

Right Connections

towbar wiring kits for the uk



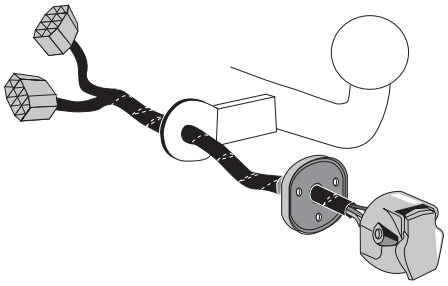
AUDI / VOLKSWAGEN

Audi Q5 (FYB, FYG)	08/2023 >>	Audi Q7 Van (4MB, 4MG)	08/2023 >>
Audi Q5 Sportback (FYT)	08/2023 >>	Audi Q8 (4MN, 4MT)	08/2023 >>
Audi Q7 (4MB, 4MG)	08/2023 >>	VW TOUAREG (CR7, RC8)	08/2023 >>

Part No: AU-080-13M

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

Fitting instructions





Please note:

This tow bar wiring kit has no influence on the towing vehicle´s assistance systems. Assistance systems with emergency brake function (AEB) will not be influenced or automatically deactivated whilst a trailer is attached.

Automatic or remote-controlled parking assistance systems must not be used whilst a trailer is attached!
For more information please refer to the vehicle owner's manual.

⚠ 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!

Right Connections UK Ltd
Unit 503 Queensway Business Park
TELFORD TF1 7UL UK

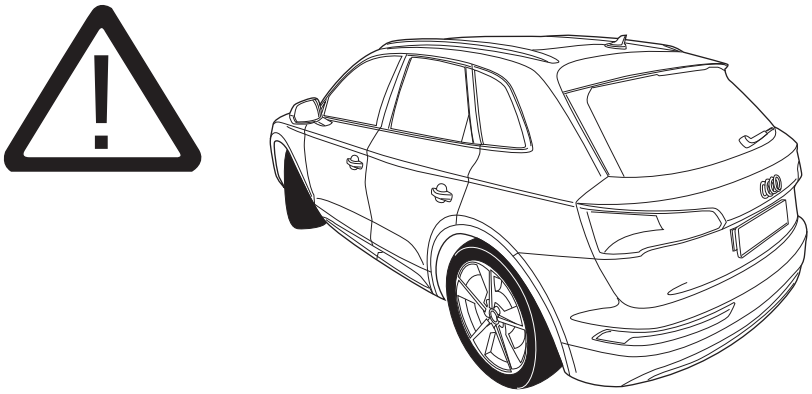
SALES: +44 (0)1952 608750 - Option 1
TECHNICAL: +44 (0)1952 608750 - Option 2

Web: www.rightconnections.co.uk
Email: Technical@rightconnect.co.uk

Revision: 0 / 23.02.2024
AU-080-13M



This kit does not support any of the assistance systems of the vehicle. Vehicle assistance systems may have to be deactivated manually when towing a trailer!



Please note that the operation of the electric tailgate will continue to function with a bicycle carrier/trailer/caravan attached. It must be operated manually.

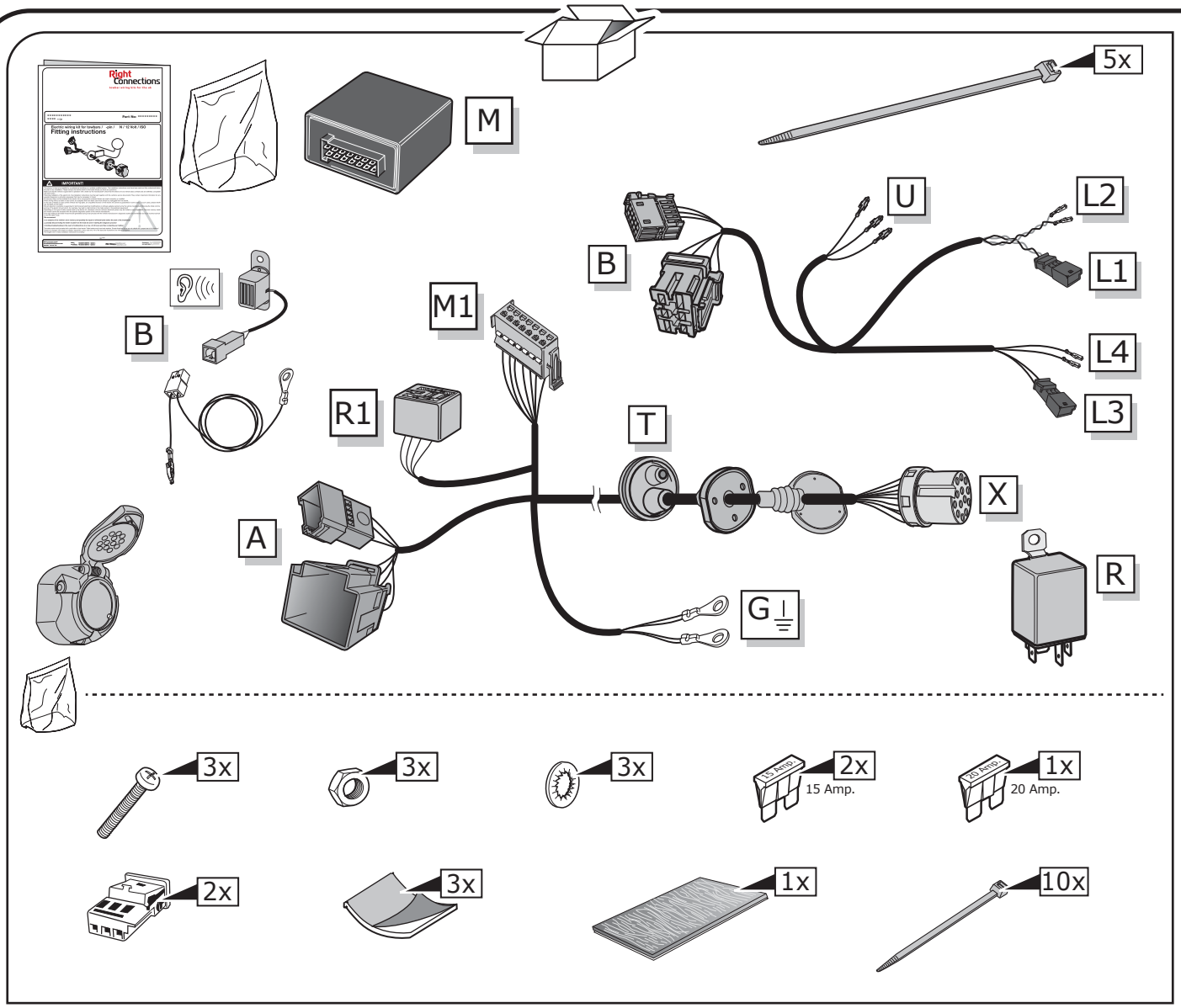
INFO

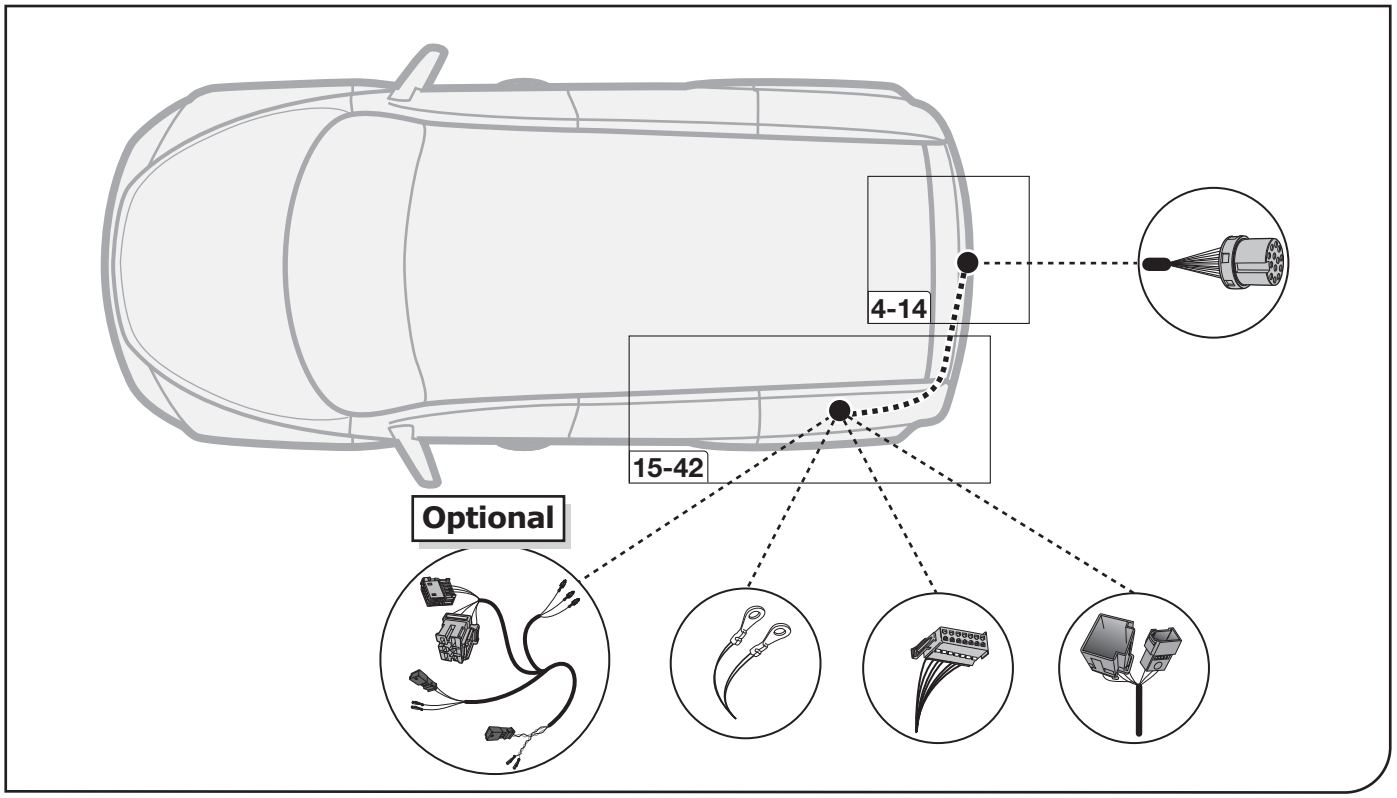
Right Connections UK Ltd
Unit 503 Queensway Business Park
TELFORD TF1 7UL UK

SALES: +44 (0)1952 608750 - Option 1
TECHNICAL: +44 (0)1952 608750 - Option 2

Web: www.rightconnections.co.uk
Email: Technical@rightconnect.co.uk

Revision: 0 / 23.02.2024
AU-080-13M





Right Connections UK Ltd
Unit 503 Queensway Business Park
TELFORD TF1 7UL UK

SALES: +44 (0)1952 608750 - Option 1
TECHNICAL: +44 (0)1952 608750 - Option 2

Web: www.rightconnections.co.uk
Email: Technical@rightconnect.co.uk

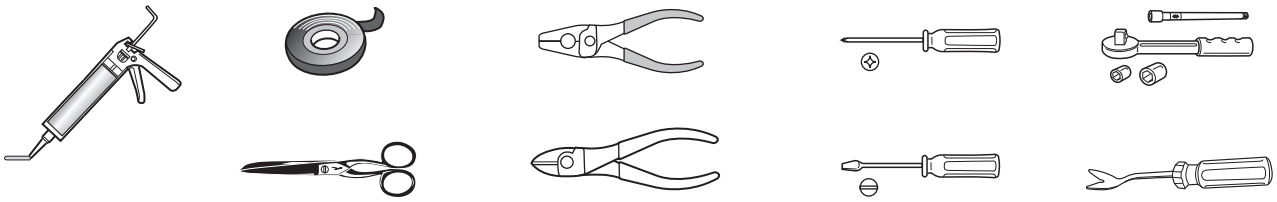
Revision: 0 / 23.02.2024
AU-080-13M

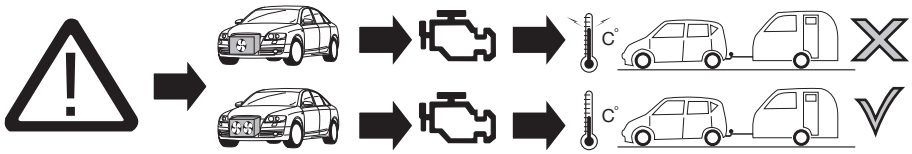
SYMBOL EXPLANATION

	Left (58-L) respectively Right (58-R) tail light
54 STOP	Stop light (54) / high mounted, third stop light (54)
L	Turn signal indicator left
R	Turn signal indicator right
	Rear fog light(s)
Reverse	Reversing light(s)
30+	Permanent power supply / 13pin socket, chamber 9
15+	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

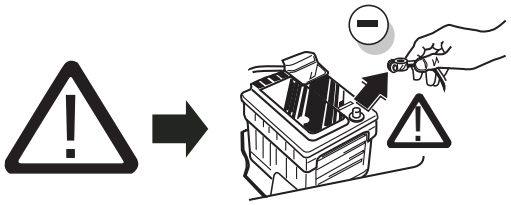
12V	Cigarette lighter / accessory socket
	Loudspeaker / buzzer
	Park Distance Control
	Switch / source of function
	Connect together
	Disconnect
	Look at / See further information
	Look carefully at selected area
	Present / Occupied / OK
	Not present / Not occupied / Not OK
	Acoustic indication
	Attention / important advice
20 Amp.	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!

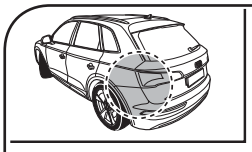
1

Right Connections UK Ltd
Unit 503 Queensway Business Park
TELFORD TF1 7UL UK

SALES: +44 (0)1952 608750 - Option 1
TECHNICAL: +44 (0)1952 608750 - Option 2

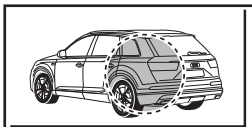
Web: www.rightconnections.co.uk
Email: Technical@rightconnect.co.uk

Revision: 0 / 23.02.2024
AU-080-13M



Q5

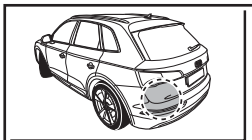
2



Q7, Q8 & Touareg

3

Only if fitted!



Q5

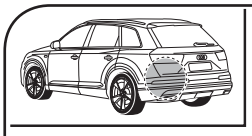
4

Right Connections UK Ltd
Unit 503 Queensway Business Park
TELFORD TF1 7UL UK

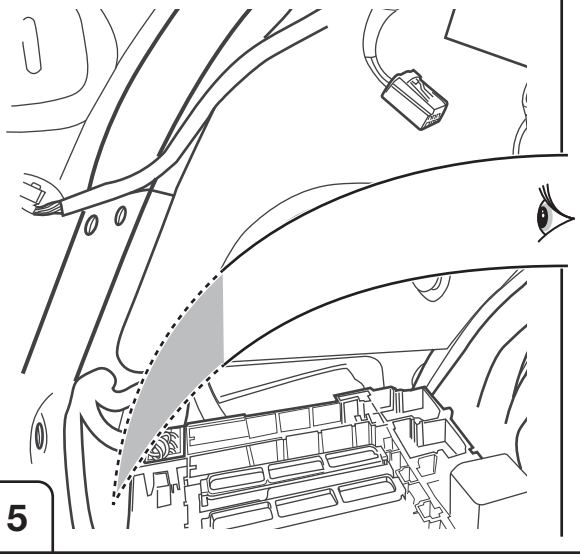
SALES: +44 (0)1952 608750 - Option 1
TECHNICAL: +44 (0)1952 608750 - Option 2

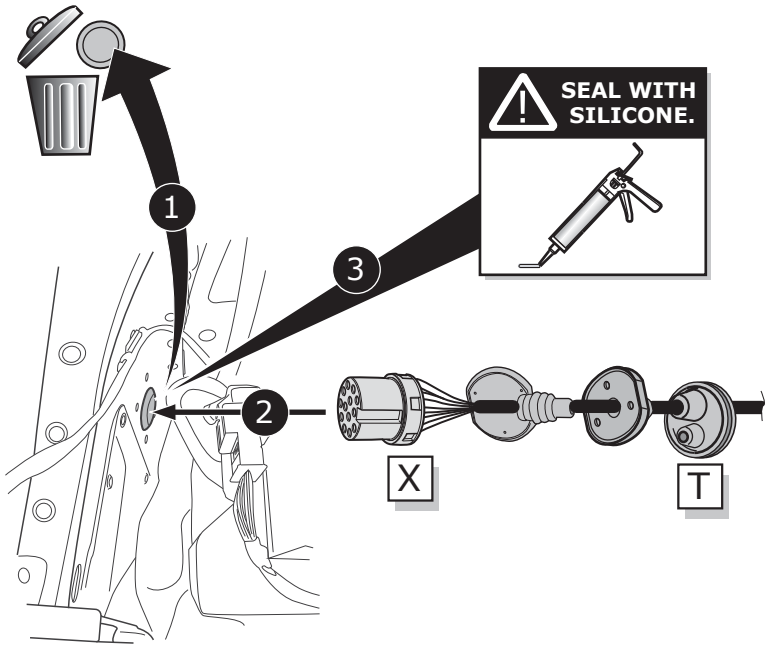
Web: www.rightconnections.co.uk
Email: Technical@rightconnect.co.uk

Revision: 0 / 23.02.2024
AU-080-13M



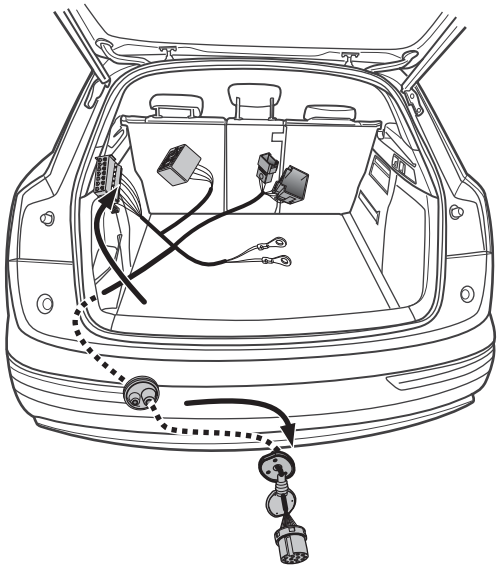
Q7, Q8 & Touareg





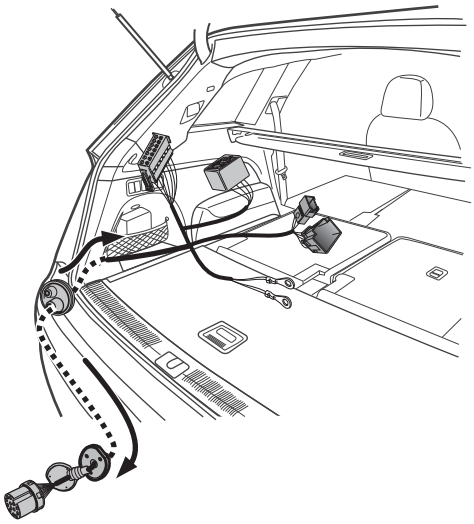
5

Q5

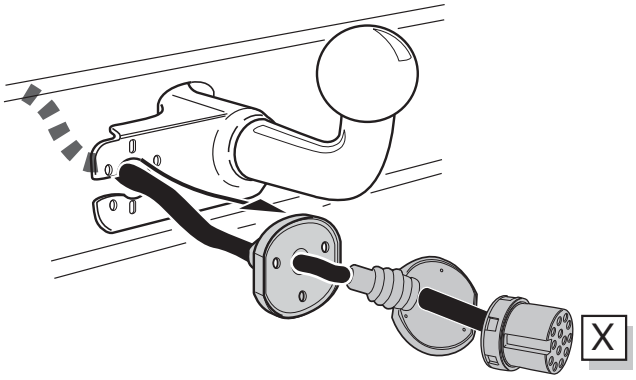


6

Q7, Q8 & Touareg



7



8

Right Connections UK Ltd
Unit 503 Queensway Business Park
TELFORD TF1 7UL UK

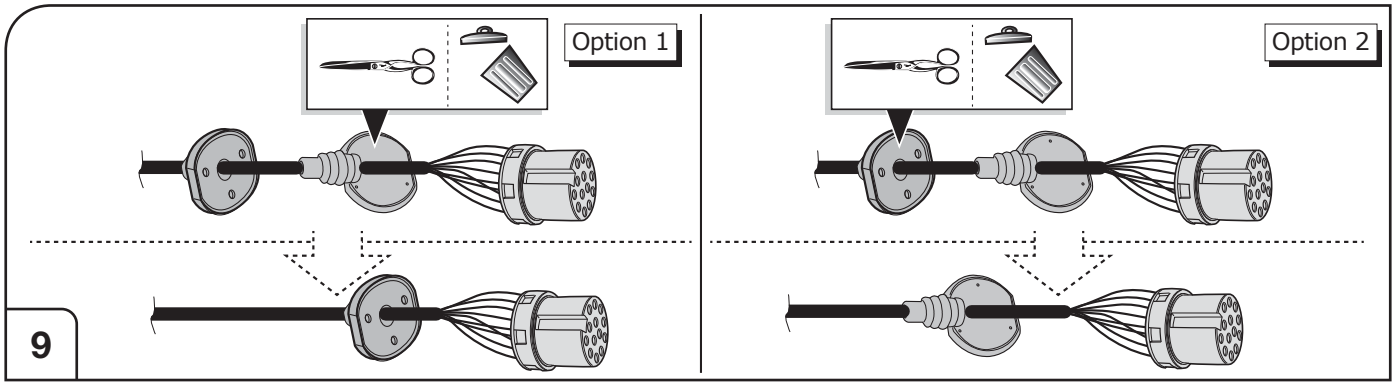
SALES: +44 (0)1952 608750 - Option 1
TECHNICAL: +44 (0)1952 608750 - Option 2

Web: www.rightconnections.co.uk
Email: Technical@rightconnect.co.uk

Revision: 0 / 23.02.2024
AU-080-13M

Option 1

Option 2

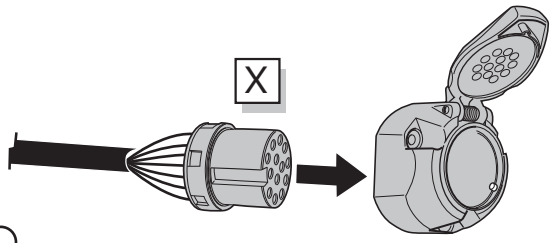


9

SOCKET CONNECTION

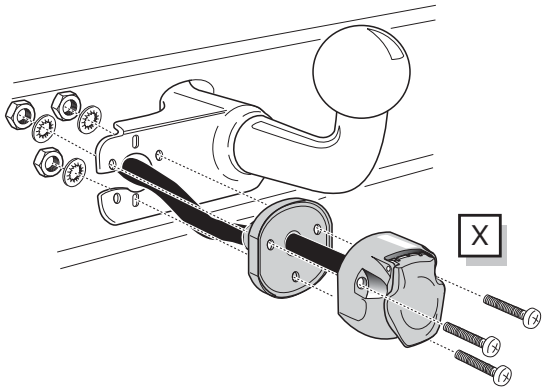
Page 22

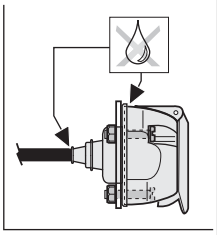
10



11

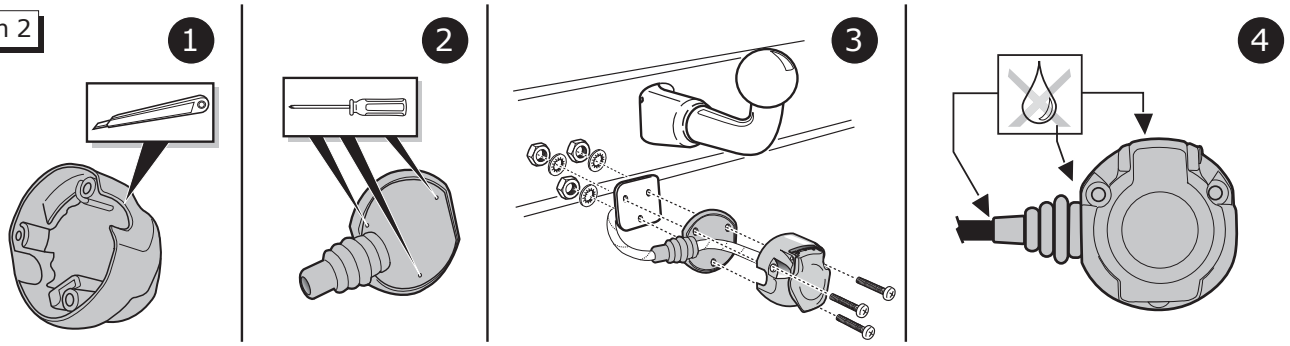
Option 1





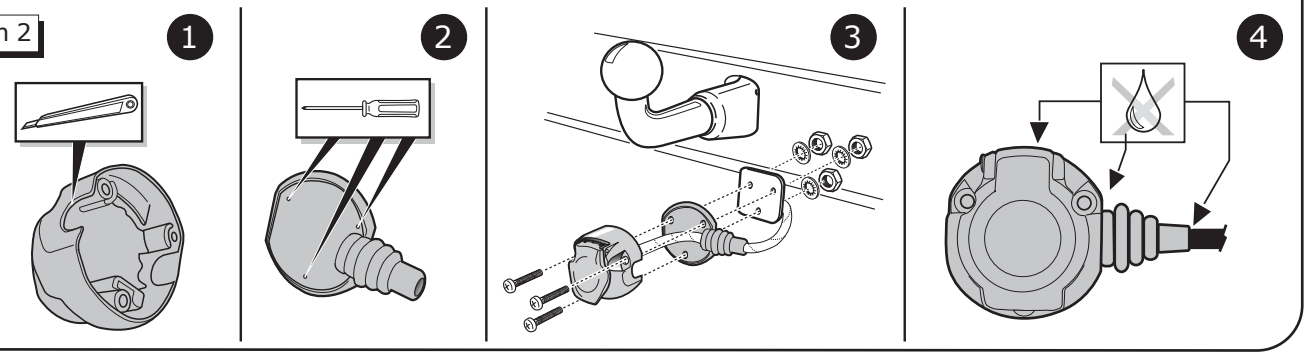
12

Option 2



13

Option 2



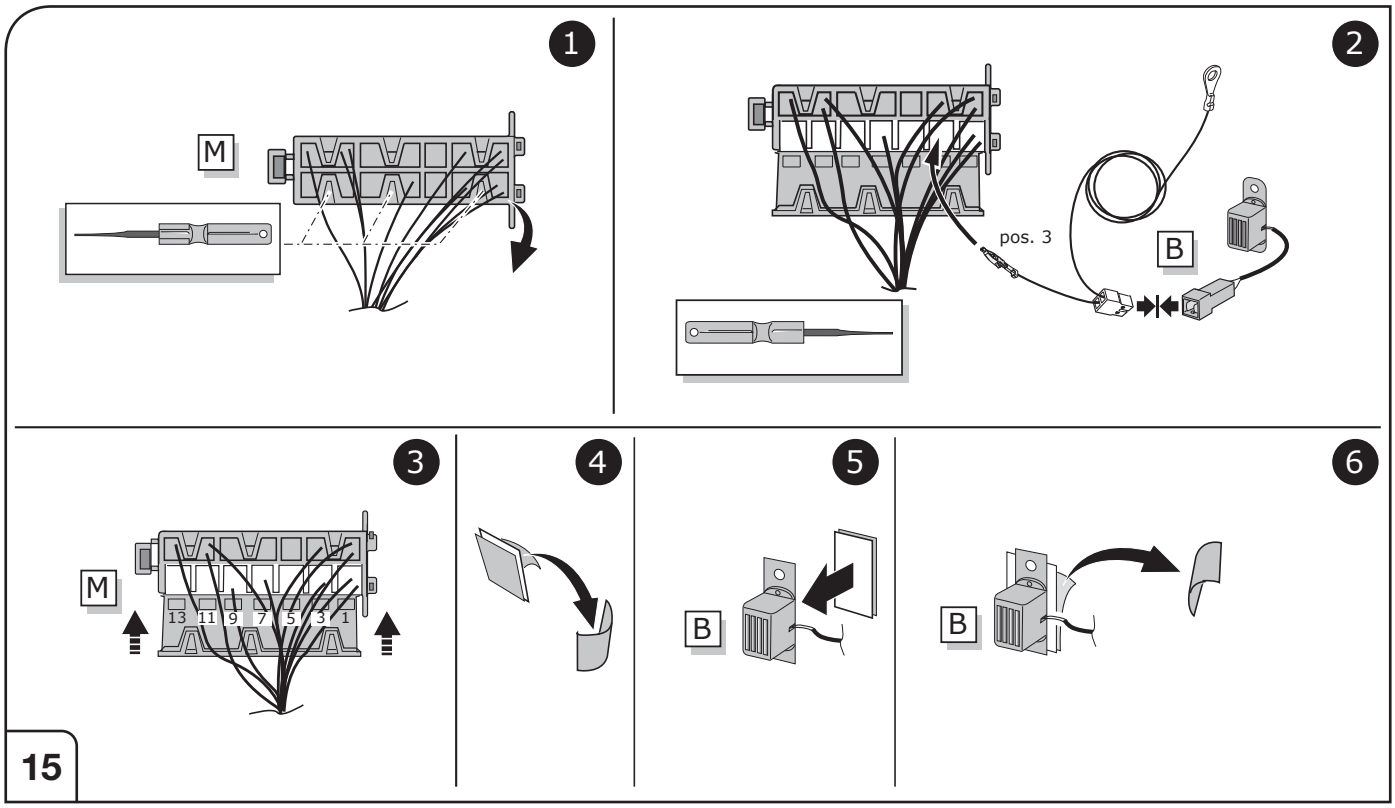
14

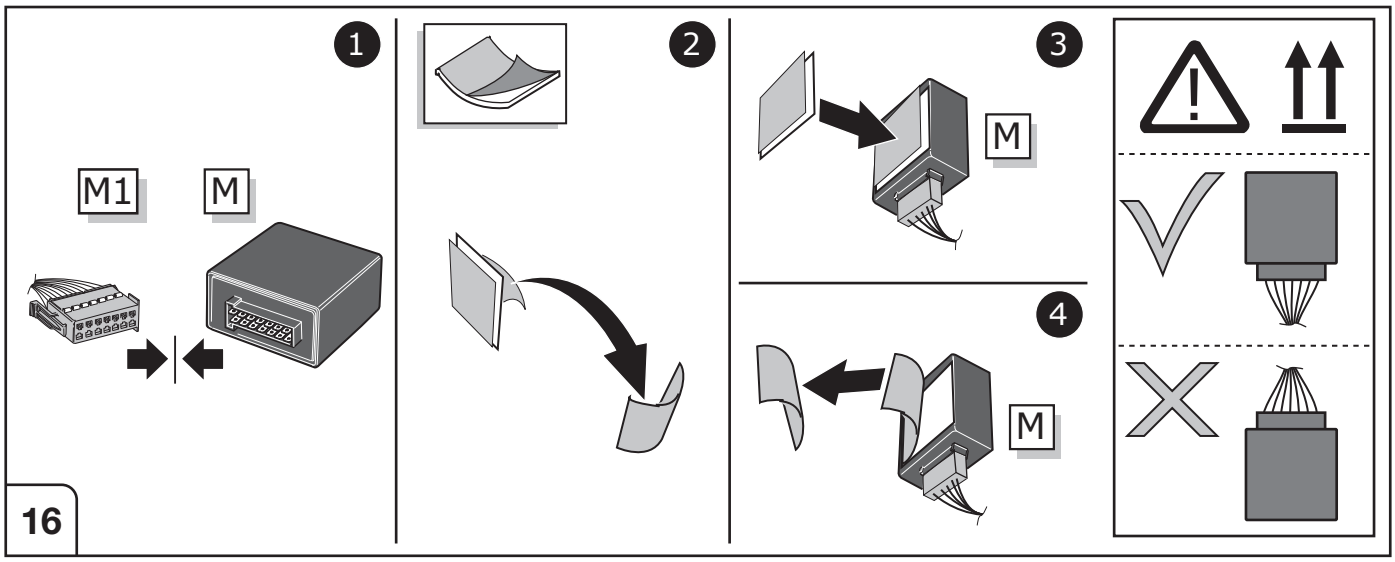
Right Connections UK Ltd
Unit 503 Queensway Business Park
TELFORD TF1 7UL UK

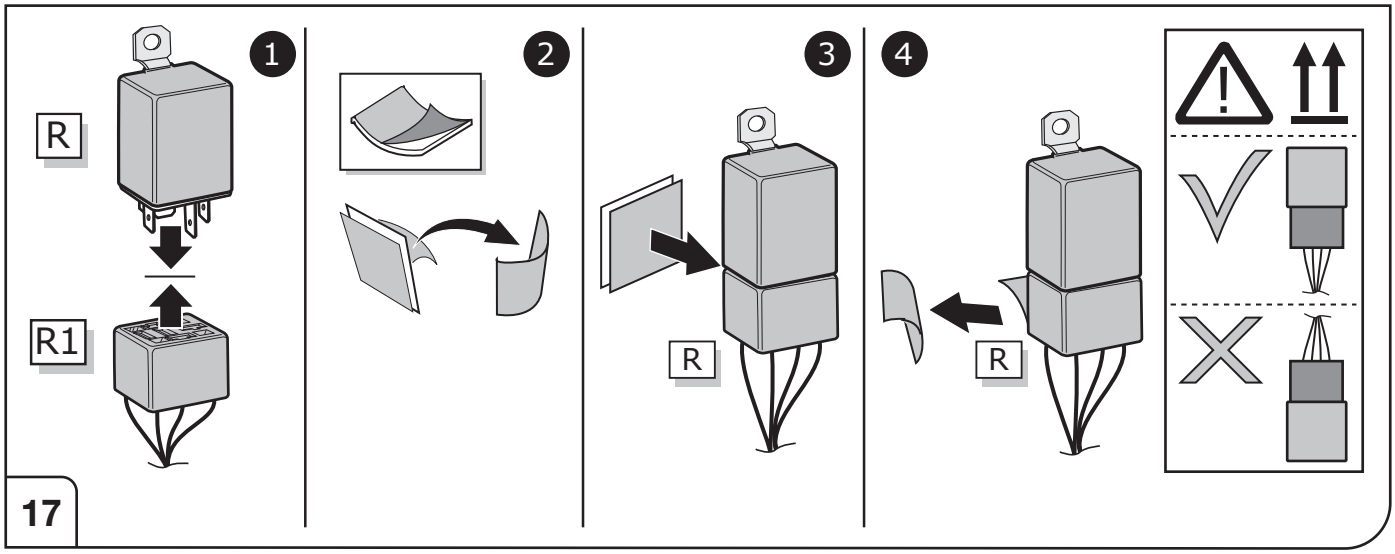
SALES: +44 (0)1952 608750 - Option 1
TECHNICAL: +44 (0)1952 608750 - Option 2

Web: www.rightconnections.co.uk
Email: Technical@rightconnect.co.uk

Revision: 0 / 23.02.2024
AU-080-13M





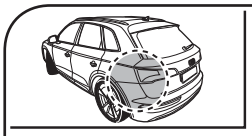


Right Connections UK Ltd
Unit 503 Queensway Business Park
TELFORD TF1 7UL UK

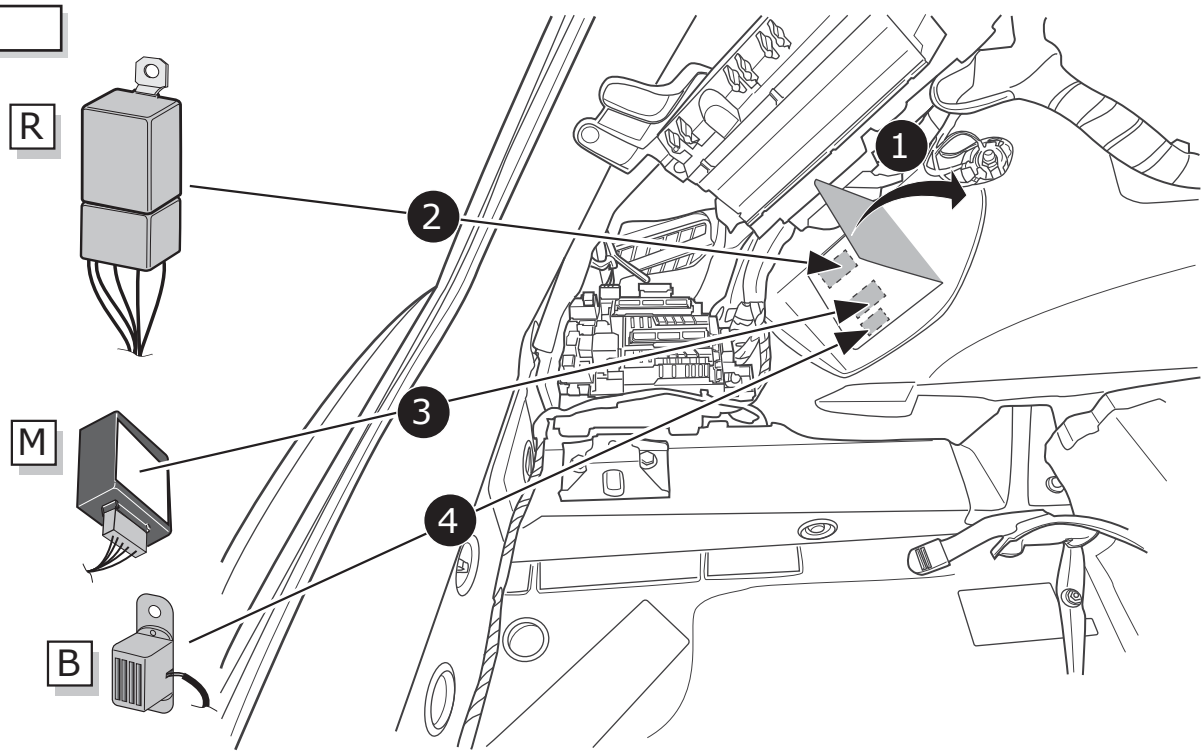
SALES: +44 (0)1952 608750 - Option 1
TECHNICAL: +44 (0)1952 608750 - Option 2

Web: www.rightconnections.co.uk
Email: Technical@rightconnect.co.uk

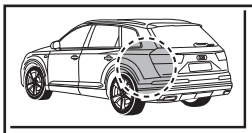
Revision: 0 / 23.02.2024
AU-080-13M



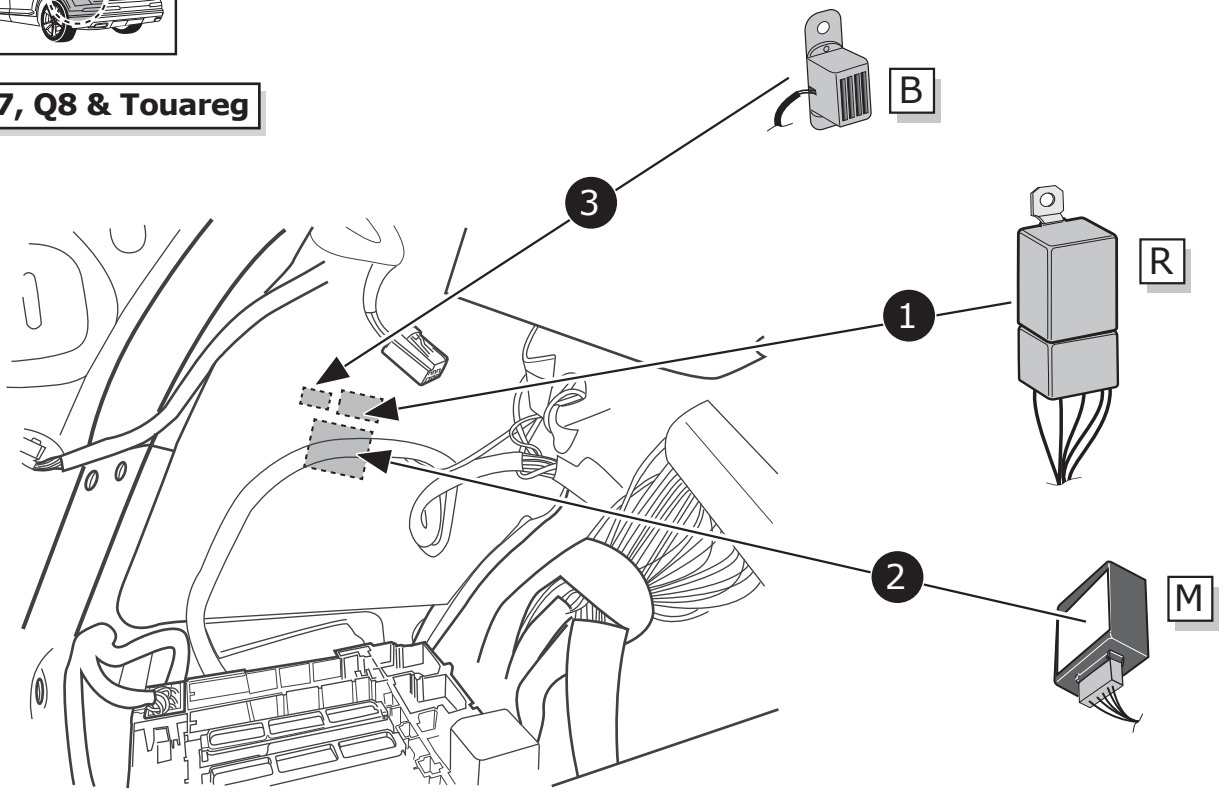
Q5



18



Q7, Q8 & Touareg



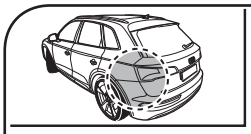
19

Right Connections UK Ltd
Unit 503 Queensway Business Park
TELFORD TF1 7UL UK

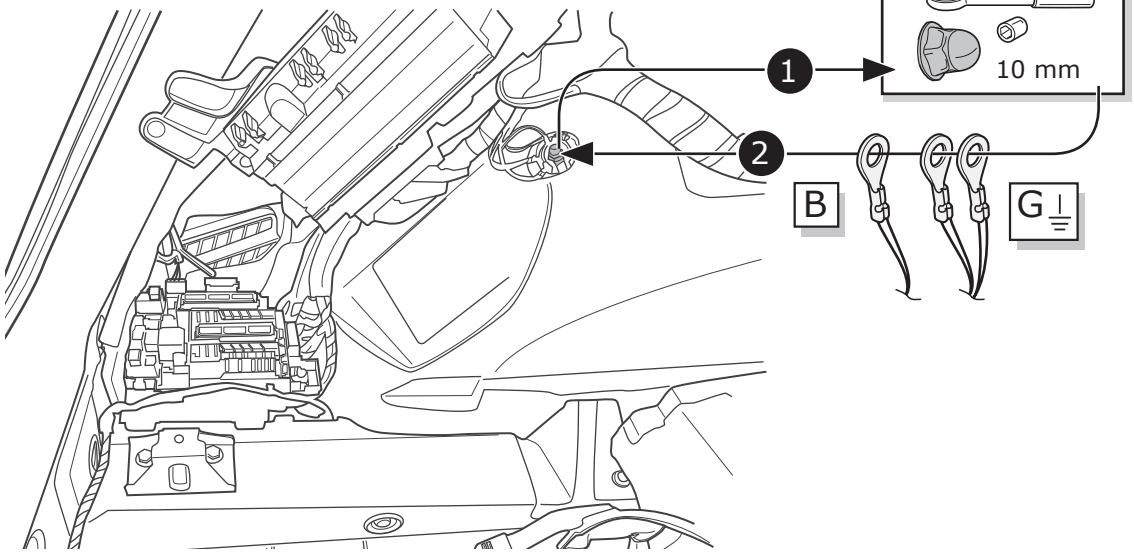
SALES: +44 (0)1952 608750 - Option 1
TECHNICAL: +44 (0)1952 608750 - Option 2

Web: www.rightconnections.co.uk
Email: Technical@rightconnect.co.uk

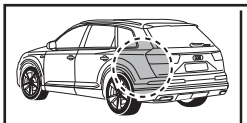
Revision: 0 / 23.02.2024
AU-080-13M



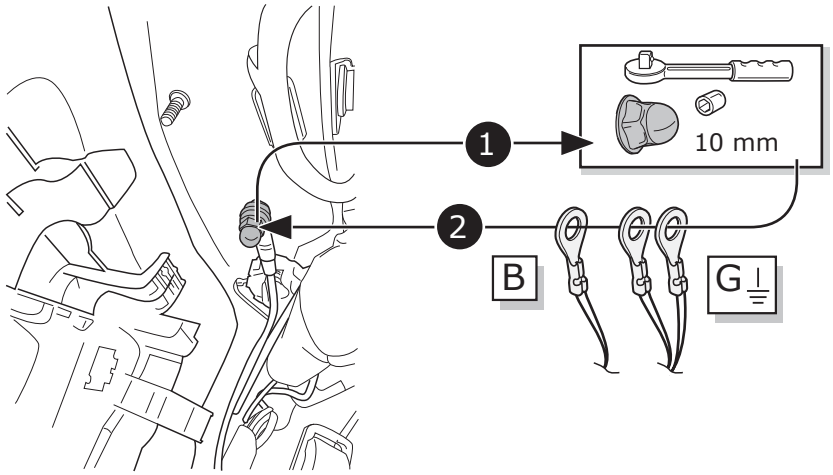
Q5



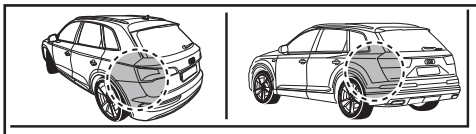
20

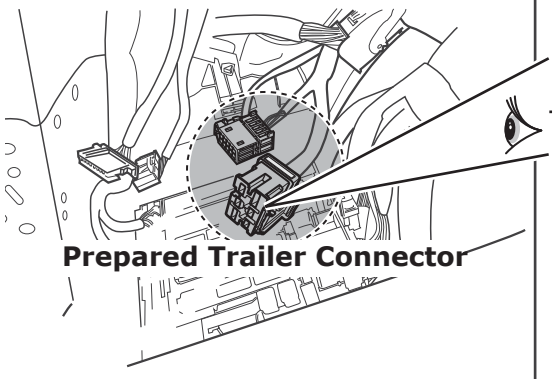


Q7, Q8 & Touareg

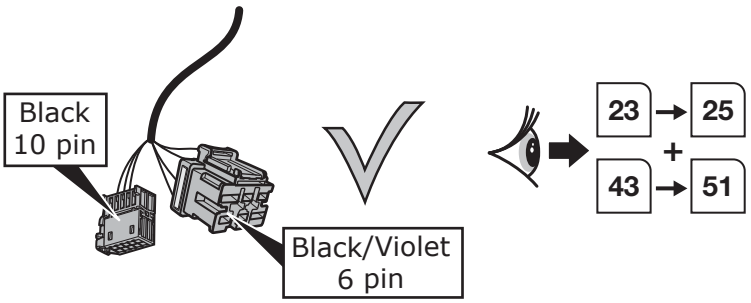


21

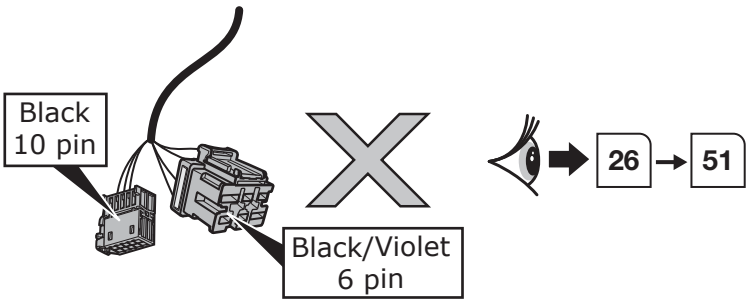




Vehicles with trailer preparation



Vehicles without trailer preparation



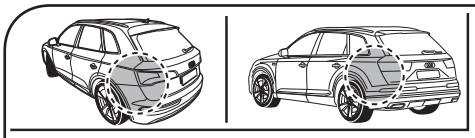
22

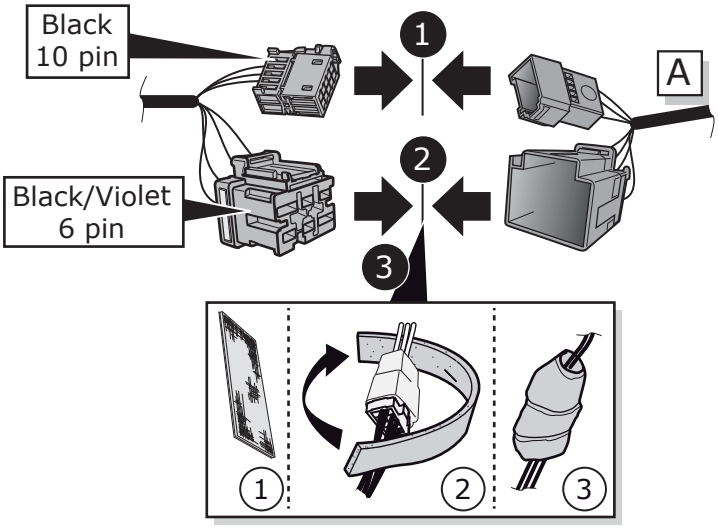
Right Connections UK Ltd
Unit 503 Queensway Business Park
TELFORD TF1 7UL UK

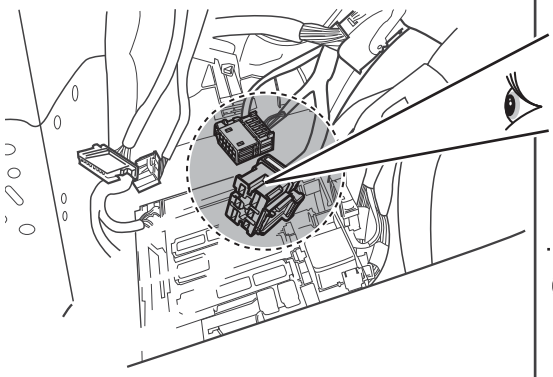
SALES: +44 (0)1952 608750 - Option 1
TECHNICAL: +44 (0)1952 608750 - Option 2

Web: www.rightconnections.co.uk
Email: Technical@rightconnect.co.uk

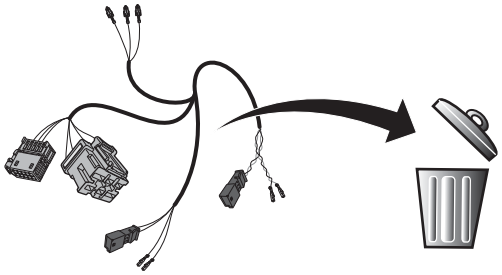
Revision: 0 / 23.02.2024
AU-080-13M







4

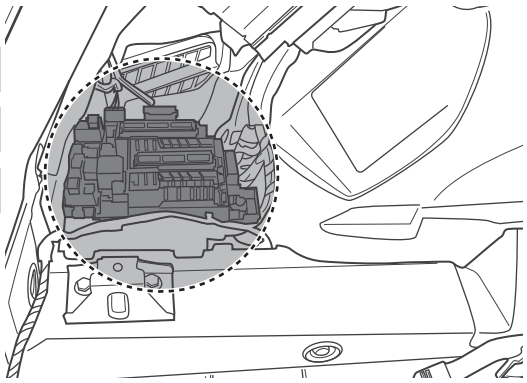


23

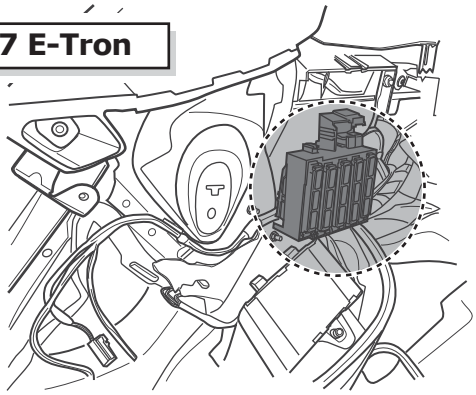
Q5

Q7 & Q8

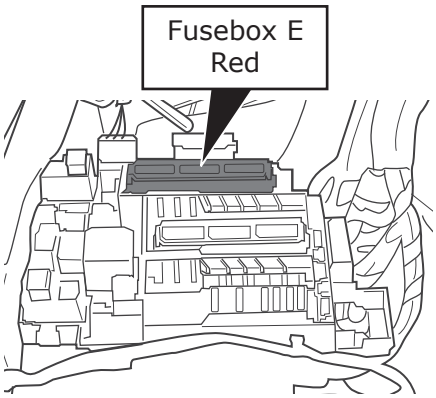
Touareg



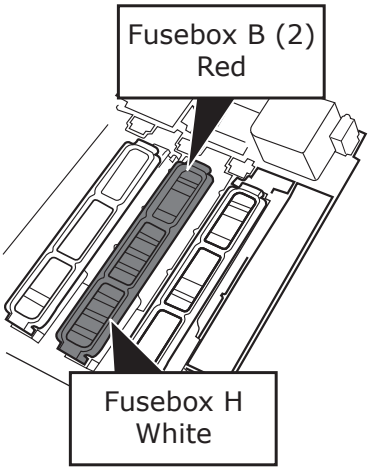
Q7 E-Tron



Q5

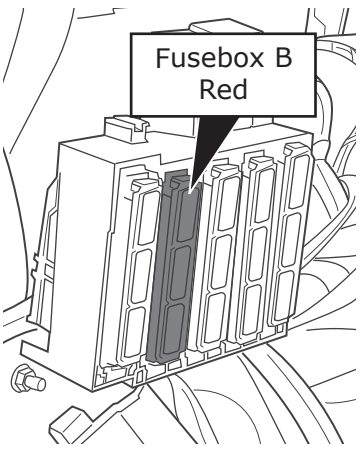


Q7 & Q8



Touareg

Q7 E-Tron



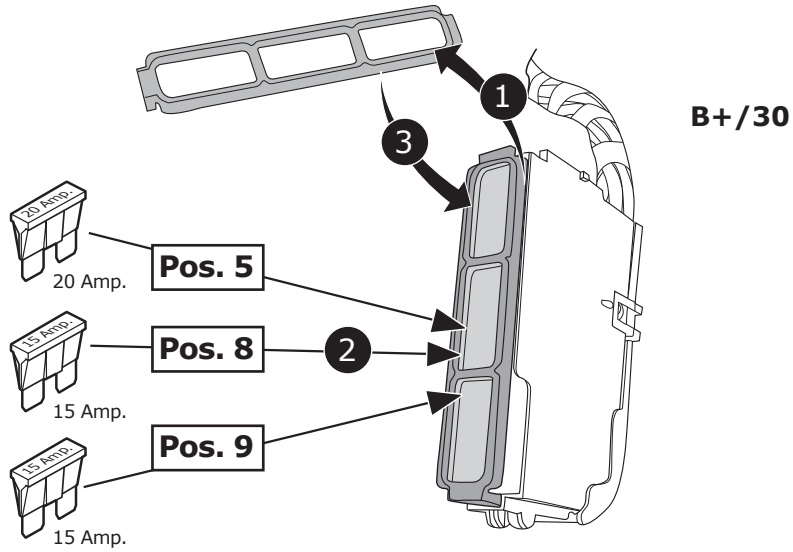
24

Right Connections UK Ltd
Unit 503 Queensway Business Park
TELFORD TF1 7UL UK

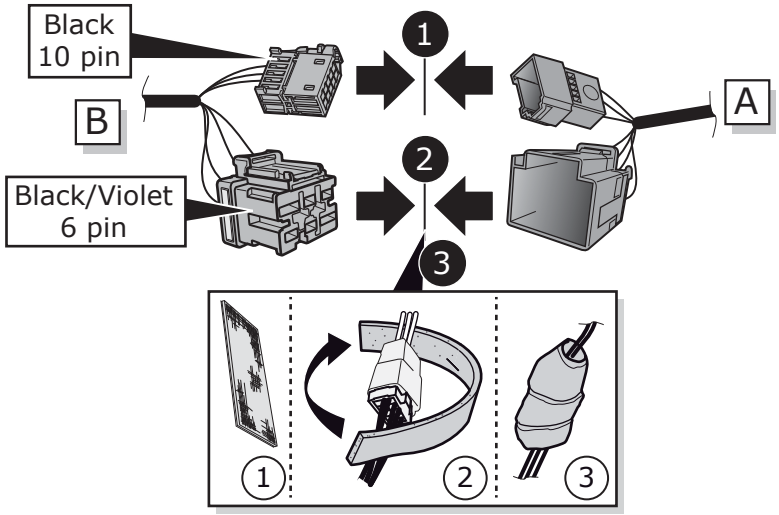
SALES: +44 (0)1952 608750 - Option 1
TECHNICAL: +44 (0)1952 608750 - Option 2

Web: www.rightconnections.co.uk
Email: Technical@rightconnect.co.uk

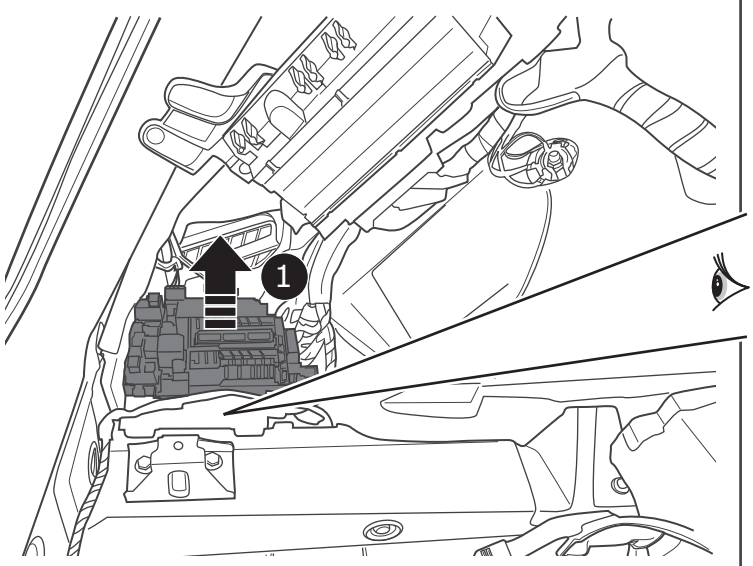
Revision: 0 / 23.02.2024
AU-080-13M

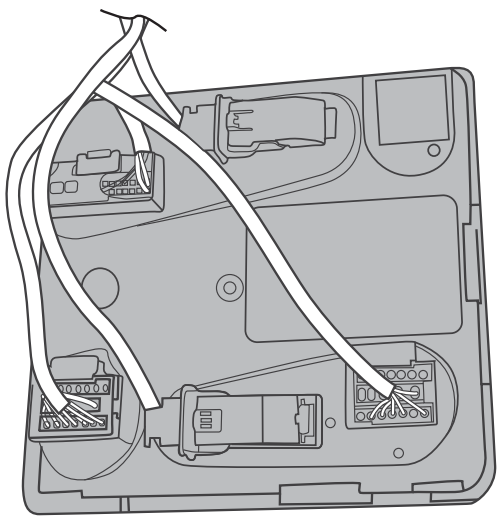


25



26





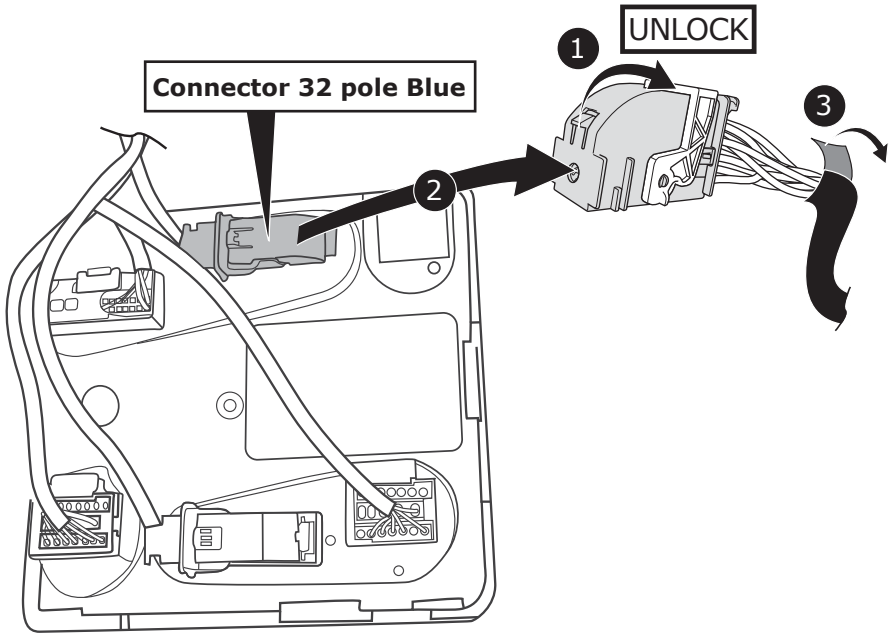
27

Right Connections UK Ltd
Unit 503 Queensway Business Park
TELFORD TF1 7UL UK

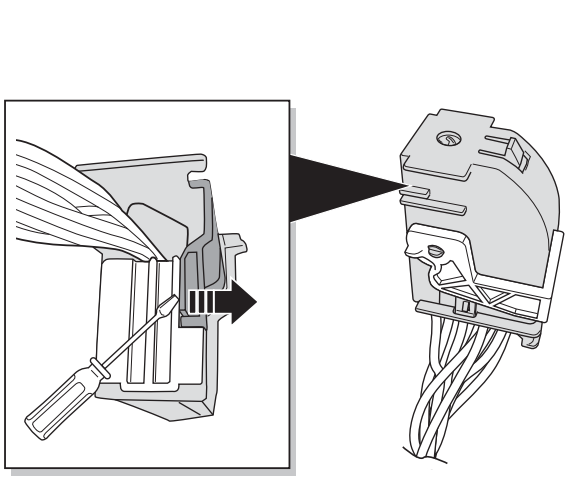
SALES: +44 (0)1952 608750 - Option 1
TECHNICAL: +44 (0)1952 608750 - Option 2

Web: www.rightconnections.co.uk
Email: Technical@rightconnect.co.uk

Revision: 0 / 23.02.2024
AU-080-13M

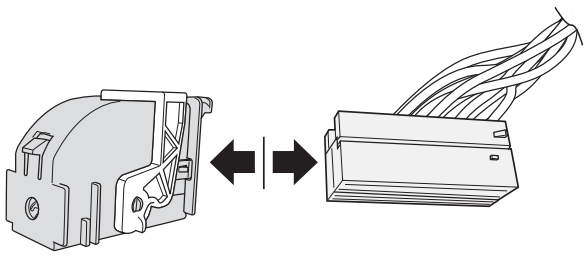


28

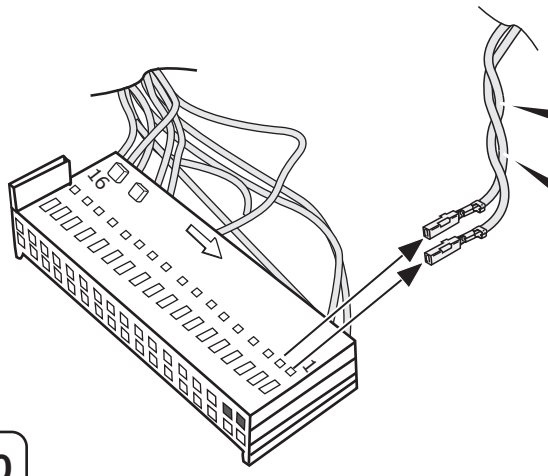


29

Connector 32 pole Blue



Connector 32 pole Blue



CAN L	Orange/Brown	Pos. 1
CAN H	Orange/Green or Green	Pos. 2

Can-bus Datawire

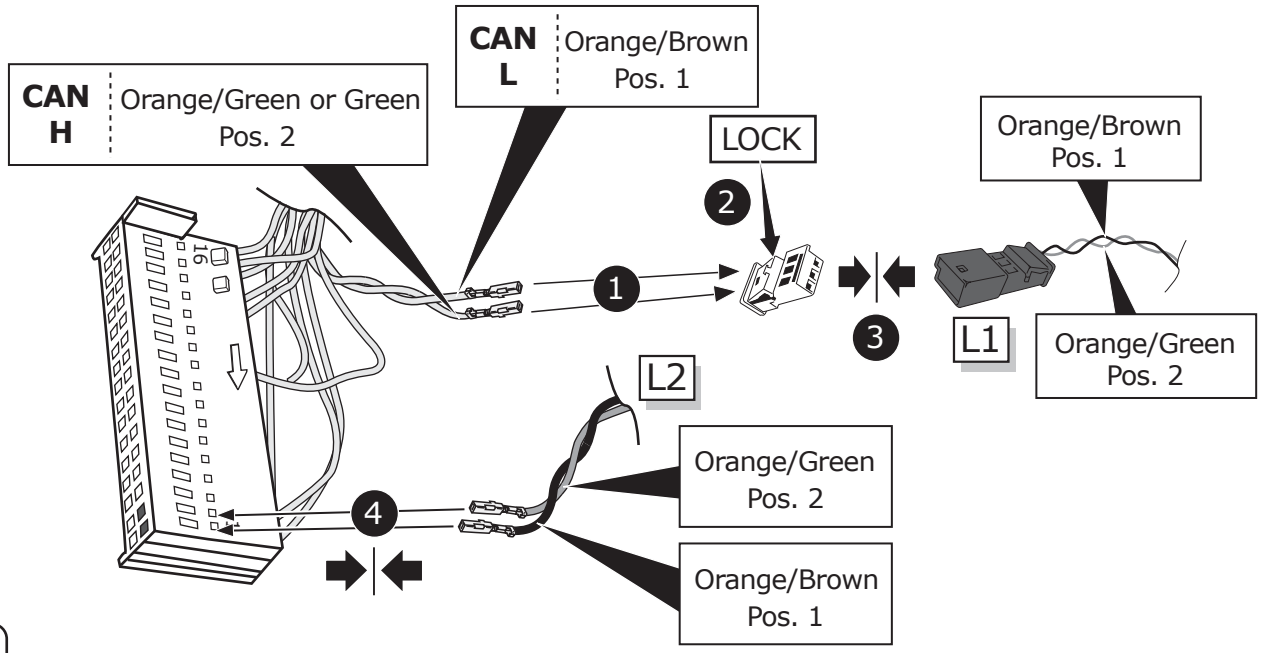
30

Right Connections UK Ltd
Unit 503 Queensway Business Park
TELFORD TF1 7UL UK

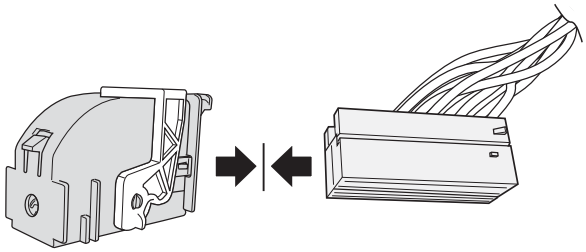
SALES: +44 (0)1952 608750 - Option 1
TECHNICAL: +44 (0)1952 608750 - Option 2

Web: www.rightconnections.co.uk
Email: Technical@rightconnect.co.uk

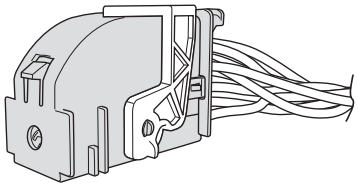
Revision: 0 / 23.02.2024
AU-080-13M

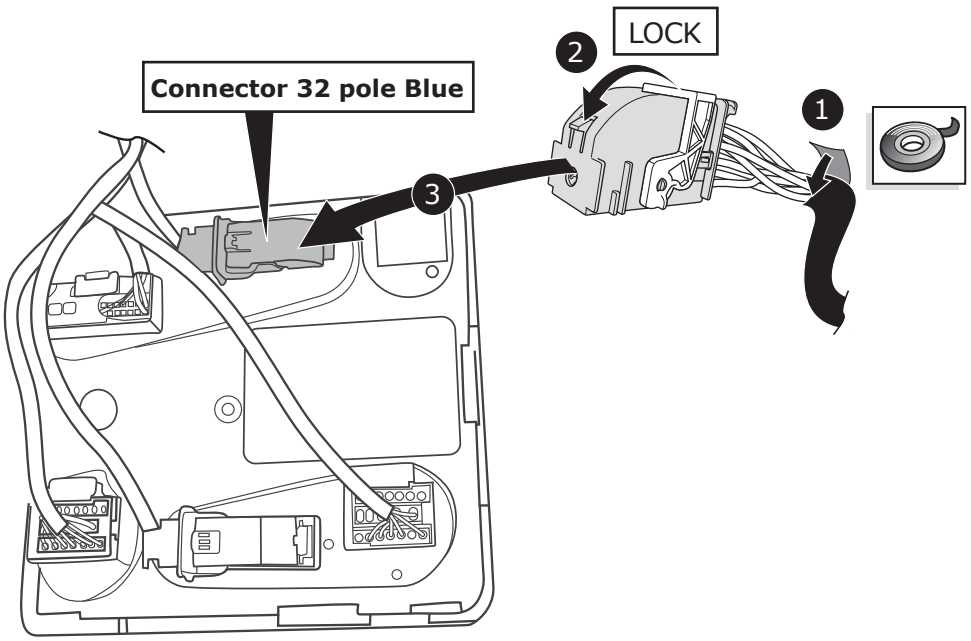


31



32





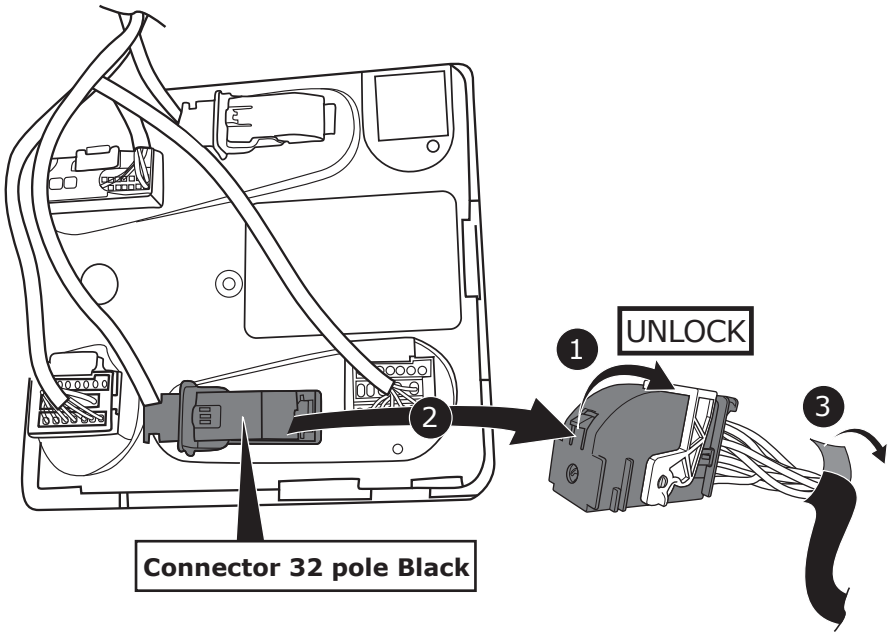
33

Right Connections UK Ltd
Unit 503 Queensway Business Park
TELFORD TF1 7UL UK

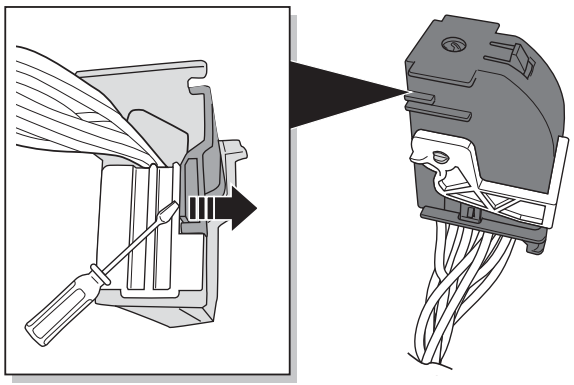
SALES: +44 (0)1952 608750 - Option 1
TECHNICAL: +44 (0)1952 608750 - Option 2

Web: www.rightconnections.co.uk
Email: Technical@rightconnect.co.uk

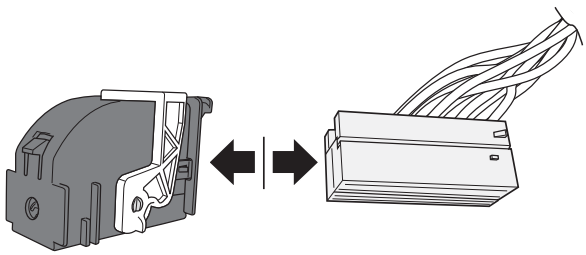
Revision: 0 / 23.02.2024
AU-080-13M



34

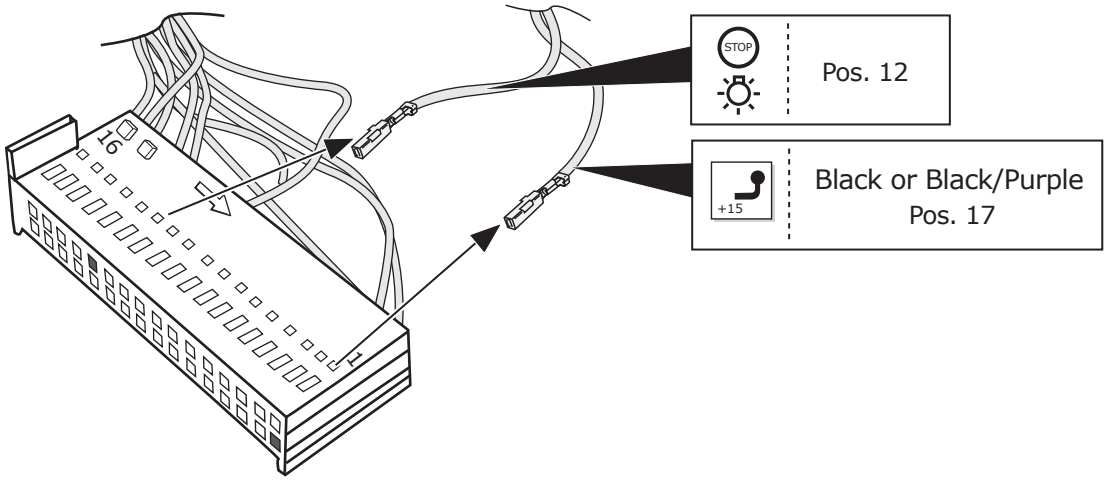


Connector 32 pole Black



Connector 32 pole Black

35



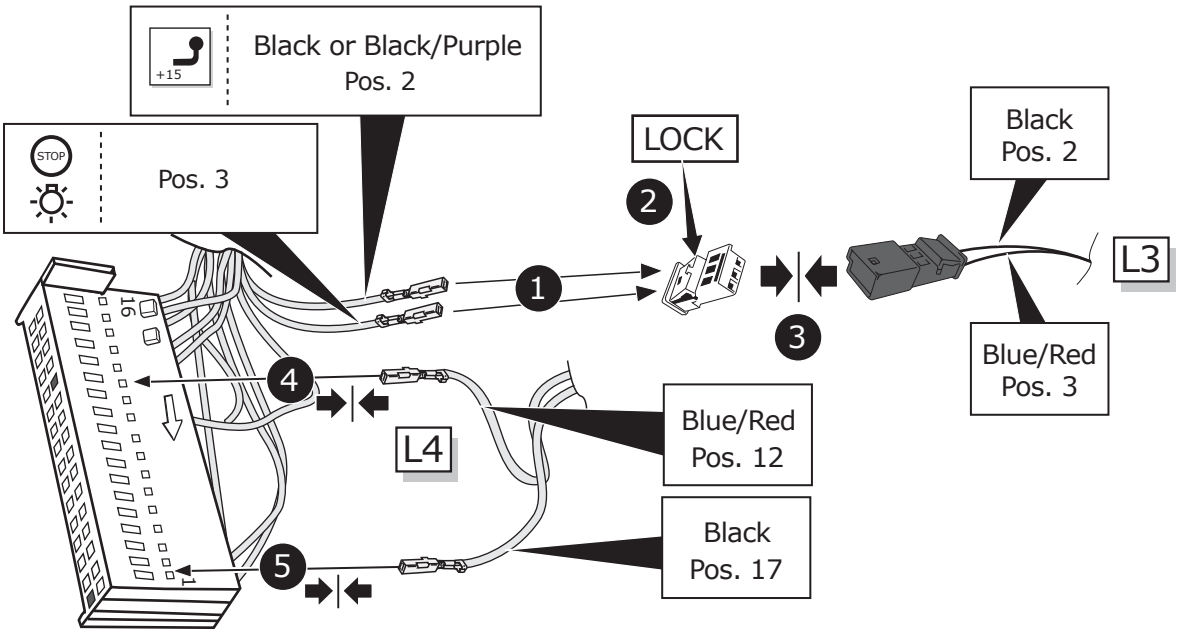
36

Right Connections UK Ltd
Unit 503 Queensway Business Park
TELFORD TF1 7UL UK

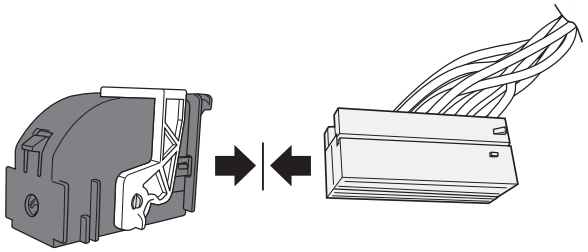
SALES: +44 (0)1952 608750 - Option 1
TECHNICAL: +44 (0)1952 608750 - Option 2

Web: www.rightconnections.co.uk
Email: Technical@rightconnect.co.uk

Revision: 0 / 23.02.2024
AU-080-13M

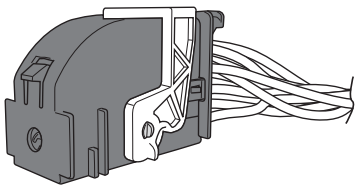


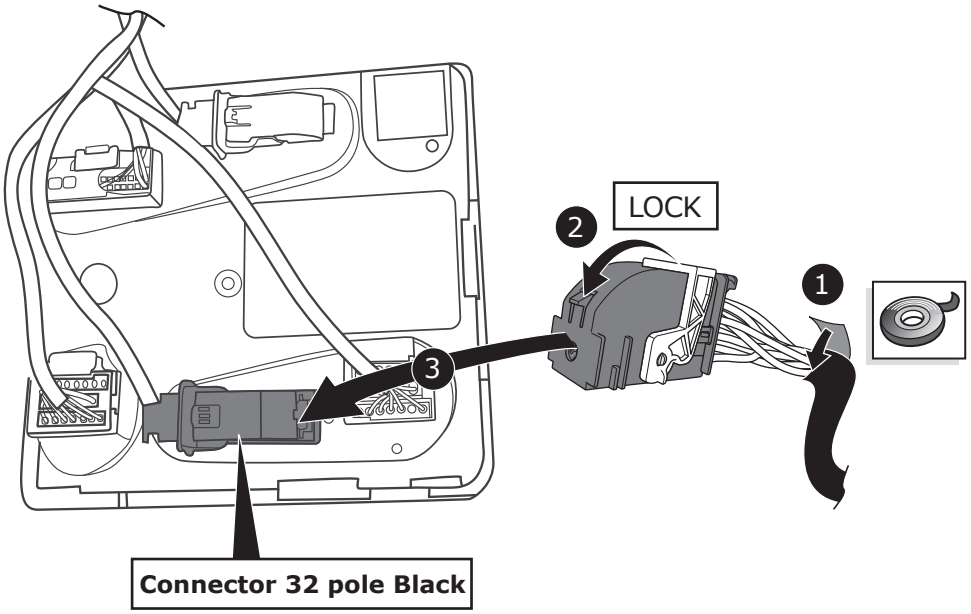
37



38

Connector 32 pole Black





39

Right Connections UK Ltd
Unit 503 Queensway Business Park
TELFORD TF1 7UL UK

SALES: +44 (0)1952 608750 - Option 1
TECHNICAL: +44 (0)1952 608750 - Option 2

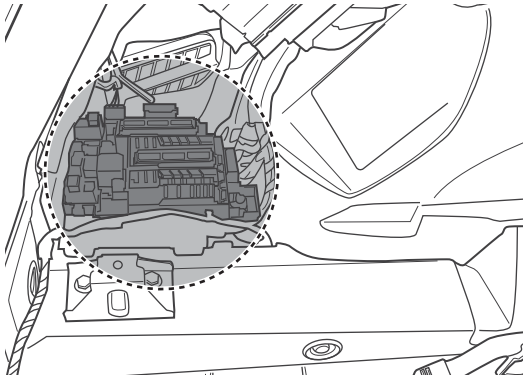
Web: www.rightconnections.co.uk
Email: Technical@rightconnect.co.uk

Revision: 0 / 23.02.2024
AU-080-13M

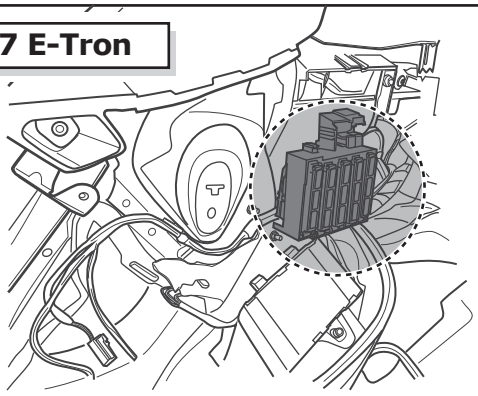
Q5

Q7 & Q8

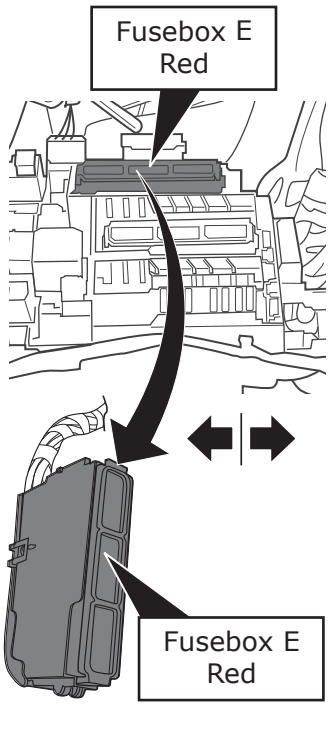
Touareg



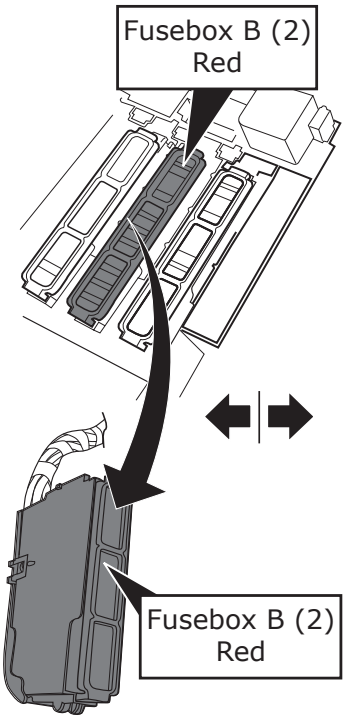
Q7 E-Tron



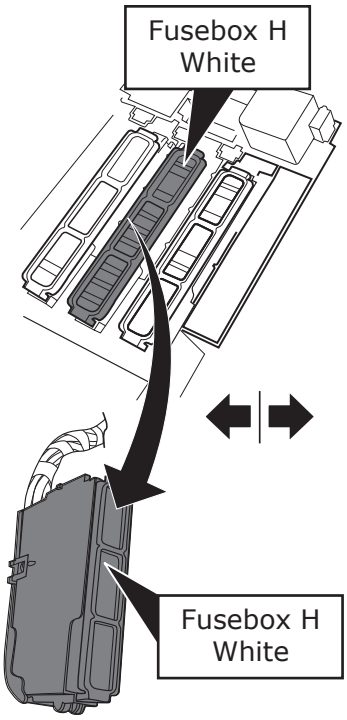
Q5



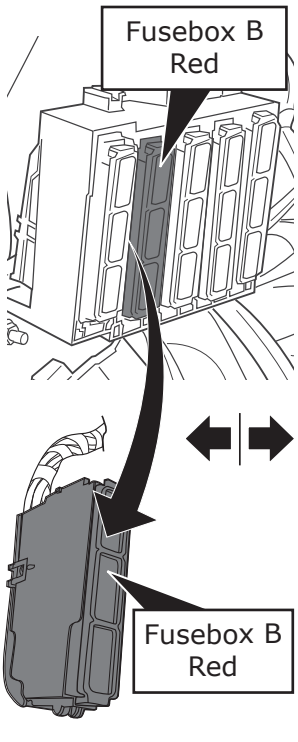
Q7 & Q8

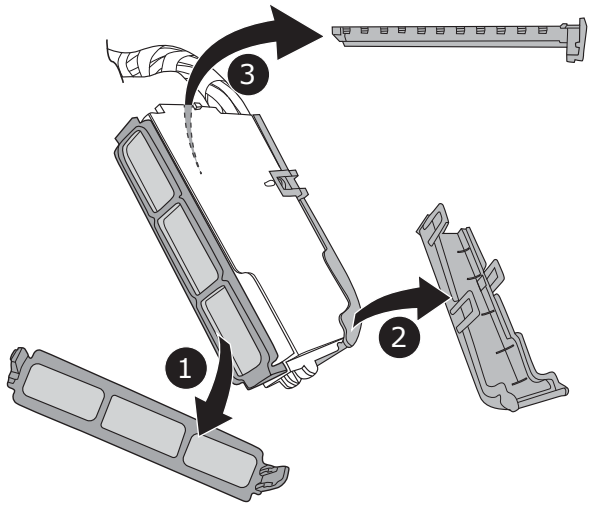


Touareg

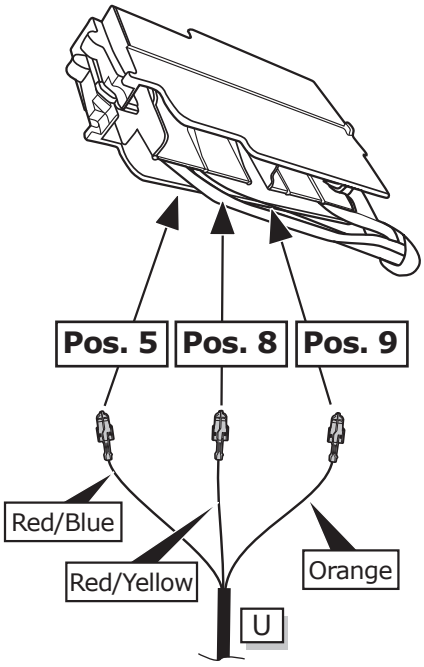


Q7 E-Tron





4



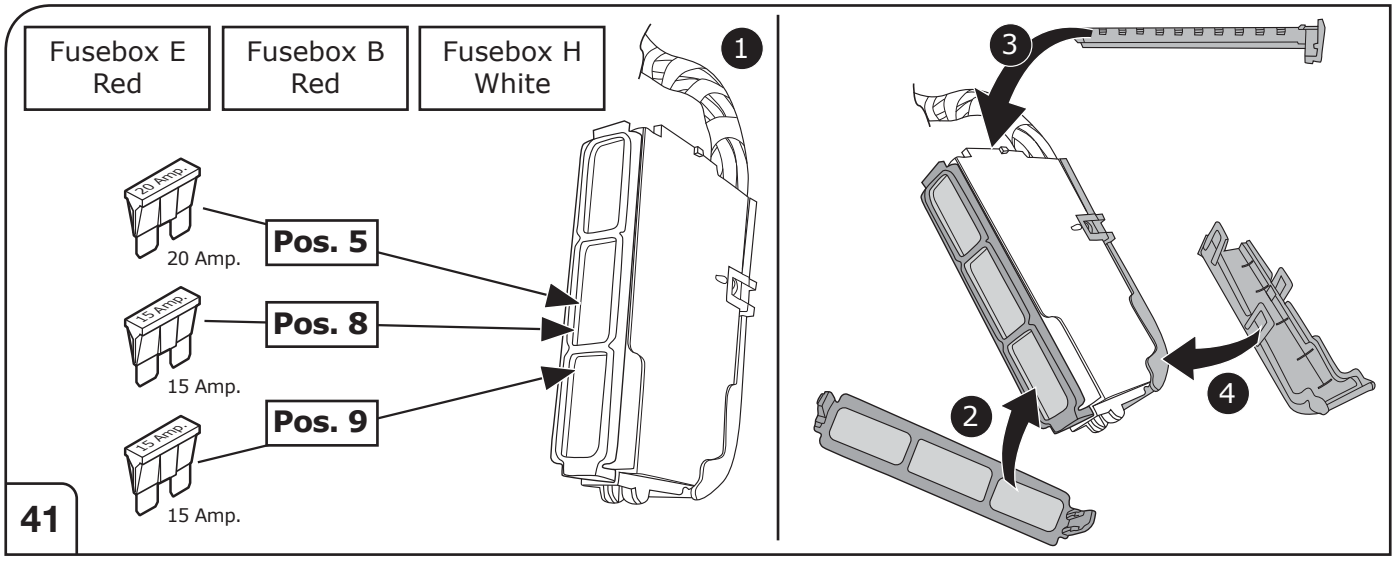
40

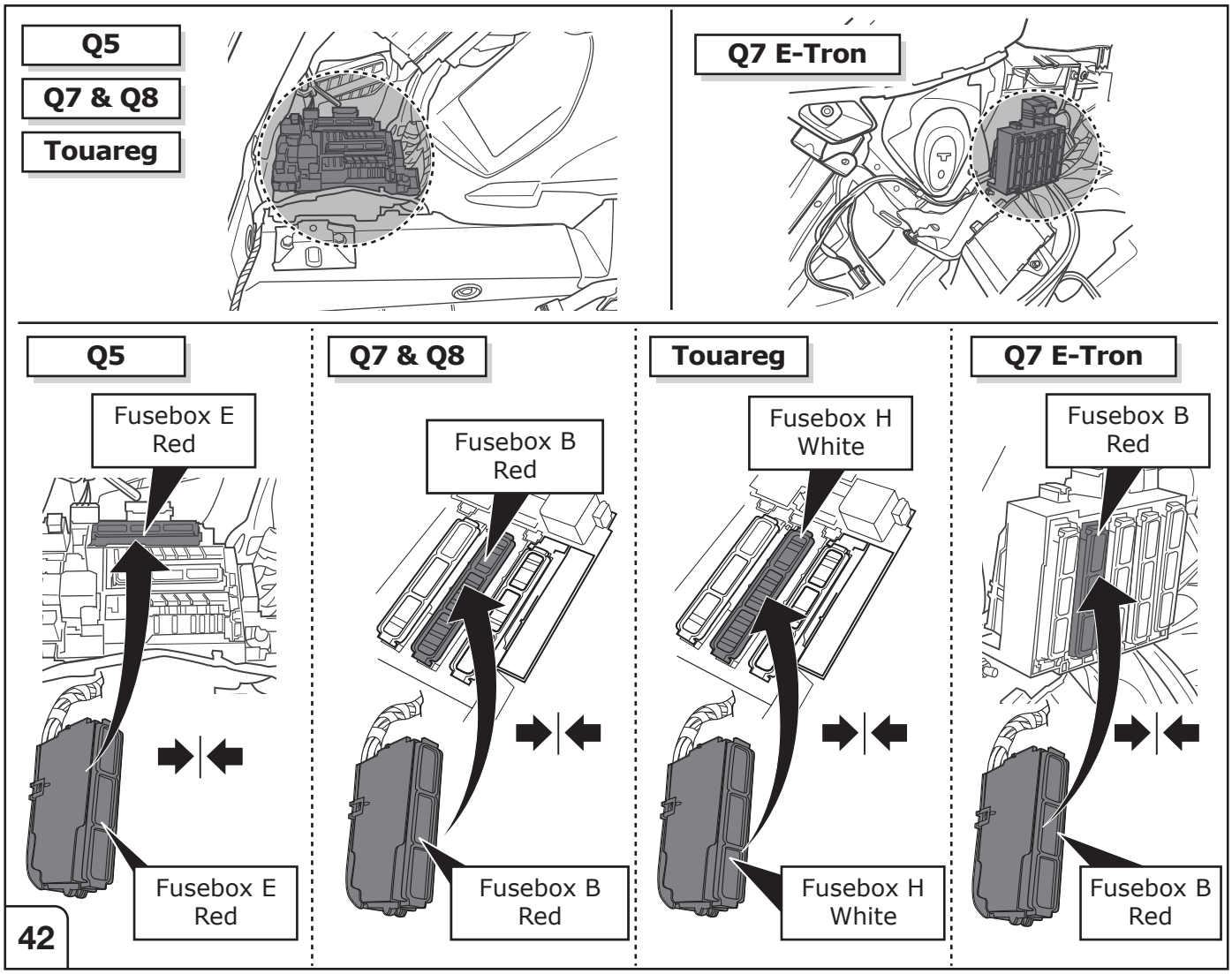
Right Connections UK Ltd
Unit 503 Queensway Business Park
TELFORD TF1 7UL UK

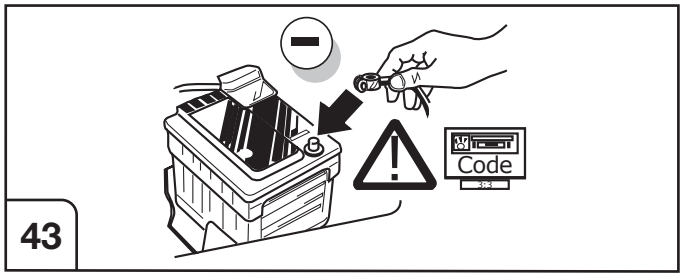
SALES: +44 (0)1952 608750 - Option 1
TECHNICAL: +44 (0)1952 608750 - Option 2

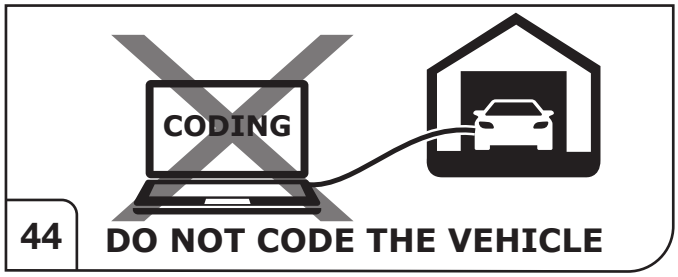
Web: www.rightconnections.co.uk
Email: Technical@rightconnect.co.uk

Revision: 0 / 23.02.2024
AU-080-13M









Right Connections UK Ltd
Unit 503 Queensway Business Park
TELFORD TF1 7UL UK

SALES: +44 (0)1952 608750 - Option 1
TECHNICAL: +44 (0)1952 608750 - Option 2

Web: www.rightconnections.co.uk
Email: Technical@rightconnect.co.uk

Revision: 0 / 23.02.2024
AU-080-13M

Optional

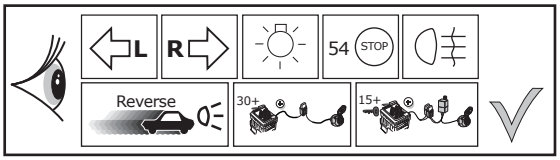
Right Connections
towbar wiring kits for the uk

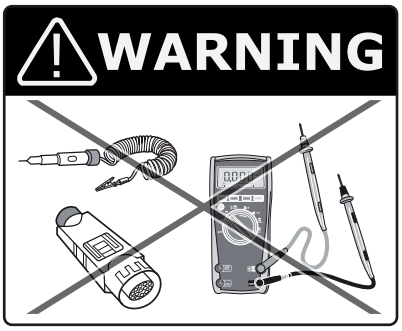


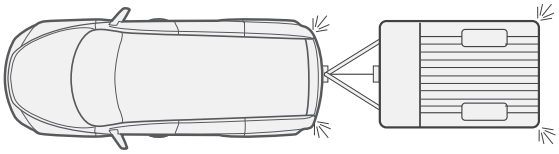
Trailer Simulator for 7- and 13-pin Sockets

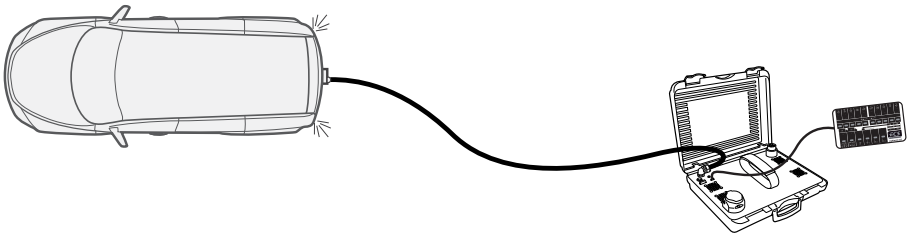
45

Functional test

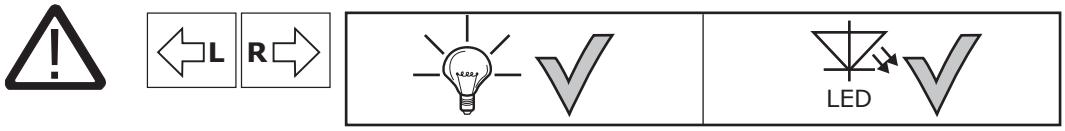


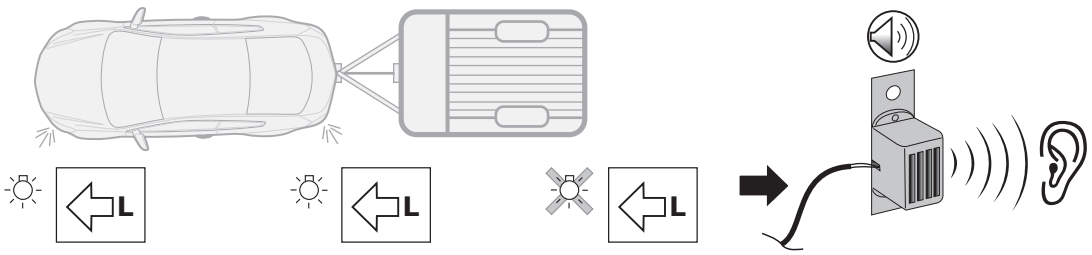






46





47

Right Connections UK Ltd
Unit 503 Queensway Business Park
TELFORD TF1 7UL UK

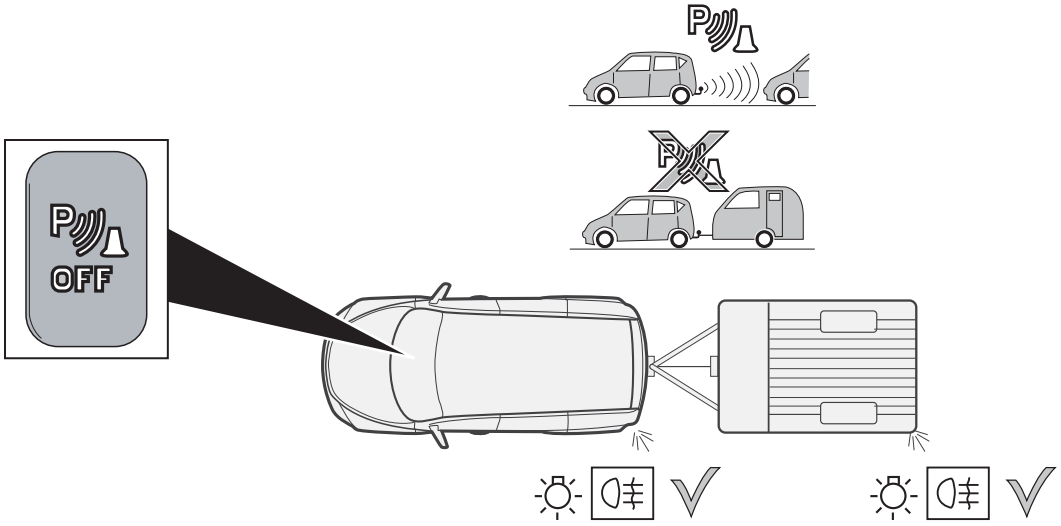
SALES: +44 (0)1952 608750 - Option 1
TECHNICAL: +44 (0)1952 608750 - Option 2

Web: www.rightconnections.co.uk
Email: Technical@rightconnect.co.uk

Revision: 0 / 23.02.2024
AU-080-13M

Rear fog light cut-off is not supported!

PDC to be deactivated manually!



48

The following light functions for the trailer are not **supported** by all towing vehicles **with DRL circuit:**

- **Rear lights**
- **Side lights**
- **Numberplate lights**

The **taillights or dimmed headlights must be switched** on to activate this function!

INFO

Optional

Adapter socket



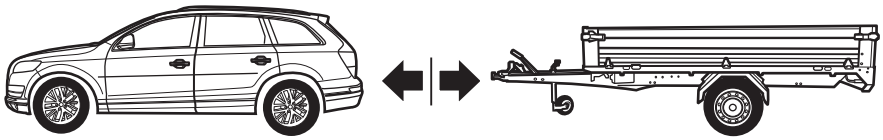
49

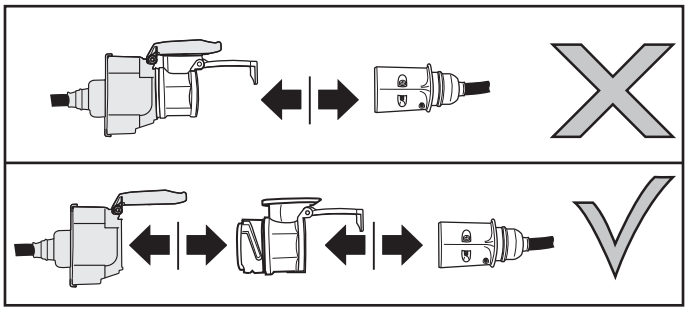
Right Connections UK Ltd
Unit 503 Queensway Business Park
TELFORD TF1 7UL UK

SALES: +44 (0)1952 608750 - Option 1
TECHNICAL: +44 (0)1952 608750 - Option 2

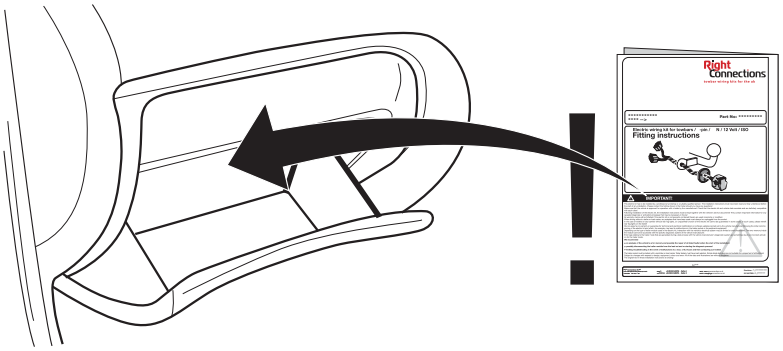
Web: www.rightconnections.co.uk
Email: Technical@rightconnect.co.uk

Revision: 0 / 23.02.2024
AU-080-13M





50



51

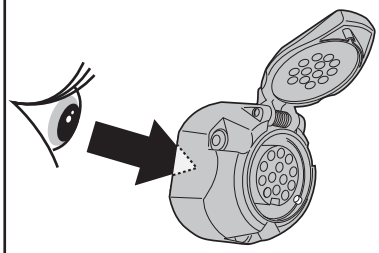
Right Connections UK Ltd
Unit 503 Queensway Business Park
TELFORD TF1 7UL UK

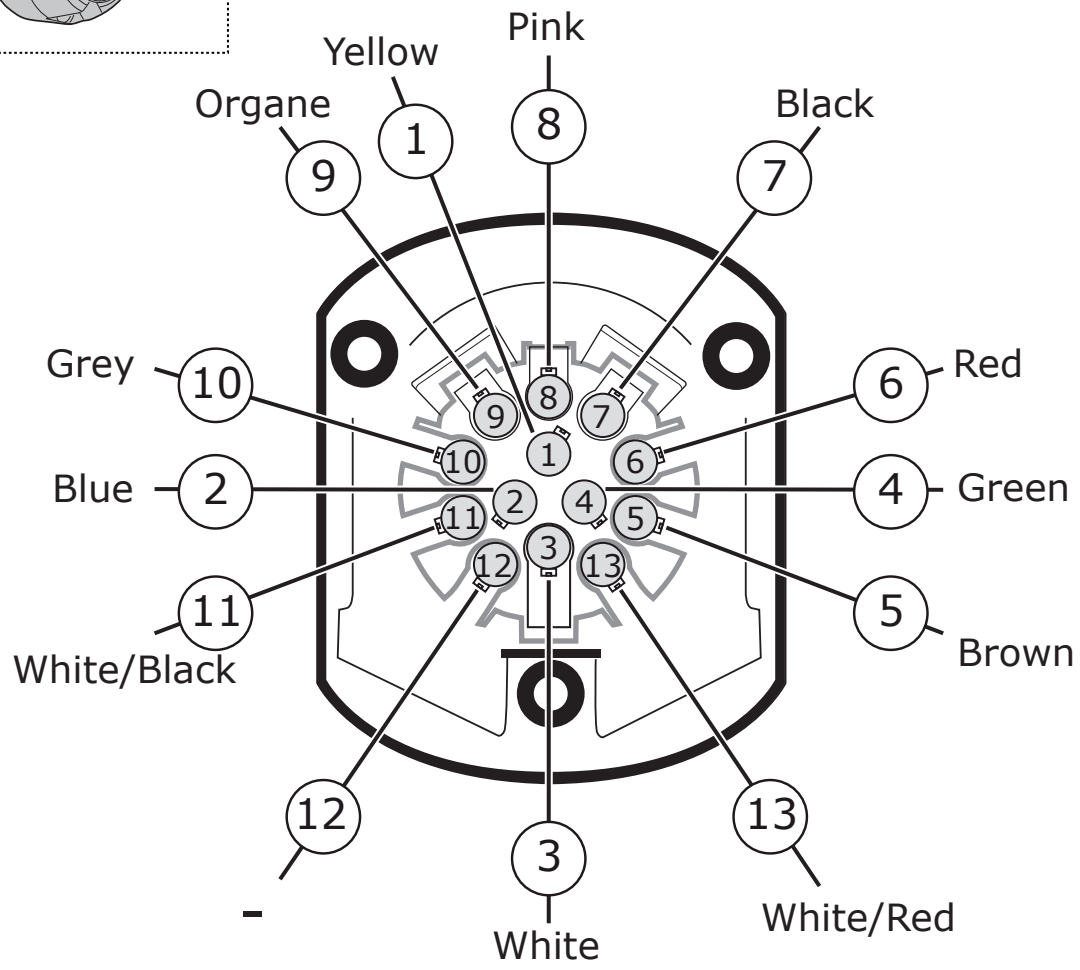
SALES: +44 (0)1952 608750 - Option 1
TECHNICAL: +44 (0)1952 608750 - Option 2

Web: www.rightconnections.co.uk
Email: Technical@rightconnect.co.uk

Revision: 0 / 23.02.2024
AU-080-13M

SOCKET CONNECTION





SOCKET CONNECTION

DIN/ISO 11446	L		⏚1-8	R		STOP		Reverse	30+	15+	⏚10	—	⏚ 9
	1/L	2	3/31	4/R	5/58-R	6/54	7/58-L	8	9	10	11	12	13
Pmax	21W	21W		21W	42W	3x21W	42W	21W	180W	180W			
Colour	Yellow	Blue	White	Green	Brown	Red	Black	Pink	Organe	Grey	White/Black	-	White/Red

Right Connections UK Ltd
Unit 503 Queensway Business Park
TELFORD TF1 7UL UK

SALES: +44 (0)1952 608750 - Option 1
TECHNICAL: +44 (0)1952 608750 - Option 2

Web: www.rightconnections.co.uk
Email: Technical@rightconnect.co.uk

Revision: 0 / 23.02.2024
AU-080-13M