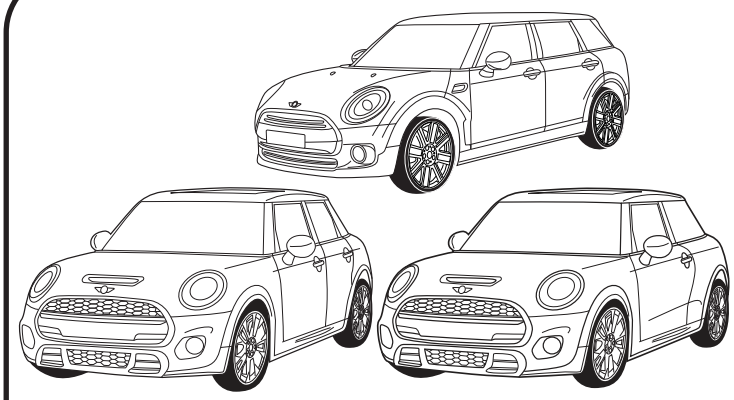


Right Connections

towbar wiring kits for the uk

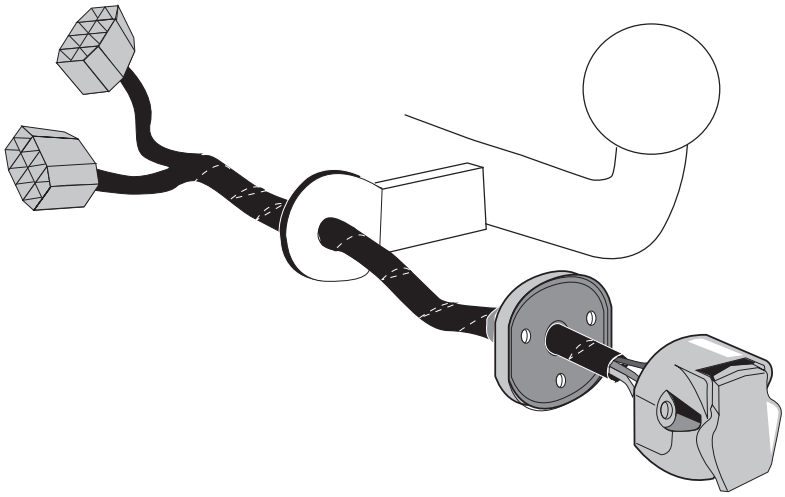
MINI

F54 Clubman	10/2015 >> 02/2024
F55 5-doors	10/2014 >> 05/2024
F56 3-doors	04/2014 >> 03/2024
F57 Convertible	03/2016 >> 01/2025
F60 Countryman	02/2017 >> 01/2024
F60 Countryman PHEV	06/2017 >> 03/2024
SE electric	03/2020 >>

Part No: BW-027-07M

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

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!**

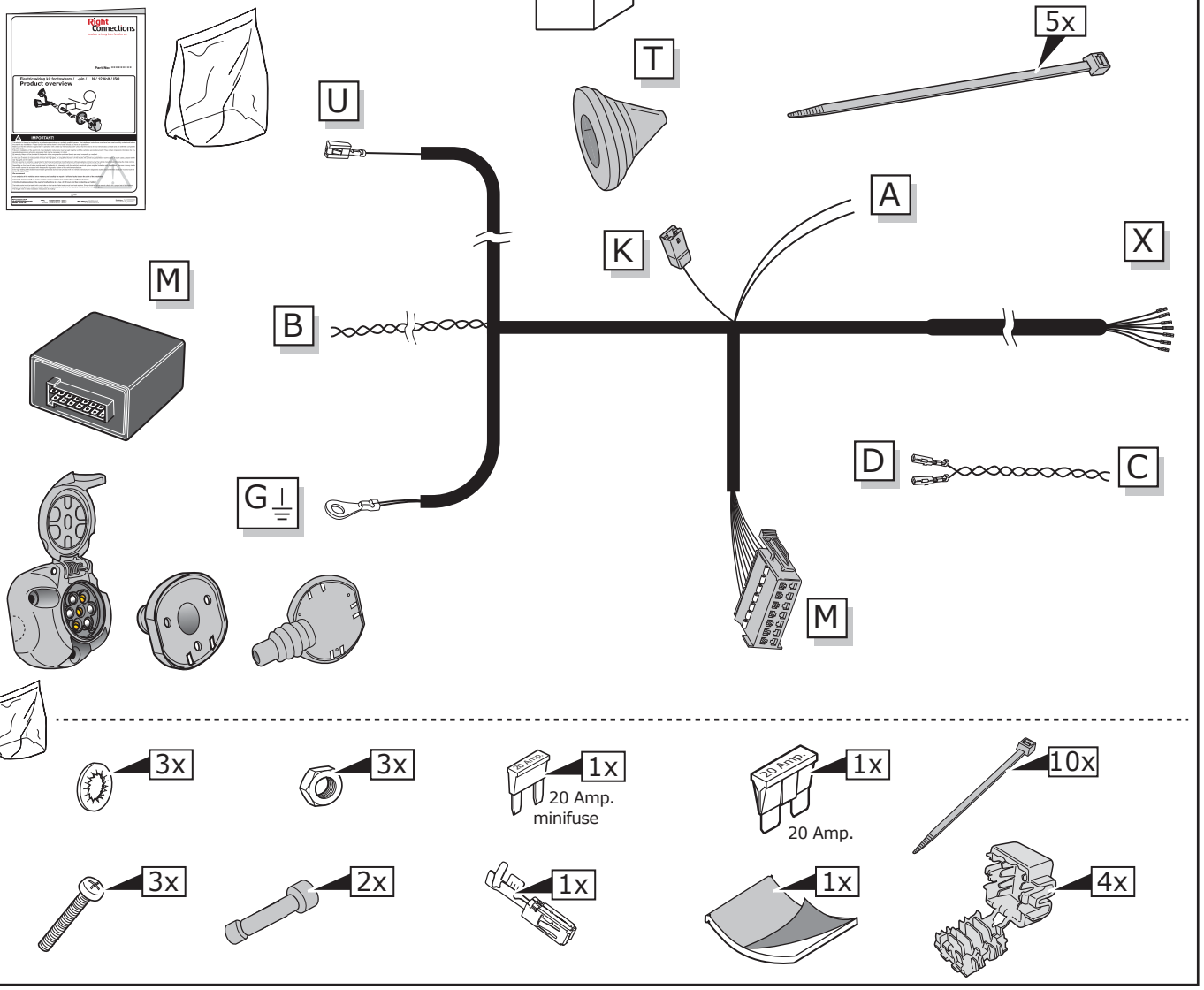
Please follow our instructions carefully and always test the towing electrics using a true lighting board or a specifically designed bulb tester. If an LED tester is used, ensure it is equipped with correct load resistors or malfunctions will occur!
This instruction is subject to changes and we reserve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

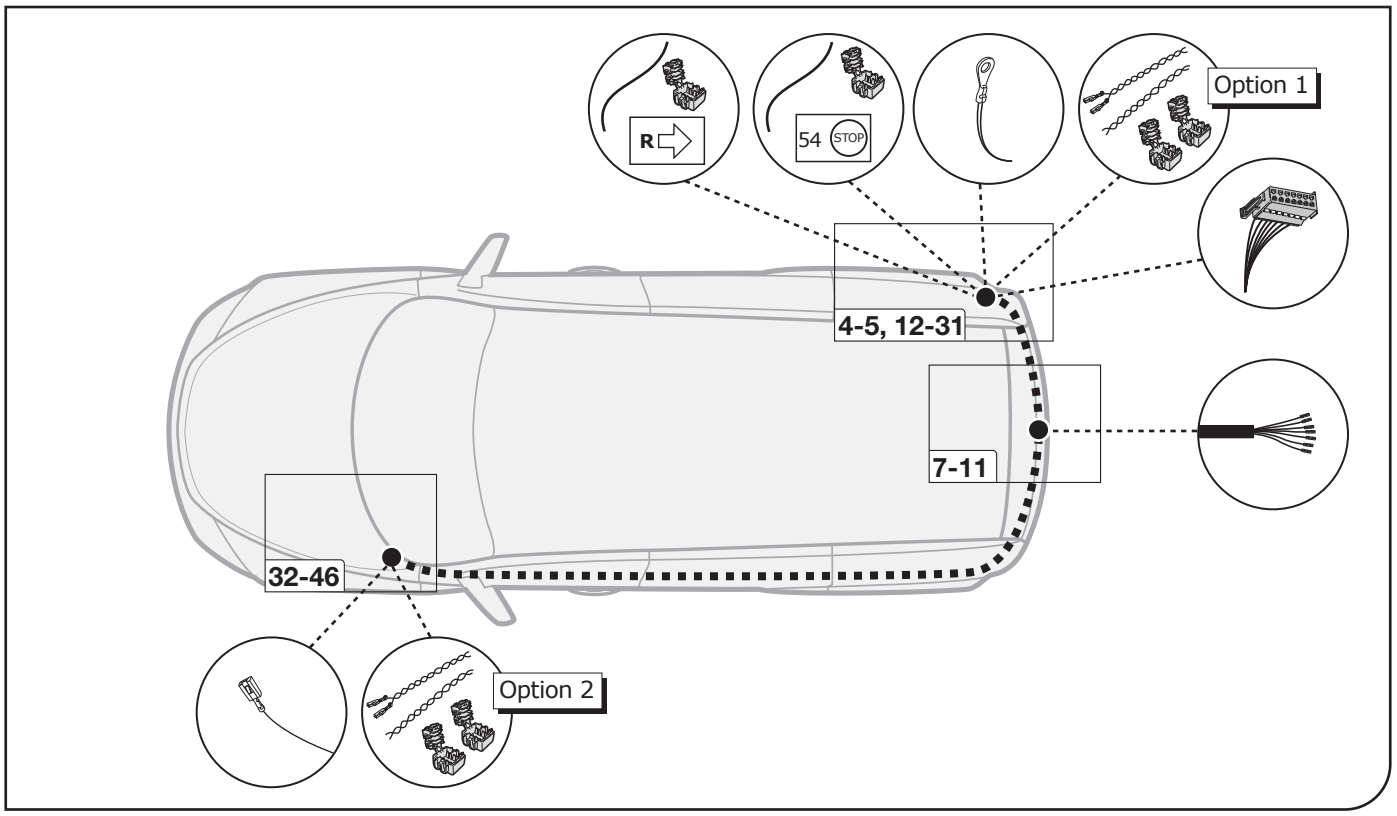
Right Connections UK Ltd
Unit 503 Queensway Business Park
TELFORD TF1 7UL UK

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: 7 / 07.02.2025
BW-027-07M





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

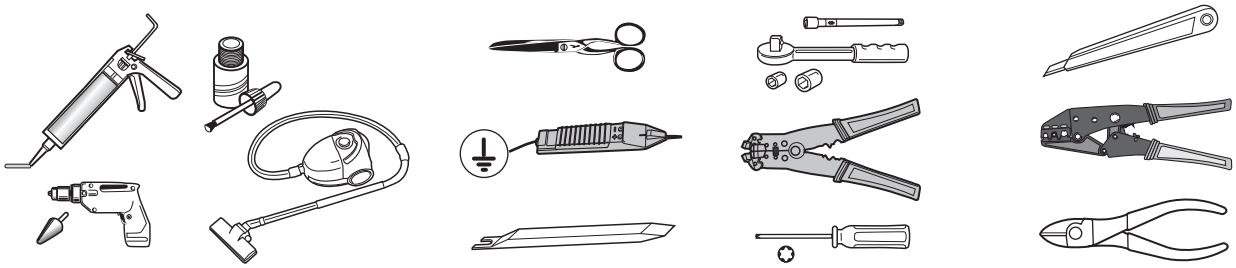
Revision: 7 / 07.02.2025
BW-027-07M

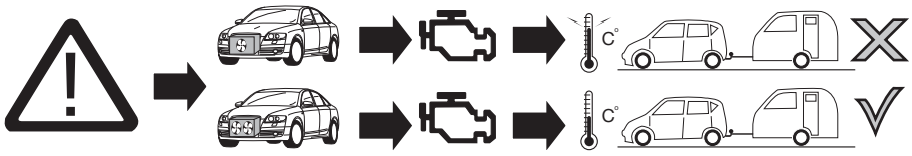
SYMBOL EXPLANATION

	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

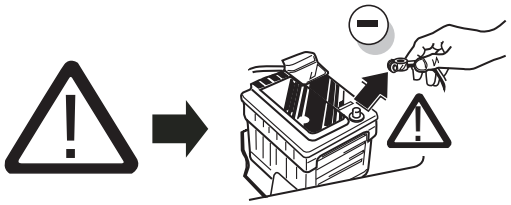
12V	Cigarette lighter / accessory socket
	Loudspeaker / buzzer
	Park Distance Control
	Switch / source of function
	Connect together
	Disconnect
	Look at / See further information
	Look carefully at selected area
	Present / Occupied / OK
	Not present / Not occupied / Not OK
	Acoustic indication
	Attention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

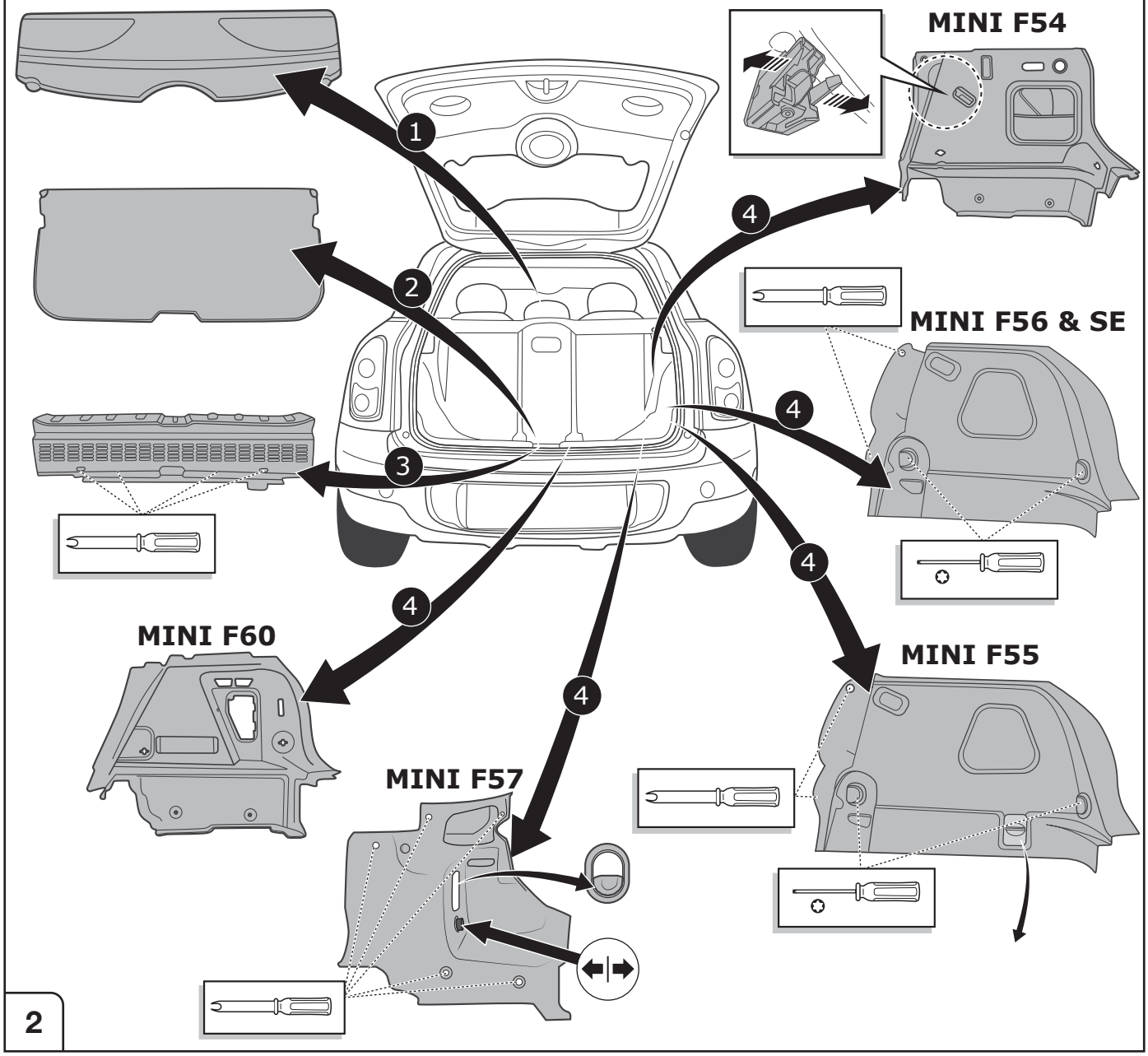
Right Connections UK Ltd
Unit 503 Queensway Business Park
TELFORD TF1 7UL UK

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

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

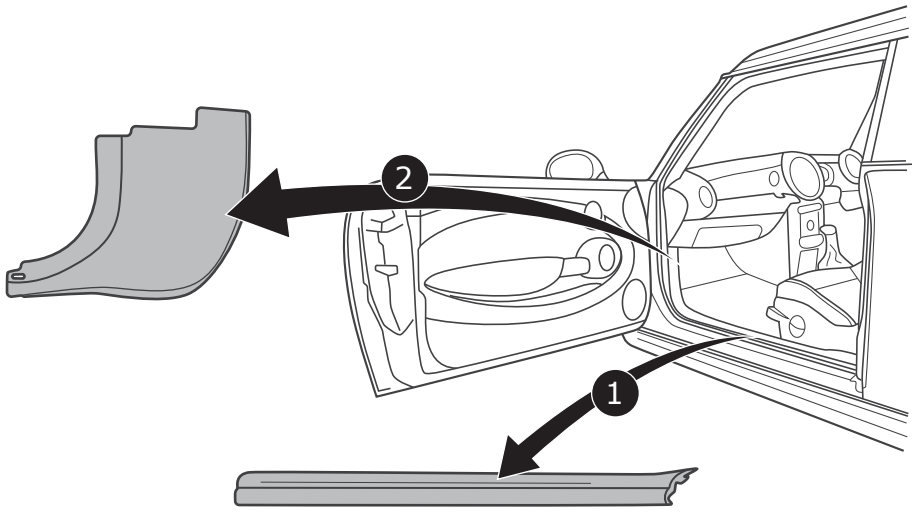
Revision: 7 / 07.02.2025
BW-027-07M

MINI



2

MINI



3

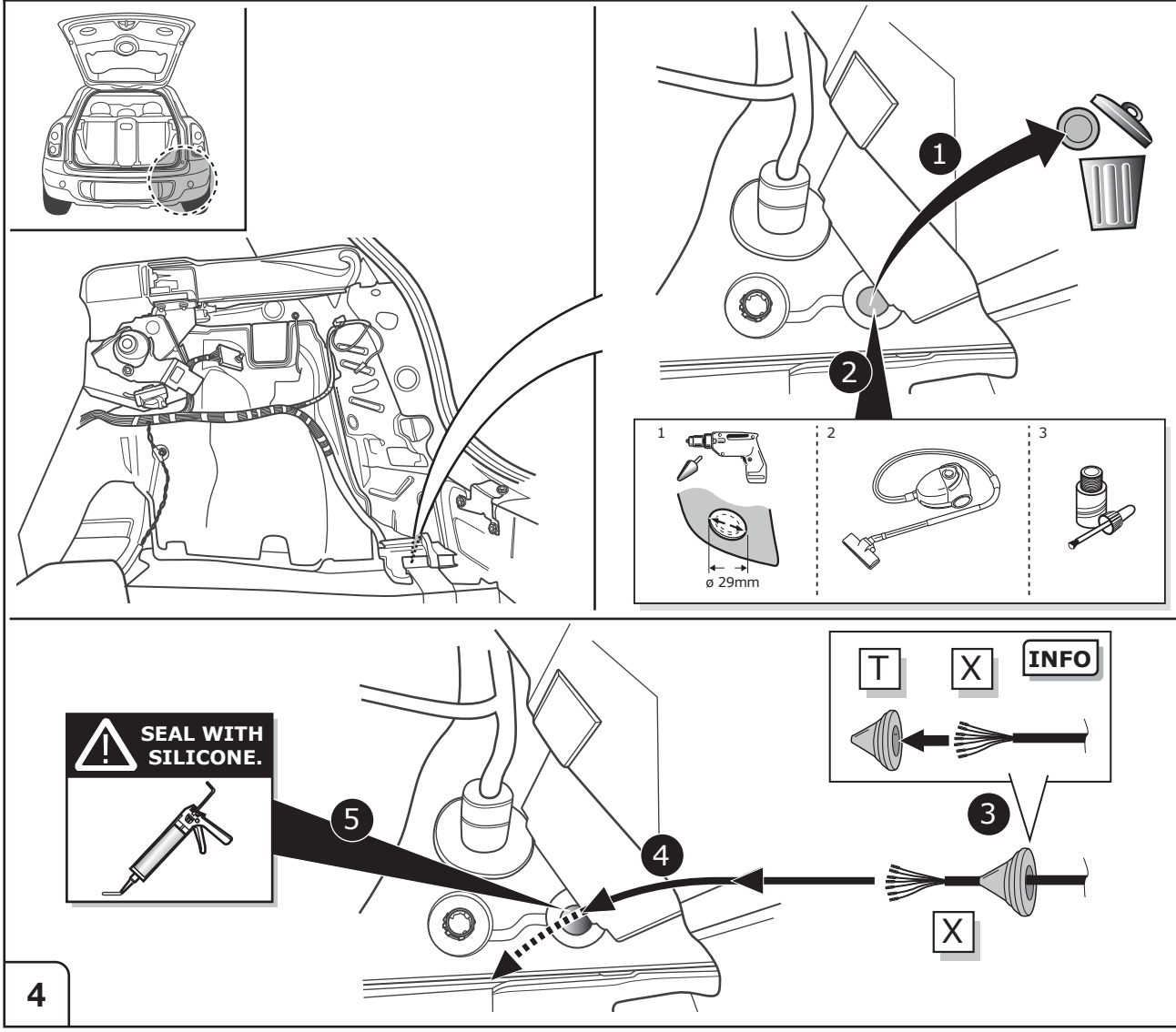
Right Connections UK Ltd
Unit 503 Queensway Business Park
TELFORD TF1 7UL UK

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

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

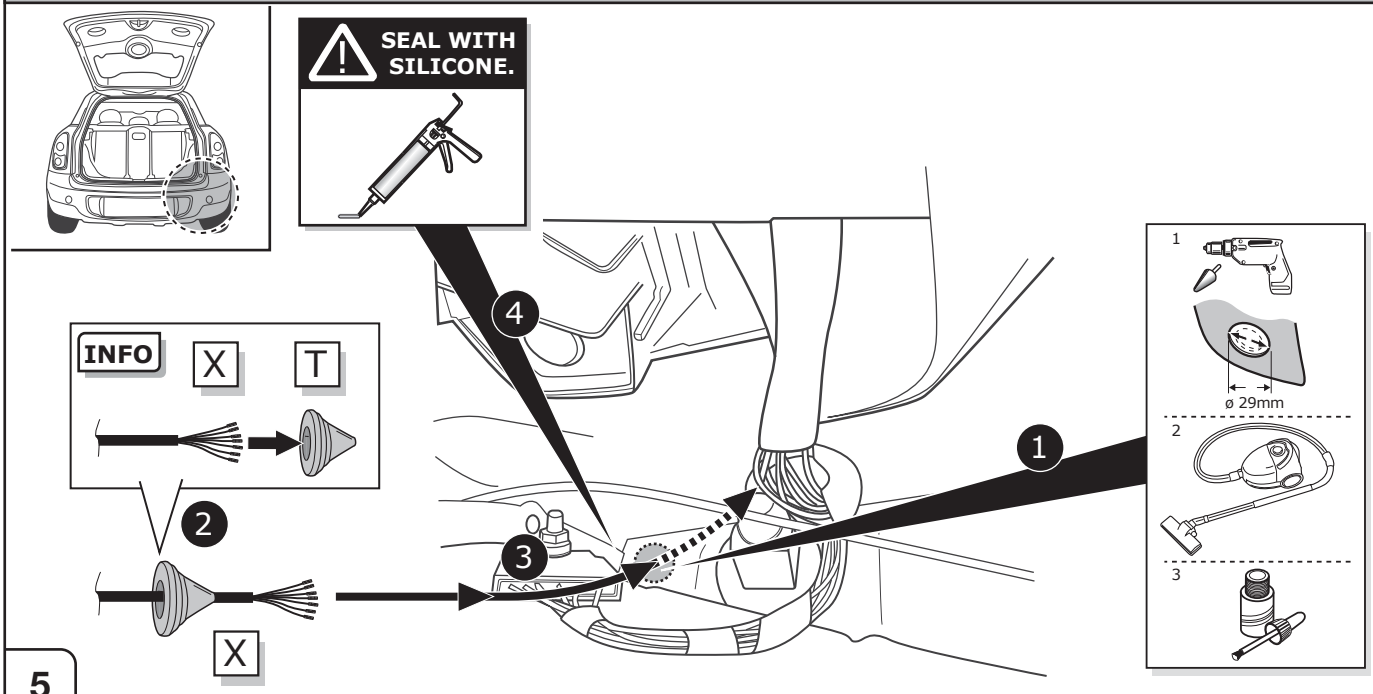
Revision: 7 / 07.02.2025
BW-027-07M

MINI F54/ F57/ F60



4

MINI F55 / F56 / SE



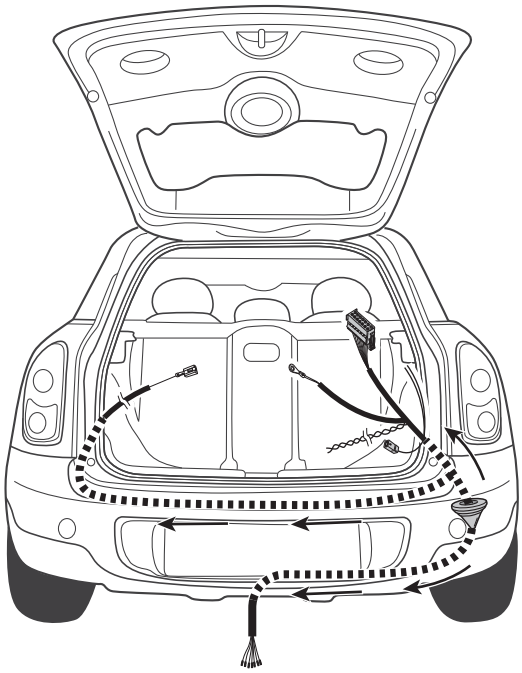
5

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

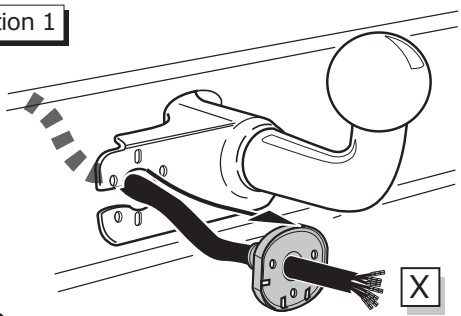
Web: www.rightconnections.co.uk
Email: Technical@rightconnect.co.uk

Revision: 7 / 07.02.2025
BW-027-07M

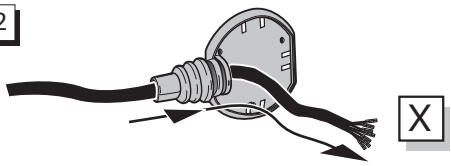


6

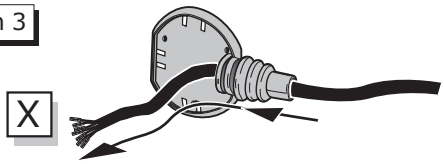
Option 1



Option 2



Option 3



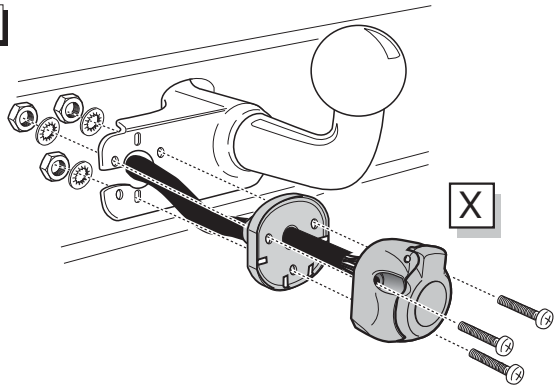
7

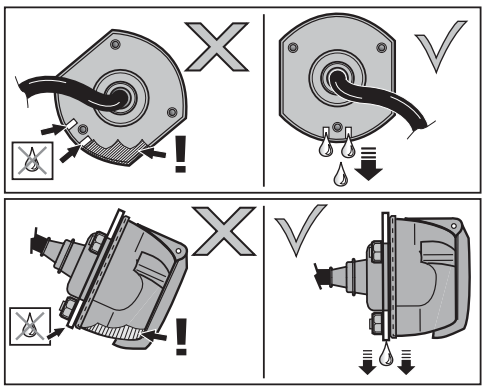
SOCKET CONNECTION

DIN/ISO 1724	L		1-7	R		STOP	
	1/L	2	3/31	4/R	5/58-R	6/54	7/58-L
Pmax	21W	21W		21W	42W	3x21W	42W
	Yellow	Blue	White	Green	Brown	Red	Black

8

Option 1





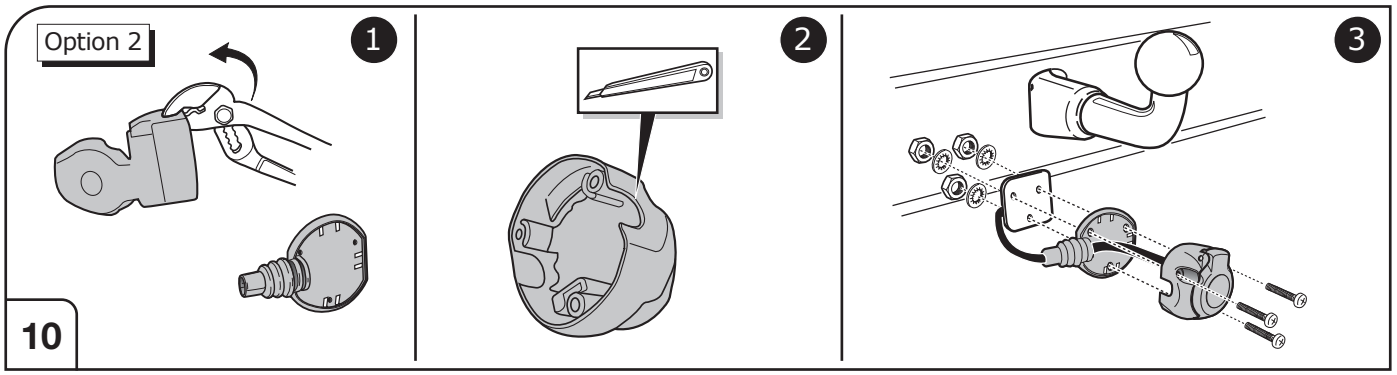
9

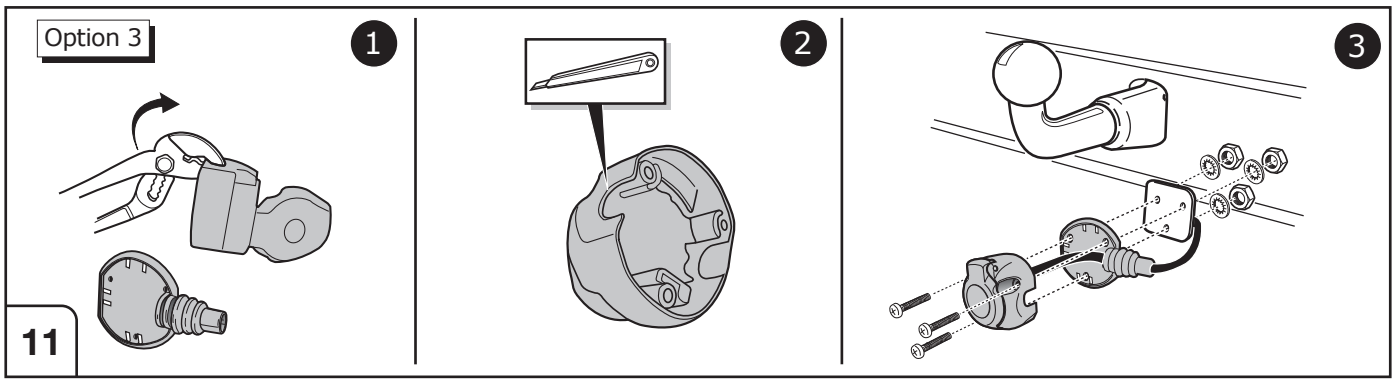
Right Connections UK Ltd
Unit 503 Queensway Business Park
TELFORD TF1 7UL UK

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

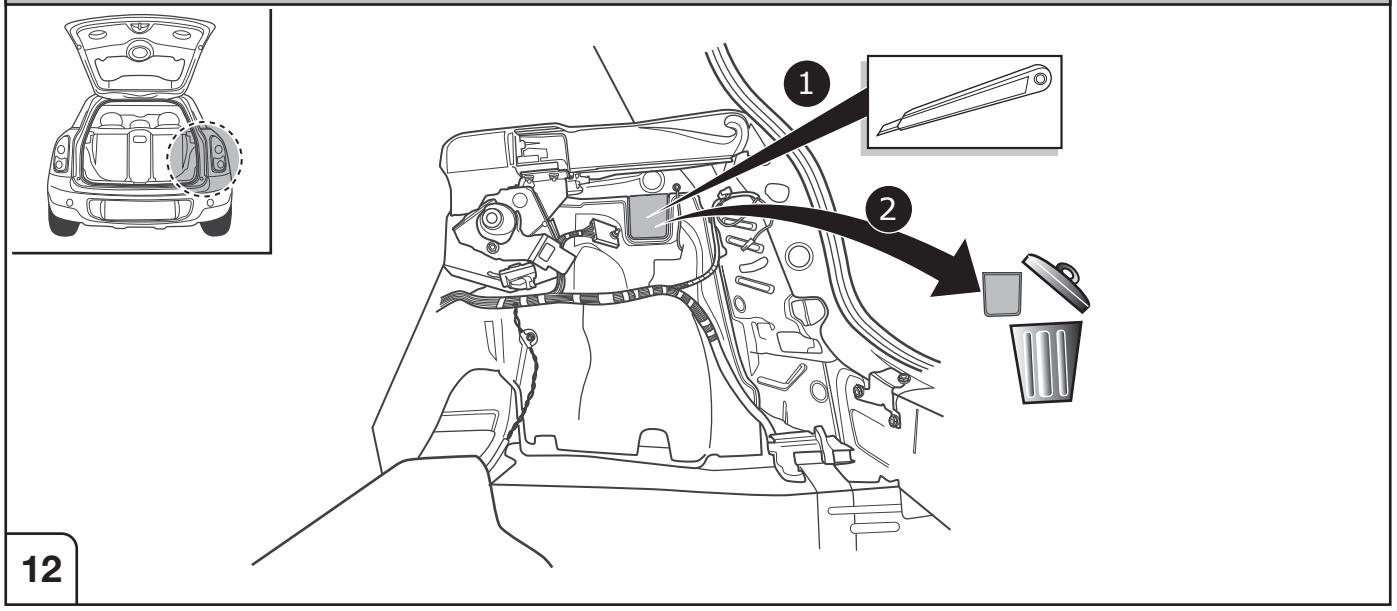
Web: www.rightconnections.co.uk
Email: Technical@rightconnect.co.uk

Revision: 7 / 07.02.2025
BW-027-07M

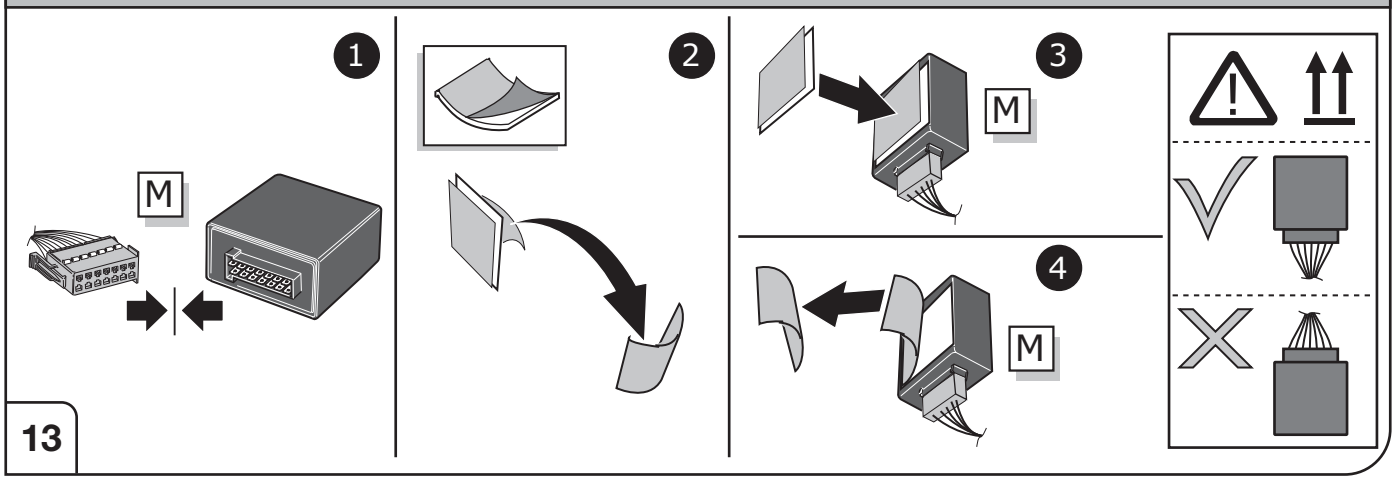




MINI F54/ F60



MINI



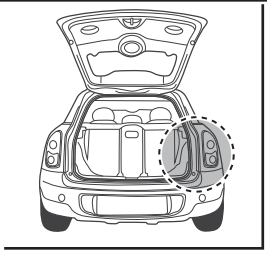
Right Connections UK Ltd
Unit 503 Queensway Business Park
TELFORD TF1 7UL UK

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

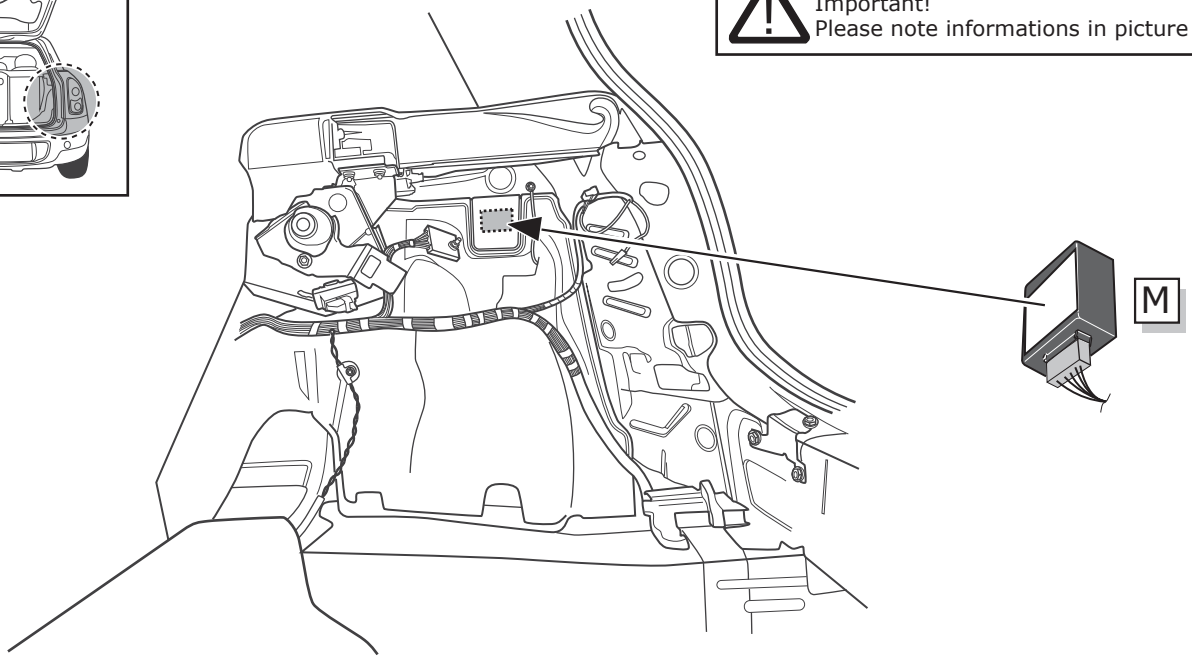
Web: www.rightconnections.co.uk
Email: Technical@rightconnect.co.uk

Revision: 7 / 07.02.2025
BW-027-07M

MINI F54/ F60

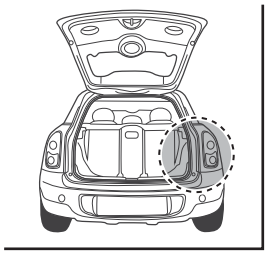


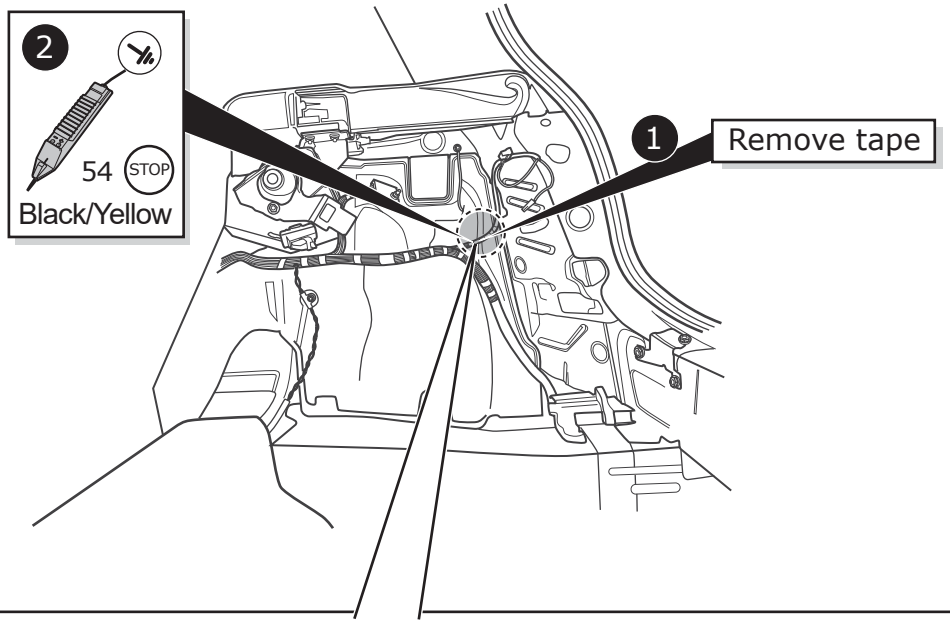
Important!
Please note informations in picture 1!



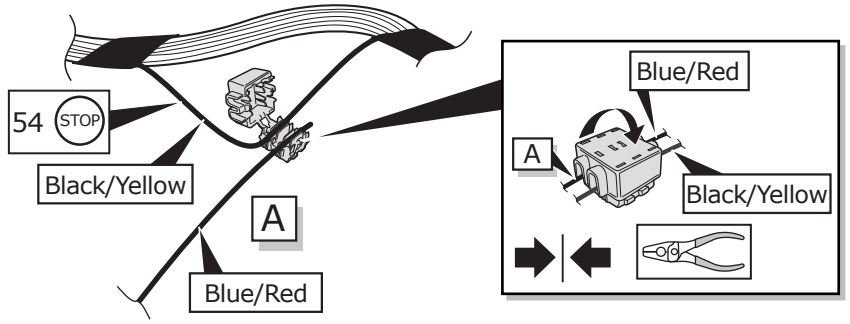
14

MINI F54/ F60





3



15

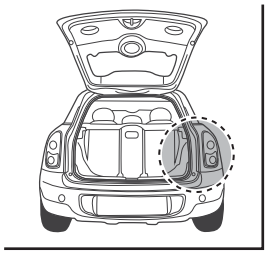
Right Connections UK Ltd
Unit 503 Queensway Business Park
TELFORD TF1 7UL UK

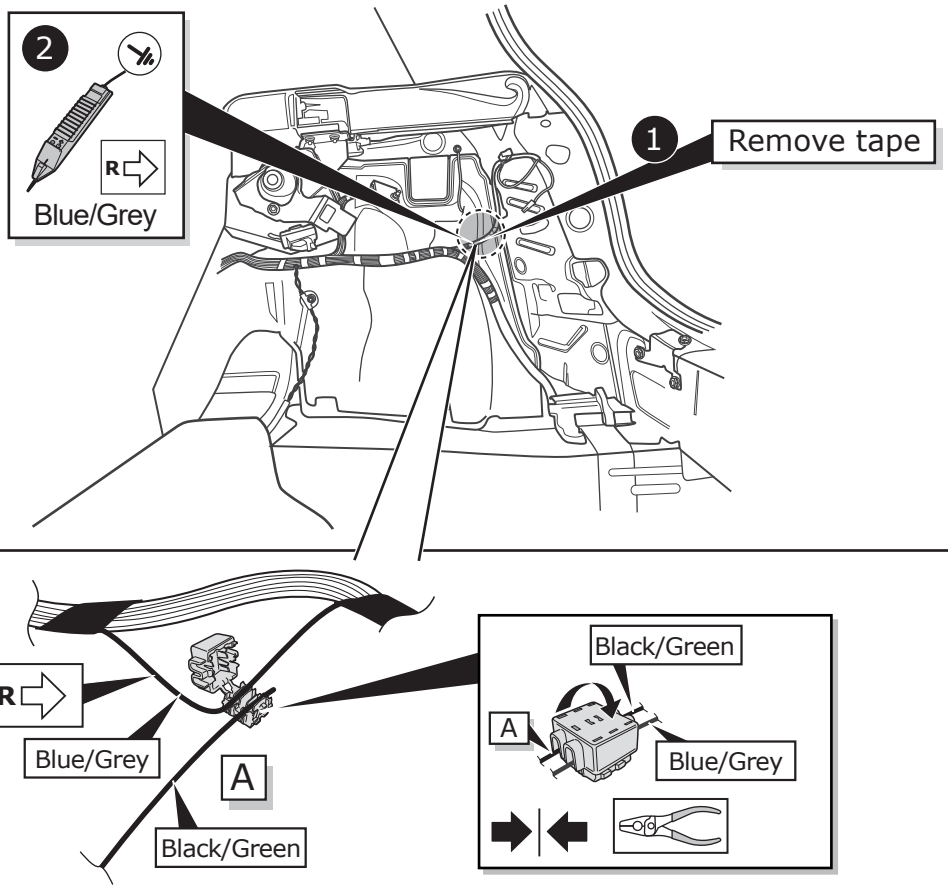
SALES: +44 (0)1952 608750 - Option 1
TECHNICAL: +44 (0)1952 608750 - Option 2

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

Revision: 7 / 07.02.2025
BW-027-07M

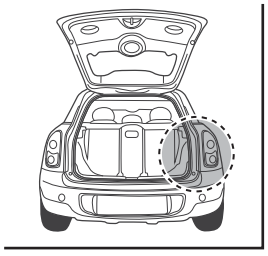
MINI F54/ F60

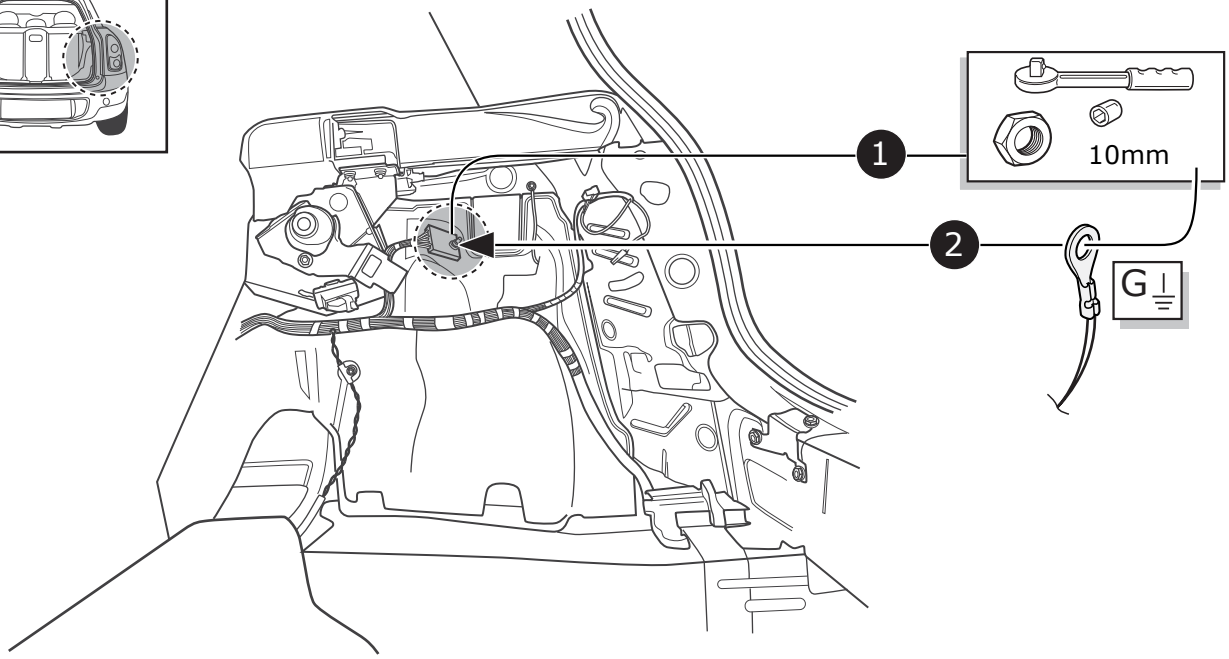




16

MINI F54/ F60





17

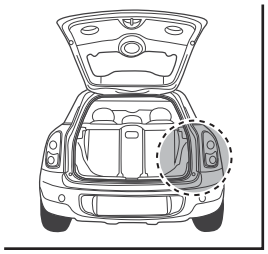
Right Connections UK Ltd
Unit 503 Queensway Business Park
TELFORD TF1 7UL UK

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

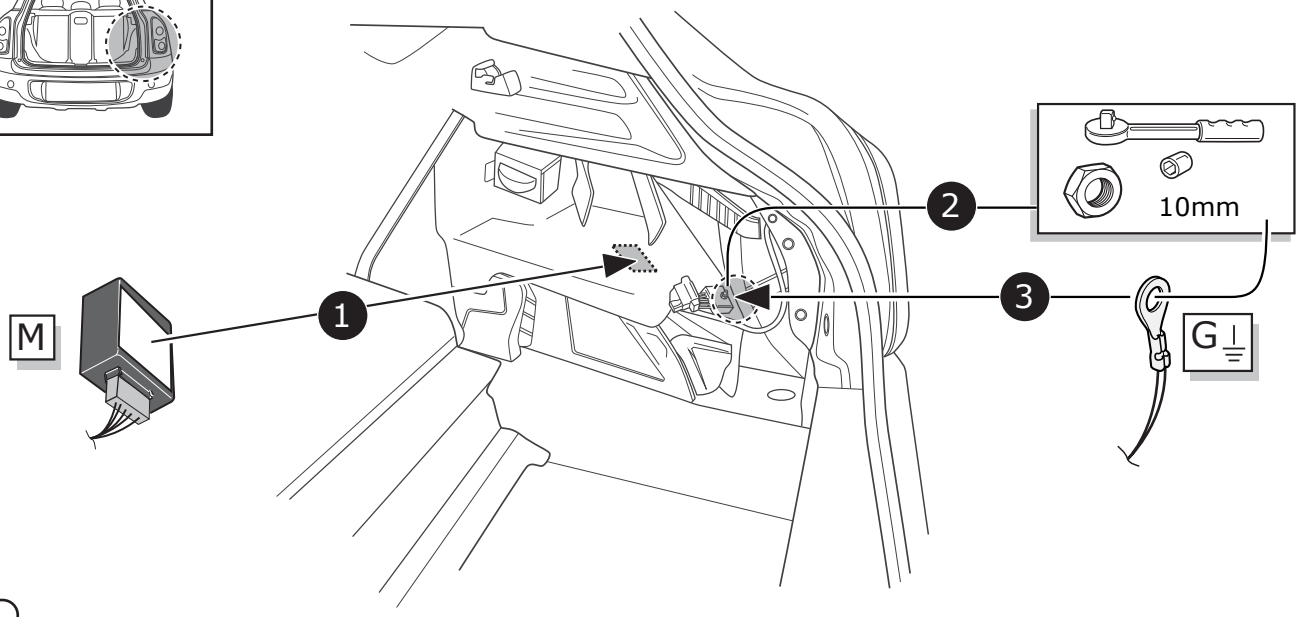
Web: www.rightconnections.co.uk
Email: Technical@rightconnect.co.uk

Revision: 7 / 07.02.2025
BW-027-07M

MINI F55/ F56/ F57 / SE

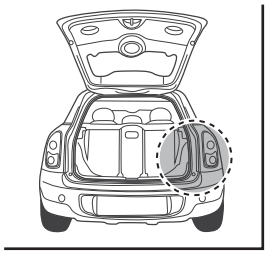


Important!
Please note informations in picture 1!

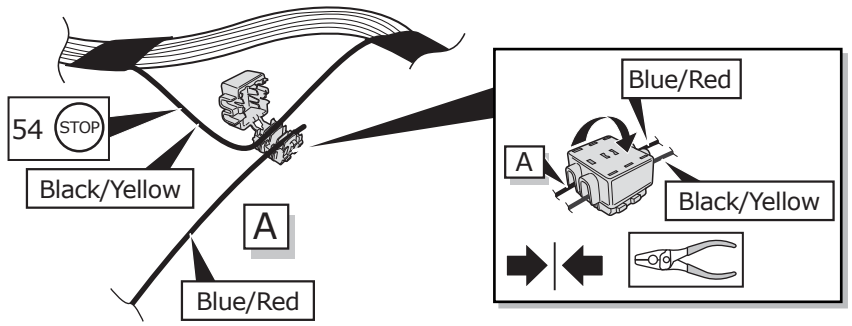


18

MINI F55/ F56 / SE



3



19

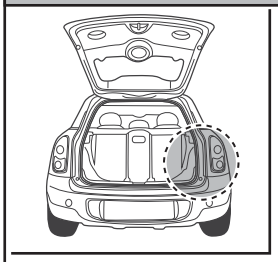
Right Connections UK Ltd
Unit 503 Queensway Business Park
TELFORD TF1 7UL UK

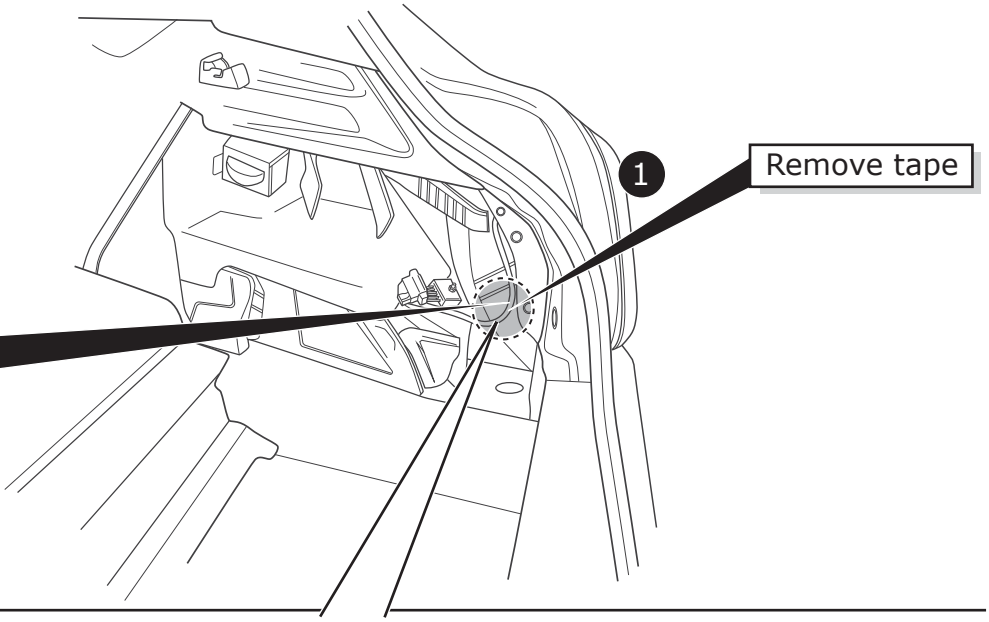
SALES: +44 (0)1952 608750 - Option 1
TECHNICAL: +44 (0)1952 608750 - Option 2

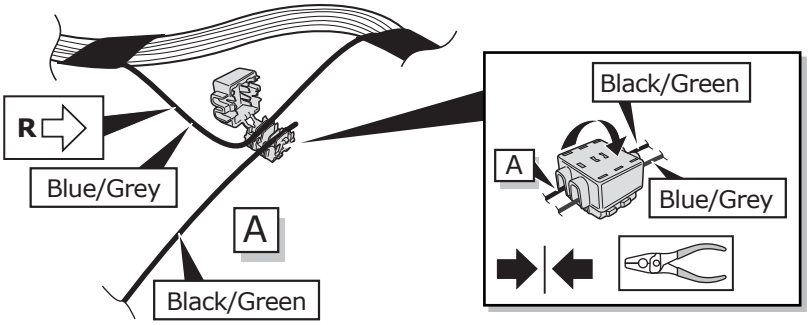
Web: www.rightconnections.co.uk
Email: Technical@rightconnect.co.uk

Revision: 7 / 07.02.2025
BW-027-07M

MINI F55 / F56 / SE

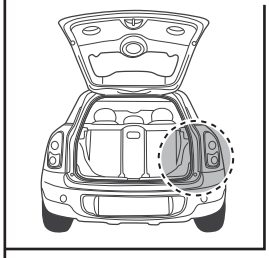


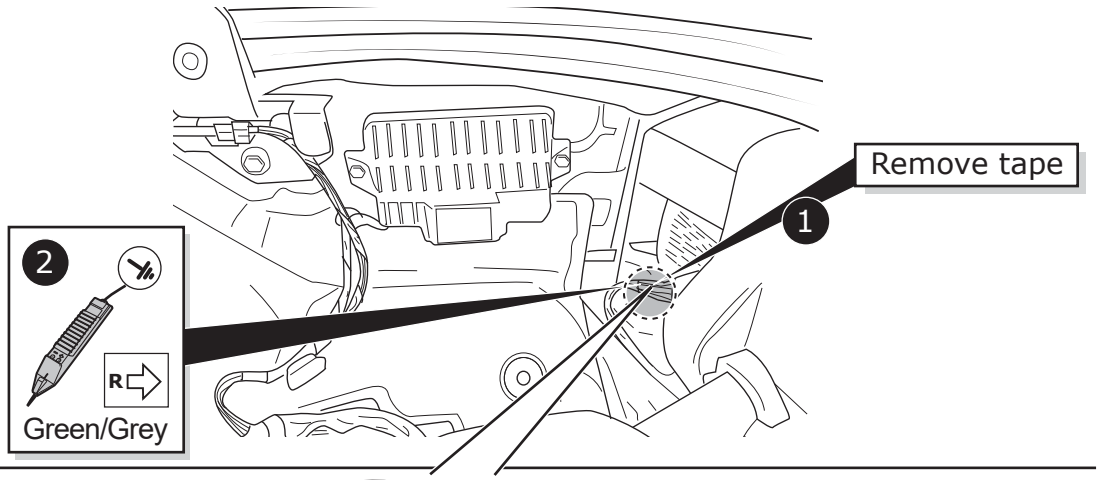


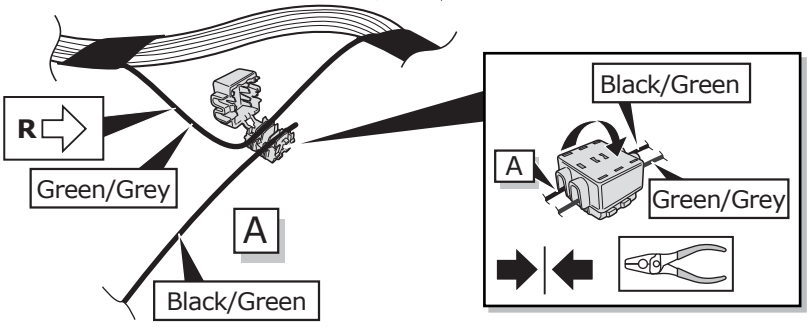


20

MINI F57







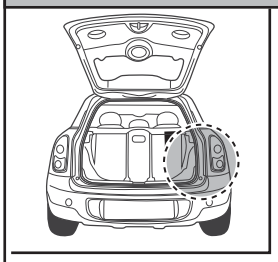
21

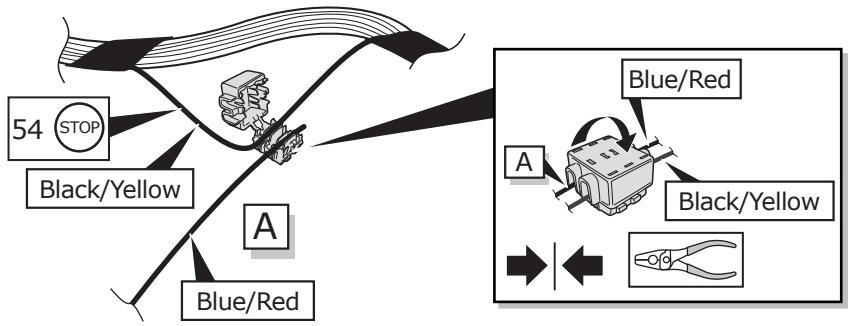
Right Connections UK Ltd
Unit 503 Queensway Business Park
TELFORD TF1 7UL UK

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

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

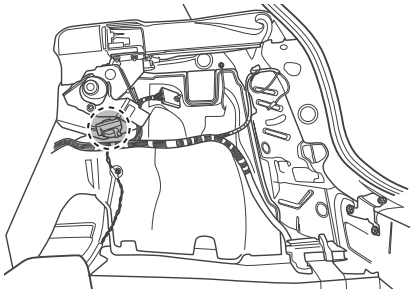
Revision: 7 / 07.02.2025
BW-027-07M



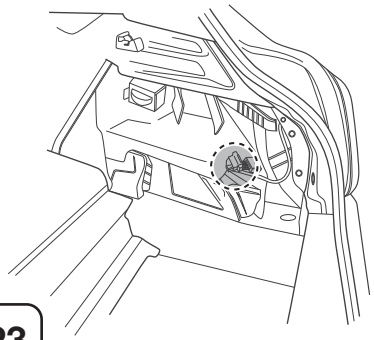


22

MINI F54 / F60

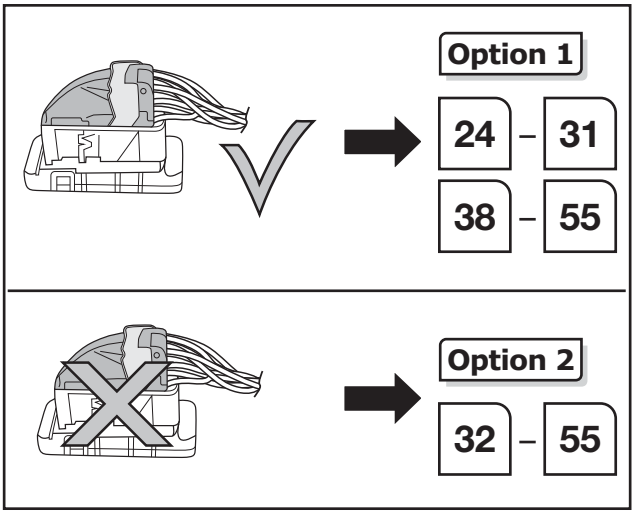


MINI F55 / F56 / F57 / SE



23

CAN-Data Wire Yellow / Red ⚠



⚠ Important!
Please note informations in picture 1!

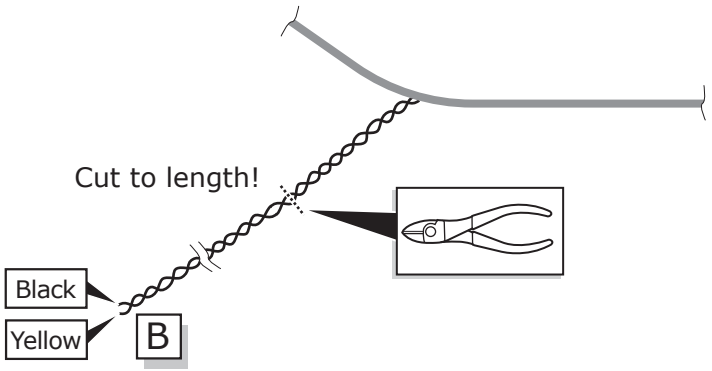
Right Connections UK Ltd
Unit 503 Queensway Business Park
TELFORD TF1 7UL UK

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

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

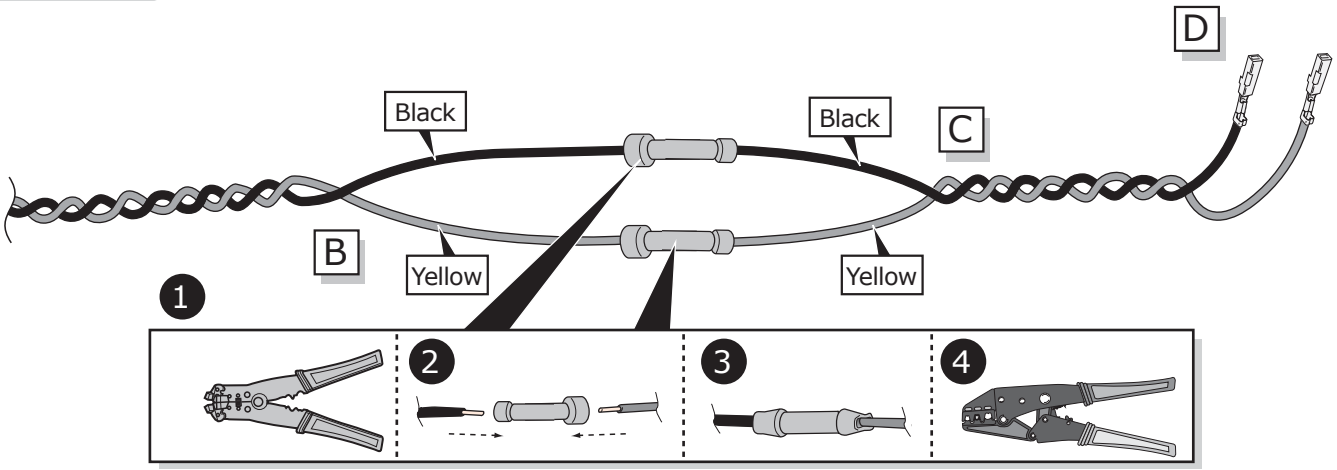
Revision: 7 / 07.02.2025
BW-027-07M

Option 1



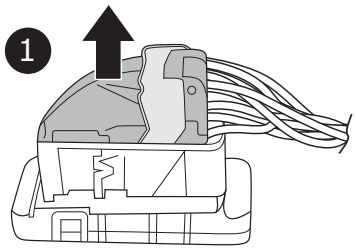
24

Option 1a

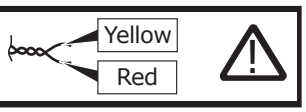


25

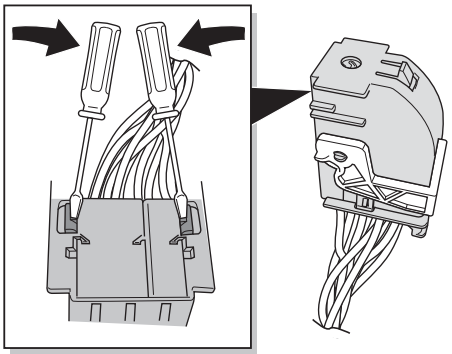
Option 1a

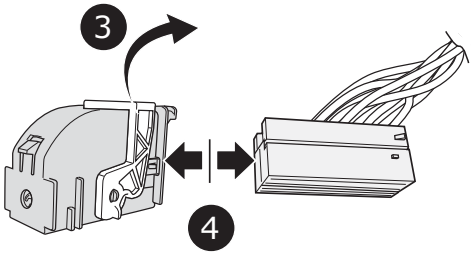


CAN-Data Wire



Important!
Please note informations in picture 1!





26

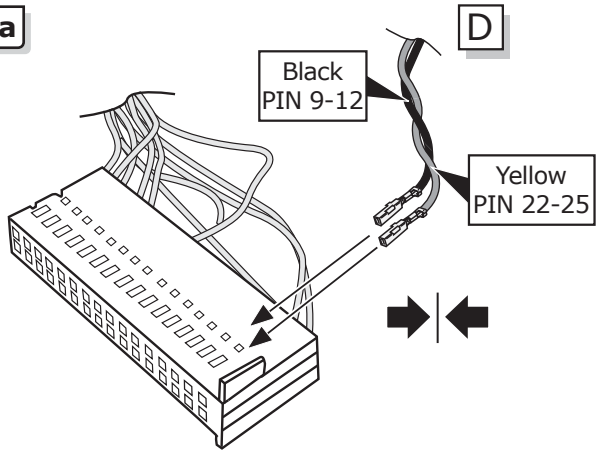
Right Connections UK Ltd
Unit 503 Queensway Business Park
TELFORD TF1 7UL UK

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

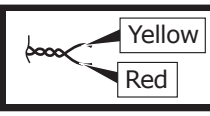
Web: www.rightconnections.co.uk
Email: Technical@rightconnect.co.uk

Revision: 7 / 07.02.2025
BW-027-07M

Option 1a



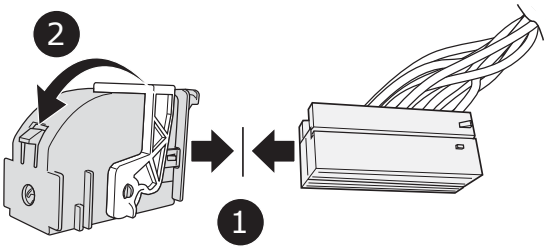
CAN-Data Wire

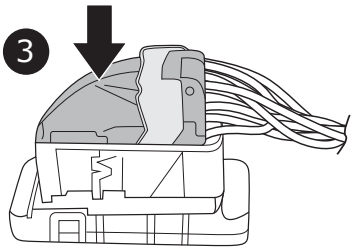


Important!
Please note informations in picture 1!

27

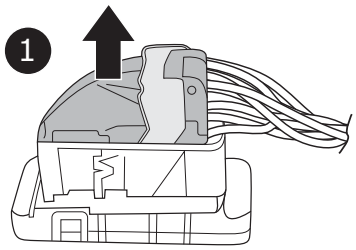
Option 1a





28

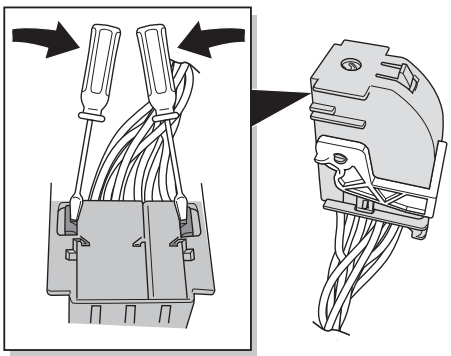
Option 1b

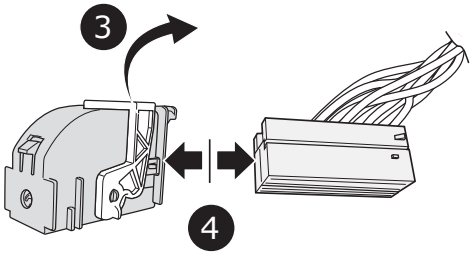


CAN-Data Wire



Important!
Please note informations in picture 1!





29

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

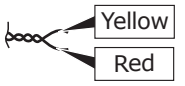
Web: www.rightconnections.co.uk
Email: Technical@rightconnect.co.uk

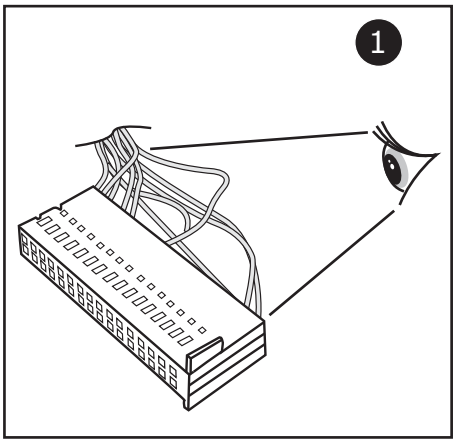
Revision: 7 / 07.02.2025
BW-027-07M

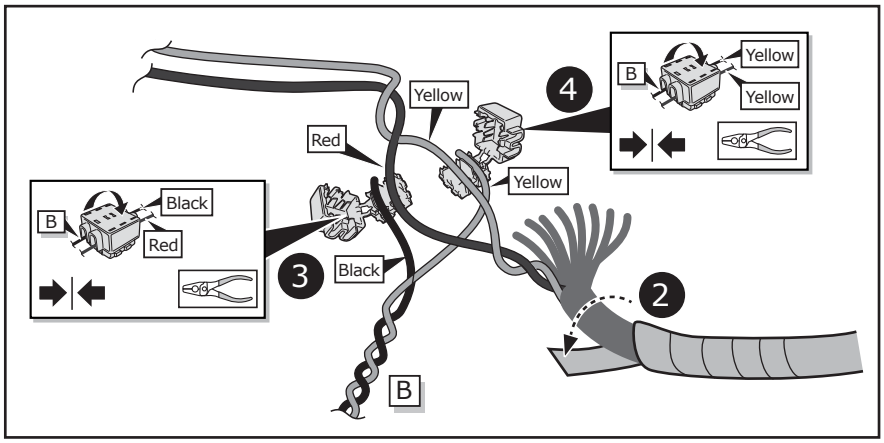
Option 1b

Important!
Please note informations in picture 1!

CAN-Data Wire

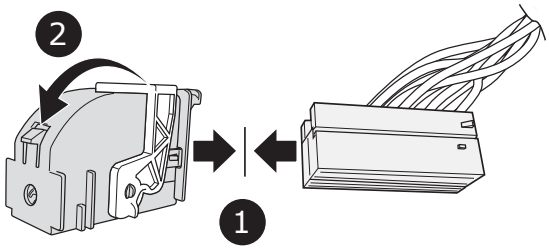


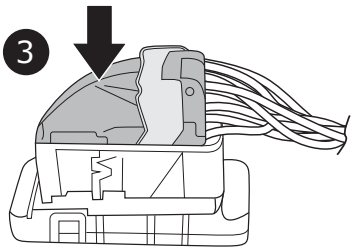




30

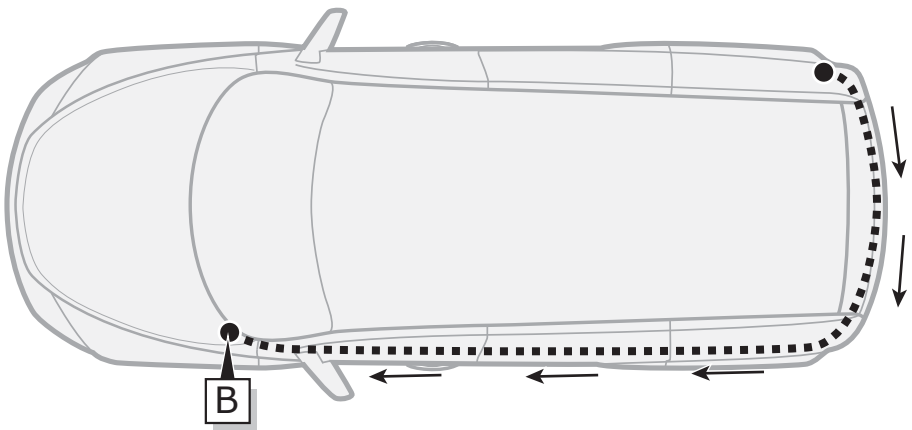
Option 1b





31

Option 2



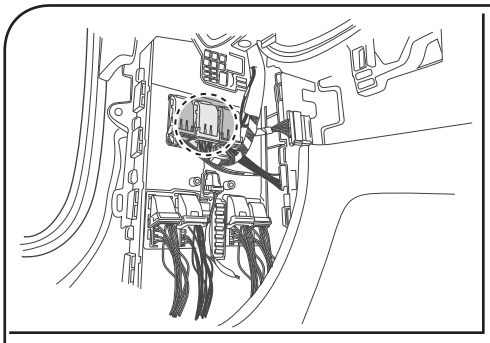
32

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

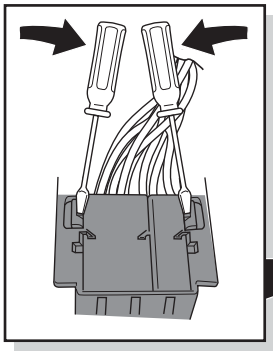
Web: www.rightconnections.co.uk
Email: Technical@rightconnect.co.uk

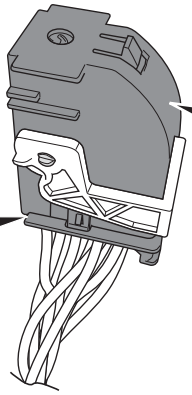
Revision: 7 / 07.02.2025
BW-027-07M



Option 2

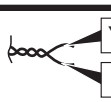
1





Black
54-pin

CAN-Data Wire

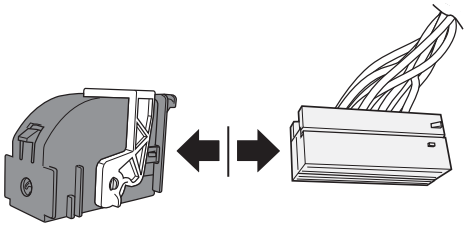


Yellow = Pos.49

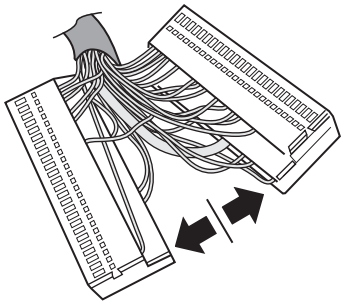
Red = Pos.50

Important!
Please note informations in picture 1!

2

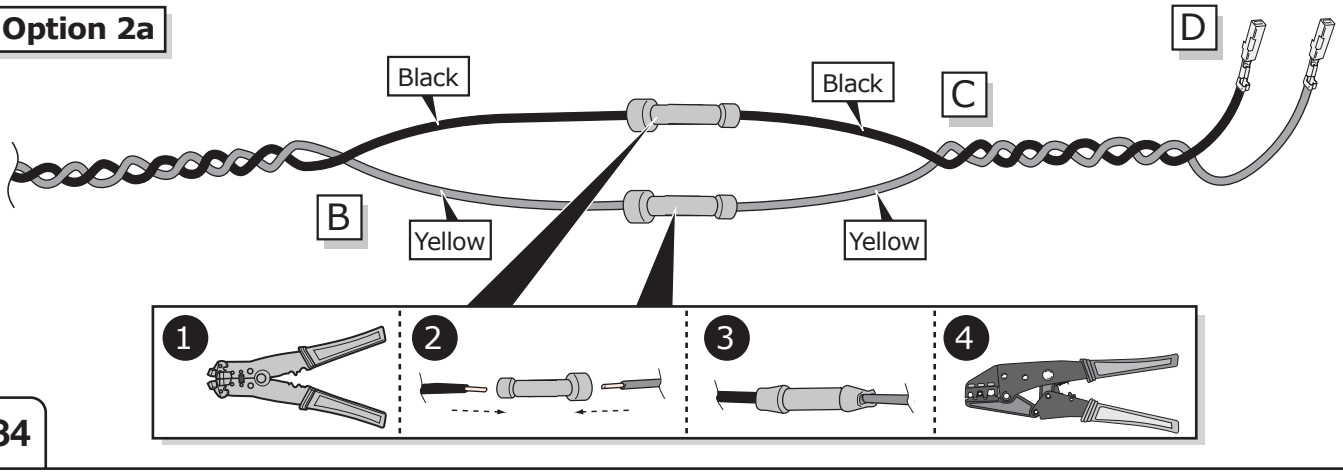


3



33

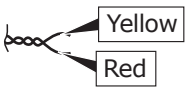
Option 2a



34

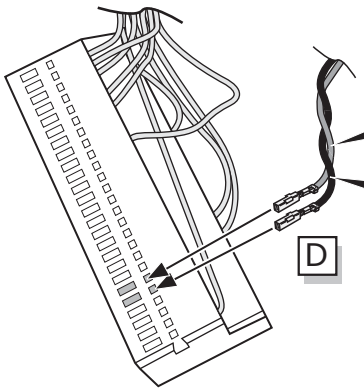
Option 2a

CAN-Data Wire



Yellow

Red



Important!
Please note informations
in picture 1!

35

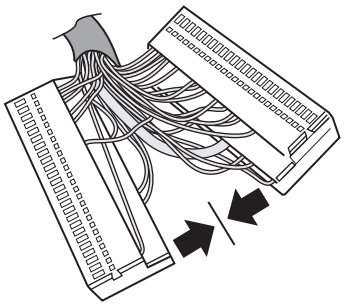
Right Connections UK Ltd
Unit 503 Queensway Business Park
TELFORD TF1 7UL UK

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

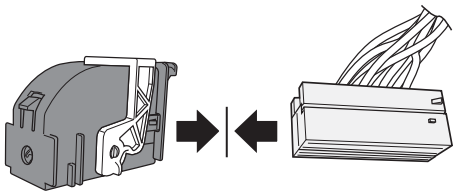
Web: www.rightconnections.co.uk
Email: Technical@rightconnect.co.uk

Revision: 7 / 07.02.2025
BW-027-07M

Option 2a

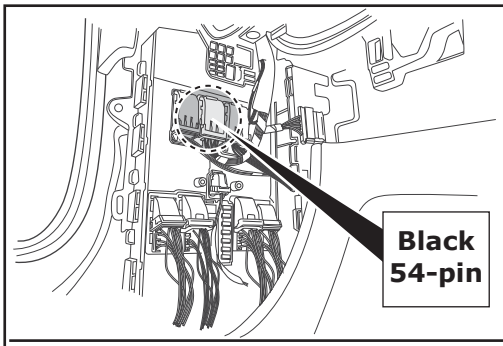


1

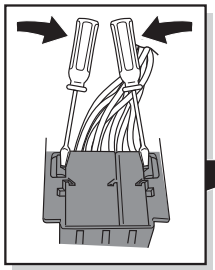


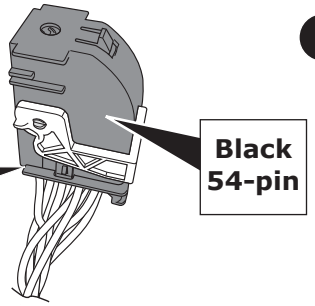
2

36



Option 2b





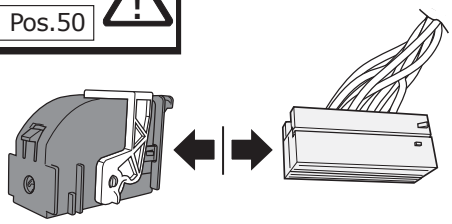
1

CAN-Data Wire

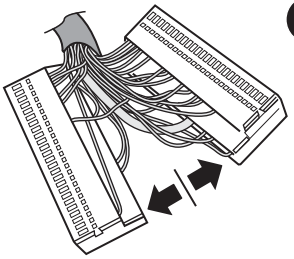
Yellow = Pos.49

Red = Pos.50

Important!
Please note informations
in picture 1!

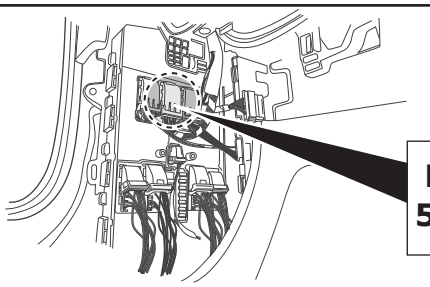


3



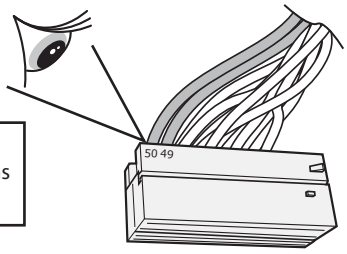
3

37



Option 2b

Important!
Please note informations
in picture 1!

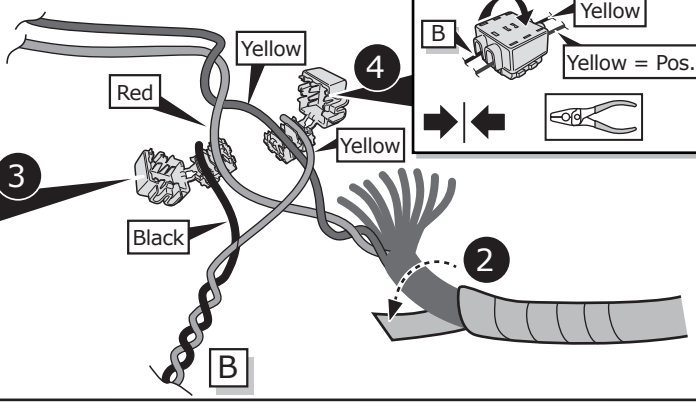


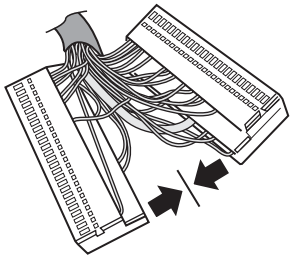
1

CAN-Data Wire

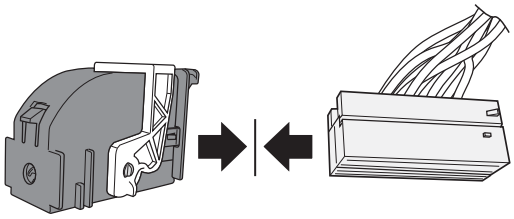
Yellow = Pos.49

Red = Pos.50





5



6

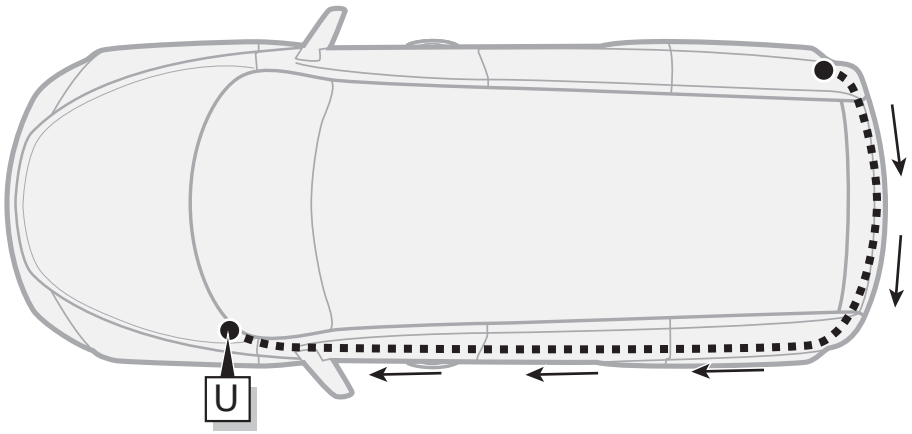
38

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

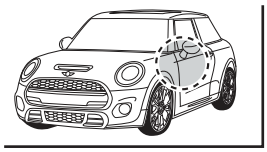
SALES: +44 (0)1952 608750 - Option 1
TECHNICAL: +44 (0)1952 608750 - Option 2

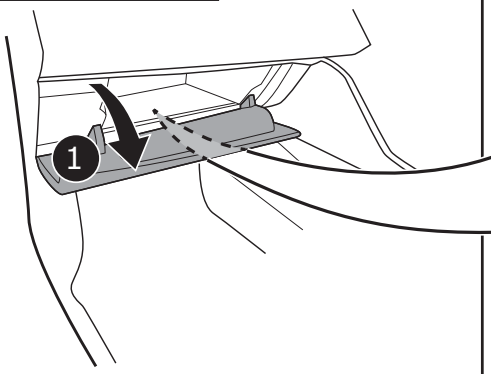
Web: www.rightconnections.co.uk
Email: Technical@rightconnect.co.uk

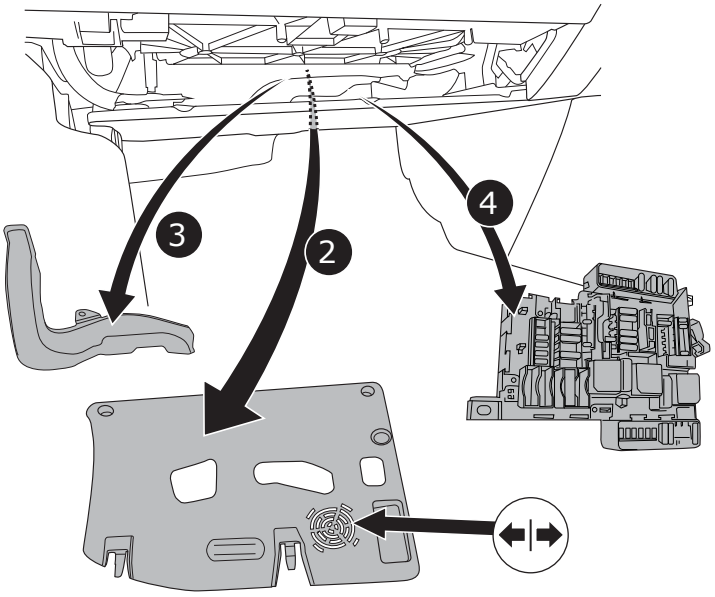
Revision: 7 / 07.02.2025
BW-027-07M



39

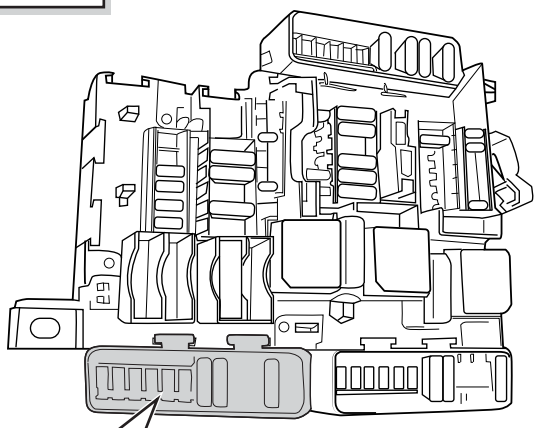


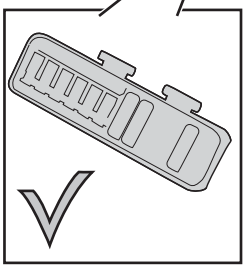




40

Option 1



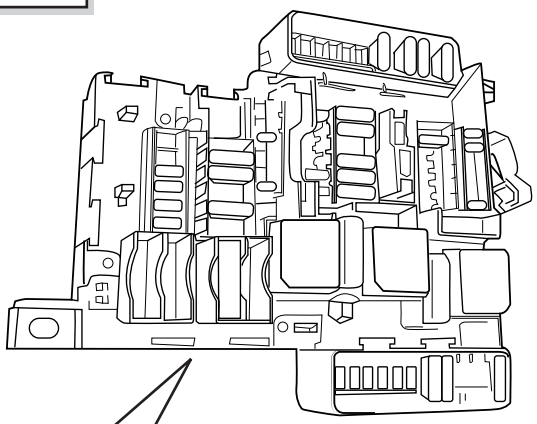


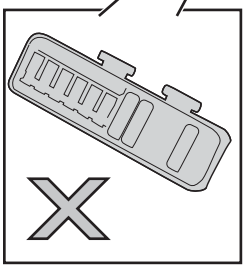


42

46 – 55

Option 2







43 – 55

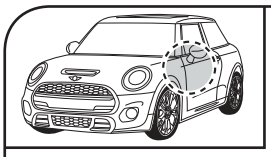
41

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

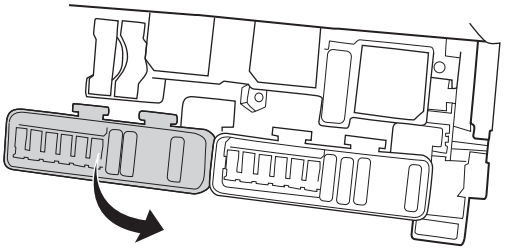
Web: www.rightconnections.co.uk
Email: Technical@rightconnect.co.uk

Revision: 7 / 07.02.2025
BW-027-07M

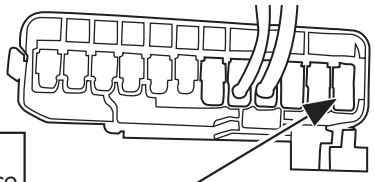


Option 1

1

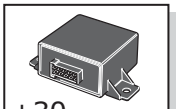


2



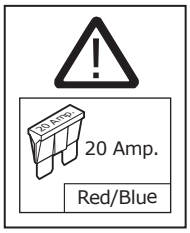
Red/Blue
Choose a free space
Chamber 103-108

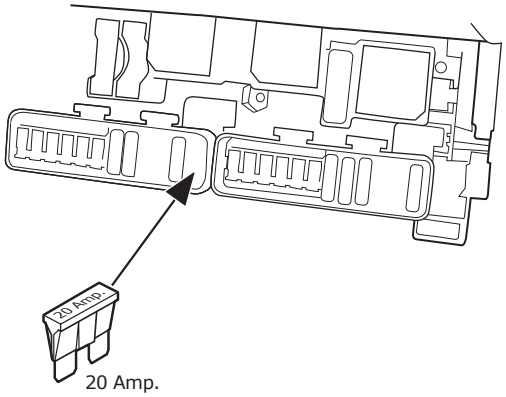
U



+30

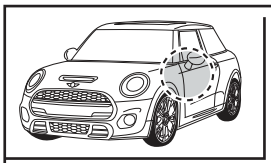
3



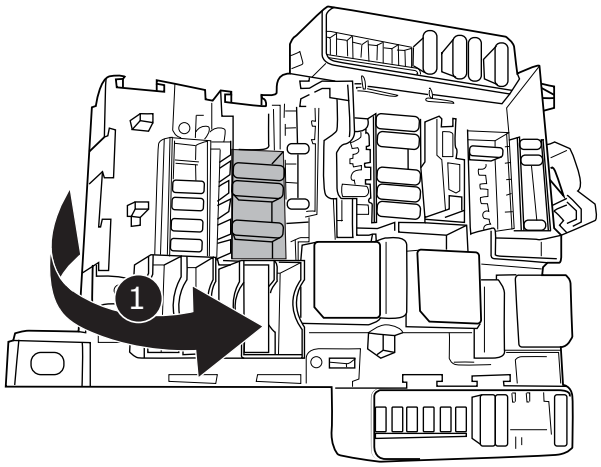


20 Amp.

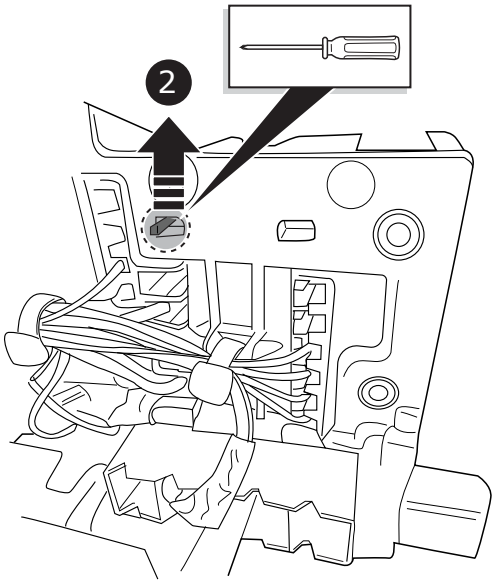
42



Option 2



Disengage secondary lock



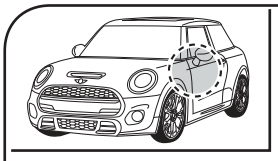
43

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

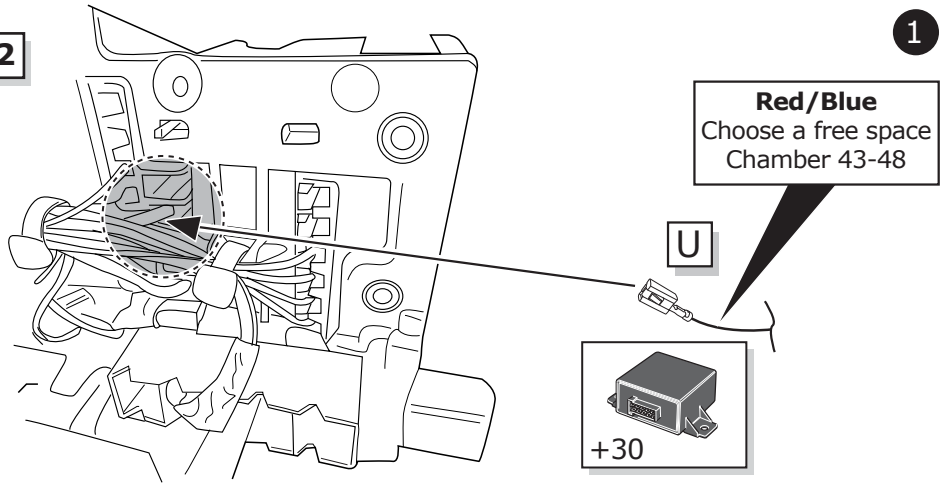
Web: www.rightconnections.co.uk
Email: Technical@rightconnect.co.uk

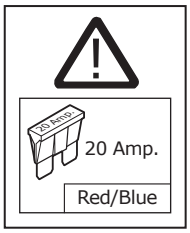
Revision: 7 / 07.02.2025
BW-027-07M



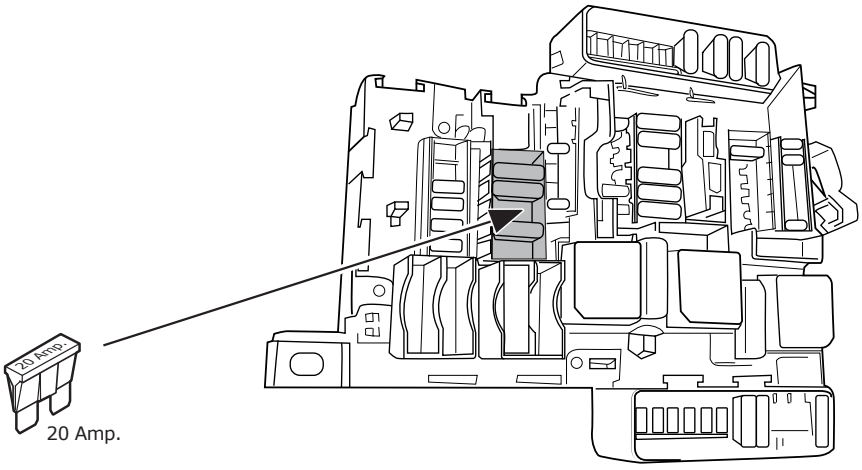
Option 2

1



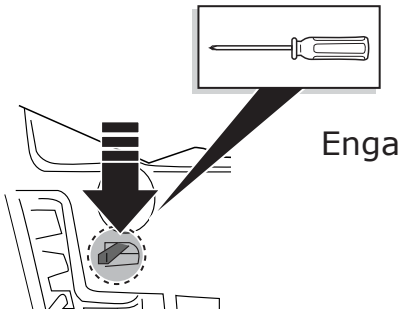


2



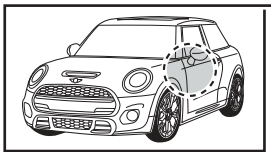
44

Option 2

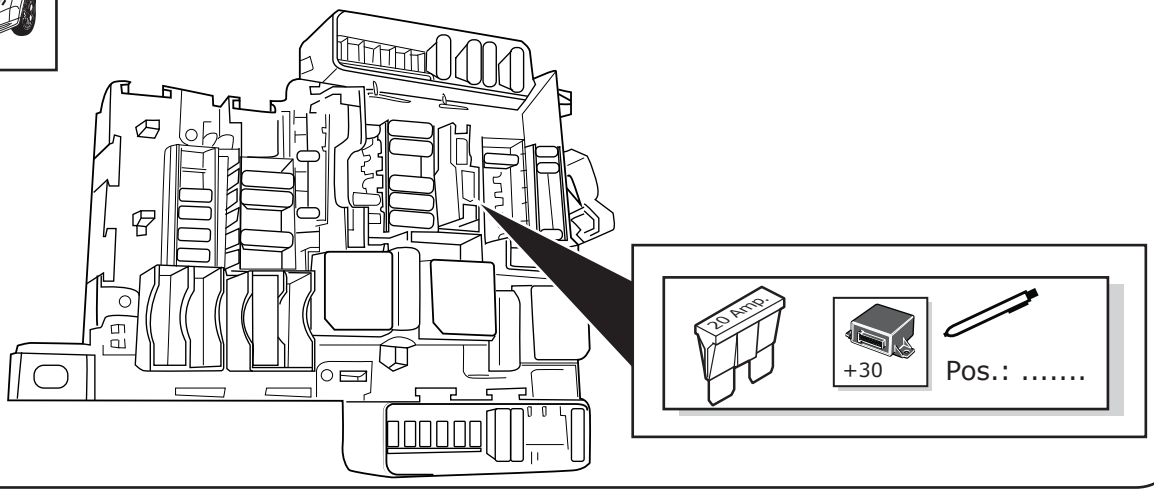


Engage secondary lock

45



Please note the new fuse position !!



46

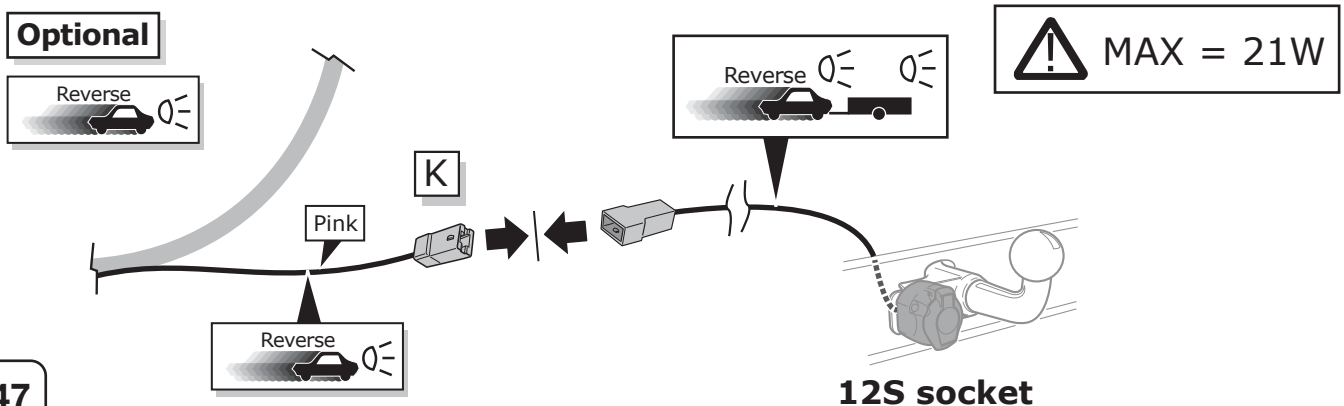
Right Connections UK Ltd
Unit 503 Queensway Business Park
TELFORD TF1 7UL UK

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

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

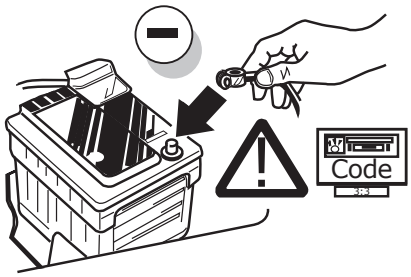
Revision: 7 / 07.02.2025
BW-027-07M

Optional



47

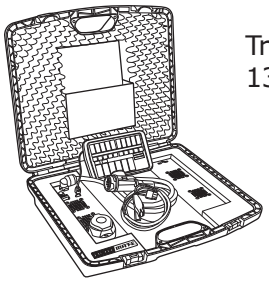
12S socket



48

Optional

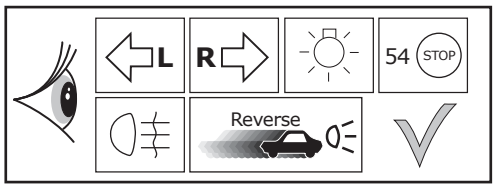
Right Connections
towbar wiring kits for the uk

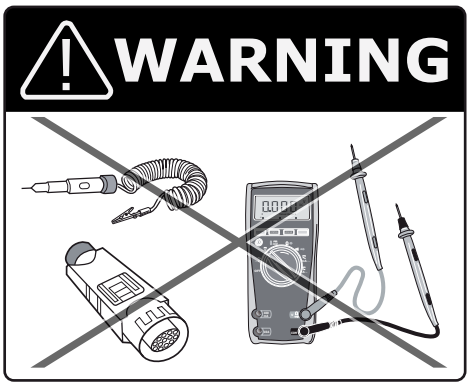


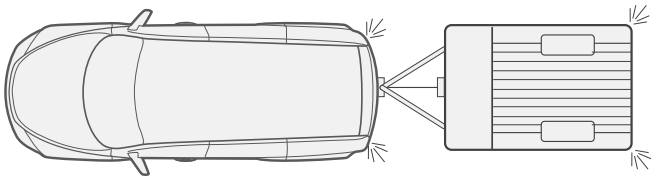
Trailer Simulator for 7- and 13-pin Sockets

49

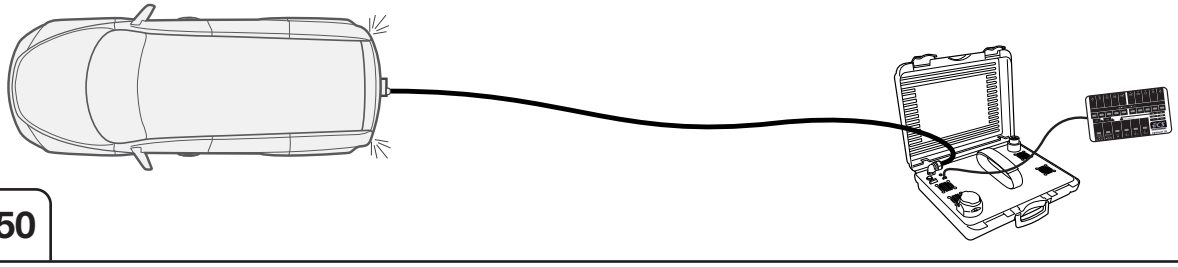
Functional test







LIGHTMATE



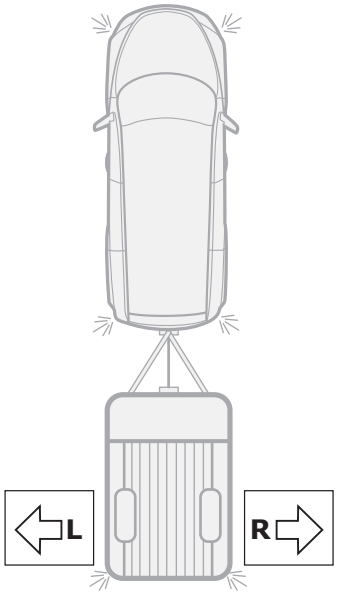
50

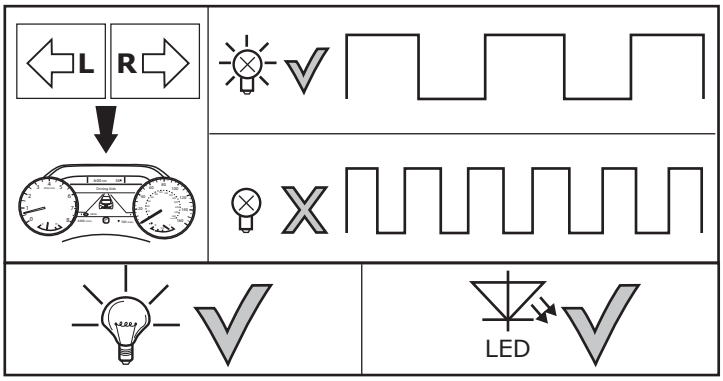
Right Connections UK Ltd
Unit 503 Queensway Business Park
TELFORD TF1 7UL UK

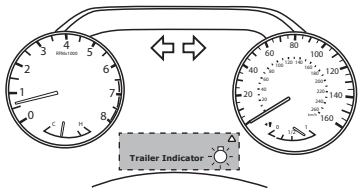
SALES: +44 (0)1952 608750 - Option 1
TECHNICAL: +44 (0)1952 608750 - Option 2

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

Revision: 7 / 07.02.2025
BW-027-07M

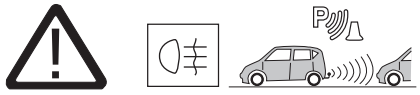


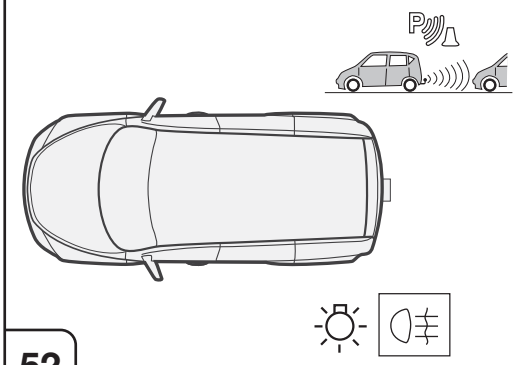


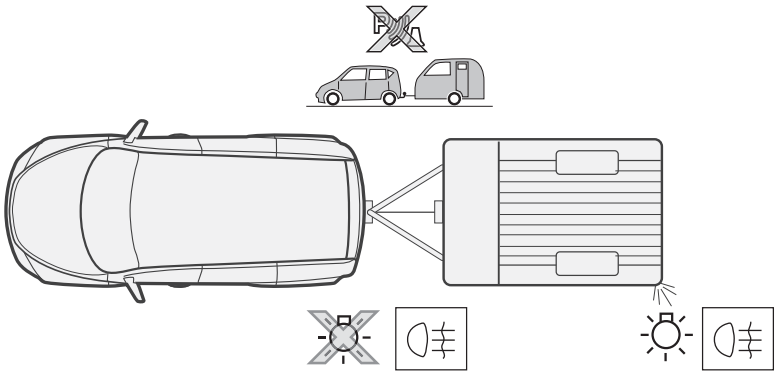


Trailer Indicator

51



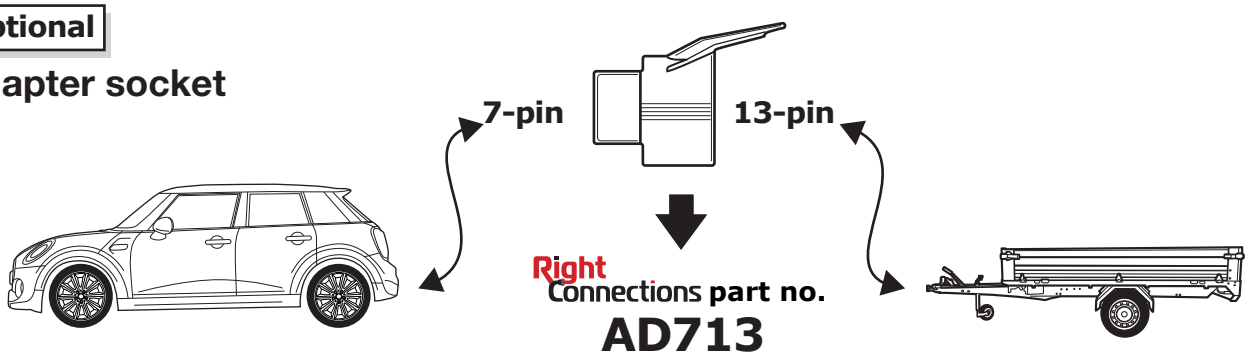




52

Optional

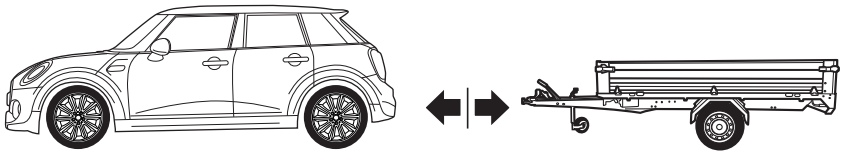
Adapter socket

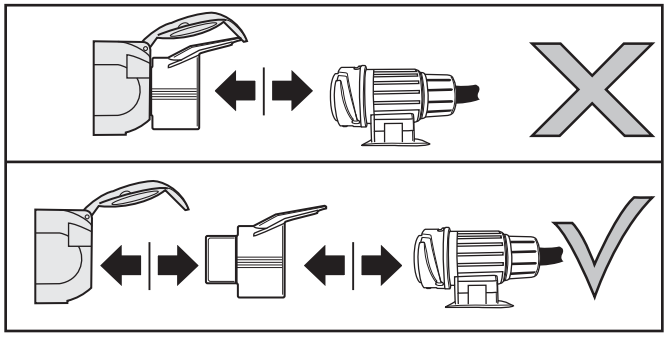


Right Connections part no.

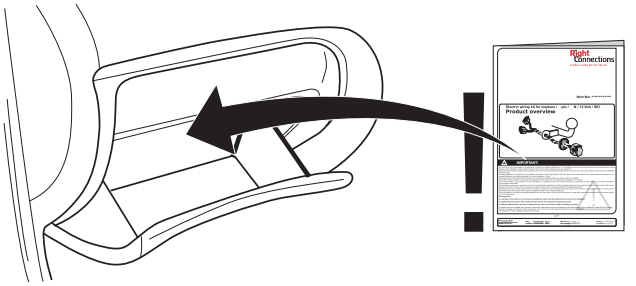
AD713

53





54



55

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: 7 / 07.02.2025
BW-027-07M