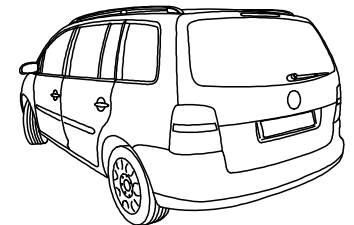
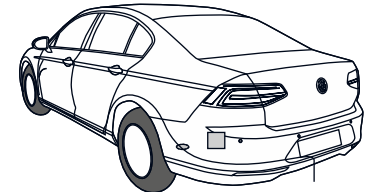
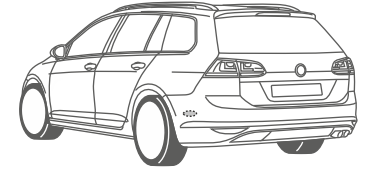
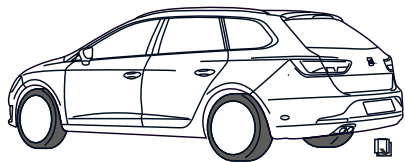
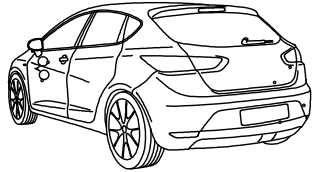


# Ryder Towing Equipment Ltd

## Vehicle-Specific Towing Electrical Kits TF2352VAG

**Audi:** A3 2003- A4 2005- 2015 A5 2008- A8 2011- Q2 2019- Q3 2011- Q5 2008-2016  
**Seat:** Altea 2016- Altea 2008- Exeo 2009- Leon: 2005-  
**Skoda:** Kodiaq 2016- Octavia 2005- Superb 2009- Yeti 2005-  
**VW:** Caddy 2004- Passat 2005- Golf 5, 6 & 7 2005- Polo 2009-  
 Sharan 2010- Tiguan 2015- Touran 2008- Toureg 2003-2011  
 Transporter T6 2015- Crafter Van 2017-



Caravan Auxiliary (12S) function is built in

Installation is simple and quick - no need to “take the vehicle apart”.

High-quality connections throughout are easy and uncomplicated

### Contents

Page 1	Contents
Page 2	Cable routing, CAN & power connections
Page 3	Detail of power and caravan auxiliary connections
Page 4	Kit components
Page 5	CANbus connections
Page 6	Socket assemblies
Page 7	Testing and coding

Fully compatible with vehicle management systems to activate all vehicle safety features

Type approved and built to OEM standards

Instructions are easy to follow

**Ryder Towing**

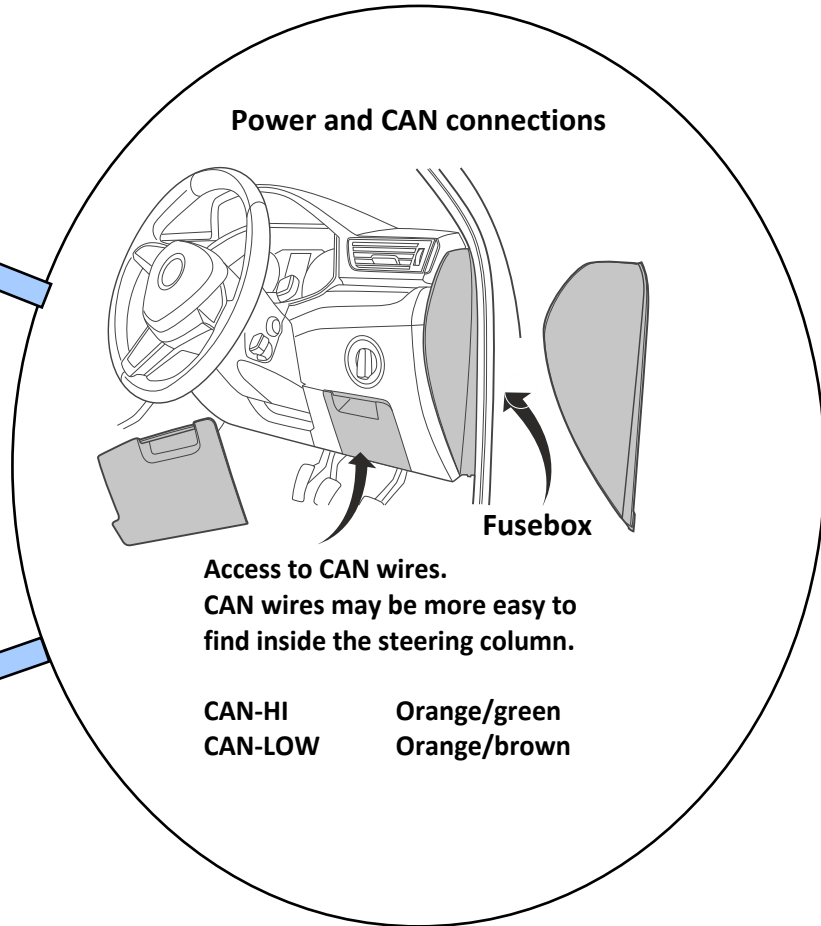
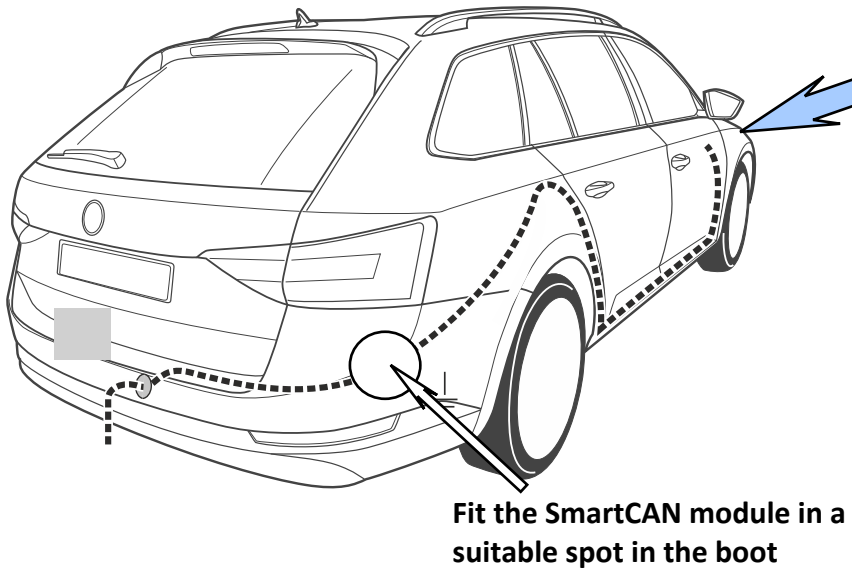
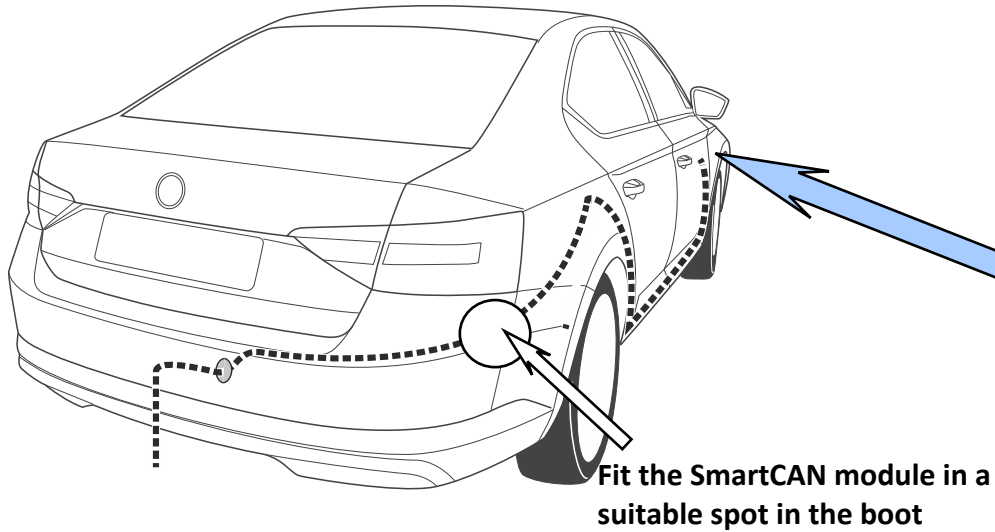
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# TF2352VAG

## Cable routing, CAN & power connections

### Cable routing - All

Skoda Octavia shown as examples

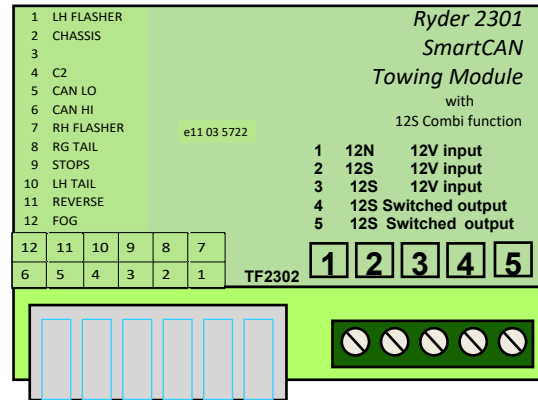


# TF2352VAG

## Power and Caravan Auxiliary, and CAN Hi/LO Detailed Connections

### Module loom detail

1	LH FLASHER	YELLOW	Socket yellow 1
2	CHASSIS	WHITE	Ring terminal to chassis
3			
4	C2	PINK	Buzzer
5	CAN LO	BLACK	Twisted pair to CAN
6	CAN HI	RED	
7	RH FLASHER	GREEN	Socket green 4
8	RH TAIL	BROWN	Socket brown 5
9	STOPS	RED	Socket red 6
10	LH TAIL	BLACK	Socket black 7
11	REVERSE	YELLOW/WHITE	13-pin 8 or 12S 1
12	FOG	BLUE	Socket Blue 2



- 1 12N 12V input** The fused input for the road lights (15 amps)
- 2 12S 12V input** One of two connected inputs for the caravan auxiliary function
- 3 12S 12V input** Second of two connected inputs for the caravan auxiliary function. Use this for the unswitched caravan output
- 4 12S Switched Output** Two switched outputs for the caravan fridge.
- 5 12S Switched output** Having two outputs reduces voltage drop

The caravan auxiliary supply is controlled by the CAN system, using the engine revs. This means its function is not impaired if the vehicle has "Smart" charging.

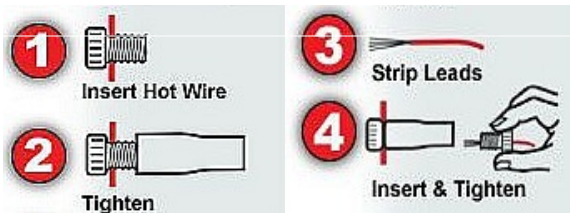
USE ONE OR TWO POWER TAPS TO TAKE POWER FROM THE FUSEBOX



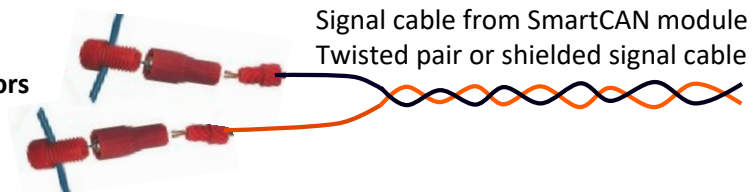
- USE ONE POWER TAP FOR A (12N) INSTALLATION (7 OR 13-PIN)
- USE TWO FOR A DOUBLE (12N+12S) INSTALLATION (TWIN 7 OR 13-PIN)
- FUSE THE 12N CONNECTION 15 AMPS AND THE 12S CONNECTION 20 AMPS

### Use Posi-Taps to make the connections to CAN HI and CAN LO

#### How Posi-Taps connect.



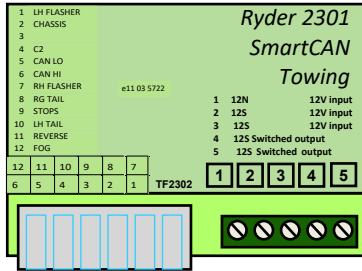
#### PosiTap connectors



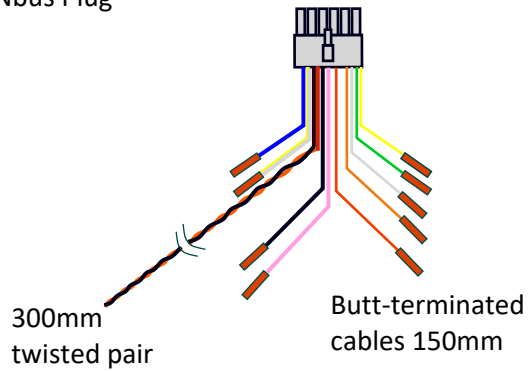
# TF2352VAG

## Kit Components

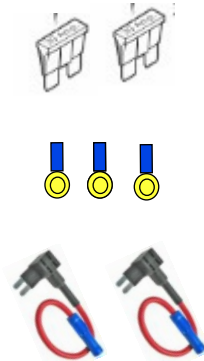
TF2301  
SmartCAN  
module



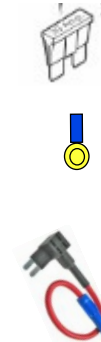
SmartCAN loom  
with CANbus Plug



13-pin socket  
assembly, 2 metres  
with  
1 x 15 amp fuse  
1 x 20 amp fuse  
and 3 ring terminals  
1 or 2 PowerTap



7-pin socket  
assembly, 2 metres  
with  
15 amp fuse and 1  
ring terminal  
1 PowerTap  
connector



### Power and CAN Cables

12N	5 metres 2mm <sup>2</sup> single cable
12S	5 metres 2.5mm <sup>2</sup> twin cable
CAN	5 metres shielded signal cable

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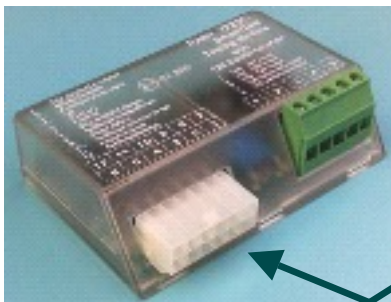
Spimin House, Beacon Road, Poulton-le-Fylde, Lancs, FY6 8JE 01253 881008

[www.rydertowing.co.uk](http://www.rydertowing.co.uk) [mail@rydertowing.co.uk](mailto:mail@rydertowing.co.uk)

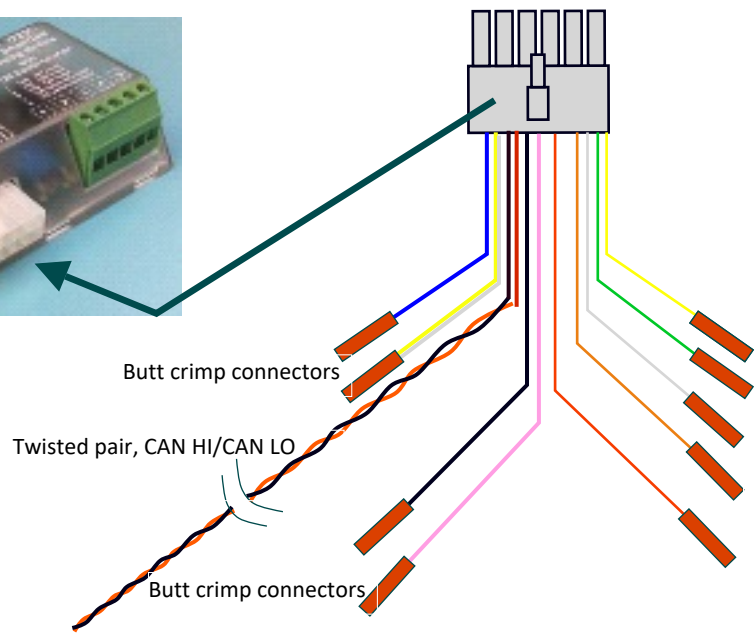
# TF2352VAG

## CANbus Connections

TF2301 CANbus module



12-pin plug and loom

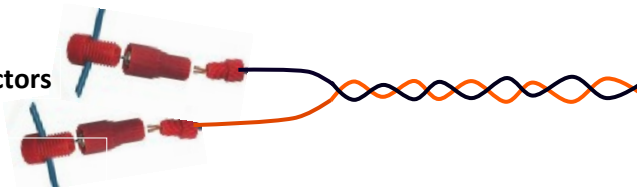


Module loom detail

1	LH FLASHER	YELLOW	Socket yellow 1
2	CHASSIS	WHITE	Ring terminal to chassis
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10	LH TAIL	BLACK	Socket black 7
11	REVERSE	YELLOW/WHITE	13-pin 8 or 12S 1
12	FOG	BLUE	Socket Blue 2

### Connections to CAN HI and CAN LO

PosiTap connectors



# Socket assemblies

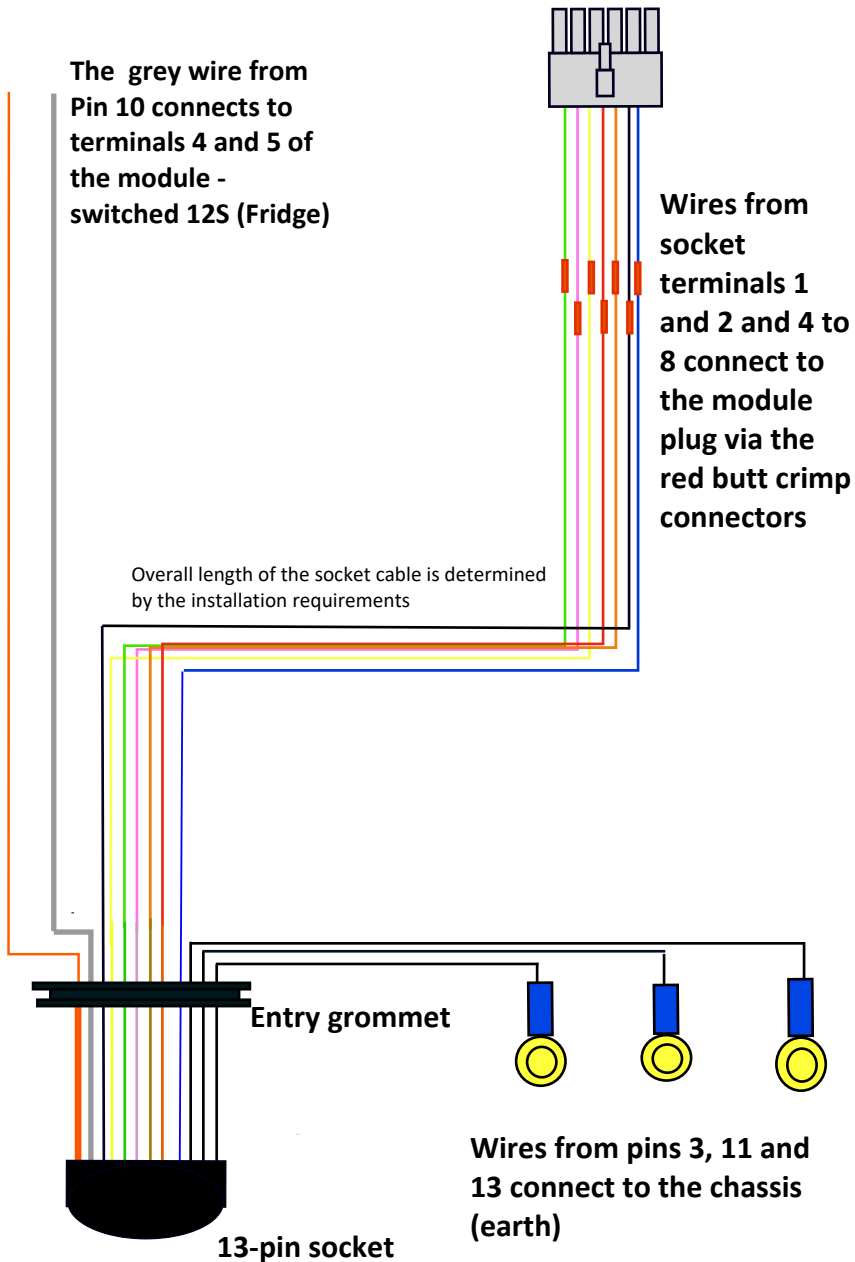
## 13-pin socket

The orange wire from Pin 9 connects to terminal 3 of the module - unswitched 12S (Interior lights/battery charging)

The grey wire from Pin 10 connects to terminals 4 and 5 of the module - switched 12S (Fridge)

Wires from socket terminals 1 and 2 and 4 to 8 connect to the module plug via the red butt crimp connectors

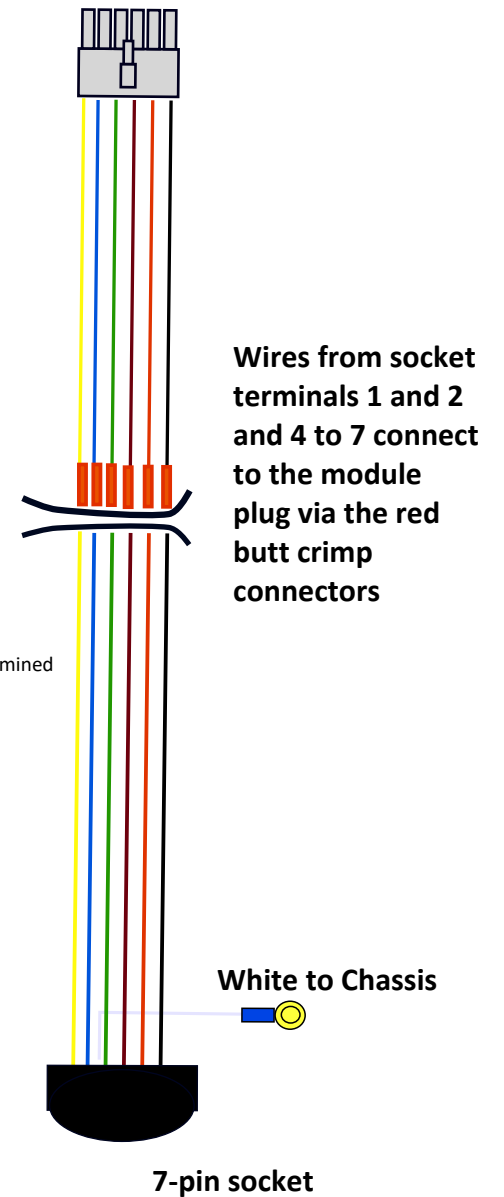
Overall length of the socket cable is determined by the installation requirements



## 7-pin socket

Wires from socket terminals 1 and 2 and 4 to 7 connect to the module plug via the red butt crimp connectors

Overall length of the socket cable is determined by the installation requirements



## Testing and Coding

With the engine both running and at rest, test all functions

Recoding adds: Dashboard C2 and PDC cut off

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