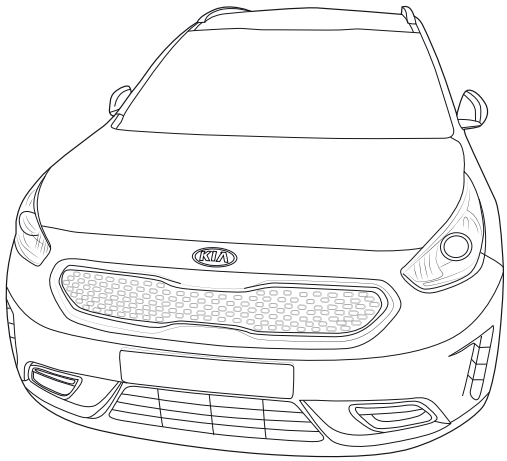
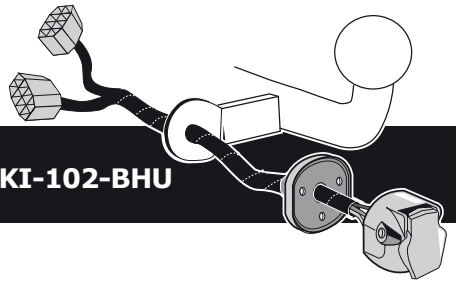




Kia Niro HEV 10/2016-
Kia Niro PHEV 10/2017-

Partnr.: KI-102-BHU

• Fitting instructions electric wiring kit tow bar with 12-N socket up to DIN/ISO Norm 1724.

• We would expressly point out that assembly not carried out properly by a competent installer will resultin cancellation of any right to damage compensation, in particular those arising by virtue of the product liability act.

• Contents of these kits and their fitting manuals are subject to alteration without notice, please ensure that these instructions are read and fully understood before commencing installation.

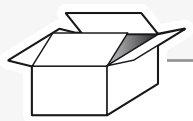
• Do not overload circuits; the maximum loads per connection are detailed in this manual.

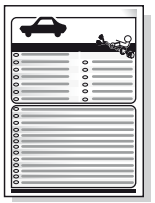
• Attention! Before Installation, please read this manual carefully and inform your customer to consult the vehicle owners manual to check for any vehicle modifications required before towing.

• In the event of functional problems, troubleshooting must be limited to about 0.5 hours, contact the technical support: ukts@ecs-electronics.com / 07440 202 052.



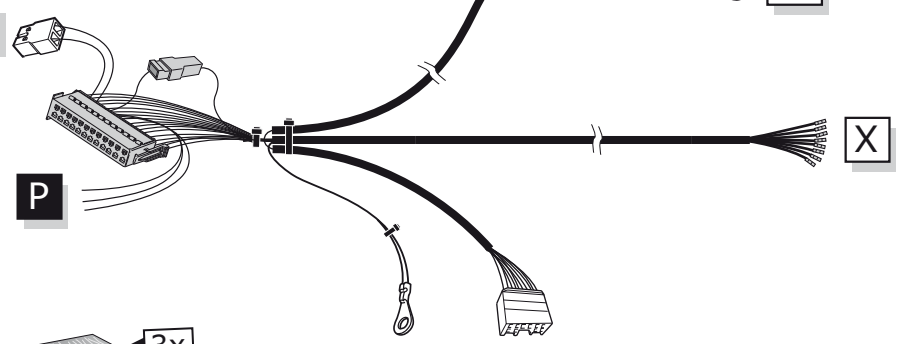
Part list

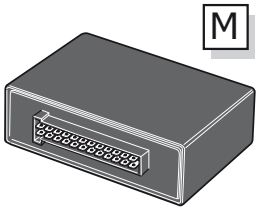


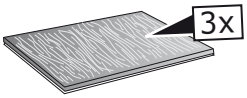






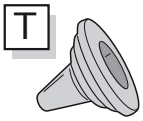


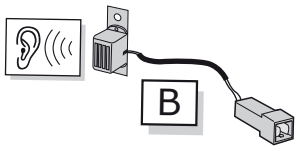


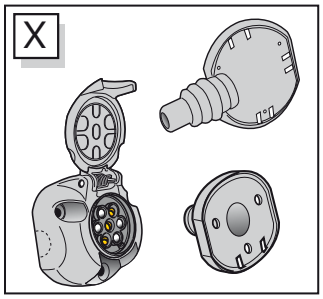












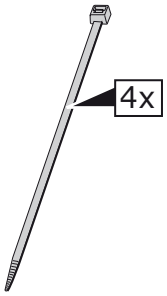
Optional UN-243-YZ

Reverse lamp pre-wire extension



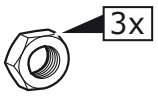


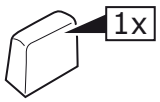
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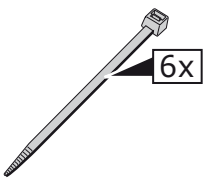


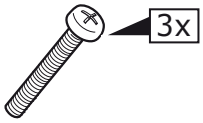










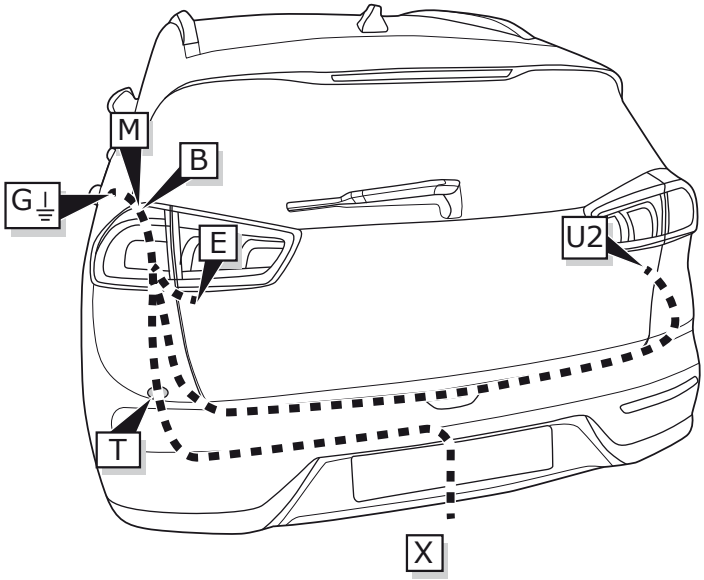




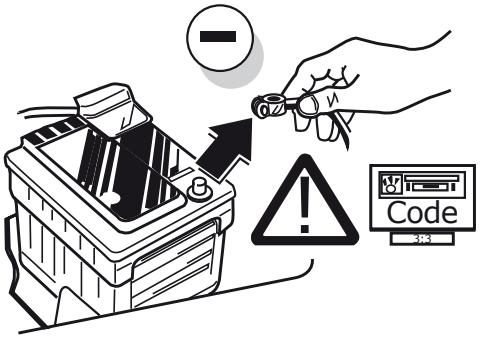
20 Amp. minifuse

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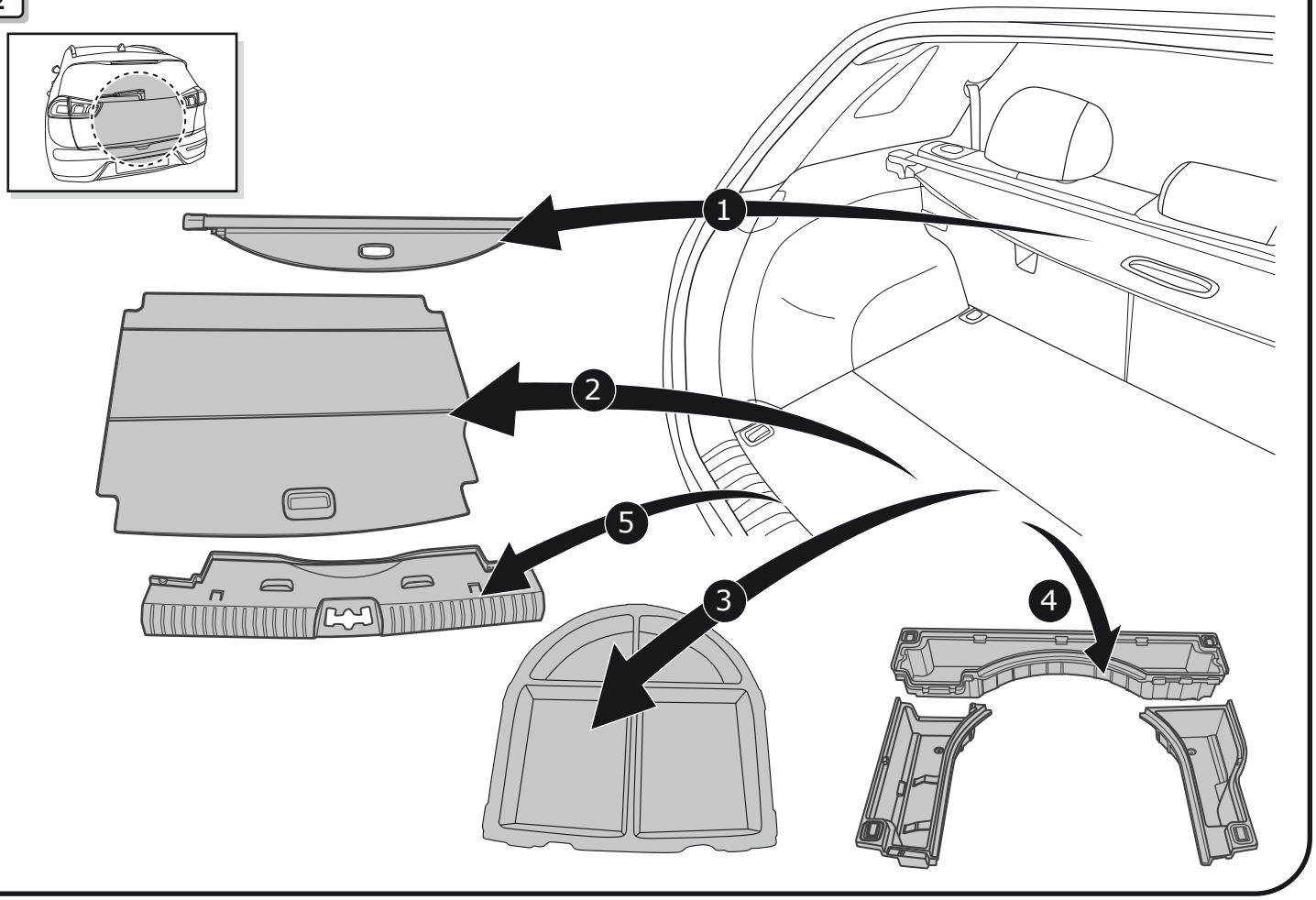
ROUTING



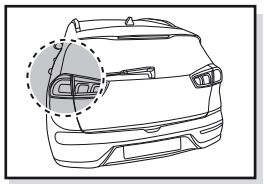
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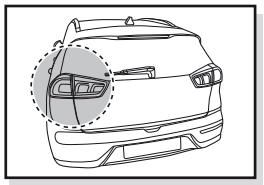
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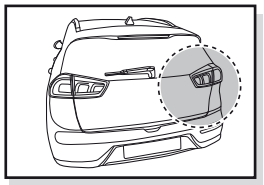
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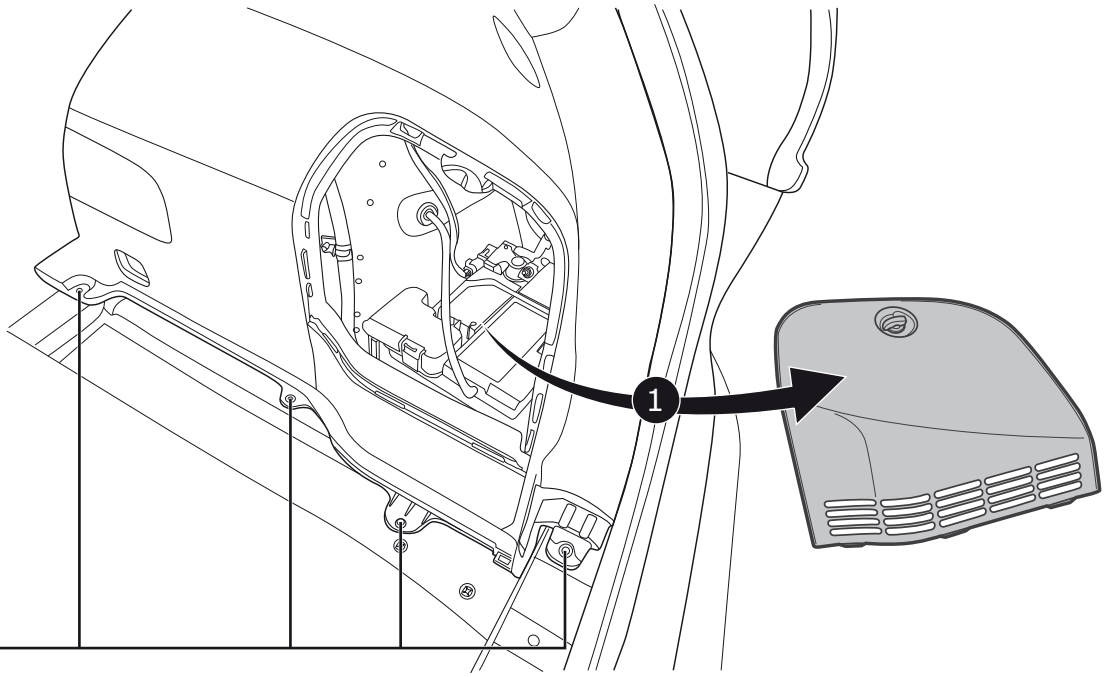


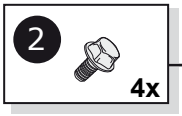
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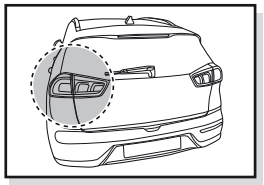
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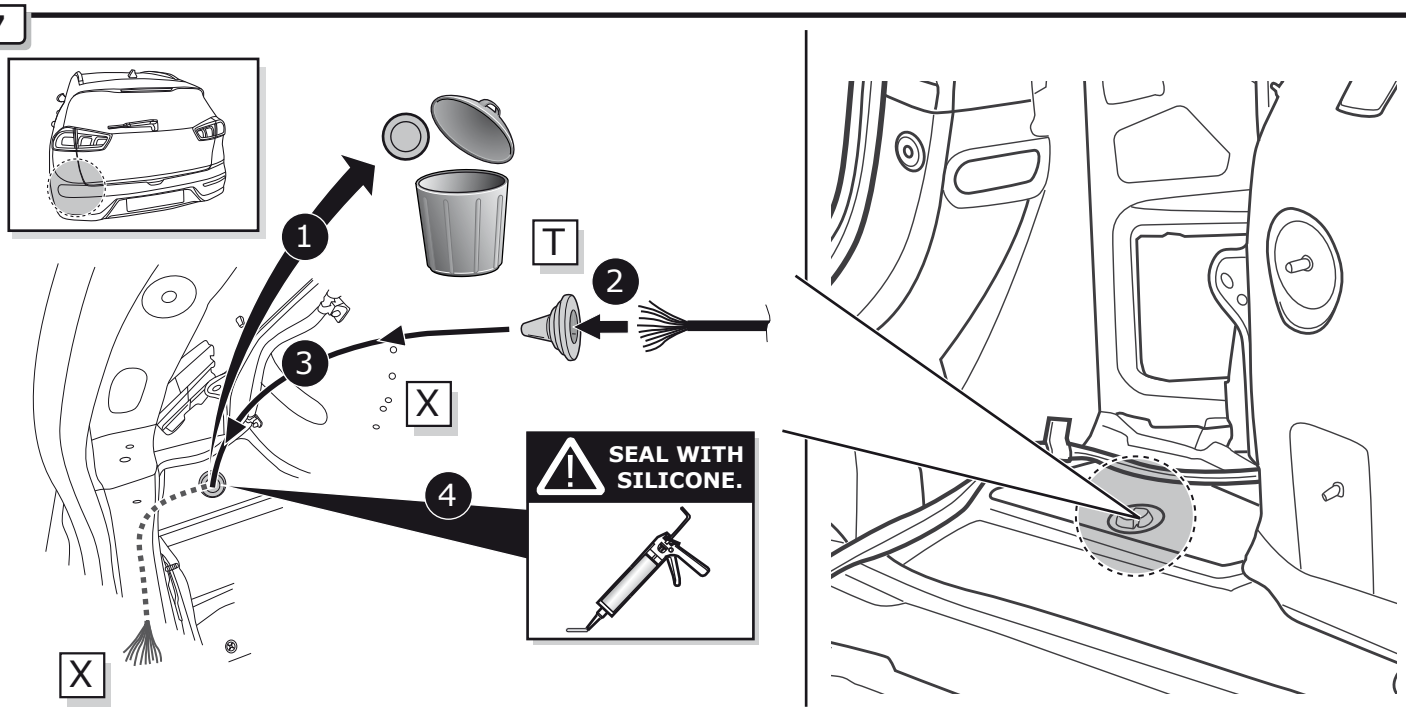


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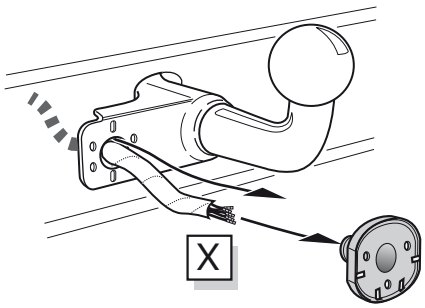
Option

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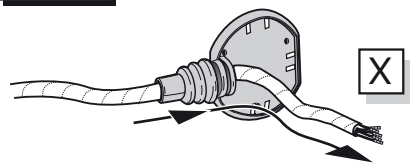


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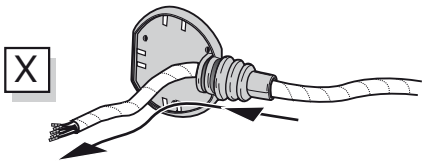
Option 1



Option 2



Option 3



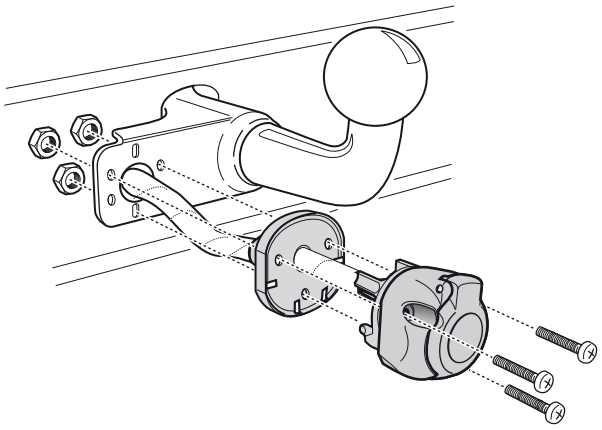
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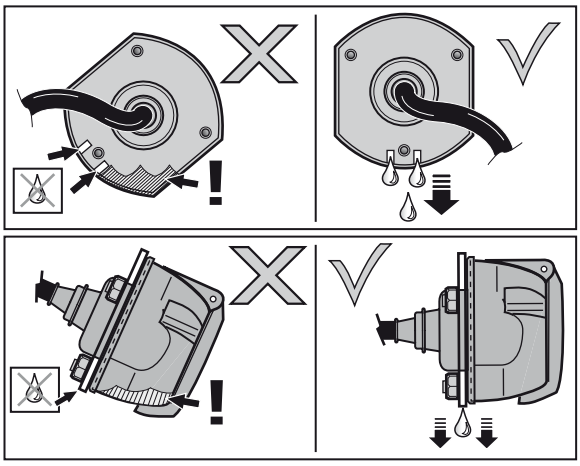
SOCKET CONNECTION

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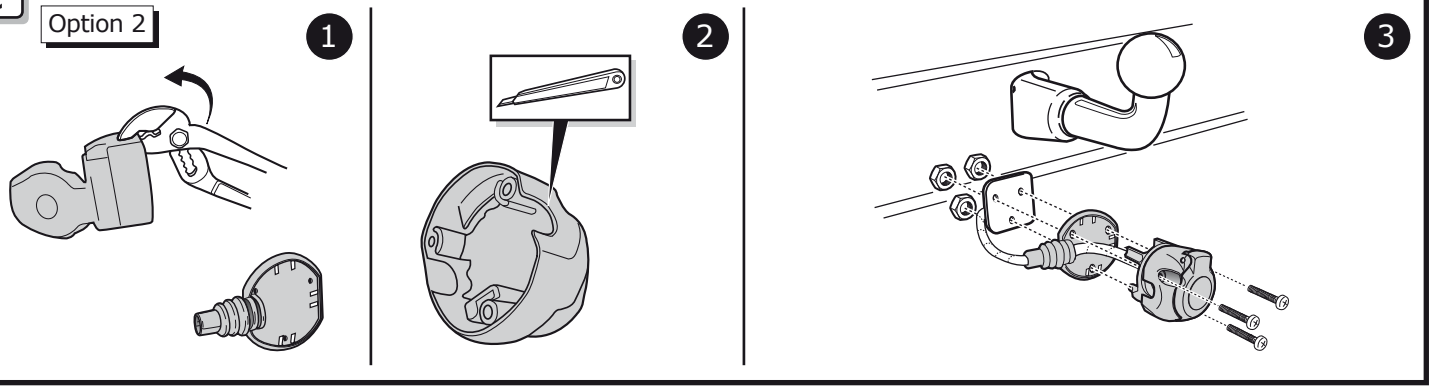
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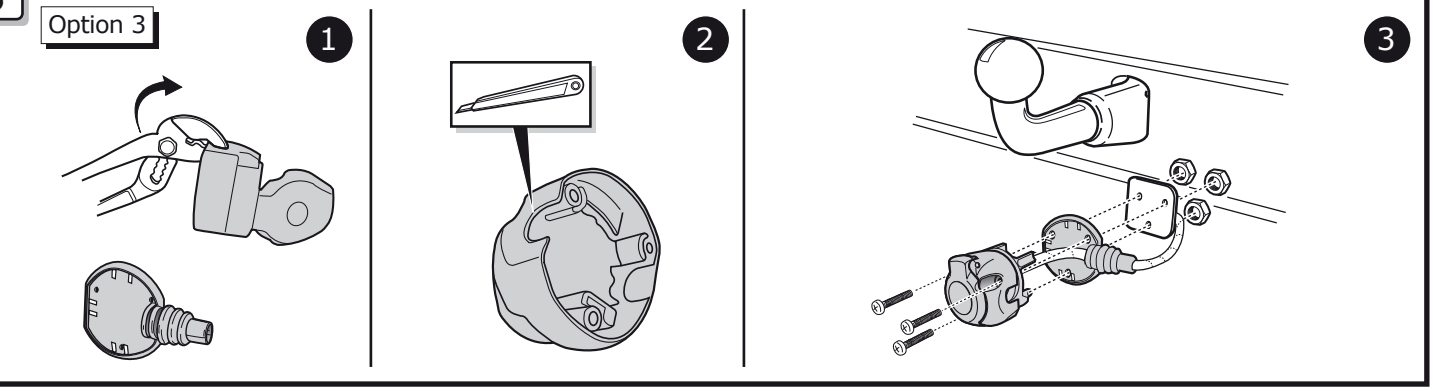
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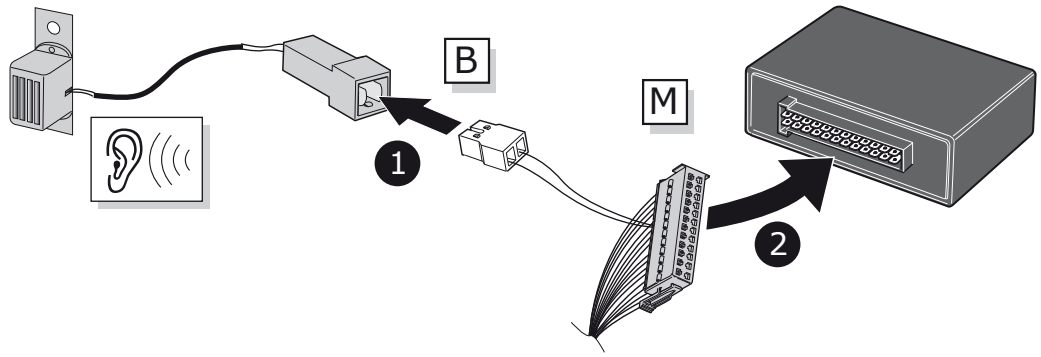


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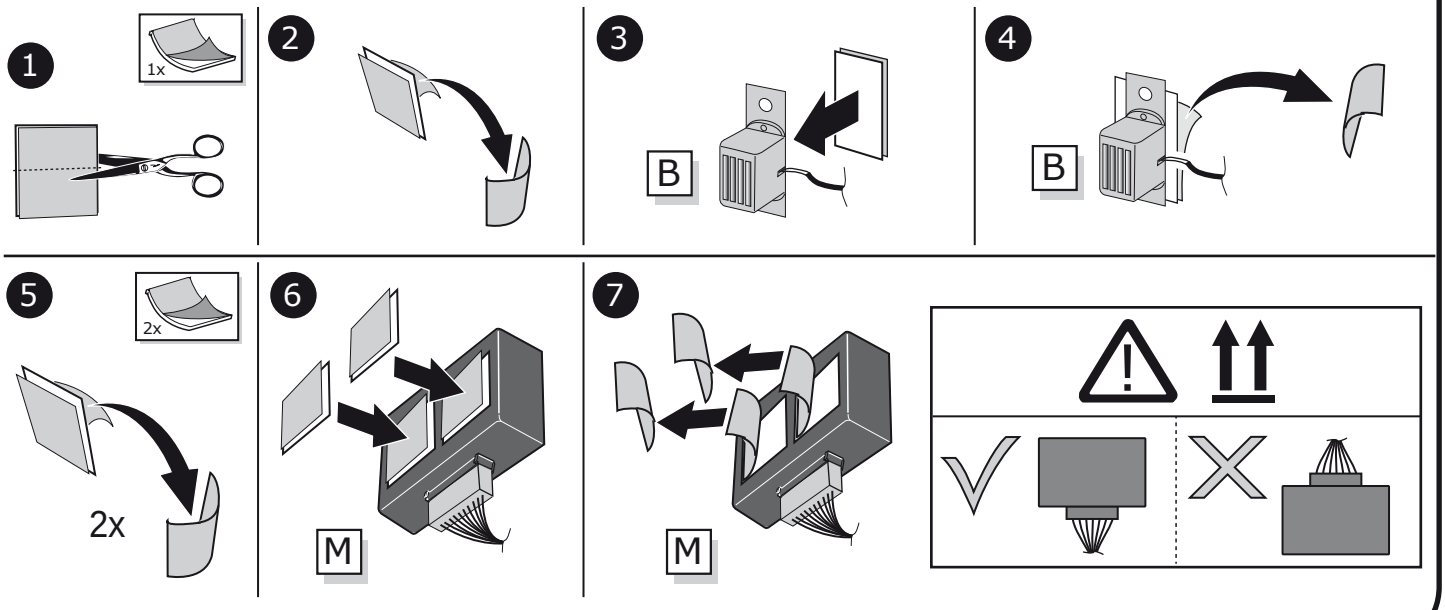
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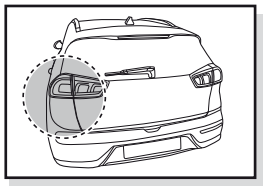
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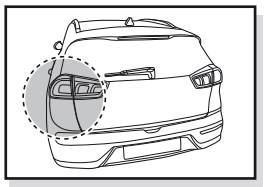
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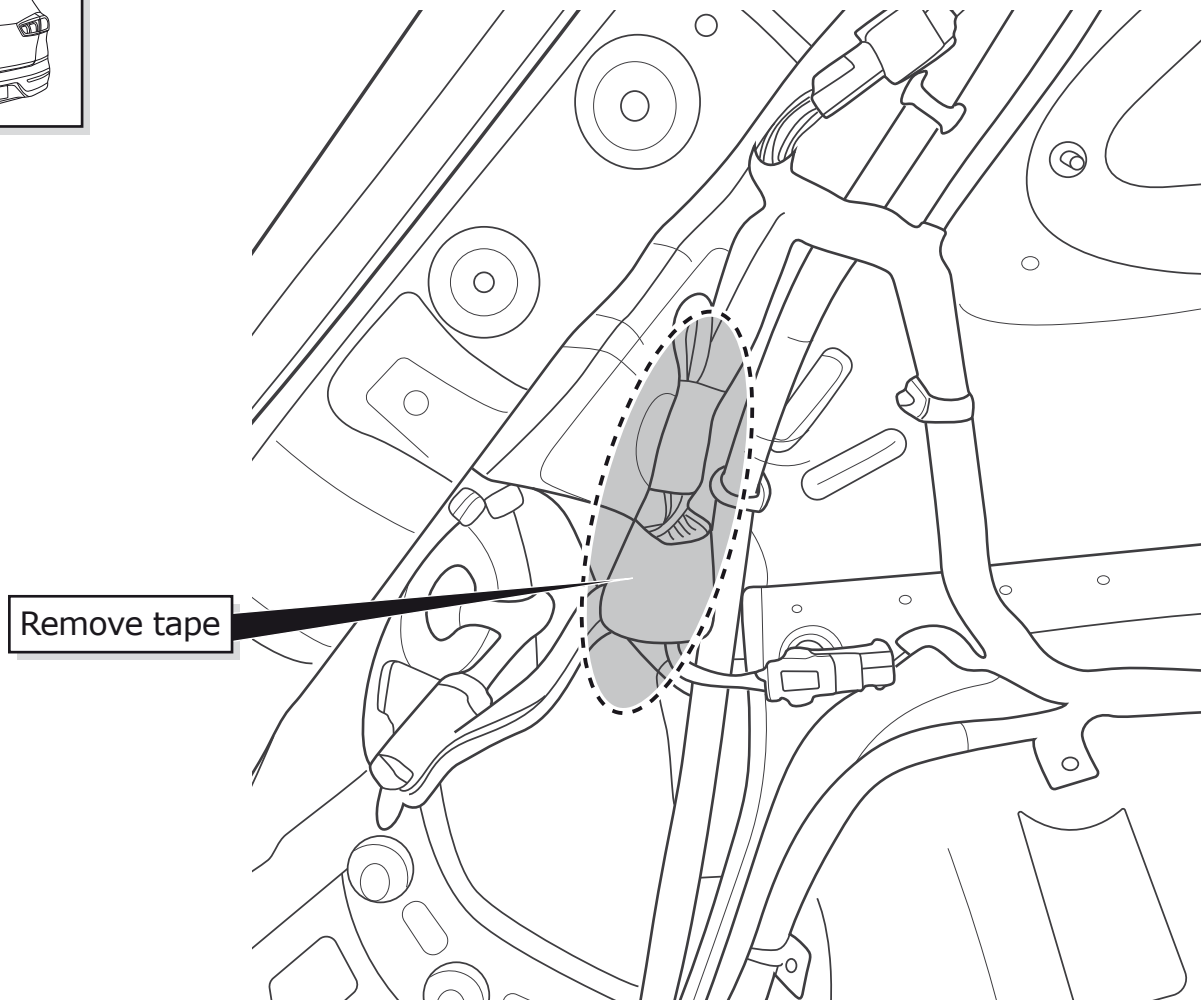


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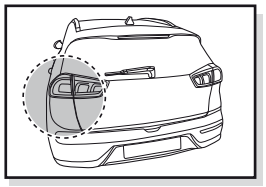


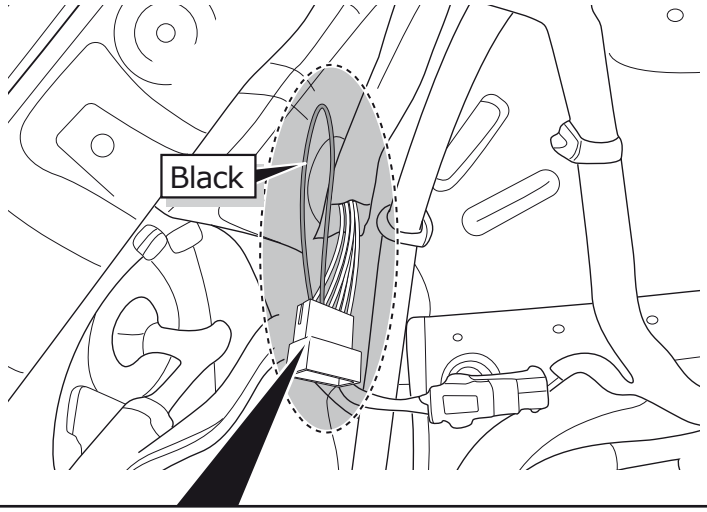
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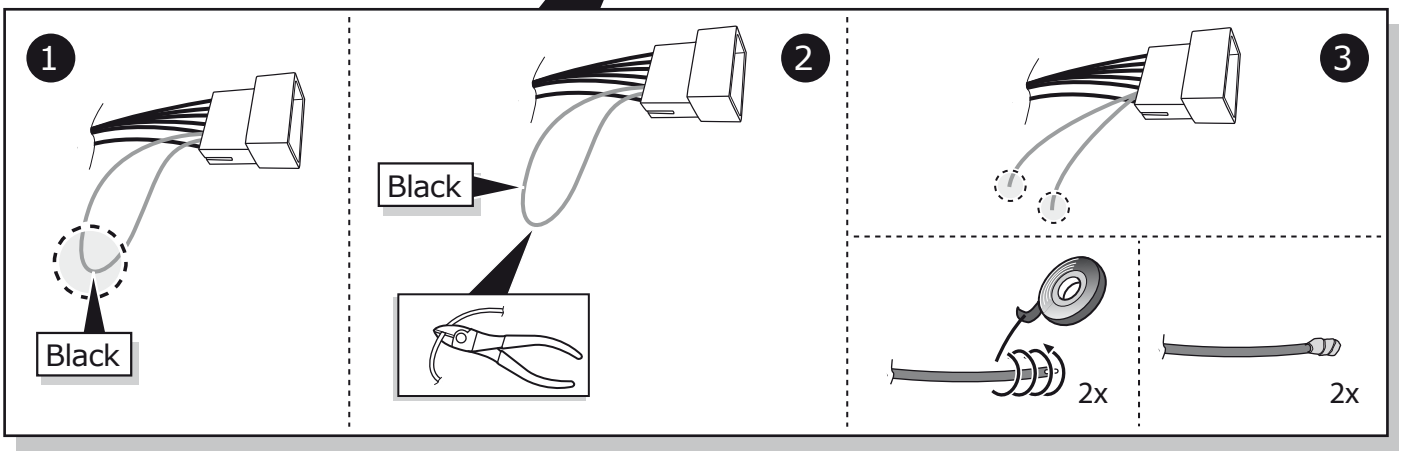




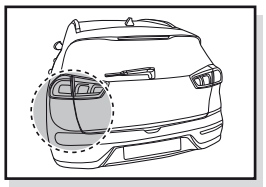
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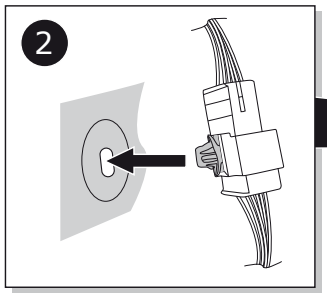


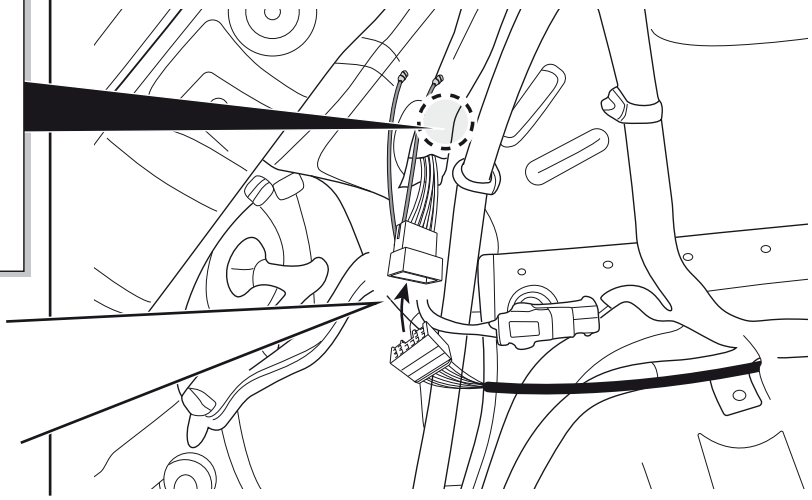


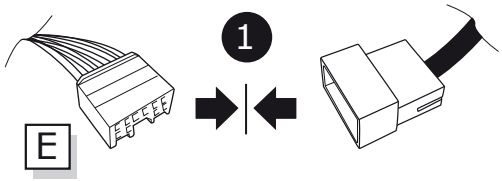


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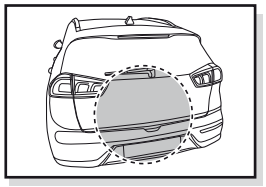




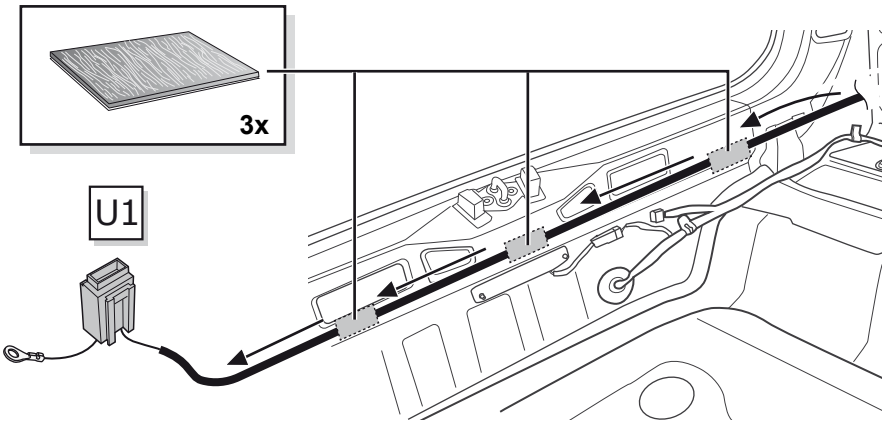




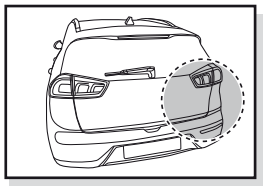
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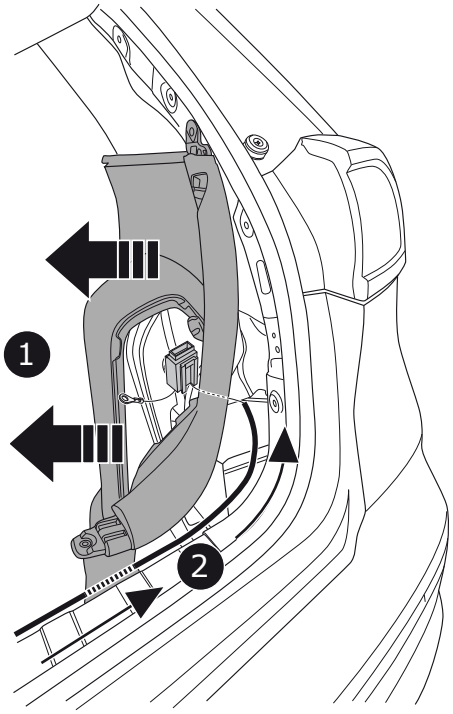
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HEV 2016 - 2017



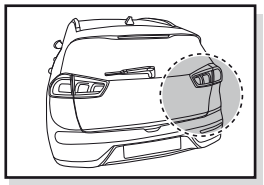
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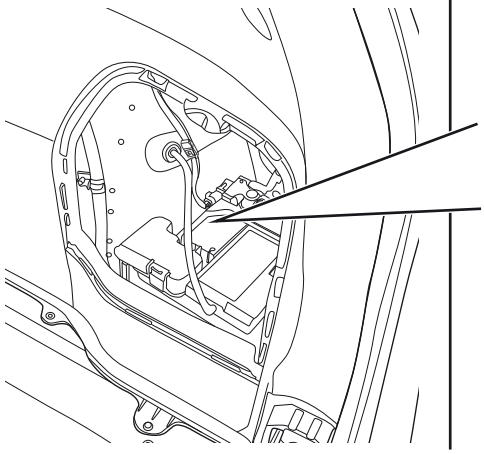
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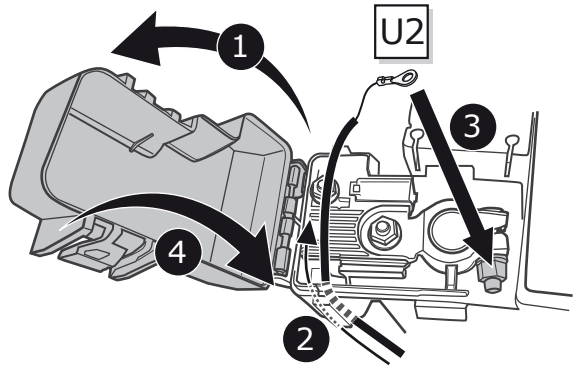


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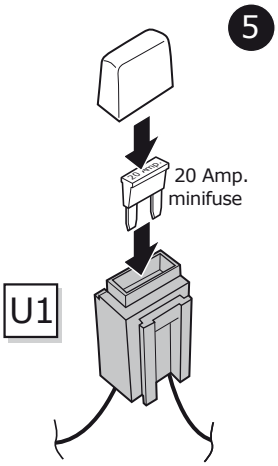


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HEV 2016 - 2017

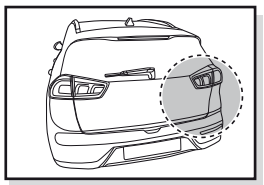




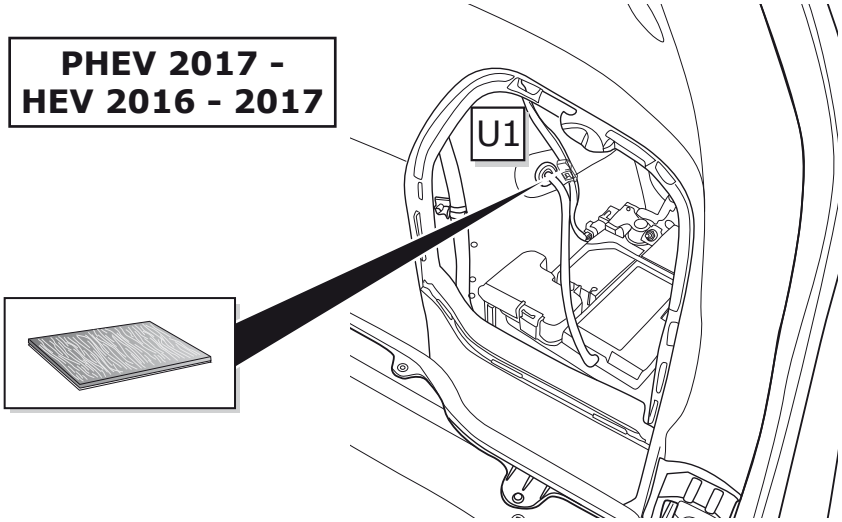
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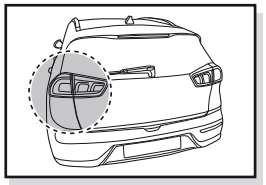
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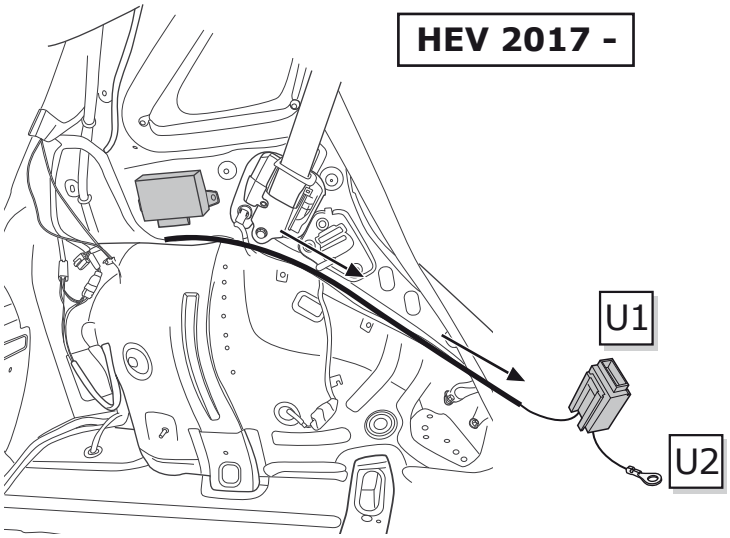
PHEV 2017 -
HEV 2016 - 2017



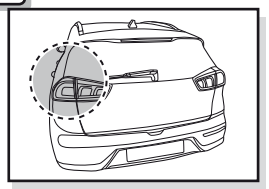
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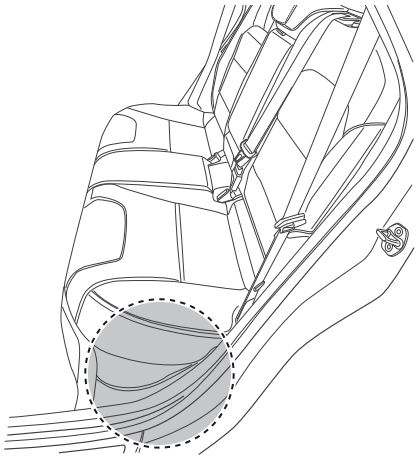


HEV 2017 -

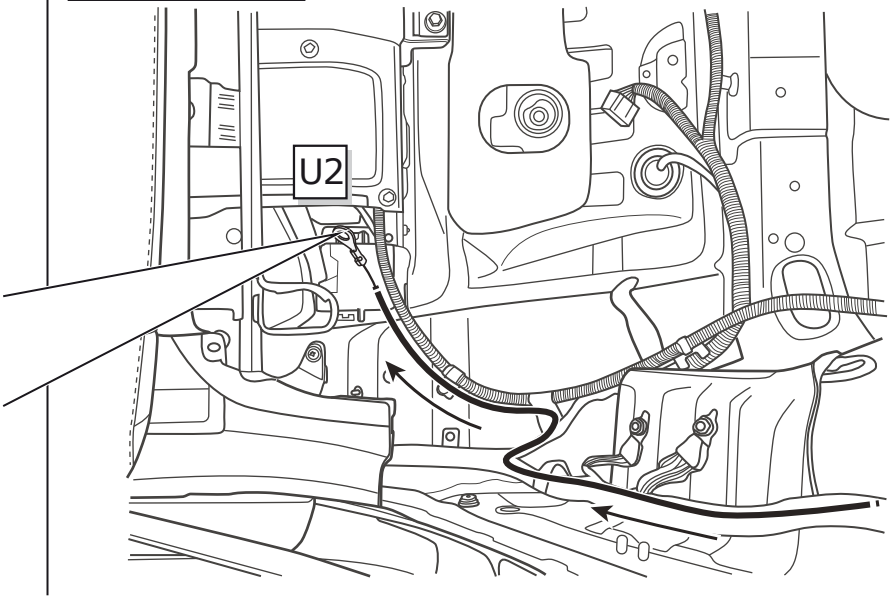


19

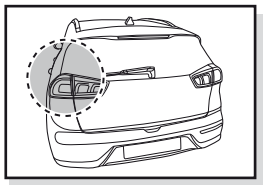


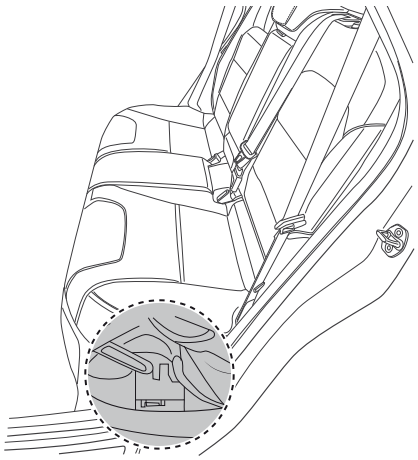


HEV 2017 -

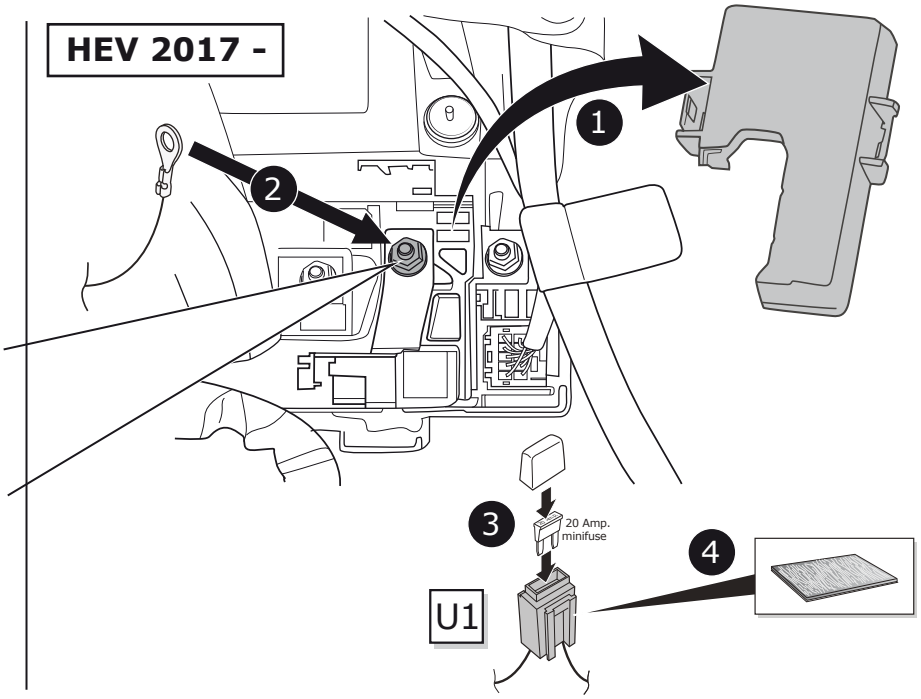


20

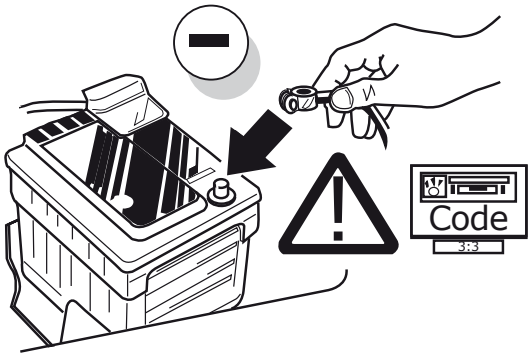




HEV 2017 -



21



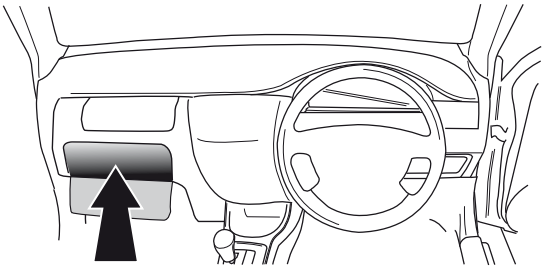
22

TEST ALL THE CIRCUITS WITH A TEST DEVICE WITH THE CORRECT POWER LOAD FOR EACH FUNCTION. A TEST DEVICE WITH LED'S CANNOT BE USED FOR THIS PURPOSE.

INFO

REINSTALL TRIM.

23





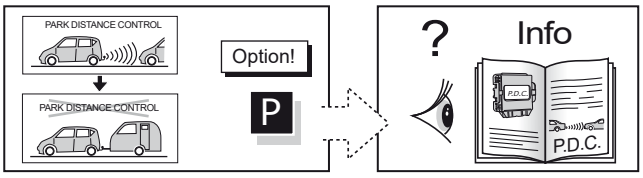
User guide



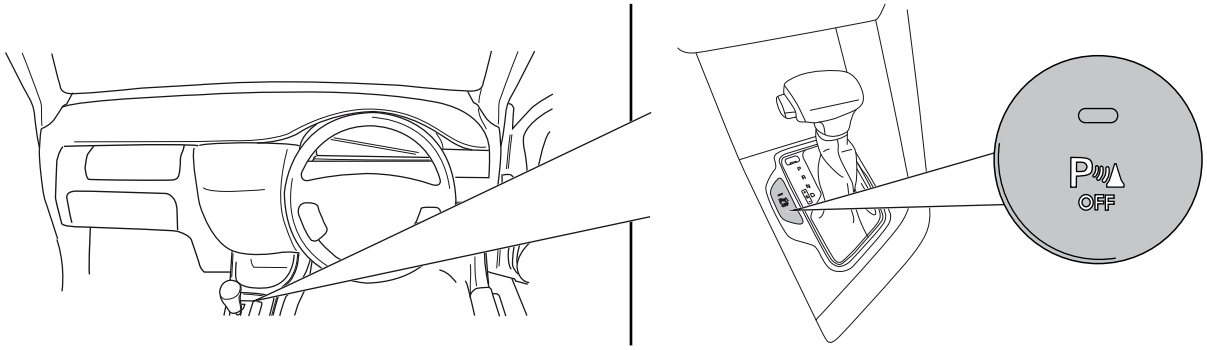
INFO

SOCKET CONNECTION

DIN/ISO 1724	⇦		⏚ 1-7	⇨		STOP	
	1/L	2	3/31	4/R	5/58-R	6/54	7/58-L
Pmax	21W	2x21W		21W	52W	3x21W	52W
Colour	Yellow	Blue	White	Green	Brown	Red	Black

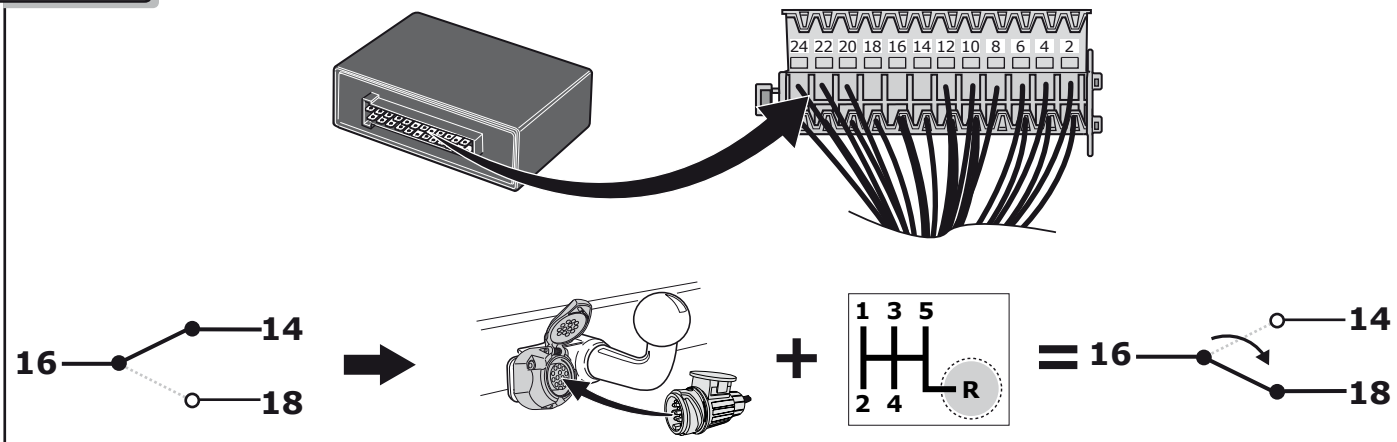


Option 1



Option 2 AUTO PARK-SENSOR SWITCH-OFF FUNCTION WITH THE 5C040 and 5C046 ECU.

FUNCTION



INFO



Locate the **PDC** (Parking Sensor) Module in the Vehicle.

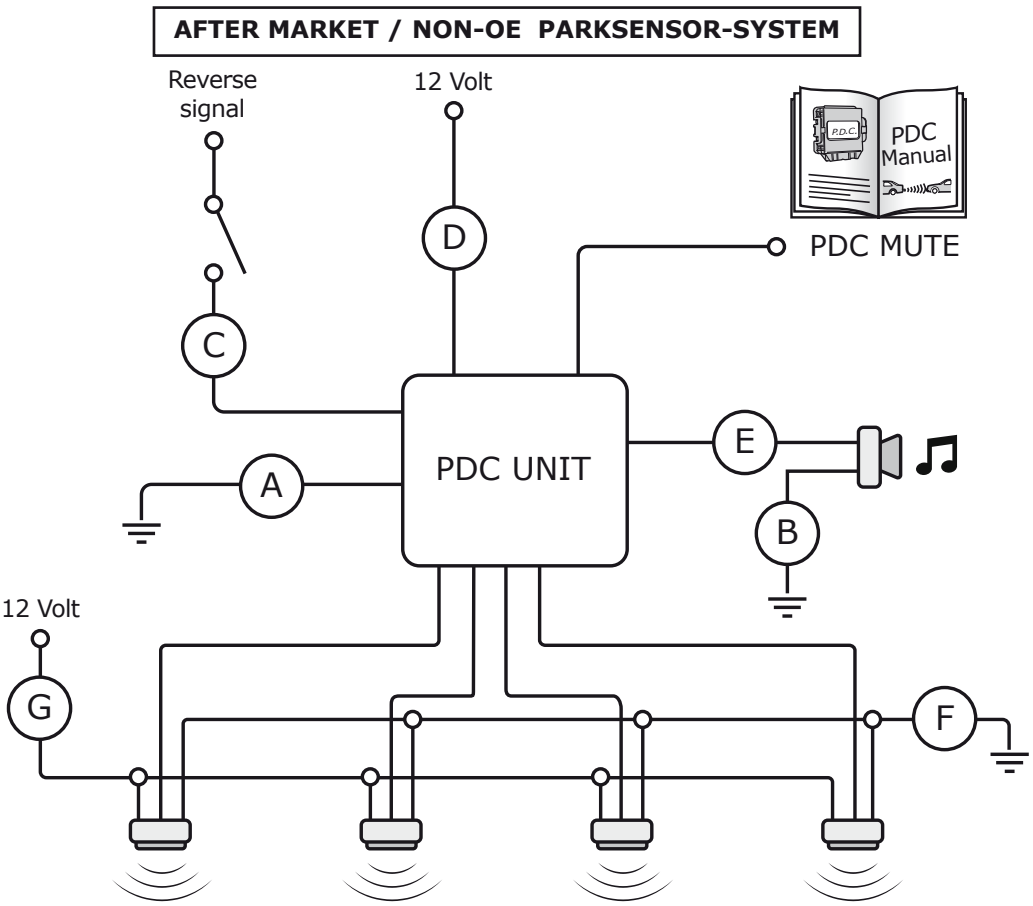
OPTION 1 When the PDC-system has no specific **MUTE** wire: Locate and cut the wire at **ONE** of the locations A-G and connect to the **ECS Towbar Wiring Kit** as shown in Option 1. Always check if cutting the wire at the selected location does not create any errors in the PDC-system or the vehicle, if so, then select another location. In this case the cut wire is connected and the system operates normally. When the trailer is connected. This wire becomes disconnected by the Trailer Module. If the same module also controls the Front Sensors then use only locations F or G to prevent the front sensors switching off.

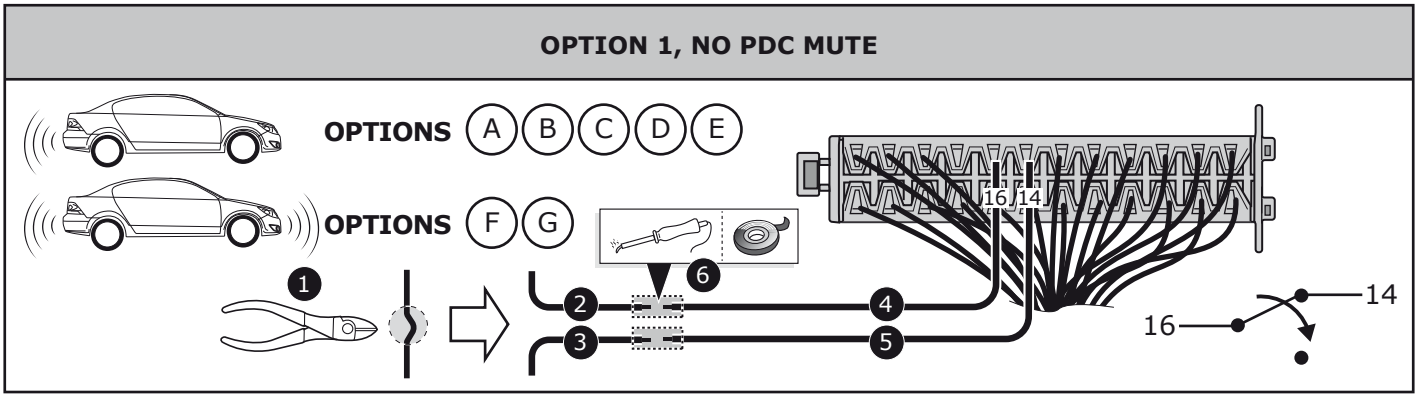
OPTION 2 When the PDC-system has a specific **MUTE** wire: Check in the manual of the PDC-sysctem which input the PDC module requires to switch off the system (+12v **or** Earth trigger). Then connect the Trigger wire of the PDC system to pin 16 of the ECS connector, and connect the required feed (+12v **or** Earth) to pin 14 and 18.

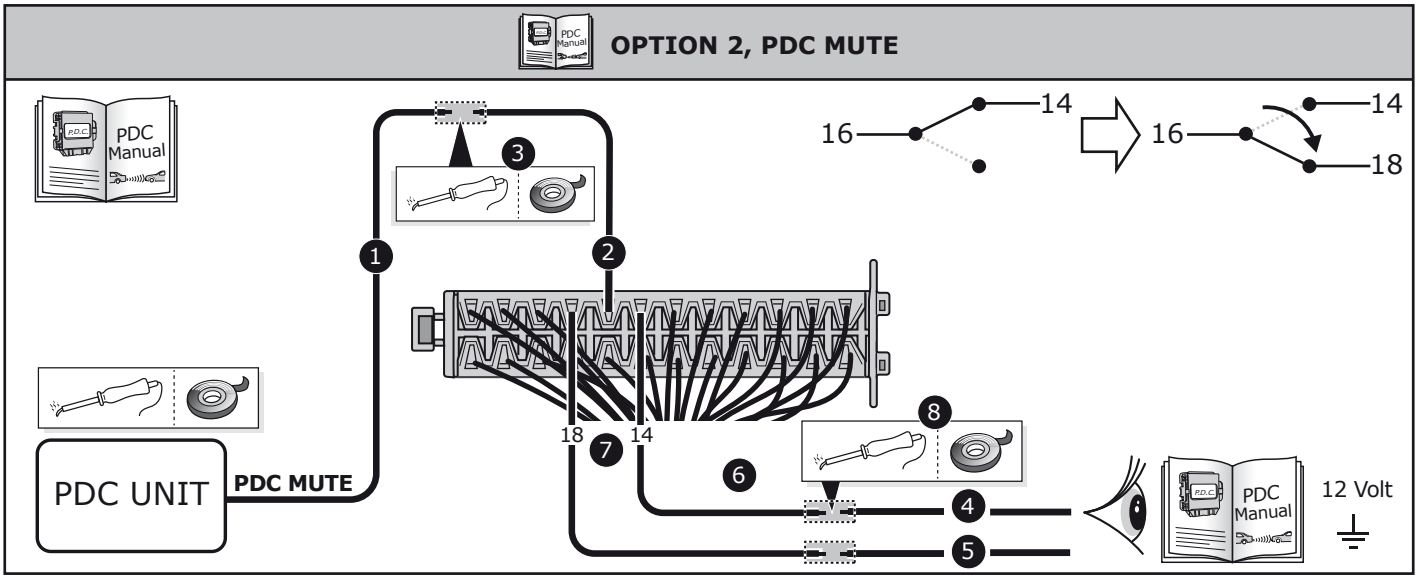
Be careful as connecting the wrong feed can cause damage to the PDC-system.

Always check Before and After installation the PDC System is working correctly, and where possible any error codes

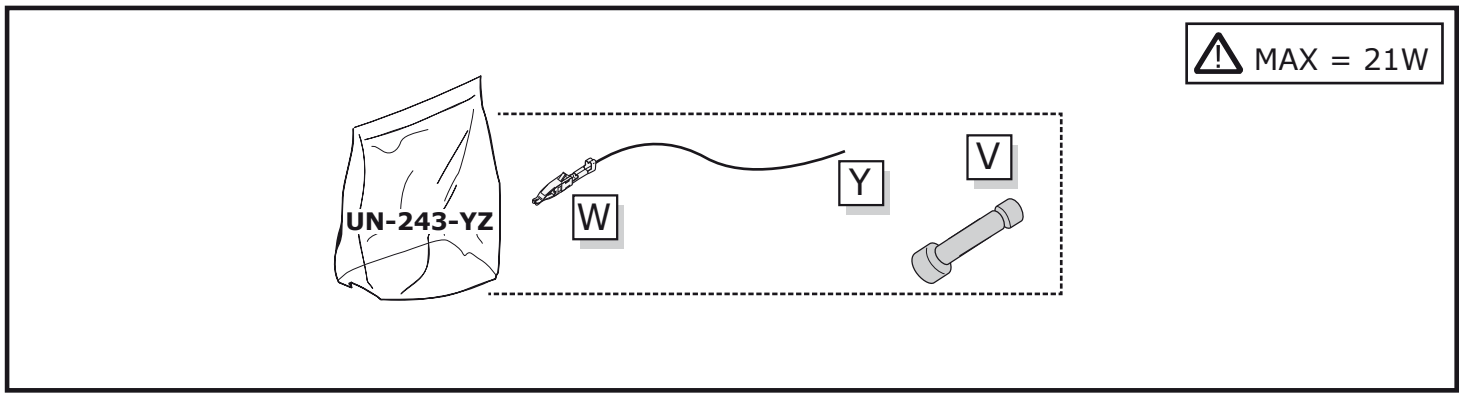
Option 2 AUTO PARK-SENSOR SWITCH-OFF FUNCTION WITH THE 5C040 and 5C046 ECU.



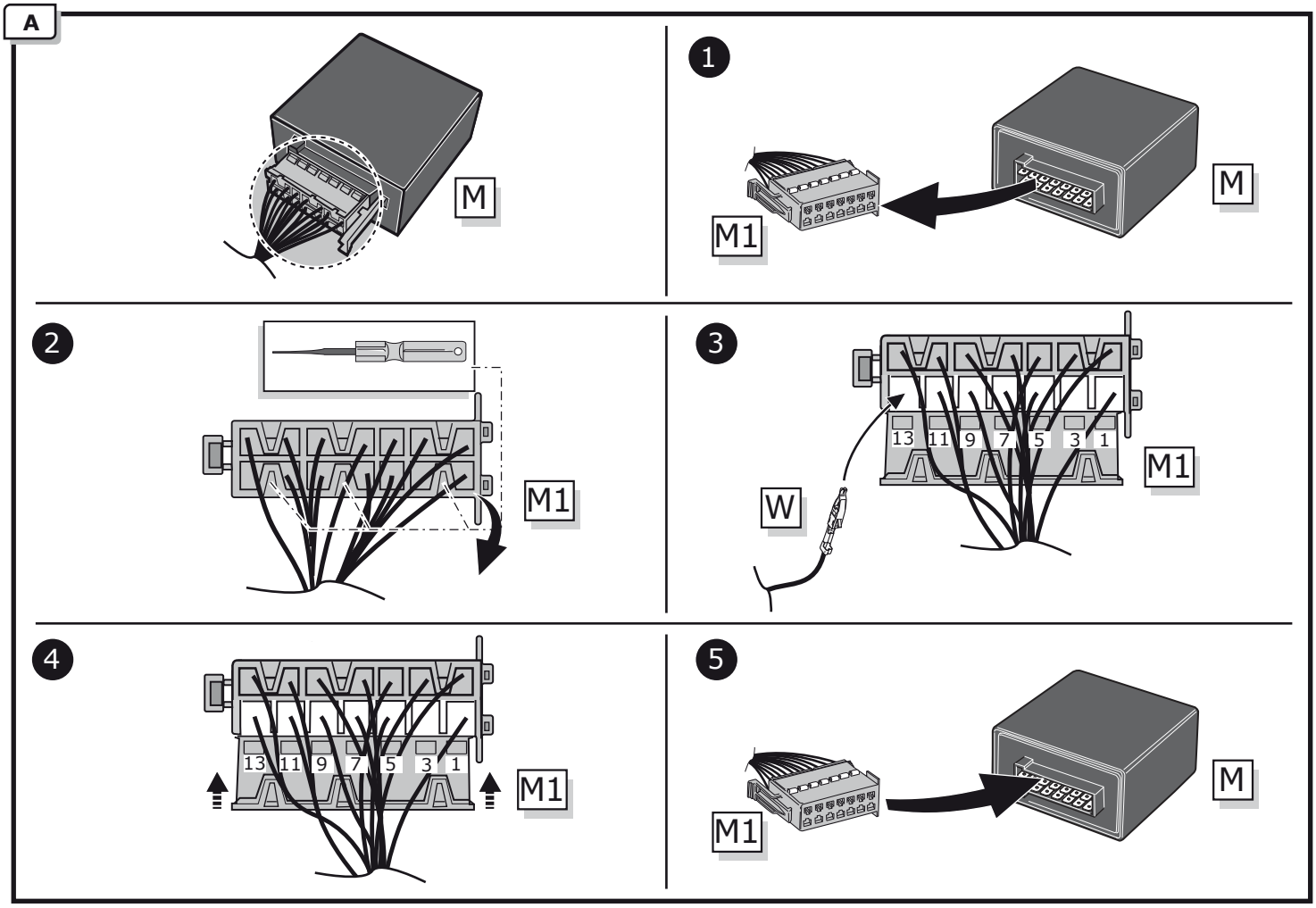




UN-243-YZ Reverse lamp pre-wire extension



A



B

