog Light	Red/yellow							10	11	12	
RH Flasher	Green/yellow										
RH Side Light	Red/black							13	14	15	
RH Side Light Brake Light	Red/black Green/white					19,22		13	14	15	
						19,22		13	14	15	

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-Core Entry Point		Longer 7 (Core Cable		Bypass Recommer F2302, see SmartC		Other	Rela	y Reco	mend	ed
9/21 Grommet				None							
Automatic Trailer Fl	lasher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's	Towi	ng Plug	3	
					,		19 Mu				
ind Constant Live					Find Ignition-Swi	ched Live					
Colour:					Colour:				-		
Location:					Location:						
Add Fuse:					Add Fuse:						
			T			T					
Best Wiring Location	on		Route to Battery	<u>/</u>		Fusebox L	ocation				
		ly. On cars	with power mana	igement (ID	by battery conditio	n in display) do not	go to	the ba	attery.	
Fitting times, etc. N	lotes										—
					y correct wire in lo		٦	1	2	3	
					y correct wire in lo see SmartCAN Data					3	•
		g bypass re		SmartCAN, s	see SmartCAN Data			4	5	3 6	•
These	notes relate fittin	g bypass re	elay. For TF2302 S	SmartCAN, s	see SmartCAN Data					3 6 9	
These I	Vehicle Wire C	g bypass re	elay. For TF2302 S	SmartCAN, s	see SmartCAN Data			4	5	3 6 9	
These	Vehicle Wire C	g bypass re	elay. For TF2302 S	SmartCAN, s	see SmartCAN Data			7	5	6	
Lights LH Flasher Fog Light	Vehicle Wire C Green/blue Red/green	g bypass re	elay. For TF2302 S	SmartCAN, s	see SmartCAN Data			7	5	6	
Lights LH Flasher Fog Light RH Flasher	Vehicle Wire C Green/blue Red/green Green/yellow	g bypass re	elay. For TF2302 S	SmartCAN, s	see SmartCAN Data			4 7 10	5 8 11	9	
Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire C Green/blue Red/green Green/yellow Red/black	g bypass re	elay. For TF2302 S	SmartCAN, s	see SmartCAN Data			4 7 10	5 8 11	9]

Quality, Service, Innovation

Car Data Shee	et					R	over	75 \$	Salo	on 2	000 -
7-Core Entry Point		Longer 7 (Core Cable		Bypass Recomme F2302, see SmartC		Othe	r Rela	y Reco	omeno	led
20 Grommet				TF2218/7	7SMARTLOGIC						
Automatic Trailer F	lasher Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	ıg	
Find Constant Live					Find Ignition-Sw	itched Live					
Colour:					Colour: Gree	en/red					
Location: 10					Location: 18						
Add Fuse:					Add Fuse:						
Best Wiring Location	n .		Route to Batte	P1/		Fusebox L	ocation				
21)II		Route to batte	ту		rusebox L	.ocalioi	1			
Choose pow	er source carefu	lly. On cars	with power mar	nagement (ID	by battery condition	on in display	/) do no	t go t	o the b	attery	-
Fitting times, etc. N	Notes										
Fault condition: If you have been restored a						vill show a bu	ılb failur	e con	dition u	ntil all	lights
Reverse sensors: Fire cut out when towing				Sensor". Heav	riest wire (green/red	d) feeds sour	ider. Ins	ert TF	R1 on t	this wi	re to
	`		,								
					y correct wire in Id ee SmartCAN Data			1	2	3	L
Lights	Vehicle Wire	Colours	Alternati	ive	L	_ocation		4	5	6	
LH Flasher	Green/pink							Ĥ		-	_
Fog Light	Blue/white					21		10	11	12	
RH Flasher	Green/grey							\vdash		-	
RH Side Light	Red/blue										

Brake Light

Reverse

LH Side Light

Green/blue Red/brown

Green/brown

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7-Core Entry Point		Longer 7 C	ore Cable		Bypass Recommer F2302, see SmartC		Other	Rela	y Reco	omende
See note below				TF2218/7	'SMARTLOGIC					
Automatic Trailer Fl	asher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's	Towi	ng Plu	a
					,				<u> </u>	<u> </u>
Find Constant Live					Find Ignition-Swi	tched Live				
					Colour:					
Colour: Location:					Location:					
Add Fuse:					Add Fuse:					
Add Fuse.					Add I use.					
Best Wiring Locatio	n		Route to Battery			Fusebox L	ocation			
Choose power	er source carefull	y. On cars v	vith power manag	ement (ID	oy battery conditio	n in display) do not	go to	o the b	attery.
Fitting times, etc. N	lotes									
7-core entry: Gromm		tape, botton	n corner below light	, leads to la	irge cavity inside, be	ehind trim.				
Wire positions	and connection p	oints etc are	e given. Use probe	to identify	correct wire in lo	cation.	Г	. 1	_	
These	notes relate fitting	g bypass rel	ay. For TF2302 Sn	nartCAN, s	ee SmartCAN Data			1	2	3
Lights	Vehicle Wire C	olours	Alternative		L	ocation		4	5	6
LH Flasher	Green/pink						▝	7	8	9
Fog Light	Blue/white							10	11	12
RH Flasher	Green/grey									
RH Side Light	Red/blue							13	14	15
Brake Light	Green/blue									
LH Side Light	Red/blue							16	17	18
Reverse	Green/brown									

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		Longer 7 C	ore Cable		Bypass Recommen F2302, see SmartC		Other Rela	y Reco	omende
				Fog (TF0	C1 or TF1011)				
utomatic Trailer Fl	asher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's Towi	ng Plu	g
ind Constant Live					Find Ignition-Swit	ched Live	1		
Colour:					Colour:				
Location:					Location:				
Add Fuse:					Add Fuse:				
est Wiring Location			Route to Battery			Fusebox L			
est Willing Locatio	'11		Route to Battery			I USCOON E	ocation		
Choose now	ar source carefully	. On care w	with nower manage	ement (ID	by battery condition	n in dienlav) do not go t	n the h	attory
Choose power		/. On cars v	vith power manag	ement (ID	by battery condition	n in display) do not go to	o the b	attery.
Fitting times, etc. N	lotes	oints etc are	e given. Use probe	e to identif	y correct wire in lo	cation.) do not go to	o the b	attery.
Wire positions These	lotes	oints etc are	e given. Use probe	e to identif		cation.			
Fitting times, etc. N	lotes	oints etc are bypass rel	e given. Use probe	e to identif	y correct wire in locee SmartCAN Data	cation.	1	2	
Wire positions These	and connection ponotes relate fitting	oints etc are bypass rel	e given. Use probe ay. For TF2302 Sn	e to identif	y correct wire in loc see SmartCAN Data	cation.	1 4 7	2 5 8	3 6 9
Wire positions These	and connection ponotes relate fitting	oints etc are bypass rel	e given. Use probe ay. For TF2302 Sn	e to identif	y correct wire in loc see SmartCAN Data	cation.	1 4	2	3 6
Wire positions These	and connection ponotes relate fitting Vehicle Wire Co	oints etc are bypass rel	e given. Use probe ay. For TF2302 Sn	e to identif	y correct wire in loc see SmartCAN Data	cation.	1 4 7	2 5 8	3 6 9
Wire positions These	and connection ponotes relate fitting Vehicle Wire Congreen/red Blue/yellow	oints etc are bypass rel	e given. Use probe ay. For TF2302 Sn	e to identif	y correct wire in loc see SmartCAN Data	cation.	1 4 7	2 5 8	3 6 9
Wire positions These Lights LH Flasher Fog Light RH Flasher	and connection ponotes relate fitting Vehicle Wire Congreen/red Blue/yellow Green/white	oints etc are bypass rel	e given. Use probe ay. For TF2302 Sn	e to identif	y correct wire in loc see SmartCAN Data	cation.	1 4 7 10	2 5 8 11	3 6 9
Wire positions These Lights LH Flasher Fog Light RH Flasher RH Side Light	and connection ponotes relate fitting Vehicle Wire Conference Green/red Blue/yellow Green/white Red/orange	oints etc are bypass rel	e given. Use probe ay. For TF2302 Sn	e to identif	y correct wire in loc see SmartCAN Data	cation.	1 4 7 10	2 5 8 11	3 6 9

Quality, Service, Innovation

7-Core Entry Point		Longer 7	Core Cable	If T	Bypass Recommer F2302, see SmartC	ided AN data	Other	Rela	y Reco	omende	∌d
Automatic Trailer Fla	asher Monitor	Reversing	g Sensor		Cut Out Switch, e	tc.	Mfr's	Towi	ng Plu	g	
Find Constant Live		•			Find Ignition-Swi	ched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Locatio	n		Route to Battery			Fusebox L	ocation				
		ly. On cars	with power manag	jement (ID	by battery conditio	n in display) do not	go to	o the b	attery.	
Fitting times, etc. N See Rover equivalent											
Occ Novel equivalent	•										
			are given. Use prob elay. For TF2302 Si					1 4	2	3	•
Lights	Vehicle Wire C	Colours	Alternative		L	ocation		7	8	9	
LH Flasher								•	-	-	•
Fog Light								10	11	12	
RH Flasher										\square	
RH Side Light								13	14	15	
Brake Light											
LH Side Light							▁▍▐▍	16	17	18	
Reverse											

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7-Core Entry Point		Longer 7 Co	ore Cable		Bypass Recomme 2302, see SmartC		Other	Rela	y Reco	mend	ed
				TF2218/7	SMARTLOGIC						
Automatic Trailer Fl	lasher Monitor	Reversing S	Sensor		Cut Out Switch, e	etc.	Mfr's	Towi	ng Plu	g	
Find Constant Live					Find Ignition-Swi	tched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
						1					
Best Wiring Location	on	F	Route to Battery			Fusebox Lo	cation				
-		ly. On cars w	ith power manage	ement (ID I	by battery condition	on in display)	do not	go to	the b	attery.	-
Fitting times, etc. N											
Wiring: Brake & side work corrrectly.	lights share one w	ire. Connect i	red wire only from i	elay to run	both circuits. Do no	ot connect thir	ı brown	or bi	ack. All	iamps	WIII
					/ correct wire in lo			1	2	3	
i nese i	notes relate littin	g bypass reia	iy. For 1F2302 511	iartcan, s	ee SmartCAN Data		_	4	5	6	
Lights	Vehicle Wire C	olours	Alternative		L	ocation	▁▐▍	7	8	9	
LH Flasher	Blue/white							_	_	H	-
Fog Light	Yellow/green							10	11	12	
RH Flasher	Blue/purple									\vdash	
RH Side Light			Do not conne	ect				13	14	15	
Brake Light	Mauve										
LH Side Light			Do not conne	ect				16	17	18	
Reverse	Green							19	28	24	-

Quality, Service, Innovation

Car Data Sheet Saab 900 All Mid 1994 -

7-Core Entry Point		Longer 7	Core Cable	If	Bypass Recomm TF2302, see Smar		Other	Rela	y Reco	omeno	ed
19/21 Grommet				3-way	Stop & L/R tails						
Automatic Trailer Fla	asher Monitor	Reversing	a Sensor		Cut Out Switch	. etc.	Mfr's T	owii	na Plu	a	
			,			,			<u> </u>	<u> </u>	
Find Constant Live					Find Ignition-S	witched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Add Fuse.					Add I use.						
Best Wiring Location	n		Route to Battery	,		Fusebox L	ocation				
Choose power		y. On cars	with power mana	gement (I	D by battery condi	tion in display	/) do not (go to	the b	attery	
					itify correct wire in , see SmartCAN Da		4	1	2	3	
Lights	Vehicle Wire C	olours	Alternative	e		Location		7	5	9	
LH Flasher	Grey/black						╴╴┺	•		-	-
Fog Light	Blue/brown		Reddish br	rown		19		10	11	12	
RH Flasher	Green/black	-						\dashv			
								- 1			
RH Side Light	Brown/green							13	14	15	
RH Side Light Brake Light	Brown/green Blue/orange							13	14	15	
								13	17	15	l

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Saab 9000CSE Saloon 1996 -

7-Core Entry Point		Longer 7 C	ore Cable		Bypass Recommer F2302, see SmartC		Other	Rela	y Reco	meno	led
				None							
Automatic Trailer Fl	asher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's	Towi	ng Plu		
		J			,		19 Mu			<u> </u>	
Find Constant Live					Find Ignition-Swi	tched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Add I use.					Add 1 d3C.						
Best Wiring Locatio	n		Route to Battery	 I		Fusebox Lo	cation				
Choose power	er source careful	ly. On cars	with power mana	gement (ID	by battery conditio	n in display)	do not	go to	o the ba	attery	
Fitting times, etc. N	lotes										
					y correct wire in lo ee SmartCAN Data			1	2	3	
These r	notes relate fittin	g bypass re	lay. For TF2302 S	SmartCAN, s	ee SmartCAN Data	ı	_	1 4	2	3	
These r	Vehicle Wire 0	g bypass re		SmartCAN, s	ee SmartCAN Data			-		3 6 9	
These r Lights LH Flasher	Vehicle Wire (Blue/white	g bypass re	lay. For TF2302 S	SmartCAN, s	ee SmartCAN Data	ı		4	5	6 9	
These r	Vehicle Wire 0	g bypass re	lay. For TF2302 S	SmartCAN, s	ee SmartCAN Data	ı		4	5	3 6 9	
These r Lights LH Flasher	Vehicle Wire (Blue/white	g bypass re	lay. For TF2302 S	SmartCAN, s	ee SmartCAN Data	ı		4	5	6 9	
Lights LH Flasher Fog Light	Vehicle Wire (Blue/white Blue/red	g bypass re	lay. For TF2302 S	SmartCAN, s	ee SmartCAN Data	ı		4	5	6 9	
Lights LH Flasher Fog Light RH Flasher	Vehicle Wire O Blue/white Blue/red Red/white	g bypass re	lay. For TF2302 S	SmartCAN, s	ee SmartCAN Data	ı		7	5 8	9 12	
Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire O Blue/white Blue/red Red/white Green	g bypass re	lay. For TF2302 S	SmartCAN, s	ee SmartCAN Data	ı		7	5 8	9 12	

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Quality, Service, Innovation

7-Core Entry Point 20 Grommet left of centr Automatic Trailer Flasi Find Constant Live Colour: Location: Trailer plug	e	7 Core Cable ing Sensor		Bypass Recommended TF2302, see SmartCAN d 7/SMARTLOGIC Cut Out Switch, etc. Find Ignition-Switched	ata TF2	ner Rela 2218/7S	MARTI	
Automatic Trailer Flasi Find Constant Live Colour:	-	ing Sensor	TF2218	Cut Out Switch, etc.				
Find Constant Live Colour:	ner Monitor Revers	ing Sensor			Mfr	's Towi	ng Plu	g
Colour:				Find Ignition-Switched				
Colour:				Find Ignition-Switched				
					l Live			
Location: Trailer plug				Colour:				
Location. Trailer plug				Location:				
Add Fuse:				Add Fuse:				
Best Wiring Location		Route to Battery	y	Fus	ebox Location	on		
19 Lamp								
Choose power s	ource carefully. On ca	rs with power mana	agement (ID	by battery condition in	display) do n	ot go to	the b	attery.
Fitting times, etc. Note	 9\$							
f brake light latches on	when TF2218 is used, u	se grey for brakes ar	nd red for re	verse; or use a TF2217X				
Fault condition: don't use	the N/S side light wire	because in reverse a	a signal dow	n the N/S circuit brings the	trailer side li	ghts on.		
•	l connection points etc es relate fitting bypass			ify correct wire in location see SmartCAN Data	n.	1	2	3
Lights	/ehicle Wire Colours	Alternativ	/ <u>A</u>	Locati	on	4	5	6
_	Brown	Aiternativ	, c	Locati		7	8	9
	Blue					10	11	12
0 0	Brown/yellow							
	Blue/yellow							
	Purple					13	14	15

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LH Side Light

Reverse

Blue

Green

Car Data Sheet Saab 9-3 Estate 2003 -

7-Core Entry Point		Longer 7	Core Cable		Bypass Recommo F2302, see Smart		Othe	r Rela	y Reco	omeno	bek
				TF2218/	7SMARTLOGIC						
Automatic Trailer Fla	asher Monitor	Reversing	g Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	a	
			9		,					<u> </u>	
Find Constant Live					Find Ignition-Sw	ritched Live					
Colour:					Colour:						
Location: Fusebox,	roar				Location:						
Add Fuse:	, icai				Add Fuse:						
Best Wiring Location	n		Route to Battery	,		Fusebox L	ocation	1			
19			Troute to Buttery			19	ooutioi	•			
Choose power	r source careful	lv. On cars	with power mana	gement (ID	by battery conditi	ion in display) do no	t ao t	o the b	atterv	 /.
Fitting times, etc. No		.,		J (,	,	,	- 3			
r itting timoo, otor itt											
W		!									
			are given. Use prol elay. For TF2302 S				_	1	2	3	L
Lights	Vehicle Wire C	coloure	Alternative	•		Location		4	5	6	
LH Flasher	Blue/white	Joiours	Alternative			Location	_ •	7	8	9	
Fog Light	Yellow/green							10	11	12	
RH Flasher	Blue/purple					19					
	Pink										
RH Side Light								13	14	15	
RH Side Light Brake Light											
Brake Light LH Side Light	Brown/yellow White							16	17		

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Quality, Service, Innovation

7-Core Entry Point		Longer 7	Core Cable	If 7	Bypass Recommer F2302, see SmartC		Other Rel	ay Reco	omende	∌d
				TF2218	7SMARTLOGIC					
Automatic Trailer Fla	asher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's Tow	ring Plu	ıg	
			-				19			
Find Constant Live		1			Find Ignition-Swi	tched Live				
Colour:					Colour:					
Location:					Location:					
Add Fuse: Slot 6A -	- 5amp				Add Fuse:					
			<u> </u>			I				
Best Wiring Location	n		Route to Batter	у		Fusebox L	ocation			
Choose nowe	er source careful	ly On cars	with nower man	agement (ID	by battery conditio	n in disnlav) do not do	to the h	atterv	
Fitting times, etc. N		iy. On cars	with power man	agement (ib	by battery condition	ii iii uispiay	, do not go	to the b	attery.	
Fitting times, etc. N	oles									
					fy correct wire in lo see SmartCAN Data		_ 1	2	3	_
	Vehicle Wire C						4	5	6	
Lights		olours	Alternativ	/e	L	ocation	7	8	9	
LH Flasher	Grey/black						10	11	12	
Fog Light	Blue/brown						- 1"	"	12	
RH Flasher	Green/black						_		+	
RH Side Light	Blue/white						13	14	15	_
Brake Light	Purple/white									
LH Side Light	Green/white						16	17	18	
Reverse	White						19	20	21	-

Quality, Service, Innovation

Car Data Sheet Saab 9-5 All 2000 -

7-Core Entry Point		Longer 7	Core Cable	If 7	Bypass Recomme F2302, see Smart0		Othe	r Rela	y Reco	menc	led
20 Grommet				None							
Automatic Trailer F	asher Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	α	
	uonoi monnoi	rtovoromg	, coco.								c panel
Find Constant Live					Find Ignition-Sw	itched Live					
Colour:					Colour: Pur						
Location: 20 multi					Location: 20 r	nultiblock					
Add Fuse: A 30 am	ip				Add Fuse:						
Best Wiring Location	ın.		Route to Battery			Fusebox L	ocation				
	<u>. </u>		Troute to Dutterly			Dash, R/H		•			
Choose pow	er source careful	y. On cars	with power manag	ement (ID	by battery condition	on in display) do no	t go to	the b	attery	•
Fitting times, etc. N	lotes										
					fy correct wire in le			1	2		
These	notes relate fitting	g bypass re	elay. For TF2302 Sr	nartCAN,	see SmartCAN Dat	a		·		3	
Lights	Vehicle Wire C	olours	Alternative		ı	ocation		7	5	6	
LH Flasher	Yellow/white							Ľ.	8	9	
Fog Light	White/red							10	11	12	
RH Flasher	Yellow/grey										
RH Side Light	Green							13	14	15	
Brake Light	Green/grey										
	-										_
LH Side Light	Blue							16	17	18	

Quality, Service, Innovation

Car Data Sheet Saab 9-5 Estate 2004 -

7-Core Entry Point	t	Longer 7	Core Cable		Bypass Recomme F2302, see SmartC		Other Relay Recomended				led
				TF2218/7	7SMARTLOGIC		TF221	18/7S	MARTL	OGIC	,
Automatic Trailer I	Flasher Monitor	Reversing	Sensor		Cut Out Switch, e	etc.	Mfr's	Towi	ng Plu	α	
			,		,						k panel
Find Constant Live	2				Find Ignition-Swi	tched Live					
Colour:	-				Colour:						
Location: Multible	ook				Location:						
Add Fuse: A 30 a					Add Fuse:						
Best Wiring Locati	ion		Route to Battery			Fusebox L	ocation				
	····		Troute to Dutterly			12 Side par					
Choose pov		ly. On cars	with power manag	ement (ID	by battery condition	on in display) do not	go to	o the b	attery	
			re given. Use probelay. For TF2302 Sr					1	2	3	
Lights	Vehicle Wire C	colours	Alternative		L	ocation		7	8	9	
LH Flasher	Yellow/white						-	-	•	,	_
Fog Light	White/red							10	11	12	
RH Flasher	Yellow/grey						-				
RH Side Light	Green							13	14	15	
Brake Light	Green/grey										
LH Side Light	Blue							16	17	18	
Reverse	Green							19	20	21	

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Quality, Service, Innovation

Car Data Sheet

Reverse

Saab 9-5 Self-levelling suspension All 2005 -

7-Core Entry Point		Longer 7 C	ore Cable		Bypass Recommer 2302, see SmartC		Othe	r Rela	y Reco	mend
				TF2218/7	SMARTLOGIC		TF22	18/7S	MARTI	_OGIC
Automatic Trailer Flash	er Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's	Towi	ng Plu	g
Find Constant Live					Find Ignition-Swit	ched Live				
Colour:			-		Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Location			Route to Battery			Fusebox L	ocation			
<u> </u>		y. On cars v	with power manage	ement (ID b	by battery conditio	n in display) do no	t go to	the b	attery.
Fitting times, etc. Notes No extra data on this car		annears to re	aguire a Smart hyna	ee						
See other Saab 9-5 sheet		appears to re	,quire a omart bypa	55						
Wire positions and These note			e given. Use probe lay. For TF2302 Sm					1	2	3
These note		g bypass rel			ee SmartCAN Data			4	5	6
These note	s relate fitting	g bypass rel	lay. For TF2302 Sm		ee SmartCAN Data					3 6 9
These note:	s relate fitting	g bypass rel	lay. For TF2302 Sm		ee SmartCAN Data			4	5	6
Lights Vo	s relate fitting	g bypass rel	lay. For TF2302 Sm		ee SmartCAN Data			7	5	6 9
Lights Vo	s relate fitting	g bypass rel	lay. For TF2302 Sm		ee SmartCAN Data			7	5	6 9
Lights Vo	s relate fitting	g bypass rel	lay. For TF2302 Sm		ee SmartCAN Data			4 7 10	5 8 11	6 9

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Quality, Service, Innovation

Car Data Shee	t					Seat	Alhar	nbr	а МЕ	PV 2	001 -
7-Core Entry Point		Longer 7 Co	ore Cable		Bypass Recomme F2302, see Smarte		Other	Rela	y Reco	omend	led
21				TF2218/	7SMARTLOGIC						
Automatic Trailer Fla	asher Monitor	Reversing S	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	g	
Find Constant Live					Find Ignition-Sw	itched Live	-				
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	n	1	Route to Battery			Fusebox L	ocation				
Choose power	er source careful	ly. On cars w	vith power manag	ement (ID	by battery conditi	on in display) do not	go to	the b	attery.	
Fitting times, etc. N	otes										
Bypass: digital check	gives text bulb-fa	ilure warning	on dash display: U	se TF2218	/7LOGIC						
Power supply : if you	use the rear lighte	er socket supp	oly, make sure it st	ays on)							
			e given. Use probe ay. For TF2302 Sn					1	2	3	
Lights	Vehicle Wire C	colours	Alternative			Location	▔▐	7	5	6	
LH Flasher	Black/white					19	-	-		,	
Fog Light	Grey/white				21	above jack		10	11	12	
RH Flasher	Black/green				21	above jack	-	\dashv		$\vdash \vdash$	
RH Side Light	Grey/red				21	above jack		13	14	15	
Brake Light	Black/red				21	ahove jack					-

				٠		
Reverse	Black/blue		19	20	21	_
LH Side Light	Grey/white	19	16	17	18	
Brake Light	Black/red	21 above jack				
RH Side Light	Grey/red	21 above jack	13	14	15	
RH Flasher	Black/green	21 above jack	_			
Fog Light	Grey/white	21 above jack	10	11	12	

Quality, Service, Innovation

Ca	r Data Sheet							S	eat A	ltea /	AII 2	2004 -
7-0	Core Entry Point		Longer 7 (Core Cable			ecommended e SmartCAN data		her Rela	ay Reco	omend	ded
21	Fog-light grommet				TF22	218/7SMARTL	OGIC	TF	2218/79	MARTI	LOGIC)
Αι	tomatic Trailer Fla	sher Monitor	Reversing	Sensor		Cut Out	Switch, etc.	Mf	r's Tow	ing Plu	ıg	
Fii	nd Constant Live					Find Ign	ition-Switched L	.ive				
	Colour:					Col	lour:					
ı	Location: 9 Fusebox	x				Loca	tion:					
Α	ndd Fuse:					Add F	use:					
Ве	est Wiring Location			Route to Batte	ery		Fuseb	ox Locati	on			
21												
	Choose power	source carefu	lly. On cars	with power ma	nagement	(ID by battery	condition in dis	splay) do	not go t	o the b	attery	·.
Fi	tting times, etc. No	tes										
	ring: Brake & side liç ork corrrectly.	ghts share one v	wire. Connec	t red wire only fr	om relay to	o run both circi	uits. Do not conne	ect thin bro	wn or b	ack. All	l lamp	s will
,	Wire positions ar These no			re given. Use p lay. For TF2302					1	2	3	
	Lights	Vehicle Wire	Colours	Alternat	ive		Location	1	7	5	6	
	LH Flasher	Black/white					19		<u> </u>		-	-
	Fog Light	Black/blue		Grey/wh	ite		19		10	11	12	
ı	PH Flasher	Black/green						1				

Lights	Vehicle Wire Colours	Alternative	Location
LH Flasher	Black/white		19
Fog Light	Black/blue	Grey/white	19
RH Flasher	Black/green		
RH Side Light		Do not connect	
Brake Light	Red/black		
LH Side Light		Do not connect	
Reverse	Black	Grey/white	

1	2	3	L
4	5	6	
7	8	9	
10	11	12	
13	14	15	
16	17	18	
19	20	21	Γ
	•		

Quality, Service, Innovation

Car Data Sheet Seat Arosa All 1998

ai Dala Silee	ι						Seat	. AIC)5a /	411 I	990
7-Core Entry Point		Longer 7 Co	re Cable		Bypass Recomme F2302, see SmartO		Other	r Rela	y Reco	omend	ed
21 Grommet				None							
Automatic Trailer Fl	asher Monitor	Reversing S	ensor		Cut Out Switch, e	etc.	Mfr's	Towi	ng Plu	g	
Find Constant Live					Find Ignition-Swi	tched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	n	F	Route to Battery			Fusebox I	_ocation				
21											
Choose power	er source carefull	y. On cars w	ith power manage	ement (ID	by battery condition	on in display	y) do not	t go to	the b	attery.	1
Fitting times, etc. N											
Wiring: Bring opposite	e flasher and tail li	ght leads acro	ss to connection p	oint							
					fy correct wire in Ic see SmartCAN Data			1 4	2	3	•
Lights	Vehicle Wire C	olours	Alternative		L	ocation		7	8	9	
LH Flasher	Black/white							<u> </u>			-
Fog Light	Grey/white							10	11	12	
RH Flasher	Green/white									$\vdash \vdash$	
RH Side Light	Grey/red							13	14	15	
Brake Light	Black/red										
LH Side Light	Grey/black							16	17	18	

Ryder Towing Equipment Ltd

Reverse

Quality, Service, Innovation

Car Data Sheet Seat Cordoba All 2003 -

7-Core Entry Point		Longer 7 C	Core Cable		Bypass Recommend F2302, see SmartCA		Other Rela	y Reco	mended
19 Grommet		12S: use 2i	n	None					
Automatic Trailer Fl	asher Monitor	Reversing	Sensor		Cut Out Switch, etc	 C.	Mfr's Towi	ng Plu	g
		J			, ,	<u> </u>			<u> </u>
Find Constant Live		1			Find Ignition-Switch	hed Live			
Colour:					Colour:				
Location:					Location:				
Add Fuse:					Add Fuse:				
Best Wiring Location	ın		Route to Battery			Fusebox Loc	cation		
Choose power	er source careful	ly. On cars v	with power manag	ement (ID	by battery condition	in display)	do not go to	o the b	attery.
Fitting times, etc. N	lotes								
Wire positions									
	and connection r	oints etc ar	e given. Use nroh	e to identif	v correct wire in loc	ation			
These					y correct wire in loc see SmartCAN Data	ation.	1	2	3
These I		g bypass re			see SmartCAN Data	ation.	4	5	3
	notes relate fittin	g bypass re	lay. For TF2302 Sr		see SmartCAN Data				3 6 9
Lights	Vehicle Wire C	g bypass re	lay. For TF2302 Sr		Lo		4	5	3 6 9
Lights LH Flasher	Vehicle Wire C	g bypass re	lay. For TF2302 Sr		Lo	cation	7	5	3 6 9 12
Lights LH Flasher Fog Light	Vehicle Wire C Black/white Green/blue	g bypass re	lay. For TF2302 Sr		Lo	cation	10	5 8 11	
Lights LH Flasher Fog Light RH Flasher	Vehicle Wire C Black/white Green/blue Black/green	g bypass re	lay. For TF2302 Sr		Lo	cation	7	5	3 6 9 12
Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire C Black/white Green/blue Black/green Grey/red	g bypass re	lay. For TF2302 Sr		Lo	cation	10	5 8 11	

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Quality, Service, Innovation

Car Data Sheet Seat Exeo All 2009

ai Dala Silet	ŧl.						Seat Exec All 2003				009 -
7-Core Entry Point		Longer 7 (Core Cable		Bypass Recommer F2302, see SmartC		Other	Rela	y Reco	omend	led
				TF2218/7	'SMARTLOGIC (see	e note below)	TF230	2 Sm	artCAI	N	
Automatic Trailer F	lasher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's	Towi	ng Plu	g	
Find Constant Live					Find Ignition-Swit	ched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	on		Route to Battery			Fusebox Lo	cation				
Choose pow	er source carefu	lly. On cars	with power mana	gement (ID	by battery conditio	n in display)	do not	go to	the b	attery.	
Fitting times, etc.	Notes										
Both fog and brake a Use relay reverse fo OR use a single byp	r fog and relay fog	for reverse	•	the number	plate lamp						
					y correct wire in lo ee SmartCAN Data		_	1	2	3	
Lights	Vehicle Wire	Colours	Alternative	•	L	ocation	┐▐	4	5	6	
LH Flasher							┪,	7	8	9	
Fog Light							1	10	11	12	
RH Flasher							┦			Ш	
RH Side Light								13	14	15	
Brake Light										"	•
LH Side Light							▮	46	47	49	

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Ryder Towing Equipment Ltd

Reverse

Quality, Service, Innovation

Car Data Sheet

Seat Ibiza Hatchback Mid 1996 -

7-Core Entry Point	Longer 7 Core Cable				Bypass Recommended If TF2302, see SmartCAN data			Other Relay Recomended				
Grommet: number pl	ate light			None								
Automatic Trailer Flasher Monitor Reversing Sensor			ı Sensor		Cut Out Switch, etc.			Mfr's Towing Plug				
			,			,			<u> </u>	<u> </u>		
Find Constant Live					Find Ignition-	Switched Live						
					Colour:							
Colour:					Location:							
Location:					Add Fuse:							
Add Fuse:					Add Fuse:							
Best Wiring Location	n		Route to Batte	rv		Fusebox L	ocation					
Choose power		y. On cars	with power mar	nagement	ID by battery cond	lition in display	/) do no	t go to	the b	attery		
These	notes relate fitting	g bypass re	elay. For TF2302	SmartCA	ntify correct wire i	Data		1 4	2	3 6		
Lights	Vehicle Wire C	olours	Alternati	ve		Location	_	7	8	9		
LH Flasher	Black/white											
Fog Light	Grey					19 lamp		10	11	12		
RH Flasher	Green/black							\vdash				
RH Side Light	Red/grey							13	14	15		
Brake Light	Black/red											
LH Side Light	Grey/black							16	17	18		
Reverse			1									

Ryder Towing Equipment Ltd

Quality, Service, Innovation

Car Data Sheet

Reverse

Seat Ibiza Hatchback Mid 2002 -

7-Core Entry Point Longer 7 Core			Core Cable	Bypass Recommended If TF2302, see SmartCAN data			Other Relay Recomende				
				? 7-way							
Automatic Trailer F	lasher Monitor	Reversing	g Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	g	
Find Constant Live					Find Ignition-Sw	itched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:			Add Fuse:								
Best Wiring Location	on		Route to Batte	ry		Fusebox L	ocation.				
19 Lamp			Glove box (gron	nmet behind)							
Choose pow	er source carefully	. On cars	with power mar	nagement (ID	by battery conditi	on in display	/) do not	t go to	the b	attery	
Fitting times, etc. N											
Wiring: Bring opposit	e flasher and tail lig	ht leads a	cross to connection	on point							
	and connection ponotes relate fitting							1	2	3	
Lights	Vehicle Wire Co	olours	Alternati	ive		Location	→	4	5	6	
LH Flasher	Black/white						-	7	8	9	
Fog Light	Grey/white							10	11	12	
RH Flasher	Green/black										
RH Side Light	Red/grey							13	14	15	
Brake Light	Red/black			-							
LH Side Light	Grev/black									\vdash	

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Quality, Service, Innovation

7-Core Entry Point Longer 7 Core Ca			ore Cable	Bypass Recommended If TF2302, see SmartCAN data			Other Relay Recomended			
9 Grommet			None							
Automatic Trailer Flasher Monitor Reversin			Sensor		Cut Out Switch, etc.		Mfr's Towing Plug			
					,				<u></u>	<u>, </u>
ind Constant Live					Find Ignition-Swit	ched Live				
Colour:					Colour:					
Location: 19 lamp	•				Location:					
Add Fuse: Slot 35					Add Fuse:					
est Wiring Location Route to Ba						Fusebox Lo	ocation			
Choose now	er source careful	ly On cars y	with nower manage	nement (ID	by battery conditio	n in display	do not	ao te	the h	attory
itting times, etc. N			The power manage	gement (12	by battery contains	ir iii aispiay	, 40 1101	. yo		attor y
					y correct wire in lo					
					y correct wire in lo ee SmartCAN Data			1	2	3
		g bypass re		martCAN, s	ee SmartCAN Data			4	5	3
These	notes relate fitting	g bypass re	lay. For TF2302 S	martCAN, s	ee SmartCAN Data					3 6 9
These I	Vehicle Wire C	g bypass re	lay. For TF2302 S	martCAN, s	ee SmartCAN Data			4	5	3 6 9
These	Vehicle Wire C	g bypass re	lay. For TF2302 S	martCAN, s	ee SmartCAN Data			7	5	6
Lights LH Flasher Fog Light	Vehicle Wire C Black/white Grey/white	g bypass re	lay. For TF2302 S	martCAN, s	ee SmartCAN Data			7	5	6
Lights LH Flasher Fog Light RH Flasher	Vehicle Wire C Black/white Grey/white Black/green	g bypass re	lay. For TF2302 S	martCAN, s	ee SmartCAN Data			4 7 10	5 8 11	9
Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire C Black/white Grey/white Black/green Grey/red	g bypass re	lay. For TF2302 S	martCAN, s	ee SmartCAN Data			4 7 10	5 8 11	9

Quality, Service, Innovation

LH Side Light Reverse

Car Data Sheet				Seat Leon/Ibiza All 2006 -								
7-Core Entry Point Longer 7 C			Core Cable	If 7	Bypass Recommended If TF2302, see SmartCAN data			elay Re	comend	led		
				TF2218	TF2218/7SMARTLOGIC							
Automatic Trailer Flasher Monitor Reversing Se			Sensor	Sensor Cut Out Switch, etc			tc. Mfr's Towing			ng Plug		
Find Constant Live					Find Ignition-	Switched Live						
Colour:					Colour:							
Location: Battery	or Fusebox				Location:							
Add Fuse:					Add Fuse:							
Best Wiring Location Route to Battery					·	Fusebox L	ocation					
19	···			<u>, </u>								
Choose pow	er source careful	ly. On cars	with power mana	agement (ID	by battery cond	dition in display) do not g	o to the	battery	-		
Fitting times, etc. N	lotes											
Wiring: Brake & side will switch both side			ed/black) Connec	t ONLY the	brake signal wire	from the TF221	8/7Sart Loo	gic to th	is wire. I	Relay		
	and connection p								3	L		
Lights	Vehicle Wire C	Colours	Alternativ	re		Location		4 5 7 8	9			
LH Flasher	Black/white							+	+	•		
Fog Light	Black/blue					19 Roof lining	1	0 11	12			
RH Flasher	Black/green						1		_			
RH Side Light			Do not co	nnect			1	3 14	15			
Brake Light	Red/black											

Do not connect

Ryder Towing Equipment Ltd **Quality, Service, Innovation**

Car Data Sheet Seat Toledo All 2005 -

7-Core Entry Point	Longer 7 Core Cable		Bypass Recommend F2302, see SmartCA		Other Relay Recomended
		TF2218/	7SMARTLOGIC		
Automatic Trailer Flasher Monitor	Reversing Sensor		Cut Out Switch, et	c.	Mfr's Towing Plug
Find Constant Live			Find Ignition-Switch	ched Live	
Colour:			Colour:		
Location: Battery			Location:		
Add Fuse:			Add Fuse:		
Best Wiring Location	Route to Ba	ittery		Fusebox Lo	cation
19		•			
Chansa nawar sauraa carafi	ully On some with newer r	nanagament (ID	hu hattami aanditian	المعامدة من	de not as to the bettem:

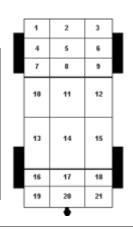
Choose power source carefully. On cars with power management (ID by battery condition in display) do not go to the battery.

Fitting times, etc. Notes

Wiring: Brake & side lights share the same wire ((Red/black) Connect ONLY the brake signal wire from the TF2218/7Sart Logic to this wire. Relay will switch both side and brake outputs correctly.

Wire positions and connection points etc are given. Use probe to identify correct wire in location. These notes relate fitting bypass relay. For TF2302 SmartCAN, see SmartCAN Data

Lights	Vehicle Wire Colours	Alternative	Location
LH Flasher	Black/white		19
Fog Light	Grey/white		19
RH Flasher	Green/black		19
RH Side Light		Do not connect	
Brake Light	Red/black		19
LH Side Light		Do not connect	
Reverse	Blue/black		19



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Quality, Service, Innovation

Seat Toledo All Spring 1999 -

7-Core Entry Point		Longer 7 (Core Cable			rpass Recommended 302, see SmartCAN data			omende
19				None					
Automatic Trailer Fl	asher Monitor	Reversing	Sensor		Cut Out Switch, e	atc.	Mfr's Tow	ina Plu	a
	asilei Wollitoi	Reversing	<u>Jenson</u>		Cut Out Switch, e		WIII S TOW	iiig i iu	<u>9</u>
Find Constant Live					Find Ignition-Swi	tched Live			
						icheu Live			
Colour:					Colour:				
Location: 20					Location:				
Add Fuse: Slot 35					Add Fuse:				
Best Wiring Locatio	n		Route to Battery			Fusebox Lo	ocation		
19									
Choose power	er source careful	y. On cars	with power mana	gement (ID	by battery condition	n in display)	do not go t	o the b	attery.
Fitting times, etc. N				- '	<u> </u>				
Wire positions	and connection r								
		oints etc ai	e given. Use prob	e to identif	v correct wire in lo	cation.			
i iiese i					y correct wire in lo see SmartCAN Data		1	2	3
Lights		g bypass re		martCAN, s	ee SmartCAN Data		4	5	3 6
	notes relate fitting	g bypass re	lay. For TF2302 S	martCAN, s	ee SmartCAN Data	1			3 6 9
Lights	Vehicle Wire C	g bypass re	lay. For TF2302 S	martCAN, s	ee SmartCAN Data	1	4	5	3 6 9
Lights LH Flasher	Vehicle Wire C Black/white	g bypass re	lay. For TF2302 S	martCAN, s	ee SmartCAN Data	ocation	4 7	5	6 9
Lights LH Flasher Fog Light	Vehicle Wire C Black/white Grey/white	g bypass re	lay. For TF2302 S	martCAN, s	ee SmartCAN Data	ocation	4 7	5	6 9
Lights LH Flasher Fog Light RH Flasher	Vehicle Wire C Black/white Grey/white Green/black	g bypass re	lay. For TF2302 S	martCAN, s	ee SmartCAN Data	ocation	10	5 8 11	6 9
Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire C Black/white Grey/white Green/black Grey/red	g bypass re	lay. For TF2302 S	martCAN, s	ee SmartCAN Data	ocation	10	5 8 11	6 9

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Quality, Service, Innovation

Car Data Sheet Seat Van 1999 -

7-Core Entry Point		Longer 7 (Core Cable	lf ·	Bypass Recommer F2302, see SmartC		Othe	r Rela	y Reco	menc	ed
				None							
Automatic Trailer Fla	sher Monitor	Reversing	Sensor		Cut Out Switch, e	etc.	Mfr's	Towi	ng Plu	g	
Find Constant Live		ll .			Find Ignition-Swi	tched Live	'				
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location			Route to Batter	nv		Fusebox L	ocation				
Choose power	r source careful	y. On cars	with power man	nagement (ID	by battery condition	n in display	/) do no	t go to	the b	attery	
Fitting times, etc. No	otes										
					ify correct wire in lo			1	2	3	
These n	otes relate fitting	g bypass re	lay. For TF2302	SmartCAN,	see SmartCAN Data	1				,	
Lights	Vehicle Wire C	olours	Alternati	ve	L	ocation		7	5		
LH Flasher	Black/white							\vdash		,	-
Fog Light	Grey/white							10	11	12	
RH Flasher	Black/green							\vdash			
RH Flasher RH Side Light	Black/green Grey/red							13	14	15	
								13	14	15	•
RH Side Light	Grey/red							13	14	15	

Quality, Service, Innovation

Car Data Sheet Skoda Fabia All 2000 -

7-Core Entry Point		Bypass Recommer F2302, see SmartC		Other Rel	ay Reco	omende			
				None					
Automatic Trailer Fla	asher Monitor	Reversing	Sensor		Cut Out Switch, e	tc	Mfr's Tow	ina Plu	a
	asher Mornton	Reversing	Consor		out out owners, o		Will 3 TOW	ilig i iu	9
Find Constant Live					Find Ignition-Swi	tched Live			
						iched Live			
Colour:					Colour:				
Location:					Location:				
Add Fuse:					Add Fuse:				
Best Wiring Location	n		Route to Battery			Fusebox Lo	cation		
Choose power	er source careful	y. On cars	with power manag	ement (ID	by battery condition	n in display)	do not go	o the b	attery.
Fitting times, etc. N	otes								
		ointe oto a							
Those r					y correct wire in lo				
i ilese i	otes relate fitting		re given. Use probe elay. For TF2302 Sn				1	2	3
Lights	Vehicle Wire C	g bypass re			ee SmartCAN Data		4	5	3 6
		g bypass re	elay. For TF2302 Sn		ee SmartCAN Data	ı			3 6 9
Lights	Vehicle Wire C	g bypass re	elay. For TF2302 Sn		ee SmartCAN Data	ı	4	5	3 6 9
Lights LH Flasher	Vehicle Wire C	g bypass re	elay. For TF2302 Sn		ee SmartCAN Data	ı	4 7	5	6 9
Lights LH Flasher Fog Light	Vehicle Wire C Black/white Grey/white	g bypass re	elay. For TF2302 Sn		ee SmartCAN Data	ı	4 7	5	6 9
Lights LH Flasher Fog Light RH Flasher	Vehicle Wire C Black/white Grey/white Black/green	g bypass re	elay. For TF2302 Sn		ee SmartCAN Data	ı	10	5 8 11	6 9
Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire C Black/white Grey/white Black/green Grey/red	g bypass re	elay. For TF2302 Sn		ee SmartCAN Data	ı	10	5 8 11	6 9

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7-Core Entry Point		Longer 7	Core Cable		Bypass Recomme F2302, see SmartC		Other	Rela	y Reco	omend	ed
				TF2218/7	'SMARTLOGIC		TF22	18/7S	MARTI	LOGIC	
Automatic Trailer Fl	asher Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	g	
Find Constant Live					Find Ignition-Swi	tched Live					
Colour:					Colour:						
Location: 12					Location:						
Add Fuse:					Add Fuse:						
71001 000.											
Best Wiring Locatio	n		Route to Battery			Fusebox Lo	ocation				
Choose power	er source careful	ly. On cars	with power manag	ement (ID	by battery condition	n in display)	do not	go to	the b	attery.	
Fitting times, etc. N	otes										
Wiring: Brake & side will switch both side a			Red/black) Connect (ONLY the b	rake signal wire fro	n the TF2218	3/7Sart I	_ogic	to this	wire. F	Relay
	notes relate fittin	g bypass re	re given. Use probelay. For TF2302 Sr		ee SmartCAN Data	1	_	1 4	2	3	•
Lights	Vehicle Wire C	olours	Alternative		L	ocation		7	8	9	
LH Flasher	Black						_ 7			\vdash	-
Fog Light	Black/red							10	11	12	
RH Flasher	Black/green									\vdash	
RH Side Light			Do not conn	ect				13	14	15	
Brake Light	Black/blue										
LH Side Light			Do not conn	ect				16	17	18	
Reverse	Grey/white							19	20	21	-

Quality, Service, Innovation

7-Core Entry Point		Longer 7	Core Cable		Bypass Recomme F2302, see Smart0		Othe	r Rela	y Reco	omeno	led
Grommet: number pl	ate light	2m		TF2218/	7SMARTLOGIC						
Automatic Trailer F	lasher Monitor	Reversing	Sensor		Cut Out Switch,	Mfr's	Towi	ng Plu	g		
					,				U		
Find Constant Live					Find Ignition-Sw	itched Live					
Colour:					Colour:						
Location: 18					Location:						
Add Fuse: Slot 6, 2	20amn				Add Fuse:						
Add 1 use. Slot 0, 2	- Camp				Add Fade.						
Best Wiring Location	on		Route to Battery			Fusebox L	ocation				
19											
Choose pow	er source careful	ly. On cars	with power manag	ement (ID	by battery condition	on in display) do no	t go to	the b	attery	
Fitting times, etc. N	Notes										
			re given. Use prob elay. For TF2302 Sr					1	2	3	
Lights	Vehicle Wire C	olours	Alternative		ı	Location		7	5 8		ı
LH Flasher	Black/white					19	•	\vdash		,	•
Fog Light	Blue/yellow					19		10	11	12	
	Green/blue					19		$\vdash \vdash$			
RH Flasher	Green/blue										
RH Flasher RH Side Light	Grey/yellow					19		13	14	15	
						19 19		13	14	15	
RH Side Light	Grey/yellow							13	14	15	

Quality, Service, Innovation

Reverse

Black/blue

Skoda Octavia Estate Sept 1998 -

7-Core Entry Point		Longer 7 Co	ore Cable		Bypass Recomme F2302, see SmartC		Othe	r Rela	y Reco	menc
Mfr. Grommet				None						
Automatic Trailer F	lasher Monitor	Reversing S	Sensor		Cut Out Switch, e	etc.	Mfr's	Towi	ng Plu	g
		<u>-</u>								<u>-</u>
Find Constant Live					Find Ignition-Swi	tched Live	'			
Colour:					Colour:					
Location: 19					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Location	on	F	Route to Battery			Fusebox L	ocation	1		
19										
Choose pow	er source carefully	/. On cars w	ith power manag	ement (ID	by battery condition	on in display) do no	t go to	the b	attery
Fitting times, etc. N	Notes									
Power bus bar under	r dash, RHS									
					y correct wire in lo see SmartCAN Data		_	1 4	2	3
Lights	Vehicle Wire Co	olours	Alternative		L	ocation		7	8	9
LH Flasher	Black/white							\vdash		-
Fog Light	Grey/white							10	11	12
RH Flasher	Black/green							$\vdash \vdash$		
RH Side Light	Grey/red							13	14	15
Brake Light	Red/black									
I H Side I jaht	Grey/black									\vdash

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Quality, Service, Innovation

Skoda Octavia Hatchback July 2004 -

7-Core Entry Point		Longer 7	Core Cable	Cable Bypass Recommended If TF2302, see SmartCAN data					r Rela	y Reco	omeno	ed
Grommet in rear pan	el			TF221	TF2218/7SMARTLOGIC							
Automatic Trailer F	lasher Monitor	Reversing	ı Sensor		Cut Out	Switch, e	tc.	Mfr's	Towi	ng Plu	a	
			,			,				<u> </u>		
Find Constant Live					Find Igr	nition-Swit	ched Live					
Colour:						lour:						
Location: Battery					Loca							
Add Fuse:					Add F							
Best Wiring Location	on		Route to Batte	rv			Fusebox L	.ocatior	1			
19 Behind panel												
A I					<u> </u>							
Fitting times, etc. N	er source careful	ly. On cars	with power mar	agement (I	by batter	y conditio	n in display	/) do no	t go to	tne b	attery	
riting times, etc. r	ioles											
Wire positions These	and connection p	points etc a g bypass re	re given. Use pr elay. For TF2302	obe to iden SmartCAN	tify correct see Smart	wire in Io CAN Data	cation.		1	2	3	
Lights	Vehicle Wire C	Colours	Alternati	ve		L	ocation		7	5	6	ı
LH Flasher	Black/white								\vdash	•	,	_
Fog Light	Blue/yellow								10	11	12	
RH Flasher	Green/blue								$\vdash \vdash$			
									1			
RH Side Light	Grey/yellow								13	14	15	
RH Side Light Brake Light	Grey/yellow White/black								13	14	15	
									13	17	15	

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Quality, Service, Innovation

Reverse

Black/blue

Skoda Octavia Hatchback Sept 2003 -2004

7-Core Entry Point	Core Entry Point Longer 7				Bypass Recomme F2302, see SmartC		Othe	r Rela	y Reco	mend
Mfr. Grommet				Top mode	els-TF2218/7SMAR	RTLOGIC				
Automatic Trailer F	lasher Monitor	Reversing Se	ensor		Cut Out Switch, 6	etc.	Mfr's	Towi	ng Plu	g
Find Constant Live					Find Ignition-Swi	tched Live	·			
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Location	on	R	oute to Battery			Fusebox L	ocation			
Choose pow	er source carefull	v. On cars wit	th power manage	ement (ID I	by battery condition	on in display) do no	t ao ta	o the b	atterv
Fitting times, etc. N					,		,			
Power bus bar under										
Wire positions These	and connection ponotes relate fitting	oints etc are () bypass relay	given. Use probe /. For TF2302 Sm	e to identify nartCAN, s	y correct wire in lo	ocation.		1	2	3
Lights	Vehicle Wire Co	olours	Alternative		L	ocation		7	5	
LH Flasher	Black/white							\vdash		,
Fog Light	Grey/white							10	11	12
RH Flasher	Black/green							$\vdash \vdash$		\sqcup
RH Side Light	Grey/red							13	14	15
Brake Light	Pink		Red/black							
I H Side Light	Grey/black							\vdash		\vdash

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Quality, Service, Innovation

LH Side Light

Reverse

Grey/black

Black/blue

7-Core Entry Point		Longer 7 C	Core Cable	If T	Bypass Recomme F2302, see Smart0		Othe	r Rela	y Reco	omende
Grommet: number pla	ate light			TF2218/	7SMARTLOGIC					
Automatic Trailer Fl	asher Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	g
Find Constant Live					Find Ignition-Sw	itched Live				
Colour:					Colour:					
Location: 19					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Locatio	n		Route to Battery			Fusebox L	ocation	l		
19 (21)										
		lly. On cars v	with power manag	gement (ID	by battery condition	on in display) do no	t go to	the b	attery.
Fitting times, etc. N	lotes									
Quick to wire										
					fy correct wire in l			1	2	3
I nese r	notes relate fittir	ng bypass rei	iay. For 1F2302 S	martCAN,	see SmartCAN Dat	a		4	5	
Lights	Vehicle Wire	Colours	Alternative	•	ı	Location		7	8	9
LH Flasher	Black/white					19		-		Ť
Fog Light	White/grey					21		10	11	12
RH Flasher	Black/green					21		$\vdash \vdash$		\square
RH Side Light	Grey/red					21		13	14	15
Brake Light	Black/red					19		i		

19

19

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7-Core Entry Point		Longer 7	Core Cable		Bypass Recommer F2302, see SmartC	Other R	elay Red	comende	
19/21 Grommet				TF2218/7	7SMARTLOGIC				
Automatic Trailer Fla	sher Monitor	Reversin	g Sensor		Cut Out Switch, e	tc.	Mfr's To	wina Pl	ua
		110101011	ig concor						<u></u>
Find Constant Live					Find Ignition-Swit	ched Live			
					_	CIICA LIVE			
Colour:					Colour:				
Location: 21					Location:				
Add Fuse:					Add Fuse:				
Best Wiring Location	<u> </u>		Route to Batter	v		Fusebox L	ocation		
19, 21 Lamps				•					
Choose power	r source careful	ly. On car	s with power man	agement (ID	by battery conditio	n in display	/) do not ge	to the	battery.
Fitting times, etc. No	otes		· · · · · · · · · · · · · · · · · · ·	<u> </u>	•				
Power bus bar under o									
Wire positions a These no	nd connection p otes relate fittin	ooints etc g bypass i	are given. Use pro relav. For TF2302	obe to identif SmartCAN, s	y correct wire in lo ee SmartCAN Data	cation.	1	2	3
	Vehicle Wire C							5	6
Lights		olours	Alternativ	ve	L	ocation	7	8	9
LH Flasher	Black/white						- [0 11	12
Fog Light	Grey/white						'	"	12
RH Flasher	Black/green						_		+
RH Side Light	Grey/red						1	3 14	15
Brake Light	Red/green								
LH Side Light	Grey/black						1	6 17	18
Reverse	Blue/red						_		_

Quality, Service, Innovation

Car Data Sheet Skoda Yeti AWD 2010 -

7-Core Entry Point		7-Core Entry Point Longer 7 Core Cable				nded AN data	Othe	r Rela	y Reco	omen	bek
				TF2218/7	'SMARTLOGIC						
Automatic Trailer F	lasher Monitor	Reversing S	ensor		Cut Out Switch, e	etc.	Mfr's	Towi	ng Plu	q	—
									<u> </u>	<u> </u>	
Find Constant Live					Find Ignition-Swi	tched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	on	R	oute to Battery			Fusebox Lo	cation	<u> </u>			
21 lamp			<u>, , , , , , , , , , , , , , , , , , , </u>								
	•	/. On cars wi	th power manage	ement (ID I	by battery condition	n in display)	do no	t go to	the b	attery	.
Fitting times, etc. N	lotes										
Wire positions	and connection po	oints etc are	given. Use probe	e to identify	v correct wire in lo	cation.					1
These	notes relate fitting	hypace rola			,				2	3	
		nypass rela	y. For TF2302 Sn		ee SmartCAN Data			1			_
Lights	Vehicle Wire Co		y. For TF2302 Sn Alternative		ee SmartCAN Data			4	5	6	ı
Lights LH Flasher	Vehicle Wire Co				ee SmartCAN Data	1	 			6 9	
_					ee SmartCAN Data	ocation		4	5	6 9	
LH Flasher	Black/white				ee SmartCAN Data	ocation 21		7	5 8	6 9 12	
LH Flasher Fog Light	Black/white Grey/white				ee SmartCAN Data	ocation 21 21		7	5 8	6 9 12	
LH Flasher Fog Light RH Flasher	Black/white Grey/white Black/green				ee SmartCAN Data	ocation 21 21 21		7 10	5 8 11		
LH Flasher Fog Light RH Flasher RH Side Light	Black/white Grey/white Black/green Grey/red				ee SmartCAN Data	ocation 21 21 21 21 21		7 10	5 8 11		

Quality, Service, Innovation

7-Core Entry Point		Longer 7	Core Cable	If 7	Bypass Recomme F2302, see Smart0		Othe	r Rela	y Reco	omend	led
				None							
Automatic Trailer Fl	lasher Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	g	
Find Constant Live					Find Ignition-Sw	itched Live					
					Colour:	itorica Live					
Colour:											
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	on .		Route to Batte	rv		Fusebox L	ocation	<u> </u>			
Choose pow	er source careful	lv. On cars	with power mar	nagement (ID	by battery conditi	on in display) do no	t ao ta	o the b	atterv.	
Fitting times, etc. N		.,	po		,		,	- 5			-
Like a Fiat											
					fy correct wire in losee SmartCAN Dat			1 4	2	3	
Lights	Vehicle Wire C	colours	Alternati	ive	I	_ocation		7	8	9	
LH Flasher								\vdash		-	–
Fog Light								10	11	12	
RH Flasher								\vdash		\vdash	
RH Side Light								13	14	15	
Brake Light											
LH Side Light								16	47		
								16	17	18	-

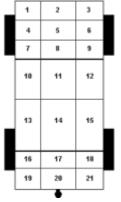
Quality, Service, Innovation

7-Core Entry Point		Longer 7 (Core Cable		Bypass Recommer F2302, see SmartC		Othe	r Rela	y Reco	omeno
18 Wheel arch										
Automatic Trailer F	lasher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's	Towi	ng Plu	q
		3			,					
Find Constant Live					Find Ignition-Swi	tched Live				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Location	on		Route to Battery			Fusebox Lo	ocation			
19 and high up			Glove box (gromm	et behind)						
Choose power Fitting times, etc. N		y. On cars	with power manag	gement (ID I	oy battery conditio	n in display)) do no	t go to	the b	attery
					y correct wire in lo ee SmartCAN Data		_	1 4	2	3
		g bypass re		martCAN, s	ee SmartCAN Data			-		3 6 9
These	notes relate fitting	g bypass re	lay. For TF2302 Sr	martCAN, s	ee SmartCAN Data	1		7	5	3 6 9
These Lights	Vehicle Wire C	g bypass re	lay. For TF2302 Sr	martCAN, s	ee SmartCAN Data	ocation		4	5	3 6 9
These	Vehicle Wire C Yellow/black	g bypass re	lay. For TF2302 Sr	martCAN, s	ee SmartCAN Data	ocation		7	5	3 6 9
Lights LH Flasher Fog Light	Vehicle Wire C Yellow/black Brown	g bypass re	lay. For TF2302 Sr	martCAN, s	ee SmartCAN Data	ocation 19 21		7	5	3 6 9 12
Lights LH Flasher Fog Light RH Flasher	Vehicle Wire C Yellow/black Brown Blue/yellow	g bypass re	lay. For TF2302 Sr	martCAN, s	ee SmartCAN Data	ocation 19 21		7 10	5 8	
Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire C Yellow/black Brown Blue/yellow White/green	g bypass re	lay. For TF2302 Sr	martCAN, s	ee SmartCAN Data	ocation 19 21 21		7 10	5 8	

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Sar Data She	eet				Ssan	gyong M	ussc	4 V V	19 טי	995 -	1999
7-Core Entry Poin	t	Longer 7 C	ore Cable		Bypass Recomme F2302, see Smart0		Othe	r Rela	y Reco	omend	led
19				None							
Automatic Trailer	Flasher Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	g	
~							21 M	lultiblo	ck		
Find Constant Liv	e				Find Ignition-Sw	itched Live					
Colour:					Colour:						
Location: Fuseb	юх				Location:						
Add Fuse:					Add Fuse:						
Best Wiring Locat	tion		Route to Battery			Fusebox L	ocation	1			
			·			Footwell RI	Н				
Choose por	wer source carefu	lly. On cars v	vith power manag	ement (ID	by battery conditi	on in display) do no	t go t	o the b	attery.	•
Fitting times, etc.	Notes										
Fog and reverse in trim.	tailgate: pull back I	NS rear boot t	rim, prise out grom	met above	NS tailgate strut to	access wires	s.O/S wi	res un	der O/S	S door	step
	s and connection e notes relate fittir							1	2	3	
Lights	Vehicle Wire	Colours	Alternative		I	Location		7	5	6	
LH Flasher	White						•	<u> </u>		,	
Fog Light	Red							10	11	12	
RH Flasher	Yellow										

Lights	Vehicle Wire Colours	Alternative	Location
LH Flasher	White		
Fog Light	Red		
RH Flasher	Yellow		
RH Side Light	Green/white		
Brake Light	Green/yellow		
LH Side Light	Green/white		
Reverse	Red/green		



Quality, Service, Innovation

Ssangyong Rexton All 2002 -

7-Core Entry Point		Longer 7	Core Cable		Bypass Recommer F2302, see SmartC		Other Rela	ay Reco	omend	ed
				TF2218/7	'SMARTLOGIC					
Automatic Trailer Fla	sher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's Tow	ina Plu	a	
		rtovoromg	, 0011001		out out oution, o		18/21 unde		9	
Find Constant Live					Find Ignition-Swit	ched Live				
					Colour:	.0.104 2.10				
Colour:										
Location:					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Location	1		Route to Battery			Fusebox L	ocation			
Choose power		y. On cars	with power manage	ement (ID	by battery conditio	n in display) do not go t	o the b	attery.	
These no	nd connection potes relate fitting		re given. Use probe				1	2	3	
				iai toait, s			4	5	6	
Lights	Vehicle Wire C	olours	Alternative	iaitonii, s		ocation	7	5	6	
LH Flasher	Vehicle Wire C	olours		iai toan, s			7	8	9	
LH Flasher Fog Light		olours		iaitoAit, s					9 12	
LH Flasher	Yellow/blue Brown Blue/yellow	olours		iai toais, s			7	8	9 12	
LH Flasher Fog Light	Yellow/blue Brown	olours		iai toais, s			7	8	12	
LH Flasher Fog Light RH Flasher	Yellow/blue Brown Blue/yellow	olours		iaitoai, s			10	11		
LH Flasher Fog Light RH Flasher RH Side Light	Yellow/blue Brown Blue/yellow White/green	olours		iaitoai, s		ocation	10	11		

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Quality, Service, Innovation

Red/blue

Reverse

'-Core Entry Point		Longer 7 C	ore Cable		Bypass Recommer 2302, see SmartC		Other R	elay F	Reco	mende
8 Wheel arch										
Automatic Trailer Fla	asher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's To	wina	Pluc	ב
					, , , , , , , , , , , , , , , , , , , ,					·
nd Constant Live					Find Ignition-Swit	ched Live				
					Colour:					
Colour: Location:					Location:					
					Add Fuse:					
Add Fuse:					Add Fuse.					
est Wiring Location	n		Route to Battery			Fusebox L	ocation			
Behind side panel										
Choose power	er source carefull	y. On cars v	vith power manage	ment (ID I	by battery conditio	n in display) do not g	o to th	ne ba	attery.
itting times, etc. N										
/iring: See blue plug	·									
ault condition: If you inutes - car will rese		ar clusters, t	he indicators will fail	to work w	hen you connect ag	ain. Power o	lown, lock	car an	d lea	ave for 1
			e given. Use probe ay. For TF2302 Sma						2	3
THESE			ay. FOI 1F2302 31118	ii ican, s	ee Siliai (CAN Data		_		5	6
Lights	Vehicle Wire C	olours	Alternative		L	ocation		, ,	8	9
LH Flasher	Green/yellow					19	_ 7-	_		
Fog Light	Light green					16, 19	_ 1	0 1	11	12
RH Flasher	Blue/yellow					21				
RH Side Light	White/green					21	1	3 1	14	15
Brake Light	Yellow					21				
I H Side Light	Pod/brown			·		10	1 📕			

16, 19

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Quality, Service, Innovation

Subaru Forester AWD Estate 2001 -

		Longer 7	Core Cable		Bypass Recommer F2302, see SmartC		Other	Rela	y Reco	meno
Grommet				None						
utomatic Trailer F	lasher Monitor	Reversing	g Sensor		Cut Out Switch, e	etc.	Mfr's	Towi	ng Plu	q
					·				el or 21	_
nd Constant Live					Find Ignition-Swi	tched Live				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
est Wiring Location	on		Route to Battery	,		Fusebox Lo	ocation			
			Grommet by wipe	er motor		Under bonn	et & 12 (dash		
Choose pow	er source careful	ly. On cars	with power mana	gement (ID	by battery condition	n in display	do not	go to	the ba	attery
itting times, etc. N	lotes	_								
itting times, etc. N	lotes									
itting times, etc. N	lotes									
Wire positions	and connection p				y correct wire in lo ee SmartCAN Data			1	2	3
Wire positions These	and connection p	g bypass r	elay. For TF2302 S	SmartCAN, s	ee SmartCAN Data	1		1 4	2	3
Wire positions These	and connection p notes relate fittin Vehicle Wire C	g bypass r		SmartCAN, s	ee SmartCAN Data					3 6 9
Wire positions These Lights LH Flasher	and connection protes relate fitting Vehicle Wire Control Black/green	g bypass r	Alternative	SmartCAN, s	ee SmartCAN Data	1		7	5	6
Wire positions These Lights LH Flasher Fog Light	and connection protes relate fitting Vehicle Wire Control Black/green Blue/yellow	g bypass r	Alternative Green/blace	SmartCAN, s e ck	ee SmartCAN Data	1		4	5	3 6 9
Wire positions These Lights LH Flasher Fog Light RH Flasher	and connection protes relate fittin Vehicle Wire Control Black/green Blue/yellow Green/black	g bypass r	Alternative	SmartCAN, s e ck	ee SmartCAN Data	1		7	5	6
Wire positions These Lights LH Flasher Fog Light RH Flasher RH Side Light	and connection protes relate fitting Vehicle Wire Control Black/green Blue/yellow Green/black Red/yellow	g bypass r	Alternative Green/blace	SmartCAN, s e ck	ee SmartCAN Data	1		7	5	6
Wire positions These Lights LH Flasher Fog Light RH Flasher RH Side Light Brake Light	and connection protes relate fitting Vehicle Wire Control Black/green Blue/yellow Green/black Red/yellow White/black	g bypass r	Alternative Green/blace	SmartCAN, s e ck	ee SmartCAN Data	1		10	5 8 11	9 12
Wire positions These Lights LH Flasher Fog Light RH Flasher RH Side Light	and connection protes relate fitting Vehicle Wire Control Black/green Blue/yellow Green/black Red/yellow	g bypass r	Alternative Green/blace	SmartCAN, s e ck	ee SmartCAN Data	1		10	5 8 11	9 12

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Quality, Service, Innovation

Subaru Impreza All 1998 -

7-Core Entry Point		Longer 7 (Core Cable		Bypass Recommer F2302, see SmartC		Other Rela	y Reco	mended
21 Grommet				None					
Automatic Trailer Fl	asher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's Towi	ng Plu	q
		.			,	· ·	21 Multiblo		<u> </u>
Find Constant Live					Find Ignition-Swit	ched Live			
Colour:					Colour:				
Location: 21					Location:				
Add Fuse:					Add Fuse:				
Add 1 doc.					7100 1 000.				
Best Wiring Locatio	n		Route to Battery			Fusebox Lo	ocation		
Choose power Fitting times, etc. N		y. On cars	with power manag	ement (ID	by battery conditio	n in display) do not go t	o the b	attery.
Wire positions a	and connection p	oints etc a							
	notes relate fitting	bypass re	re given. Use probe lay. For TF2302 Sn	to identifnartCAN, s	y correct wire in lo ee SmartCAN Data	cation.	1	2	3
Lights	Vehicle Wire C	bypass re	re given. Use probe lay. For TF2302 Sn Alternative	e to identif nartCAN, s	ee SmartCAN Data	cation.	4	5	6
Lights LH Flasher		bypass re	lay. For TF2302 Sn	e to identif nartCAN, s	ee SmartCAN Data				3 6 9
	Vehicle Wire C	bypass re	lay. For TF2302 Sn	e to identif nartCAN, s	ee SmartCAN Data		4	5	3 6 9
LH Flasher	Vehicle Wire C	bypass re	lay. For TF2302 Sn	e to identif nartCAN, s	ee SmartCAN Data		7	5	6 9
LH Flasher Fog Light	Vehicle Wire C Green/black Blue/white	bypass re	lay. For TF2302 Sn	e to identif nartCAN, s	ee SmartCAN Data		7	5	6 9
LH Flasher Fog Light RH Flasher	Vehicle Wire C Green/black Blue/white Black/green	bypass re	lay. For TF2302 Sn	e to identif nartCAN, s	ee SmartCAN Data		10	5 8 11	6 9
LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire C Green/black Blue/white Black/green White/red	bypass re	lay. For TF2302 Sn	e to identif nartCAN, s	ee SmartCAN Data		10	5 8 11	6 9

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Quality, Service, Innovation

7-Core Entry Point Longer			Core Cable	If -	Bypass Recommende F2302, see SmartCAN		Other I	Rela	y Reco	mende
				None						
Automatic Trailer Fl	asher Monitor	Reversing	Sensor		Cut Out Switch, etc.		Mfr's T	owi	ng Plu	g
										<u> </u>
ind Constant Live					Find Ignition-Switch	ed Live				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Location Multiplug light access			Route to Batter		Fu	sebox Lo	cation			
	<u> </u>	y. On cars	with power man	agement (IC	by battery condition in	n display)	do not g	go to	the b	attery.
Fitting times, etc. N	lotes	oints etc a	re given. Use pro	bbe to ident	fy correct wire in locat			go to	o the b	attery.
Fitting times, etc. N	lotes	oints etc a j bypass re	re given. Use pro	bbe to ident SmartCAN,		ion.		1 4	2	3 6
Wire positions	and connection p	oints etc a j bypass re	re given. Use pro	bbe to ident SmartCAN,	fy correct wire in locat see SmartCAN Data	ion.		1	2	
Wire positions These	and connection p	oints etc a j bypass re	re given. Use pro	bbe to ident SmartCAN,	fy correct wire in locat see SmartCAN Data	ion.		1 4	2	3 6
Wire positions These I Lights LH Flasher	and connection p notes relate fitting Vehicle Wire Co	oints etc a g bypass re olours	re given. Use pro	bbe to ident SmartCAN,	fy correct wire in locat see SmartCAN Data	ion.		1 4 7	2 5 8	3 6 9
Wire positions These I Lights LH Flasher Fog Light	and connection p notes relate fitting Vehicle Wire Co Black/green Red/blue	oints etc a g bypass re olours	re given. Use pro	bbe to ident SmartCAN,	fy correct wire in locat see SmartCAN Data	ion.		1 4 7	2 5 8	3 6 9
Wire positions These I Lights LH Flasher Fog Light RH Flasher	and connection p notes relate fitting Vehicle Wire C Black/green Red/blue Light green/blace	oints etc a g bypass re olours	re given. Use pro	bbe to ident SmartCAN,	fy correct wire in locat see SmartCAN Data	ion.		1 4 7 10	2 5 8	3 6 9
Wire positions These I Lights LH Flasher Fog Light RH Flasher RH Side Light	and connection p notes relate fitting Vehicle Wire Co Black/green Red/blue Light green/blac Black/blue	oints etc a g bypass re olours	re given. Use pro	bbe to ident SmartCAN,	fy correct wire in locat see SmartCAN Data	ion.		1 4 7 10	2 5 8	3 6 9

Quality, Service, Innovation

7-Core Entry Point		Longer 7	Core Cable	If ·	Bypass Recomme FF2302, see Smart		Othe	r Rela	y Reco	omen	bet
Grommet, wheel wel	I			None							
Automatic Trailer F	lasher Monitor	Reversing	g Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	g	
					,			de par		<u>-</u>	
Find Constant Live					Find Ignition-Sw	ritched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	on		Route to Batter	У		Fusebox Lo	ocation	ı			_
			Grommet LH bu	lkhead							
	<u> </u>	. On cars	with power man	agement (IL	by battery conditi	on in display)) do no	t go to	o the b	attery	-
Fitting times, etc. N	votes										
Wire positions	and connection po	ints etc a	re aiven. Use pro	obe to ident	ify correct wire in I	ocation.					1
					see SmartCAN Date			1	2	3	
Lights	Vehicle Wire Co	lours	Alternati	ve		Location		7	5	6	ı
LH Flasher	Blue/silver hoops	3				19	_	Ľ.	8	9	▛
Fog Light	Red/silver hoops					21		10	11	12	
										1	
RH Flasher	Red/green					21		\vdash			
RH Flasher RH Side Light	Red/green Blue/black					21 21		13	14	15	
								13	14	15	
RH Side Light	Blue/black					21		13	14	15	

Quality, Service, Innovation

Subaru Legacy Estate 1996 -

7-Core Entry Point Longer 7			Longer 7 (Core Cable		Bypass Recommer F2302, see SmartC		Othe	r Rela	y Reco	menc	led
					None							
۸.	utomatic Trailer F	lasher Meniter	Reversing	Sonsor		Cut Out Switch, e	ato.	Mfric	Towi	ng Plu	~	
AU		iasher Worldon	Reversing	Selisoi		Cut Out Switch, e	ili.		nd jacl		y	
									,			
Fii	nd Constant Live					Find Ignition-Swi	tched Live					
	Colour:					Colour:						
	Location:					Location:						
_	Add Fuse:					Add Fuse:						
Ве	est Wiring Location	on		Route to Battery	•		Fusebox Lo	cation	1			
	Choose pow	er source careful	lly. On cars	with power mana	gement (ID	by battery condition	n in display)	do no	t go t	o the b	attery	
Fi	itting times, etc. N	lotes										
	Wire positions	and connection i	noints etc ar	e given. Use pro	he to identit	y correct wire in lo	cation					
						see SmartCAN Data			1	2	3	
	Lights	Vehicle Wire (Colours	Alternativ	9	L	ocation		4	5	6	
	LH Flasher	Light green						_	7	8	9	•
	Fog Light	Blue/yellow							10	11	12	
	RH Flasher	Red/white							Ш			
	RH Side Light	Red							13	14	15	
	Brake Light	White/black		Black trace	only							
	LH Side Light	Red							16	17	18	
	Reverse							•	19	20	21	

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Quality, Service, Innovation

Subaru Legacy Outback - 2000 -2001

7-Core Entry Point		Longer 7	Core Cable		Bypass Recommer F2302, see SmartC		Other I	Rela	y Reco	mend	ed
				None							
Automatic Trailer Fla	sher Monitor	Reversing	ı Sensor		Cut Out Switch, e	etc.	Mfr's T	owii	na Plu	3	
			, coco.				19 Lam		.g	<u> </u>	
Find Constant Live					Find Ignition-Swi	tched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Add Fuse:					Add Fuse.						
Best Wiring Location			Route to Battery			Fusebox L	ocation				
Choose power		y. On cars	with power manag	ement (ID	by battery condition	n in display) do not (go to	the b	attery.	
Wire positions a	nd connection p	ooints etc a	re given. Use probe	e to identif	y correct wire in lo	cation.	Г	1	2	3	
These no	otes relate ritting	g bypass re	elay. For 1F2302 Sil	iartoan, s	ee SmartCAN Data		_ ■	4	5	6	
Lights	Vehicle Wire C	olours	Alternative			ocation	■	7	8	9	
			Alternative		L		_				
LH Flasher	Blue		Alternative		L		_ ₹	-			
LH Flasher Fog Light	Blue/purple		Automativo		L		_	10	11	12	
			Automative		L		-	10	11	12	•
Fog Light	Blue/purple		Automative		L		-	10	11	12	
Fog Light RH Flasher	Blue/purple Blue		Automative								•
Fog Light RH Flasher RH Side Light	Blue/purple Blue Green		Automative								•

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Quality, Service, Innovation

Car Data Sheet Suzuki Alto All 2005 -

7-Core Entry Point		Longer 7 Co	ore Cable	Bypass Reco		Othe	r Rela	y Reco	omeno	bek
-										
Automatic Trailer F	lasher Monitor	Reversing S	Sensor	Cut Out Sw	ritch, etc.	Mfr's	Towi	ng Plu	g	
Find Constant Live				Find Ignitio	n-Switched Live					
Colour:				Colour	·-					
Location:				Location	ı:					
Add Fuse:				Add Fuse	:					
Best Wiring Location	on	F	Route to Battery	<u>'</u>	Fusebox L	ocation	1			_
21										
Choose pow	er source carefully	. On cars w	ith power manageme	ent (ID by battery co	ondition in display	/) do no	t go t	the b	attery	/ -
Fitting times, etc. I	Votes									
	and connection po		given Use probe to	identify correct wir	o in location			2		1
111656		hypoco role					1 1		3	_
	_		ay. For TF2302 Smart(N Data	_ I	4	5	6	1
Lights	Vehicle Wire Co								6	1
	_		ay. For TF2302 Smart(N Data		4	5	9	
Lights	Vehicle Wire Co		ay. For TF2302 Smart(N Data Location		4	5	6 9	
Lights LH Flasher	Vehicle Wire Co		ay. For TF2302 Smart(N Data Location 21		7	5	6	
Lights LH Flasher Fog Light	Vehicle Wire Co Green/red Black/green		ay. For TF2302 Smart(N Data Location 21 21		7	5	6	
Lights LH Flasher Fog Light RH Flasher	Vehicle Wire Co Green/red Black/green Blue/yellow		ay. For TF2302 Smart(Location 21 21 21		7	5 8 11	9 12	
Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire Co Green/red Black/green Blue/yellow Red/yellow		ay. For TF2302 Smart(Location 21 21 21 21 21		7	5 8 11	9 12	

Quality, Service, Innovation

7-Core Entry Point		Longer 7	Core Cable		Bypass Recommer F2302, see SmartC		Other Rel	ay Reco	omend	ed
				None						
Automatic Trailer Fla	asher Monitor	Reversing	Sensor		Cut Out Switch, e	etc.	Mfr's Tow	ina Plu	a	
	asiici ilioilitoi	reversing	CONSO		out out ownon, c		11111 3 1011	iiig i iu	9	
Find Constant Live					Find Ignition-Swi	tched Live				
						terieu Live				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Location	n		Route to Battery			Fusebox Lo	ocation			
Choose power	r source careful	ly. On cars	with power manag	ement (ID	by battery condition	n in display)	do not go	to the b	attery.	
Fitting times, etc. N	otes									
			re given. Use nroh	- 4- !-!4!6						
These n	otes relate fittin				y correct wire in lo					
		g bypass re			y correct wire in lo see SmartCAN Data		1	2	3	
Lights	Vehicle Wire C				ee SmartCAN Data		4	5	6	
Lights LH Flasher	1		elay. For TF2302 Sr		ee SmartCAN Data	1			6 9	
	Vehicle Wire C		elay. For TF2302 Sr		ee SmartCAN Data	1	4	5	3 6 9	
LH Flasher	Vehicle Wire C		elay. For TF2302 Sr		ee SmartCAN Data	1	4 7	5	6 9	
LH Flasher Fog Light	Vehicle Wire C Green Green/blue		elay. For TF2302 Sr		ee SmartCAN Data	1	4 7	5 8 11	6 9	
LH Flasher Fog Light RH Flasher	Vehicle Wire C Green Green/blue Green		elay. For TF2302 Sr		ee SmartCAN Data	1	10	5	6 9	
LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire Control Green Green/blue Green Red/yellow		elay. For TF2302 Sr		ee SmartCAN Data	1	10	5 8 11	6 9	

Quality, Service, Innovation

LH Side Light

Reverse

Red/yellow

Red

ar Data Sneet	ξ					Suzuki (randح	VIT	ara <i>i</i>	4II 18
7-Core Entry Point		Longer 7 (Core Cable	If 7	Bypass Recomme FF2302, see Smart(Other	Rela	y Reco	omende
		2m		None						
Automatic Trailer Fla	asher Monitor	Reversing	J Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	g
Find Constant Live					Find Ignition-Sw	itched Live	,			
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Location	n		Route to Batte	ry	-	Fusebox I	_ocation			
16,19 by jack										
Choose power	r source carefu	lly. On cars	with power mar	nagement (ID	by battery conditi	on in display	y) do not	go to	the b	attery.
Fitting times, etc. No	otes									
2006: wire at 21 Remo	ove light carefully	y and evenly	. Pull out rearwar	ds						
					ify correct wire in I see SmartCAN Dat			1	2	3
Lights	Vehicle Wire 0	Colours	Alternati	ive		Location		7	5	6
LH Flasher	Green/red		2006 Gre	en		19	-	-	8	,
Fog Light	Green/blue					21		10	11	12
RH Flasher	Green/yellow		2006 Gre	en		21				\square
RH Side Light	Red/yellow					21		13	14	15
Brake Light	Green/white					21				

19

19

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Quality, Service, Innovation

7-Core Entry Point		Longer 7	Core Cable		Bypass Recomme F2302, see Smart0		Othe	r Rela	y Reco	meno	ed
19/21 Grommets real	panel			None							
Automatic Trailer Fl	asher Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	a	
					,				<u> </u>		
Find Constant Live					Find Ignition-Sw	itched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Locatio	n		Route to Batter	У		Fusebox L	ocation	1			
21											
Choose power	er source careful	lly. On cars	with power man	agement (ID	by battery condition	on in display	/) do no	t go to	the b	attery	
Fitting times, etc. N	lotes										
Wire positions	and connection p	points etc a	re given. Use pro	obe to identif	y correct wire in l	ocation.		1	2	3	
These i	notes relate fittin	g bypass re	elay. For TF2302	SmartCAN,	see SmartCAN Dat	a		4	5	-	
Lights	Vehicle Wire C	Colours	Alternativ	VA		_ocation		7	8	•	
			Aiternativ	v.c		_OCalion					
LH Flasher	Green/red		Alternativ	VC	<u>'</u>	Location	_	\vdash			
Fog Light	Green/red Blue		Yellow	V C		19,22		10	11	12	
								\vdash	11	12	
Fog Light	Blue							\vdash	11	12	
Fog Light RH Flasher	Blue Blue/yellow							10			
Fog Light RH Flasher RH Side Light	Blue Blue/yellow Red/yellow							10			

Quality, Service, Innovation

Reverse

Red

7-Core Entry Point		Longer 7 C	ore Cable	If 7	Bypass Recommo F2302, see Smart	ended CAN data	Other	Rela	y Reco	omeno	led
				None							
Automatic Trailer F	lasher Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	a	
					,					<u> </u>	
Find Constant Live	ı				Find Ignition-Sw	itched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	on		Route to Battery	ı		Fusebox L	ocation				
19 Lamp											
Choose pow	er source carefu	lly. On cars w	vith power mana	gement (ID	by battery conditi	on in display) do not	go to	the b	attery	
Fitting times, etc. I	Notes										
Remove bumper bef	fore fitting										
					fy correct wire in I see SmartCAN Da			1 4	2	3	
Lights	Vehicle Wire (Colours	Alternative	е		Location	▂▐	7	8	9	
LH Flasher	Red/green						_ ₹	-		-	-
Fog Light	Green							10	11	12	
RH Flasher	Green/yellow										
RH Side Light	Red/yellow							13	14	15	
Brake Light	Green/white										
LH Side Light	Red/vellow							_		\vdash	

Quality, Service, Innovation

7-Core Entry Point		Longer 7	Core Cable		Bypass Recomme F2302, see Smart0		Othe	r Rela	y Reco	omeno	led
				None							
Automatic Trailer Fla	asher Monitor	Reversing	ı Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	q	
			•		,						
Find Constant Live					Find Ignition-Sw	itched Live					
Colour:					Colour: Gre						
Location: Fusebox					Location: Fus	·					
Add Fuse:					Add Fuse:	CDOX					
7.00.00											
Best Wiring Location	n		Route to Battery			Fusebox L	ocatior)			
						Footwell Rh	H				
Choose power	r source careful	ly. On cars	with power manag	jement (ID	by battery conditi	on in display) do no	t go t	the b	attery	
Fitting times, etc. N	otes										_
_											
Wire positions	and connection i	ointe oto a	re given. Use prob	o to identif	v correct wire in I	ocation					
			elay. For TF2302 Si					1	2	3	_
Lights	Vehicle Wire C	colours	Alternative			Location		4	5	6	ı
LH Flasher	Green/yellow		7				_	7	8	9	
Fog Light	Red							10	11	12	
							-				
RH Flasher	Green/yellow		Blue/yellow					\vdash		_	
RH Flasher RH Side Light	Green/yellow White/black		Blue/yellow Red/yellow					13	14	45	
	-			.				13	14	15	
RH Side Light	White/black		Red/yellow	;				13	14	15	

Quality, Service, Innovation

7-Core Entry Point	Longer 7 C	Core Cable		Bypass Recommen F2302, see SmartCA		Other Rel	ay Rec	omende
			None					
Automatic Trailer Flashe	er Monitor Reversing	Sensor		Cut Out Switch, et	c.	Mfr's Tow	ing Plu	ıg
	_							
Find Constant Live				Find Ignition-Swit	ched Live			
Colour:				Colour:				
Location:				Location:				
Add Fuse:				Add Fuse:				
Best Wiring Location		Route to Battery			Fusebox L	ocation		
Choose power so	urce carefully. On cars v	with power manag	gement (ID	by battery condition	ı in display) do not go	to the b	attery.
Fitting times, etc. Notes								
Negative fog: use TF1011	to earth switch it. (See P	ractical Guide)						
Wire positions and o	connection points etc ar	e given. Use prob	e to identif	y correct wire in loc	ation.	1	2	3
These notes	relate fitting bypass re	lay. For TF2302 S	martCAN, s	ee SmartCAN Data		4	5	
Lights Ve	ehicle Wire Colours	Alternative	•	Lo	cation	7	8	9
LH Flasher							+	-
Fog Light						10	11	12
RH Flasher							-	+-
RH Side Light						13	14	15
Brake Light								
LH Side Light						16	17	18
Reverse						_	+	

Quality, Service, Innovation

Suzuki Super Carry Van 2002 -

7-Core Entry Point		Longer 7	Core Cable			Bypass Recomme 2302, see SmartC		Othe	r Rela	y Reco	meno	ed
				Non	ie							
Automatic Trailer Fl	lasher Monitor	Reversing	Sensor			Cut Out Switch,	etc	Mfr's	Towi	ng Plu	a	
		T.O.O.O.I.	<u>, conser</u>			out out ownon,					9	
Find Constant Live						Find Ignition-Sw	itched Live					
Colour:						Colour:						
Location:						Location:						
Add Fuse:						Add Fuse:						
Best Wiring Location	on		Route to Batte	ry			Fusebox L	.ocatior)			
9/21												
		ly. On cars	with power mar	agemen	t (ID I	by battery condition	on in display	/) do no	t go t	the b	attery	
Fitting times, etc. N	lotes											
Wire positions	and connection	ooints etc a	ıre given. Use pr	obe to id	entify	correct wire in lo	ocation.					
These	notes relate fittin	g bypass r	elay. For TF2302	SmartC/	AN, s	ee SmartCAN Data	a		1	2	3	
Lights	Vehicle Wire C	Colours	Alternati	ve		L	ocation		4	5	6	
LH Flasher	Green/red								7	8	9	-
Fam Limbt	Green/blue								10	11	12	
Fog Light	0.00.00											
RH Flasher	Green/yellow								\vdash			
									13	14	15	
RH Flasher	Green/yellow								13	14	15	
RH Flasher RH Side Light	Green/yellow Red/gold								13	14	15	

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Quality, Service, Innovation

Core Entry Point		Longer 7 Co	re Cable		Bypass Recommen F2302, see SmartC		Other Rela	ıy Reco	omende
				None					
ıtomatic Trailer F	lasher Monitor	Reversing S	ensor		Cut Out Switch, e	tc.	Mfr's Towi	ing Plu	g
nd Constant Live					Find Ignition-Swit	ched Live	-		
Colour:					Colour: Yello	w/blue			
Location:					Location: 19 la	mp			
Add Fuse:					Add Fuse:	-			
est Wiring Location	on	R	oute to Batter	у	1	Fusebox L	ocation		
Lamp		Α	long chassis - ı	protect with co	onvoluted tubing				
itting times, etc. N	lotes						-		
					y correct wire in lo		1	2	3
		bypass rela		SmartCAN, s	ee SmartCAN Data		4	5	3 6
These	notes relate fitting	bypass rela	y. For TF2302	SmartCAN, s	ee SmartCAN Data				3 6 9
These	Vehicle Wire Co	bypass rela	y. For TF2302	SmartCAN, s	ee SmartCAN Data		4	5	3 6 9
These Lights LH Flasher	Vehicle Wire Co	bypass rela	y. For TF2302	SmartCAN, s	ee SmartCAN Data		7	5	6 9
Lights LH Flasher Fog Light	Vehicle Wire Co Green/red Green/blue	bypass rela	y. For TF2302	SmartCAN, s	ee SmartCAN Data		7	5	6 9
Lights LH Flasher Fog Light RH Flasher	Vehicle Wire Co Green/red Green/blue Green/yellow	bypass rela	y. For TF2302 Alternativ	SmartCAN, s	ee SmartCAN Data		10	5 8	6 9
Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire Co Green/red Green/blue Green/yellow Red/green	bypass rela	y. For TF2302 Alternativ	SmartCAN, s	ee SmartCAN Data		10	5 8	6 9

Quality, Service, Innovation

Suzuki Waggon RT 2WD/4WD 2001 -

7-Core Entry Point		onger 7 Co	ore Cable		Bypass Recommen F2302, see SmartC		Othe	r Rela	y Reco	omeno
20 Grommet left of ce	entre			TF2218/7	7SMARTLOGIC					
Automatic Trailer Fla	asher Monitor	Reversing S	ensor		Cut Out Switch, et	c.	Mfr's	Towi	ng Plu	a
					,				<u> </u>	<u> </u>
Find Constant Live					Find Ignition-Swit	ched Live				
Colour:					Colour:					
Location: 10					Location:					
Add Fuse:					Add Fuse:					
Add I use.					Add 1 d3c.					
Best Wiring Location	n	R	Route to Battery			Fusebox L	ocation	l		
Fitting times, etc. Now Warning: Don't leave		hicle will imn	nobilize after a sh	ort time - de	ealer reset required					
Warning: Don't leave Wire positions a These n	and connection po	ints etc are bypass rela	given. Use prob y. For TF2302 Sr	e to identif	y correct wire in loc see SmartCAN Data			1 4	2 5	3 6
Warning: Don't leave Wire positions a These n	and connection ponotes relate fitting Vehicle Wire Co	ints etc are bypass rela	given. Use prob	e to identif	y correct wire in loc see SmartCAN Data	cation.				3 6 9
Warning: Don't leave Wire positions a These n Lights LH Flasher	and connection ponotes relate fitting Vehicle Wire Co	ints etc are bypass rela	given. Use prob y. For TF2302 Sr	e to identif	y correct wire in loc see SmartCAN Data			4	5	3 6 9
Warning: Don't leave Wire positions a These n	and connection ponotes relate fitting Vehicle Wire Co Green/red Brown/yellow	ints etc are bypass rela	given. Use prob y. For TF2302 Sr	e to identif	y correct wire in loc see SmartCAN Data			7	5	3 6 9
Wire positions a These n Lights LH Flasher Fog Light RH Flasher	and connection ponotes relate fitting Vehicle Wire Co	ints etc are bypass rela	given. Use prob y. For TF2302 Sr Alternative	e to identif martCAN, s	y correct wire in loc see SmartCAN Data			4 7 10	5 8	
Wire positions a These n Lights LH Flasher Fog Light RH Flasher RH Side Light	and connection ponotes relate fitting Vehicle Wire Co Green/red Brown/yellow Green/yellow	ints etc are bypass rela	given. Use prob y. For TF2302 Sr	e to identif martCAN, s	y correct wire in loc see SmartCAN Data			7	5	3 6 9 12
Wire positions a These n Lights LH Flasher Fog Light RH Flasher	and connection ponotes relate fitting Vehicle Wire Co Green/red Brown/yellow Green/yellow Red/black	ints etc are bypass rela	given. Use prob y. For TF2302 Sr Alternative	e to identif martCAN, s	y correct wire in loc see SmartCAN Data			4 7 10	5 8	

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7-Core Entry Point		Longer 7	Core Cable	If 7	Bypass Recomme F2302, see Smart		Othe	r Rela	y Reco	mende
See note below				None						
Automatic Trailer F	lasher Monitor	Reversin	g Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	α
			<u>3</u>		,					<u> </u>
Find Constant Live					Find Ignition-Sw	ritched Live				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Location	on		Route to Battery	1		Fusebox L	.ocation	1		
15 amp, slot 10			See note below	·						
Choose pow	er source careful	ly. On cars	s with power mana	gement (ID	by battery conditi	on in display	/) do no	t go to	the b	attery.
Fitting times, etc. N	Notes									
Wiring: all wiring belo	ow chassis in ribbe	ed plastic c	over.Connect behin	d upper ligh	ts, away from water	, etc.				
					fy correct wire in I			1	2	3
These	notes relate fittin	g bypass ı	elay. For TF2302 \$	SmartCAN,	see SmartCAN Dat	a		4	5	
Lights	Vehicle Wire C	Colours	Alternativ	е		Location		7	8	9
LH Flasher	Blue							\vdash		,
Fog Light	Pink/black							10	11	12
RH Flasher	Green									
RH Side Light	White							13	14	15
Brake Light	Pink									
LH Side Light	Grey							16	17	18
Reverse										

Quality, Service, Innovation

Car Data Sheet Tata Safari All 2003 -

7-Core Entry Point	t	Longer 7 C			Bypass Recommer F2302, see SmartC				mend	ed	
				None			TF2100	Т			
Automatic Trailer I	Flasher Monitor	Reversing \$	Sensor	<u> </u>	Cut Out Switch, e	tc.	Mfr's To	owin	a Plu		
					,		Behind				er
Find Constant Live					Find Ignition-Swit	ched Live		_			
	•					CIICA LIVE					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Locati	ion		Route to Battery			Fusebox Lo	ocation				
Choose pov	ver source careful	ly. On cars w	ith power manage	ement (ID	by battery conditio	n in display)	do not g	o to	the ba	attery.	
Fitting times, etc.	Notes										
Wire positions											
	s and connection i	oints etc are	aiven. Use probe	to identify	v correct wire in lo	cation	_	_		_	
These	s and connection p notes relate fittin	ooints etc are g bypass rela	given. Use probe y. For TF2302 Sm	to identify	y correct wire in lo ee SmartCAN Data	cation.		1	2	3	•
These	s and connection penotes relate fittin	g bypass rela	e given. Use probe ay. For TF2302 Sm Alternative	to identif	ee SmartCAN Data	cation.	╗┋	4	5	3 6	I
These	notes relate fittin	g bypass rela	ay. For TF2302 Sm	to identif	ee SmartCAN Data		╗┋	-		3 6 9	l
These	vehicle Wire C	g bypass rela	ay. For TF2302 Sm	to identif	ee SmartCAN Data		▮▮	4	5	3 6 9	
Lights LH Flasher	Vehicle Wire C	g bypass rela	ay. For TF2302 Sm	to identify	ee SmartCAN Data		▮▮	7	5	6	
Lights LH Flasher Fog Light	Vehicle Wire C Blue Pink/black	g bypass rela	ay. For TF2302 Sm	to identify	ee SmartCAN Data			7	5 8 11	6	
Lights LH Flasher Fog Light RH Flasher	Vehicle Wire C Blue Pink/black Green	g bypass rela	ay. For TF2302 Sm	to identify	ee SmartCAN Data			7	5	9 12	
Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire C Blue Pink/black Green White	g bypass rela	ay. For TF2302 Sm	e to identify	ee SmartCAN Data			7	5 8 11	9 12	

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Quality, Service, Innovation

7-Core Entry Point Longer 7			Core Cable	Bypass Recommended If TF2302, see SmartCAN data			Other Relay Recomended			
21			-	None						
Automatic Trailer Flasher Monitor Reversing			Sensor	ensor Cut Out Switch, etc.		tc.	Mfr's Towing Plug			
									<u>-</u>	
Find Constant Live					Find Ignition-Swit	ched Live				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
7.00 7.000.					7.44 . 455.					
Best Wiring Locatio	n		Route to Battery			Fusebox Lo	ocation			
		. On cars v	with power manag	ement (ID	by battery conditio	n in display)	do not go t	o the b	attery.	
Fitting times, etc. N	lotes									
	and connection no									
					y correct wire in lo		1	2	3	
1116561					y correct wire in lo ee SmartCAN Data				3	
Lights		bypass re			ee SmartCAN Data		4	5	3 6	
	notes relate fitting	bypass re	lay. For TF2302 Sn		ee SmartCAN Data				3 6 9	
Lights	Vehicle Wire Co	bypass re	lay. For TF2302 Sn		ee SmartCAN Data		4	5	3 6 9	
Lights LH Flasher	Vehicle Wire Co Green/black	bypass re	lay. For TF2302 Sn		ee SmartCAN Data	ocation	4 7	5	6 9	
Lights LH Flasher Fog Light	Vehicle Wire Co Green/black Red/yellow	bypass re	lay. For TF2302 Sn		ee SmartCAN Data	ocation	4 7	5	6 9	
Lights LH Flasher Fog Light RH Flasher	Vehicle Wire Co Green/black Red/yellow Green/yellow	bypass re	lay. For TF2302 Sn		ee SmartCAN Data	ocation	10	5 8 11	6 9	
Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire Co Green/black Red/yellow Green/yellow Green	bypass re	lay. For TF2302 Sn		ee SmartCAN Data	ocation	10	5 8 11	6 9	

Quality, Service, Innovation

LH Side Light

Reverse

Green

Red

ar Data Sneet						oyota A	uris A	AII (5prii	ng zu
'-Core Entry Point		Longer 7	Core Cable		Bypass Recommen F2302, see SmartC <i>F</i>		Other	Rela	y Reco	omende
9/21 Grommets in floo	or	2m								
Automatic Trailer Flas	sher Monitor	Reversing	g Sensor		Cut Out Switch, et	C.	Mfr's	Towi	ng Plu	g
nd Constant Live					Find Ignition-Swite	ched Live				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Location			Route to Battery			Fusebox Lo	ocation			
1										
					1 1 4 194					
Fitting times, etc. Not		ly. On cars	with power manag	gement (ID	by battery condition	ı ın display) do not	go to	tne b	attery.
Ise red Scotchloks or		zer (TF115!	5) to match thin cabl	les						
			, , , , , , , , , , , , , , , , , , , ,							
					y correct wire in loc ee SmartCAN Data	ation.		1 4	2	3
Lights	Vehicle Wire C	colours	Alternative)	Lo	cation		7	8	
LH Flasher	Yellow					19	-	-		
Fog Light	Light blue					21		10	11	12
RH Flasher	Light blue					21	-	_		
RH Side Light	Grey		Green			21		13	14	15
Brake Light	Dark blue					21				

19

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Quality, Service, Innovation

LH Side Light Reverse

Red

7-Core Entry Point		Longer 7 Co	ore Cable	If T	Bypass Recomr F2302, see Sma		Other	Rela	y Reco	mend
				None			TF221	18/7SI	MARTI	OGIC
Automatic Trailer Fl	asher Monitor	Reversing S	Sensor		Cut Out Switch	n, etc.	Mfr's	Towi	ng Plu	g
Find Constant Live					Find Ignition-S	Switched Live				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Locatio	n	1	Route to Battery	1		Fusebox Lo	cation			
Choose power	er source carefu	lly. On cars w	ith power mana	gement (ID	by battery cond	ition in display)	do not	go to	the b	attery.
Fitting times, etc. N	lotes									
Vire battery side of r	nultiplug to lights									
					fy correct wire ir see SmartCAN D			1 4	2	3
Lights	Vehicle Wire	Colours	Alternative	е		Location		7	8	9
LH Flasher	Yellow		Thick				•	-	-	-
Fog Light	Blue				19 8	B-way block, high		10	11	12
RH Flasher	Blue		Thick							Ш
RH Side Light	Green							13	14	15
Brake Light	Blue									

19 13-way block, high

Quality, Service, Innovation

Red

Reverse

ar Data Shee	et				Т	oyota A	vens	is A	II Ju	ne 2	008
7-Core Entry Point		Longer 7 C	ore Cable		Bypass Recomme F2302, see Smart(Othe	r Rela	y Reco	omend	led
19 (21 in Estate) Gro	mmet in floor			TF2218/	7SMARTLOGIC						
Automatic Trailer F	lasher Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	ıg	
Find Constant Live					Find Ignition-Sw	itched Live					
Colour:					Colour:						
Location: Fusebox	v				Location:						
Add Fuse:	^				Add Fuse:						
Best Wiring Location	on		Route to Battery			Fusebox L	_ocation	<u> </u>			
						10					
Choose pow	er source careful	ly. On cars v	with power mana	gement (ID	by battery condition	on in display	y) do no	t go to	the b	attery.	
Fitting times, etc. N	lotes										
ESTATE: Connect on feed side Thin purple is electric		hts									
-											
					y correct wire in le			1	2	3	
Lights	Vehicle Wire 0	Colours	Alternative	9	J	_ocation		4	5	6	
LH Flasher	Blue					19	_	<u> </u>	8	-	
Fog Light	Grey					19		10	11	12	
RH Flasher	Green					21		$\vdash \vdash$		$\vdash \vdash$	
RH Side Light	Yellow					21		13	14	15	
Brake Light	Orange					19					
LH Side Light	Yellow					19		16	17	48	

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Toyota Avensis Estate Spring 2003 -

7-Core Entry Point		Longer 7	7 Core Cable			Bypass Recomme F2302, see SmartC		Othe	r Rela	y Reco	omende
				1	None						
Automatic Trailer Fl	asher Monitor	Reversir	ng Sensor			Cut Out Switch, e	etc.	Mfr's	Towi	ng Plu	g
Find Constant Live						Find Ignition-Swi	tched Live				
Colour:						Colour:					
Location: Battery						Location:					
Add Fuse:						Add Fuse:					
Best Wiring Locatio	n		Route to Bat	tery			Fusebox L	ocation	1		
19 Lamp			Glove box (gr	rommet l	behind)		Under bonn	net	-		
Choose power	er source careful	lly. On car	s with power m	anagen	nent (ID I	by battery condition	n in display) do no	t go t	o the b	attery.
Fitting times, etc. N	lotes							-			
2006 All wires may be		t cluster									
Niring: N/s flasher ar	nd reverse found i	under n/s o	door kick plate.O	/s wires	found rui	nning across spare	wheel well.T	his is to	save	time re	moving
and rear panels.											
Wire positions	and connection	points etc	are given. Use	probe to	o identify	y correct wire in lo	cation.				
These r	notes relate fittin	g bypass	relay. For TF23	02 Smai	rtCAN, s	ee SmartCAN Data	1		1	2	3
Lights	Vehicle Wire (Colours	Alterna	ative		L	ocation		4	5	6
LH Flasher	Green/white								7	8	9
Fog Light	Red/white								10	11	12
RH Flasher	Green/yellow								Ш		Ш
RH Side Light	Green								13	14	15
Brake Light	Green/white										
LH Side Light									16	17	49
Reverse	Red/black						13				

Ryder Towing Equipment Ltd Quality, Service, Innovation

7-Core Entry Point		Longer 7 (Core Cable		/pass Recommer 302, see SmartC		Other Re	ay Rec	omende
19 Grommet				None					
Automatic Trailer F	lasher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's Tov	ing Plu	ıq
✓					, , , , , , , , , , , , , , , , , , ,				<u> </u>
Find Constant Live		1		F	ind Ignition-Swit	ched Live			
Colour:					Colour:				
Location: Stalk					Location:				
Add Fuse:					Add Fuse:				
Best Wiring Location	on		Route to Battery	,		Fusebox L	ocation		
9 Lamp			,						
Choose power	er source careful	ly. On cars	with power mana	gement (ID by	battery conditio	n in display) do not go	to the b	attery.
Fitting times, etc. N	Notes								
Wiring: Bring opposit		ight leads ac	cross to connection	n point					
Wire positions	and connection i	noints etc a	re given. Use prol	he to identify (correct wire in lo	cation	_		
			lay. For TF2302 S				1	2	3
Lights	Vehicle Wire C	Colours	Alternative	e	L	ocation	4	5	6
LH Flasher	Green/black		Green/whit	e			7	8	9
Fog Light	Red/yellow		Verso: Blue	e/red 13 kick pl	late		10	11	12
RH Flasher	Green/yellow			·					
RH Side Light	Green						13	14	15
Brake Light	Green/white						I		
LH Side Light	Green						16	17	18
Reverse	Red/black						- 10	+	

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Quality, Service, Innovation

Reverse

Red/black

7-Core Entry Point		Longer 7 Cor	e Cable	Rı	pass Recomme	nded	Othe	r Rela	v Rece	omende
Oole Link y i Ollik		Longer / Col	C Cabic		302, see Smart(Othe	i ivela	y INCO	Jilieliu
9 Grommet				None						
Automatic Trailer FI	asher Monitor	Reversing Se	ensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	g
ind Constant Live				F	Find Ignition-Sw	itched Live				
Colour:					Colour:					
Location: Glove bo	ox (rear)				Location:					
Add Fuse:	(,				Add Fuse:					
Best Wiring Locatio	n	Ro	oute to Battery			Fusebox L	ocation)		
19 Lamp										
Choose power	er source carefull	y. On cars wit	h power manage	ement (ID by	battery condition	on in display	/) do no	t go to	the b	attery.
Fitting times, etc. N	lotes									
See alternative colou		2005								
Wire positions	and connection p	oints atc are o	siven Hee probe	to identify	correct wire in l	ocation				
These r	notes relate fitting	bypass relay	. For TF2302 Sn	artCAN see	SmartCAN Dat	a		1	2	3
					omanco, at bac	-				
		olours		,				4	5	6
Lights LH Flasher	Vehicle Wire Co	olours	Alternative			Location		7	5 8	9
Lights LH Flasher	Vehicle Wire Co	olours	Alternative		ı	Location				9 12
Lights	Vehicle Wire Co Green/white Red/white	olours			ı			7	8	H
Lights LH Flasher Fog Light RH Flasher	Vehicle Wire Co	olours	Alternative		1	Location 9 high up		10	11	12
Lights LH Flasher Fog Light	Vehicle Wire Co Green/white Red/white Green/yellow	olours	Alternative	door plate	1	Location		7	8	H

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Quality, Service, Innovation

Toyota Corolla Hatchback 2002 -

7-Core Entry Point		Longer 7 Core C	able		Bypass Recommended 2302, see SmartCAN data		ther Rela	y Reco	mended
19/21 Grommet		2m	No	one					
Automatic Trailer F	lasher Monitor	Reversing Sense	or		Cut Out Switch, etc.	N	lfr's Towi	ng Plu	a q
					,				
Find Constant Live					Find Ignition-Switched L	ive			
Colour:					Colour:				
Location:					Location:				
Add Fuse:					Add Fuse:				
Best Wiring Location	on	Route	e to Battery		Fuseb	ox Loca	tion		
21			met LH bulkhead						
Choose pow Fitting times, etc. N		y. On cars with p	ower manageme	ent (ID b	y battery condition in dis	play) do	not go to	o the b	attery.
					correct wire in location. ee SmartCAN Data		1	2	3
		g bypass relay. Fo					4	5	6
These	notes relate fittin	g bypass relay. Fo	or TF2302 Smart		ee SmartCAN Data				3 6 9
These	Vehicle Wire C	g bypass relay. Fo	or TF2302 Smart		ee SmartCAN Data		4	5	6
These Lights LH Flasher	Vehicle Wire C	g bypass relay. Fo	or TF2302 Smart		ee SmartCAN Data Location		7	5	6 9
Lights LH Flasher Fog Light	Vehicle Wire C Green/black Red/silver	g bypass relay. Fo	or TF2302 Smart		ee SmartCAN Data Location		7	5	6 9
Lights LH Flasher Fog Light RH Flasher	Vehicle Wire C Green/black Red/silver Green/yellow	g bypass relay. Fo	or TF2302 Smart		ee SmartCAN Data Location		10	5 8 11	6 9
Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire C Green/black Red/silver Green/yellow Green	g bypass relay. Fo	or TF2302 Smart		ee SmartCAN Data Location		10	5 8 11	6 9

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Quality, Service, Innovation

Toyota Corolla Verso MPV May 2004 -

7-Core Entry Point		Longer 7	Core Cable			ypass Recommer 2302, see SmartC		Othe	r Rela	y Reco	omende
19				None	9						
Automatic Trailer Fl	lasher Monitor	Reversin	g Sensor		(Cut Out Switch, e	tc.	Mfr's	Towi	ng Plu	a
			g 			<u></u>		19		g	9
Find Constant Live						Find Ignition-Swit	ched Live				
							Cilca Live				
Colour:						Colour:					
Location:						Location:					
Add Fuse:						Add Fuse:					
Rest Wiring Location	st Wiring Location Route to B						Fusebox L	ocation	,		
Choose power		ly. On cars	with power man	agement	(ID by	/ battery conditio	n in display	/) do no	t go to	o the b	attery.
Viring:There is a plu	g in the main loon	n n/s that h	as 2 earth wires &	Brake & s	ide lig	ht wires.N/s trim p	anel should	be loos	ened t	o gain	access.
These	notes relate fittin	g bypass ı	elay. For TF2302	SmartCA		correct wire in lo			1 4	2	3
Lights	Vehicle Wire C	Colours	Alternati	ve		Le	ocation		7	8	9
LH Flasher	Yellow								\vdash		$\vdash \vdash \vdash$
Fog Light	Red								10	11	12
RH Flasher	Green								\vdash		+
RH Side Light	Grey/red spots					1	9 Plug		13	14	15
Brake Light	Blue/silver hoo	ps									
LH Side Light	Grey					1	9 Plug		16	17	18
Reverse	Pink/silver hoo	ps						_	40		24

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Quality, Service, Innovation

Toyota Hi Ace Powervan Late 1995 -

7-Core Entry Point		Longer 7	Core Cable	lf ·	Bypass Recomme FF2302, see Smart0		Other F	Relay	Reco	mend	ed
Drill				None							
Automatic Trailer Fla	asher Monitor	Reversing	n Sensor		Cut Out Switch,	etc	Mfr's T	owin	a Plu	n	
	astron monitor	reversing	, ocnoo		Gut Gut Gwiton,	 		J 17 11 1	g i iu	9	
Find Constant Live					Find Ignition-Sw	itched Live					
						itcheu Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	n		Route to Battery	,		Fusebox L	ocation				
19/21											
Choose powe	r source carefull	y. On cars	with power mana	gement (IE	by battery conditi	on in display	/) do not g	o to	the b	attery.	
Fitting times, etc. No	otes										
Wire positions a	ınd connection p	oints etc a	re given. Use pro	be to ident	ify correct wire in I	ocation.					
					see SmartCAN Dat			1	2	3	•
Lights	Vehicle Wire C	olours	Alternativ	e		Location		4	5	6	
LH Flasher	Green/black							7	8	9	
	+										
Fog Light	Red/gold					21		10	11	12	
RH Flasher	Red/gold Green/yellow					21	- [10	11	12	
						21		13	14	12	
RH Flasher	Green/yellow					21		_			•
RH Flasher RH Side Light	Green/yellow Green/red					21		_			1

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Quality, Service, Innovation

Toyota Hi Lux TY129 Pickup 2000 -

7-Core Entry Point		Longer 7	Core Cable			Bypass Recommer 2302, see SmartC		Othe	r Rela	y Reco	meno	led
				Non	ne			TF21	00T/T	F20057	Γ/TF1′	5FL
Automatic Trailer Fl	lasher Monitor	Reversin	g Sensor			Cut Out Switch, e	tc.	Mfr's	Towi	ng Plu	g	
Find Constant Live						Find Ignition-Swi	tched Live					
Colour:						Colour:						
Location:						Location:						
Add Fuse:						Add Fuse:						
Best Wiring Location	nn .		Route to Batte	erv			Fusebox L	ocation	1			
21 Under chassis												
01			•••		. (15.1	1 44 114				41 1		
		ly. On cars	s with power ma	ınagemen	t (ID b	y battery conditio	n in display) do no	t go to	o the b	attery	
Fitting times, etc. N	lotes											
						correct wire in lo			1	2	3	_
Lights	Vehicle Wire (Coloure	Alterna	tivo			ocation		4	5	6	ı
LH Flasher	Green/black	Joiours	Aiterna	live		-	ocation		7	8	9	
Fog Light	Yellow/green								10	11	12	
									"			
RH Flasher	Green/yellow											
RH Side Light	Green								13	14	15	_
Brake Light	Green/white							_				
LH Side Light	Green								16	17	18	
Reverse	White							_	19	20	21	_

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Quality, Service, Innovation

Reverse

Red/white

Toyota Hilux 2/ Vigo Pickup 2005 -

7-Core Entry Point		Longer 7 C	Core Cable	If	Bypass Recomn TF2302, see Smar		Othe	r Rela	y Reco	omeno	bet
		4.5m		TF221	8/7SMARTLOGIC						
Automatic Trailer FI	asher Monitor	Reversing	Sensor		Cut Out Switch	ı, etc.	Mfr's	Towi	ng Plu	g	
Find Constant Live	- 1				Find Ignition-S	witched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Locatio	n		Route to Battery			Fusebox L	.ocatior	1			
10 Under seat											
Choose power	er source carefull	y. On cars v	with power mana	gement (I	D by battery condi	tion in display	/) do no	t go t	o the b	attery	
Fitting times, etc. N	lotes										
Toyota recommend b	ypass										
					tify correct wire in , see SmartCAN Da			1 4	2	3	
Lights	Vehicle Wire Co	olours	Alternative)		Location		7	8		ı
LH Flasher	Green/black	-					•	Ė	,	,	
Fog Light	Pink							10	11	12	
RH Flasher	Green/yellow							\vdash			
RH Side Light	Green							13	14	15	
Brake Light	Green/white										

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Quality, Service, Innovation

Toyota Hi-Lux Double-cab Pickup 1998 -2000

7-Core Entry Point		Longer 7	Core Cable		Bypass Recomme F2302, see Smart0		Other Re	lay Rec	omeno	ed
Grommet, 12 under se	at			3-way: S	top & L/R tails					
Automatic Trailer Flas	sher Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's To	ving Plu	ıg	
			•						<u> </u>	
Find Constant Live					Find Ignition-Sw	itched Live				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
			T							
Best Wiring Location Multiplug, 12 under sea			Route to Battery	'		Fusebox L	ocation			
Choose power	source carefull	v. On cars	with power mana	aement (ID	by battery condition	on in display) do not go	to the l	atterv	
Fitting times, etc. No			•				,			
					y correct wire in Io see SmartCAN Date		1	2	3	
Lights	Vehicle Wire C	olours	Alternative	9		ocation	7	5	9	
			Aitornativ	•	L					
LH Flasher	Green/black		Alternative					+		
Fog Light	Green/black Yellow/green		Alternativ				10	11	12	
			Aleman					11	12	
Fog Light	Yellow/green		Common L					11	12	
Fog Light RH Flasher	Yellow/green Green/yellow						10			
Fog Light RH Flasher RH Side Light	Yellow/green Green/yellow Green			/R			10			

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7-Core Entry Point	t	Longer 7	Core Cable		Bypass Recommer F2302, see SmartC		Other	r Rela	y Reco	omende
				None			TF210	00T		
Automatic Trailer I	Flasher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's	Towi	ng Plu	g
Find Constant Live	9				Find Ignition-Swi	tched Live				
Colour:					Colour:	.0.104 2.110				
Location:					Location:					
Add Fuse:					Add Fuse:					
Add Fuse.					Add I use.					
Best Wiring Locati	ion		Route to Batter	rv		Fusebox Le	ocation			
Fitting times, etc. Flasher relay on back Wire positions	Notes ck of fuse board s and connection p	points etc a	re given. Use pro	obe to identif	by battery condition	cation.		1	2	3
							- I	4	5	6
Lights	Vehicle Wire C	colours	Alternati	ve	L	ocation	┛	7	8	9
LH Flasher	Green/black						_	10	11	12
Fog Light	Yellow/green							10	"	12
RH Flasher	Green/yellow						_			\vdash
RH Side Light	Green							13	14	15
Brake Light	Green/white						- 1			
LH Side Light	Green						_ [16	17	18
Reverse	White		Thick				╛╴╴	19	20	21

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Quality, Service, Innovation

Toyota Landcruiser All 2001 -

7-Core Entry Point		Longer 7 Co	ore Cable		Bypass Recomme F2302, see SmartC		Other Rela	ay Reco	omende
19 Grommet in floor				None					
Automatic Trailer Fla	sher Monitor	Reversing S	Sensor		Cut Out Switch, e	etc.	Mfr's Tow	ina Plu	a
					,		19 Multiblo		<u> </u>
Find Constant Live					Find Ignition-Swi	tched Live			
Colour:				-	Colour:				
Location: Multiblock	k low by jack				Location:				
Add Fuse: 15	tion by jaon				Add Fuse:				
Best Wiring Location	 I		Route to Battery			Fusebox Lo	cation		
19 Multiblock						Under bonne	et		
Choose power Fitting times, etc. No		y. On cars w	ith power manage	ement (ID	by battery condition	on in display)	do not go t	o the b	attery.
					y correct wire in lo		1 4	2	3
		g bypass rela			ee SmartCAN Data		4 7		3 6
These no	otes relate fitting	g bypass rela	ay. For TF2302 Sm	nartCAN, s	ee SmartCAN Data	a	4	5	3 6 9
These no	vehicle Wire C	g bypass rela	Alternative	nartCAN, s	ee SmartCAN Data	a	4	5	3 6 9
These no	Vehicle Wire C Green/black	g bypass rela	Alternative 2003 fawn at	nartCAN, s t lamp blue	ee SmartCAN Data	ocation	4	5	6 9
These not Lights LH Flasher Fog Light	Vehicle Wire C Green/black Red/yellow	g bypass rela	Alternative 2003 fawn at 2003 white/b	nartCAN, s t lamp blue	ee SmartCAN Data	ocation	4	5	6 9
Lights LH Flasher Fog Light RH Flasher	Vehicle Wire C Green/black Red/yellow Green/yellow	g bypass rela	Alternative 2003 fawn at 2003 white/b	nartCAN, s t lamp blue ellow	ee SmartCAN Data	ocation	10	5 8	6 9
Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire C Green/black Red/yellow Green/yellow Green	g bypass rela	Alternative 2003 fawn at 2003 white/b 2003 Blue/ye	nartCAN, s t lamp blue ellow	ee SmartCAN Data	ocation	10	5 8	6 9

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Quality, Service, Innovation

LH Side Light

Reverse

Green

Red/black

ai Data Silee	•					Toyota	Lana	ci ai	301 /	AII 20
7-Core Entry Point		Longer 7 C	ore Cable		Bypass Recomme F2302, see SmartC		Othe	r Rela	y Reco	omende
9 Grommet in floor		2m								
Automatic Trailer Fl	asher Monitor	Reversing	Sensor		Cut Out Switch, e	etc.	Mfr's	Towi	ng Plu	g
							19 M	ultiblo	ck	
Find Constant Live					Find Ignition-Swi	tched Live				
Colour:					Colour:					
Location: Multibloo	ck low by jack				Location:					
Add Fuse: 20	or low by Juon				Add Fuse:					
Best Wiring Location	n		Route to Battery			Fusebox L	ocation			
						Under bonr				
		ly. On cars w	vith power manage	ment (ID	by battery condition	on in display) do no	t go to	the b	attery.
Fitting times, etc. N Slot by Radio 2 is for										
Slot by Radio 2 is for	constant live									
			e given. Use probe ay. For TF2302 Sma					1	2	3
Lights	Vehicle Wire C	olours	Alternative		L	ocation		7	8	6
LH Flasher	Blue/black					19	_	<u> </u>		,
Fog Light	Red/yellow					19		10	11	12
RH Flasher	Green/yellow					19		$\vdash \vdash$		
RH Side Light	Green					19		13	14	15
Brake Light	Green/white					19				

19

Quality, Service, Innovation

Toyota Landcruiser VX/Amazon May 1998 -

7-Core Entry Point		Longer 7 Co	ore Cable		Bypass Recommer F2302, see SmartC		Other Rela	y Reco	mended
				None			TF1152		
Automatic Trailer F	lasher Monitor	Reversing S	Sensor		Cut Out Switch, e	tc	Mfr's Towi	na Plu	
	addict Monitor	Reversing 0	CHOOL		out out ownon, o	10.	21	ng r iu	9
Find Constant Live					Find Ignition-Swi	ched Live			
					_	onca Live			
Colour:					Colour:				
Location:					Location:				
Add Fuse:					Add Fuse:				
Best Wiring Location	nn	F	Route to Battery			Fusebox L	ocation		
Choose power		y. On cars w	ith power manage	ement (ID	by battery condition	n in display) do not go t	o the b	attery.
Fault condition: If imr		set and car w	ill turn over but not	t start, disc	onnect both battery	negs for 2 m	ninutes and tr	/ again.	
Wire positions	and connection p	oints etc are	given. Use probe	to identify	y correct wire in lo	cation.	1	2	3 _
These	notes relate fitting	g bypass rela	y. For TF2302 Sm	e to identif nartCAN, s	ee SmartCAN Data		1 4	2	3 6
These Lights	Vehicle Wire C	g bypass rela	given. Use probe ny. For TF2302 Sm Alternative	to identif	ee SmartCAN Data	cation. ocation			3 6 9
Lights LH Flasher	Vehicle Wire C Black/green	g bypass rela	y. For TF2302 Sm	to identify aartCAN, s	ee SmartCAN Data		4 7	5	6
Lights LH Flasher Fog Light	Vehicle Wire C Black/green Red/yellow	g bypass rela	y. For TF2302 Sm	to identif	ee SmartCAN Data		4	5	3 6 9
Lights LH Flasher Fog Light RH Flasher	Vehicle Wire C Black/green Red/yellow Green/yellow	g bypass rela	Alternative	nartCAN, s	ee SmartCAN Data		10	5 8	6 9
Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire C Black/green Red/yellow Green/yellow Green	g bypass rela	y. For TF2302 Sm	nartCAN, s	ee SmartCAN Data		4 7	5	6
Lights LH Flasher Fog Light RH Flasher	Vehicle Wire C Black/green Red/yellow Green/yellow	g bypass rela	Alternative	nartCAN, s	ee SmartCAN Data		10	5 8	6 9

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-Core Entry Point		Longer 7 C	ore Cable		Bypass Recommer F2302, see SmartC		Other	Rela	y Reco	mend	ed
9				None							
utomatic Trailer F	asher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's 7	Towir	ng Plu	a	
		3									
ind Constant Live					Find Ignition-Swit	ched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Sest Wiring Location	n		Route to Battery	1		Fusebox Lo	ocation				
9			•					-			
Choose pow	er source careful	y. On cars v	vith power mana	gement (ID	by battery conditio	n in display)) do not	go to	the ba	attery.	
Fitting times, etc. N	lotes										
Wire positions											
					y correct wire in lo		Г				
These					y correct wire in lo see SmartCAN Data		_	1	2	3	•
Lights		g bypass rel		SmartCAN, s	ee SmartCAN Data		- I	4	5	3	I
	notes relate fittin	g bypass rel	ay. For TF2302 S	SmartCAN, s	ee SmartCAN Data	l	- I	-		3 6 9	
Lights	Vehicle Wire C	g bypass rel	ay. For TF2302 S	SmartCAN, s	ee SmartCAN Data	l		4	5	3 6 9	
Lights LH Flasher	Vehicle Wire C	g bypass rel	ay. For TF2302 S	SmartCAN, s	ee SmartCAN Data	l		7	5	6	
Lights LH Flasher Fog Light	Vehicle Wire C Green/black	g bypass rel	ay. For TF2302 S	SmartCAN, s	ee SmartCAN Data	l		7	5	6	
Lights LH Flasher Fog Light RH Flasher	Vehicle Wire C Green/black	g bypass rel	ay. For TF2302 S	SmartCAN, s	ee SmartCAN Data	l		4 7 10	5 8 11	9	
Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire C Green/black Green/yellow	g bypass rel	Alternative	SmartCAN, s	ee SmartCAN Data	l		4 7 10	5 8 11	9	

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Quality, Service, Innovation

Toyota Picnic MPV 1996 -

7-Core Entry Poin	t	Longer 7 Core C	able	Bypass Recommended If TF2302, see SmartCAN data		elay Rec	omended
Mfr. Grommet			None	9			
Automatic Trailer	Flasher Monitor	Reversing Senso	or	Cut Out Switch, etc.	Mfr's To	wina Plu	ıa
			<u> </u>			g	<u>. 9</u>
Find Constant Live	 e			Find Ignition-Switched Li	ve		
Colour:				Colour:			
Location:				Location:			
Add Fuse:				Add Fuse:			
Best Wiring Locat	ion	Route	to Battery	Fusebo	ox Location		
			vell, L/H (grommet)				
Choose pov		ly. On cars with p	ower management	(ID by battery condition in dis	play) do not go	to the b	attery.
				entify correct wire in location. NN, see SmartCAN Data	1		3
		g bypass relay. Fo				5	6
These	notes relate fittin	g bypass relay. Fo	or TF2302 SmartCA	NN, see SmartCAN Data		5	3 6 9
Lights	Vehicle Wire C	g bypass relay. Fo	or TF2302 SmartCA	NN, see SmartCAN Data	4	5	6
Lights LH Flasher	Vehicle Wire C	g bypass relay. Fo	or TF2302 SmartCA	N, see SmartCAN Data Location	4	5	6
Lights LH Flasher Fog Light	Vehicle Wire C Green/black Red	g bypass relay. Fo	or TF2302 SmartCA	N, see SmartCAN Data Location	4	5 8	6
Lights LH Flasher Fog Light RH Flasher	Vehicle Wire C Green/black Red Green/yellow	g bypass relay. Fo	or TF2302 SmartCA	N, see SmartCAN Data Location	plate 10	5 8	6 9
Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire C Green/black Red Green/yellow Green	g bypass relay. Fo	or TF2302 SmartCA	Location 15 under kick	plate 10	5 8	6 9

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Quality, Service, Innovation

LH Side Light

Reverse

Green/yellow

Red/black

Sar Data Snee	et				ı	oyota P	revia	IVIP	V 18	990 -	·200°
7-Core Entry Point		Longer 7	Core Cable	If 7	Bypass Recommer F2302, see SmartC		Other	Rela	y Reco	omeno	bet
19		12S: use	2m	None							
Automatic Trailer F	Flasher Monitor	Reversin	g Sensor		Cut Out Switch, e	etc.	Mfr's	Towi	ng Plu	g	
Find Constant Live					Find Ignition-Swi	tched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	on		Route to Batte	ry		Fusebox L	ocation				
			Along chassis -	protect with o	convoluted tubing						
Choose pow	ver source careful	lly. On cars	s with power mar	nagement (ID	by battery condition	n in display) do not	go to	the b	attery	·.
Fitting times, etc. I											
Wiring: Fog & revers connect wires). Lead					e 3 lining clips, unclip cluster.	loom (just l	ong enou	igh to	get fir	ngers i	n to
Wiring: Earlier Previ				l sliding door.	This is also a tight lo	om clipped t	to the roc	f. Fe	ed the	wires	back
					fy correct wire in lo see SmartCAN Data			1	2	3	
Lights	Vehicle Wire (Colours	Alternati	ive	L	ocation		7	5	6	ı
LH Flasher	Green/black						-	•		,	ſ
Fog Light	Red				19	Roof lining		10	11	12	
RH Flasher	Green/yellow						-				
RH Side Light	Green							13	14	15	
Brake Light	Green/white										

19 Roof lining

Ryder Towing Equipment Ltd **Quality, Service, Innovation**

Reverse

7-Core Entry Point		Longer 7 Cor	e Cable		Bypass Recommen F2302, see SmartC		Other	r Rela	y Reco	omend
19		12S: use 2m		None						
Automatic Trailer F	lasher Monitor	Reversing Se	nsor		Cut Out Switch, e	tc.	Mfr's	Towi	ng Plu	g
Find Constant Live	1				Find Ignition-Swit	ched Live	1			
Colour:					Colour:					
Location: 19 lamp)				Location:					
Add Fuse:					Add Fuse:					
Best Wiring Location	on	Ro	oute to Battery		1	Fusebox Lo	cation			
19										
Choose pow	er source carefully	. On cars witl	h power manag	ement (ID	by battery condition	n in display)	do not	go to	the b	attery.
Fitting times, etc. N	Notes									
Wiring: Bring opposit	te flasher and tail lig	ht leads acros	s to connection	point						
Wire positions These	and connection po	ints etc are g bypass relay	jiven. Use probe . For TF2302 Sn	e to identif nartCAN, s	y correct wire in loo ee SmartCAN Data	cation.		1 4	2	3
Lights	Vehicle Wire Co	lours	Alternative		Lo	ocation	▋	7	8	9
LH Flasher	Green/black									-
Fog Light	Red/blue				19 hin	ge grommet		10	11	12
RH Flasher	Green/white									\vdash
RH Side Light	Green							13	14	15
Brake Light	Green/white									
I H Side I jaht	Green			-						

Quality, Service, Innovation

Toyota RAV 4 4WD 1994 - Summer 2000

7-Core Entry Point					Bypass Recomme F2302, see Smart(Other	r Rela	y Reco	omended
21 Grommet				None						
Automatic Trailer Fl	asher Monitor	Reversing Sen	sor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	g
					,					<u> </u>
Find Constant Live					Find Ignition-Sw	itched Live				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
Add I use.					7 dd 1 doc.					
Best Wiring Locatio	n	Rou	te to Battery			Fusebox L	ocation.			
		y. On cars with	power manage	ement (ID	by battery conditi	on in display	/) do not	t go to	o the b	attery.
Fitting times, etc. N Wiring: 3 plugs above	lotes e speaker: bottom and connection p	one has RH light	s ; middle has f	fog (orange		r door kick pa				
Wiring: 3 plugs above Wire positions a These r	lotes e speaker: bottom and connection p	one has RH light oints etc are giv g bypass relay. I	s ; middle has f	fog (orange	y correct wire in I	r door kick pa		re loor	m splits	3.
Fitting times, etc. N Wiring: 3 plugs above	e speaker: bottom and connection p	one has RH light oints etc are giv g bypass relay. I	s ; middle has f	fog (orange	y correct wire in I	r door kick pa		re loor	n splits	3.
Wire positions a These r	and connection photes relate fitting	one has RH light oints etc are giv g bypass relay. I	s ; middle has f	fog (orange	y correct wire in I	r door kick pa		re loor	m splits	3.
Wiring: 3 plugs above Wire positions a These r Lights LH Flasher	and connection photes relate fitting Vehicle Wire C Green/black	one has RH light oints etc are giv g bypass relay. I	s ; middle has f	fog (orange	y correct wire in I	r door kick pa		e loor	n splits	3 6 9
Wire positions a These r Lights LH Flasher Fog Light	and connection protes relate fitting Vehicle Wire C Green/black Red	one has RH light oints etc are giv g bypass relay. I	s ; middle has f	fog (orange	y correct wire in I	r door kick pa		e loor	n splits	3 6 9
Wire positions a These r Lights LH Flasher Fog Light RH Flasher	and connection protes relate fitting Vehicle Wire C Green/black Red Green/yellow	one has RH light oints etc are giv g bypass relay. I	s ; middle has f	fog (orange	y correct wire in I	r door kick pa		1 4 7 10	2 5 8	3 6 9
Wire positions a These r Lights LH Flasher Fog Light RH Flasher RH Side Light	and connection protes relate fitting Vehicle Wire C Green/black Red Green/yellow Green	one has RH light oints etc are giv g bypass relay. I	s ; middle has f	fog (orange	y correct wire in I	r door kick pa		1 4 7 10	2 5 8	3 6 9

Ryder Towing Equipment Ltd

Quality, Service, Innovation

7-Core Entry Point					Bypass Recommer F2302, see SmartC		Other	Rela	y Reco	omende
21 Grommet rear floo	or			None						
Automatic Trailer F	lasher Monitor	Reversing	Sensor		Cut Out Switch, e	etc.	Mfr's 7	Towir	na Plu	α
					,					<u> </u>
Find Constant Live					Find Ignition-Swi	tched Live				
Colour: Black/w	hite				Colour:					
Location: Fusebox	x				Location:					
Add Fuse:					Add Fuse:					
Best Wiring Location	n .		Route to Battery	,		Fusebox L	ocation			
18, 21	211		Route to Battery			Dash, R/H				
Fitting times, etc. N Viring: Bring opposit	Notes				by battery condition	n in display) do not	go to	the b	attery.
Wire positions	and connection p	oints etc are	e given. Use pro	be to identif	y correct wire in lo		Г	4	2	3
These i	notes relate fitting	g bypass rel	ay. For TF2302 S	SmartCAN, s	ee SmartCAN Data	1		4	5	-
Lights	Vehicle Wire C	olours	Alternative	е	L	ocation		7	8	9
LH Flasher	Green/black		Green/yello	ow			4	•		
Fog Light	Red/black							10	11	12
RH Flasher	Green/yellow						-	\rightarrow		
RH Side Light	Green							13	14	15
Brake Light	Green/white		Green/red							
LH Side Light	Green/red							16	17	18
Reverse	Blue/red		Yellow/red				1	40		24

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Quality, Service, Innovation

Reverse

Red

ai Dala Silee	, i					ю	Ola R	~~	v	VD Z	UU
7-Core Entry Point		Longer 7	Core Cable		Bypass Recomme F2302, see Smart		Othe	r Rela	y Rec	omend	ed
19 Grommet				TF2218/	7SMARTLOGIC						
Automatic Trailer F	lasher Monitor	Reversing	g Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	ıg	
			-								
Find Constant Live					Find Ignition-Sw	itched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	on		Route to Batte	ry		Fusebox L	_ocation	1			
19 (21)			Glove box (gron	nmet behind)							
	er source carefully	y. On cars	with power mar	nagement (ID	by battery conditi	on in display	y) do no	t go to	o the b	attery.	
Fitting times, etc. No. ED rear lights: bypa											
LD real lights. Dypa	iss esserillar										
	and connection p							1 4	2	3	
Lights	Vehicle Wire Co	olours	Alternati	ve		Location		7	8	-	
LH Flasher	Yellow						_	\vdash	3	-	-
Fog Light	Blue					B9		10	11	12	
RH Flasher	Blue		1 of 2			21		\vdash		\vdash	
RH Side Light	Green					21		13	14	15	
Brake Light	Blue					19					
LH Side Light	Green					19		16	47	49	

Quality, Service, Innovation

Car Data Sheet Toyota Surf 4WD -

ai Data Office	, (Jyo	ia Oi	uii -	***
7-Core Entry Point		Longer 7 Co	ore Cable	If	Bypass Recommon TF2302, see Smart		Other	Rela	y Rec	omeno	led
				None							
Automatic Trailer F	lasher Monitor	Reversing S	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	ıg	
					,					<u> </u>	
Find Constant Live					Find Ignition-Sw	vitched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	on	I	Route to Battery	,		Fusebox I	_ocation				
21											
Choose pow	er source careful	ly. On cars w	vith power mana	gement (I	D by battery conditi	ion in display	y) do not	go to	o the b	attery	
Fitting times, etc. N	lotes										
Viring: Bring opposit	te flasher and tail I	ight leads acr	oss to connection	n point							
These					tify correct wire in l , see SmartCAN Da		_	1 4	2	3	
Lights	Vehicle Wire C	colours	Alternativ	е		Location	_	7	8	9	
LH Flasher	Green/black						_ 7			\vdash	
Fog Light								10	11	12	
RH Flasher	Green/yellow										
RH Side Light	Green		brown ring	s				13	14	15	
Brake Light	Green/white										
LH Side Light	Green		Silver rings	3				16	47	48	

Ryder Towing Equipment Ltd

Quality, Service, Innovation

Reverse

7-Core Entry Point		Longer 7	Core Cable			Bypass Recomme F2302, see Smart0		Othe	r Rela	y Reco	meno	led
Automatic Trailer F	lasher Monitor	Reversing	g Sensor			Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	g	
Find Constant Live						Find Ignition-Sw	itched Live					
Colour:						Colour:						
Location:						Location:						
Add Fuse:						Add Fuse:						
Best Wiring Location	on		Route to I	Battery			Fusebox L	ocation	1			
19, 21 Lamps												
Choose pow		ly. On cars	with powe	r manage	ment (ID	by battery condition	on in display) do no	t go t	o the b	attery	-
						y correct wire in lo ee SmartCAN Dat		_ [1 4	2	3	
Lights	Vehicle Wire (Colours	Alte	ernative		l	ocation		7	8	9	ı
LH Flasher	Green/black						21	_				Γ.
Fog Light									10	11	12	
	0 / "						19		\perp			
RH Flasher	Green/yellow						10				l	
RH Flasher RH Side Light	Green/yellow						10		13	14	15	
	Green/yellow Green/white						19		13	14	15	
RH Side Light	,								13	14	15	

Quality, Service, Innovation

7-Core Entry Point		Longer 7	Core Cable		Bypass Recommer F2302, see SmartC		Other R	elay R	ecom	ended
19 Grommet				None						
Automatic Trailer Fla	sher Monitor	Reversing	a Sensor		Cut Out Switch, e	tc.	Mfr's To	owina	Plua	
			,					·····9	9	
Find Constant Live					Find Ignition-Swit	tched Live				
						iciica Live				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Location	<u> </u>		Route to Batter	у		Fusebox Lo	ocation			
19, 21 Lamps						Glove box				
Choose power		ly. On cars	with power man	agement (ID	by battery conditio	n in display)	do not g	o to th	e batte	ery.
Fusebox: 2nd box und		nind air filtei	r							
Wire positions an	nd connection potes relate fittin	ooints etc a g bypass re	are given. Use pro elay. For TF2302	obe to identify SmartCAN, s	y correct wire in lo ee SmartCAN Data	cation.		1 2		
Lights	Vehicle Wire C	olours	Alternativ	/e	L	ocation		7 8		
LH Flasher							_	- 8	<u>'</u>	
Fog Light							1	0 1	1 1	2
RH Flasher							7 L			_
RH Side Light							ΠΙ.	3 1		5
Brake Light								_ '	. '	
LH Side Light							■.	6 1	, ,	8
Davaras								1	<u>'</u>	

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Quality, Service, Innovation

Core Entry Point		Longer 7	Core Cable		Bypass Recommende F2302, see SmartCAN		Other Rela	ay Reco	omende
				TF2218/7	7SMARTLOGIC				
utomatic Trailer F	lasher Monitor	Reversin	a Sensor		Cut Out Switch, etc.		Mfr's Tow	ina Plu	ıa
			g ••••••					g	·9
ind Constant Live					Find Ignition-Switche	ed Live			
Colour:					Colour:				
Location:					Location:				
Add Fuse:					Add Fuse:				
Add Fuse.					7144 1 400.				
est Wiring Location	on		Route to Battery		Fu	sebox Lo	cation		
1 lamp									
Choose pow	er source carefully	y. On cars	with power manag	jement (ID	by battery condition in	display)	do not go t	o the b	attery.
		y. On cars	s with power manag	jement (ID	by battery condition in	display)	do not go t	o the b	attery.
Choose pow		y. On cars	s with power manag	gement (ID	by battery condition in	ı display)	do not go t	o the b	attery.
		y. On cars	s with power manag	jement (ID	by battery condition in	n display)	do not go t	o the b	attery.
itting times, etc. N	Notes						do not go t	o the b	eattery.
itting times, etc. N	Notes	oints etc a	are given. Use prob	e to identif	y correct wire in locati		do not go t	o the b	attery.
Wire positions These	and connection ponotes relate fitting	oints etc a	are given. Use prob elay. For TF2302 Sı	e to identif nartCAN, s	y correct wire in locati ee SmartCAN Data	ion.			
Wire positions These	and connection protes relate fitting	oints etc a	are given. Use prob elay. For TF2302 Si Alternative	e to identif nartCAN, s	y correct wire in locati	ion.	1	2	
Wire positions These Lights LH Flasher	and connection ponotes relate fitting Vehicle Wire Connection	oints etc a	are given. Use prob elay. For TF2302 Si Alternative Light green	e to identif nartCAN, s	y correct wire in locati ee SmartCAN Data	ion.	1 4 7	2 5 8	3 6 9
Wire positions These Lights LH Flasher Fog Light	and connection protes relate fitting Vehicle Wire Connection Green/black Red/black	oints etc a	are given. Use probelay. For TF2302 Si Alternative Light green Blue	e to identif nartCAN, s	y correct wire in locati ee SmartCAN Data	ion.	1 4	2 5	
Wire positions These Lights LH Flasher Fog Light RH Flasher	and connection ponotes relate fitting Vehicle Wire Connection Green/black Red/black Green/yellow	oints etc a	Alternative Light green Blue Yellow	e to identif nartCAN, s	y correct wire in locati ee SmartCAN Data	ion.	1 4 7	2 5 8	3 6 9
Wire positions These Lights LH Flasher Fog Light RH Flasher RH Side Light	and connection ponotes relate fitting Vehicle Wire Connection Green/black Red/black Green/yellow Green	oints etc a	Alternative Light green Blue Yellow Grey	e to identif martCAN, s	y correct wire in locati ee SmartCAN Data	ion.	1 4 7	2 5 8	3 6 9
Wire positions These Lights LH Flasher Fog Light RH Flasher	and connection ponotes relate fitting Vehicle Wire Connection Green/black Red/black Green/yellow	oints etc a	Alternative Light green Blue Yellow	e to identif martCAN, s	y correct wire in locati ee SmartCAN Data	ion.	1 4 7	2 5 8	3 6 9 12
Wire positions These Lights LH Flasher Fog Light RH Flasher RH Side Light	and connection ponotes relate fitting Vehicle Wire Connection Green/black Red/black Green/yellow Green	oints etc a	Alternative Light green Blue Yellow Grey	e to identif martCAN, s	y correct wire in locati ee SmartCAN Data	ion.	1 4 7	2 5 8	3 6 9 12

Ryder Towing Equipment Ltd

Quality, Service, Innovation

LH Side Light

Reverse

Vauxhall/Onel Agila All 2000 -

ai Data Officet						Vauxiia	.,, Орс	,, ,,	giiu i	\III <u>~</u>
7-Core Entry Point		Longer 7 C	Core Cable		Bypass Recomme F2302, see Smart0		Other	Rela	y Reco	omend
				None						
Automatic Trailer Flasl	her Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	g
Find Constant Live					Find Ignition-Sw	itched Live				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Location			Route to Battery			Fusebox L	ocation.			
21										
Choose power s	source carefull	ly. On cars v	with power manag	gement (ID	by battery conditi	on in display	/) do not	go to	the b	attery.
Fitting times, etc. Note	es									
Alt.col list below, is for 2	008 model									
Wire positions and These not					y correct wire in le ee SmartCAN Dat			1 4	2	3
Lights	Vehicle Wire C	olours	Alternative)	1	Location		7	8	9
LH Flasher	Green/red		Green/yello	ow		19		•		-
Fog Light	Brown/yellow		Red/blue			21		10	11	12
RH Flasher	Green/yellow		Blue/yellow	,		21				\square
RH Side Light	Red/black		Red/yellow			21		13	14	15
Brake Light (Green/white		Green/white	е		21				

Red/yellow

Red

Red/yellow

21

19

Ryder Towing Equipment Ltd

Quality, Service, Innovation

LH Side Light

Reverse

Brown

Light green

car Data Sheet				Vauxhall/Opel Antara All 200							
7-Core Entry Point		Longer 7 Core	e Cable		Bypass Recommer F2302, see SmartC		Other	Rela	y Reco	omendo	∌d
				TF2218/7	7SMARTLOGIC						
Automatic Trailer F	lasher Monitor	Reversing Ser	nsor		Cut Out Switch, e	tc.	Mfr's	Towi	ng Plu	g	
Find Constant Live					Find Ignition-Swit	tched Live					
Colour:					Colour:						
Location: Fusebox	x B+ contact				Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	on	Ro	ute to Battery			Fusebox Lo	ocation				
						Under bonn	et LH				
Choose power	er source carefull	y. On cars with	power manage	ement (ID	by battery conditio	n in display) do not	go to	the b	attery.	
Fitting times, etc. N	Notes										
Alternative colours a											
					y correct wire in lo ee SmartCAN Data			1	2	3	
Lights	Vehicle Wire C	olours	Alternative		L	ocation		7	8	9	ı
LH Flasher	Yellow					19		-		-	-
Fog Light	Orange		Brown			21		10	11	12	
RH Flasher	Dark green		Yellow			21				\square	
RH Side Light	Grey		Blue			21		13	14	15	
Brake Light	White		Red			21					

21

21

Blue

Yellow

Ryder Towing Equipment Ltd **Quality, Service, Innovation**

Reverse

ar Data Sheet		Vauxhall/Opel As						All 1	998		
7-Core Entry Point		Longer 7 (Core Cable	If T	Bypass Recomme F2302, see Smart0		Other	Rela	y Reco	omend	led
19 Grommet (pre 01	: drill)			None							
Automatic Trailer F	lasher Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	g	
✓							19 Mu	Iltiblo	ck		
Find Constant Live					Find Ignition-Sw	itched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	on		Route to Battery			Fusebox I	Location				
Choose pow	er source carefu	lly. On cars	with power mana	gement (ID	by battery conditi	on in displa	y) do not	go to	the b	attery	
Fitting times, etc.	Notes										
Towing plug behind you require fog cut o						on top is fog	circuit: Pu	ut FC	O relay	in this	ine if
					fy correct wire in I see SmartCAN Dat			1	2	3	
Lights	Vehicle Wire	Colours	Alternative	9		Location	▔▐	7	5	6	
LH Flasher	Black/white						-	,	8	3	
Fog Light	Black/blue							10	11	12	
RH Flasher	Black/green									\sqcup	

RH Side Light Grey/red Black/yellow **Brake Light** LH Side Light Grey/black

Ryder Towing Equipment Ltd

Quality, Service, Innovation

Vauxhall/Onel Astra All 2005 -

7-Core Entry Point		Longer 7	Core Cable	If T	Bypass Recomme F2302, see SmartC		Othe	r Rela	y Reco	omend	ed
Grommet: number pla	ite light			Ryder K	VX001 kit		TF22	18/7S	MARTI	LOGIC	
Automatic Trailer Fla	asher Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	g	
Find Constant Live		1			Find Ignition-Swi	itched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	n		Route to Batter	у		Fusebox L	ocation)			
16, 19			Glove box (grom	nmet behind)		Boot LHS 1	6/19				
Choose powe	r source careful	ly. On cars	with power man	agement (ID	by battery condition	on in display) do no	t go to	the b	attery.	
Fitting times, etc. No	otes										
Best option is our pluo NOTE that some base Details below are for f	e models do not h	ave socket									
Wiring: Brake & side I work corrrectly.	ights share one w	vire. Connec	ct red wire only fro	m relay to ru	n both circuits. Do no	ot connect thi	in browr	n or bl	ack. All	lamps	will
Trailer Stability Progra	amme: To activate	e, fit Kit KV	(001								
					fy correct wire in Ic see SmartCAN Data			1	2	3	
Lights	Vehicle Wire C	olours	Alternativ	ve	L	_ocation		7	5	6	
LH Flasher	Black/white						-	Ľ.	8	3	
Fog Light	Blue/black							10	11	12	
RH Flasher	Green/black									$\vdash \vdash$	
RH Side Light	Black/vellow		Do not co	nnect							

Lights	Vehicle Wire Colours	Alternative	Location
LH Flasher	Black/white		
Fog Light	Blue/black		
RH Flasher	Green/black		
RH Side Light	Black/yellow	Do not connect	
Brake Light	Black/yellow		
LH Side Light	Black/yellow	Do not connect	
Reverse	White/black		

	1	2	3	
ı	4	5	6	
	7	8	9	
	10	11	12	
	13	14	15	
	16	17	18	
	19	20	21	Γ
		•		

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Quality, Service, Innovation

LH Side Light

Reverse

Purple/grey

Grey/green

19

19

ar Data Sneet			vauxnaii	opei A	stra H	atc	npa	CK 20		
7-Core Entry Point		Longer 7 (Core Cable	If T	Bypass Recommen F2302, see SmartC		Other	Rela	/ Reco	mende
19 Grommet				TF2302	SmartCAN		TF221	8/7SI	MARTI	OGIC
Automatic Trailer FI	asher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's 7	Γowir	ng Plu	g
Find Constant Live					Find Ignition-Swit	ched Live				
Colour:					Colour:					
Location: Fusebox	k, rear				Location:					
Add Fuse:					Add Fuse:					
Best Wiring Locatio	n		Route to Battery	y		Fusebox L	ocation.			
18, 21						Boot LHS 1	16/19			
Choose power	er source careful	lly. On cars	with power mana	agement (ID	by battery condition	n in display	/) do not	go to	the b	attery.
Fitting times, etc. N	lotes									
Brake lights and side		te								
					fy correct wire in lo		ı.	1	2	3
Lights	Vehicle Wire (Colours	Alternativ	re	Lo	ocation		7	5	9
LH Flasher	Blue/white					19	-	-		,
Fog Light	Yellow/grey				1	9 pillar		10	11	12
RH Flasher	Blue/purple					21	-	\rightarrow		
RH Side Light	Purple/grey					19		13	14	15
Brake Light	Green/white					19				

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7-Core Entry Point

Vauxhall/Opel Astra Van 2000 -

Other Relay Recomended

Bypass Recommended

If TF2302, see SmartCAN data

Dr	ill 19					None							
Au	ıtomatic Trailer Flash	er Monitor	Reversing	Sensor			Cut Out Switch, e	etc.	Mfr's	S Towi	ing Plu	g	
	✓												
Fir	nd Constant Live						Find Ignition-Swi	tched Live					
	Colour:						Colour:						
ı	Location:						Location:						
Α	Add Fuse:						Add Fuse:						
Ве	est Wiring Location			Route to	Battery			Fusebox Lo	ocation	1			
	01					(/ID	hh				- 41 1-		
			ly. On cars	with powe	er manage	ement (ID	by battery condition	on in display)	ao no	t go t	o tne b	attery	·
	tting times, etc. Note			ما امائدا اما									
	ashers: may auto moni												
	wing plug behind comp u require fog cut out.							on top is tog ci	ircuit: F	'ut FC	.O relay	' in thi	s line i
	Wire positions and						y correct wire in lo ee SmartCAN Data			1	2	3	L
						idi torit, s			_	4	5	6	1
	9	ehicle Wire C	colours	Alt	ternative		L	ocation	_	7	8	9	1
	LH Flasher B	lack/white								\vdash		\vdash	Г
	Fog Light B	lack/blue								10	11	12	
	RH Flasher B	lack/green								\vdash		-	-
	RH Side Light G	Grey/red								13	14	15	
	Brake Light B	lack/yellow								1			
	LH Side Light G	Grey/black								16	17	18	ı
	Reverse												

Longer 7 Core Cable

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Quality, Service, Innovation

Vauxhall/Opel Astramax Van Sept 1985 -1993

7-Core Entry Point		Longer 7 (Core Cable	If T	Bypass Recomme F2302, see Smart(Other	Rela	y Reco	mende
				None						
Automatic Trailer FI	asher Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	na Plu	a
					,					9
Find Constant Live					Find Ignition-Sw	itched Live				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Locatio	n		Route to Battery	1		Fusebox L	_ocation			
Choose power	er source careful	ly. On cars	with power mana	gement (ID	by battery conditi	on in display	y) do not	go to	the b	attery.
Fitting times, etc. N	lotes									
Wire positions	and connection r	oints etc a	re given. Use nro	he to identi	fy correct wire in l	ocation	_			
					see SmartCAN Dat			1	2	3
Lights	Vehicle Wire C	colours	Alternative	e		ocation	┑┇	4	5	6
LH Flasher				-			- ■	7	8	9
En a Links								10	11	12
Fog Light										
Fog Light RH Flasher										\square
								13	14	45
RH Flasher								13	14	15
RH Flasher RH Side Light								13	14	15

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Quality, Service, Innovation

Vauxhall/Opel Combo Van Nov 2001 -

Core Entry Point		Longer 7 Core Cable		Bypass Recommended If TF2302, see SmartCAN data			Other Relay Recomended				
		2m		None							
Automatic Trailer Flasher Monitor Reversing			Sensor		Cut Out Switch, e	te	Mfr's	Towi	ng Plu	n	
	idanici Monitor	Reversing	<u> </u>		out out owners, e		IVIII 3	1000	iig i iu	9	
Find Constant Live Find Ignition-Switched Live											
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	on		Route to Battery			Fusebox Lo	ocation	<u> </u>			
Chance now	a. aaaa aa.afl	h. On sore	with newes money	omant (ID	hu hattami aanditia	n in diamles	do no	4 4	. 4ha h	-44 o m. r	
Fitting times, etc. N		iy. On cars	with power manag	ement (ID	by battery condition	n in display	do no	t go to	the b	attery	
Fitting times, etc. r	votes										
Wire positions	and connection :	acinto ete e	ro givon Hoo nrob	a ta idantif	y correct wire in lo	aation					
	notes relate fittin							1	2	3	
Lights	Vehicle Wire Colours		lay. 1 01 11 2302 31	nartoan, s	ee SmartCAN Data	l		$\overline{}$			
LIGIIIS	Vehicle Wire C		Alternative	nartcan, s		ocation	- I	4	5	6	
LH Flasher	Vehicle Wire C			nartcan, s				7	5 8	9	
LH Flasher				nartoan, s						9	
	Black/white Black/blue			narican, s				7	8	9 12	
LH Flasher Fog Light	Black/white			narican, s				10	11		
LH Flasher Fog Light RH Flasher	Black/white Black/blue Black/green			nartoan, s				7	8	12	
LH Flasher Fog Light RH Flasher RH Side Light	Black/white Black/blue Black/green Grey/red			martoan, s				10	11		

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LH Side Light

Reverse

Grey/black

White/black

Vauxhall/Opel Corsa All 2000 -

					Vauxiiaii	<u> </u>			
7-Core Entry Point	er 7 Core Cable	Bypass Recommended If TF2302, see SmartCAN data		Other Relay Recomended					
			None	;					
Automatic Trailer Flasher Monitor Reversing S		sing Sensor	Sensor Cut Out Switch, etc.		etc.	Mfr's Towing Plug			
Find Constant Live				Find Ignition-Sw	ritched Live				
Colour:				Colour:					
Location:				Location:					
Add Fuse: Slot 33?				Add Fuse:					
Best Wiring Location Route to Battery			ry		Fusebox I	Fusebox Location			
19									
Choose power so	ource carefully. On o	cars with power man	agement	(ID by battery conditi	on in displa	y) do not	go to	the b	attery.
Fitting times, etc. Note	s								
Wiring: Bring opposite fla	sher and tail light lea	ds across to connection	on point						
Wire positions and	connection points	etc are given. Use pr	obe to ide	entify correct wire in I	ocation.	_			
				N, see SmartCAN Dat			1	2	3
Lights V	ehicle Wire Colours	Alternati	ve		Location	┑┠	4	5	6
-	lack/white					┈┖	7	8	9
	lack/blue				19		10	11	12
	lack/green								
	Grey/red						13	14	15
	lack/yellow							14	

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Vauxhall/Opel Corsa All 2007 -

7-Core Entry Point	Longer 7 Core Cable	Bypass Recommended If TF2302, see SmartCAN data			Other Relay Recomended
21 Grommet rear floor		TF2218/7	7SMARTLOGIC		TF2218/7SMARTLOGIC
Automatic Trailer Flasher Monitor	Reversing Sensor		Cut Out Switch, e	tc.	Mfr's Towing Plug
Find Constant Live			Find Ignition-Swit	tched Live	
Colour:			Colour: Black	ĸ	
Location: Fusebox			Location: 21		
Add Fuse:			Add Fuse:		
Best Wiring Location	Route to Batter	ry		Fusebox L	_ocation
21	Down LHS			19	

Choose power source carefully. On cars with power management (ID by battery condition in display) do not go to the battery.

Fitting times, etc. Notes

Fault warning: Do not switch ignition on unless light clusters are connected.

Second fusebox behind glove box.

Wiring. Take the brake light signal from the high-level brakelight and the side light signal from the number plate light (TF2218/7LOGIC or TF2218)

Wire positions and connection points etc are given. Use probe to identify correct wire in location.

These notes relate fitting bypass relay. For TF2302 SmartCAN, see SmartCAN Data

Lights	Vehicle Wire Colours	Alternative	Location
LH Flasher	Blue/white		19
Fog Light	Blue/grey		21
RH Flasher	Blue/purple		21
RH Side Light	Green/grey	Number plate light	19 loom below lamp
Brake Light	Brown/yellow	To high level brake light	19 loom above lamp
LH Side Light	Grey/purple	Number plate light	19 loom below lamp
Reverse	Blue/purple		19

	1	2	3	
	4	5	6	
	7	8	9	
	10	11	12	
	13	14	15	
	16	17	18	ı
_	19	20	21	Γ
		•		

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Quality, Service, Innovation

Reverse

Vauxhall/Opel Frontera 4WD 2001 -

'-Core Entry Point		Longer 7 C	ore Cable		Bypass Recommer F2302, see SmartC		Other	Rela	y Reco	omende	
				None							
Automatic Trailer Fl	asher Monitor	Reversing	Sensor	ensor Cut (Cut Out Switch, etc.		Mfr's Towing Plug			
							See n	ote be	elow		
Find Constant Live					Find Ignition-Swi	tched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Locatio	n		Route to Battery	1		Fusebox L	ocation				
Choose power	er source careful	ly. On cars w	ith power mana	gement (ID	by battery conditio	n in display	/) do not	go to	the b	attery.	
Fitting times, etc. N	lotes										
Towing plug: SWB: V	Viring plug on righ	t behind pane	l. LWB: Wiring pl	ug on left be	hind panel. 2003: b	ooth in Jack	comp				
lasher monitor: dasl	h lamp w orks auto	omatically if y	ou use a Midwife	(TF2001) or	a Clone (TF2100) w	ith the fourt	h pin inse	erted			
					y correct wire in lo		1				
These r	notes relate fitting	g bypass rela	ay. For TF2302 S	SmartCAN, s	ee SmartCAN Data	1		1	2	3	
Lights	Vehicle Wire C	colours	Alternative	e	L	ocation		4	5	6	
LH Flasher	Green/black		Green/orar	nge			-	7	8	9	
Fog Light	Red/green		Green/blac	ck				10	11	12	
RH Flasher	Green/white		Pink							\square	
RH Side Light	Green/blue		Green/red					13	14	15	
Brake Light	Red		Green/yello	ow							
LH Side Light	Green/red		Orange					16	17	48	

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Red/yellow

Vauxhall/Opel Insignia Sedan/Hatchback 2009 -

7-Core Entry Point		Longer 7	Core Cable	If 7	Bypass Recomme F2302, see Smart0		Othe	r Rela	y Reco	meno	Jec
18 Wheel arch		2m		TF2218	/7SMARTLOGIC						
Automatic Trailer Fl	asher Monitor	Reversin	g Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	g	
Find Constant Live					Find Ignition-Sw	itched Live					_
Colour:					Colour:						
Location: Fusebox	<				Location:						
Add Fuse:					Add Fuse:						
Best Wiring Locatio	on .		Route to Batter	·v		Fusebox Lo	cation	1			
			Battery: (gasket	•		Dash, L/H (10)				
Choose power	er source careful	ly. On cars	with power man	agement (ID	by battery condition	on in display)	do no	t go t	o the b	attery	' -
Fitting times, etc. N	lotes										
		-									
					fy correct wire in le			4	2	3	1
					fy correct wire in lo see SmartCAN Dat			1	2	3	L
		g bypass r		SmartCAN,	see SmartCAN Dat			4	5	3	
These	notes relate fittin	g bypass r	elay. For TF2302	SmartCAN,	see SmartCAN Dat	a				3 6 9	
These I	Vehicle Wire C	g bypass r	elay. For TF2302	SmartCAN,	see SmartCAN Dat	a		4	5	3 6 9	
These I	Vehicle Wire C	g bypass r	elay. For TF2302	SmartCAN,	see SmartCAN Dat	a		7	5	6	
Lights LH Flasher Fog Light	Vehicle Wire C Blue/white Brown/blue	g bypass r	elay. For TF2302	SmartCAN,	see SmartCAN Dat	a		7	5	6	
Lights LH Flasher Fog Light RH Flasher	Vehicle Wire C Blue/white Brown/blue Blue	g bypass r	elay. For TF2302	SmartCAN,	see SmartCAN Dat	a		7 10	5 8 11	9	
Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire C Blue/white Brown/blue Blue Red/grey	g bypass r	elay. For TF2302	SmartCAN,	see SmartCAN Dat	a		7 10	5 8 11	9	

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Vauxhall/Opel Insignia Sports/Tourer 2009 -

7-Core Entry Point	Longer 7 Core Cable		Bypass Recomm F2302, see Smart	Other Relay Recomended	
19 (21 in Estate) Grommet in floor	2m	TF2218/	TF2218/7SMARTLOGIC		TF120AVX or TF1313VX plug- in: but see note!
Automatic Trailer Flasher Monitor	Reversing Sensor		Cut Out Switch	, etc.	Mfr's Towing Plug
Find Constant Live			Find Ignition-Sv	vitched Live	
Colour:			Colour:		
Location: Fusebox			Location:		
Add Fuse:			Add Fuse:		
Best Wiring Location	Route to Batte	ery		Fusebox	Location
19/21 in pillars	Battery: (gaske	t behind)		Dash, L/H	(10)

Choose power source carefully. On cars with power management (ID by battery condition in display) do not go to the battery.

Fitting times, etc. Notes

Tailgate lights go out when hatchback is opened and lights on the pillars take over.

Wire to both sets using a diode bridge, TF2601.

VX: Fittting TF120AVX/TF1313VX

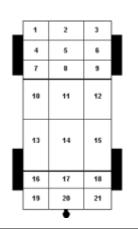
Towing type module already fitted.

Modules marked "AD" or "AH"are OK. Use TF120AVX or TF1313VX and dealer recode

Module marked "AE" has to be replaced with "AH" or use Ryder TF2301GM

Wire positions and connection points etc are given. Use probe to identify correct wire in location. These notes relate fitting bypass relay. For TF2302 SmartCAN, see SmartCAN Data

Lights	Vehicle Wire Colours	Alternative	Location
LH Flasher	Blue/white		19
Fog Light	Yellow/grey		21
RH Flasher	Blue/red		21 mid height
RH Side Light			
Brake Light	Yellow		19
LH Side Light	Purple/silver		19
Reverse	Green/white		19



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LH Side Light

Reverse

Green/black

White/black

Vauxhall/Opel Meriva All 2003 -

ai Data Sileet				•	auxiiaii/	Орсі	WICI	ıva <i>i</i>	\II	UU	
7-Core Entry Point		Longer 7 C	ore Cable		Bypass Recomme F2302, see Smart0		Other	Rela	y Reco	omeno	led
Dimple on back panel				None							
Automatic Trailer Flash	er Monitor	Reversing	g Sensor		Cut Out Switch, etc.		Mfr's Towing Plug				
Find Constant Live					Find Ignition-Sw	itched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location			Route to Battery			Fusebox L	_ocation				
21											
Choose power se	ource carefully	y. On cars w	vith power manag	ement (ID	by battery condition	on in displa	y) do not	go to	the b	attery	
Fitting times, etc. Note	s										
Wiring: Bring opposite fla	asher and tail lig	ght leads acr	oss to connection	point							
Wire positions and These note					y correct wire in losee SmartCAN Data			1 4	2	3	
Lights V	ehicle Wire Co	olours	Alternative		L	ocation		7	8	9	ı
LH Flasher B	Black/white					19	•	-		,	Ī
Fog Light B	Blue/black							10	11	12	
RH Flasher	Green/black							_			
RH Side Light	Grey/red							13	14	15	
Brake Light Y	'ellow/black										

19

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Vauxhall/Opel Monterey 4WD 2000 -

7-Core Entry Point		Longer 7 (Core Cable		Bypass Recommer F2302, see SmartC		Othe	r Rela	y Reco	omeno	led
				None			TF21	00T			
Automatic Trailer Fla	shor Monitor	Reversing	Sonsor		Cut Out Switch, e	atc.	Mfr's	Towi	ng Plu	~	
	ISTICE MOTITO	Reversing	Jenson		Cut Out Switch, e				r cross		er
Find Constant Live					Find Ignition-Swi	tched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	1		Route to Battery	/		Fusebox L	ocation	1			
Choose power	r source careful	ly. On cars	with power mana	agement (ID	by battery conditio	n in display) do no	t go to	the b	attery	
Fitting times, etc. No	otes										
Wire positions an	nd connection potes relate fitting	ooints etc a g bypass re	re given. Use pro lay. For TF2302 \$	be to identii SmartCAN, s	ry correct wire in lo see SmartCAN Data	cation.		1 4	2	3	
Lights	Vehicle Wire C	olours	Alternativ	e	L	ocation		7	8	9	
LH Flasher							_	-	_	-	_
Fog Light								10	11	12	
RH Flasher								\vdash			
RH Side Light								13	14	15	
Brake Light											
LH Side Light								16	17	18	
Reverse							•	19	20	21	_

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LH Side Light

Reverse

Blue

Purple

Vauxhall/Opel Movano All 1998 -2006

ai Data Sileet				Vauxiiaii/Opei Movaiio Aii 193						<i>-</i>	20
7-Core Entry Point		Longer 7 Co	re Cable	If 7	Bypass Recommo F2302, see Smart		Other	Rela	y Reco	omend	led
		2m		None			TF210	OT/TI	-2005 ⁻	T/TF11	15FL
Automatic Trailer Flashe	er Monitor	Reversing S	ensor		Cut Out Switch,	etc.	Mfr's Towing Plug				
							See no	ote be	elow		
Find Constant Live					Find Ignition-Sw	itched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location		R	oute to Battery	1		Fusebox I	_ocation				
19											
Choose power so	ource carefully	y. On cars wi	th power mana	igement (ID	by battery conditi	on in displa	y) do not	go to	the b	attery	
Fitting times, etc. Notes	5										
Towing plug each side in	tail door pillar	behind botton	n large plastic g	rommet.							
Wire positions and These note					fy correct wire in I see SmartCAN Da		•	1	2	3	
Lights Ve	ehicle Wire Co	olours	Alternativ	е		Location		7	5	9	•
LH Flasher G	reen		2006 Gree	n/red				-		,	
Fog Light Br	rown		2006 Red/	orange		21		10	11	12	
RH Flasher Pt	urple		White/red					_			
RH Side Light BI	lue		Blue/red					13	14	15	
Brake Light W	/hite		Grey			21					

Blue/red

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Quality, Service, Innovation

Vauxhall/Opel Omega All 2000 -

-Core Entry Point		Longer 7	Core Cable		Bypass Recomme F2302, see Smart0		Other	Rela	y Reco	omende
				None						
utomatic Trailer Fla	asher Monitor	Reversin	g Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	g
ind Constant Live					Find Ignition-Sw	itched Live				
Colour:					Colour:					
Location: Boot: mu	ultiblock				Location:					
Add Fuse: Slot 16					Add Fuse:					
Sest Wiring Location	n		Route to Battery			Fusebox L	ocation			
Choose power	er source careru	ily. On cars	with power manag	genient (ib	by battery contains	on in dispia	•	•		
Fitting times, etc. N ault condition: If the nder the near side b	otes ere are problems	with TF1170) (smart combi) beca	ause of air c					switche	d feed
Fitting times, etc. N ault condition: If the nder the near side b Wire positions a	otes ere are problems ack seat to run T	with TF1170 F116 (ignition) (smart combi) beca	ause of air c	onditioning there is	a power feed		ition s	switche 2	d feed
Fitting times, etc. N ault condition: If the nder the near side b	otes ere are problems ack seat to run T	with TF1170 F116 (ignition points etc and bypass r	o (smart combi) beca on-switched) combi.	ause of air c	onditioning there is	a power feed		ition	2	
Fitting times, etc. N ault condition: If the nder the near side b Wire positions a These n	otes ere are problems ack seat to run T and connection notes relate fittin	with TF1170 F116 (ignition points etc and bypass r	o (smart combi) becanneswitched) combi.	ause of air c	onditioning there is	a power feed		ition s	2	
wire positions a These n	otes are are problems ack seat to run T and connection notes relate fittin Vehicle Wire (with TF1170 F116 (ignition points etc and bypass r	o (smart combi) becanneswitched) combi.	ause of air c	onditioning there is	a power feed		ition s	2	
Wire positions a These n	otes are are problems ack seat to run T and connection notes relate fittin Vehicle Wire (Black/white	with TF1170 F116 (ignition points etc and bypass r	o (smart combi) becanneswitched) combi.	ause of air c	onditioning there is	a power feed		ition s	2 5 8	3 6 9
Wire positions a These n Lights LH Flasher Fog Light	otes Pre are problems ack seat to run T And connection notes relate fittin Vehicle Wire (Black/white Black/blue	with TF1170 F116 (ignition points etc and bypass r	o (smart combi) becanneswitched) combi.	ause of air c	onditioning there is	a power feed		ition s	2 5 8	3 6 9
Wire positions a These n Lights LH Flasher Fog Light RH Flasher	and connection notes relate fittin Vehicle Wire (Black/white Black/blue Black/green	with TF1170 F116 (ignition points etc and bypass r	o (smart combi) becanneswitched) combi.	ause of air c	onditioning there is	a power feed		1 4 7	2 5 8 11	3 6 9

Ryder Towing Equipment Ltd

Quality, Service, Innovation

Vauxhall/Opel Sintra MPV 1997 -

7-Core Entry Point		Longer 7 C	ore Cable		Bypass Recomme F2302, see SmartC		Other	Rela	y Reco	omende	•d
				None							
Automatic Trailer F	lasher Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	a	
									ar (exp		
Find Constant Live		1			Find Ignition-Sw	tched Live					
Colour:					Colour:						
Location: Battery					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	on		Route to Battery			Fusebox Lo					
19			Grommet LH bulk	nead		Dash, R/H (12)				
<u>-</u>		ly. On cars v	vith power mana	gement (ID	by battery condition	on in display)	do not	go to	o the b	attery.	
Fitting times, etc. N											
7-core access via lar remove (1 b	ge grommet with earlier of the contract of the	existing loom	If a shock-absorb	er pressure	pump is fitted, it co	vers this grom	met bu	t it is	easy to)	
Wire positions	and connection r	ooints etc ar	e given. Use prok	e to identif	y correct wire in lo	ocation.					
					ee SmartCAN Data			1	2	3	
Lights	Vehicle Wire C	olours	Alternative)	L	ocation	┐▮	4	5	6	
LH Flasher	Light blue						■	7	8	9	•
Fog Light	Red		1 of 2					10	11	12	
RH Flasher	Dark blue									\square	
RH Side Light	Black		White					13	14	15	
Brake Light	White										ı
LH Side Light	Black		Blue					16	17	18	
Reverse								19	20	24	•

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Quality, Service, Innovation

7-Core Entry Point

Reverse

White/black

Vauxhall/Opel Vectra All 1999 -2001

Other Relay Recomended

Bypass Recommended

If TF2302, see SmartCAN data

			1						11				
19	Grommet					See note	below						
Αu	Itomatic Trailer Fla	sher Monitor	Reversing	Sensor			Cut Out Switch, e	etc.	Mfr's	Towi	ing Plu	ıq	
	✓			,			,					<u>-</u>	
Fii	nd Constant Live						Find Ignition-Swi	tched Live					
	Colour:						Colour:						
ı	Location:						Location:						
Α	add Fuse: Slot 16						Add Fuse:						
Re	est Wiring Location	1		Route to B	attory			Fusebox Lo	cation				
De	est willing Location			Noute to B	attery			I USEDOX LO	Cation				
	Choose power	source careful	ly. On cars	with power	manage	ement (ID	by battery condition	on in display)	do no	t go t	o the b	attery	· .
Fi	tting times, etc. No	otes											
Fla	ashers: may auto mo	onitor. Check for	audible tone	e, digital text	check or	n dash, alt	ered flash rate if tes	t board remov	ed wh	en flas	shing, e	etc	
	pass: On some cars ay on the brake circ		rse share a f	fuse. When a	a caravai	n with reve	ersing lamps reverse	es and brakes	, the fu	se wil	I blow.	Fit a b	ypass
							y correct wire in lo ee SmartCAN Data			1	2	3	
	Lights	Vehicle Wire C	Colours	Alte	rnative		L	ocation		7	5	6	ı
	LH Flasher	Black/white							•	<u> </u>		<u> </u>	•
	Fog Light	Black/blue								10	11	12	
	RH Flasher	Black/green								\vdash		├	
	RH Side Light	Grey/red								13	14	15	
	Brake Light	Black/yellow											
	I H Sido Light	Groy/black								-		\leftarrow	

Longer 7 Core Cable

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LH Side Light

Reverse

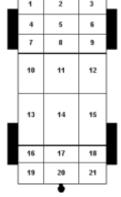
Grey/black

White/black

Vauxhall/Onel Vectra and Signum All 2002

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7-Core Entry Point		Longer 7 (Core Cable		Bypass Recomme F2302, see SmartC		Othe	r Rela	y Reco	omeno	bek
				TF2218/	7SMARTLOGIC		TF22	18/7S	MARTI	LOGIC	;
Automatic Trailer F	lasher Monitor	Reversing	Sensor		Cut Out Switch, e	etc.	Mfr's	Towi	ng Plu	g	
Find Constant Live	ı	1			Find Ignition-Swi	tched Live					
Colour:					Colour:						-
Location: 16 mult	iblock				Location:						
Add Fuse: Slot 13					Add Fuse:						
Best Wiring Location	on		Route to Batter	v		Fusebox L	ocation				
				,		16					
Choose pow	ver source careful	ly. On cars	with power man	agement (ID	by battery condition	on in display) do no	t go to	o the b	attery	' <u>.</u>
Fitting times, etc.											
Brakes alternative: \(\) high level brakelight Connect side light si	•	•	nite (blue) insert i	in block in fuse	ebox @ 16. One of t	four or 5 blac	k wires.	Test	for corr	rect wi	re to
Fault condition: If yo	u find a delay on th	e trailer bra	ke lights, go to th	e battery for p	ower						
WARNING:Under N system.	O circumstances u	se any of the	e red feed wires to	o th controller	in the rear of the ca	r.They are le	ad wire	s to th	e comp	outer o	ontrol
					y correct wire in lo see SmartCAN Data			1	2	3	
Lights	Vehicle Wire C	olours	Alternativ	ve	L	ocation		4	5	6	
LH Flasher	Black/white						_			,	-
Fog Light	Black/blue							10	11	12	
RH Flasher	Black/green										
RH Side Light	Grey/red							13	14	15	

Lights	Vehicle Wire Colours	Alternative	Location
LH Flasher	Black/white		
Fog Light	Black/blue		
RH Flasher	Black/green		
RH Side Light	Grey/red		
Brake Light	Black/yellow	See Note above	



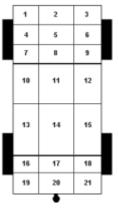
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Vauxhall/Opel Vectra Estate 2003 -

7-0	Core Entry Point	Longer	7 Core Cable			ommended SmartCAN data	Other	Rela	y Reco	omeno	ded
19	Grommet			TF2218/	7SMARTLO	GIC	TF22	18/7S	MARTI	OGIC	<u> </u>
Au	tomatic Trailer Flasher	Monitor Reversi	ng Sensor		Cut Out S	witch, etc.	Mfr's	Towi	ing Plu	g	
Fir	nd Constant Live	,			Find Igniti	on-Switched Live	"				
	Colour:				Colou	ır:					
L	ocation:				Locatio	n:					
Α	dd Fuse:				Add Fus	e:					
Ве	st Wiring Location		Route to Bat	ttery		Fusebox L	ocation				
16,	19										
	Choose power sour	ce carefully. On ca	rs with power m	nanagement (ID	by battery c	ondition in display	/) do not	go t	o the b	attery	<i>/</i> .
Fit	ting times, etc. Notes										
Wh	ite multiplug for Fog & re	v (Top left & right sl	ots) found in gre	ey area of fuse bo	OX,						
	ring: Brake & side lights sitch both side and brake o		Connect ONLY	the brake signal	wire from the	: TF2218/7 SmartLo	gic bypa	ss to	this wi	re. Re	elay will
	ARNING:Under NO circur stem.	nstances use any of	the red feed wire	es to th controller	in the rear o	of the car.They are le	ead wires	to th	ie comp	outer o	control
hig	akes alternative: Wire to h h level brakelight nnect side light signal wir		white (blue) inse	ert in block in fus	ebox @ 16. (One of four or 5 blac	ck wires.	Test	for corr	ect wi	ire to
	Wire positions and co These notes r	nnection points etc						1	2	3	
	Lights Vehi	icle Wire Colours	Altern	ative		Location	▔▐	4	5	6	ı
	LH Flasher Blac	k/white					-	7	8	9	•
									4	1	

Lights	Vehicle Wire Colours	Alternative	Location
LH Flasher	Black/white		
Fog Light	Black		See note
RH Flasher	Green/black		
RH Side Light	Black/yellow	Loom: grey/red	
Brake Light	Black/yellow	Multiblock: black/grey	
LH Side Light	Black/yellow	Loom: grey/black	
Reverse	Black		See note



Ryder Towing Equipment Ltd

Quality, Service, Innovation

7-Core Entry Point		Longer 7 Co	ore Cable		Bypass Recommer F2302, see SmartC		Othe	r Rela	y Reco	men	Jec
19 Fog-light gromme	t			None							
Automatic Trailer F	lasher Monitor	Reversing S	Sensor		Cut Out Switch, e	etc.	Mfr's	Towi	ng Plu	g	
✓										<u>-</u>	
Find Constant Live					Find Ignition-Swi	tched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	on	F	Route to Battery			Fusebox L	ocation	ı			_
19 cover, top of pilla											
		y. On cars wi	ith power manag	gement (ID	by battery conditio	n in display	/) do no	t go t	o the b	attery	'.
Fitting times, etc. N	Notes										
											_
	and connection p				y correct wire in lo		_	1	2	3	L
	`	, ,,			ee Silialican Dala	l					
Liahts	Vehicle Wire C	olours						4	5	6	
Lights LH Flasher	Vehicle Wire C	olours	Alternative			ocation		7	5 8	9	
LH Flasher	Vehicle Wire C Orange Violet	olours	Alternative							9 12	
	Orange	olours	Alternative Pink					7	8	9 12	
LH Flasher Fog Light	Orange Violet	olours	Alternative Pink					10	11		
LH Flasher Fog Light RH Flasher	Orange Violet Cream	olours	Alternative Pink 1 of 4					7	8	12	
LH Flasher Fog Light RH Flasher RH Side Light	Orange Violet Cream Blue	olours	Alternative Pink 1 of 4 1 of 2					10	11		

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Quality, Service, Innovation

Vauxhall/Opel Zafira MPV 1999 -

7-Core Entry Point		Longer 7	Core Cable		Bypass Recommer F2302, see SmartC		Other	r Rela	y Reco	omended
19 Grommet				Brake cir	cuit		Fog (Only I	nas low	fuse)
Automatic Trailer F	lasher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's	Towi	ng Plu	
✓							21			
Find Constant Live					Find Ignition-Swi	tched Live				
Colour:					Colour:					
Location: Trailer	alua				Location:					
Add Fuse: Slot 16	· ·				Add Fuse:					
Best Wiring Location	on		Route to Batte	ry		Fusebox L	_ocation			
			Grommet RH bi	ulkhead						
Choose pow	er source carefu	lly. On cars	with power mar	nagement (ID	by battery condition	n in display	y) do no	t go t	o the b	attery.
Fitting times, etc.	Notes									
Wire positions	and connection	nainta ata a	ro givon Hoo na	raha ta idantif	v aannaat voina in la					
					y correct wire in lo see SmartCAN Data		_	1	2	3
Lights	Vehicle Wire	Coloure	Alternati	ivo		ocation		4	5	6
LH Flasher	Black/white	Colours	Aiternati	ive	-	Ocation		7	8	9
Fog Light	Black/blue		Bypass					10	11	12
RH Flasher	Green/black		Буразз					"		
RH Side Light	Red/grey		Punasa					13	14	15
Brake Light	Black/yellow		Bypass							
LH Side Light	Grey/black							16	17	18
Reverse	White/black							19	20	21

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White/black

Reverse

7-Core Entry Point		Longer 7 C	Core Cable		Bypass Recomme F2302, see SmartC		Other	Rela	y Reco	omende
19 Grommet				TF2218/7	'SMARTLOGIC					
Automatic Trailer Flas	sher Monitor	Reversing	Sensor		Cut Out Switch, 6	etc.	Mfr's	Towi	ng Plu	g
Find Constant Live		I			Find Ignition-Swi	tched Live				
Colour:					Colour:					
Location: Fusebox,	rear				Location:					
Add Fuse:					Add Fuse:					
Best Wiring Location			Route to Battery			Fusebox L	ocation			
						Boot LHS 1				
Choose power	source carefull	y. On cars v	with power manage	ement (ID I	by battery condition	n in display) do not	go to	the b	attery.
Fitting times, etc. No	tes									
Viring: Brake & side lig	hts share one w	ire. Connect	red wire only from	relay to run	both circuits. Do no	ot connect thi	n brown	or bla	ack. Al	lamps
Brakes alternative: Wir						at 16.				
Johneet side light sign.	ai wiies to numb	er plate light	leau, grey/green, s	ame come	ector.					
Wire positions on	d connection m	ainto ata av	a airen Haa naaba	to identify	v aarraat wira in la	aatian				
			e given. Use probe lay. For TF2302 Sm					1	2	3
These no	tes relate fitting	g bypass re	lay. For TF2302 Sm		ee SmartCAN Data	1	_ [4	5	3
These no		g bypass re			ee SmartCAN Data			-		3 6 9
These no	vehicle Wire C	g bypass re	lay. For TF2302 Sm		ee SmartCAN Data	1		4	5	6
These no	Vehicle Wire C	g bypass re	lay. For TF2302 Sm		ee SmartCAN Data	1		4	5	6
Lights LH Flasher Fog Light	vehicle Wire C Blue/white Blue/black	g bypass re	lay. For TF2302 Sm	nartCAN, s	ee SmartCAN Data	1		4 7 10	5 8 11	6 9
Lights LH Flasher Fog Light RH Flasher	Vehicle Wire C Blue/white Blue/black Green/black	g bypass re	Alternative	ove	L 16	ocation		4	5	6

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Volkswagen Beetle All 2001 -

7-Core Entry Point		Longer 7	Core Cable	If	Bypass Recommo TF2302, see Smart		Othe	r Rela	y Reco	meno	ed
19 Grommet				None							
Automatic Trailer Fl	asher Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	g	
Find Constant Live		-1			Find Ignition-Sw	ritched Live	"				
Colour:					Colour:						
Location: 13 behir	nd seat				Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	n		Route to Batter	'V		Fusebox I	ocation	ı			
9/20 behind plastic				,							
Choose power	er source careful	lly. On cars	with power man	agement (I	D by battery conditi	on in displa	y) do no	t go to	the b	attery	
Fitting times, etc. N	lotes										
					tify correct wire in I				_	3	
These i	notes relate fittin	g bypass re	elay. For TF2302	SmartCAN	see SmartCAN Dat	la		1	2	,	_
Lights	Vahiala Wina				, see omanoan ba				_		
	venicie wire c	Colours	Alternati	ve		Location		4	5	6	
LH Flasher	Black/white	Colours	Alternati	ve				7	5 8	9	
LH Flasher Fog Light		Colours	Alternati	ve						9	
	Black/white	Colours	Alternati	ve				7	8	9	
Fog Light	Black/white Grey/white	Colours	Alternati	ve				7	8	12	
Fog Light RH Flasher	Black/white Grey/white Black/green	Colours	Alternati	ve				10	11		
Fog Light RH Flasher RH Side Light	Black/white Grey/white Black/green Grey/red	Colours	Alternati	ve				10	11		

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Volkswagen Bora Saloon Late 2000 -

7-Core Entry Point		Longer 7	Core Cable	If		ypass Recommer 2302, see SmartC		Othe	r Rela	y Reco	omended	t
				None								
Automatic Trailer F	lasher Monitor	Reversin	ng Sensor		- '	Cut Out Switch, e	tc.	Mfr's	Towi	ng Plu	g	
Find Constant Live						Find Ignition-Swit	ched Live					
Colour:						Colour:						
Location:						Location:						
Add Fuse:						Add Fuse:						
7.00 1 000.												
Best Wiring Location	on		Route to Batte	ery			Fusebox Lo	ocation				
16, 19												
Choose pow	er source careful	ly. On car	s with power ma	nagement (I	D b	y battery conditio	n in display)	do no	t go t	o the b	attery.	
Fitting times, etc.												
Bumper removed wit	th 11 Torx fixings in	ncluding 3	in each wheel are	ch. Remove I	ight	clusters to access	1 fixing each	side				
Wire positions	and connection p	oints etc	are given. Use p	robe to iden	itify	correct wire in lo	cation.					
These	notes relate fittin	g bypass	relay. For TF230	2 SmartCAN	l, se	e SmartCAN Data			1	2	3	
Lights	Vehicle Wire C	colours	Alterna	tive		L	ocation		4	5	6	
LH Flasher	Black/white							_	7	8	9	J
Fog Light	Grey/white						16, 19		10	11	12	
RH Flasher	Black/green											
RH Side Light	Grey/red								13	14	15	
Brake Light	Black/red											
LH Side Light	Grey/black								16	17	18	
Dovorco										-"		

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Volkswagen Caddy Van 1996 -

7-Core Entry Point		Longer 7	Core Cable		Bypass Recomme F2302, see SmartC		Other R	elay R	Reco	mende
19/21 drain plugs				None						
Automatic Trailer F	lasher Monitor	Reversing	Sensor		Cut Out Switch, e	etc.	Mfr's To	wing	Pluc	
			,		,					<u>'</u>
Find Constant Live					Find Ignition-Swi	tched Live				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Location			Route to Battery			Fusebox L				
			nous to zunor,							
Choose now	er source careful	lv. On cars	with power mana	gement (ID	by battery condition	on in display) do not a	to th	ne ba	itterv
Fitting times, etc. N		.y. 0 0a. 0	mar power mana	gomoni (ib	by satisfy contains	u.opiay	, 40 1.01 9			
					y correct wire in lo		1	Τ.	2	_
These	notes relate fittin	g bypass re	elay. For TF2302 S	SmartCAN, s	see SmartCAN Data	1		+	-	
Lights	Vehicle Wire C	oloure					- 4	۱ ۱	5	6
		olouis	Alternative	9	L	ocation				
LH Flasher	Black/white	olouis	Alternative	9	L	ocation	_ 1		8	9
LH Flasher Fog Light	Black/white Grey/white	olouis	Alternative	9	L	ocation	1	+	11	12
		olours	Alternative	•	L	ocation		+		12
Fog Light	Grey/white	olouis	Alternative		L	ocation		1		12
Fog Light RH Flasher	Grey/white Black/green	olouis	Alternative		L	ocation	1	1	11	
Fog Light RH Flasher RH Side Light	Grey/white Black/green Grey/red	olouis	Alternative	9	L	ocation	1	1 1	11	

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Volkswagen Caddy Van 2004 -

7-Core Entry Point		Longer 7	Core Cable	If 7	Bypass Recomme F2302, see SmartC		Othe	r Rela	y Reco	omeno	led
21 Grommet				4-way: A	All but flashers						
Automatic Trailer Flas	sher Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	g	
					,					<u> </u>	
Find Constant Live					Find Ignition-Swi	itched Live					
					Colour:						
Colour:					Location:						
Location: Battery					Add Fuse:						
Add Fuse:					Add Fuse.						
Best Wiring Location			Route to Batte	rv		Fusebox L	.ocation	<u> </u>			
21					convoluted tubing						
		. On cars	with power mar	nagement (ID	by battery condition	on in display	/) do no	t go to	the b	attery	•
Fitting times, etc. Not Wiring: Bring opposite f		ht leads a	cross to connecti	on point							
willing. Bring opposite i	nasrici ana tan ng	int loads a	cross to connecti	on point							
					fy correct wire in lo see SmartCAN Data		_	1	2	3	L
			-					4	5	6	ı
Lights	Vehicle Wire Co	lours	Alternati	ve	L	ocation		7	8	9	
LH Flasher	Black/white										
Fog Light	Grey/white							10	11	12	
	Black/green										
	Grey/red							13	14	15	L
Brake Light	Red/black										
LH Side Light	Grey/black							16	17	18	
Reverse	Black						_	40	20	24	

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Volkswagen Caravelle Vanette 2002 -

-Core Entry Point Longer 7 Core Cable			Core Cable	ŀ	Bypass Recommended If TF2302, see SmartCAN data				r Rela	y Reco	meno	led
				None								
Automatic Trailer F	asher Monitor	Reversing	n Sensor		- 1	Cut Out Switch, e	etc	Mfr's	Towi	ng Plu	n	
		reversing	, 0011301			out out ownon, t			10111	ng r iu	9	
Find Constant Live						Find Ignition-Swi	tched Live					
Colour:						Colour:						
Location: 18						Location:						
Add Fuse:						Add Fuse:						
Best Wiring Location	n		Route to Batter	у			Fusebox L	ocation	1			
21 lamp				-								
		ly. On cars	with power man	agement (ID by	y battery condition	n in display) do no	t go to	the b	attery	
Fitting times, etc. N	lotes											
Wire positions	and connection	ooints etc a	re given. Use pro	obe to ider	ntify	correct wire in lo	cation.		1	2	3	l
These	notes relate fittin	g bypass re	elay. For TF2302	SmartCAN	I, se	e SmartCAN Data	ı		4	5		
Lights	Vehicle Wire 0	Colours	Alternati	ve		L	ocation		7	8	9	
LH Flasher	Black/white								<u> </u>	•	,	_
								_				
Fog Light	Grey/white								10	11	12	
Fog Light RH Flasher	Grey/white Black/green								10	11	12	
									13	11	12	
RH Flasher	Black/green											
RH Flasher RH Side Light	Black/green Grey/red											

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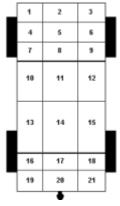
		Longer 7	Core Cable		Bypass Recommer F2302, see SmartC		Other	Rela	y Reco	meno
(21 in Estate) Gro	mmet in floor	3m		TF2218/	7SMARTLOGIC					
utomatic Trailer Fl	lasher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's	Towi	ng Plu	g
										-
nd Constant Live					Find Ignition-Swi	tched Live				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
est Wiring Location			Route to Battery			Fusebox Lo	cation			
and high up	<u>/// </u>		Route to Battery			Under seat:				
Choose pow	er source careful	ly. On cars	with power manag	jement (ID	by battery condition	n in display)	do not	go to	the b	attery
				•	,	,				
itting times, etc. N	lotes			•		,				
itting times, etc. N	lotes			`	, ,					
Wire positions	and connection p			e to identif	y correct wire in lo eee SmartCAN Data	cation.		1 4	2	3
Wire positions	and connection p	g bypass re		e to identif nartCAN, s	y correct wire in lo	cation.		4	2	3 6 9
Wire positions These	and connection p	g bypass re	elay. For TF2302 S	e to identif nartCAN, s	y correct wire in lo	cation.			2	3 6 9
Wire positions These	and connection p notes relate fitting Vehicle Wire C	g bypass re	elay. For TF2302 S	e to identif nartCAN, s	y correct wire in lo	cation.		4	2	3 6 9
Wire positions These I Lights LH Flasher	and connection p notes relate fitting Vehicle Wire C White/black	g bypass re	elay. For TF2302 S	e to identif nartCAN, s	y correct wire in lo	cation.		7	2 5 8	6 9
Wire positions These I Lights LH Flasher Fog Light	and connection p notes relate fitting Vehicle Wire C White/black Grey/brown	g bypass re	elay. For TF2302 S	e to identif nartCAN, s	y correct wire in lo	cation.		7	2 5 8	6 9
Wire positions These I Lights LH Flasher Fog Light RH Flasher	and connection p notes relate fitting Vehicle Wire C White/black Grey/brown Black/green	g bypass re	elay. For TF2302 S	e to identif nartCAN, s	y correct wire in lo	cation.		7 10	2 5 8 11	6 9
Wire positions These I Lights LH Flasher Fog Light RH Flasher RH Side Light	and connection p notes relate fitting Vehicle Wire C White/black Grey/brown Black/green Grey/red	g bypass re	elay. For TF2302 S	e to identif nartCAN, s	y correct wire in lo	cation.		7 10	2 5 8 11	6 9

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Car Data Shee	et		Volkswagen Eos Coupe Late 2007								
7-Core Entry Point		Longer 7 (Core Cable		Bypass Recomme F2302, see Smart0		Other	r Rela	y Reco	omend	led
Grommet: number p	late light			TF2218/7	7SMARTLOGIC		TF22	18/7S	MARTL	LOGIC	;
Automatic Trailer F	lasher Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ing Plu	g	
Find Constant Live	1				Find Ignition-Sw	itched Live					
Colour:					Colour:						
Location: Fusebo	x, rear				Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	on		Route to Battery	y		Fusebox L	ocation	l			
19						12					
Choose pow	er source carefu	lly. On cars	with power mana	agement (ID	by battery condition	on in display) do not	t go to	o the b	attery	
Fitting times, etc. I	Notes										
Wiring: Brake & side will switch both side			ed/black) Connec	t ONLY the b	rake signal wire fro	m the TF221	8/7Sart I	Logic	to this	wire. F	Relay
					y correct wire in lo ee SmartCAN Dat			1	2	3	
Lights	Vehicle Wire (Colours	Alternativ	⁄e	ı	_ocation		7	5	6	
LH Flasher	Black/white						•	<u> </u>		-	
Fog Light	Grey/white							10	11	12	
RH Flasher	Black/green									\sqcup	
										1 /	

Vehicle Wire Colours	Alternative	Location
Black/white		
Grey/white		
Black/green		
	Do not connect	
Black/red		
	Do not connect	
	Black/white Grey/white Black/green	Black/white Grey/white Black/green Do not connect Black/red



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Volkswagen Golf All 2001 -

7-Core Entry Point		Longer 7 C	Core Cable			Sypass Recommer 2302, see SmartC		Othe	r Rela	y Reco	omeno	led
				Non	е							
Automatic Trailer Fla	sher Monitor	Reversing	Sensor			Cut Out Switch, e	tc.	Mfr's	Towi	ng Plu	g	
Find Constant Live						Find Ignition-Swit	ched Live					
Colour:						Colour:						
Location:						Location:						
Add Fuse:						Add Fuse:						
Add I doe.						71001 000.						
Best Wiring Location	<u> </u>		Route to Batter	ry			Fusebox L	ocatior	1			
21 behind pocket												
Choose power	r source carefull	v. On cars v	with power man	agement	(ID b	y battery conditio	n in display) do no	t go t	the b	attery	
Fitting times, etc. No			•			• •		<u>, </u>				
Titting timos, otor rec	7.00											
						correct wire in lo e SmartCAN Data			1	2	3	L
These in	vies relate munig	j bypass ie	iay. 1 01 11 2302	Siliartor	111, 30			_	4	5	6	
Lights	Vehicle Wire C	olours	Alternati	ve		L	ocation		7	8	9	
LH Flasher	Black/white								\vdash			Γ.
Fog Light	White/grey						21		10	11	12	
RH Flasher	Black/green								\vdash			
RH Side Light	Grey/red								13	14	15	
Brake Light	Red/black											
LH Side Light	Black/grey								16	17	48	
									10		100	

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Volkswagen Golf V All May 2004 -

7-Core Entry Point	-Core Entry Point Longer 7 (Bypass Recommended If TF2302, see SmartCAN data			ay Rec	omende
			TF2218/75	SMARTLOGIC			
Automatic Trailer Flasher	Monitor Reversi	ng Sensor		Cut Out Switch, etc.	Mfr's Tow	ing Plu	ıg
				,			
Find Constant Live				Find Ignition-Switched Live			
				Colour:			
Colour:	· howaro washer size			Location:			
Location: 18 under shelf Add Fuse:	. Deware washer pipe			Add Fuse:			
Auu ruse.				Aud I 455.			
Best Wiring Location		Route to Battery	y	Fusebox Lo	ocation		
Fitting times, etc. Notes	· · · · · · · · · · · · · · · · · · ·	•		y battery condition in display) colours below). TF2218/7(S/P)		to the b	oattery.
Replace lamp clusters befo				, , , , , , , , , , , , , , , , , , , ,			
	onnection points etc relate fitting bypass			correct wire in location. e SmartCAN Data	1 4	2	3
Lights Veh	nicle Wire Colours	Alternativ	/e	Location	7	8	9
LH Flasher Blad	ck/white					-	-
Fog Light Whi	ite	Grey/white	e	Loom to tailgate LHS	5 10	11	12
RH Flasher Blac	ck/green						
RH Side Light Gre	y/yellow				13	14	15
Brake Light Blace	ck/purple	Black/red:	loom to tailgat	е			
LH Side Light Gre	y/black				16	17	18
Reverse Blac	ck/blue			Loom to tailgate LHS	3 40		24

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Volkswagen Golf V Plus MPV Autumn 2005 -

7-Core E	Entry Point	Longer 7	Core Cable		Bypass Recomme F2302, see Smart0		Other	Rela	y Reco	meno	bet
				TF2218/7	7SMARTLOGIC		TF22	18/7S	MARTL	_OGIC	;
Automat	ic Trailer Flasher Monito	or Reversing	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	g	
					·					<u>-</u>	
Find Cor	nstant Live				Find Ignition-Sw	itched Live	-				
Colo	ur:				Colour:						
Locatio	on: Fusebox				Location:						
Add Fu	se:				Add Fuse:						
Best Wir	ring Location		Route to Battery			Fusebox Lo	ocation				
21			Grommet LH bulkh	nead		Dash, R/H (12)				
	hoose power source car	efully. On cars	with power manag	jement (ID	by battery conditi	on in display)	do not	go to	the b	attery	· .
	imes, etc. Notes										
	ss grommet in the bulkhea 2217 use high level brake										
Wire	e positions and connecti						1	1	2	3	1
	These notes relate f	itting bypass re	elay. For 1F2302 Si	martCAN, s	ee SmartCAN Dat	a		4	5	6	
Light	vehicle W	ire Colours	Alternative		ı	Location		7	8	9	
LH F	lasher Black/white)							_	<u> </u>	-
Fog I	Light White		Grey/white		1	6 Tailgate		10	11	12	
RH F	Black/green	n						-		-	-
RH S	ide Light Grey/yellov	V	Grey/red					13	14	15	
Brake	e Light Black/purp	le									
LH S	ide Light Grey/black							16	17	18	
Reve	rse Black/blue				1	6 Tailgate					

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Quality, Service, Innovation

	e Entry Point Longer 7 Core Cable		If T	Bypass Recommended If TF2302, see SmartCAN data			Rela	y Reco	mende	
				TF2100I	M special		Not TI	F2100)M from	2001
utomatic Trailer Fl	asher Monitor	Reversing	g Sensor		Cut Out Switch, e	tc.	Mfr's	Towi	ng Plu	g
nd Constant Live					Find Ignition-Swi	tched Live				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
est Wiring Location	n		Route to Batter	rv		Fusebox L	ocation			
		lly. On cars	with power man	nagement (ID	by battery condition	n in display	/) do not	go to	the ba	attery.
wire positions	and connection potes relate fittin	points etc a	ıre given. Use preelay. For TF2302	obe to identi	y correct wire in lo see SmartCAN Data	cation.	/) do not	go to	2	attery.
itting times, etc. N	lotes	points etc a	ıre given. Use pr	obe to identi	y correct wire in lo see SmartCAN Data	cation.	y) do not	1	2	
Wire positions These	and connection potes relate fittin	points etc a	ıre given. Use preelay. For TF2302	obe to identi	y correct wire in lo see SmartCAN Data	cation.	y) do not	1 4 7	2 5 8	3 6 9
Wire positions These	and connection potes relate fittin	points etc a	ıre given. Use preelay. For TF2302	obe to identi	y correct wire in lo see SmartCAN Data	cation.	y) do not	1 4	2	3 6
Wire positions These	and connection potes relate fittin	points etc a	ıre given. Use preelay. For TF2302	obe to identi	y correct wire in lo see SmartCAN Data	cation.	y) do not	1 4 7	2 5 8	3 6 9
Wire positions These	and connection potes relate fittin	points etc a	ıre given. Use preelay. For TF2302	obe to identi	y correct wire in lo see SmartCAN Data	cation.	y) do not	1 4 7	2 5 8	3 6 9
Wire positions These I Lights LH Flasher Fog Light RH Flasher	and connection potes relate fittin	points etc a	ıre given. Use preelay. For TF2302	obe to identi	y correct wire in lo see SmartCAN Data	cation.	y) do not	1 4 7 10	2 5 8	3 6 9
Wire positions These Lights LH Flasher Fog Light RH Flasher RH Side Light	and connection potes relate fittin	points etc a	ıre given. Use preelay. For TF2302	obe to identi	y correct wire in lo see SmartCAN Data	cation.	y) do not	1 4 7 10	2 5 8	3 6 9

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Quality, Service, Innovation

Brake Light

Reverse

LH Side Light

Black/red

Grey/black Blue/red

Volkswagen Passat All 1997 -

di Data Offici						VOIKSWE	gen	. us	Jul /	 .	551
7-Core Entry Point		Longer 7 (Core Cable	lf 7	Bypass Recommo F2302, see Smart		Othe	r Rela	y Reco	meno	led
21 below lamp clust	er			1-way: ı	everse						
Automatic Trailer F	lasher Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	g	
										-	
Find Constant Live					Find Ignition-Sw	vitched Live					
Colour:					Colour:						
Location: Steerin	g column (under)				Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	on		Route to Batter	ry		Fusebox L	ocation	ļ			
19						Dash, R/H ((12)				
Choose pow	ver source carefu	lly. On cars	with power man	nagement (ID	by battery conditi	ion in display) do no	t go to	the b	attery	·_
Fitting times, etc.	Notes										
Warning: Use single	bypass on revers	e to protect f	use								
Power bus bar unde st.wheel.Estate has	r the dash: remove live point at the cig	e the bolt-on g/power poin	section of the da t at 21. Red. To a	sh to access: access pull do	unclip fusebox cov own trim cover.	er, + 3 screws	and un	clip to	p on bo	oth sid	es of
Wiring: connect usin	ig spare slots in cli	uster connec	tors								
					fy correct wire in I			1	2	3	1
These	notes relate fittin	ng bypass re	lay. For TF2302	SmartCAN,	see SmartCAN Da	ta		4	5	-	
Lights	Vehicle Wire	Colours	Alternati	ve		Location		7	8	9	ı
LH Flasher	Black/white							H	_	-	-
Fog Light	Grey/white							10	11	12	
RH Flasher	Black/green							\vdash			-
RH Side Light	Grey/red							13	14	15	

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Volkswagen Passat All 2004 -2005

7-Core Entry Point	Core Entry Point Longer 7 Core Cable				Bypass Recommended If TF2302, see SmartCAN data				y Reco	meno	ed
21 below lamp cluste	er			TF2218/7SMARTLOGIC							
Automatic Trailer F	lasher Monitor	Reversing	ı Sensor		Cut Out Switch, e	etc.	Mfr's	Towi	ng Plu	a	
			,		,				<u> </u>		
Find Constant Live					Find Ignition-Swi	tched Live					
Colour: Black					Colour:						
Location: 23					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	on		Route to Batter	У		Fusebox L	_ocatior	1			
21											
Choose pow	er source careful	ly. On cars	with power man	agement (ID	by battery condition	on in display	y) do no	t go to	the b	attery	
Fitting times, etc. N	lotes										
					y correct wire in losee SmartCAN Data			1	2	3	
inese	notes relate fittin	g bypass re	elay. For 1F2302	Smartcan, s	see SmartCAN Data	1	[4	5	6	
Lights	Vehicle Wire C	colours	Alternati	ve	L	ocation.		7	8	9	
LH Flasher	Black/white					19		\vdash			_
Fog Light	Grey/white							10	11	12	
	- · · ·										
RH Flasher	Black/green										
RH Flasher RH Side Light	Grey/red							13	14	15	
	_							13	14	15	
RH Side Light	Grey/red					19		13	14	15	

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Wiring: See blue plug below window at 21 on estate

work corrrectly.

Volkswagen Passat Saloon etc Late 2005 -

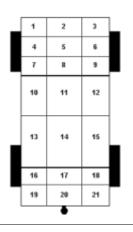
7-Core Entry Point	t Longer 7 Core Cable Bypass Recommended If TF2302, see SmartCAN dat				Other Relay Recomended	
			TF2302 S	SmartCAN		TF2218/7SMARTLOGIC
Automatic Trailer Flasher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's Towing Plug
Find Constant Live				Find Ignition-Swi	tched Live	
Colour:				Colour:		
Location: Fusebox				Location:		
Add Fuse:				Add Fuse:		
Best Wiring Location		Route to Battery			Fusebox Lo	ocation
21		Power tab on back	of fuse boa	rd	Dash, R/H (12)
Choose power source carefu	lly. On cars	with power manag	jement (ID l	by battery conditio	n in display)	do not go to the battery.
Fitting times, etc. Notes						
This car has trailer stability programme Best option is to fit our TF2302 Smart0 Fusebox at 9 is protected by large fuse	CAN.	l bulkhead in front o	f fusebox ur	nder bonnet at 4.		
Data below refers to bypass fitting only For SmartCAN fitting, see SmartCAN						

Wiring: Brake & side lights share one wire. Connect red wire only from relay to run both circuits. Do not connect thin brown or black. All lamps will

Wire positions and connection points etc are given. Use probe to identify correct wire in location.

These notes relate fitting bypass relay. For TF2302 SmartCAN, see SmartCAN Data

Lights	Vehicle Wire Colours	Alternative	Location
LH Flasher	Black		19
Fog Light	Black/red	Pink/blue on estate	19 hinge (21 estate)
RH Flasher	Black/green		21
RH Side Light		Do not connect	See note
Brake Light	Black/blue		
LH Side Light		Do not connect	See note
Reverse	Grey/white		19 hinge gaiter



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Quality, Service, Innovation

Volkswagen Polo Hatchback Spring 2001 -

7-Core Entry Poin	t	Longer 7 (Core Cable	Cable Bypass Recommended If TF2302, see SmartCAN da			Other R	elay Rec	omended
				None					
Automatic Trailer	Flasher Monitor	Reversing	Sensor		Cut Out Switch, etc.	P	Mfr's To	wing Plu	Ja
	<u> </u>							g	<u>.9</u>
Find Constant Liv	Δ				Find Ignition-Switche	d L ive			
	<u> </u>				_	u Live			
Colour:					Colour:				
Location:					Location:				
Add Fuse:					Add Fuse:				
Best Wiring Locat	ion		Route to Battery		Fus	sebox Loca	ation		
Choose pov		ly. On cars	with power manage	ement (ID	by battery condition in	display) de	o not go	to the I	oattery.
Fitting times, etc.	Notes								
Wire position									
			e given. Use probe lay. For TF2302 Sm		y correct wire in location ee SmartCAN Data	on.	1		3
		g bypass re					4	5	6
These	e notes relate fittin	g bypass re	lay. For TF2302 Sm		ee SmartCAN Data			5	3 6 9
Lights	Vehicle Wire C	g bypass re	lay. For TF2302 Sm		ee SmartCAN Data		4	5 8	6
Lights LH Flasher	Vehicle Wire C	g bypass re	lay. For TF2302 Sm		ee SmartCAN Data		7	5 8	6
Lights LH Flasher Fog Light	Vehicle Wire C Black/white Grey/white	g bypass re	lay. For TF2302 Sm		ee SmartCAN Data		7	5 8 3 11	6
Lights LH Flasher Fog Light RH Flasher	Vehicle Wire C Black/white Grey/white Black/green	g bypass re	lay. For TF2302 Sm		ee SmartCAN Data		11	5 8 3 11	9
Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire C Black/white Grey/white Black/green Grey/red	g bypass re	lay. For TF2302 Sm		ee SmartCAN Data		11	5 8 9 11 14	9

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Volkswagen Sharan MPV 1995 -

7-Core Entry Point		Longer 7	Core Cable	If T	Bypass Recomme F2302, see Smart0		Other Rela	ay Rec	omend	ed
20 Grommet				? 7-way						
Automatic Trailer Fl	asher Monitor	Reversing	Sensor		Cut Out Switch,	etc	Mfr's Tow	ina Plu	ıa	
	uoner menner	- Trovoloning	, concor			<u> </u>			9	
Find Constant Live					Find Ignition-Sw	itched Live				
						iterieu Live				
Colour:					Colour:					
Location: Rear ligh	nter socket				Location:					
Add Fuse:					Add Fuse:					
Best Wiring Locatio	n		Route to Battery			Fusebox L	ocation			
19, 21 Lamps										
Choose power	er source careful	ly. On cars	with power manage	gement (ID	by battery condition	on in display) do not go t	o the b	attery	
Fitting times, etc. N	otes									
Wire positions a	and connection r	ooints etc a	re aiven. Use prol	e to identi	fy correct wire in le	ocation.				
					see SmartCAN Dat		1	2	3	•
Lights	Vehicle Wire C						4	5	6	_
		olours	Alternative)	ı	Location		_		
LH Flasher	Black/white	Colours	Alternative	1		Location	7	8	9	
LH Flasher Fog Light		colours)	I	Location		8	9	
	Black/white	colours			I	Location	7		12	
Fog Light	Black/white Grey/white	colours		•	I	Location	7		12	
Fog Light RH Flasher	Black/white Grey/white Black/green	colours		3		Location	10	11		
Fog Light RH Flasher RH Side Light	Black/white Grey/white Black/green Grey/red	colours	1 of 2	•		Location	10	11		1

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Volkswagen T5 Chassis Cab 2003 -

-Core Entry Point		Longer 7 C	ore Cable		Bypass Recommer F2302, see SmartC		Other	Other Relay Recomended			
		4m if going	to cab	TF2218/7	7SMARTLOGIC						
utomatic Trailer FI	asher Monitor	Reversing	Sensor		Cut Out Switch, etc.			Mfr's Towing Plug			
									<u></u>	<u>, </u>	
ind Constant Live					Find Ignition-Swi	ched Live					
Colour:					Colour:						
Location: Battery					Location:						
Add Fuse:				Add Fuse:							
					7144 1 4551						
est Wiring Locatio	n		Route to Battery	,		Fusebox Lo	ocation				
0 Under seat											
Choose power	er source carefull	y. On cars v	vith power mana	gement (ID	by battery conditio	n in display)	do not	go to	the ba	attery	
itting times, etc. N	lotes										
W/											
					y correct wire in lo			1	2	3	
These r	notes relate fitting	y bypass rel	ay. For TF2302 S	SmartCAN, s	ee SmartCAN Data		_	1 4	2	3	
These r	Vehicle Wire Co	y bypass rel		SmartCAN, s	ee SmartCAN Data					3 6 9	
These r Lights LH Flasher	Vehicle Wire Co	y bypass rel	ay. For TF2302 S	SmartCAN, s	ee SmartCAN Data			7	5	6	
These r Lights LH Flasher Fog Light	Vehicle Wire Consideration Black/white Grey/green	y bypass rel	ay. For TF2302 S	SmartCAN, s	ee SmartCAN Data			4	5	3 6 9	
These r Lights LH Flasher Fog Light RH Flasher	Vehicle Wire Consideration Black/white Grey/green Black/green	y bypass rel	ay. For TF2302 S	SmartCAN, s	ee SmartCAN Data			7	5	6	
These r Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire Combined Black/white Grey/green Black/green Grey/red	y bypass rel	ay. For TF2302 S	SmartCAN, s	ee SmartCAN Data			7	5	6	
Lights LH Flasher Fog Light RH Flasher RH Side Light Brake Light	Vehicle Wire Combined Black/white Grey/green Black/green Grey/red Black/red	y bypass rel	ay. For TF2302 S	SmartCAN, s	ee SmartCAN Data			10	5 8 11	9	
Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire Combined Black/white Grey/green Black/green Grey/red	y bypass rel	ay. For TF2302 S	SmartCAN, s	ee SmartCAN Data			10	5 8 11	9	

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Reverse

7-Core Entry Point		Longer 7 (Core Cable	Bypass Recommended If TF2302, see SmartCAN data			Other Relay Recomen			omende
				TF2218/	7SMARTLOGIC					
Automatic Trailer Fl	asher Monitor	Reversing	Sensor	ensor Cut Out Switch, e		c. Mfr's Towing Plu			ng Plu	g
ind Constant Live					Find Ignition-Swit	ched Live				
Colour:					Colour:					
Location:					Location:					
Add Fuse:					Add Fuse:					
Add Lugo.					7.00.1 000.					
Best Wiring Location	n		Route to Battery	/		Fusebox L	ocation			
Fitting times, etc. N		.,	The power mane	.90	by battery conditio	······ diopia,	,, 40	90 10	7 1.10 1	u y .
Vire to O/S rear BEF	ORE refitting burn	nper. Fit rela	y below light clust	er behind mo	ulded panel above b	umper.				
Bypass: indicators di	gitally controlled. I	No fuses for	indicators or brake	es. Bypass th	ese (TF1013) or all	(TF2218/7L	OGIC)			
					y correct wire in lo ee SmartCAN Data			1 4	2	3
Lights	Vehicle Wire C	Colours	Alternativ	е	L	ocation		7	8	9
LH Flasher	Black/white						7	•		-
Fog Light	Grey/green							10	11	12
RH Flasher	Green/black									\square
RH Side Light	Red/grey							13	14	15
Brake Light	Red/black									
LH Side Light	Grey/white							16	17	48

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Quality, Service, Innovation

Volkswagen Tiguan AWD 2008 -

7-Core Entry Point					Bypass Recommended If TF2302, see SmartCAN data			
18 Wheel arch	2m		TF2218/7	'SMARTLOGIC		TF2218/7SMARTLOGIC		
Automatic Trailer Flasher Monitor	Reversing	g Sensor	Ш	Cut Out Switch,	etc.	Mfr's Towing Plug		
Find Constant Live	-			Find Ignition-Sw	itched Live			
Colour:				Colour:				
Location: Fusebox				Location:				
Add Fuse:				Add Fuse:				
Best Wiring Location		Route to Battery	,		Fusebox	ocation		
19/21		Grommet above I			12			
Choose power source carefu	ılly. On cars	with power mana	gement (ID	by battery condition	on in displa	y) do not go to the battery.		
Fitting times, etc. Notes								
Wiring: Brake & side lights share the swill switch both side and brake output		Red/black) Connec	t ONLY the b	rake signal wire fro	m the TF22	18/7Sart Logic to this wire. Relay		
Fog light connection at 16/19 on pillar								
Bumper: Disconnect plugs for rev sen	sor and rev l	ight before removir	ng bumper					

Wire positions and connection points etc are given. Use probe to identify correct wire in location. These notes relate fitting bypass relay. For TF2302 SmartCAN, see SmartCAN Data

Lights	Vehicle Wire Colours	Alternative	Location
LH Flasher	Black/white		19
Fog Light	Grey/green		16-17 under headlining
RH Flasher	Black/green		21
RH Side Light		Do not connect	
Brake Light	Black/pink	Black/purple	21
LH Side Light	Black/yellow	Do not connect	19
Reverse	Black/blue	Grey/white	21

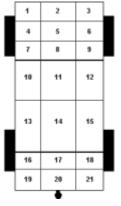
	1	2	3	L
ı	4	5	6	
	7	8	9	
	10	11	12	
	13	14	15	
ı	16	17	18	ı
_	19	20	21	Γ
		•		

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Quality, Service, Innovation

Car D	ata Sheet					Volkswa	gen	Tou	ran A	AII 2	003 -
7-Core	Entry Point	Longer 7 Co	re Cable		Bypass Recomme 2302, see Smart(Othe	r Rela	ay Reco	menc	led
21 gron	nmet behind air vent			TF2218/7	SMARTLOGIC						
Automa	atic Trailer Flasher Monitor	Reversing S	ensor		Cut Out Switch,	etc.	Mfr's	Towi	ing Plu	g	
Find Co	onstant Live				Find Ignition-Sw	itched Live					
Col	lour:				Colour:						
Locat	tion: Boot				Location:						
Add F	use:				Add Fuse:						
Best W	/iring Location	R	oute to Battery			Fusebox L	ocation)			
19, 21 L	Lamps										
(Choose power source carefu	ılly. On cars wi	th power manage	ement (ID I	by battery condition	on in display) do no	t go t	o the b	attery	
Fitting	times, etc. Notes										
	Rear seats and side panels at fusebox for live take-off.	13, 16 and 19 to	be removed, Wi	res 300mm	from floor.						
_	Brake & side lights share one orrrectly.	wire. Connect re	ed wire only from	relay to run	both circuits. Do n	ot connect thi	n browr	n or bl	ack. All	lamps	s will
Replace	e lamp clusters before testing										
Wi	re positions and connection These notes relate fitti							1	2	3	
Ligh	hts Vehicle Wire	Colours	Alternative		I	_ocation		7	5	6	
LH	Flasher Black/white							Ļ'	6	3	
Fog	Light White/yellow							10	11	12	
RH	Flasher Black/green		1 of 2								

Lights	Vehicle Wire Colours	Alternative	Location
LH Flasher	Black/white		
Fog Light	White/yellow		
RH Flasher	Black/green	1 of 2	
RH Side Light	Black/white	Grey/red	
Brake Light	Red/black		See note
LH Side Light	Grey/black		
Reverse	Black/green	1 of 2	



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Quality, Service, Innovation

LH Side Light

Reverse

Grey

Brown/blue

Volkswagen Toureg AWD 2003 -

ai Data Sileet					Volkswagen Touleg AVD 20						
7-Core Entry Point		Longer 7	Core Cable			Bypass Recommer 2302, see SmartC		Other	r Rela	y Reco	omende
21 Grommet				TF2	TF2218/7SMARTLOGIC			TF2218/7SMARTLOGIC			
Automatic Trailer Flash	ner Monitor	Reversing	g Sensor			Cut Out Switch, e	etc.	Mfr's	Towi	ng Plu	g
Find Constant Live						Find Ignition-Swi	tched Live				
Colour:						Colour:					
Location: 18						Location:					
Add Fuse:						Add Fuse:					
Best Wiring Location			Route to Batter	ry			Fusebox L	.ocation	<u> </u>		
21			Under seat: 10								
Choose power s	source carefull	y. On cars	with power man	nagemen	nt (ID b	y battery conditio	n in display	/) do no	t go to	the b	attery.
Fitting times, etc. Note	es										
Warning: Take lights out	carefully and e	evenly to av	oid damage to tri	m and su	ırround	ls					
Wire positions and These note						correct wire in lo ee SmartCAN Data			1 4	2	3
Lights	Vehicle Wire C	olours	Alternati	ve		L	ocation		7	8	9
LH Flasher E	Black/white						19		\vdash	-	-
Fog Light (Grey/white						21		10	11	12
RH Flasher E	Black/green								$\vdash \vdash$		\square
RH Side Light	Grey								13	14	15
Brake Light (Grey/brown										

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Blue/black?

21

Quality, Service, Innovation

Car Data Sheet

Volkswagen Transporter T4 Van -

7-Core Entry Point		Longer 7	Core Cable	If	Bypass Recomm TF2302, see Smar		Othe	r Rela	y Reco	meno	led
21 grommet behind a	air vent			None							
Automatic Trailer F	asher Monitor	Reversing	Sensor		Cut Out Switch	. etc.	Mfr's	Towi	ng Plu	a	
						,			<u> </u>		
Find Constant Live					Find Ignition-S	witched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Add 1 d3c.					7144 7 466.						
Best Wiring Location	n		Route to Battery			Fusebox L	ocation	1			
Choose power	er source careful	ly. On cars	with power mana	gement (I	D by battery condi	tion in display	/) do no	t go to	o the b	attery	
Fitting times, etc. N	lotes										
					tify correct wire in , see SmartCAN Da			1 4	2	3	
Lights	Vehicle Wire C	Colours	Alternative	•		Location		7	8	9	
LH Flasher	White/black						_				_
Fog Light	Grey		Blue					10	11	12	
RH Flasher	Green/black							\vdash			
RH Side Light	Grey/red							13	14	15	
Brake Light	Red/black										
LH Side Light	Black/grey							16	17	18	
. 1	1										

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7-Core Entry Point		Longer 7	Core Cable		Bypass Recomme F2302, see SmartC		Othe	r Rela	y Reco	omeno	led
				TF2218/7	7SMARTLOGIC						
Automatic Trailer Fla	sher Monitor	Reversing	g Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	g	
										<u>-</u>	
Find Constant Live		I			Find Ignition-Swi	tched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location			Route to Battery			Fusebox Lo	ocation	1			
Choose power	source careful	y. On cars	with power manag	ement (ID	by battery condition	on in display) do no	t go t	o the b	attery	
Fitting times, etc. No	tes										
Volvo download create	s a fog cut out fu	ınction for t	owing.								
Wire positions ar These no	nd connection potes relate fitting	oints etc a	ıre given. Use prob elay. For TF2302 Sr	e to identif nartCAN, s	y correct wire in lo ee SmartCAN Data	ocation.		1 4	2	3	
Lights	Vehicle Wire C	olours	Alternative		L	ocation		7	8	9	
LH Flasher							_	Ĥ		-	-
Fog Light								10	11	12	
RH Flasher								\vdash			
RH Side Light								13	14	15	
Brake Light											
LH Side Light								16	17	18	
Reverse							_	19	20	21	_

Quality, Service, Innovation

7-Core Entry Point		Longer 7 (Core Cable		Bypass Recommer F2302, see SmartC		Other	Rela	y Reco	mend	ed
				None							
Automatic Trailer F	asher Monitor	Reversing	Sensor		Cut Out Switch, e	etc.	Mfr's	Towi	ng Plu	g	
					·		19 Mu			<u>-</u>	
Find Constant Live					Find Ignition-Swi	tched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse: Slot 16					Add Fuse:						
7.00 7.000. 0.00 70					7100 7 0001						
Best Wiring Location	n		Route to Battery	1		Fusebox L	ocation				
Choose power		ly. On cars	with power mana	agement (ID	by battery conditio	n in display) do not	go to	the b	attery	
ritting times, etc. N	ioles										
		points etc a									
Τροερι					y correct wire in lo			1	2	3	
	notes relate fittin				y correct wire in lo see SmartCAN Data			1	2	3	
Lights	Vehicle Wire (g bypass re		SmartCAN, s	see SmartCAN Data			4	5	3 6	
		g bypass re	lay. For TF2302	SmartCAN, s	see SmartCAN Data	1				3 6 9	
Lights		g bypass re	lay. For TF2302	SmartCAN, s	see SmartCAN Data	1		4	5	3 6 9	
Lights LH Flasher		g bypass re	lay. For TF2302	SmartCAN, s	see SmartCAN Data	1		7	5	6 9	
Lights LH Flasher Fog Light		g bypass re	lay. For TF2302	SmartCAN, s	see SmartCAN Data	1		7	5	6 9	
Lights LH Flasher Fog Light RH Flasher		g bypass re	lay. For TF2302	SmartCAN, s	see SmartCAN Data	1		4 7 10	5 8	6 9	
Lights LH Flasher Fog Light RH Flasher RH Side Light		g bypass re	lay. For TF2302	SmartCAN, s	see SmartCAN Data	1		4 7 10	5 8	6 9	

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Car Data Sheet Volvo C30 All 2007 -

7-Core Entry Point	Longer 7	Core Cable		Bypass Recomme	nded	Othe	r Rela	y Reco	mend
•			If T	F2302, see SmartC	AN data			•	
			TF2218/	7SMARTLOGIC					
Automatic Trailer Flashe	er Monitor Reversing	g Sensor		Cut Out Switch, e	etc.	Mfr's	Towi	ng Plu	g
ind Constant Live				Find Ignition-Swi	tched Live				
Colour:				Colour:					
Location: 21				Location:					
Add Fuse: Slot 14, 40 a	mps			Add Fuse:					
Best Wiring Location		Route to Battery			Fusebox L	ocation	l .		
					Under boni	net LH			
Choose power so	ource carefully. On cars	with power mana	gement (ID	by battery condition	on in display	/) do no	t ao ta	o the b	atterv.
Fitting times, etc. Notes		, p	gee (.2			,,	. 90		
	connection points etc a s relate fitting bypass r						1	2	3
Lights Ve	ehicle Wire Colours	Alternative	9	L	ocation		4	5	6
_	ue				19		7	8	9
Fog Light G	reen/yellow				21		10	11	12
RH Flasher BI	ue/red				21				Ш
RH Side Light O	range				21		13	14	15
	range/black				21		"		
LH Side Light O	range/white				19		16	17	18
_									

Quality, Service, Innovation

7-Core Entry Point		Longer 7 (Core Cable		Bypass Recommer F2302, see SmartC		Other	Rela	y Reco	meno	bel
				None							
Automatic Trailer Fla	asher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's	Towi	ng Plu	g	
									ck, one		V
Find Constant Live					Find Ignition-Swit	ched Live					
Colour:	=		=		Colour: Blue						
Location: Yellow pl	ua				Location: Yello	-					
Add Fuse: Slot 16	ug				Add Fuse:	plag					
Best Wiring Location	1		Route to Battery	У		Fusebox Lo	cation				
						Under bonne	et				
Choose powe	r source careful	ly. On cars	with power mana	agement (ID	by battery conditio	n in display)	do not	go to	the b	attery	· <u> </u>
Fitting times, etc. No	otes										
Wire positions a	ınd connection ı	noints etc a									,
			'e aiven. Use pro	be to identif	v correct wire in lo	cation.					
	otes relate fittin				y correct wire in lo ee SmartCAN Data			1	2	3	
	Vehicle Wire C	g bypass re		SmartCAN, s	ee SmartCAN Data			4	5	3 6	
Lights LH Flasher		g bypass re	lay. For TF2302 \$	SmartCAN, s	ee SmartCAN Data			-		6 9	
Lights	Vehicle Wire C	g bypass re	lay. For TF2302 \$	SmartCAN, s	ee SmartCAN Data			4	5	3 6 9	
Lights LH Flasher	Vehicle Wire C	g bypass re	lay. For TF2302 \$	SmartCAN, s	ee SmartCAN Data	ocation		4	5	6	
Lights LH Flasher Fog Light	Vehicle Wire C Green Purple/white	g bypass re	lay. For TF2302 \$	SmartCAN, s	ee SmartCAN Data	ocation		4	5	6	
Lights LH Flasher Fog Light RH Flasher	Vehicle Wire C Green Purple/white Blue/green	g bypass re	lay. For TF2302 \$	SmartCAN, s	ee SmartCAN Data	ocation		7	5 8	9	
Lights LH Flasher Fog Light RH Flasher RH Side Light	Vehicle Wire C Green Purple/white Blue/green Grey	g bypass re	lay. For TF2302 \$	SmartCAN, s	ee SmartCAN Data	ocation		7	5 8	9	

Quality, Service, Innovation

Car Data Sheet Volvo S40 All 2000 -

7-Core Entry Point	i .	Longer 7 C	Core Cable		Bypass Recommer 2302, see SmartC		Othe	r Rela	y Reco	omeno	led
19 Grommet				3-way: St	op & L/R tails						
Automatic Trailer I	Flasher Monitor	Reversing	Sensor		Cut Out Switch, e	etc.	Mfr's	Towi	ng Plu	q	
		3			,				<u> </u>	<u> </u>	
Find Constant Live	•				Find Ignition-Swi	tched Live					
Colour:					Colour: Yello						
Location: 19					Location: 19	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
Add Fuse: Slot 16	3				Add Fuse:						
Best Wiring Locati	ion		Route to Battery		1	Fusebox L	ocatior	1			
Choose pov	ver source careful	ly. On cars v	with power mana	gement (ID l	by battery condition	n in display) do no	t go to	the b	attery	
Fitting times, etc.	Notes										
	s and connection p notes relate fitting							1 4	2	3	
Lights	Vehicle Wire C	olours	Alternative	•	L	ocation		7	8	9	
LH Flasher	Blue/yellow							H		-	-
Fog Light	Blue				M	ultiblock		10	11	12	
RH Flasher	Yellow/brown							\vdash			
RH Side Light	Grey							13	14	15	
Brake Light	Green/red		Brown/blac	k in m'block							
LH Side Light	Grey							16	17	18	
1	Purple/white		Brown/orar				_			1	_

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Car Data Sheet Volvo S40 All 2004 -

7-Core Entry Point		Longer 7 C	Core Cable		Bypass Recommend	led	Other	Rela	y Reco	omend
					F2302, see SmartCA					
21 Grommet				TF2218/7	'SMARTLOGIC					
Automatic Trailer Fl	asher Monitor	Reversing	Sensor		Cut Out Switch, etc	.	Mfr's	Towi	ng Plu	g
ind Constant Live					Find Ignition-Switch	hed Live				
Colour:					Colour:					
Location: 21					Location:					
Add Fuse:					Add Fuse:					
Best Wiring Locatio	n		Route to Battery		1	Fusebox Lo	cation			
21 lamp			-							
Choose power	er source carefu	lly. On cars v	with power manage	ement (ID	by battery condition	in display)	do not	go to	the b	attery.
Fitting times, etc. N	lotes									
Viring: Bring opposit		light leads ac	ross to connection p	point						
Wire positions	and connection		a siyan Haa naaba	. ta idantif	y correct wire in loc	-ti				
					ee SmartCAN Data	ation.		1	2	3
Lights	Vehicle Wire	Colouro	Alternative			cation	7 I	4	5	6
LH Flasher		Colours	Alternative		LO	cation	╴┖	7	8	9
	Light blue						- [10	11	12
Fog Light	Green/yellow						-			"
RH Flasher	Blue/red						- 1			\Box
RH Side Light	Orange						┨	13	14	15
Brake Light	Orange/black									
LH Side Light	Orange							16	17	48

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Reverse

Green/black

Car Data Sheet Volvo S40 All 2005 -

7-Core Entry Point		Longer 7 (Core Cable	If 7	Bypass Recomme F2302, see Smart0		Othe	r Rela	y Reco	menc	ed
21 Grommet				None							
Automatic Trailer F	lasher Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	α	
					,					<u> </u>	
Find Constant Live	1				Find Ignition-Sw	itched Live					
Colour:					Colour:						-
					Location:						
Location:					Add Fuse:						
Add Fuse:					Add Fuse.						
Best Wiring Location	on		Route to Battery			Fusebox L	ocation	1			
16 Behind side pane			,					·			
Choose now	ver source careful	lly. On cars	with power mana	gement (ID	by battery conditi	on in display	/) do no	t ao ta	the b	atterv	
Fitting times, etc.			man power mana	900 (12	by battory contain	on in alopia,	,, 40	. 90 .		u y	
Fitting times, etc.	NOTES										
					fy correct wire in I			1	2	3	
These	notes relate fittin	g bypass re	lay. For TF2302 S	martCAN,	see SmartCAN Dat	a		4	5		
Lights	Vehicle Wire 0	Colours	Alternative	•		Location		7	8	•	
LH Flasher	Light blue							<u> </u>	•	,	-
Familials	0 / "							ا	11	12	
Fog Light	Green/yellow							10	11	16	
RH Flasher	Blue/red							10		16	
								13	14	15	
RH Flasher	Blue/red										•
RH Flasher RH Side Light	Blue/red Orange										1

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7-Core Entry Point	Longer 7 Core Cable		Bypass Recommended F2302, see SmartCAN data	Other Relay Recomended
Grommet in boot floor		See note	e below	
Automatic Trailer Flasher Monitor	Reversing Sensor		Cut Out Switch, etc.	Mfr's Towing Plug
✓				
Find Constant Live			Find Ignition-Switched Live	
Colour:			Colour: Blue	
Location: Fusebox			Location: Fusebox	
Add Fuse: Slot 9, 15amps			Add Fuse: Slot 15, 20 amp	

Best Wiring Location	Route to Battery	Fusebox Location
19	Boot	Boot LHS 16/19

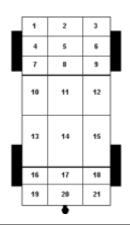
Choose power source carefully. On cars with power management (ID by battery condition in display) do not go to the battery.

Fitting times, etc. Notes

Wire positions and connection points etc are given. Use probe to identify correct wire in location.

These notes relate fitting bypass relay. For TF2302 SmartCAN, see SmartCAN Data

Lights	Vehicle Wire Colours	Alternative	Location
LH Flasher	Green		
Fog Light	Pink	Bypass	
RH Flasher	Green/white		
RH Side Light	Grey		
Brake Light	Yellow		
LH Side Light	White		
Reverse	Blue		



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7-Core Entry Point		Longer 7	Core Cable		Bypass Recomme F2302, see SmartC		Other	Rela	y Reco	mend	ed
Grommet in boot floo	ır			See note	below						
Automatic Trailer Fl	asher Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	g	
							Fuset			<u>-</u>	
Find Constant Live					Find Ignition-Sw	itched Live					
Colour:					Colour:					-	
Location: Fusebox					Location:						
Add Fuse: Slot 15,					Add Fuse:						
	•										
Best Wiring Location	n		Route to Battery	/		Fusebox L Boot	ocation				
Choose now	ar source careful	ly On care	with nower mans	agement (ID	by battery condition	on in display) do not	ao te	the h	attory	
Fitting times, etc. N		.,	powor mane		2) Dutto:) Contains	,,, iii diopidy	, 40 110	. 90			
					y correct wire in lo			1 4	2	3	
Lights	Vehicle Wire 0										
		Colours	Alternativ	'e	L	ocation				9	ı
LH Flasher	Green	Colours	Alternativ	re .	L	ocation.		7	8	9	
LH Flasher Fog Light	Green Purple/white	Colours	Alternativ	re	L	ocation.				9	
		Colours	Alternativ	е	L	ocation.		7	8	9	
Fog Light	Purple/white	Colours	Alternativ	е	L	ocation		7	8	12	
Fog Light RH Flasher	Purple/white Blue/green	Colours	Alternativ	e	L	ocation		10	11		
Fog Light RH Flasher RH Side Light	Purple/white Blue/green Red/green	Colours	Alternativ	e		ocation		10	11		• •

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7-Core Entry Point		Longer 7	Core Cable)		Bypass Recon F2302, see Sm		Other Relay Recomended				
Grommet in boot floo	or				None							
Automatic Trailer F	lasher Monitor	Reversin	g Sensor			Cut Out Swite	ch. etc.	Mfr's Towing Plug Behind rear panel Live				
			9				,					
Find Constant Live						Find Ignition	-Switched Live					
Colour:						Colour:						
Location: Multiblo	ck					Location:						
Add Fuse: Slot 9, 1						Add Fuse:						
Best Wiring Location	on		Route to	Batterv			Fusebox L	ocation	1			
			Boot				Boot LHS 1	6/19				
Choose power Fitting times, etc. N		ly. On cars	s with powe	er manage	ement (ID	by battery con	dition in display) do no	t go t	o the b	attery	·.
	and connection p								1	2	3	_ _
Lights	Vehicle Wire C	Colours	Alt	ernative			Location		7	5	9	ł
LH Flasher	Green							•	<u> </u>		,	▛
Fog Light	Pink						19 Main loom		10	11	12	
RH Flasher	Green/white											-
RH Side Light	White								13	14	15	
Brake Light	Yellow								1			
LH Side Light	Grey								16	17	18	ł
	Blue									1	1	

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Add Fuse: Slot 9, 15amps

7-Core Entry Point	Longer 7 Core Cable		Bypass Recommended F2302, see SmartCAN data	Other Relay Recomended
Grommet in boot floor		TF2218/	7SMARTLOGIC	
Automatic Trailer Flasher Monitor	Reversing Sensor		Cut Out Switch, etc.	Mfr's Towing Plug
V				See note below
Find Constant Live			Find Ignition-Switched Live	
Colour:			Colour: Yellow	
Location: Multiblock			Location: Multiblock	

Route to Battery	Fusebox Location
Boot	

Add Fuse:

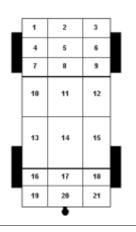
Choose power source carefully. On cars with power management (ID by battery condition in display) do not go to the battery.

Fitting times, etc. Notes Towing plug behind rear panel but not on 54 model. On 54 plate find all wires on n/s 19 Manufacturer's towing plugs are reported not to be in vehicles from late 2004, a full bypass is now required.(TF2217LOGIC)

Wire positions and connection points etc are given. Use probe to identify correct wire in location.

These notes relate fitting bypass relay. For TF2302 SmartCAN, see SmartCAN Data

Lights	Vehicle Wire Colours	Alternative	Location
LH Flasher	Green		
Fog Light	Pink		21 loom
RH Flasher	Green/white		
RH Side Light	Grey		Multiblock
Brake Light	Yellow		
LH Side Light	White	Grey/white	Multiblock
Reverse	Blue		



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Car Data Sheet Volvo V40 All 2001 -

7-Core Entry Point		Longer 7 Cor	re Cable		Bypass Recomme F2302, see SmartO		Other Relay Recomended				
19 Grommet				TF2218/7SMARTLOGIC							
Automatic Trailer F	lasher Monitor	Reversing Se	ensor		Cut Out Switch, e	etc.	Mfr's	Towi	ng Plu	g	
Find Constant Live		1			Find Ignition-Swi	itched Live					
Colour:					Colour:						
Location: 19					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	on	R	oute to Battery			Fusebox L	ocatior	1			_
19 Lamp						Dash, R/H	(12)				
Fitting times, etc. N	Notes										
		g bypass relay		martCAN, s	y correct wire in lo see SmartCAN Data		-	1 4	2	3	
LH Flasher	Blue/green		Blue/yellow			19	_	-	8	9	▛
Fog Light	Blue					16		10	11	12	
RH Flasher	Yellow/brown									<u> </u>	
RH Side Light								13	14	15	
Brake Light	Brown/black		Green/red			19					
LH Side Light	Grey/black		Green/oran	ge		19		16	17	18	۱
Reverse	Green/orange						-			-	F

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Car Data Shee	et						Vol	۷o ۱	/50 /	All 20	J04 -
7-Core Entry Point		Longer 7 (Core Cable		Bypass Recomme F2302, see SmartC		Othe	r Rela	y Reco	omend	ed
21				TF2218/	7SMARTLOGIC						
Automatic Trailer FI	asher Monitor	Reversing	Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	ıg	
										-	
Find Constant Live					Find Ignition-Swi	itched Live					
Colour:					Colour:						
Location: 21					Location:						
Add Fuse: Slot 77 1	15 amp				Add Fuse:						
Best Wiring Locatio	n		Route to Batter	·v	1	Fusebox L	ocation	ı			
19 Lamp				,		Dash		*			
Choose power	er source carefu	lly. On cars	with power man	agement (ID	by battery condition	on in display) do no	t go to	the b	attery.	
Fitting times, etc. N	lotes										
WARNING: AIR BAG	WIRES FOUND	IN N/S LOO	M (ORANGE/BL	ACK) SAME	AS TOP BRAKE LI	GHT WIRE					
Wire positions	and connection	noints etc a	re given. Use nra	nhe to identif	y correct wire in lo	ncation					
These r	notes relate fittir	ig bypass re	elay. For TF2302	SmartCAN, s	see SmartCAN Data	3		1	2	3	
Lights	Vehicle Wire	Colours	Alternativ	ve	1	ocation		4	5	6	
LH Flasher	Blue	3010410	7110111411		_		_ •	7	8	9	
Fog Light	Green/yellow							10	11	12	
RH Flasher	Blue/red									Ш	
RH Side Light	Orange							13	14	15	
Brake Light	Orange/black										

See Note above

LH Side Light

Reverse

Orange

Green/black

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RH Side Light

LH Side Light

Brake Light

Reverse

Grey/white

Yellow/grey

Red/white

Blue

Sar Data Sne	et					Vo	ovio	V / U	Esta	ite 2	.000 -
7-Core Entry Poin	t	Longer 7 Co	re Cable			commended SmartCAN data	Othe	r Rela	y Reco	omend	led
Grommet in boot flo	oor			TF2218/7	7SMARTLO	GIC					
Automatic Trailer	Flasher Monitor	Reversing Se	ensor		Cut Out S	witch, etc.	Mfr's	Towi	ng Plu	g	
							Behir	nd rea	r panel		
Find Constant Liv	re				Find Igniti	on-Switched Live	•				
Colour:					Color	ur: Yellow					-
Location: Multib	lock				Locatio	n: Multiblock					
Add Fuse: Slot 9	, 20amps				Add Fus	e: Slot 15, 15amp					
Best Wiring Locat	tion	R	oute to Battery			Fusebox Lo	ocation	<u> </u>			
· ·			j			Boot					
Choose po	wer source carefu	lly. On cars wi	th power manag	ement (ID	by battery o	condition in display	do no	t go to	the b	attery	
Fitting times, etc.	. Notes										
Manufacturer's tow	ring plugs are repor	ted not to be in	vehicles from late	2004, a fu	ll bypass is	now required.(TF22	17LOG	IC)			
Wire position These	s and connection e notes relate fitti	points etc are g	given. Use prob y. For TF2302 Sr	e to identif nartCAN, s	y correct w ee SmartC <i>i</i>	ire in location. AN Data		1	2	3	
Lights	Vehicle Wire	Colours	Alternative			Location		7	5	6	
LH Flasher	Green							H		,	_
Fog Light	Pink					behind rear panel		10	11	12	
RH Flasher	Green/white		Blue/green?	ı							

2005: Grey

White

2005: Yellow

LH Side Light

Reverse

Purple/green

Green/brown

ar Data Sneet					VOIVO V/U Estate 200								
7-Core Entry Point		Longer 7 (Core Cable		Bypass Recommend F2302, see SmartCA		Other	Rela	y Reco	omend			
				TF2218/	7SMARTLOGIC		TF2218/7SMARTLO						
Automatic Trailer Flash	ner Monitor	Reversing	Sensor		Cut Out Switch, et	С.	Mfr's	Towir	ng Plu	g			
Find Constant Live					Find Ignition-Switch	hed Live							
Colour:					Colour:								
Location: Fusebox					Location:								
Add Fuse:					Add Fuse:								
Best Wiring Location			Route to Batter	у		Fusebox Lo	cation						
						19 or 21							
Choose power s	ource careful	ly. On cars	with power man	agement (ID	by battery condition	in display)	do not	go to	the b	attery.			
Fitting times, etc. Note	es es												
Wiring: Lower brake light		when boot	is closed. Wire to	high level									
Wire positions and These note	I connection per relate fitting	ooints etc a g bypass re	re given. Use pro lay. For TF2302	obe to identif SmartCAN, s	y correct wire in loc see SmartCAN Data	ation.	ı.	1	2	3			
Lights	/ehicle Wire C	olours	Alternativ	/e	Lo	cation	▔▐	7	5	9			
LH Flasher	Grey/orange					19	•	,	8	-			
Fog Light	Brown/green		Thin			19		10	11	12			
RH Flasher	Green/orange					21				Ш			
RH Side Light V	White/orange					21		13	14	15			
Brake Light (Grey/brown		Thinner of	f two		19				k			

19

19

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-Core Entry Point		Longer 7	Core Cable		Bypass Recommer F2302, see SmartC	Other Relay Recomend				
9 (21 in Estate) Gro	mmet in floor	2m		TF2218/7	8/7SMARTLOGIC					
Automatic Trailer Fl	asher Monitor	Reversing	Sensor		Cut Out Switch, e	etc.	Mfr's T	owir	ng Plu	<u> </u>
		_								
ind Constant Live					Find Ignition-Swi	tched Live				
Colour:					Colour:					
Location: Fusebox	(Location:					
Add Fuse:					Add Fuse:					
Best Wiring Locatio	n		Route to Battery		-	Fusebox L	ocation			
9			,			19				
Fitting times, etc. N		y. On cars	with power manag	ement (ID	by battery contains	in display	,, do not s	<i>j</i> 0 (0	, tile bi	atter y.
			re given. Use probe lay. For TF2302 Sn				_	1	2	3
Limbto			-						5	
Lights	Vehicle Wire C	olours	Alternative			ocation	╸┠	4		6
LH Flasher	Vehicle Wire C Green/orange	olours	Alternative				╌┞	7	8	9
		olours	Alternative			ocation		_		9
LH Flasher	Green/orange	olours	Alternative			ocation 19		7	8	9
LH Flasher Fog Light	Green/orange White/blue	olours	Alternative			ocation 19 21		7	8	12
LH Flasher Fog Light RH Flasher	Green/orange White/blue Green/orange	olours	Alternative			ocation 19 21 21		7	11	
LH Flasher Fog Light RH Flasher RH Side Light	Green/orange White/blue Green/orange Yellow/black	olours				ocation 19 21 21 21		7	11	

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Sar Data Snee	τ			VOIVO XC/U SUV 2U							
7-Core Entry Point		Longer 7 C	ore Cable		Bypass Recommer F2302, see SmartC		Other	r Rela	y Reco	mend	
				TF2218/7	SMARTLOGIC		TF2218/7SMARTLOG				
Automatic Trailer Fla	asher Monitor	Reversing	Sensor		Cut Out Switch, e	tc.	Mfr's	Towi	ng Plu	g	
Find Constant Live					Find Ignition-Swit	ched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	n		Route to Battery			Fusebox L	.ocation				
Choose powe	r source carefull	y. On cars w	vith power manage	ement (ID I	by battery condition	n in display	/) do not	go to	the b	attery.	
Fitting times, etc. No	otes										
High level brake light,	reverse and fog a	re found und	der the head lining a	at the top o	f the LH pillar. Loom	is under pa	nel by c	ourtes	y light		
Wiring: Lower brake li	ghts stop working	when boot is	s closed. Wire to hig	gh level							
M/				4 - 1 - 1							
					y correct wire in lo ee SmartCAN Data			1	2	3	
							_	4	5	6	
Lights	Vehicle Wire Co	olours	Alternative		L	ocation	_ [7	8	9	
LH Flasher	Grey/orange							40		42	
Fog Light	0 /							10	11	12	
RH Flasher	Green/orange									\vdash	
RH Side Light								13	14	15	
Brake Light	Yellow/grey										

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LH Side Light

Reverse

Mauve/green

7-Core Entry Point		Longer 7	Core Cable	If 7	Bypass Recomme F2302, see Smart0		Other Relay Recomen				
21 Multiblock under	car			TF2218	TF2218/7SMARTLOGIC						
Automatic Trailer F	lasher Monitor	Reversin	g Sensor		Cut Out Switch,	etc.	Mfr's	Towi	ng Plu	q	
✓			<u> </u>		,					<u> </u>	
Find Constant Live					Find Ignition-Sw	itched Live					
Colour:					Colour:						
Location:					Location:						
Add Fuse:					Add Fuse:						
Best Wiring Location	n n		Route to Batter			Fusebox L	ocation				
16, 19				-							
Choose pow	er source careful	ly. On cars	with power man	agement (ID	by battery condition	on in display	/) do no	t go to	the b	attery.	
Fitting times, etc. N			<u> </u>								
Manufacturer's towin		ed not to be	e in vehicles from la	ate 2004, a f	ull bypass is now re	quired.(TF22	17LOGI	C)			
Wire nositions	and connection r	noints etc :	are given. Use nro	he to identi	fy correct wire in le	ncation					
					see SmartCAN Dat			1	2	3	
Lights	Vehicle Wire C	Colours	Alternativ	/e		_ocation		4	5	6	
LH Flasher	Green						_	7	8	9	
Fog Light	Pink							10	11	12	
RH Flasher	Green/white										
	1									$\overline{}$	
RH Side Light	White		Grey					13	14	15	
RH Side Light Brake Light	White Yellow		Grey					13	14	15	
			Grey/whit	e				13	14	15	

Quality, Service, Innovation