

Part No. 19500616RC HYUNDAI / KIA



Tucson

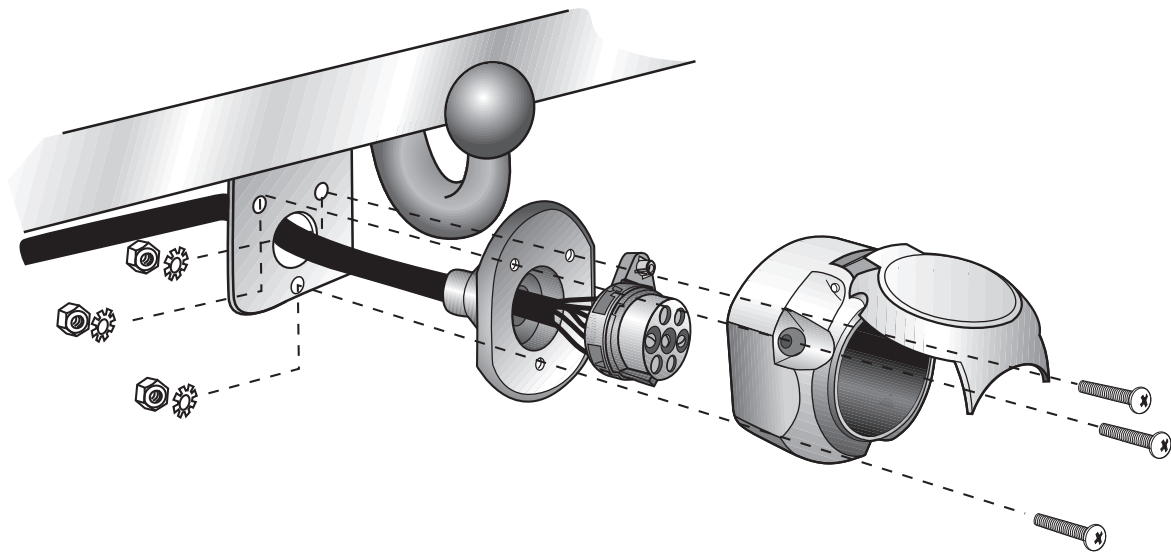
07/15 →



Sportage QL

01/16 →

Electric wiring kit for towbars / 7-pin / 12N / 12 Volt / ISO 1724 Fitting instructions



IMPORTANT!



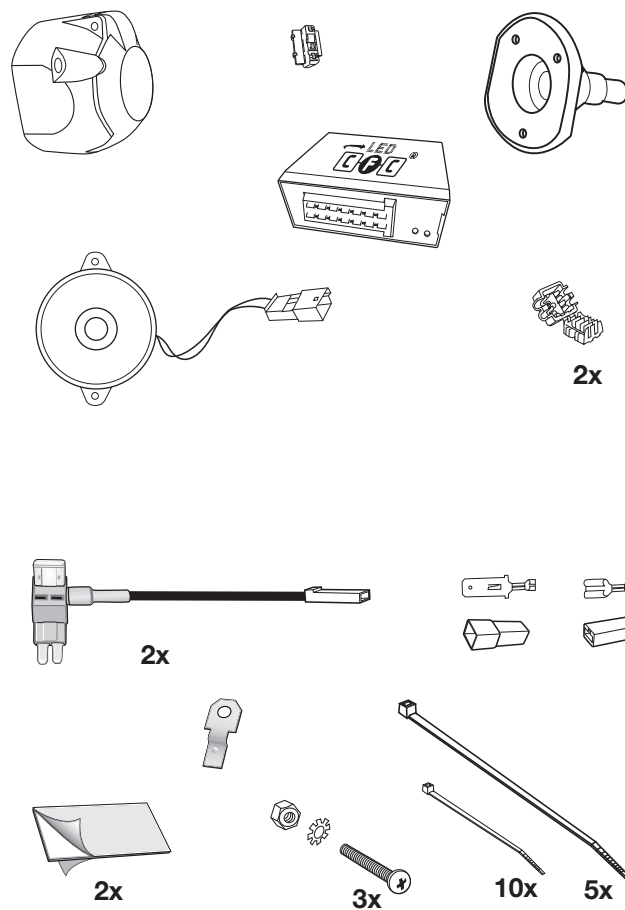
Installation of the towing electrics kit must be undertaken by a specialist workshop or an appropriately qualified person. Before starting work, you must read the installation in-structions through completely. After installing the towing electrics kit, the installation instructions should be kept with the vehicle service docu-mentation.

All claims under the guarantee will lapse in case of improper use or modification of the towing electrics kit or any of its component parts. When driving without a trailer or load carrier, any adapter installed must be removed from the electrical socket. We reserve the right to alter the design, content or colour. We accept no liability for any errors in these instructions. All details and illustrations are non-binding.

In case of missing a rear fog lamp on the trailer, it should be retrofitted.

We accept no responsibility and give no guarantee for technical and electri-cal modifications made after the initial operation of the towing electrics kit by the vehicle manufacturer and which may lead, for example to malfunc-tion of the trailer socket or its peripheries.

The trailer module is not diagnostics-capable. If the manufacturer's diagno-stics processes or software-supported test mechanisms generate error reports directly or indirectly linked with trailer operation, the trailer module must be disconnected from the leads to the trailer socket and a new diag-nostic process initiated.

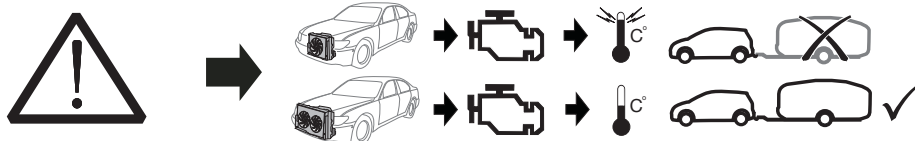
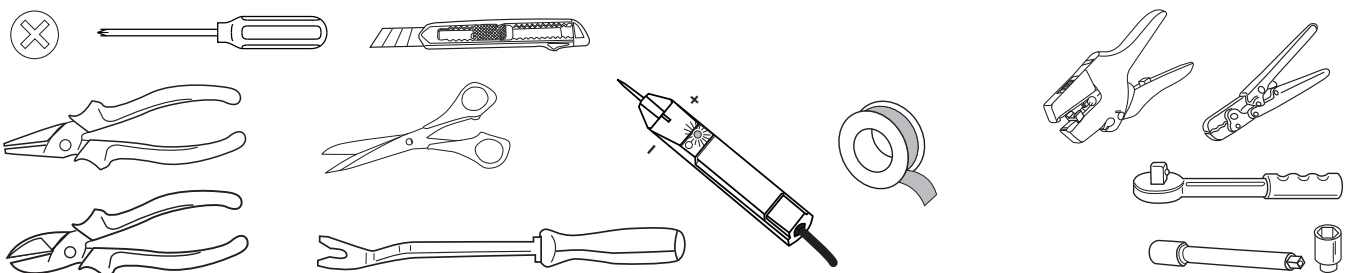


SYMBOL EXPLANATION

	left (58-L) respectively right (58-R) tail light
	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
	Permanent current power supply
	Ground or Earth (31)
	ground connection battery terminal lug
	positive connection battery terminal lug
	fuse / fuse capacity 20 Ampère

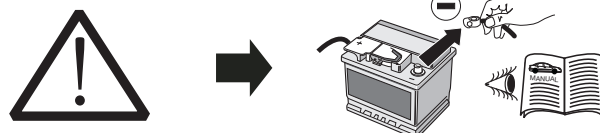
	cigarette lighter / accessory socket
	loudspeaker / buzzer
	Park Distance Control
	switch / source of function
	Connect together
	Disconnect
	Look at / See further information
	Look carefully at selected area
	Present / Occupied / OK
	Not present / Not occupied / Not OK
	left
	right
	acoustic indication
	attention / important advice

Tools



ATTENTION!

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

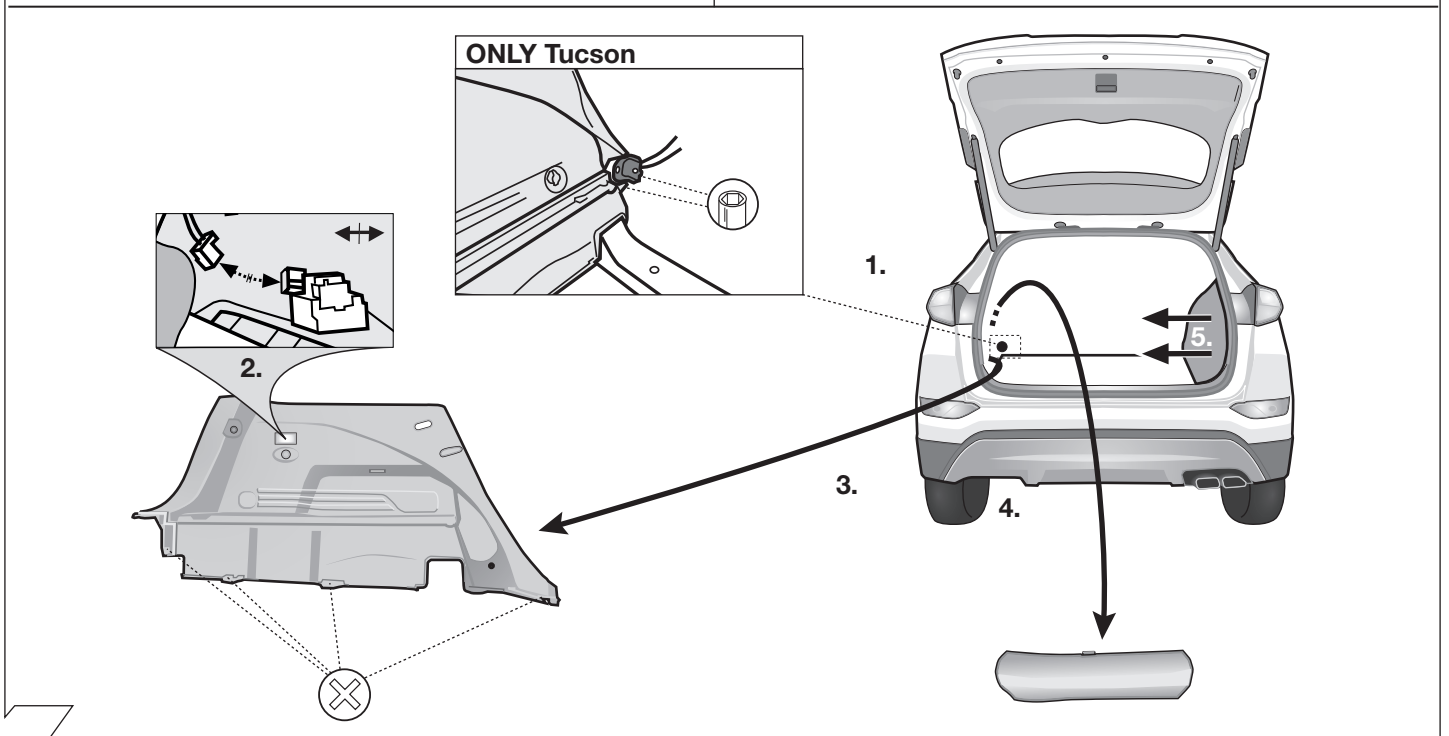
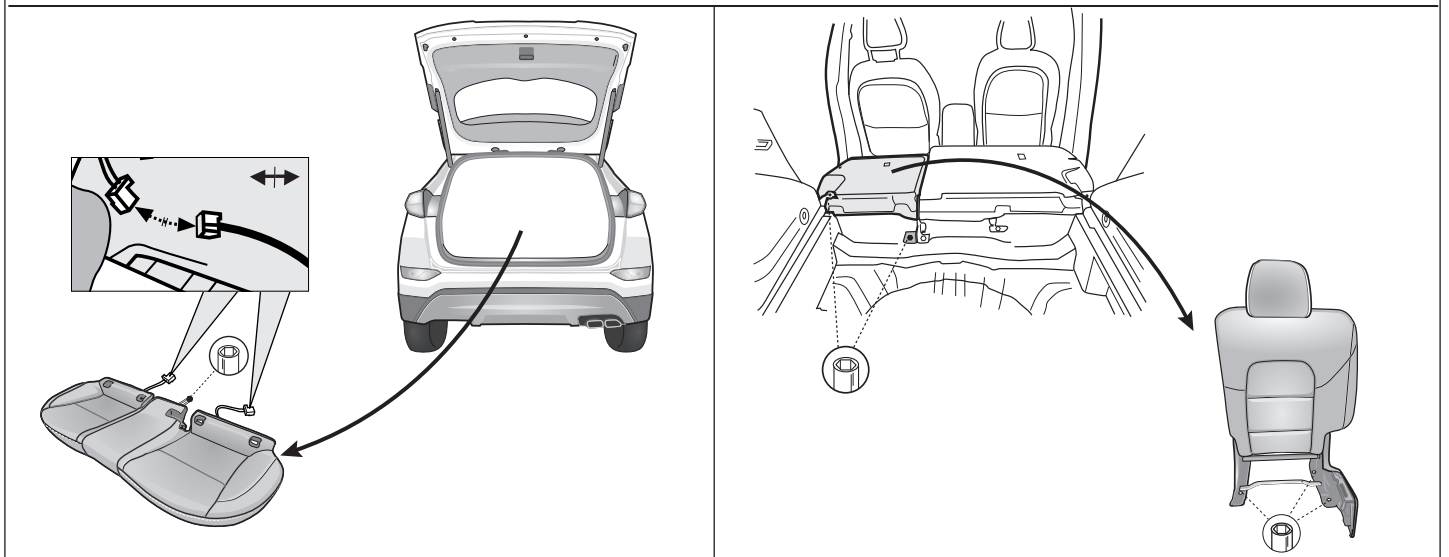
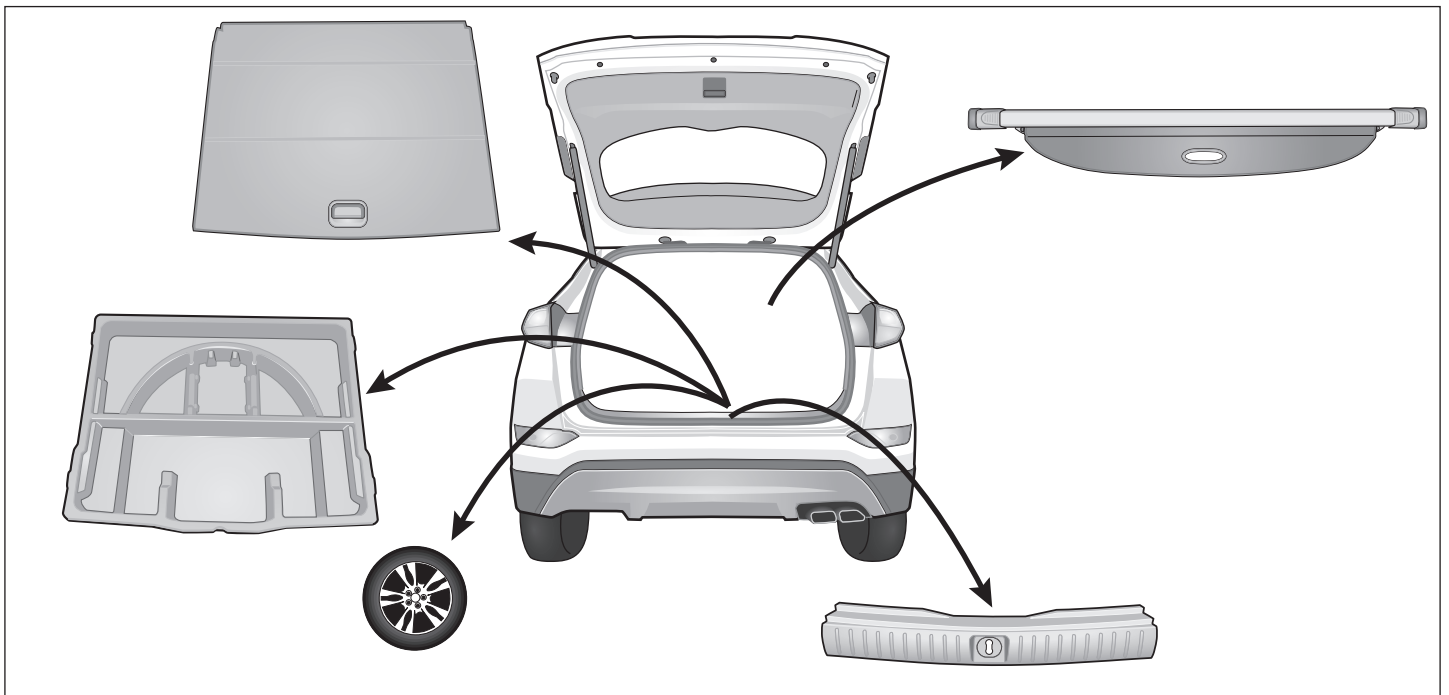


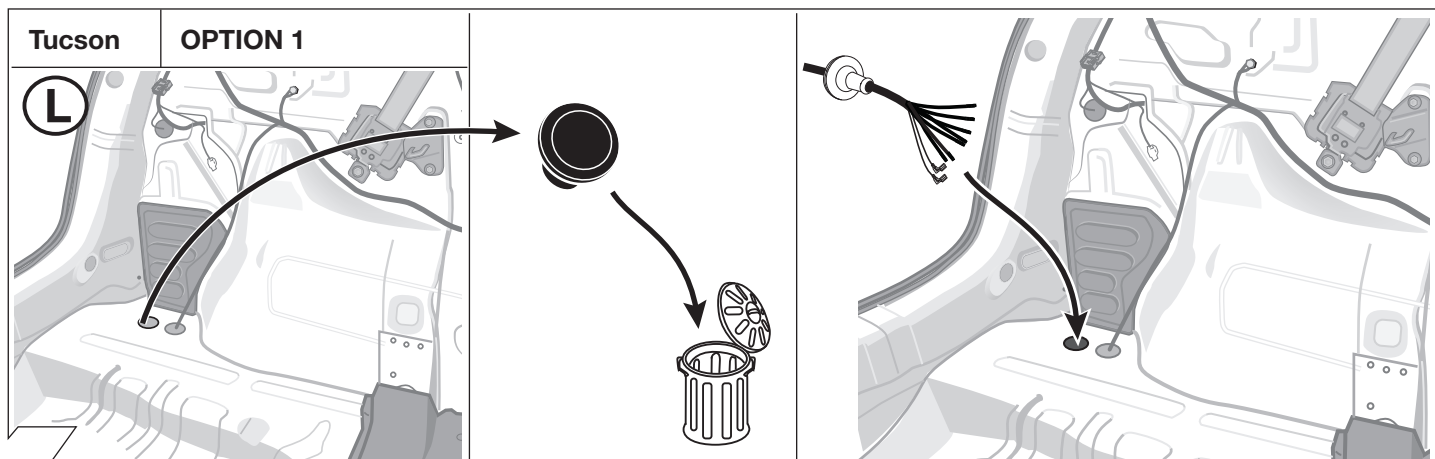
ATTENTION!

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**!

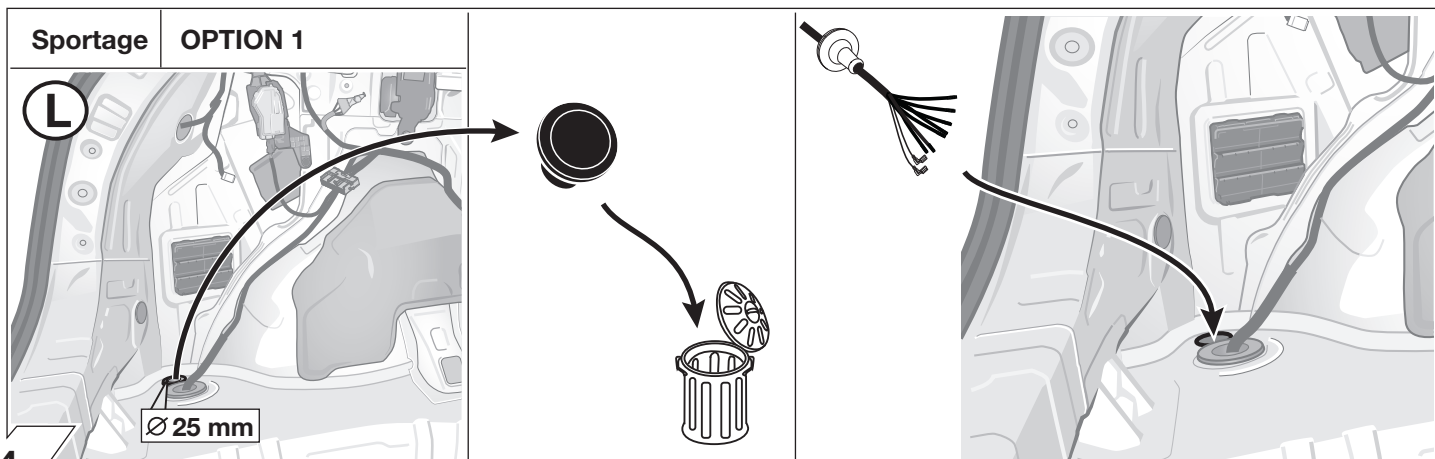
Both the trailer module and the vehicle's control unit for the electrical system can be damaged during work on the data bus connections if the battery is not disconnected!

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

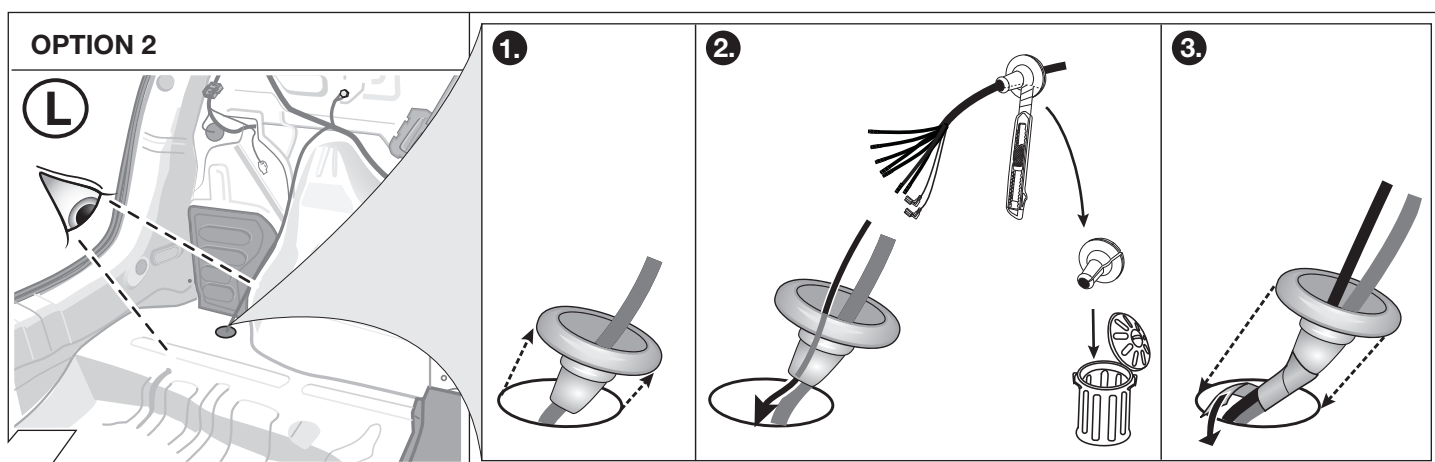




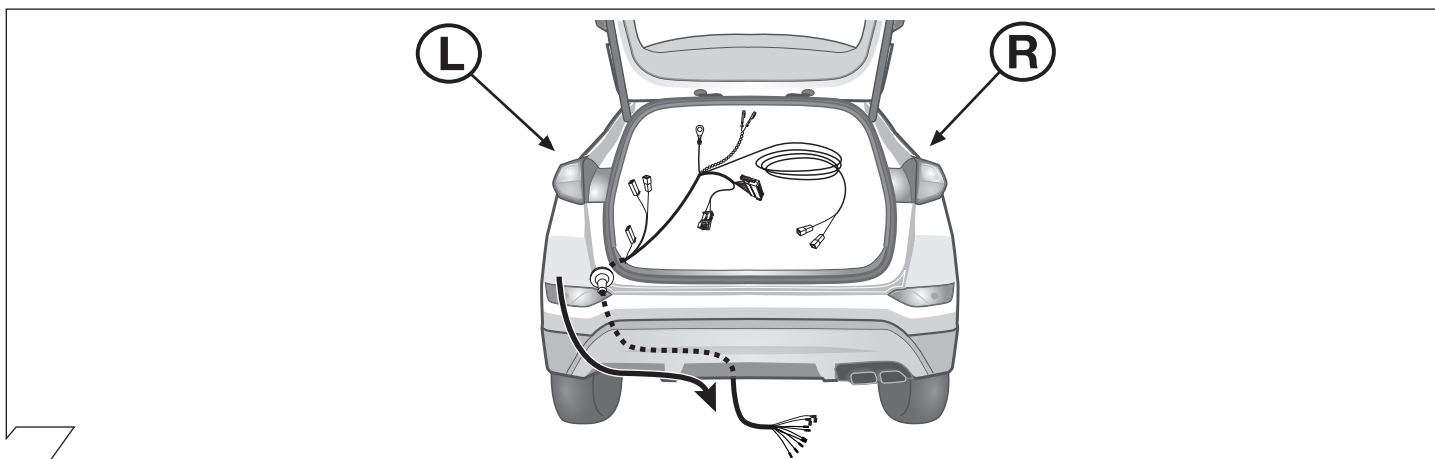
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4

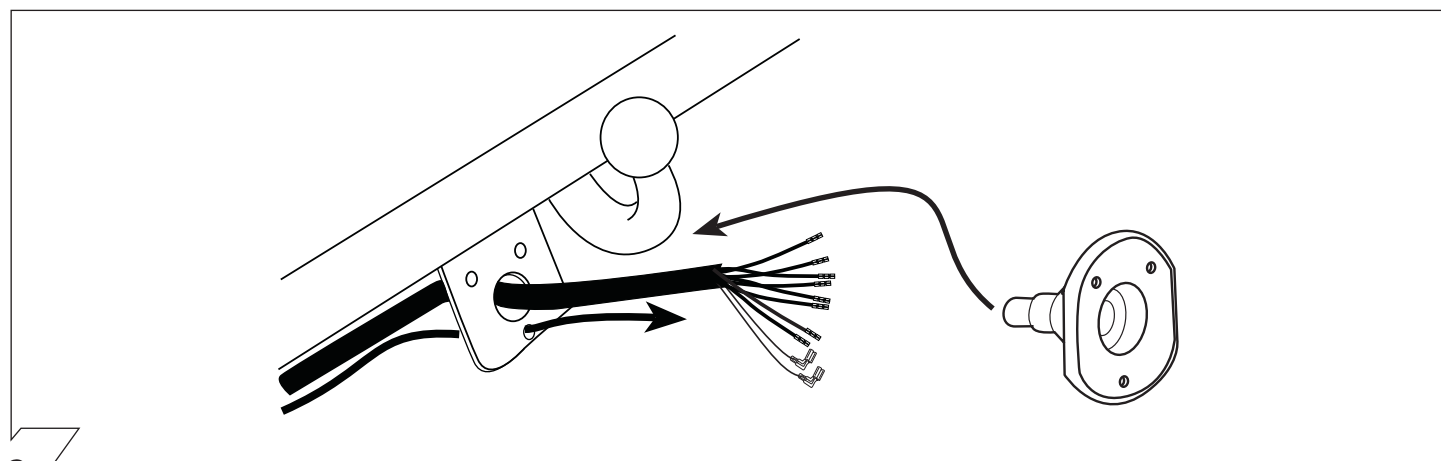


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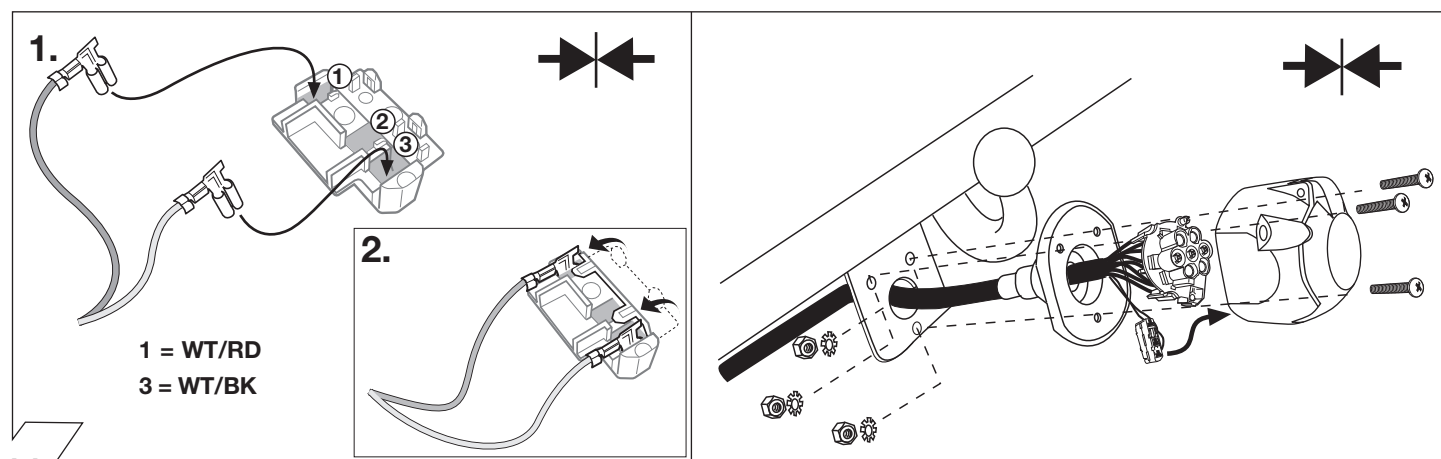


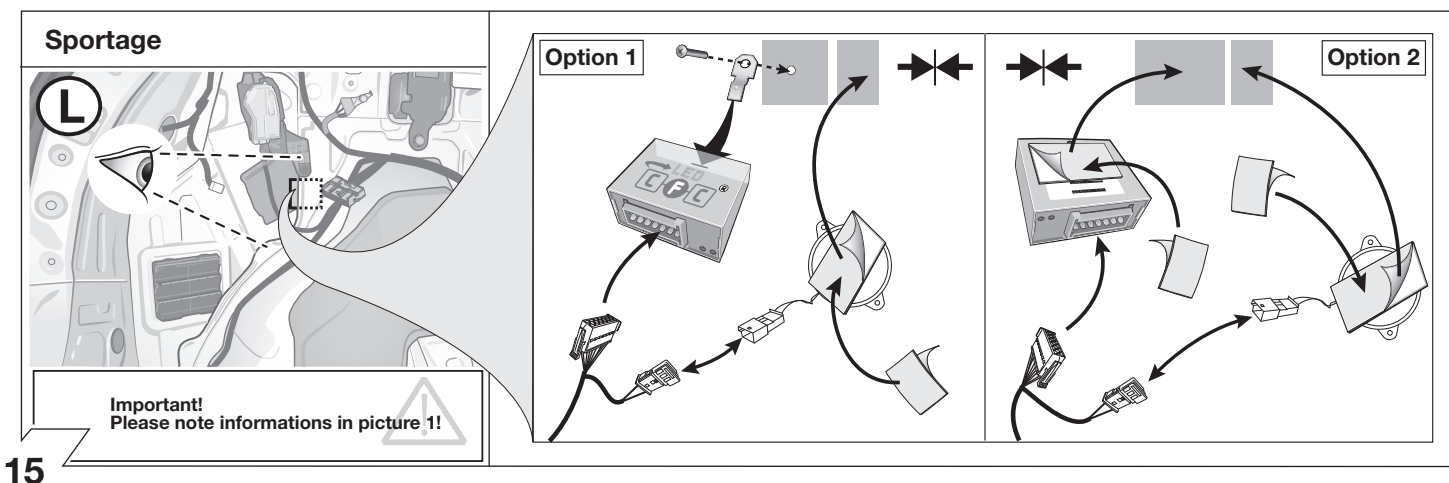
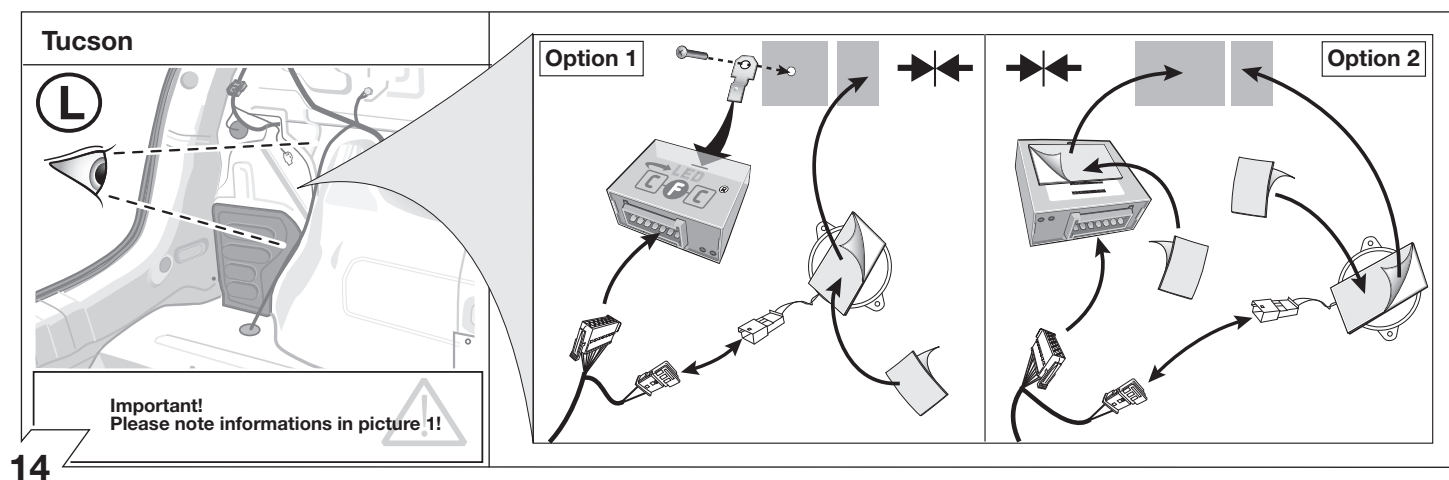
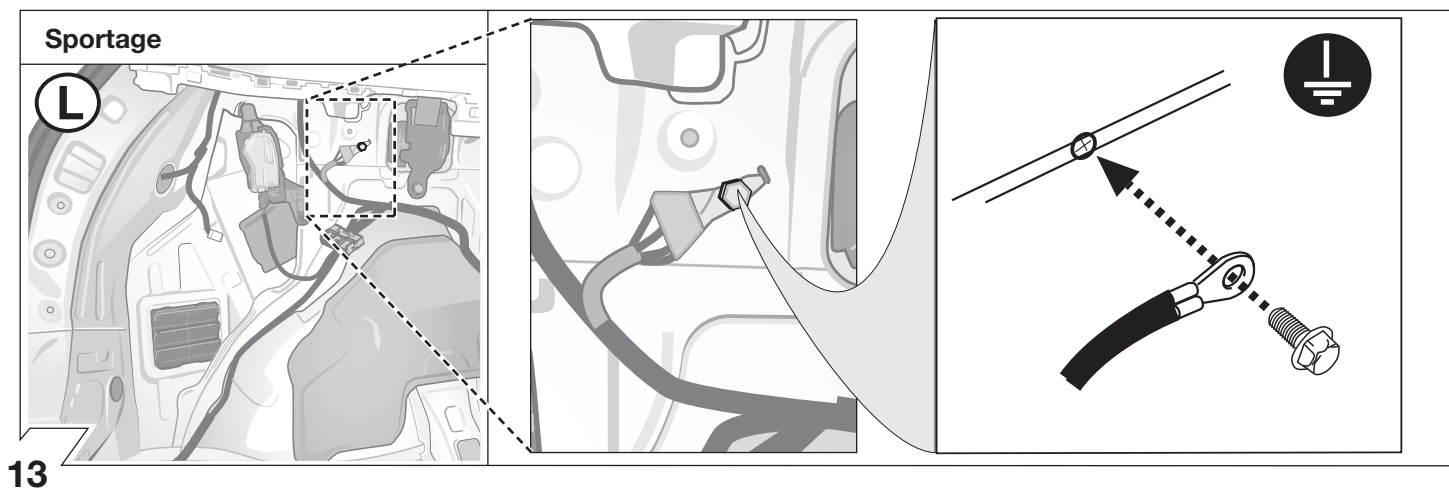
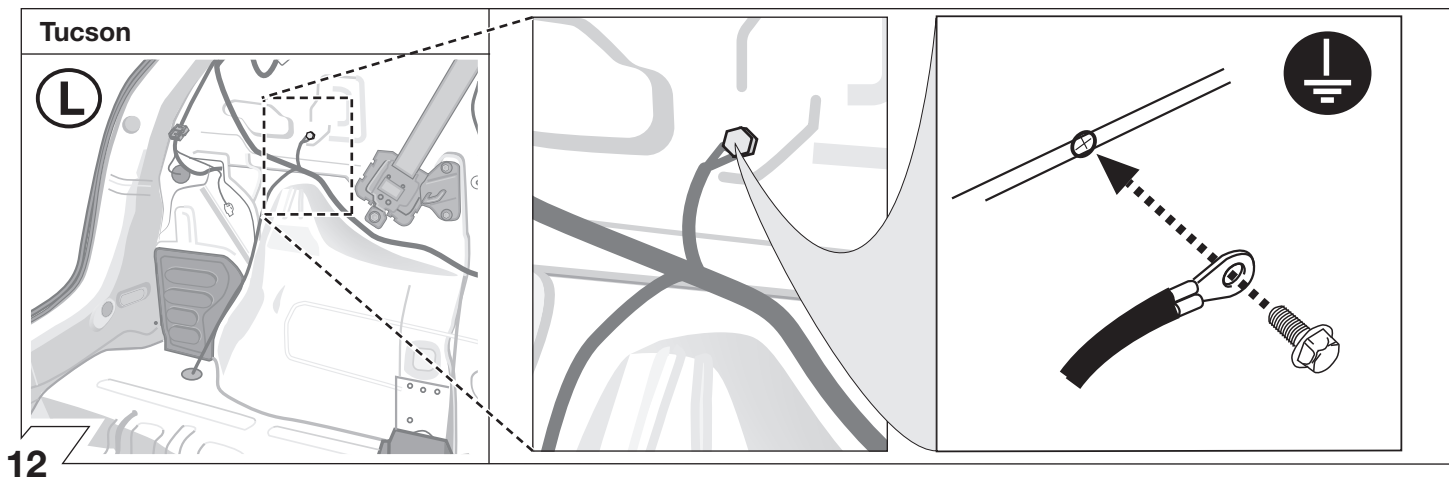
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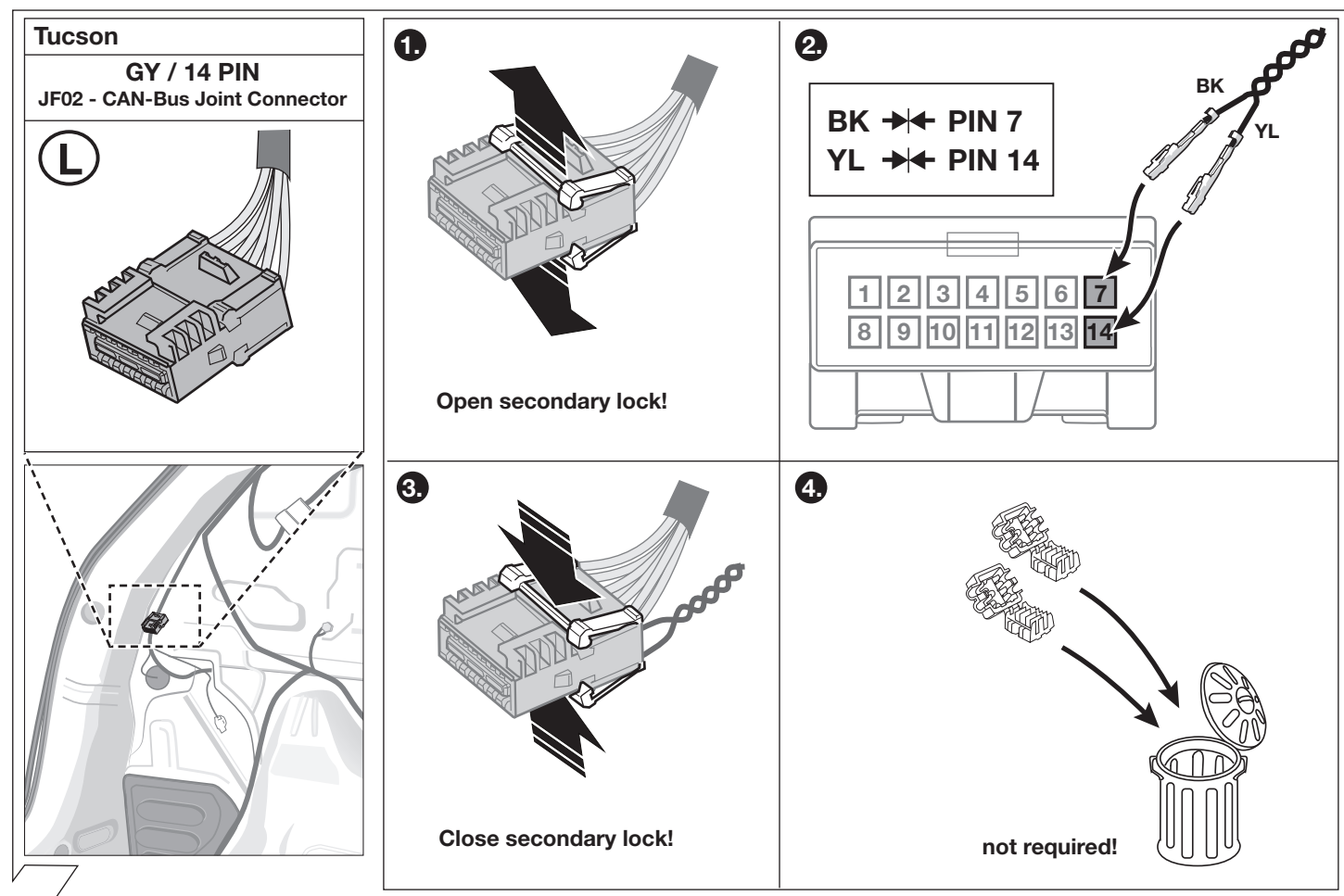
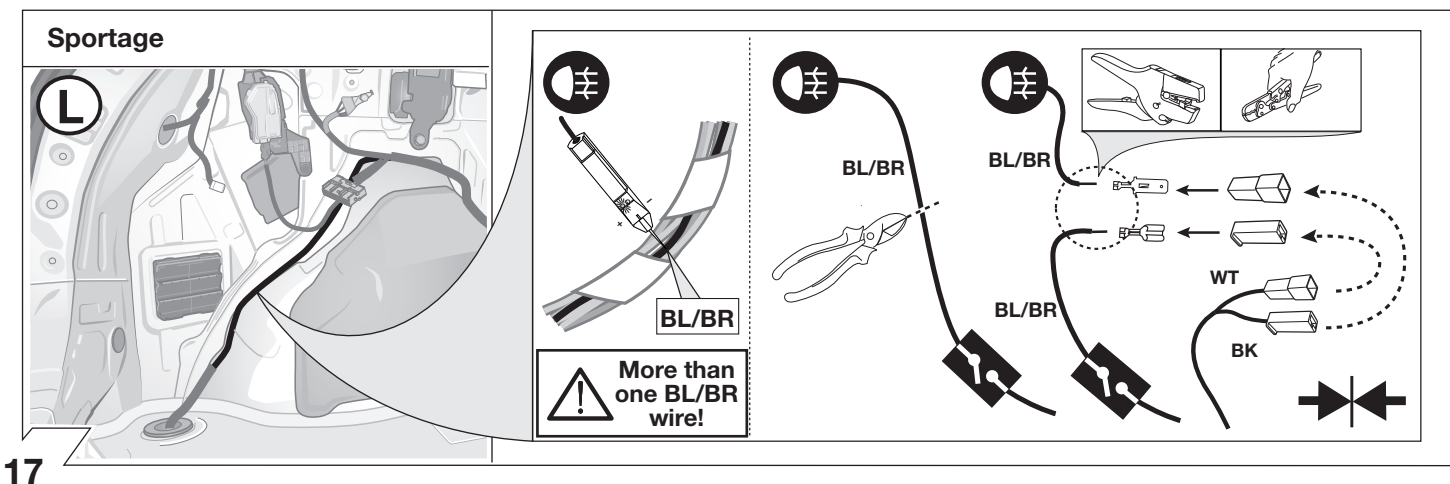
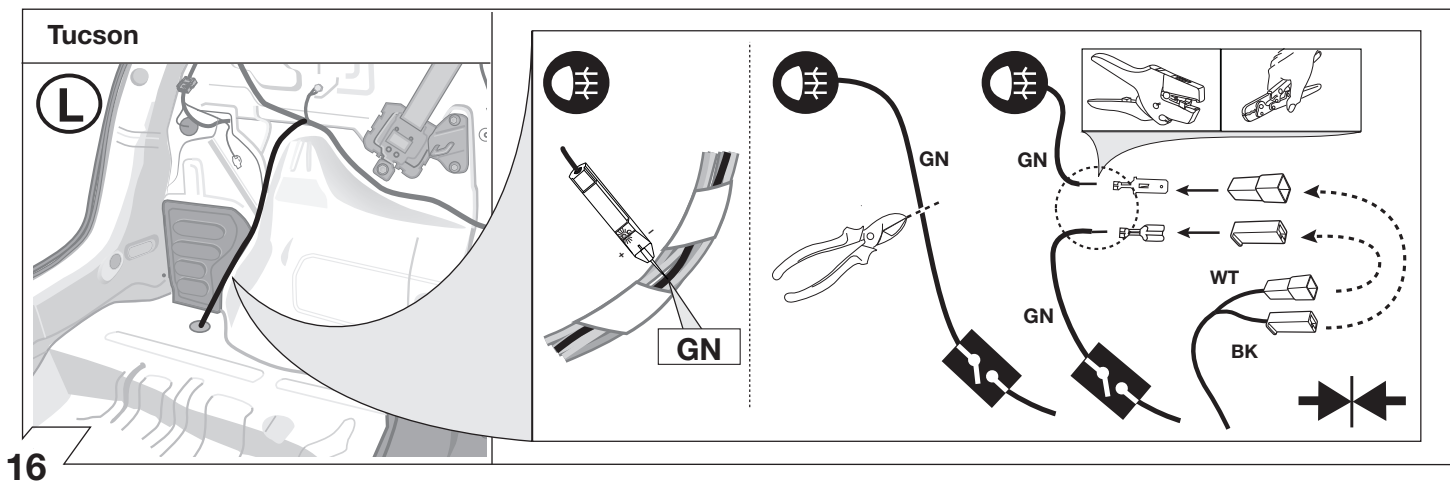
	GB	D	E	F	I	P	NL	DK	N	S	FIN	CZ	H	PL
BK	Black	Schwarz	Negro	Noir	Nero	Preto	Zwart	Sort	Svart	Svart	Musta	Černá	Fekete	Czarny
RD	Red	Rot	Rojo	Rouge	Rosso	Vermelho	Rood	Rød	Rød	Röd	Punainen	Červená	Piros	Czerwony
GN	Green	Grün	Verde	Vert	Verde	Verde	Groen	Grøn	Grønt	Grön	Vihreä	Zelená	Zöld	Zielony
OR	Orange	Orange	Naranja	Orange	Arancione	Laranja	Oranje	Orange	Orange	Orange	Oranssi	Oranzová	Narancs	Pomarańczowy
VT	Violet	Violett	Violeta	Violet	Viola	Violeta	Violet	Violet	Fiolett	Violett	Violetti	Fialová	Ibolya	Fioletowy
PK	Pink	Pink	Pink	Rose	Rosa	Cor-de-Rosa	Paars	Pink	Pink	Rosa	Pinkki	Růžová	Rózsaszín	Różowy
BL	Blue	Blau	Azul	Bleu	Blu	Azul	Blauw	Blå	Blått	Blå	Sininen	Modrá	Kék	Niebieski
YL	Yellow	Gelb	Amarillo	Jaune	Giallo	Amarelo	Geel	Gul	Gult	Gul	Keltainen	Zlutá	Sárga	Żółty
WT	White	Weiss	Blanco	Blanc	Bianco	Branco	Wit	Hvid	Hvitt	Vit	Valkoinen	Bílá	Fehér	Biały
BR	Brown	Braun	Marrón	Brun	Marrone	Marrom	Bruin	Brun	Brunt	Brun	Ruskea	Hnědá	Barna	Brazowy
GY	Grey	Grau	Gris	Gris	Grigio	Cinzeno	Grijs	Grå	Grått	Grå	Harmaa	Sedá	Szürke	Szary



ISO 1724	Socket configuration / Maximum power output Belegung der Steckdose / Maximale Ausgangsleistung			
	1/L	BK/WT	21W	
	2	WT	42W	
	3/31	BR		
	4/R	BK/GN	21W	
	5/58-R	GY/RD	52W	
	6/54	BK/RD	63W	
	7/58-L	GY/BK	52W	
	8	BK		

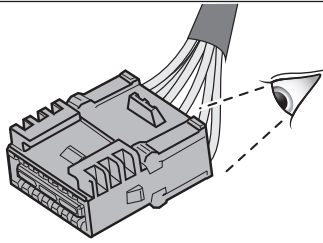




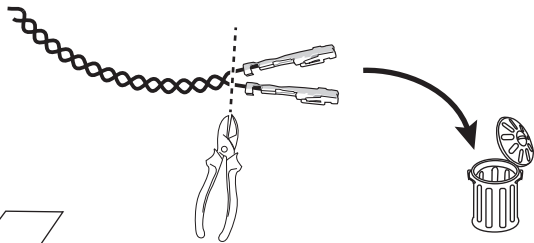
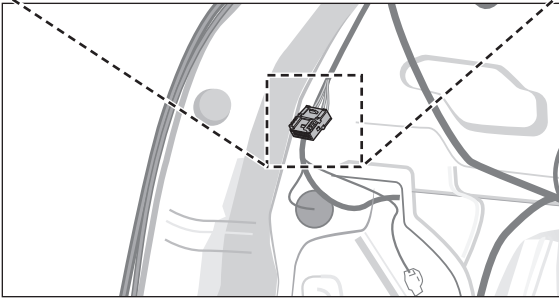


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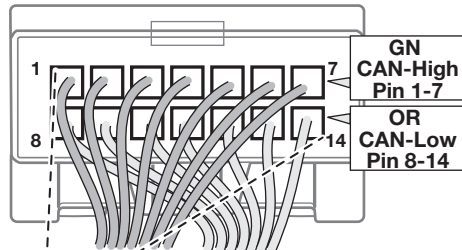
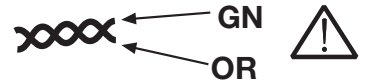
(L)



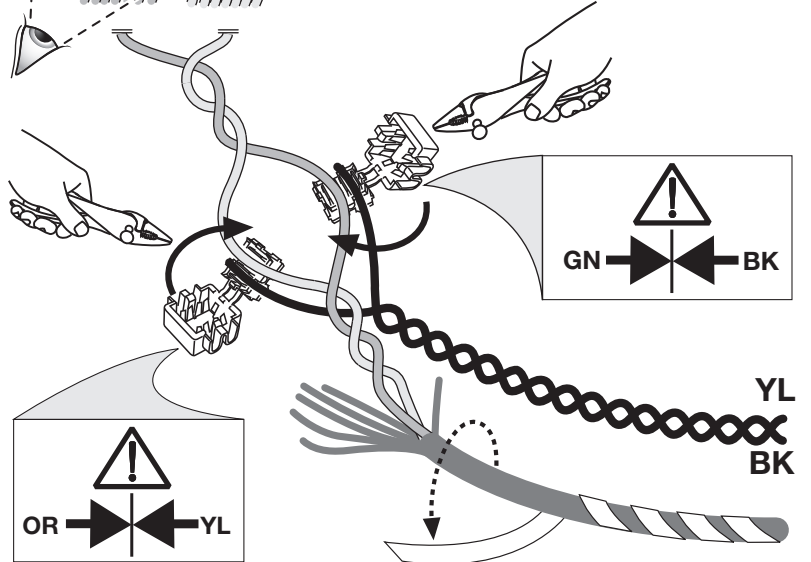
GY / 14 PIN
JF02 - CAN-Bus Joint Connector



CAN-Data Wire



Important!
Please note informations
in picture 1!

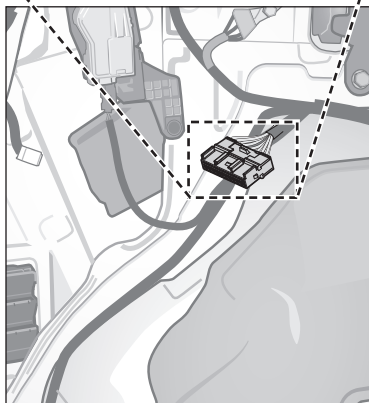
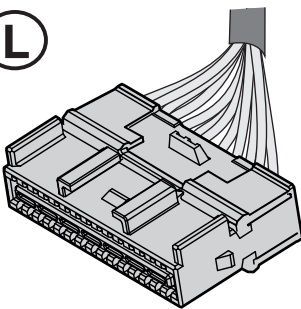


19

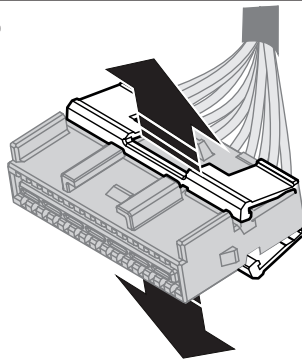
Sportage

BR / 30 PIN
JF01 - CAN-Bus Joint Connector

(L)



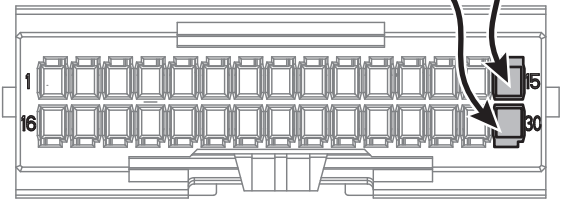
1.



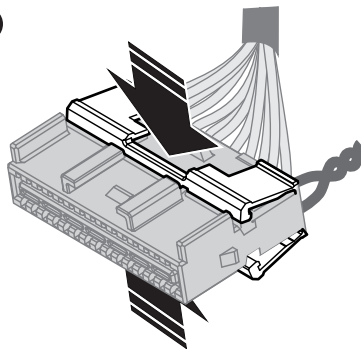
Open secondary lock!

2.

BK → PIN 15
YL → PIN 30

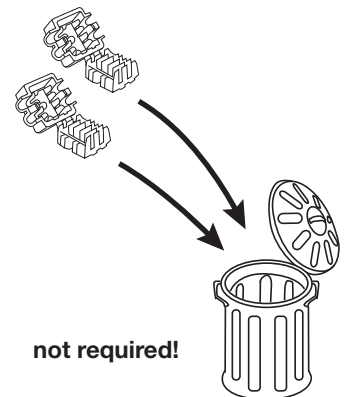


3.



Close secondary lock!

4.

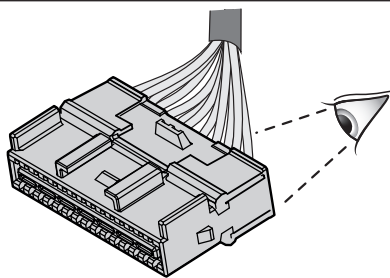


not required!

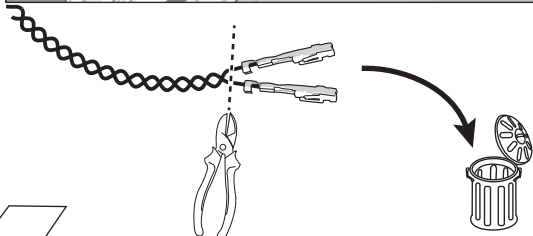
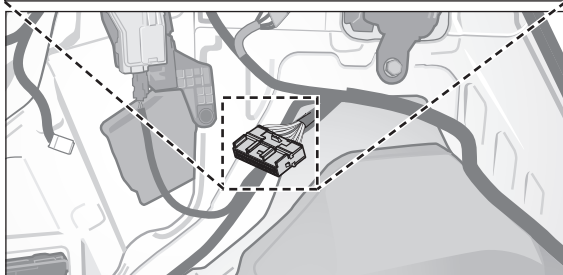
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Sportage

L



BR / 30 PIN
JF01 - CAN-Bus Joint Connector

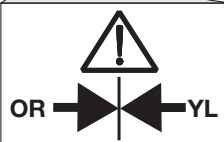
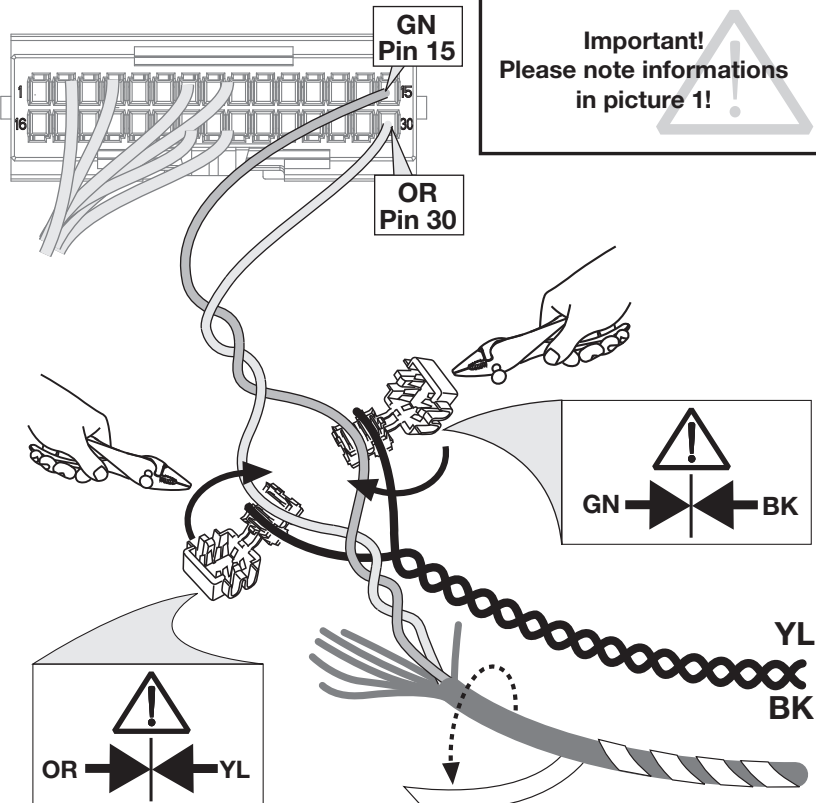


21

CAN-Data Wire

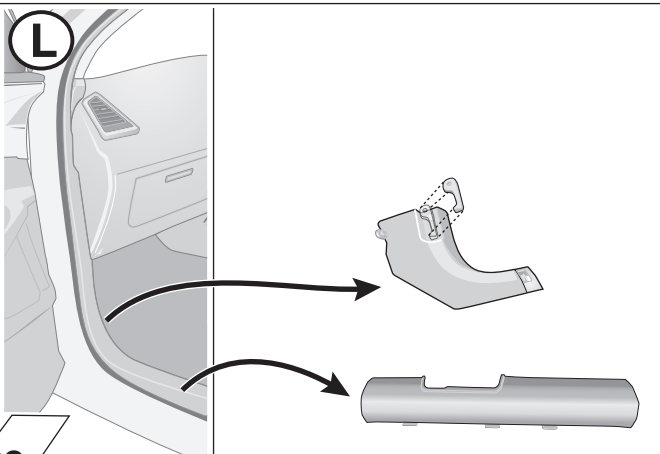


Important!
Please note informations
in picture 1!

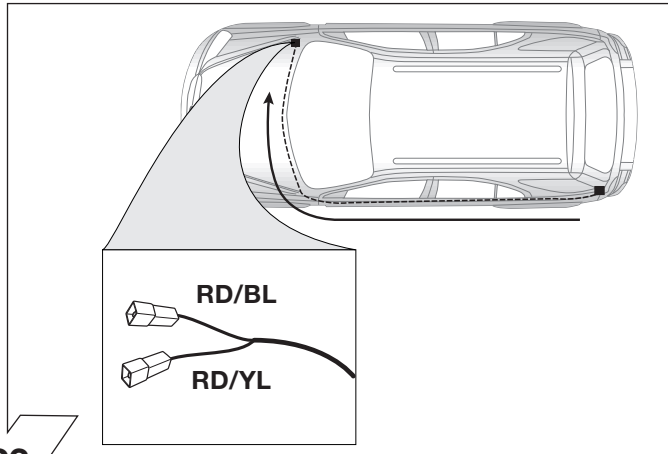


YL
BK

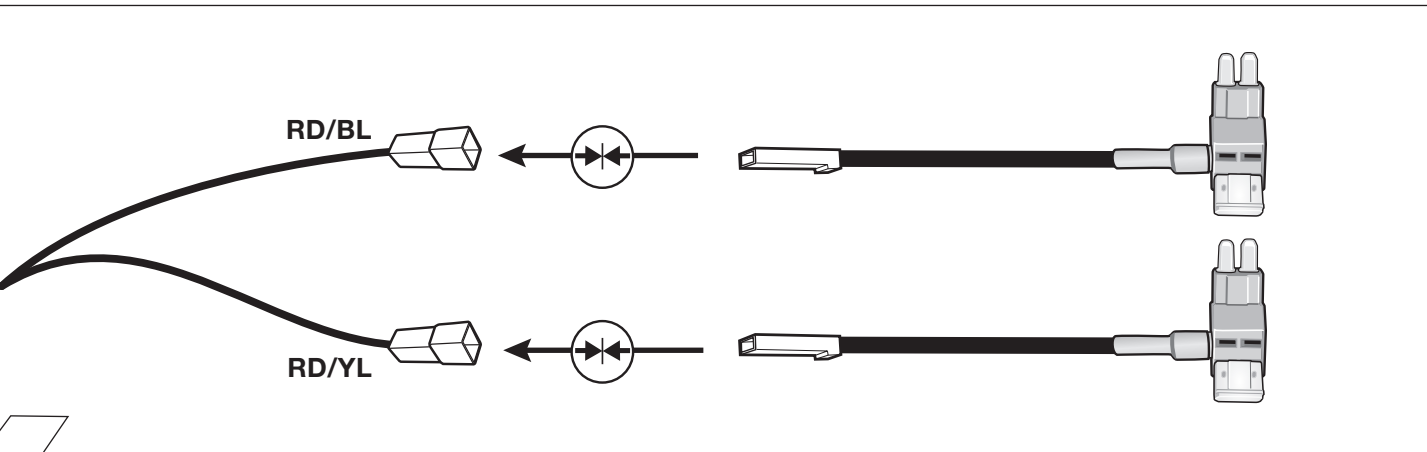
L



22



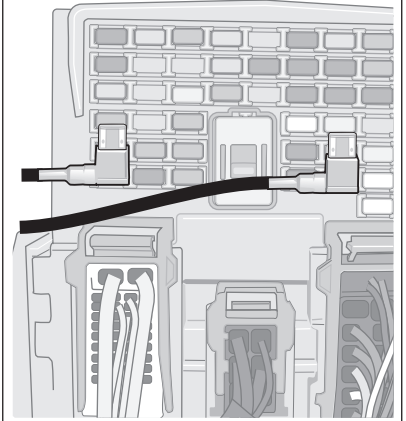
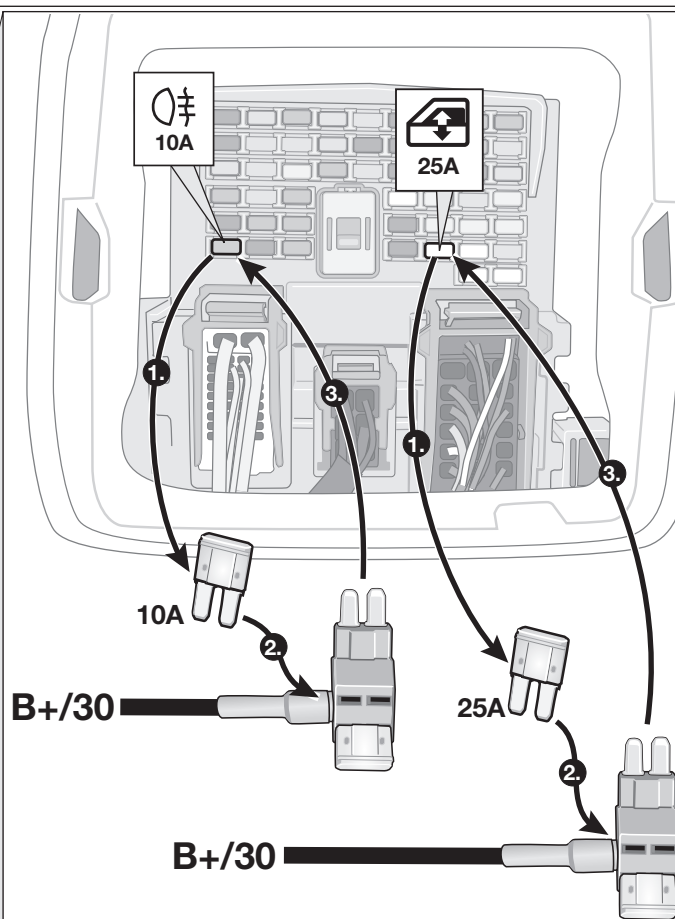
23



24

Tucson

(R)



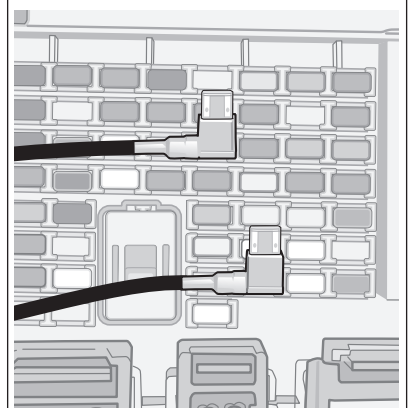
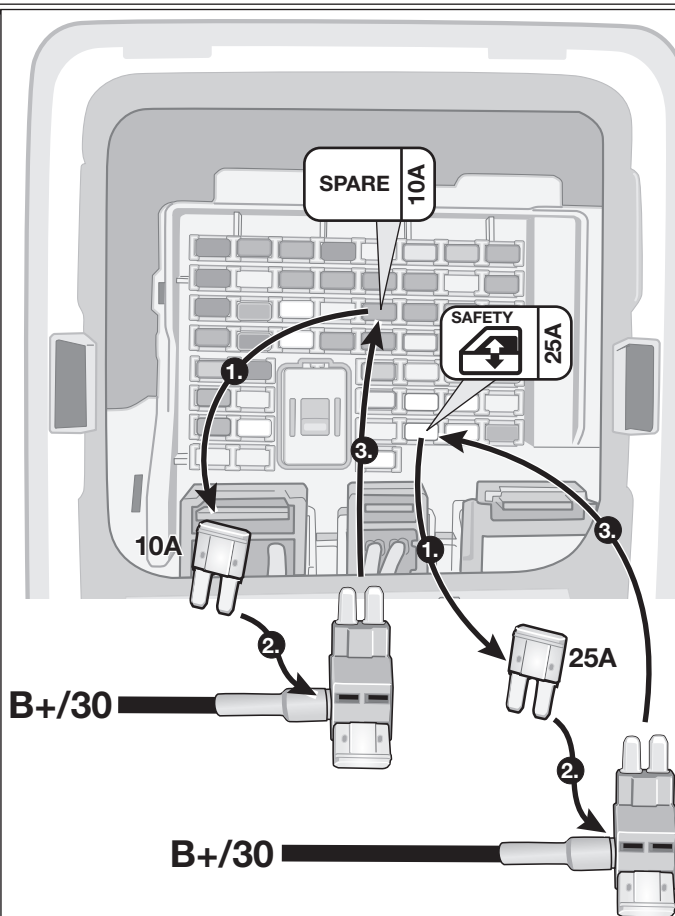
Important!
Please do not mount the
fuse tap and its wiring
output in the other
direction!



25

Sportage

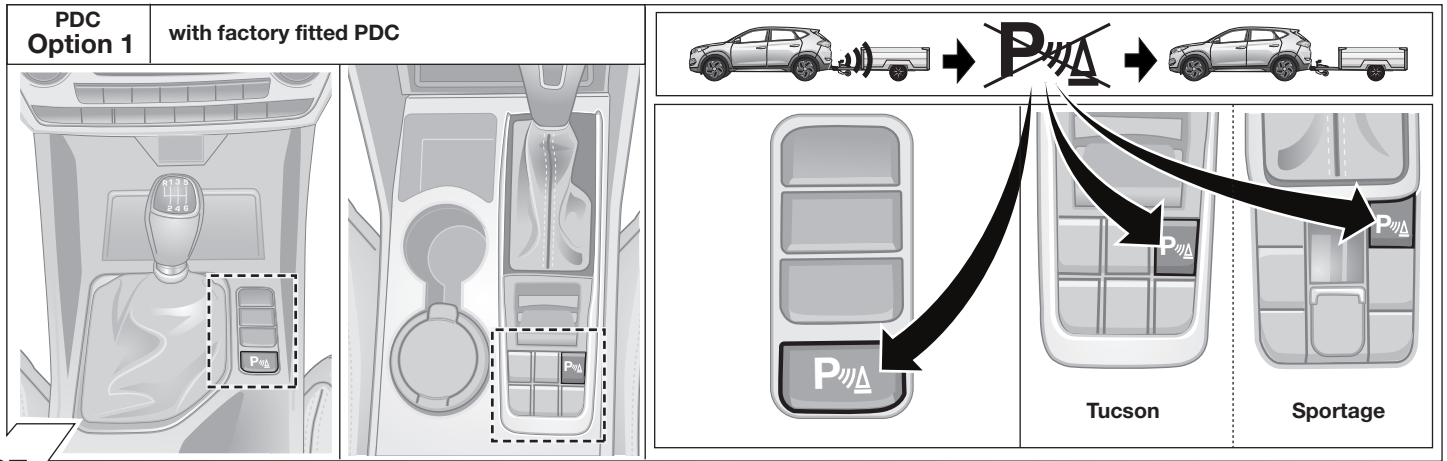
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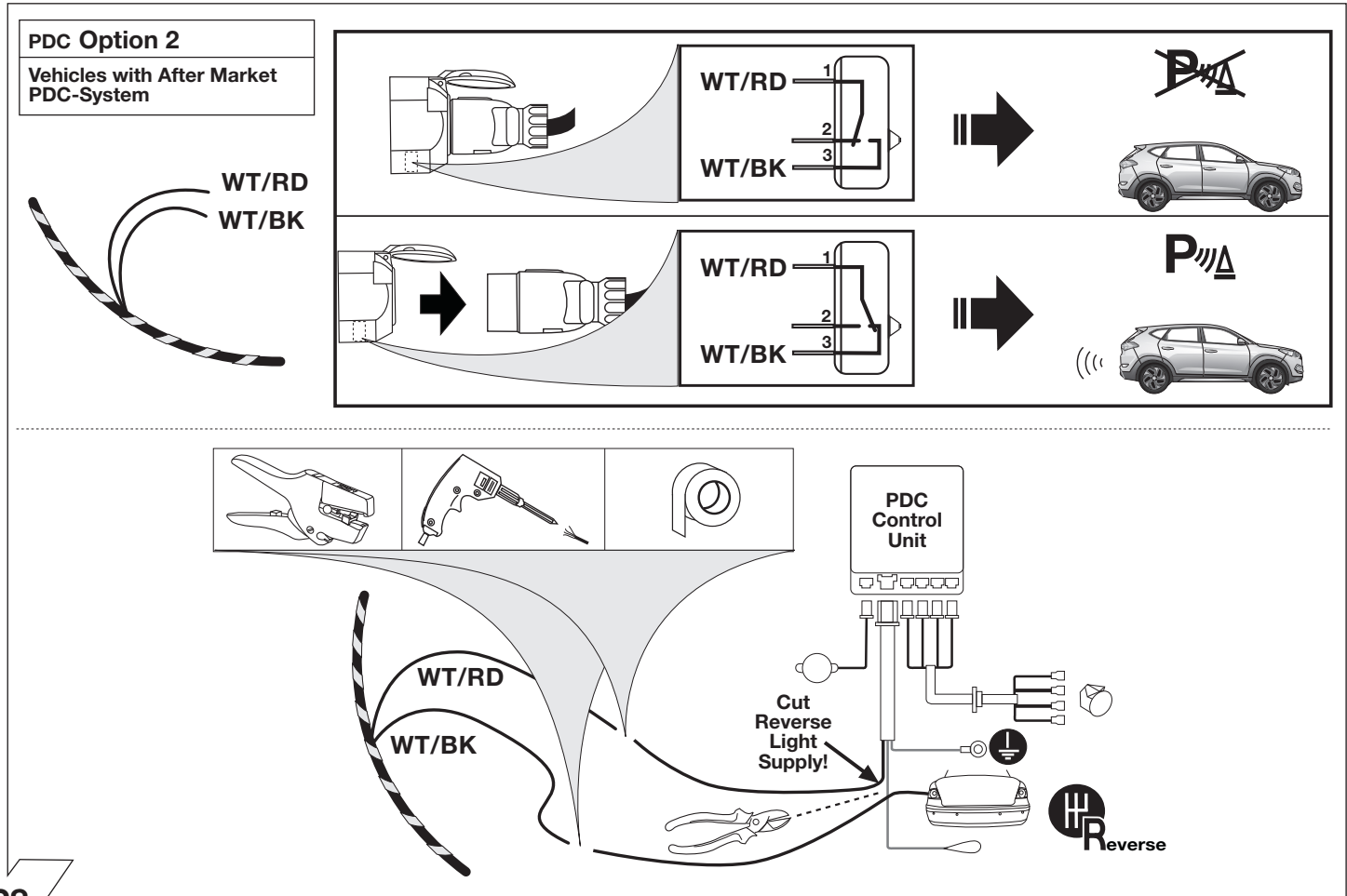
Important!
Please do not mount the
fuse tap and its wiring
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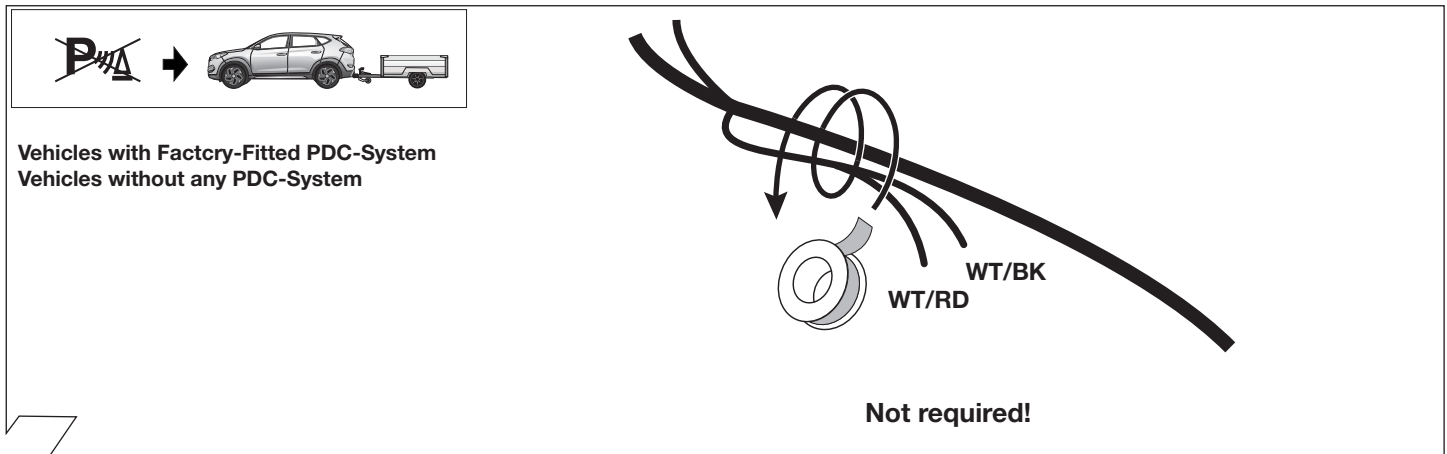
26



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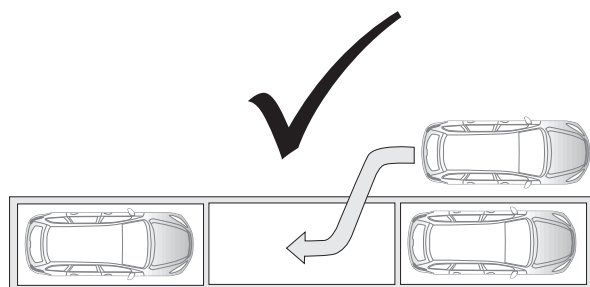
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29

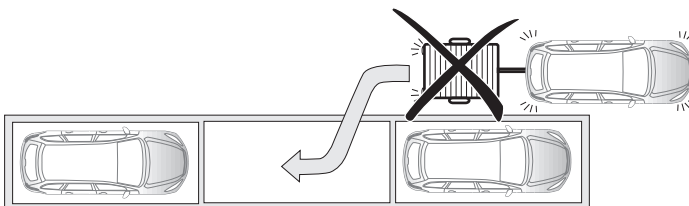
SMART PARKING ASSIST-SYSTEM

30



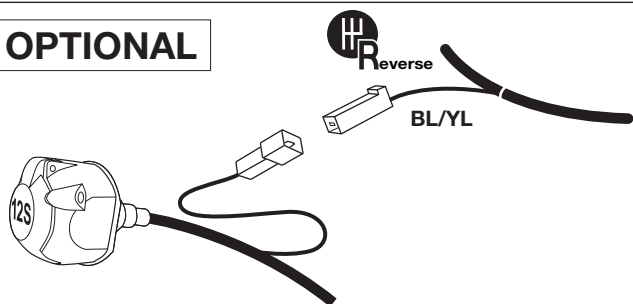
Tucson

Sportage



31

OPTIONAL

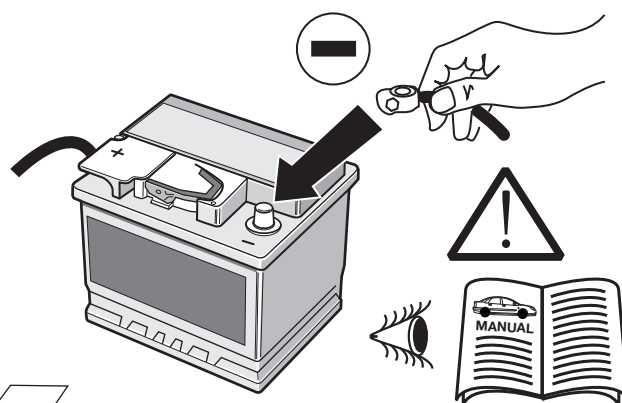


12S

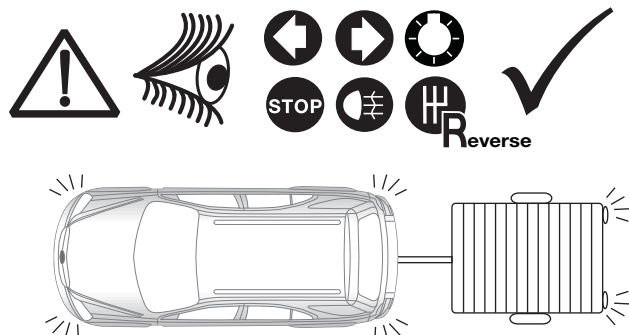
Supplementary harness

38400501

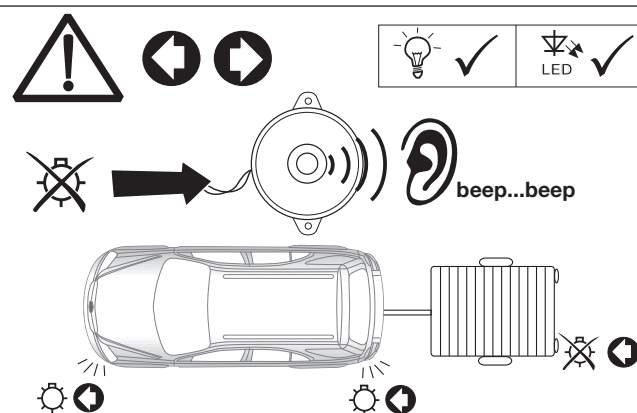
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33



34

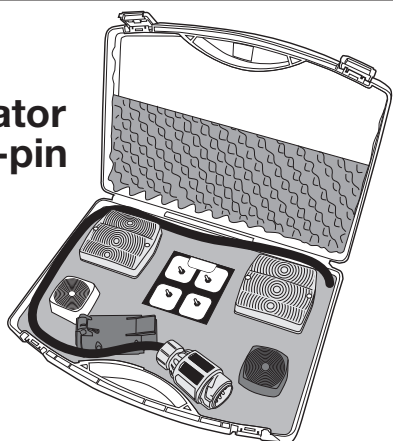


35

OPTIONAL

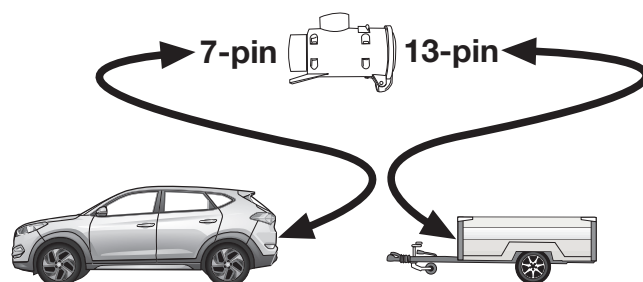
Trailer Simulator
for 7- and 13-pin
Sockets

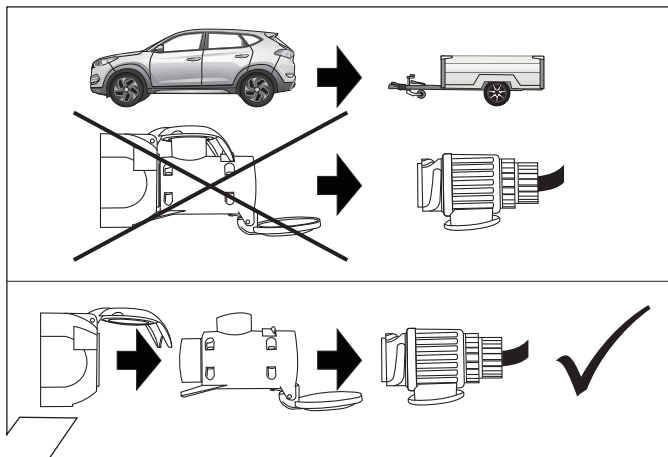
Part-no.
50400521RC



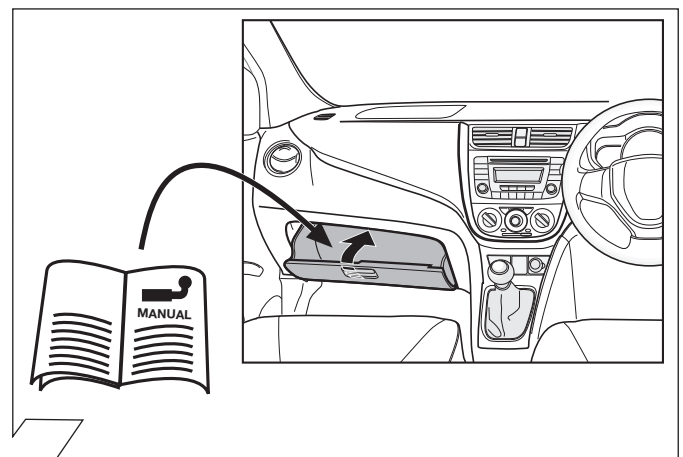
36

Optional: Adapter socket 62400001



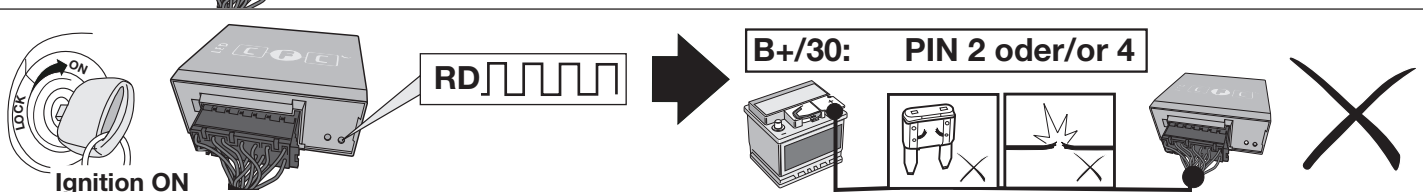
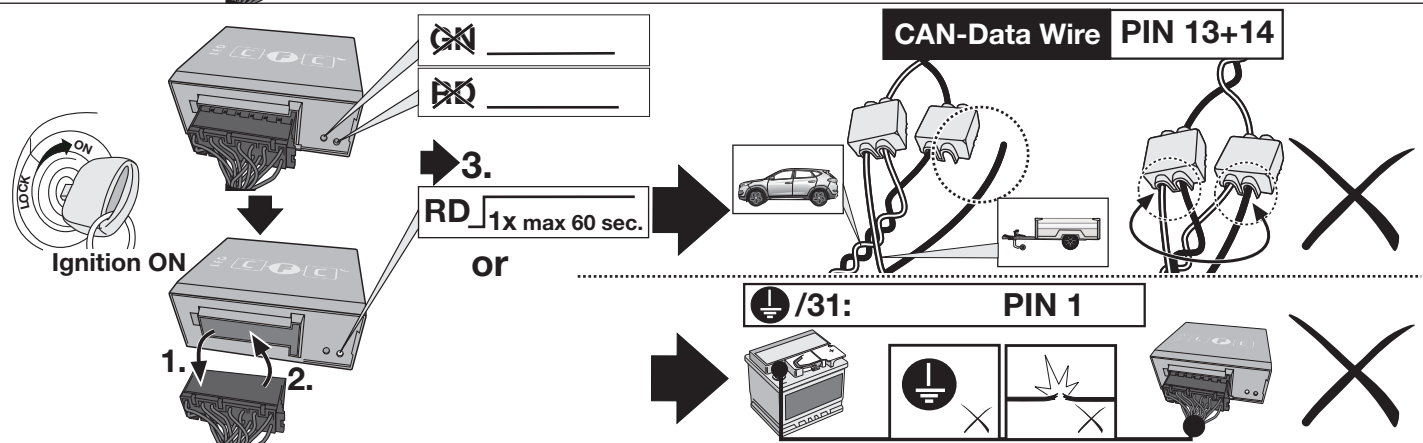
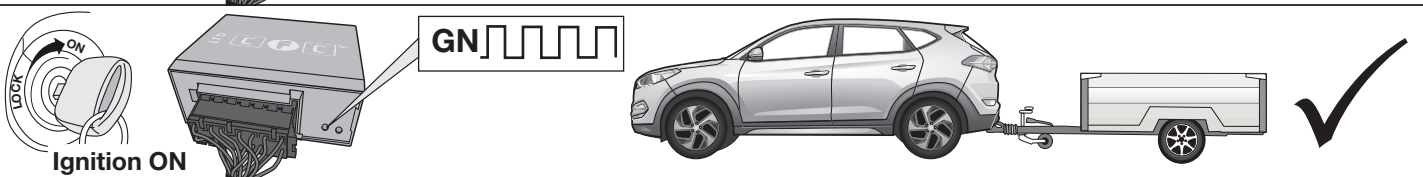
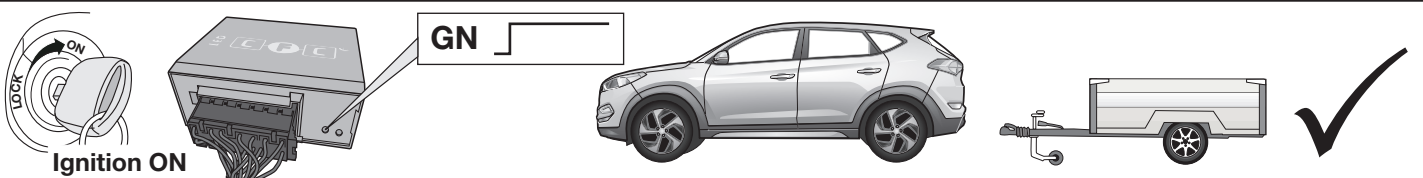


37



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Diagnosis function of control LEDs



Indicator failure detection and lamp substitution if the trailer indicators fail

The failure of a single or on both trailer indicators will be shown depending on the type of vehicle and electric kit installed as follows:

- Increase in the flashing frequency
- Text message in the Display / combi-instrument
- Activated control lamp for light failure
- Audible warning via Buzzer or Voice-Message

If an indicator fails the left or right rear light compensates the faulty indicator by flashing at the correct frequency! (♦ lamp substitution).