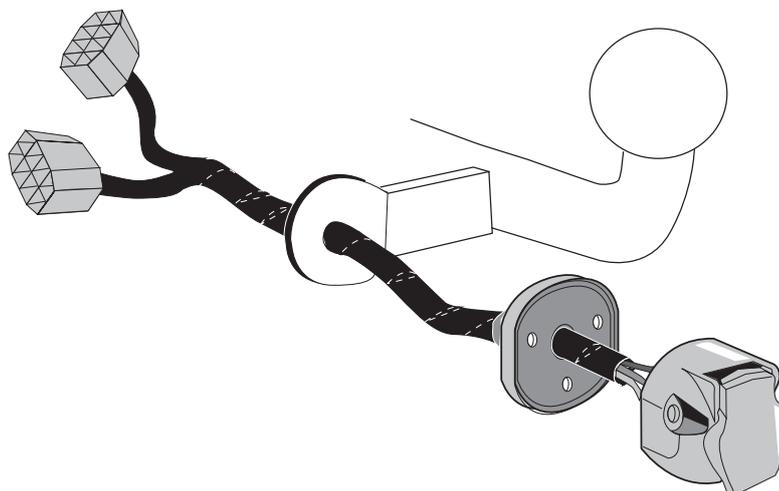


MITSUBISHI ASX 06/10 ->

Part No: MT-150-13

## Electric wiring kit for towbars / 13-pin / 12 Volt / ISO 11446 Fitting instructions



### IMPORTANT!

This electric kit has to be installed by a professional workshop or a suitable qualified person.

The installation instructions must have been read and fully understood before the start of any installation. Please contact your wiring kit provider or the hotline shown in the footer should you need assistance!

Make sure the vehicle is approved/homologated by the manufacturer to tow a trailer!

Also please check that there is a definite compatibility between this vehicle and the electric kit!

Following the installation of the electric kit, the fitting instructions should be kept together with the vehicle service document and vehicle handbook. The fitting instructions contain important information relating to the use and function of the towing kit as well as for any diagnostic or activation process, that might have to be repeated in the future (e.g. after the performance of a vehicle software update).

All warranty claims will be forfeited if the electric kit or components contained therein are used incorrectly or modified. If a towing socket adaptor has been used to connect to the trailer or bike rack, this must be removed from the trailer socket once the trailer or bike rack has been disconnected.

If the trailer or bike rack is not equipped with a rear fog lamp, depending on the towing vehicle type, the correct function of the towing kit cannot be guaranteed. In such cases, a rear fog lamp should be retro fitted.

This towing electric kit will not be covered under warranty if any technical or electrical modifications or software updates have been performed by the vehicle manufacturer after the initial commissioning of the kit. That applies especially to modifications or updates which may cause malfunctions in the trailer socket or any other part of the trailer electrical equipment!

Depending on the type of trailer module used in this electric kit, diagnostic interrogation with the vehicle's electrical system may be limited or will not function. The error memory inside the trailer module may not be able to be accessed by vehicle manufacturers diagnostic system.

Error logs relating to the trailer electrical equipment, that may be generated in the vehicle manufacturers diagnostic system as a result of a test procedure, may be due to the incorrect installation of the towing electric kit or the false activation of the trailer module.

**We always recommend whenever possible, the following troubleshooting process:**

→ **An analysis of the vehicle's error memory and possibly clearing of all faults before the start of the installation!**

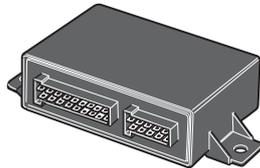
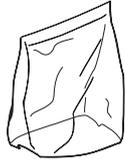
→ **Try disconnecting the trailer module from the towing harness and re-start the fault clearing process!**

→ **If in doubt, limit the time for troubleshooting to a max of 0,5 hours and call our Technical Support Team!**

Please follow our instructions carefully and always test the towing electrics using a true lighting board or a specifically designed bulb tester. If an LED tester is used, ensure it is equipped with correct load resistors or malfunctions will occur!

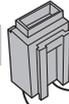
This instruction is subject to changes and we reserve the right to make changes to design, colour etc.

All of the data and illustrations may not be an exact representation but the text contained in this instruction must be observed!



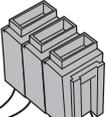
M

U2



U3

U5

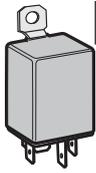


U1

U4



U6



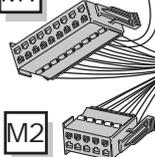
A

E



B1

M1



A1

C



T

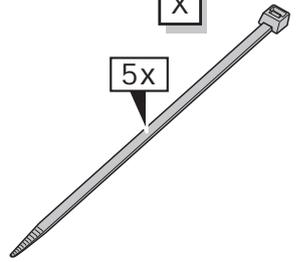
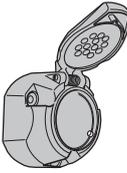
\*Optional

D

Pag. 12+13

X

5x



3x



3x



2x



1x



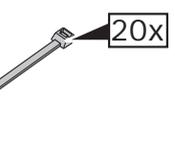
1x



4x



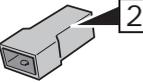
4x



20x



3x



2x



2x



3x



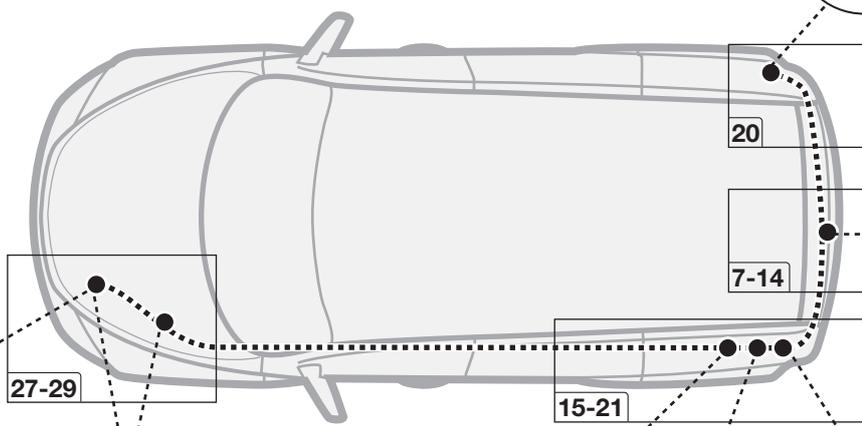
2x



6x



B

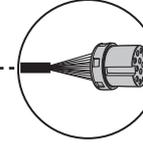
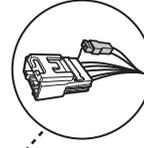
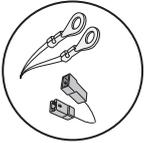
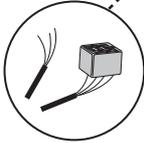
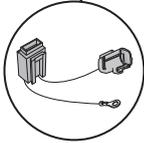
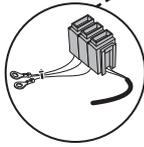


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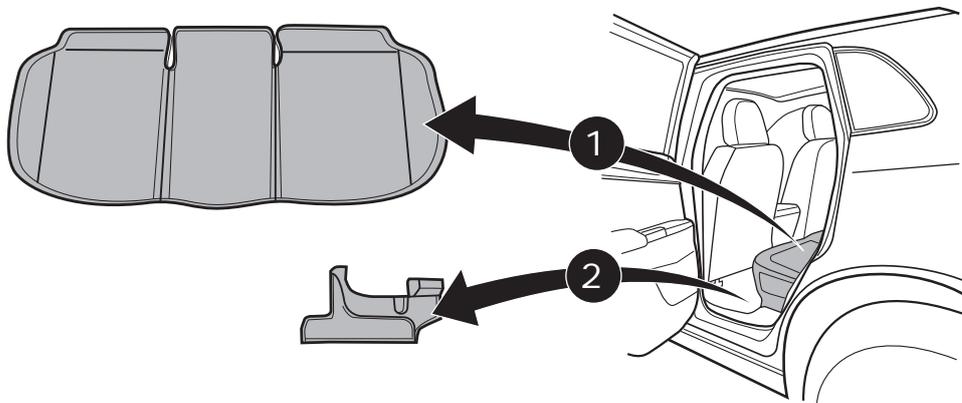
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15-21

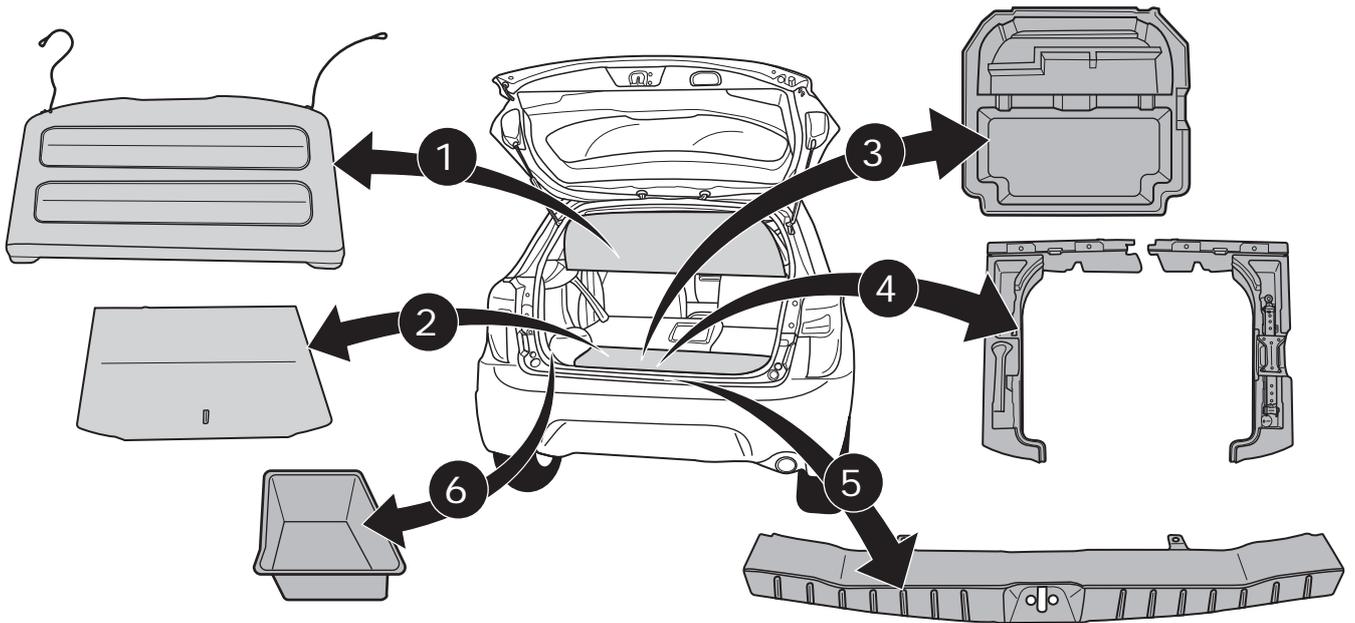
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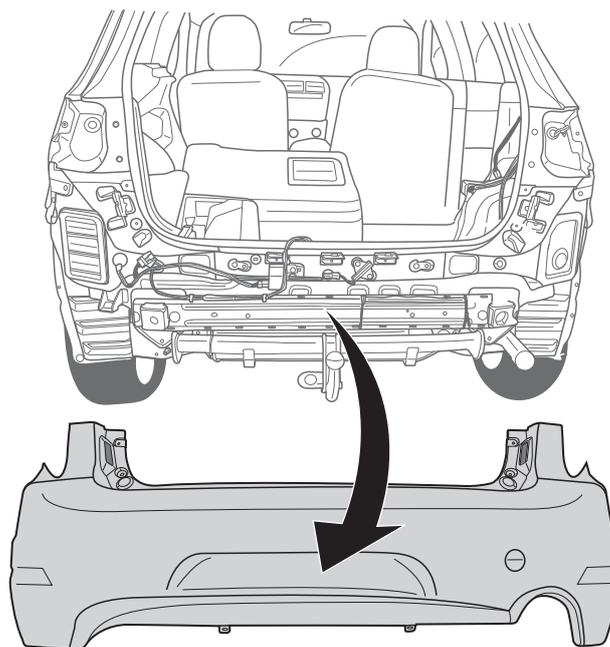




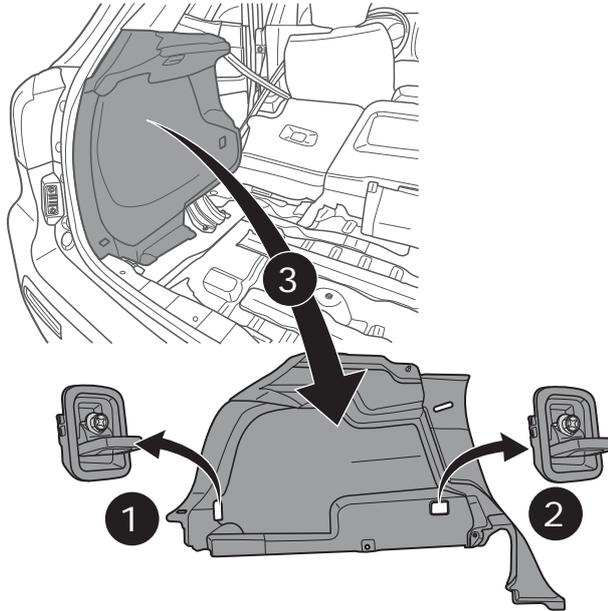
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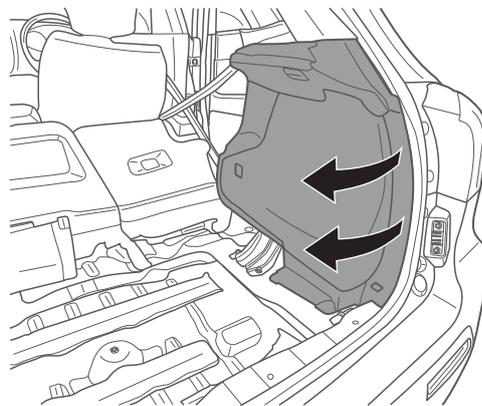
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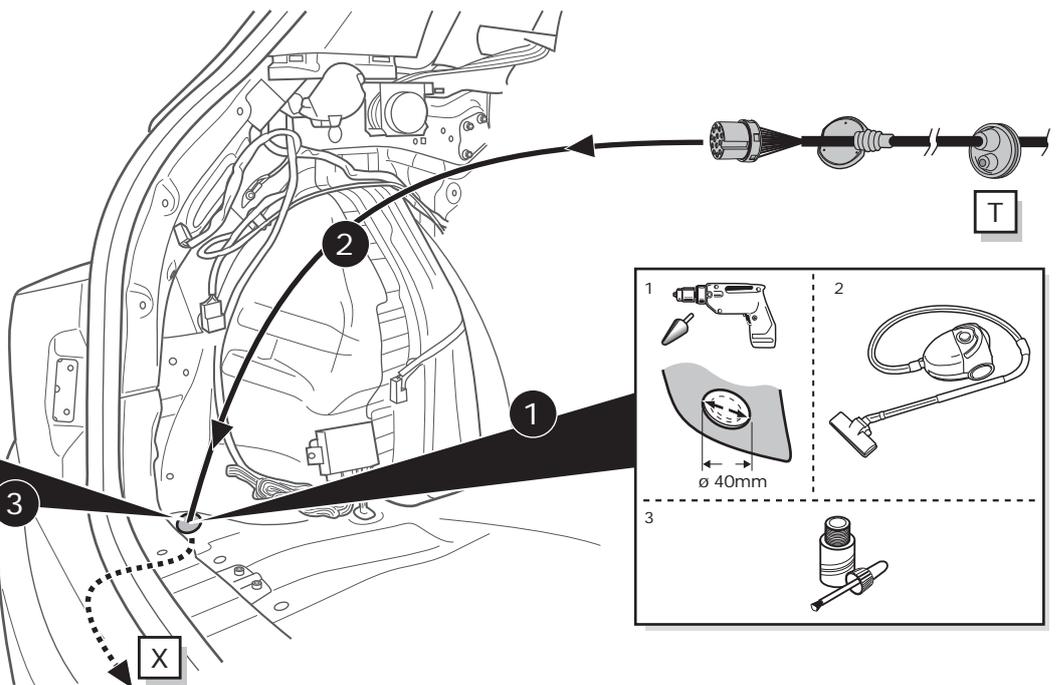
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5

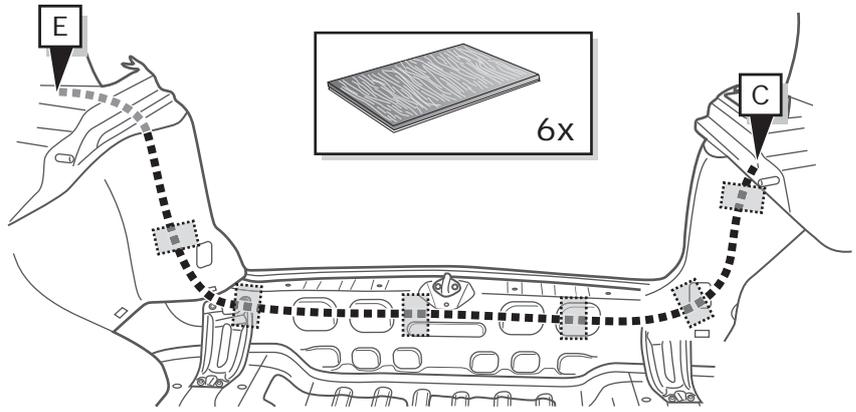
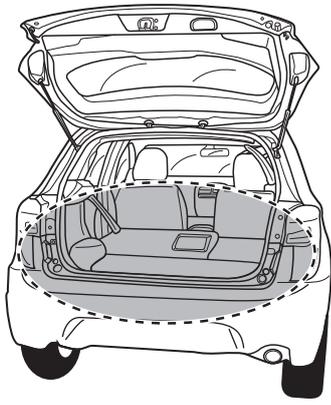


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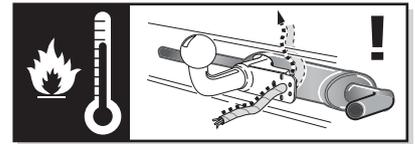
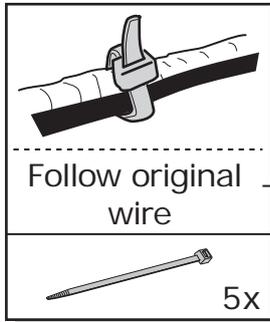
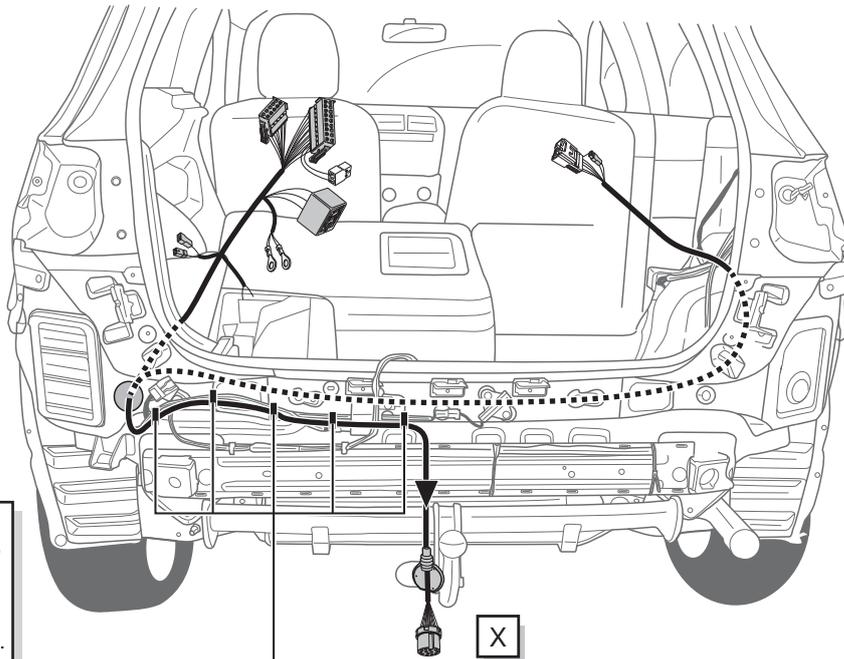


 **SEAL WITH SILICONE.**

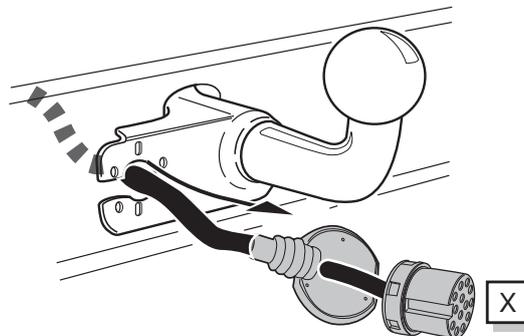
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8



9

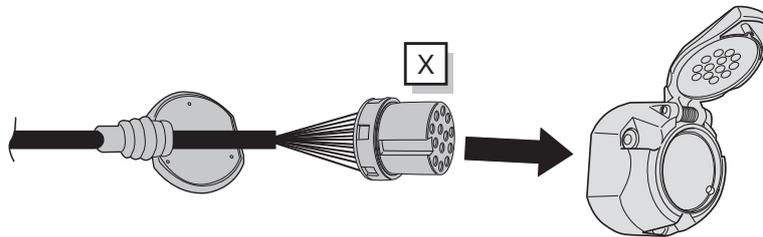


10

# SOCKET CONNECTION

DIN/ISO 11446													
	1/L	2	3/31	4/R	5/58-R	6/54	7/58-L	8	9	10	11	12	13
Pmax	21W	42W		21W	52W	3x21W	52W	42W	240W	180W			
Colour	Yellow	Blue	White	Green	Brown	Red	Black	Pink	Orange	Grey	White/Black	-	White/Red

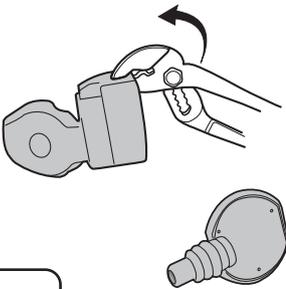
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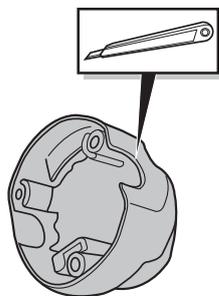
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Option 1

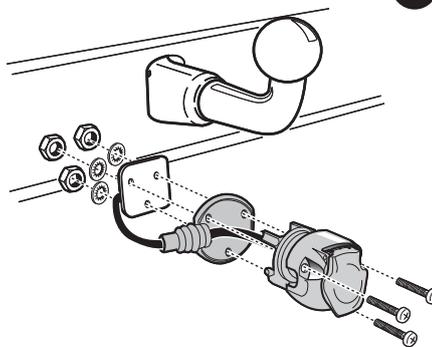
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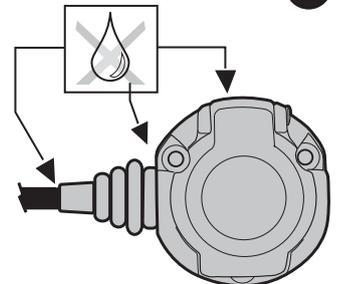
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3



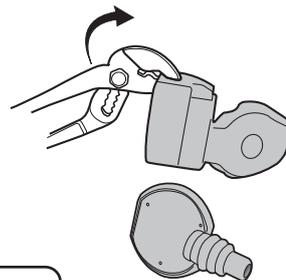
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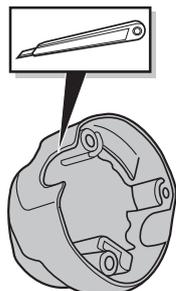
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Option 2

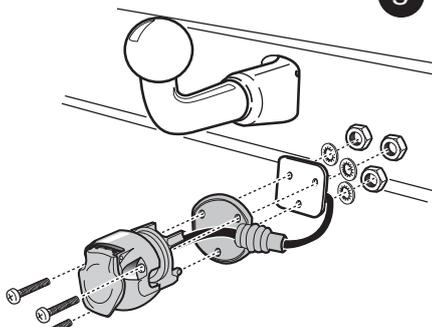
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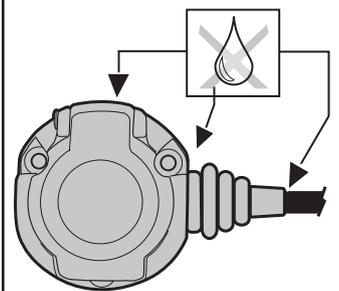
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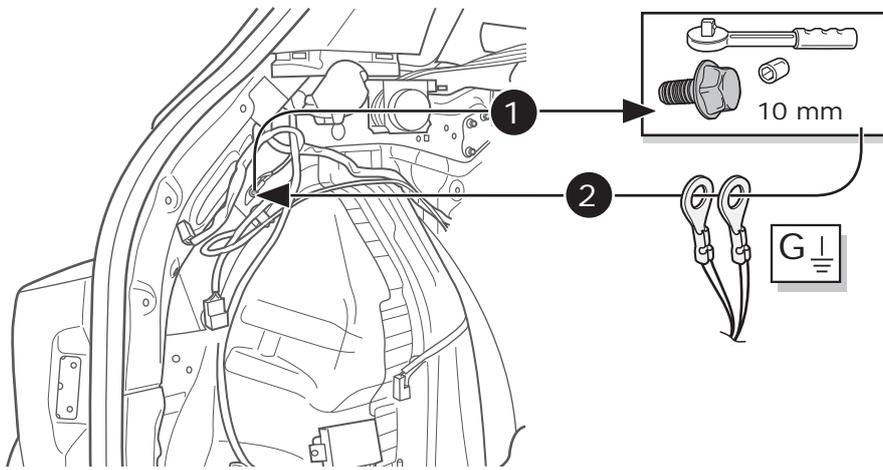
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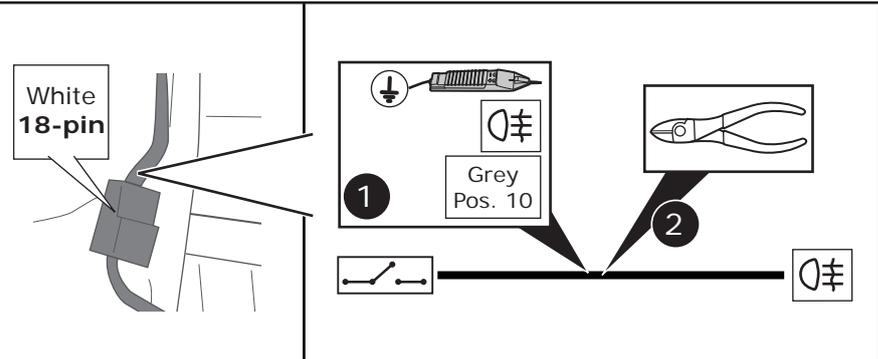
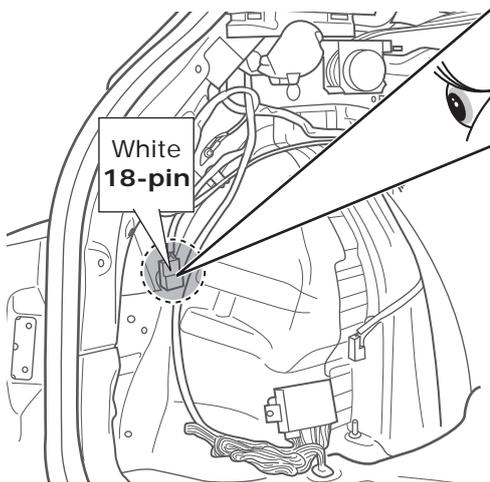
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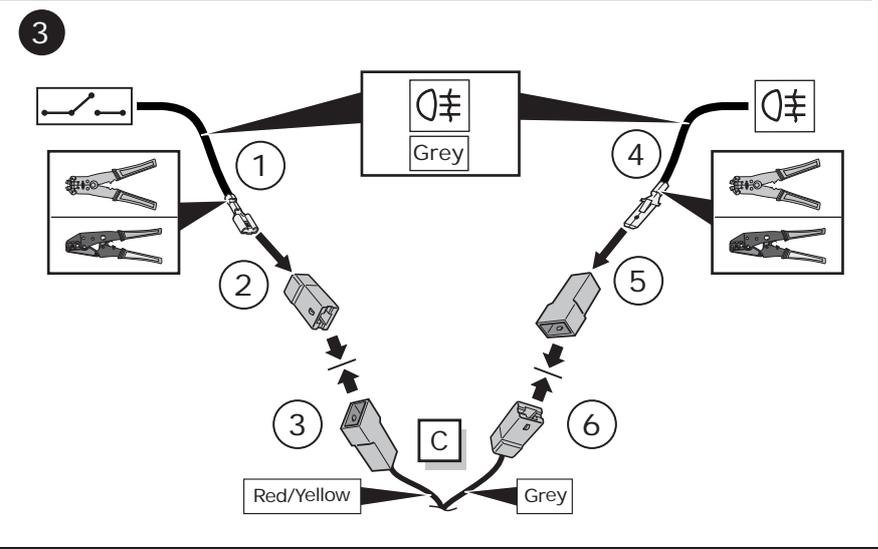
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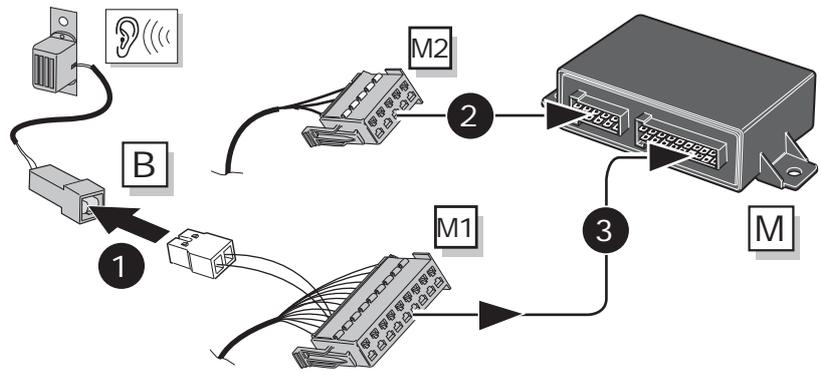
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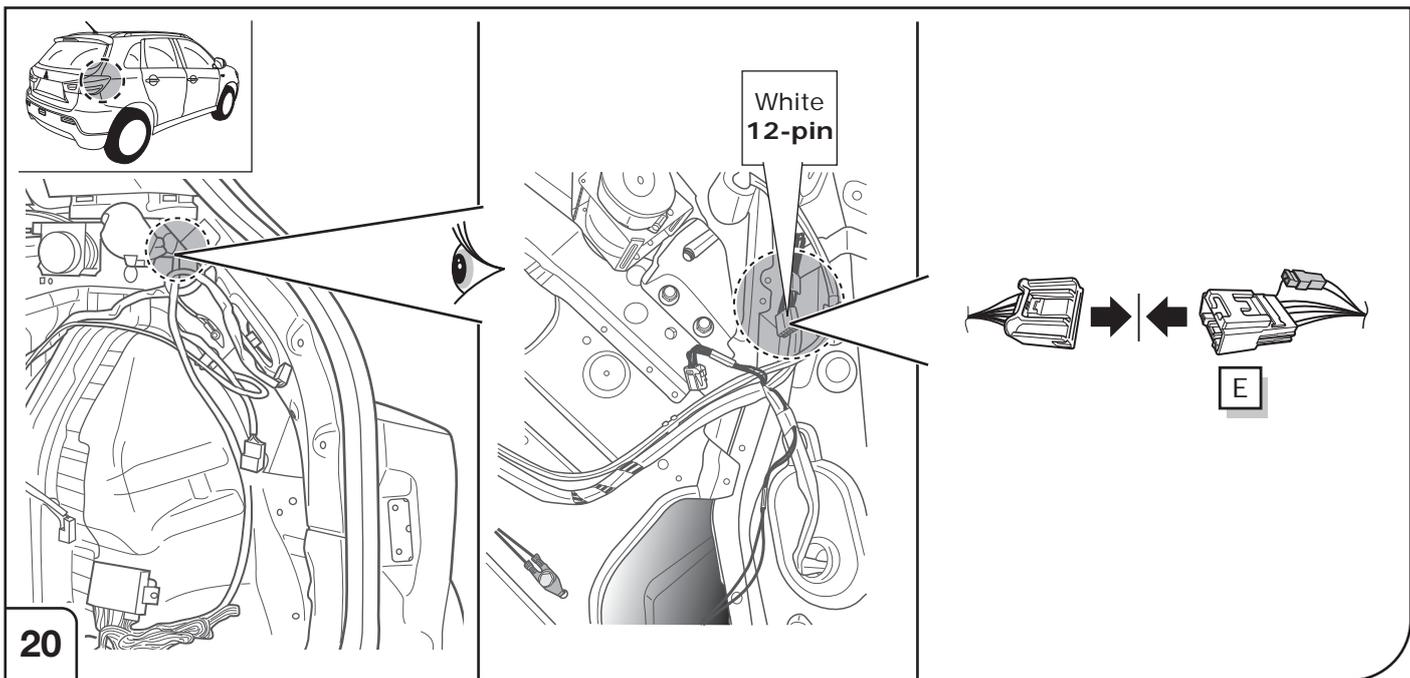
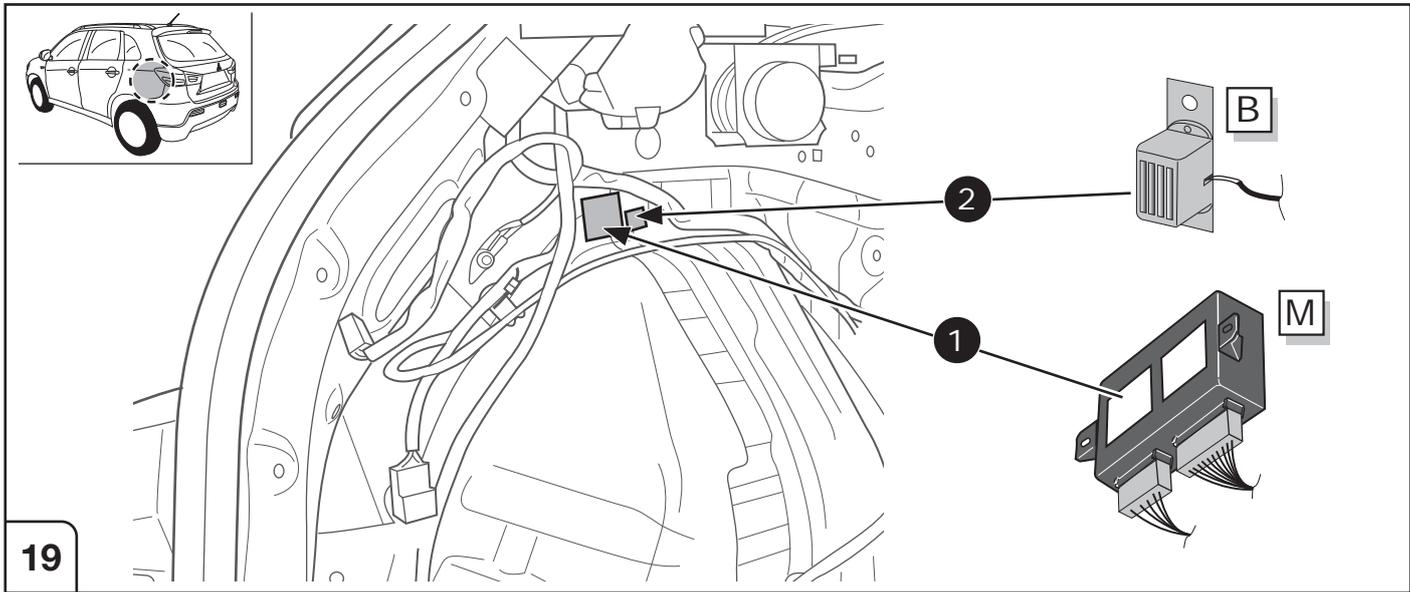
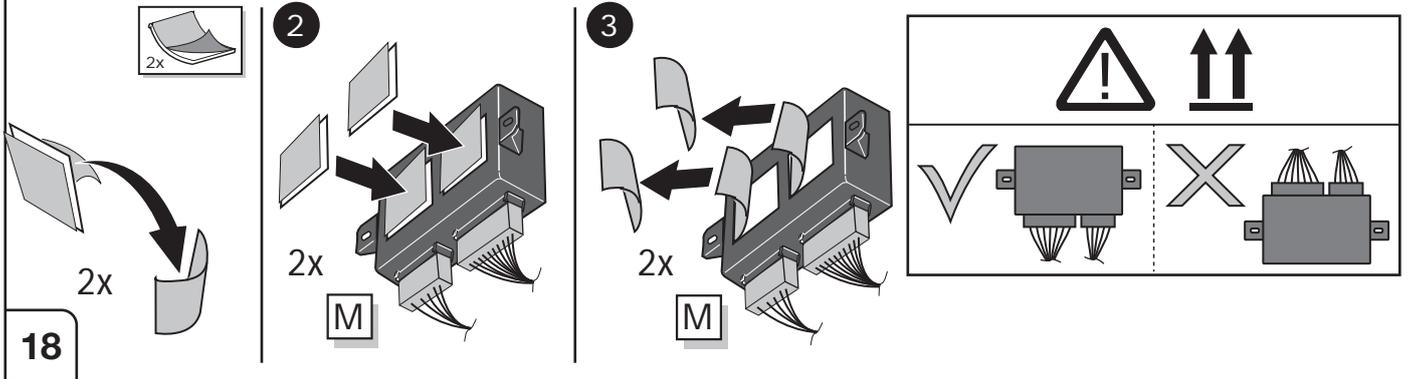
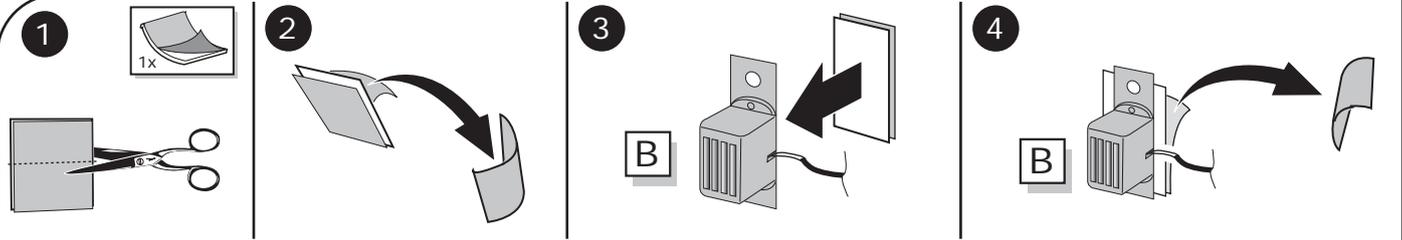


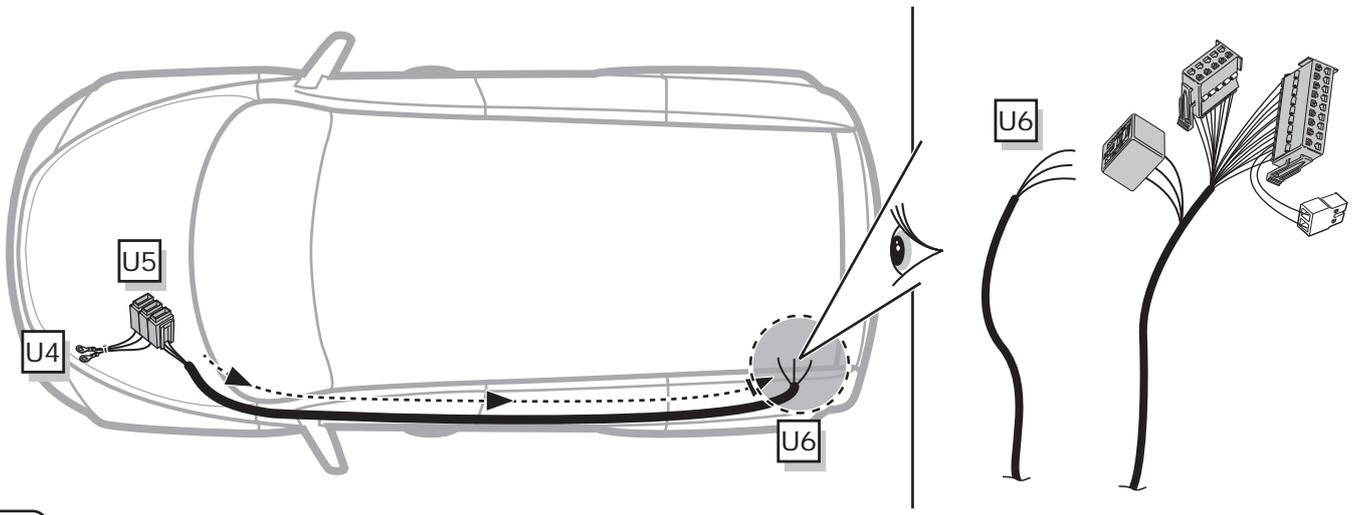
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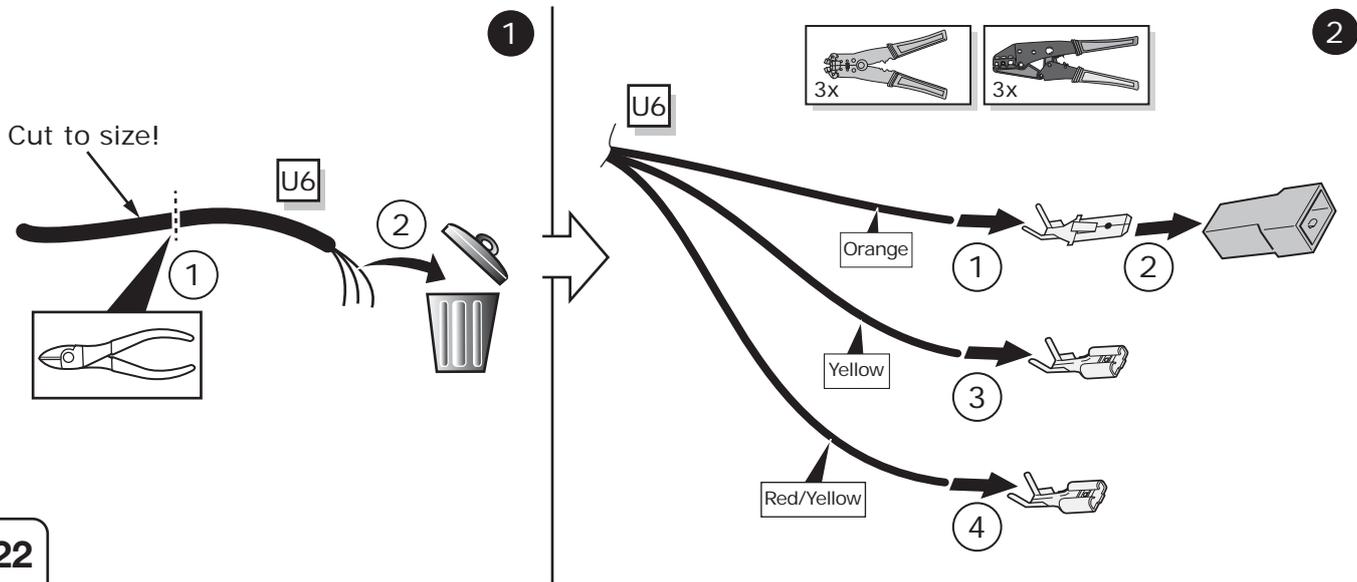
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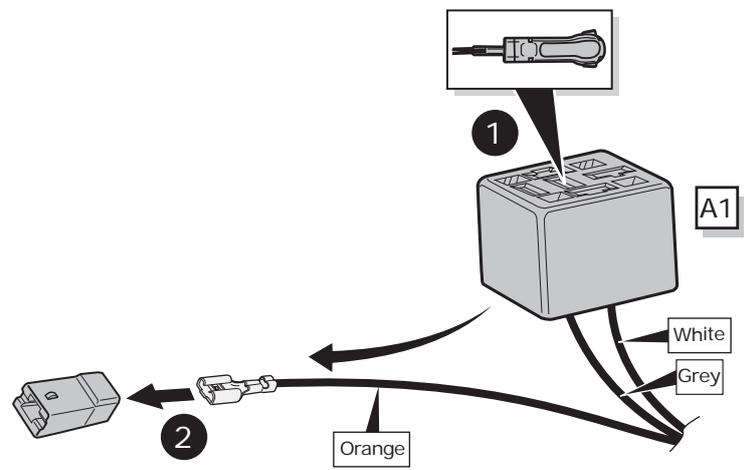
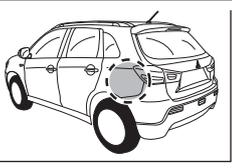




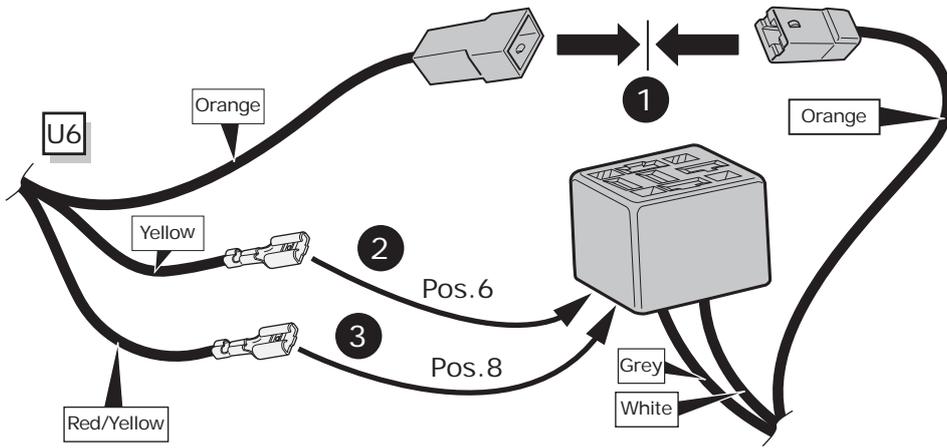
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22



23



**INFO**

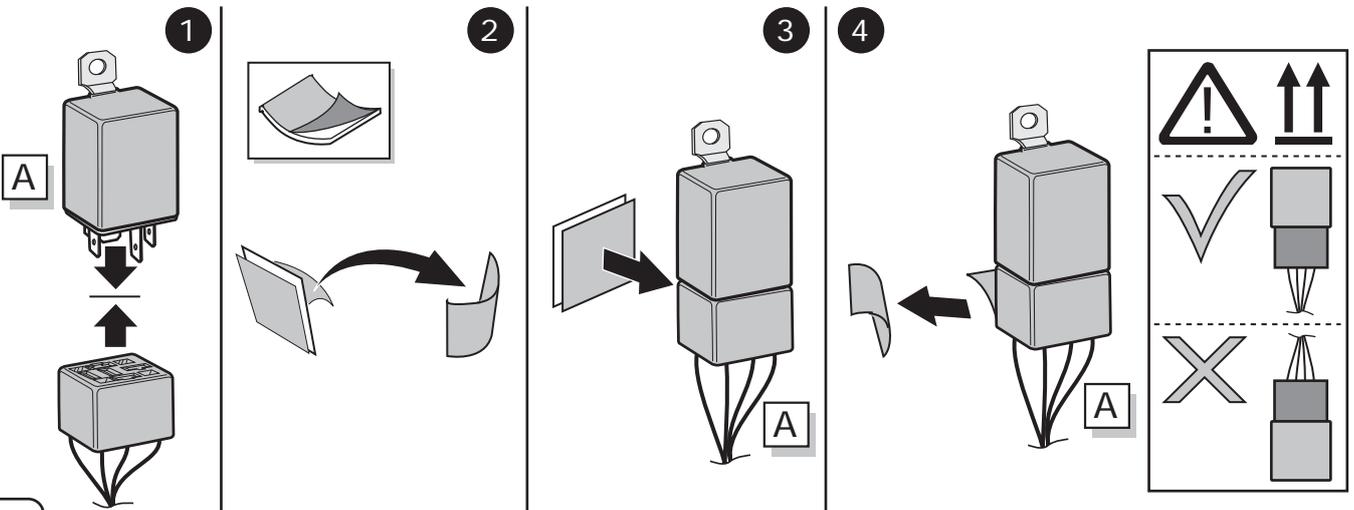
Rear view

	2	
4		6
	8	

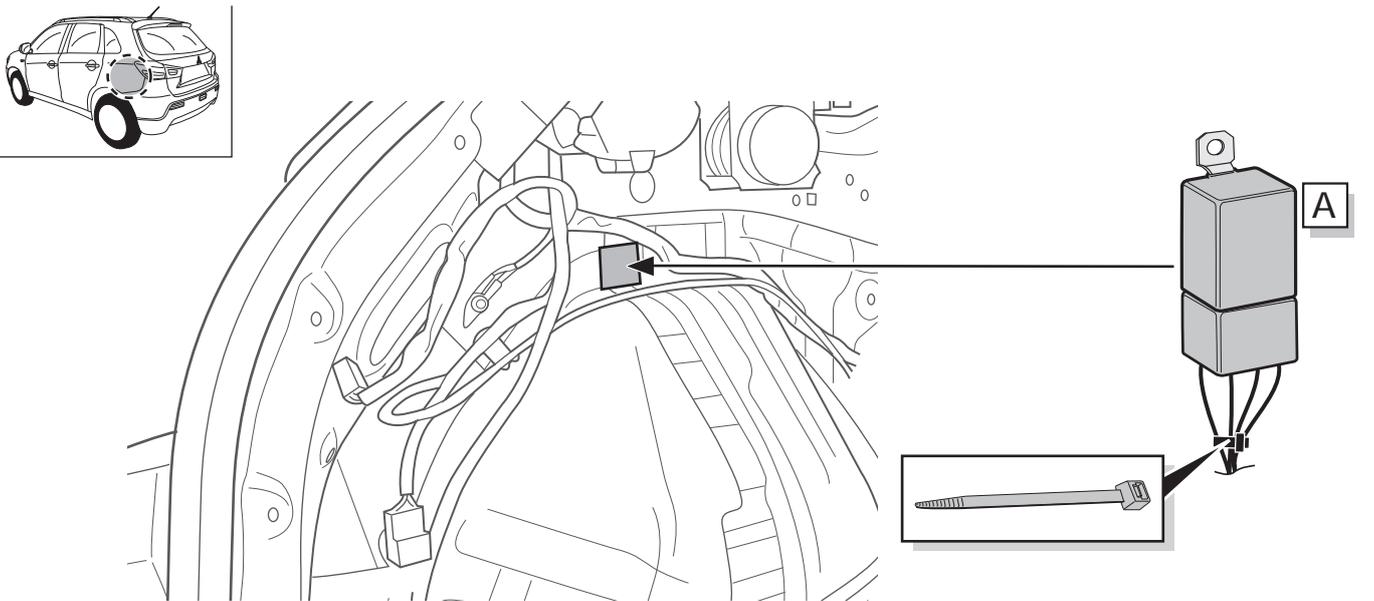
Pos. 6 → Yellow

Pos. 8 → Red/Yellow

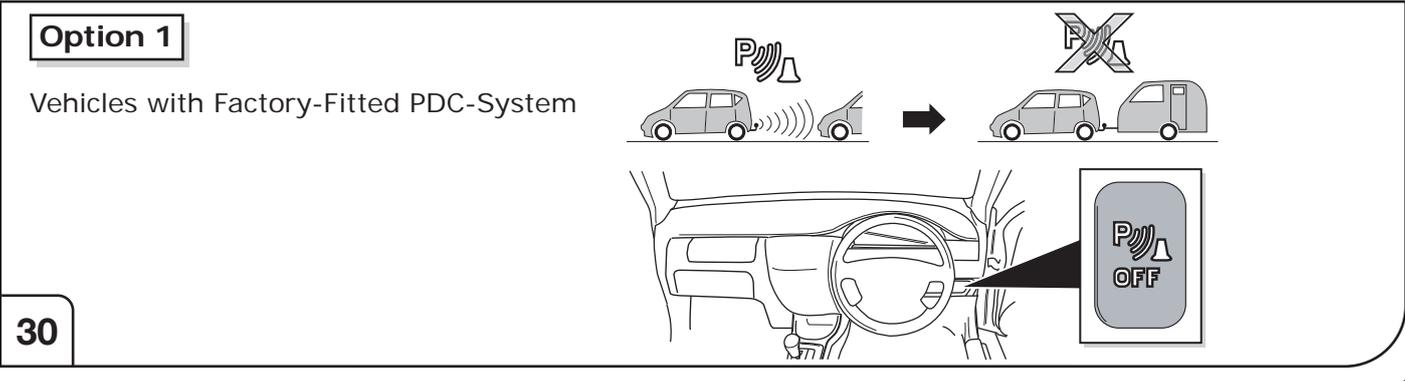
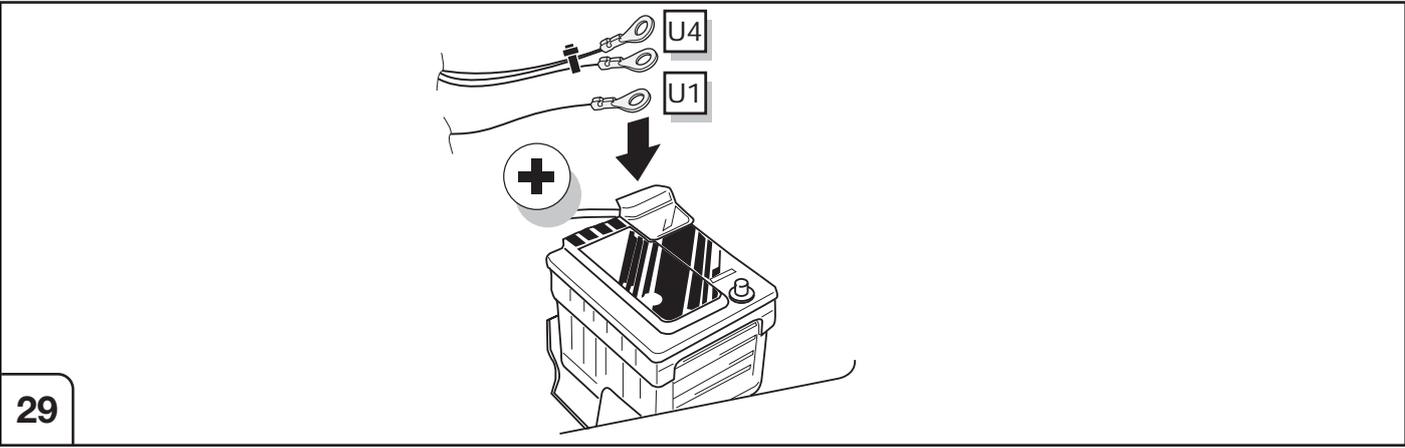
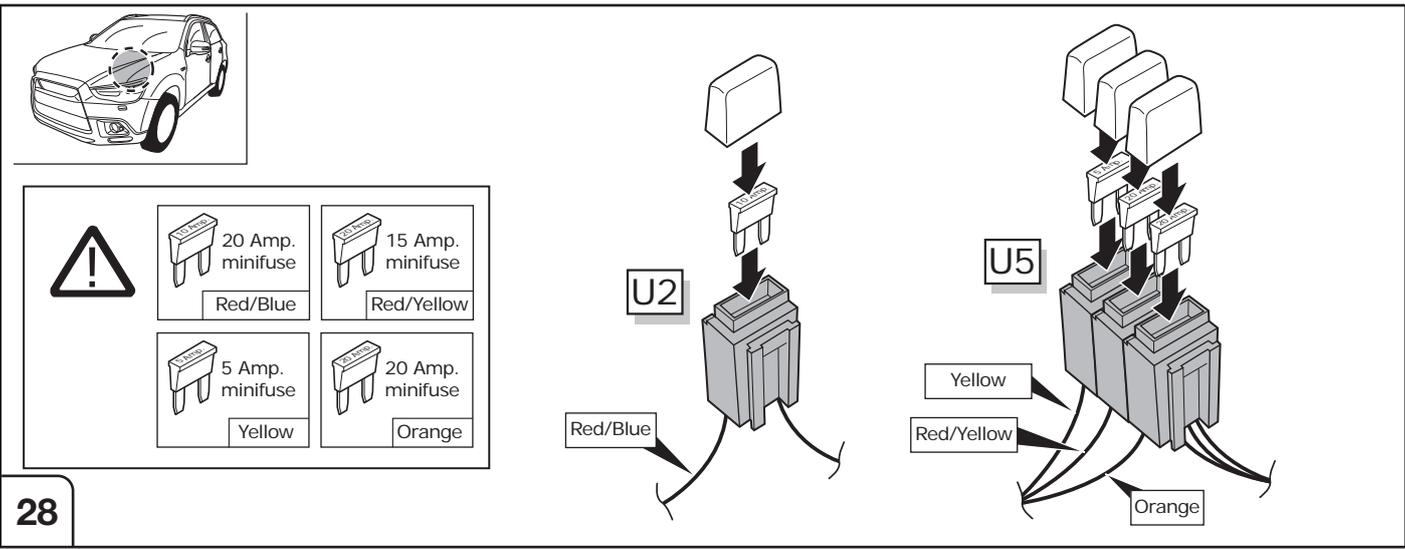
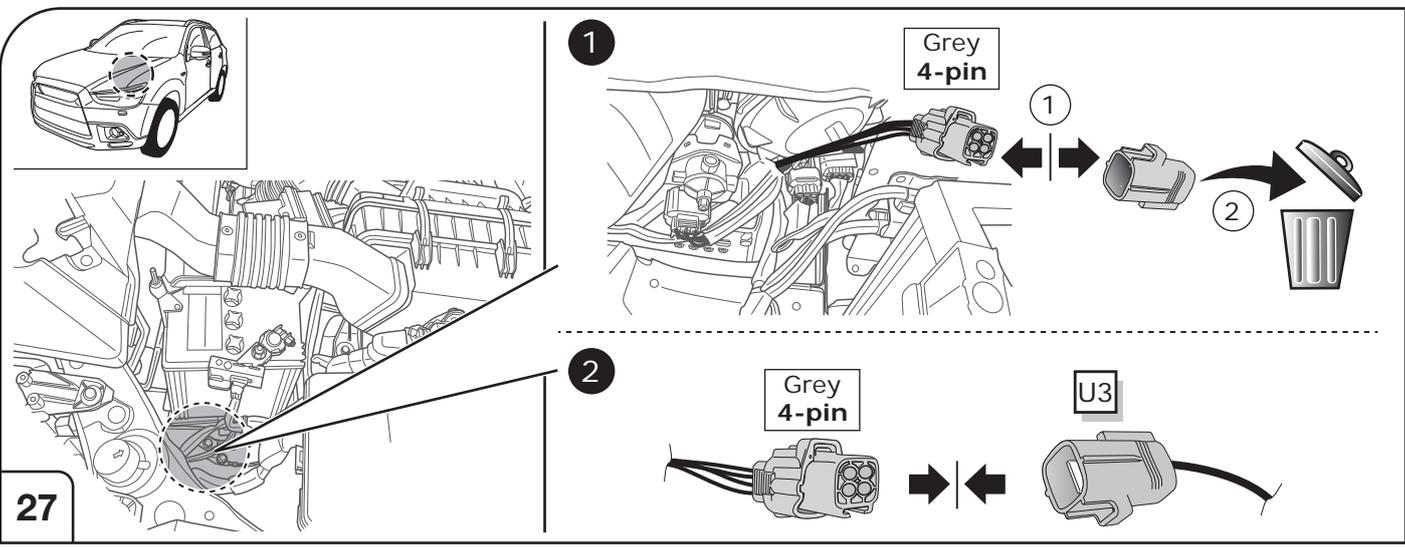
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25

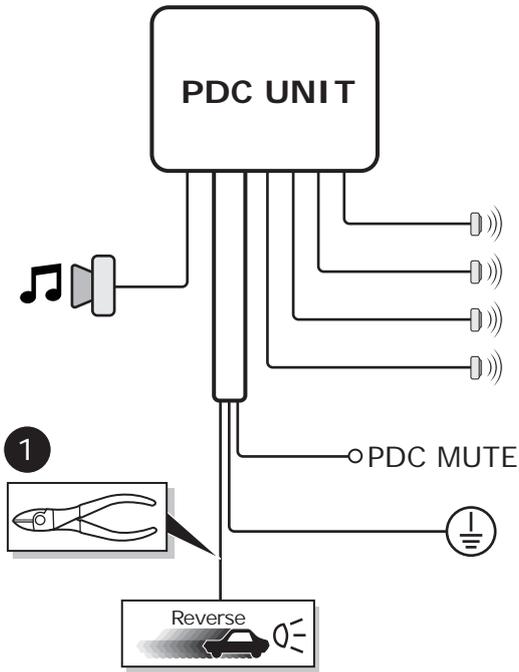


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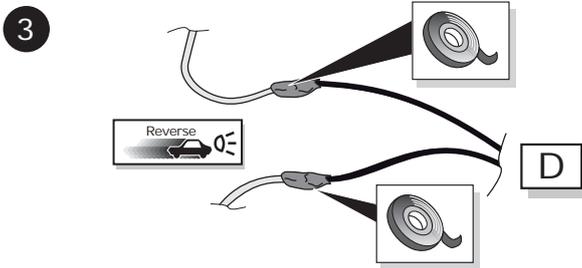
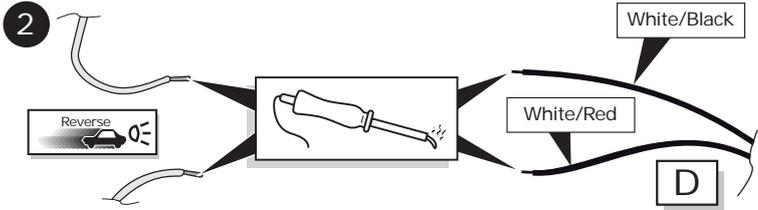
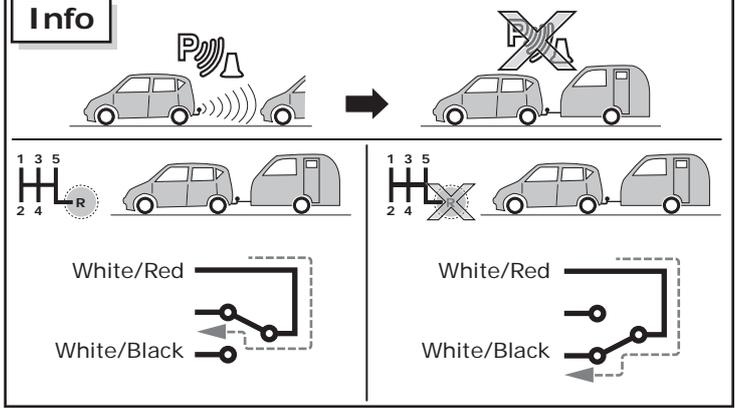
**Option 2**

Vehicles with After Market PDC-System!

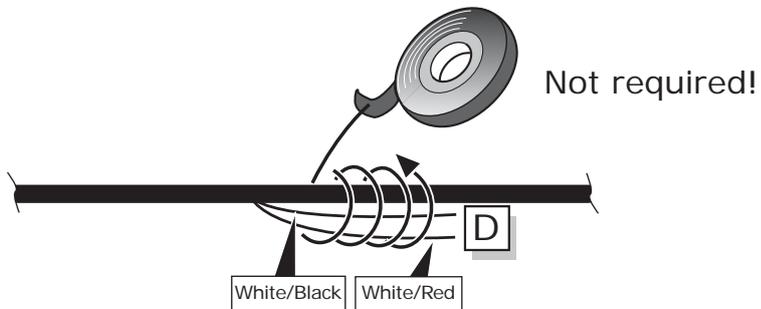


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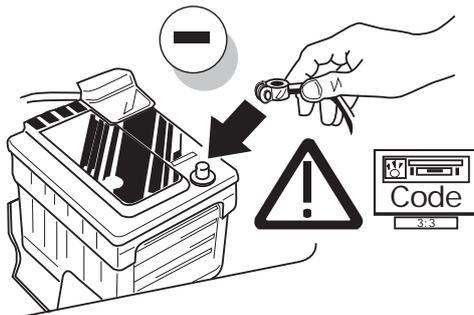
**Info**



- Vehicles with Factory-Fitted PDC-System
- Vehicles without any PDC-System

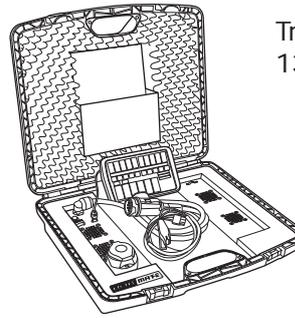


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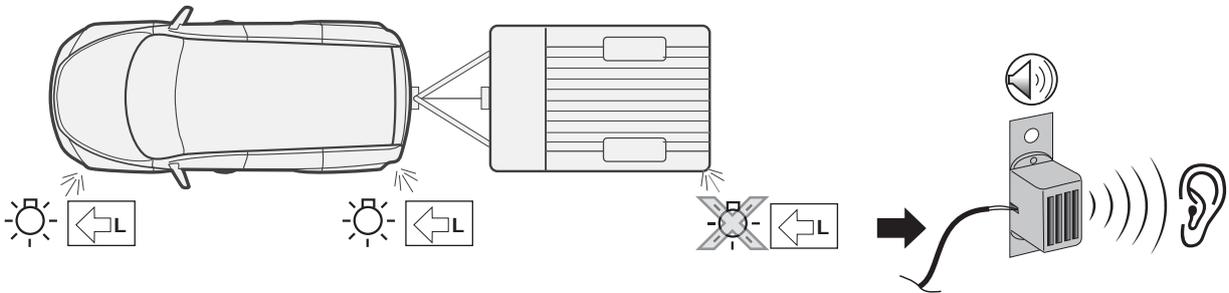
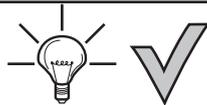
33

TEST ALL CIRCUIT FUNCTIONS WITH A TESTBOX WITH THE CORRECT POWER LOAD FOR EACH UNIT. A TESTBOX ON WHICH ONLY LEDs ARE USED CAN NOT BE USED IN THIS CASE

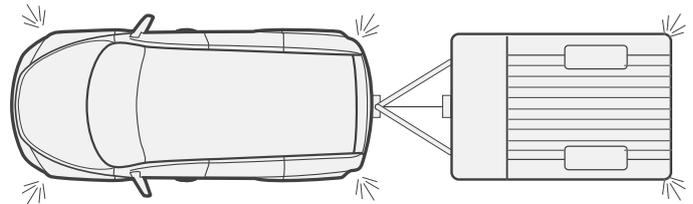
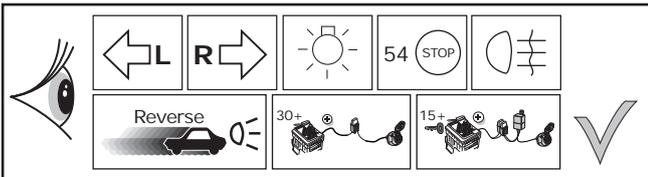


Trailer Simulator for 7- and 13-pin Sockets

34



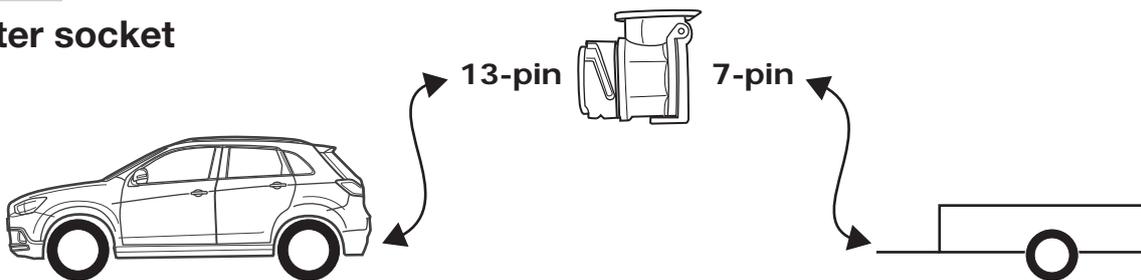
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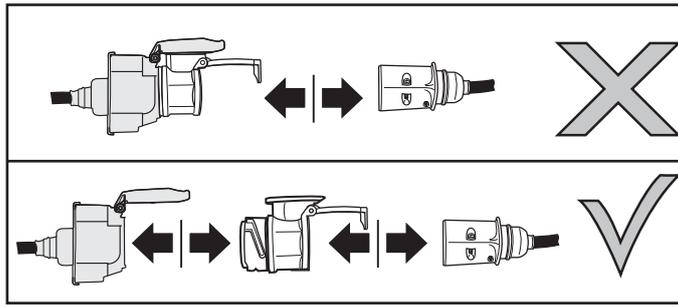
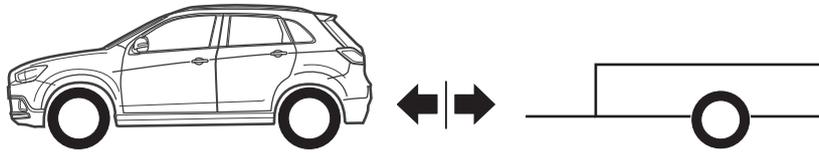
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Optional

Adapter socket

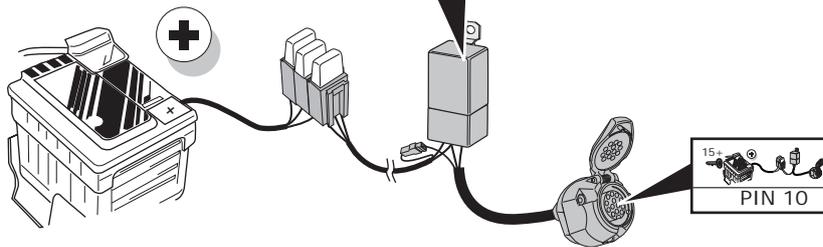
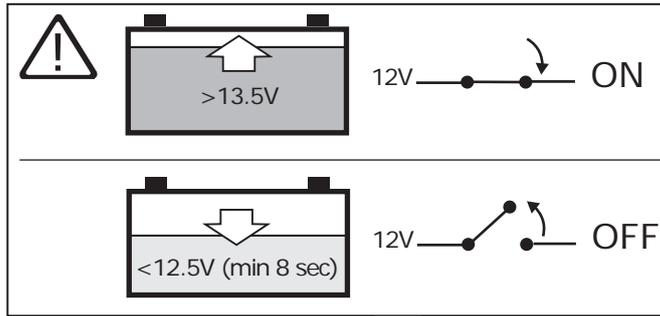


37



38

**INFO**



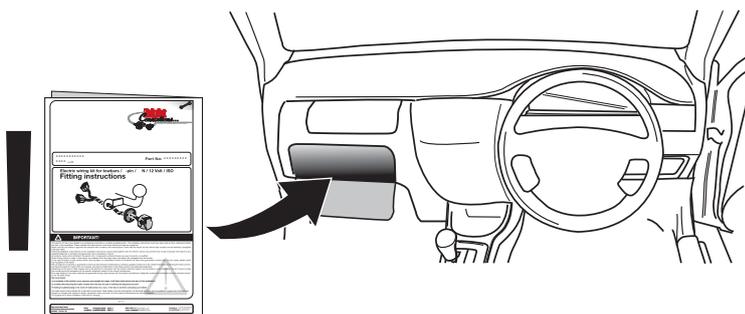
39

**IMPORTANT!**

The Voltage Control Module (VCM) in this kit is designed to be self switching at a pre-set voltage input. With the engine started, the switched output (e.g. caravan fridge or alternative), pin 10, will switch on at a preset figure of 13,5 volts.

When the engine is switched off, the switched output will remain live until the vehicle battery voltage drops to a preset figure of approx 12,5 volts.

**40** NOTE: The cut-off voltage depends on the condition of the vehicle battery, power consumption of the fridge etc. In all cases, the cut-off figure is preset so the vehicle engine can be started at any time.



41