

TFC2 Data Sheet

Fog Cut-out Relay

This relay is designed to switch off the fog lamp(s) of a towing vehicle when the fog lamp of a towed trailer is on. The reason for turning off the vehicle fog lamp is to avoid a distracting glare being reflected by the towed trailer, especially if the trailer is a caravan.

A fog cut-out relay is, in fact, a combined monitor and relay: the relay that switches off the towing vehicle's fog lamp is switched by a monitoring circuit that operates when it detects current flowing through it to the trailer fog lamp. The switched side is fitted in line in the vehicle fog lamp circuit and the monitoring side is fitted in the cable going to pin 2 of the vehicle's trailer socket.

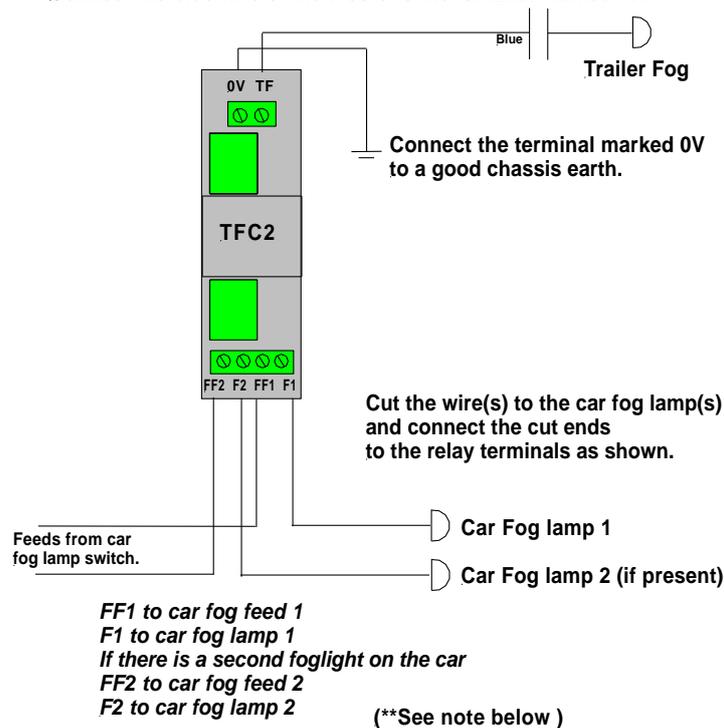
Where the diagram shows that you have to cut the vehicle's own wiring to install the relay in line, make sure you make the best possible connections to the relay's screw terminals.

The fog cut out relay will turn one or both of the vehicle's fog lights off if a trailer fog lamp is connected. When the trailer fog lamp is not present, the vehicle fog lights should work as normal.

Use a suitable test board to test the circuits. Make sure the vehicle's fog light(s) and the trailer fog lamp(s) are working correctly and that no warning lamps are showing.

TFC2: Fog cut out Relay Wiring instructions

Connect the blue wire of the 7-core to the terminal marked "TF"



**Important Note: Terminal FF2

If the car is likely to tow a trailer with two fog lamps but has only one fog lamp itself, it would be wise to bring an independent 12 volt supply to connect to terminal FF2 to supplement the supply to the fog lamps on the trailer.

NOTE: If you fit a TF2218/7EPIN bypass relay, that relay has a built-in fog cut-out function.

Trouble-shooting TFC2

Before fitting:

- Check how many fog lamps on the vehicle you wish to cut out
- Check fuse-loadings to the vehicle's fog lamp circuits to make sure one side can support two fog amps in case two are fitted to any trailer.