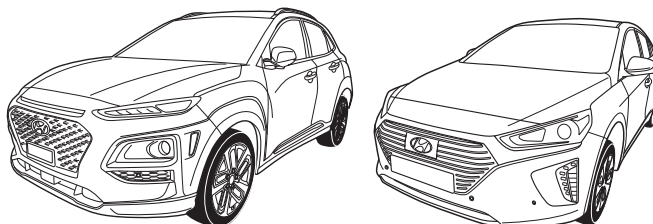




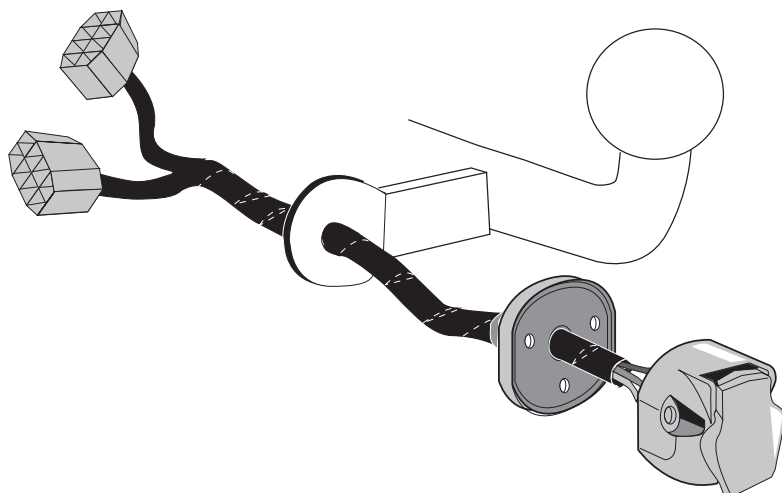
HYUNDAI Kona (OS)	11/2017 >>
HYUNDAI Kona (OS)	03/2021 >>
HYUNDAI Kona Electric (OS)	08/2018 >>
HYUNDAI Kona HEV	09/2019 >>
HYUNDAI Kona HEV	03/2021 >>
HYUNDAI Ioniq Electric (AE)	11/2016 >>
HYUNDAI Ioniq Electric (AE)	10/2019 >>
HYUNDAI Ioniq Hybrid (AE)	10/2016 >>
HYUNDAI Ioniq Plug-in Hybrid (AE)	07/2017 >>



Part No: KI-132-13MU

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.

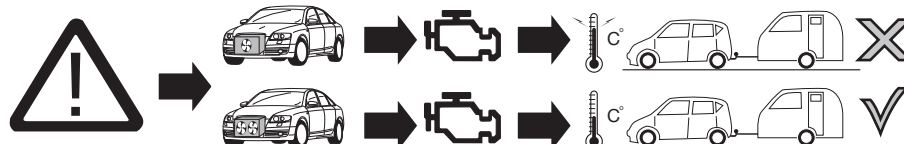
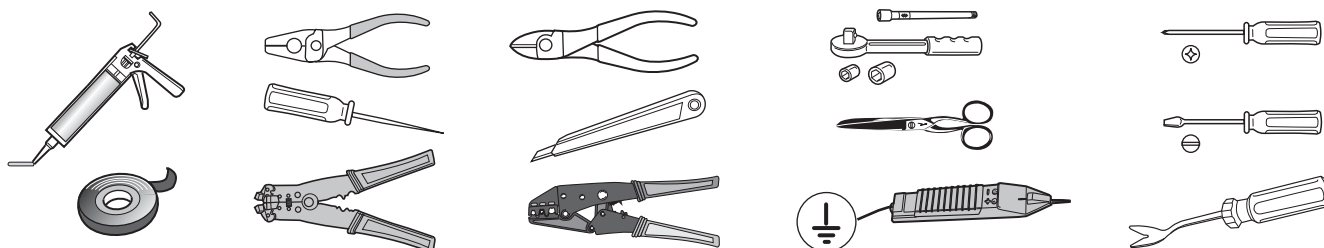
All of the data and illustrations may not be an exact representation but the text contained in this instruction must be observed!

SYMBOL EXPLANATION

	Left (58-L) respectively Right (58-R) tail light
54	Stop light (54) / high mounted, third stop light (54)
	Turn signal indicator left
	Turn signal indicator right
	Rear fog light(s)
	Reversing light(s)
	Permanent power supply / 13pin socket, chamber 9
	Charging wire for trailer battery / 13pin socket, chamber 10
	Trailer / trailer recognition
B+ / 30	Permanent current power supply
	Ground or Earth (31)
	Ground connection battery terminal lug
	Positive connection battery terminal lug

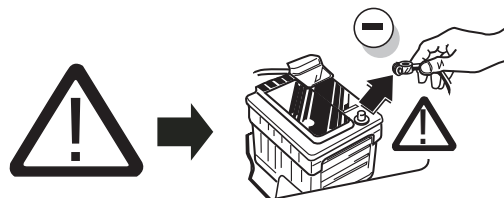
	Cigarette lighter / accessory socket
	Loudspeaker / buzzer
	Park Distance Control
	Switch / source of function
	Connect together
	Disconnect
	Look at / See further information
	Look carefully at selected area
	Present / Occupied / OK
	Not present / Not occupied / Not OK
	Acoustic indication
	Attention / important advice
	Fuse / fuse capacity 20 Ampère

TOOLS



ATTENTION!

The vehicle's cooling capacity may have to be increased when retrofitting a trailer coupling!
You must observe the manufacturer's instructions!!



Note: It may be necessary to check if this vehicle has a stored radio code before disconnecting the battery!



ATTENTION!

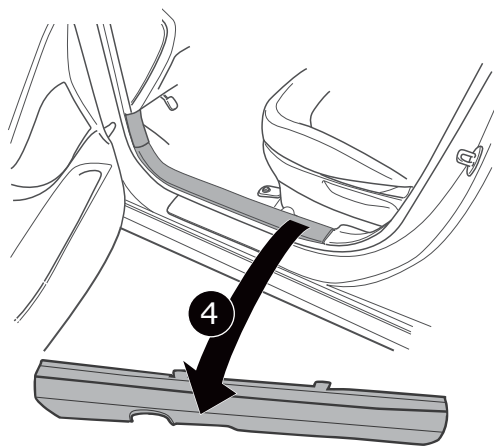
In order to avoid mal-functions and damage to the vehicle's electrical system the earth terminal **must be disconnected** from the vehicle's battery **before starting work!**

Both the trailer module and the vehicle's control unit for the electrical system can be damaged during work on the data bus connections if the battery is not disconnected!

Please pay attention to the manufacturer's instructions when disconnecting and reconnecting the vehicle's battery!

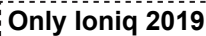
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All Models	
Model 1	Model 2
Model 3	Model 4
Model 5	Model 6
Model 7	Model 8
Model 9	Model 10
Model 11	Model 12
Model 13	Model 14
Model 15	Model 16
Model 17	Model 18
Model 19	Model 20
Model 21	Model 22
Model 23	Model 24
Model 25	Model 26
Model 27	Model 28
Model 29	Model 30
Model 31	Model 32
Model 33	Model 34
Model 35	Model 36
Model 37	Model 38
Model 39	Model 40
Model 41	Model 42
Model 43	Model 44
Model 45	Model 46
Model 47	Model 48
Model 49	Model 50
Model 51	Model 52
Model 53	Model 54
Model 55	Model 56
Model 57	Model 58
Model 59	Model 60
Model 61	Model 62
Model 63	Model 64
Model 65	Model 66
Model 67	Model 68
Model 69	Model 70
Model 71	Model 72
Model 73	Model 74
Model 75	Model 76
Model 77	Model 78
Model 79	Model 80
Model 81	Model 82
Model 83	Model 84
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Model 89	Model 90
Model 91	Model 92
Model 93	Model 94
Model 95	Model 96
Model 97	Model 98
Model 99	Model 100



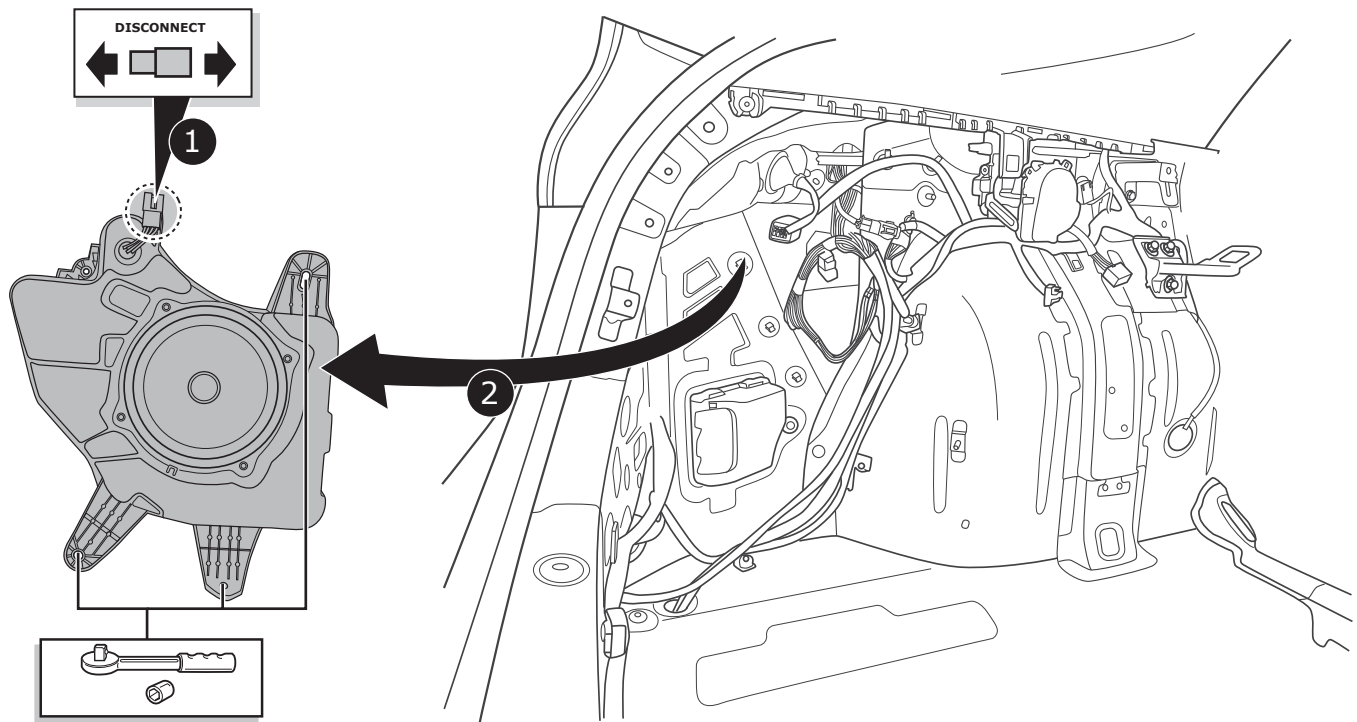
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Ioniq

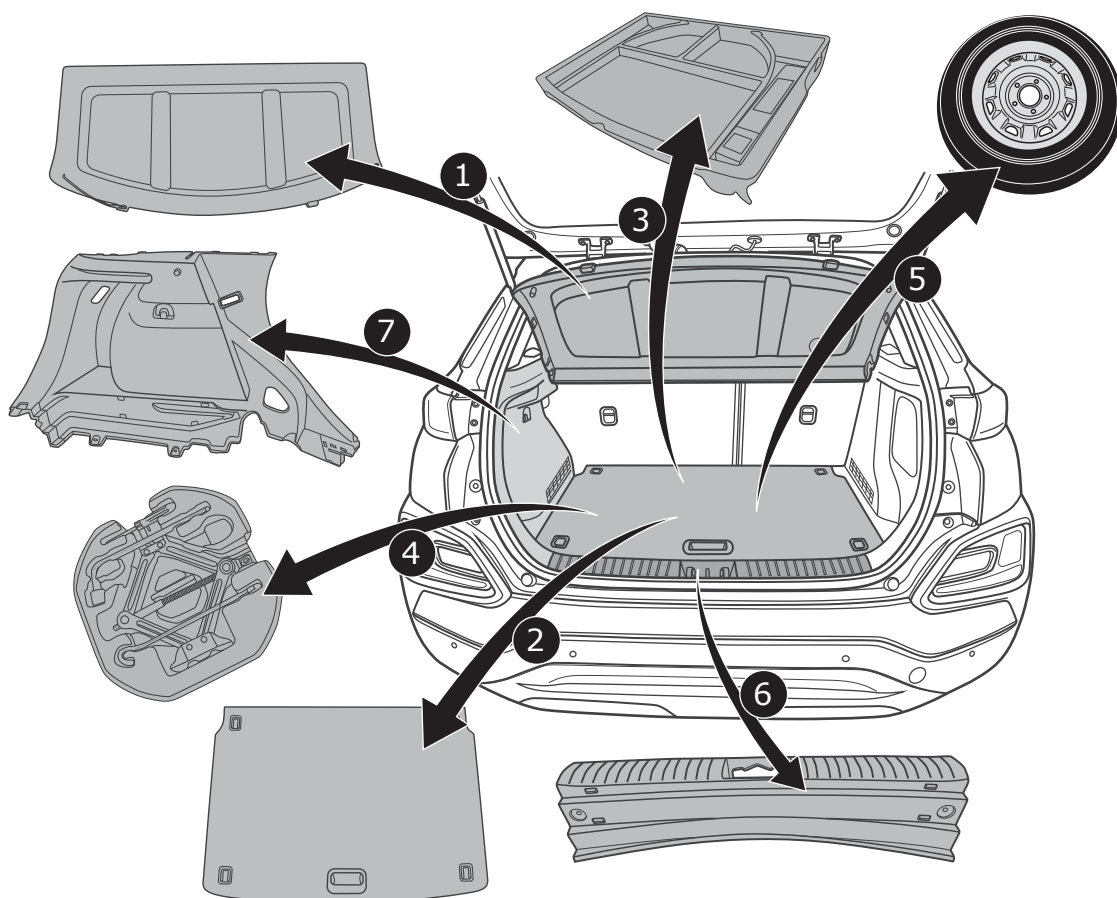


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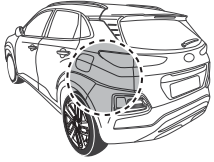
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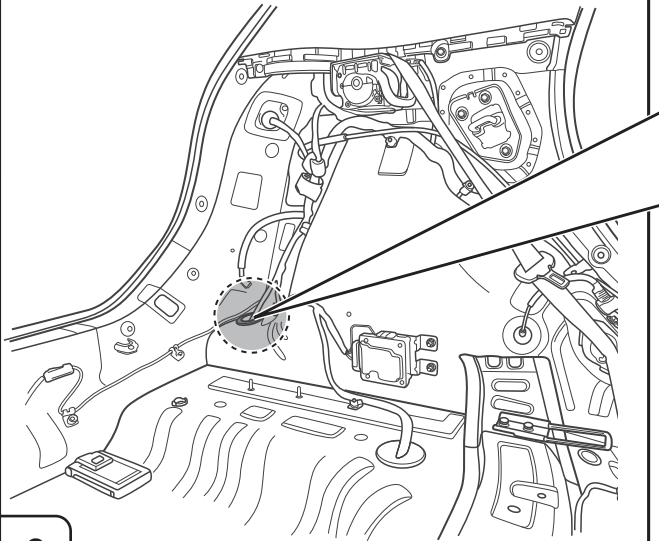
Kona



Kona

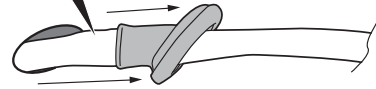


Option 1



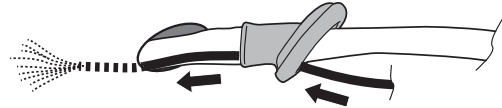
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Remove tape.



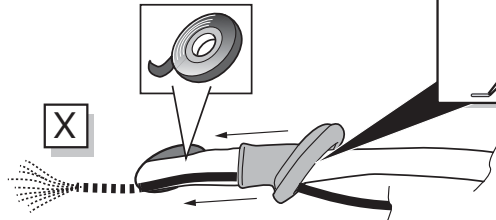
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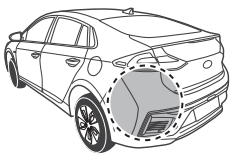
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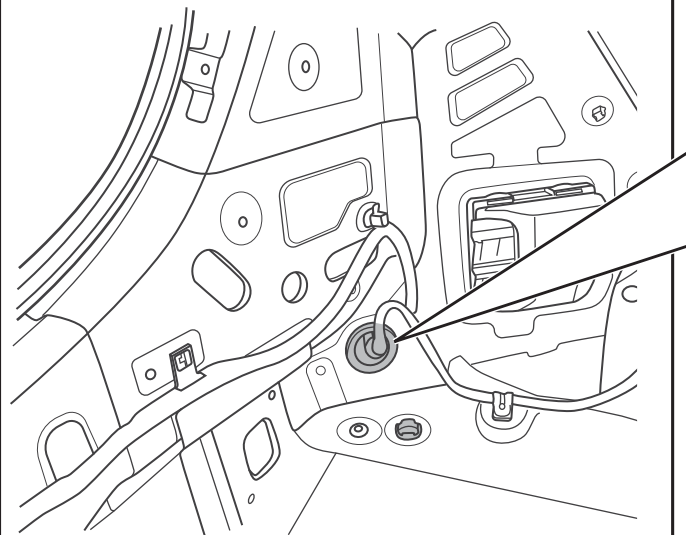
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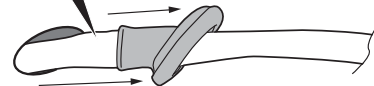


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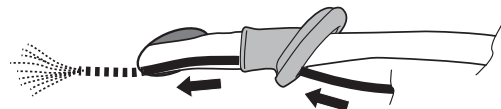
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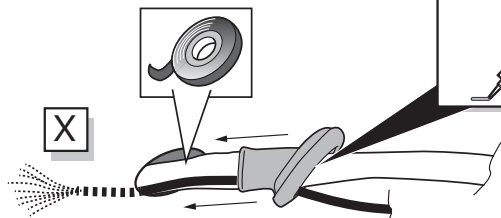
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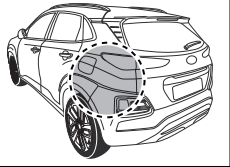
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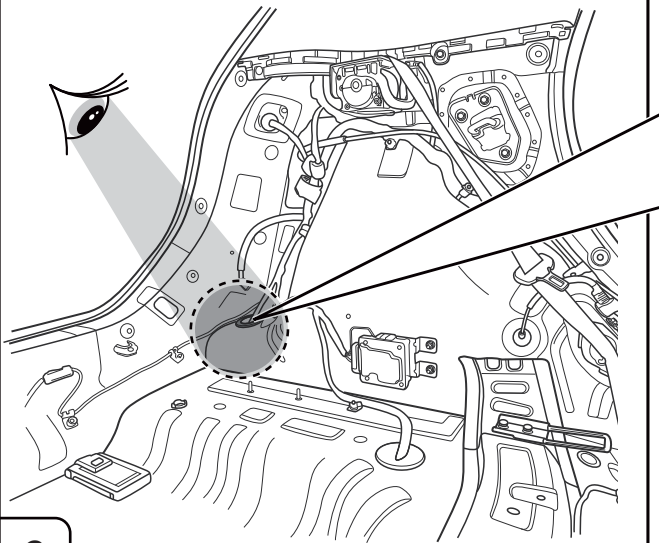
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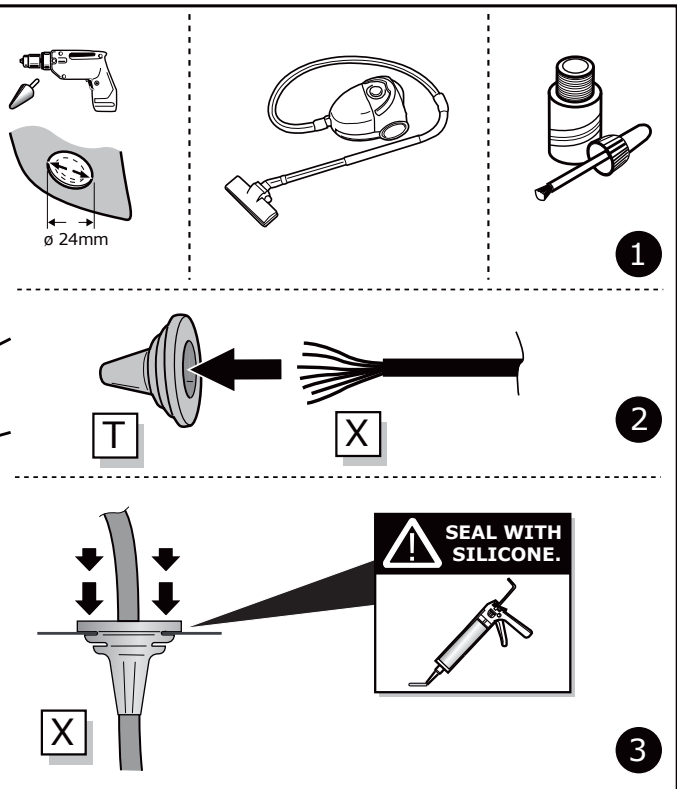
Kona



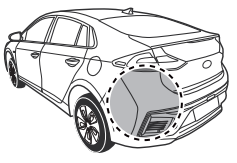
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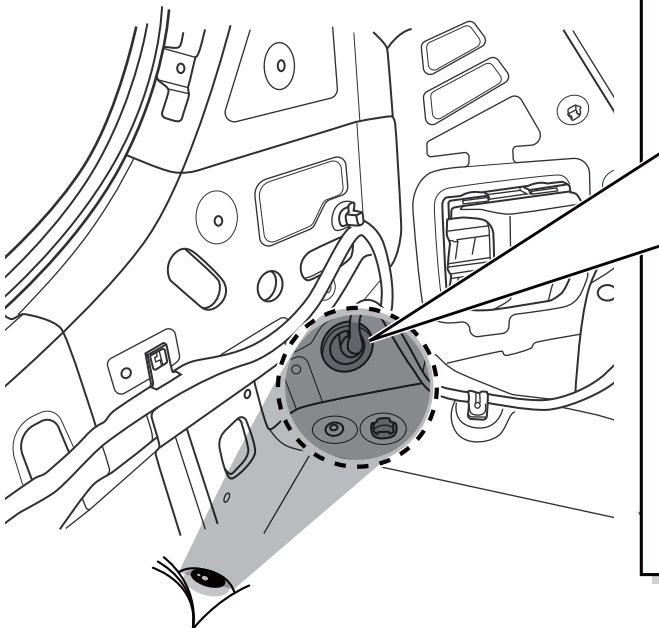
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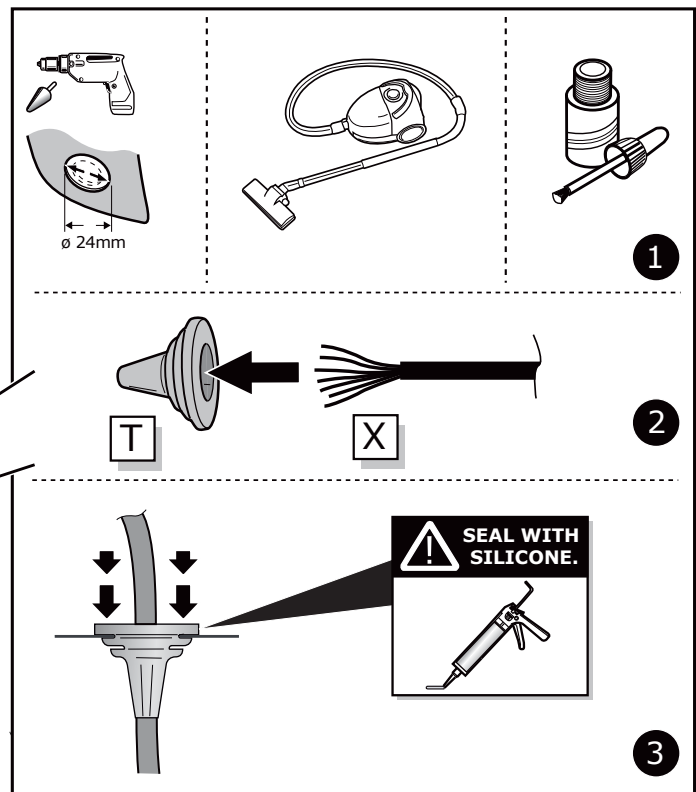
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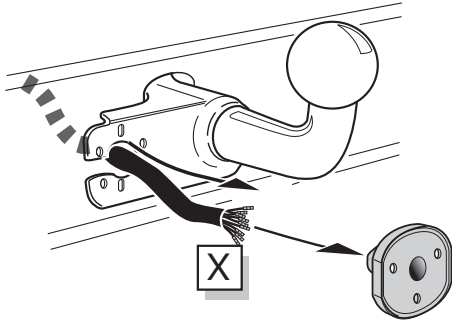
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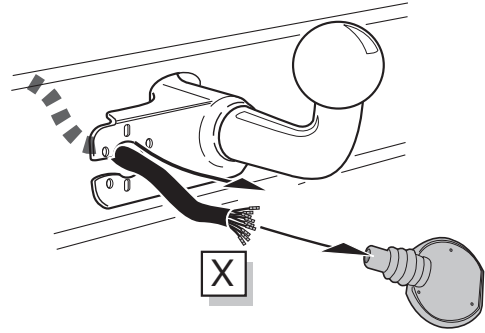
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Option 1



Option 2



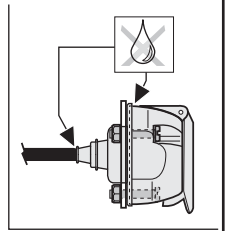
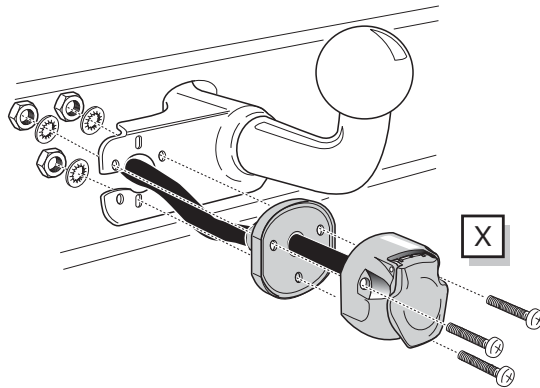
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SOCKET CONNECTION



Page 23

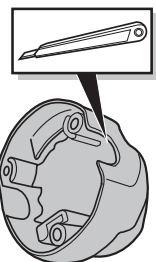
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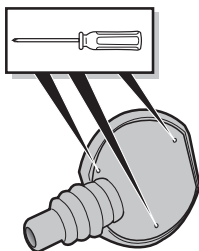
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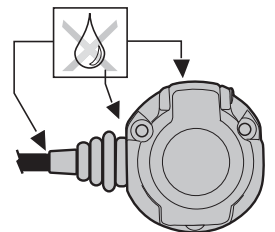
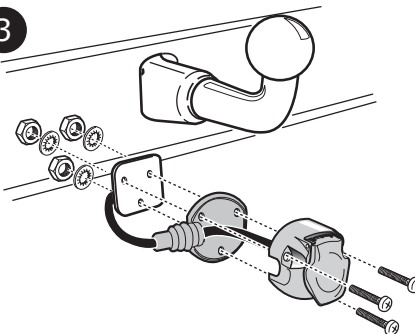
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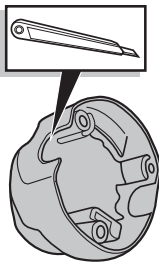
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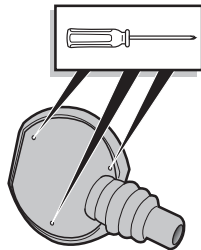
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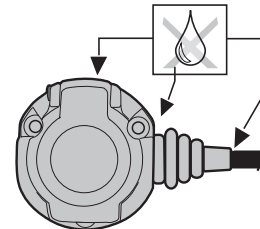
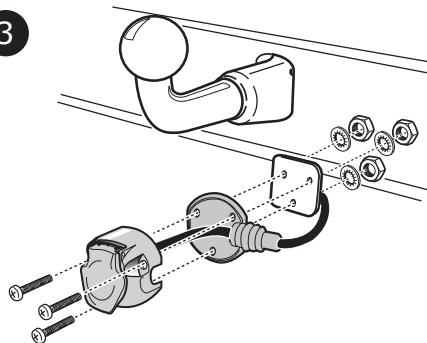
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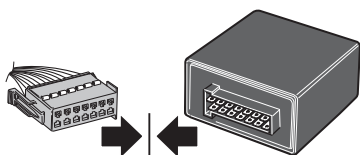
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All models

M1

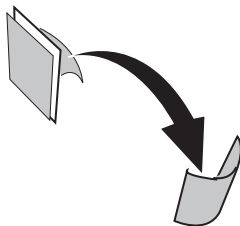
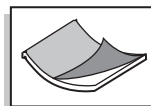
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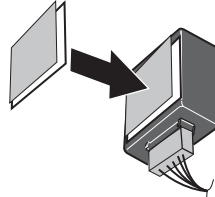


Important!
Please note informations
in picture 1!

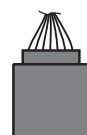
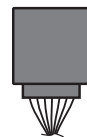
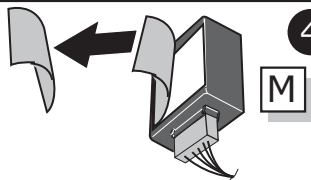
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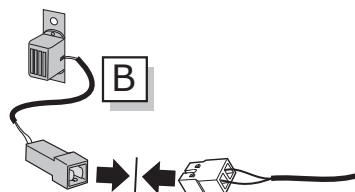
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15

All models

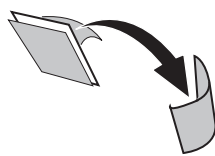
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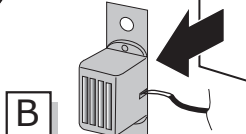
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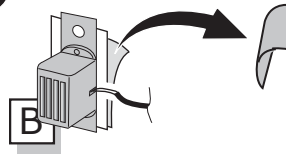
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4



5

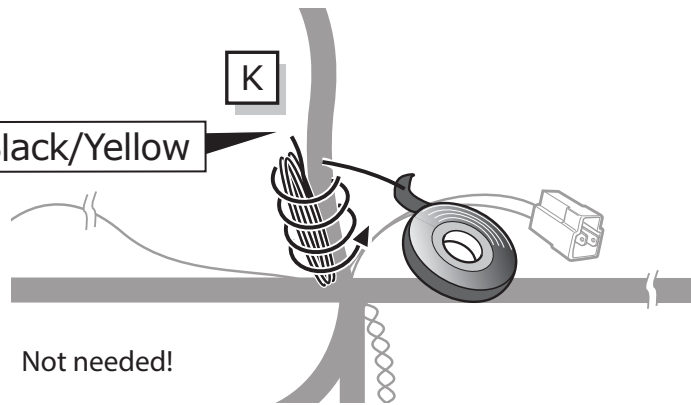


16

All models

K

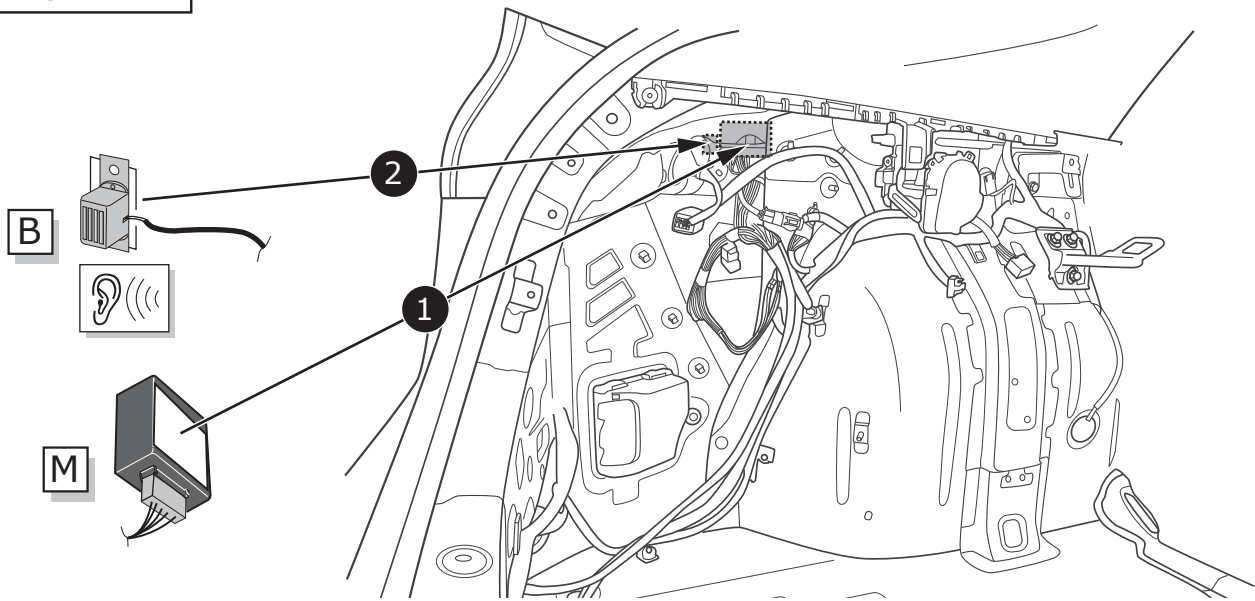
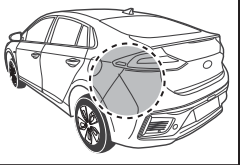
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17

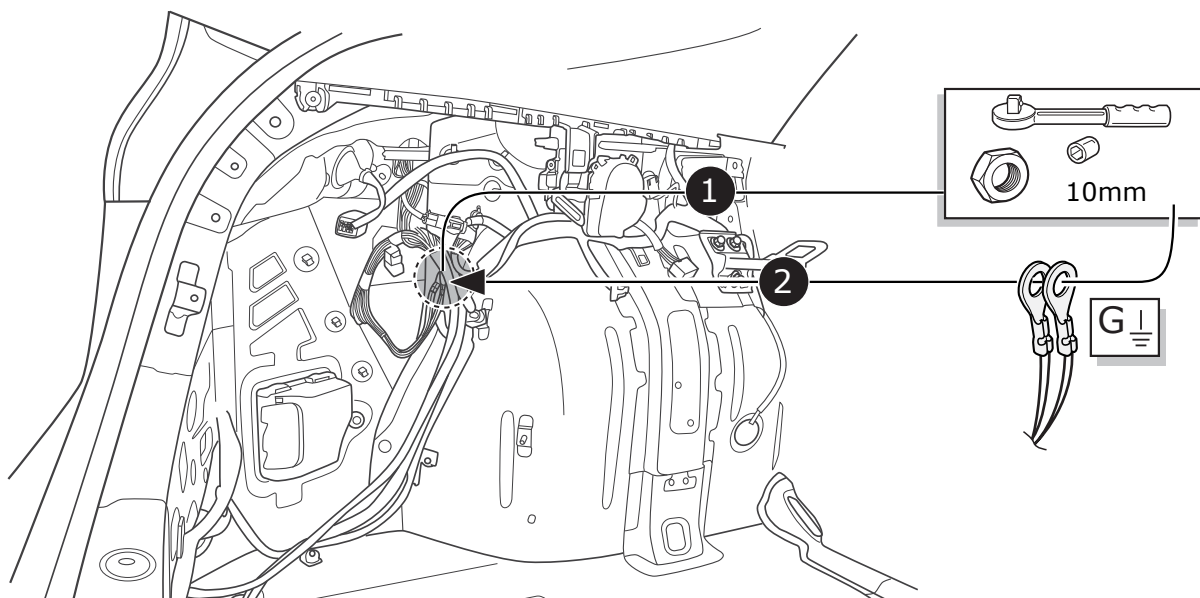
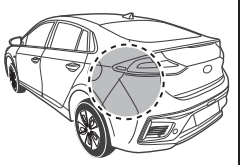
Not needed!

Ioniq



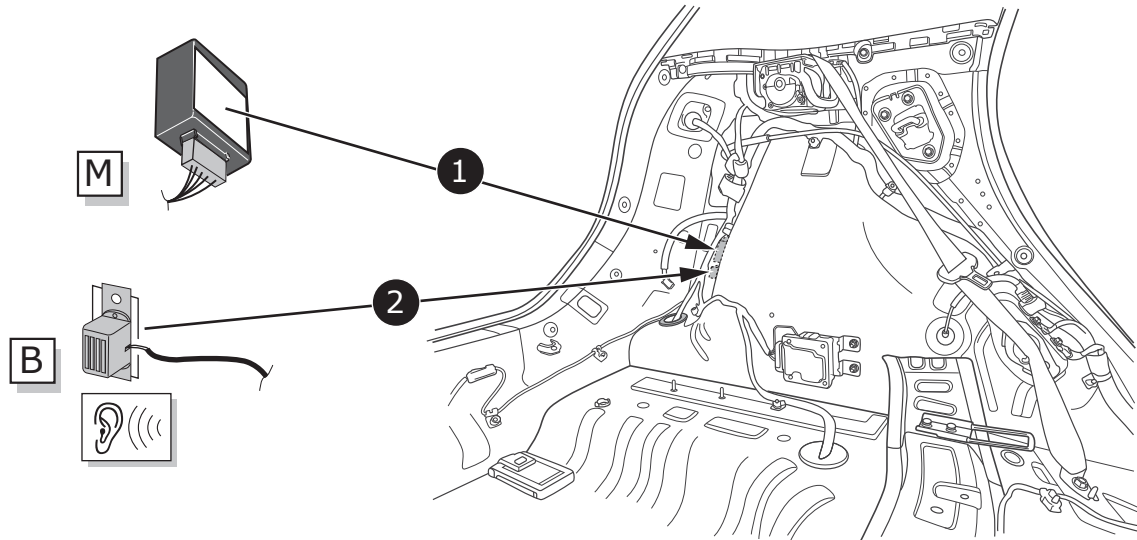
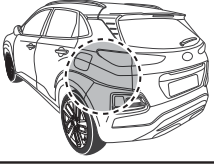
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Ioniq



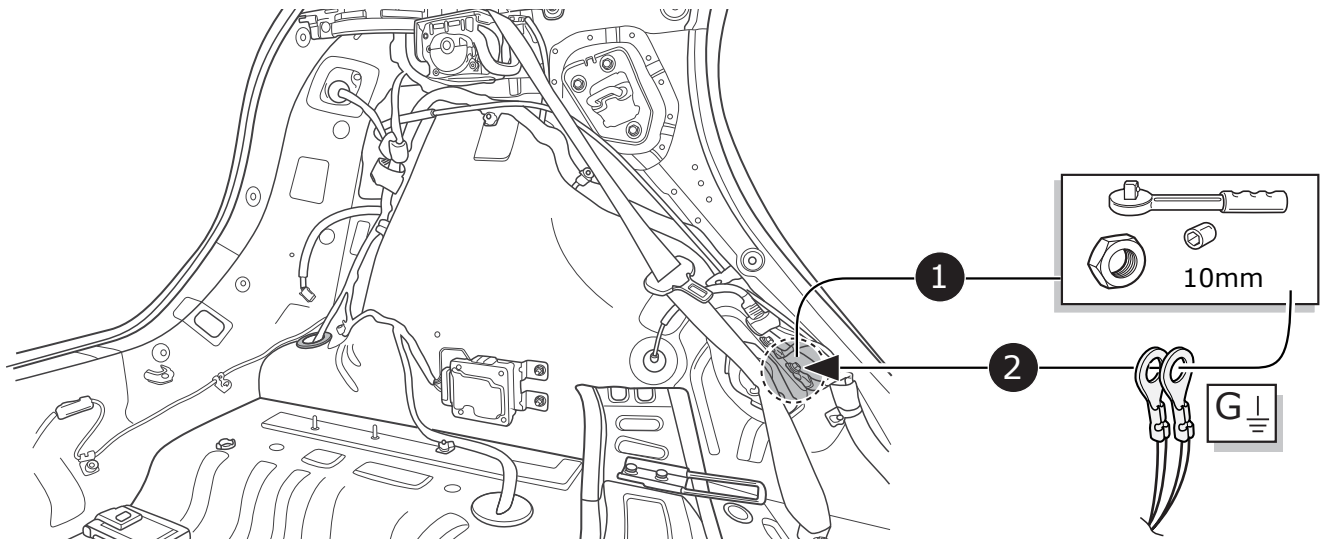
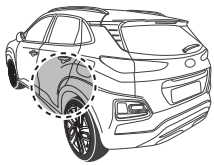
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Kona

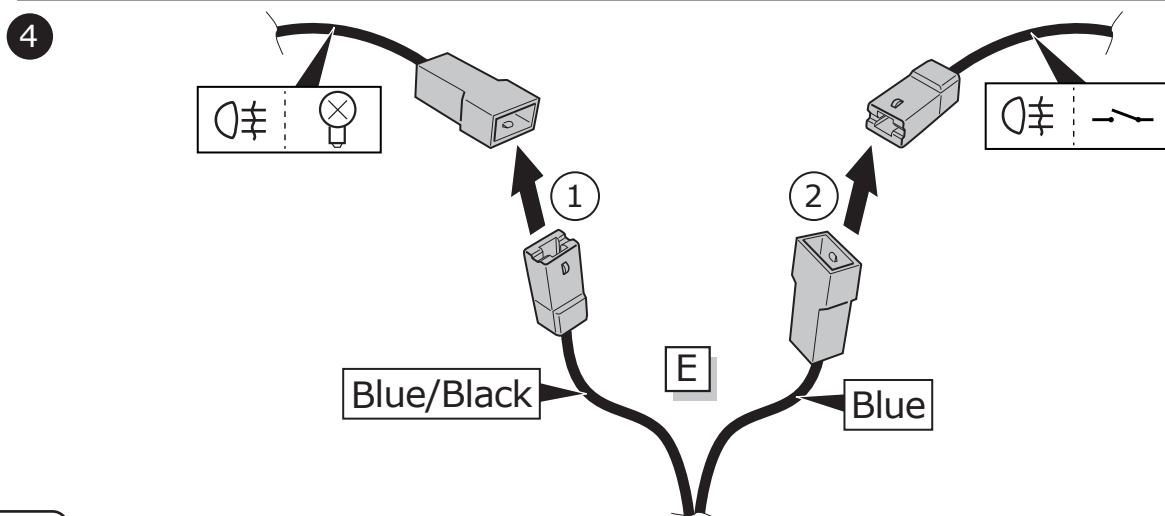
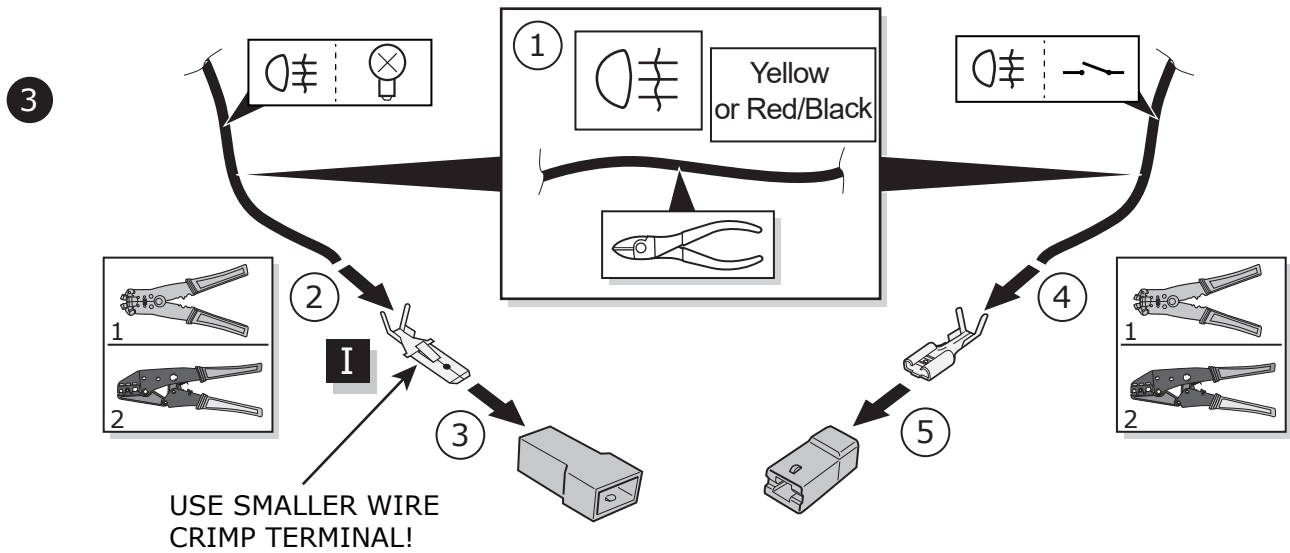
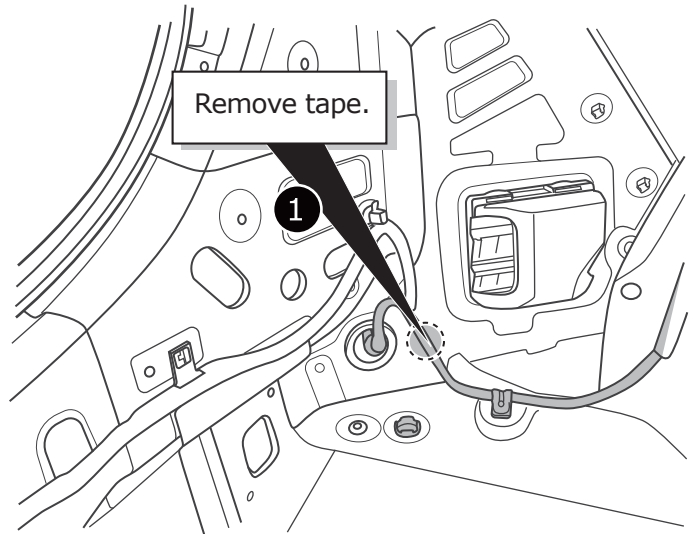
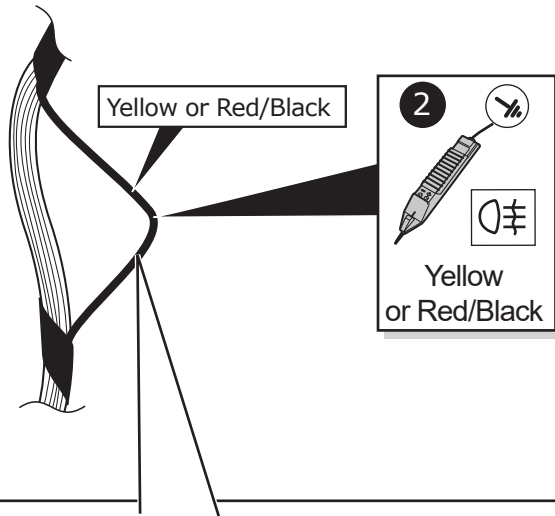
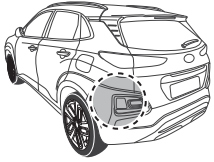


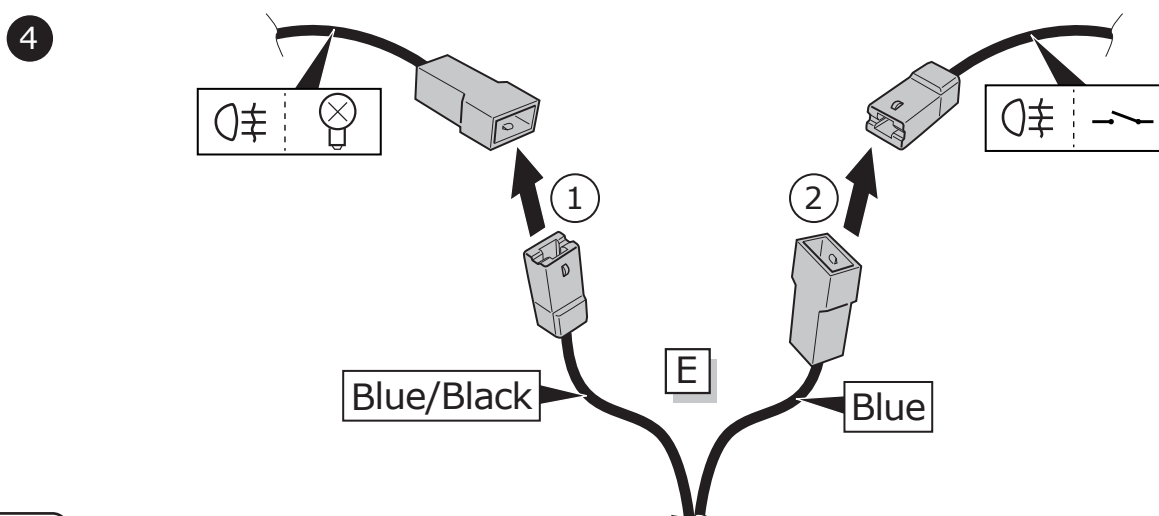
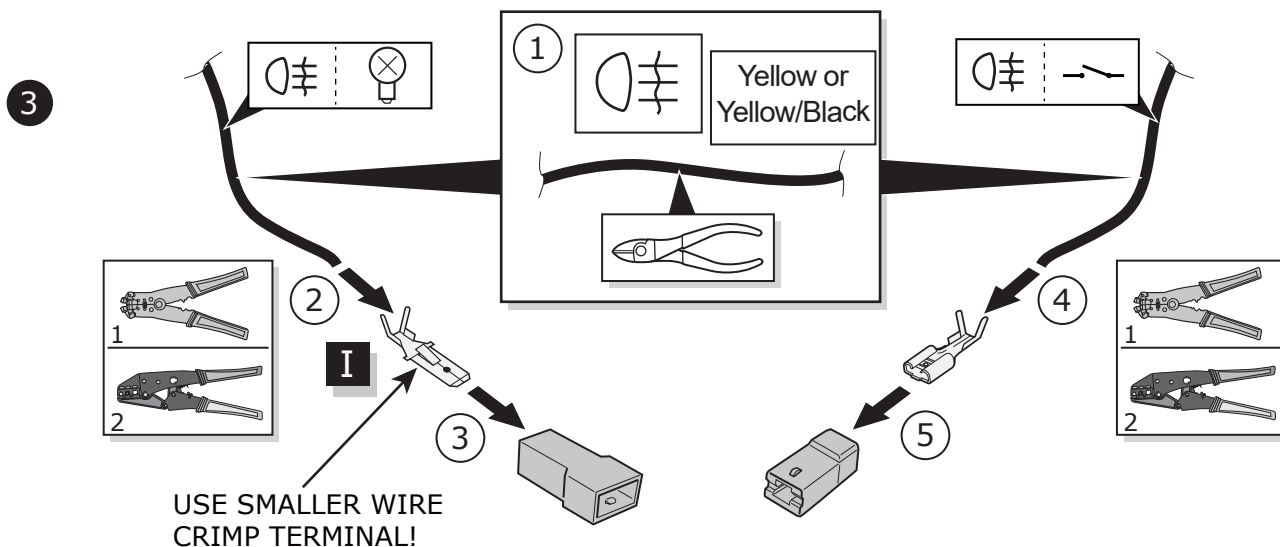
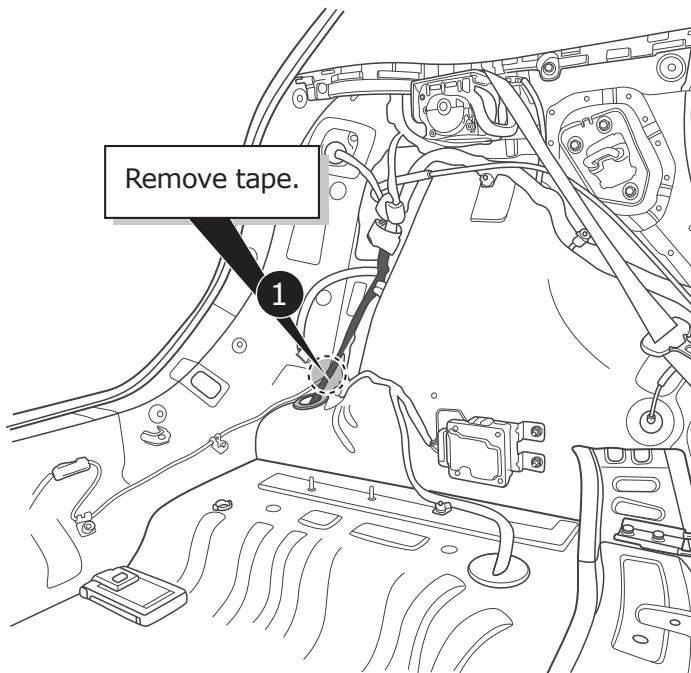
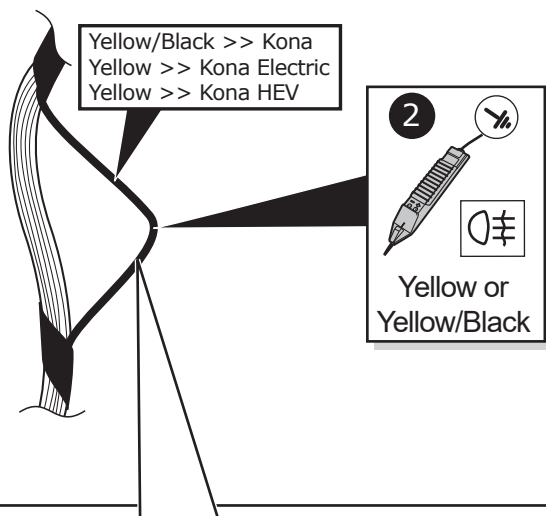
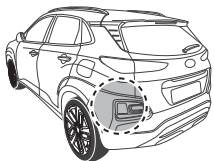
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Kona

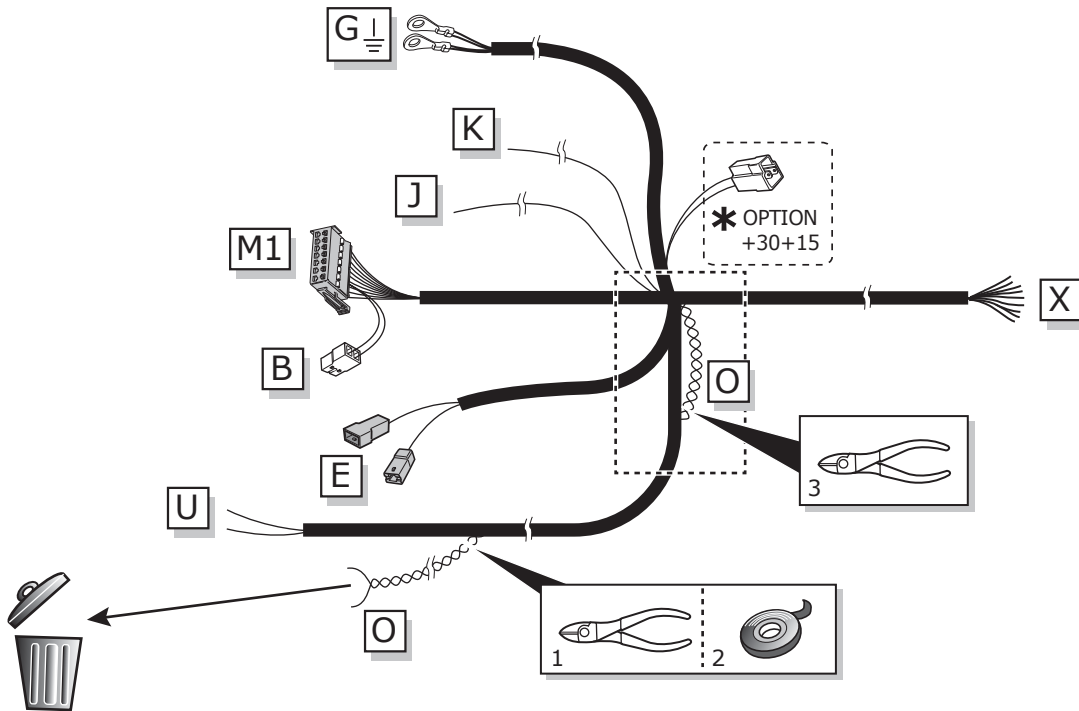


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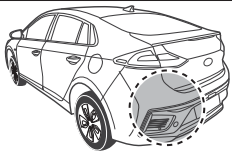


All models

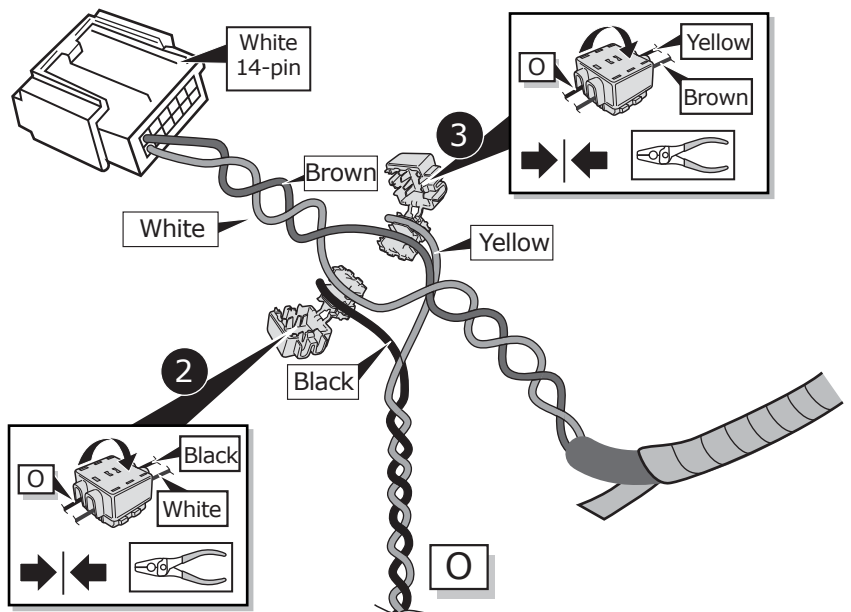
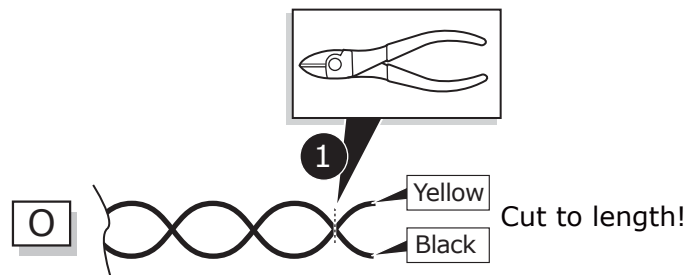
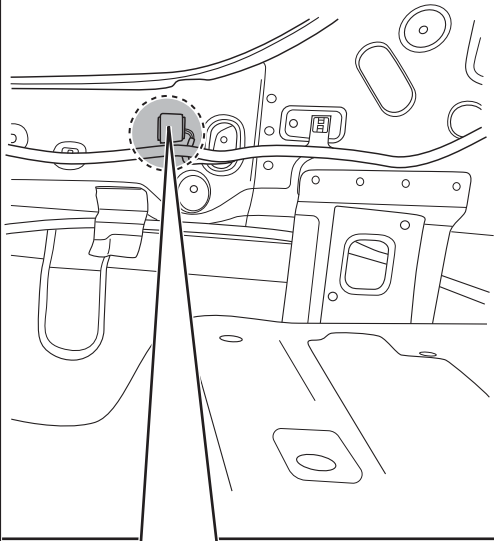


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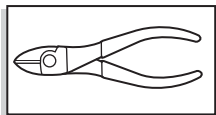
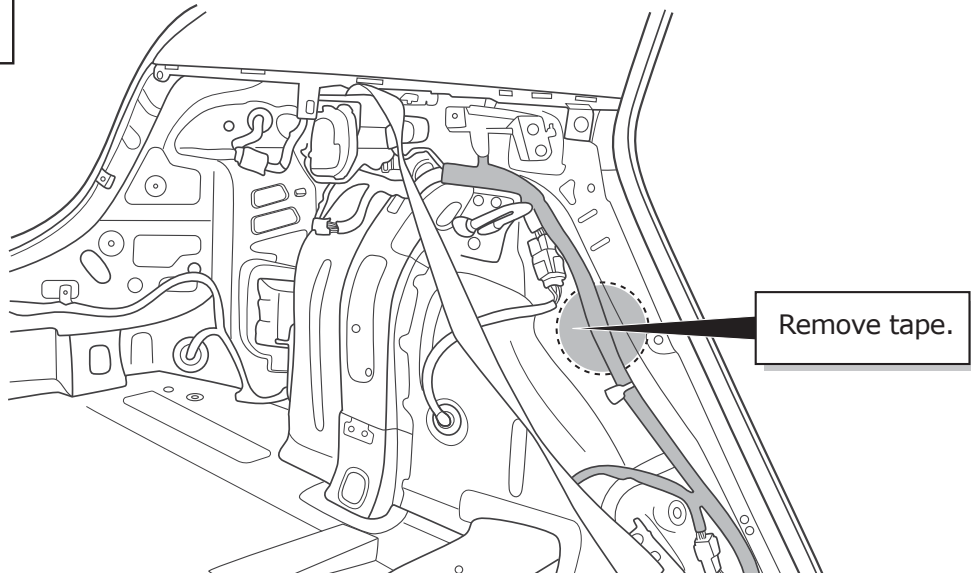
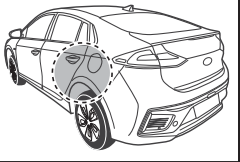
Ioniq



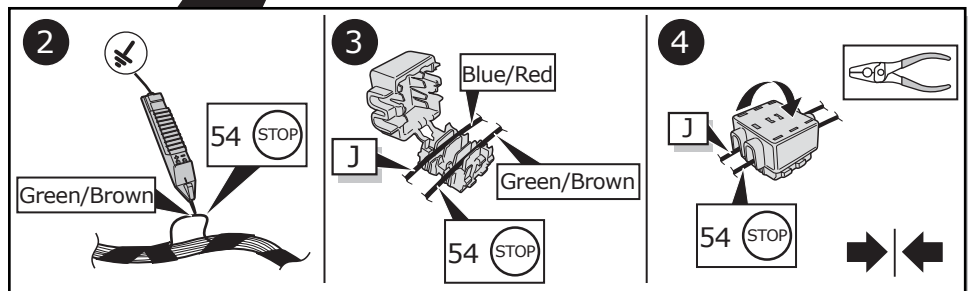
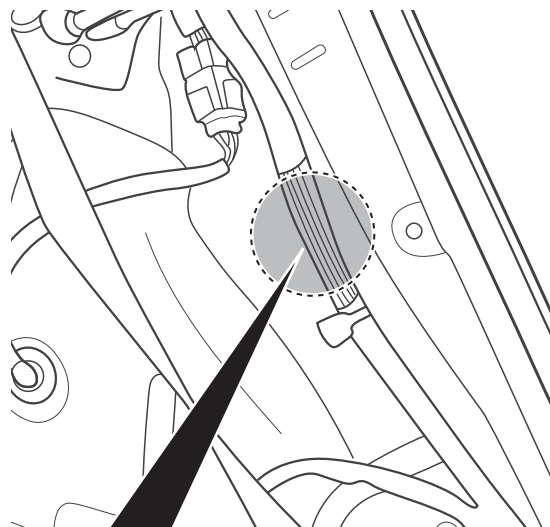
CAN-Data Wire



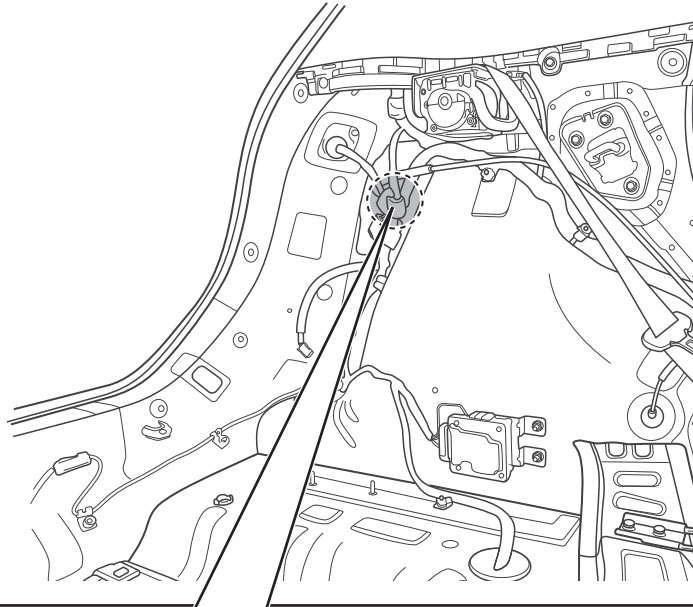
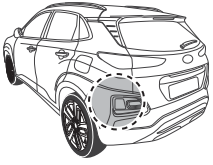
25



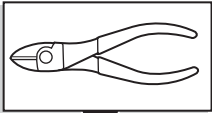
Cut to length!



Kona



1

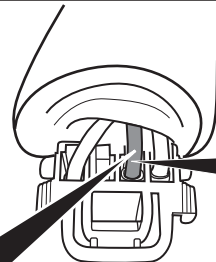


Blue/Red

J

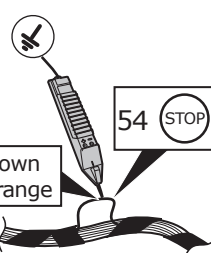
Cut to length!

27



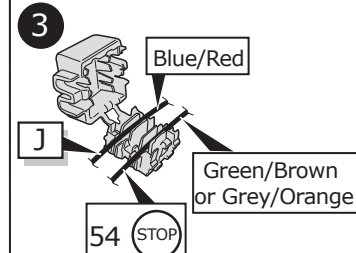
Green/Brown or
Grey/Orange

2



Green/Brown
or Grey/Orange

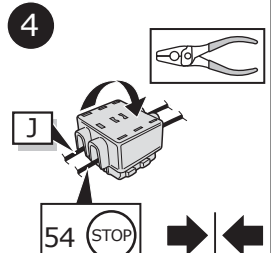
3



Blue/Red

Green/Brown
or Grey/Orange

4

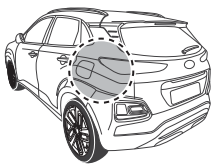


J

54 STOP



Kona



**Kona
Kona HEV**

**Brown
14-pin**

Remove tape.

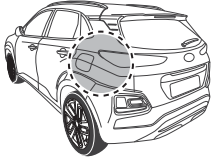
Kona Electric

**Brown
14-pin**

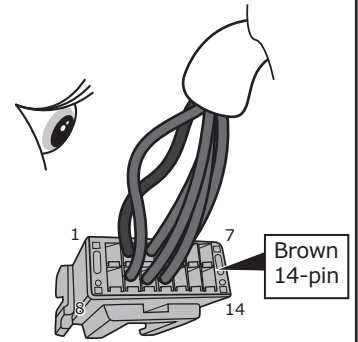
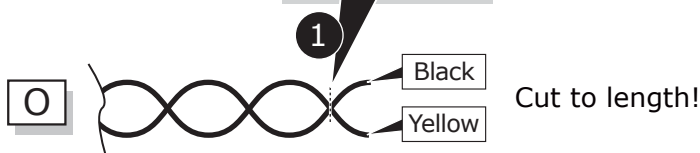
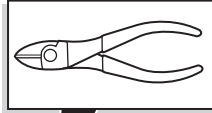
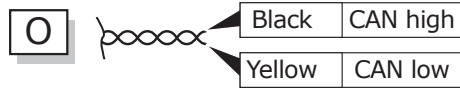
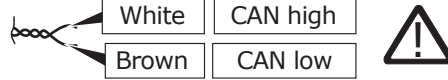
**Yellow
14-pin**

28

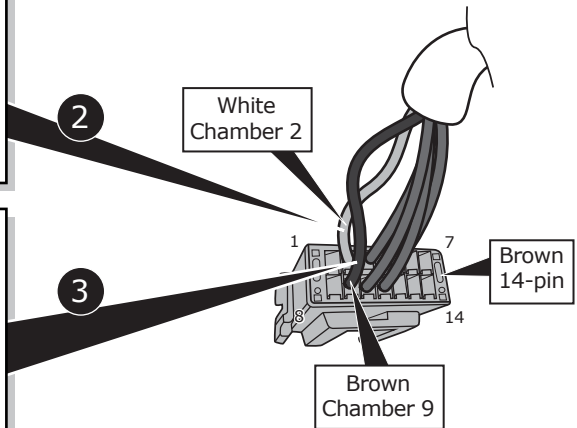
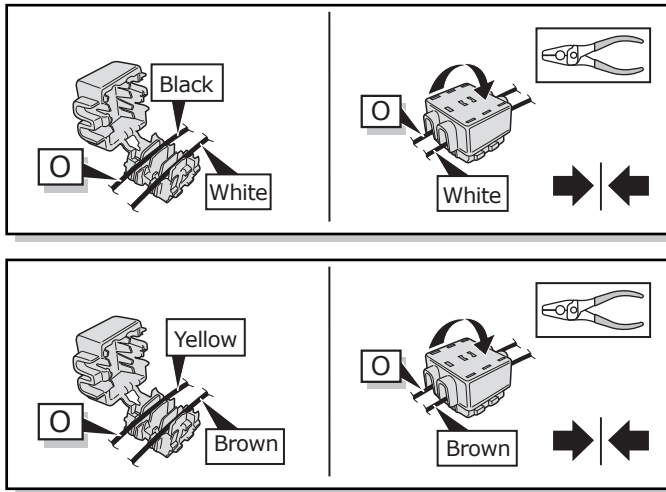
Kona



CAN-Data Wire

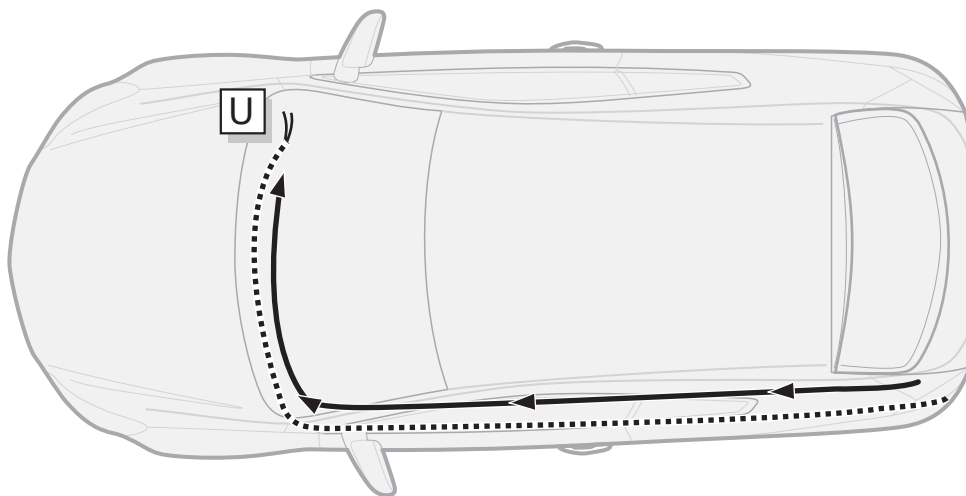


⚠ Important!
Please note informations
in picture 1!



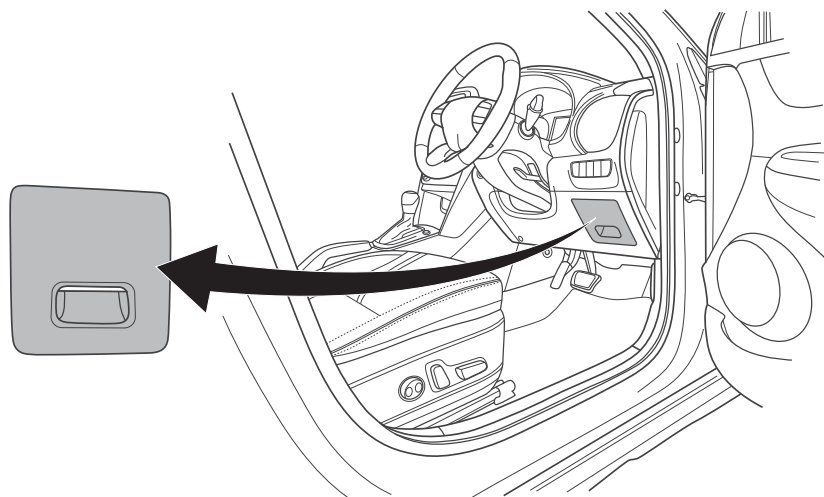
29

All models



30

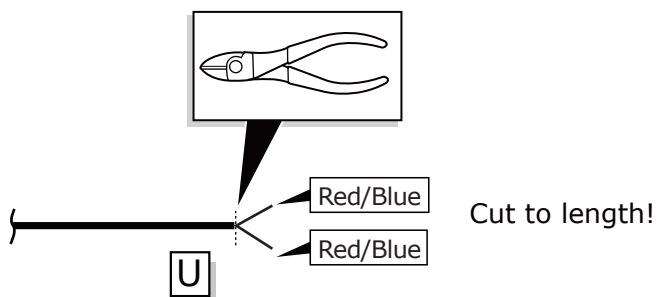
All models



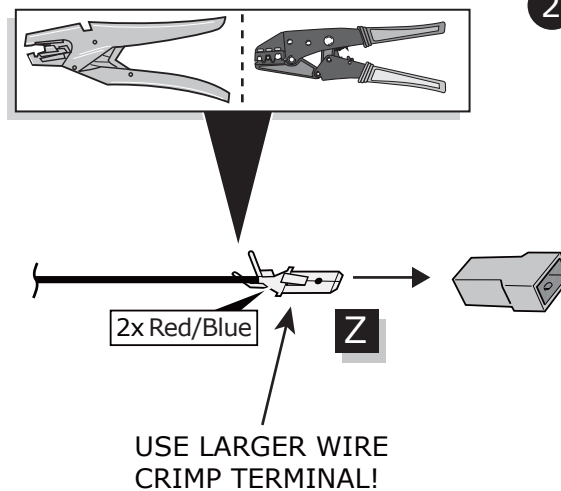
31

All models

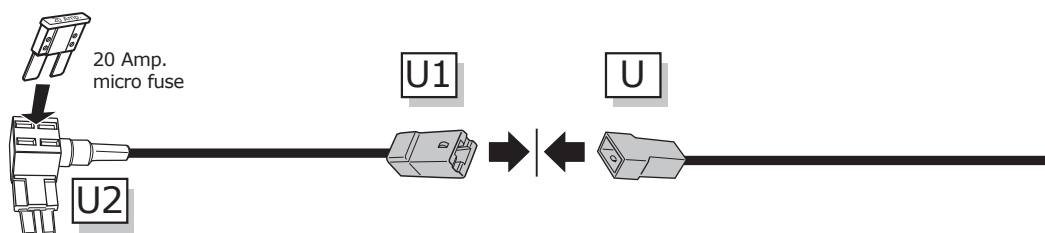
1



2

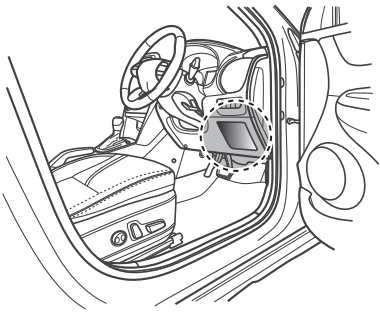


3

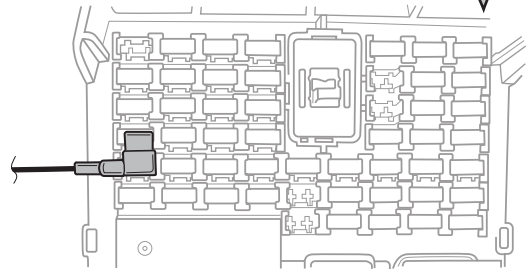


32

Ioniq

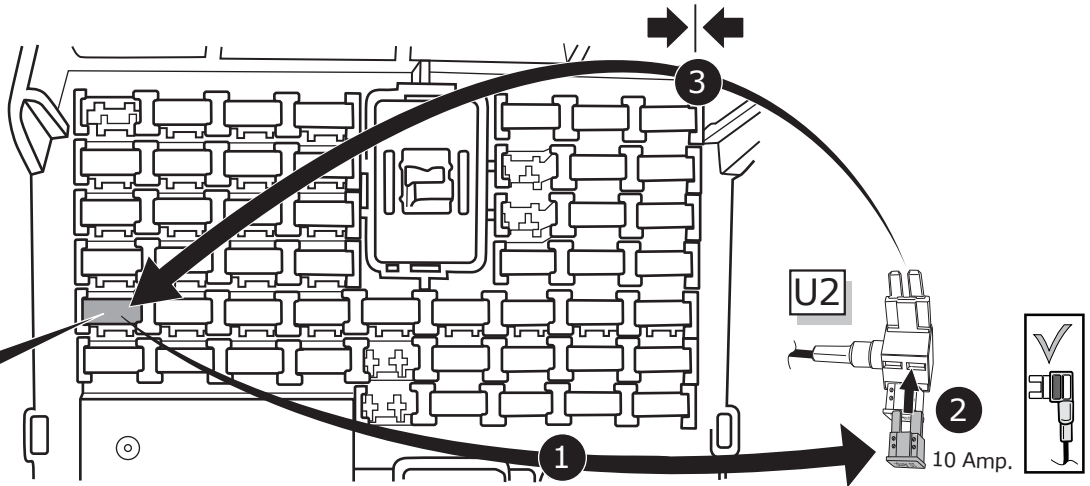


Important!
Please do not mount
the fuse tap and its
wiring output in
the other
direction!

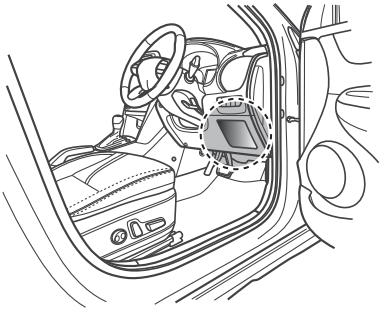


SPARE 10A

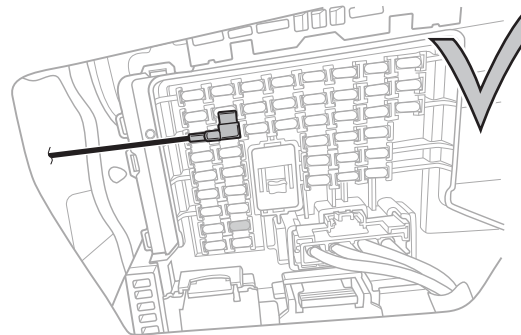
33



Kona

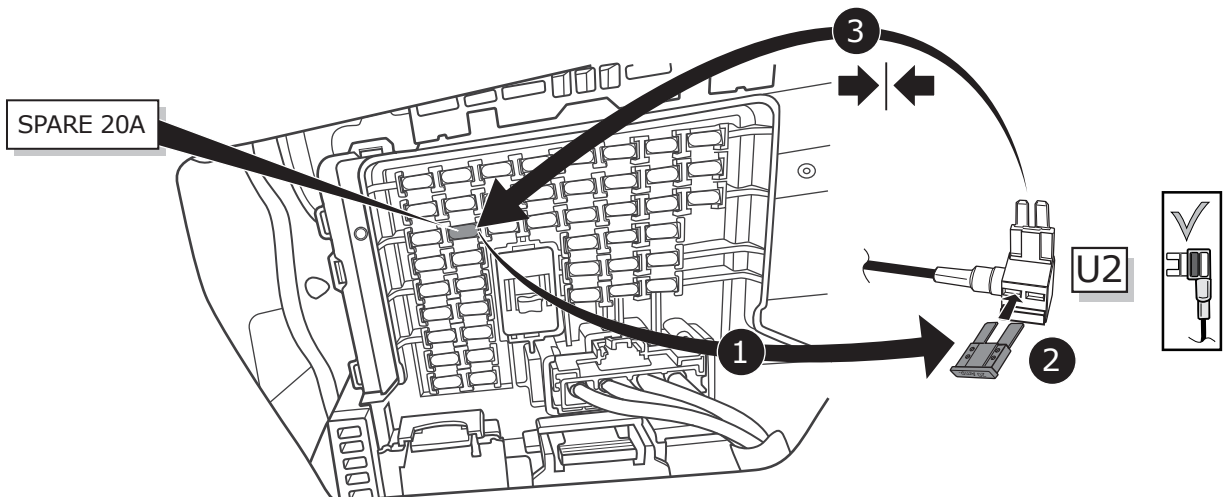


Important!
Please do not mount
the fuse tap and its
wiring output in
the other
direction!

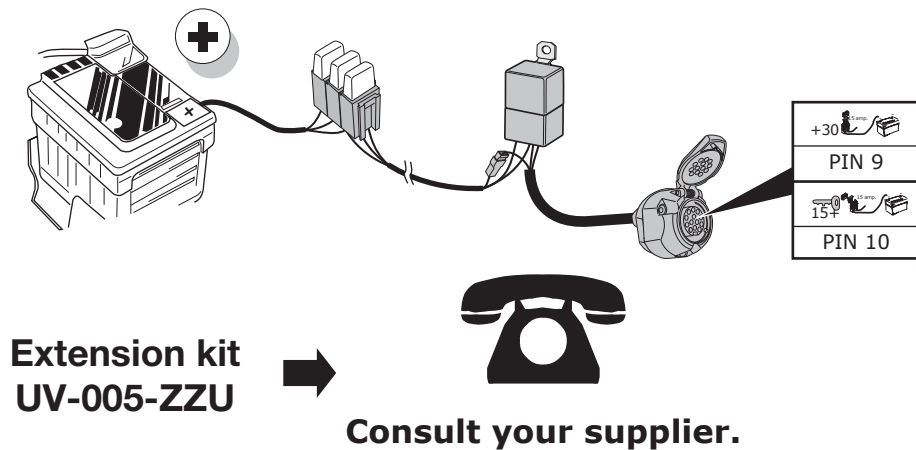


SPARE 20A

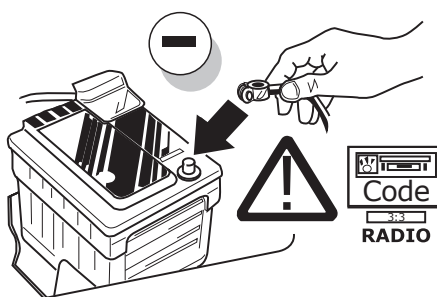
34



Optional

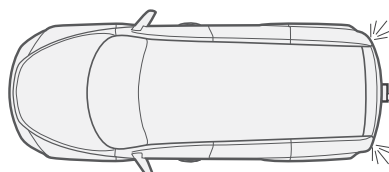
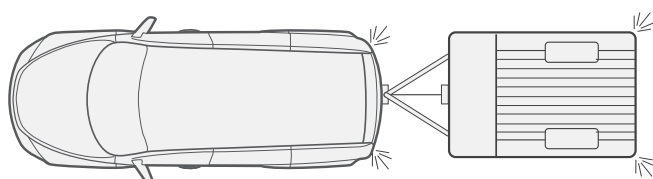
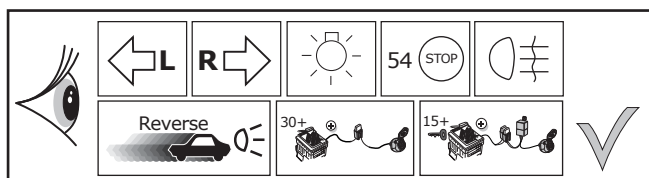


35



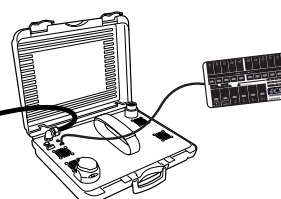
36

Functional test

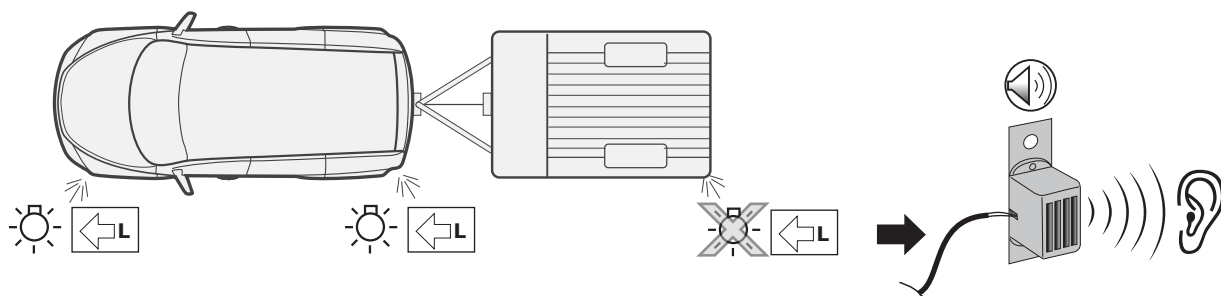
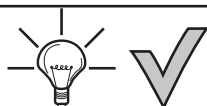


LIGHTMATE®

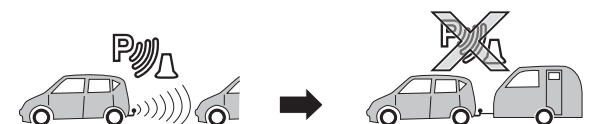
ECS part no.
LIGHTMATEII
LIGHTMATEIII



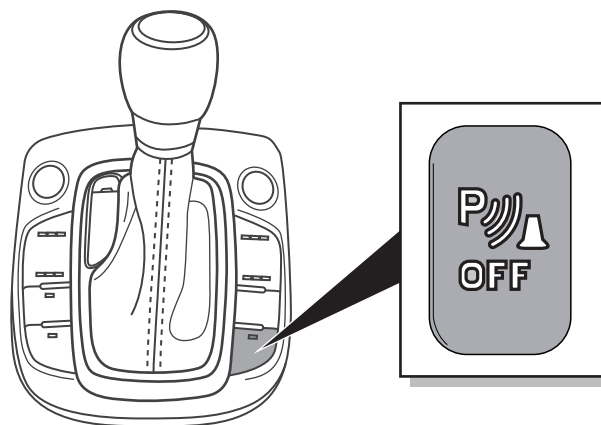
37



38



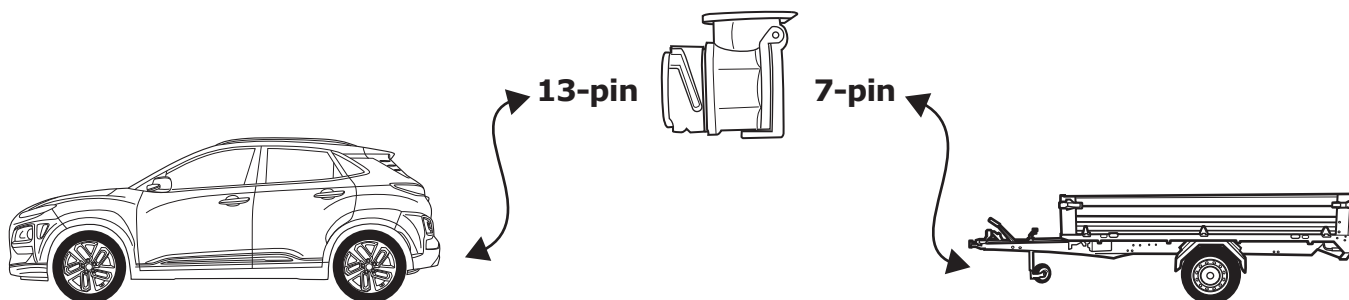
Vehicles with Factory-Fitted PDC-System



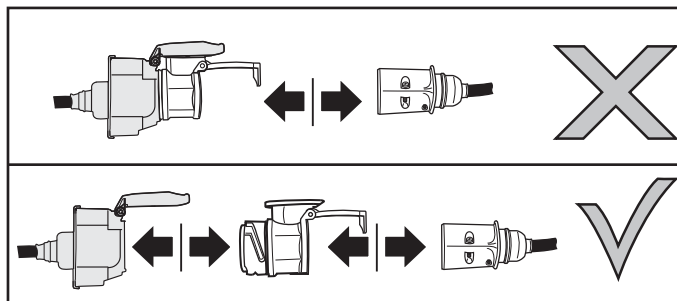
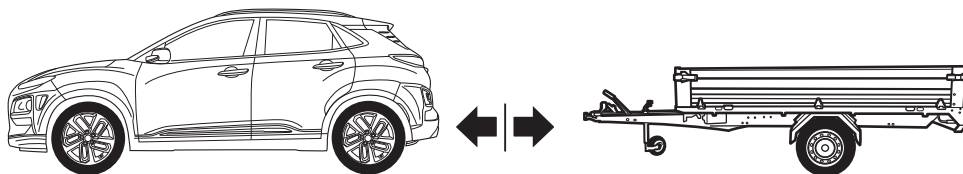
39

Optional

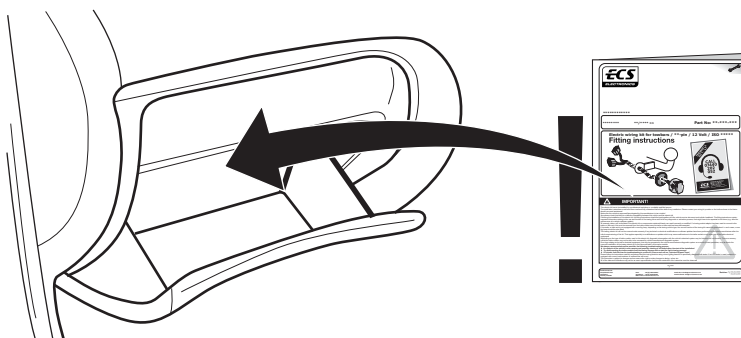
Adapter socket



40

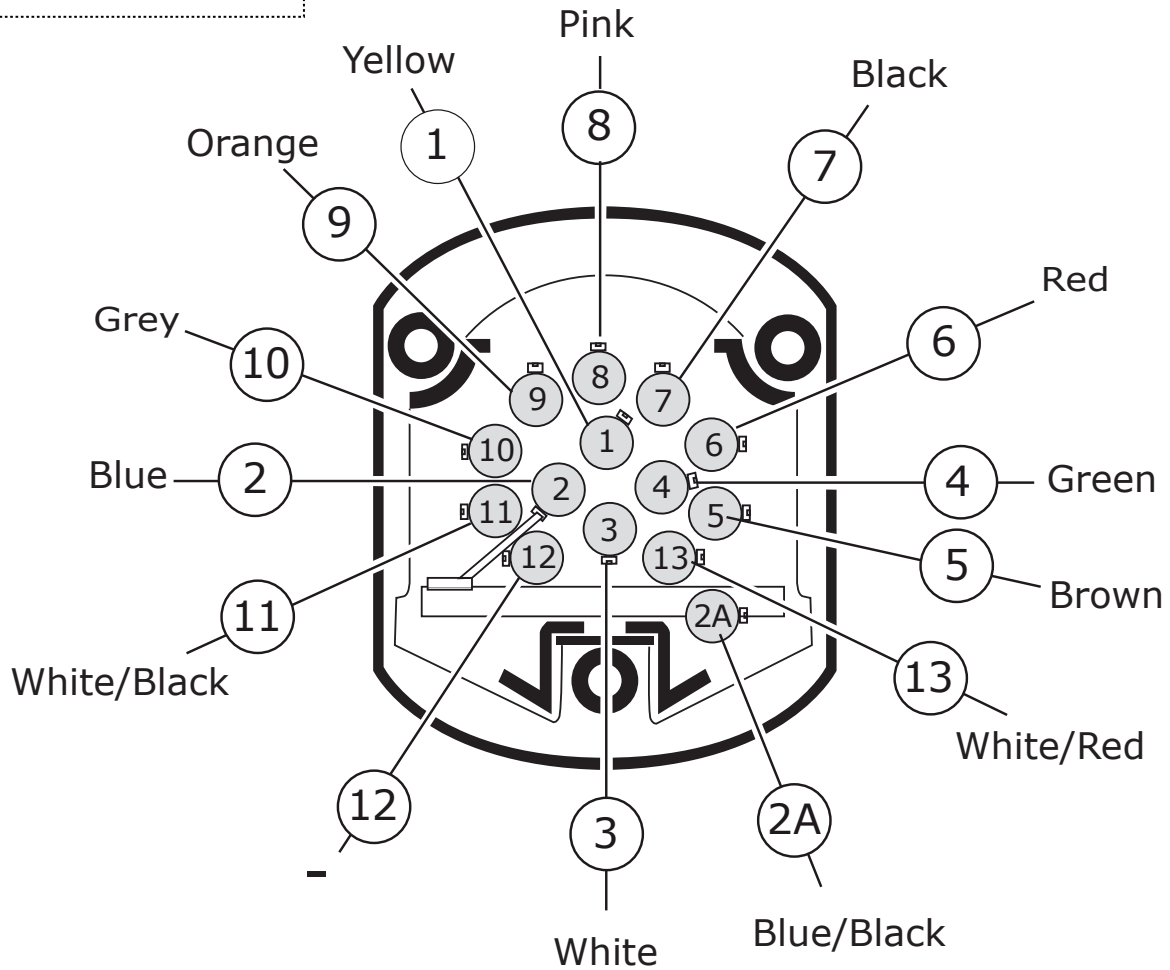
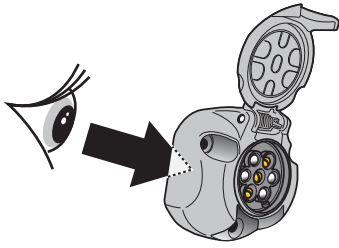


41



42

SOCKET CONNECTION



SOCKET CONNECTION

DIN/ISO 11446														
Pmax	21W	21W			21W	52W	3x21W	52W	21W	180W	180W			
Colour	Yellow	Blue	Blue/Black	White	Green	Brown	Red	Black	Pink	Orange	Grey	White/Black	-	White/Red