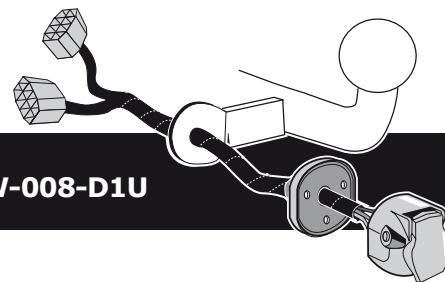




- **BMW 1 Series E81, E82, E87, E88**
- **BMW 1 Series F20, F21 (without PDC cut off function)**
- **BMW 3 Series E90, E91, E92, E93**
- **BMW 3 Series F30, F31, F34 (without PDC cut off function)**
- **BMW 5 Series E60, E61, F07, F10, F11** (for RHD see next page)
- **BMW 7 Series E65, E66, F01, F02**
- **BMW X1 Series E84**
- **BMW X3 Series F25 (without PDC cut off function)**
- **BMW X5 Series E70**
- **BMW X6 Series E71**

This kit doesn't cut off Park Assist , if applicable



Partnr.: BW-008-D1U

- Fitting instructions electric wiring kit tow bar with 13-P socket up to DIN/ISO Norm 11446.
- We would expressly point out that assembly not carried out properly by a competent installer will result in cancellation of any right to damage compensation, in particular those arising by virtue of the product liability act.
- Contents of these kits and their fitting manuals are subject to alteration without notice, please ensure that these instructions are read and fully understood before commencing installation.
- Do not overload circuits; the maximum loads per connection are detailed in this manual.
- Attention! Before Installation, please read this manual carefully and inform your customer to consult the vehicle owners manual to check for any vehicle modifications required before towing.
- In the event of functional problems, troubleshooting must be limited to about 0.5 hours, contact the technical support:  
[ukts@ecs-electronics.com](mailto:ukts@ecs-electronics.com)



# Right Hand Drive (RHD)

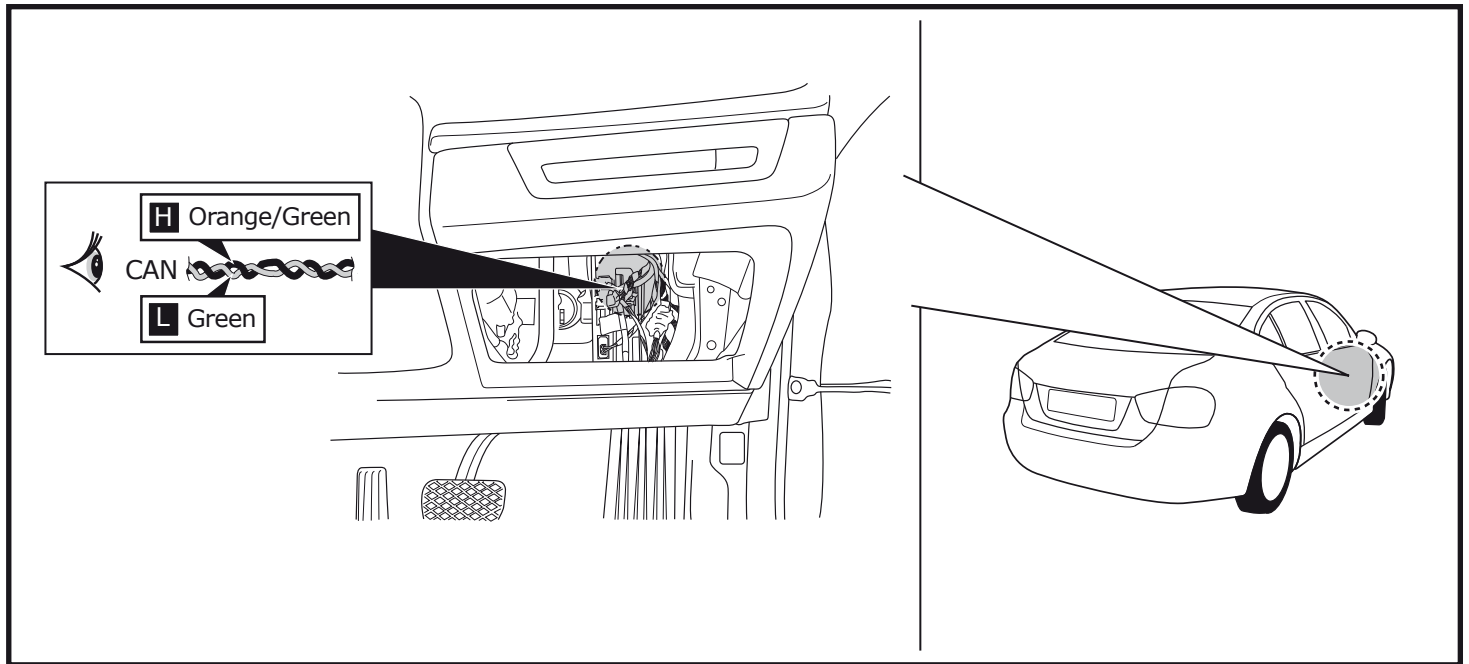
## Installation Supplement Instructions

Updated: 06/06/2013

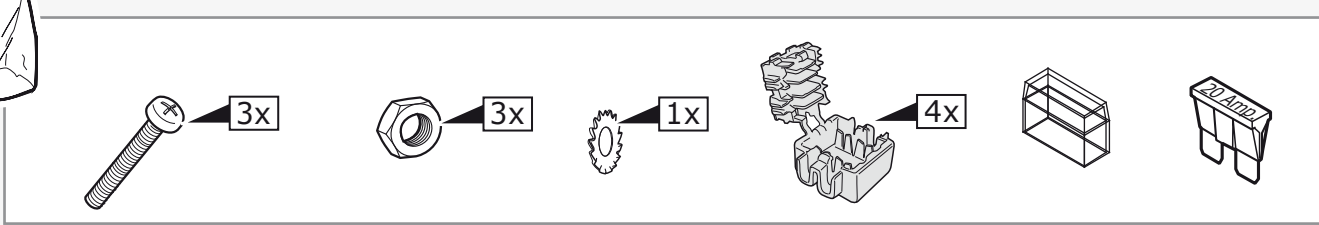
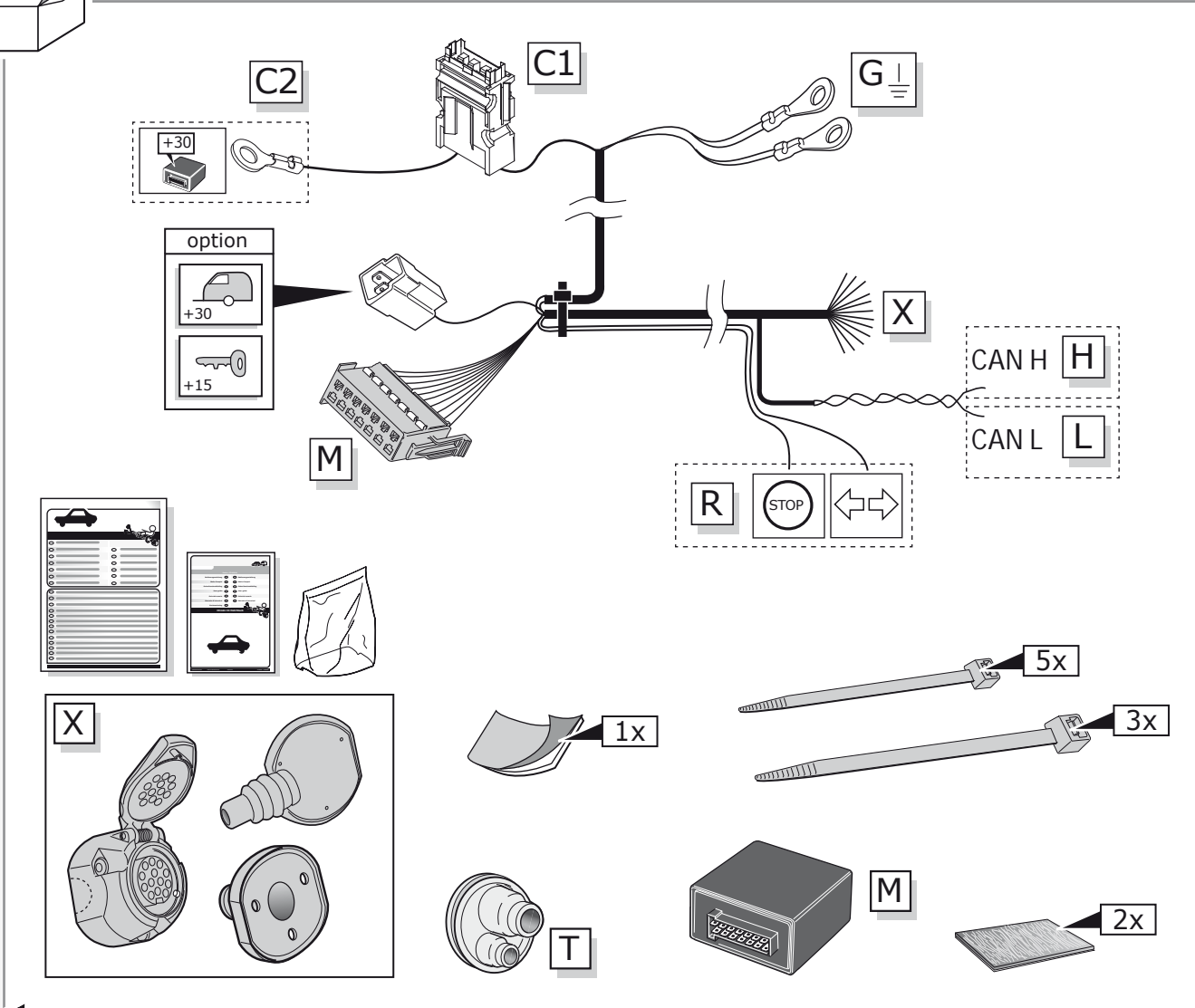
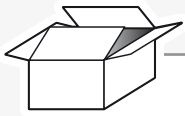
For RHD installation instruction please note the following:

For the BMW 5 (F10 and F11) series connect the CANbus on the off-side (Driver's side) of the dashboard.

Note: There are CAN wires on the passenger side behind the glove box but these do not carry the towbar roadlighting signals.



# Part list



FIRST INQUIRE AT THE DEALER IF AN EXPANSION SET FOR A TOWING HOOK PLUS HEAT INSULATION (IN CONNECTION WITH COOLING) APPLIES TO YOUR VEHICLE.

**BMW 5 Series F10, F11  
BMW 7 Series F01, F02**



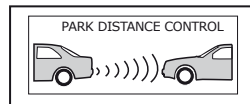
**Pag. 5**

**BMW X3 Series F25**



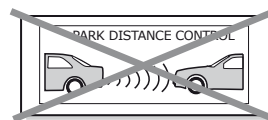
**Pag. 8**

**BMW 1 Series E81, E82, E87, E88  
BMW 3 Series E90, E91, E92, E93  
BMW 5 Series E60, E61, F07  
BMW 7 Series E65, E66  
BMW X1 Series E84  
BMW X5 Series E70  
BMW X6 Series E71**



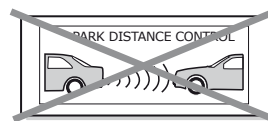
**Pag. 11**

**BMW 5 Series E60, E61, F07  
BMW 7 Series E65, E66  
BMW X1 Series E84  
BMW X5 Series E70  
BMW X6 Series E71**



**Pag. 14**

**BMW 1 Series E81, E82, E87, E88  
BMW 3 Series E90, E91, E92, E93**



**Pag. 17**

**BMW 1 Series F20, F21**



**Pag. 20**

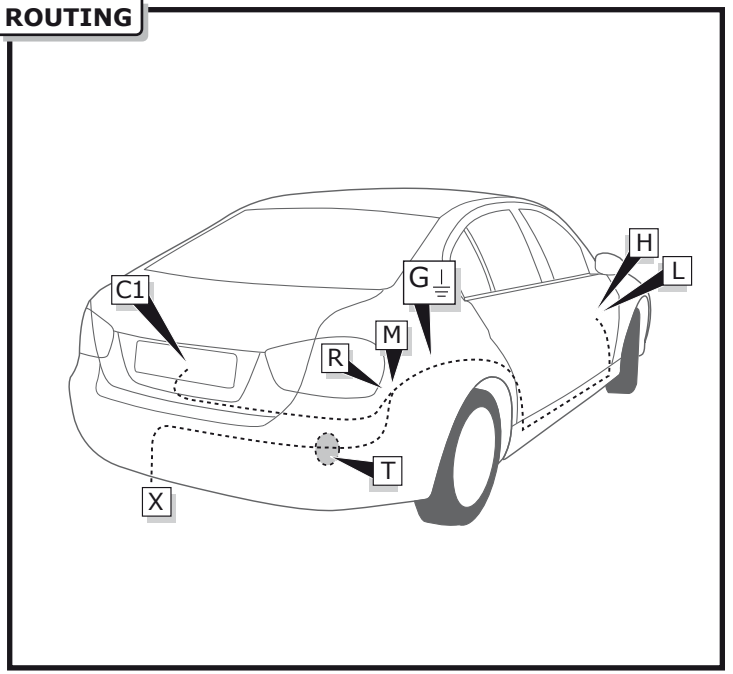
**BMW 3 Series F30, F31, F34**



**Pag. 23**

# ROUTING

**BMW 5 Series F10, F11**  
**BMW 7 Series F01, F02**



**1**

	54 STOP	
R		

**2**

A diagram showing the trunk of a car. A hand is using a key to unlock a component. A minus sign icon is shown above the hand. A warning triangle is shown below the hand. A label 'Code' with '3:3' below it is shown to the right.

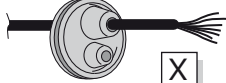
**3**

A diagram showing the removal of the rear trunk liner from a car. Arrows indicate the removal of the liner from the trunk and the resulting pieces.

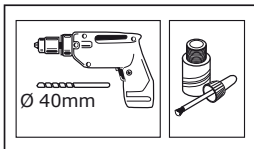
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INFO

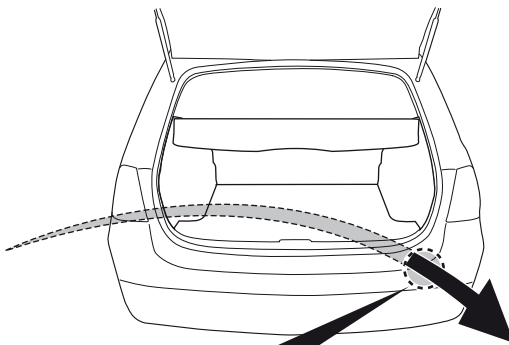
X



2



1



INFO

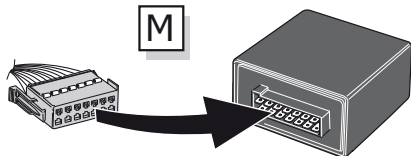
SOCKET CONNECTION



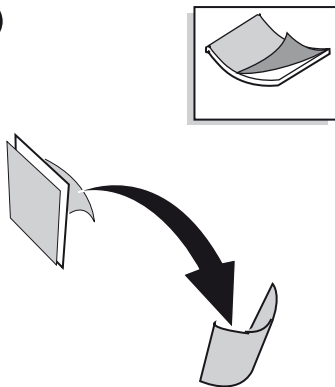
Pag. 28

5

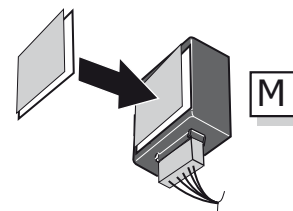
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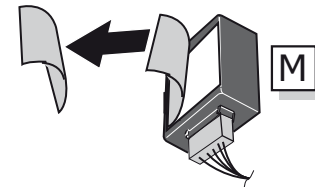
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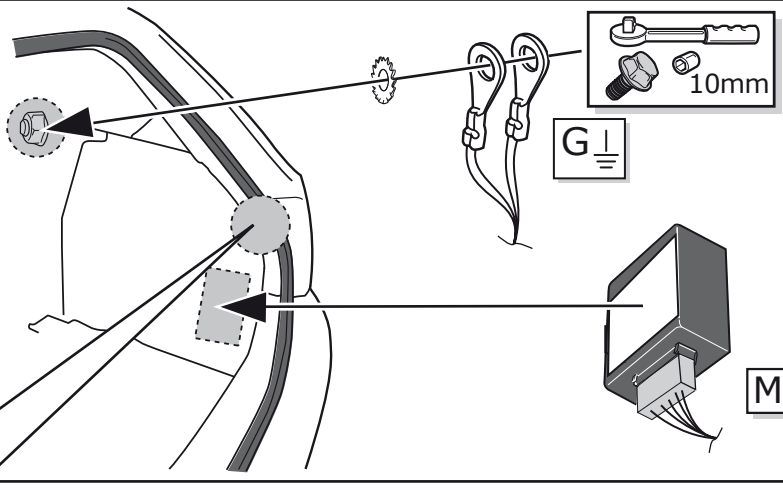
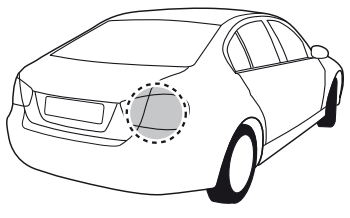
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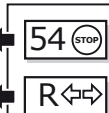
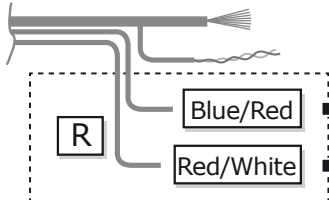
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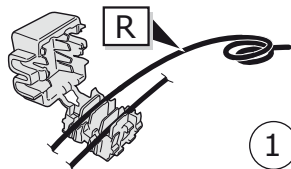
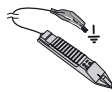
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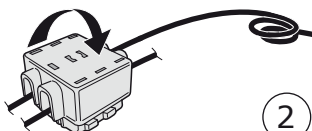
INFO



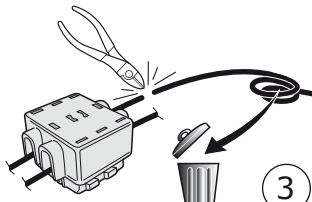
Pag. 5



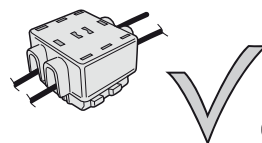
1



2

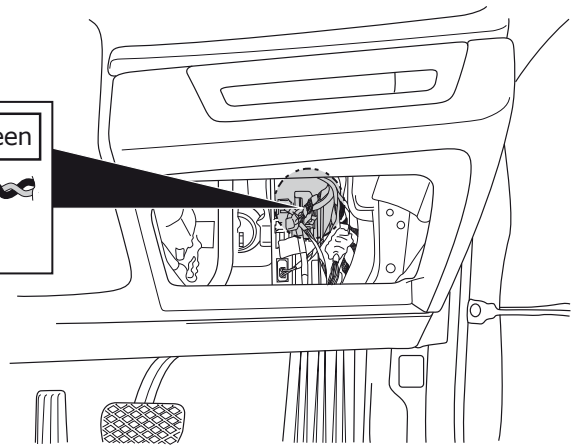
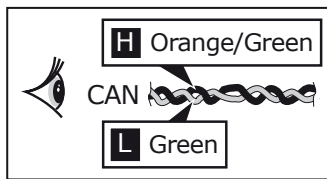
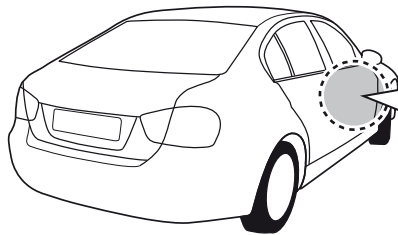


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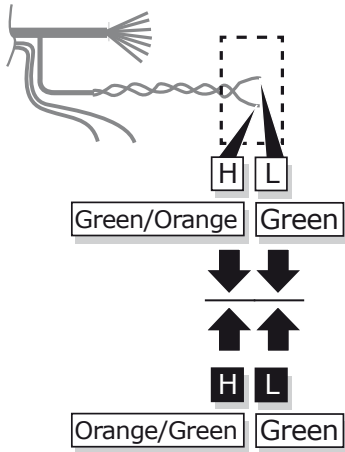


4

7



8



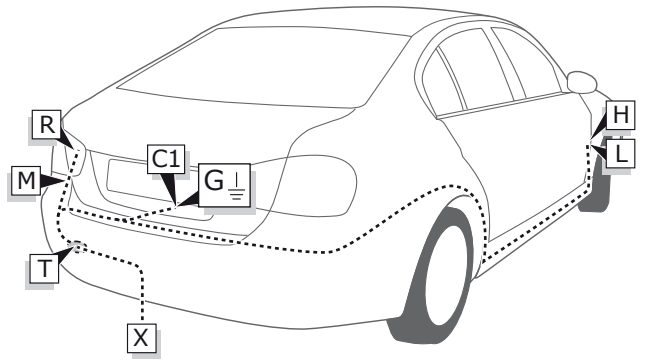
<p><b>INFO</b></p>		

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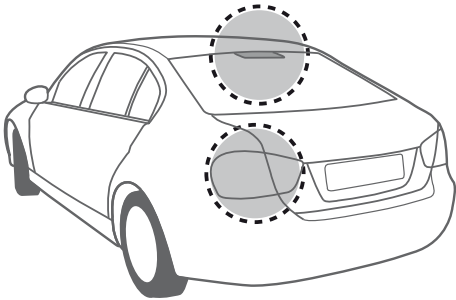
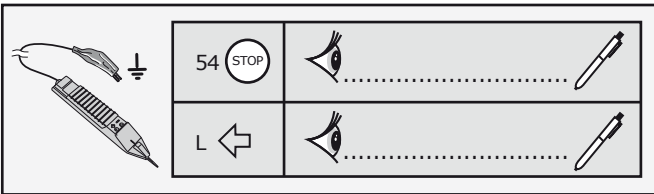


# BMW X3 Series F25

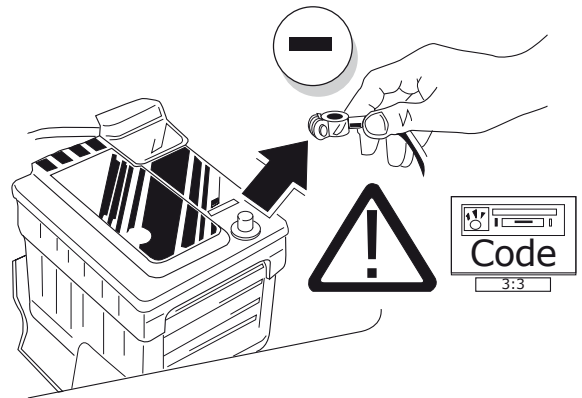
## ROUTING



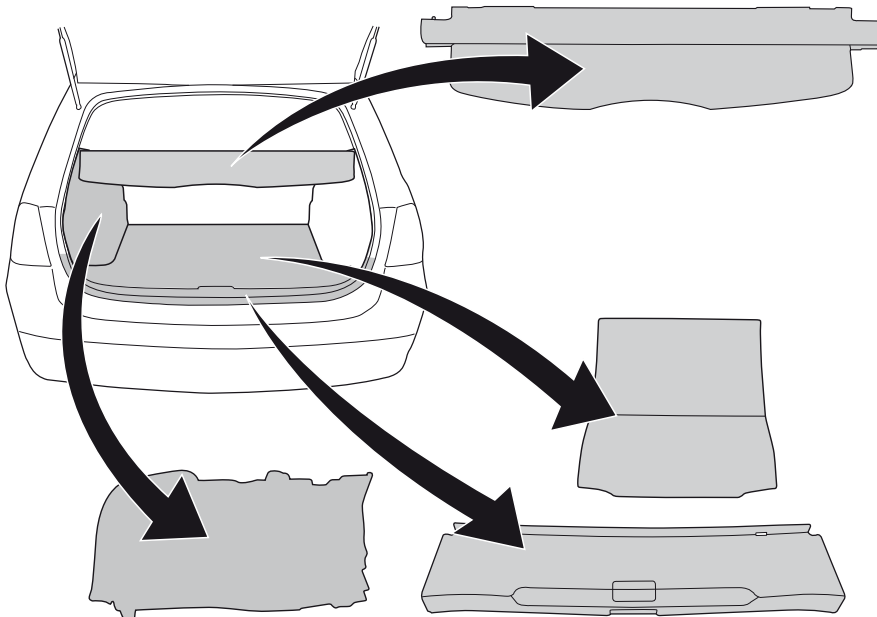
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11

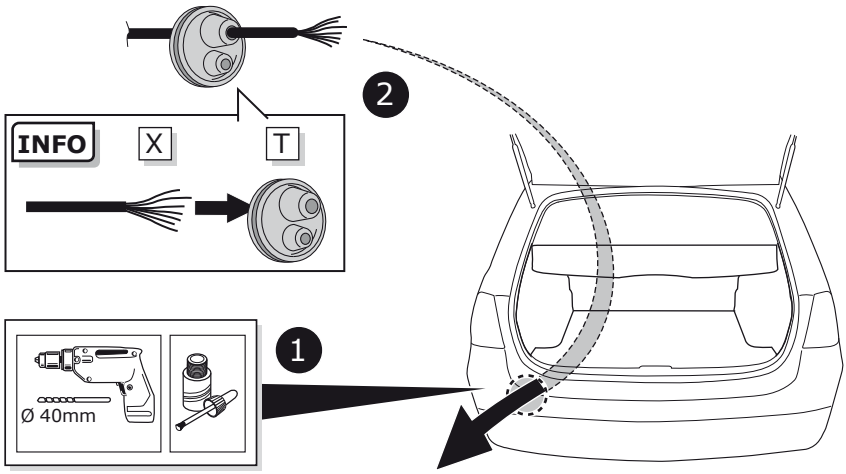


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13



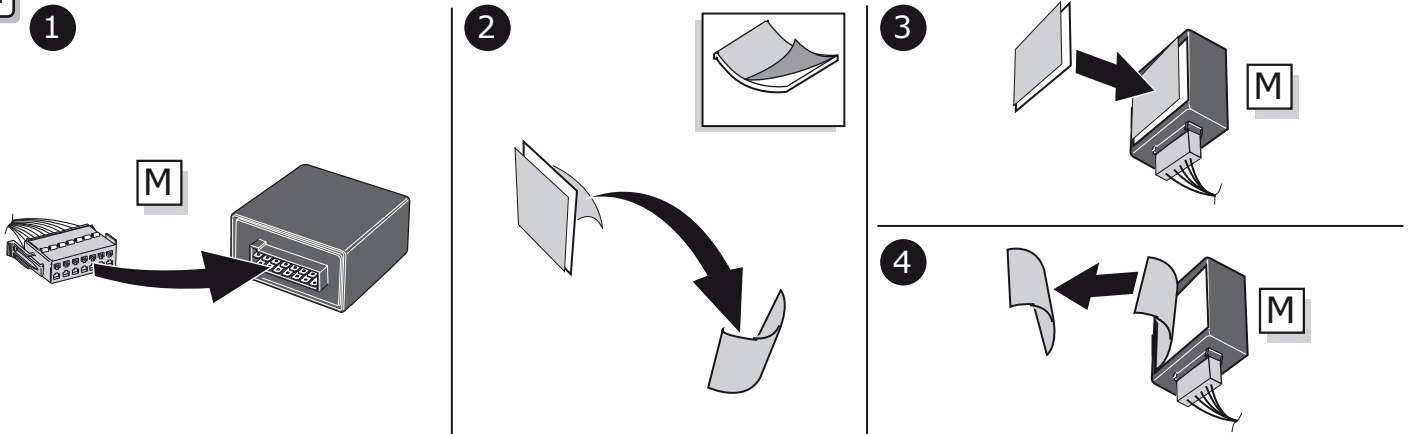
INFO

### SOCKET CONNECTION

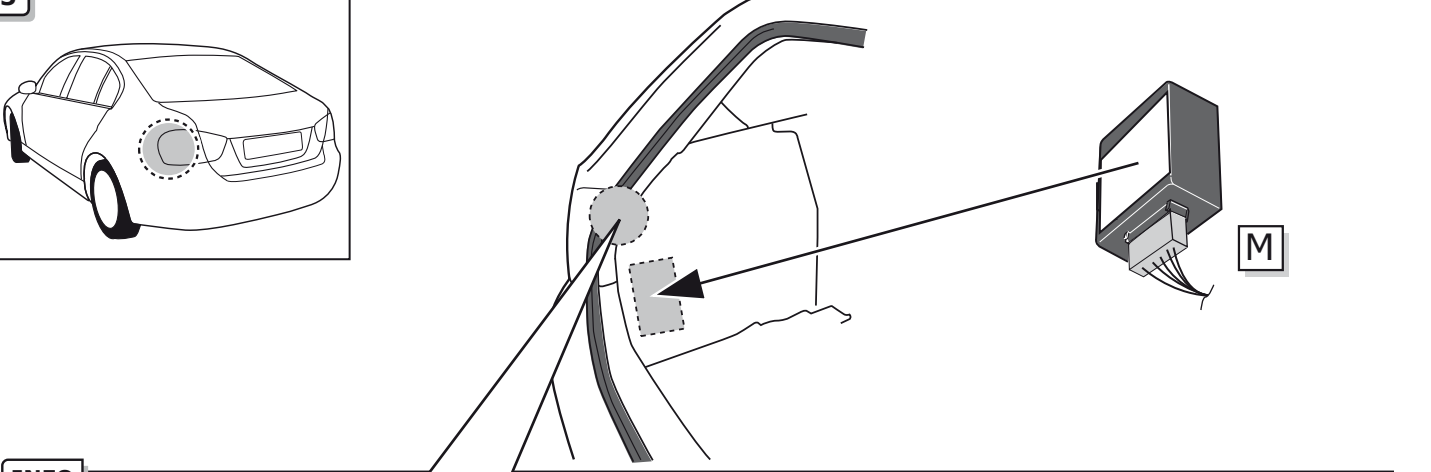


Pag. 28

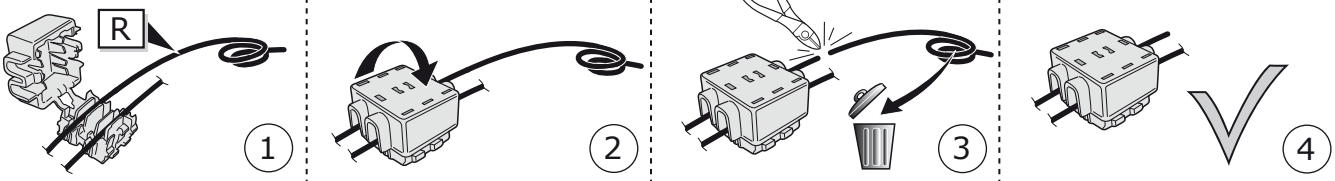
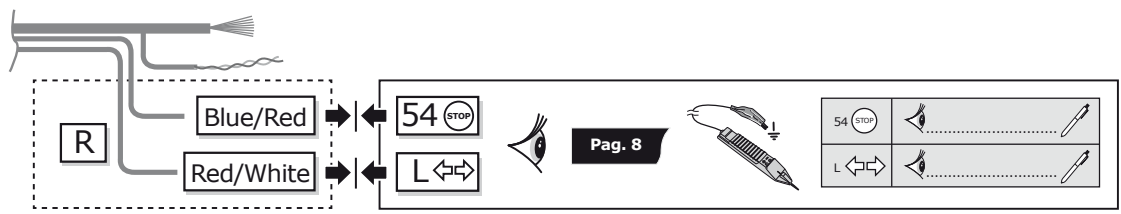
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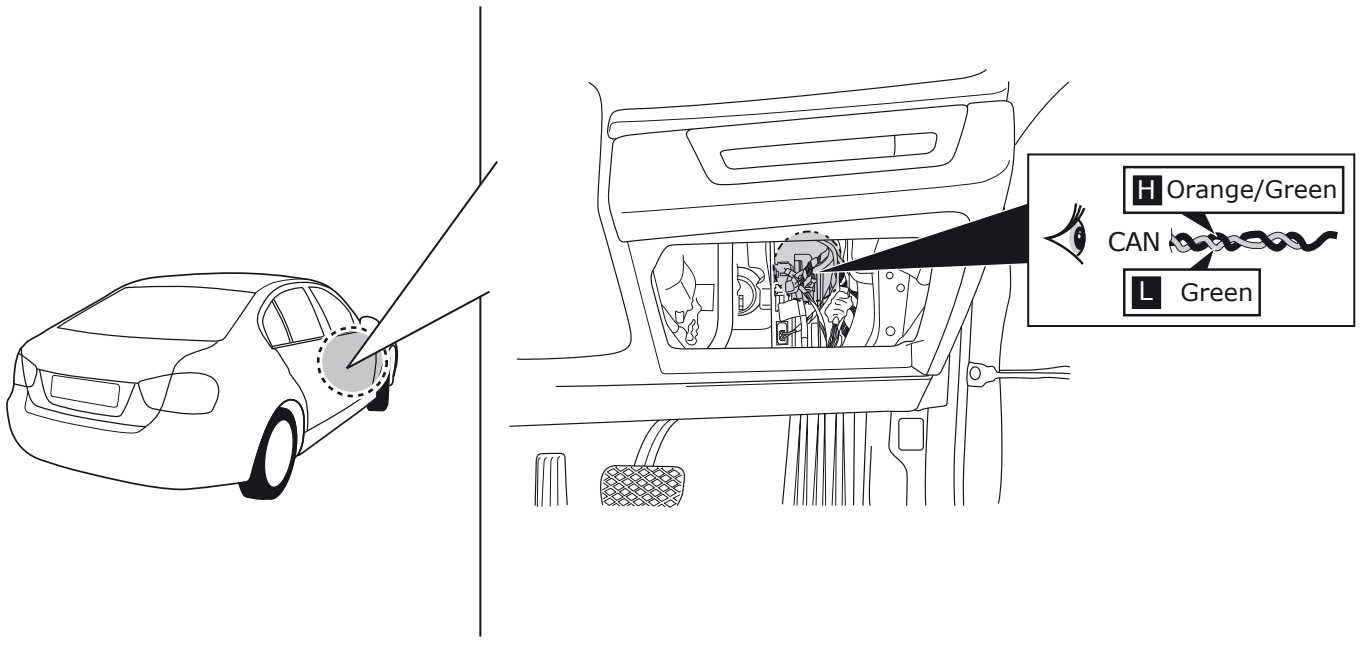
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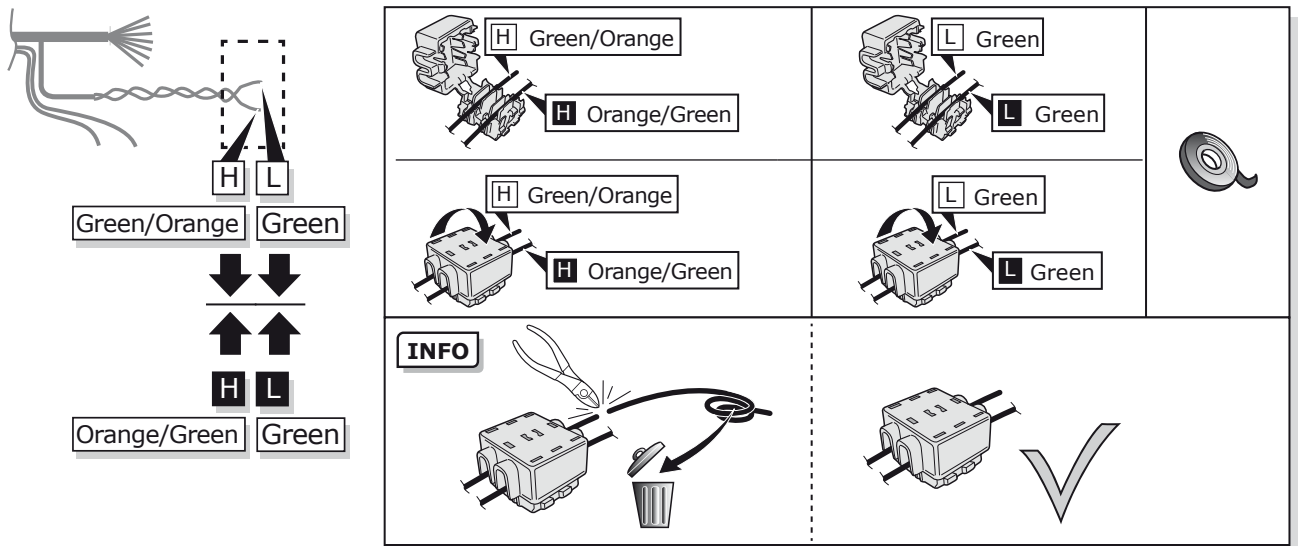
INFO



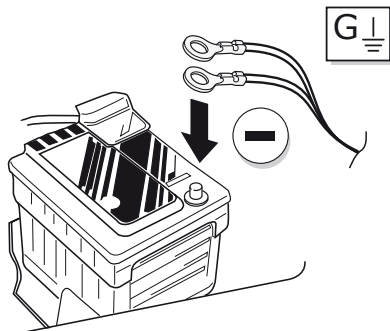
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17



18

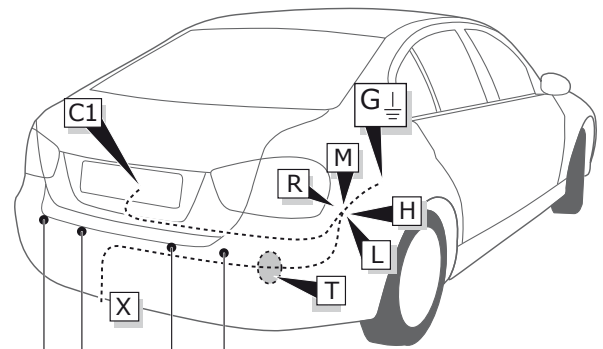


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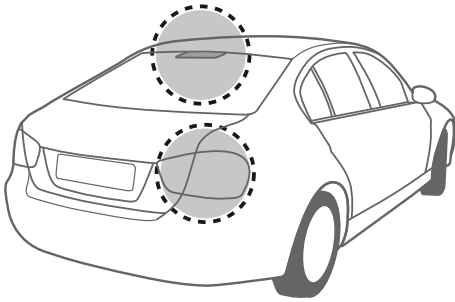
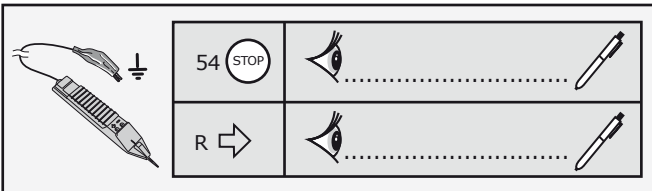


## ROUTING

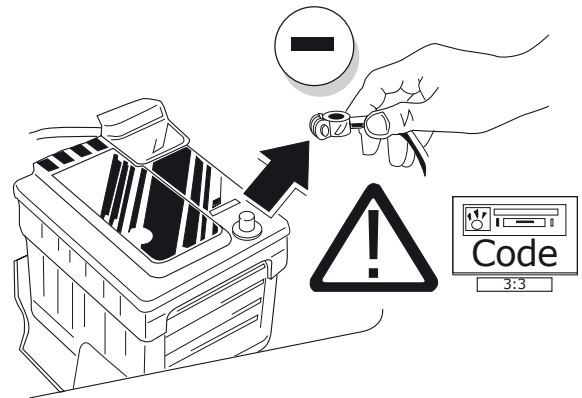
**BMW 1 Series E81, E82, E87, E88**  
**BMW 3 Series E90, E91, E92, E93**  
**BMW 5 Series E60, E61, F07**  
**BMW 7 Series E65, E66**  
**BMW X1 Series E84**  
**BMW X5 Series E70**  
**BMW X6 Series E71**



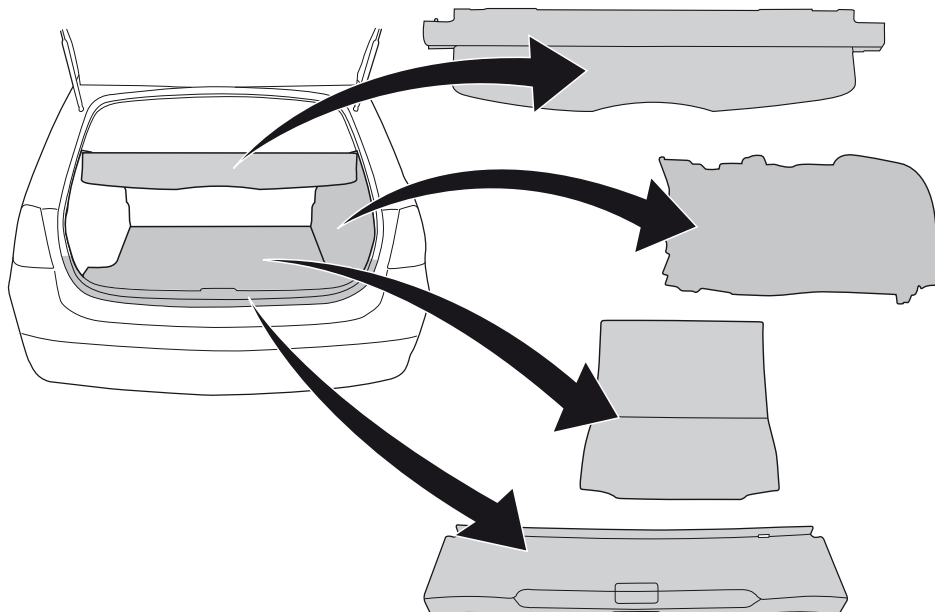
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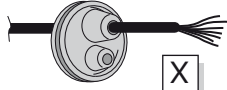
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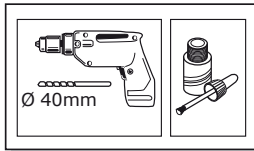
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INFO

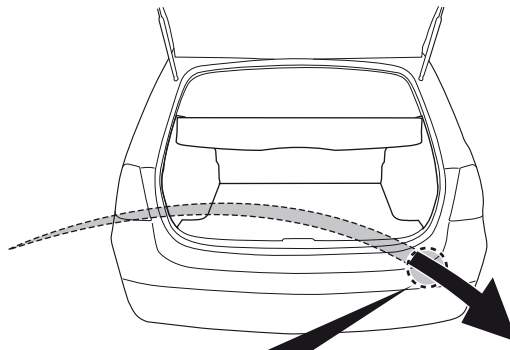
X



2



1



INFO

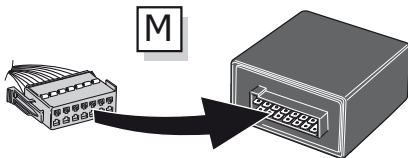
SOCKET CONNECTION



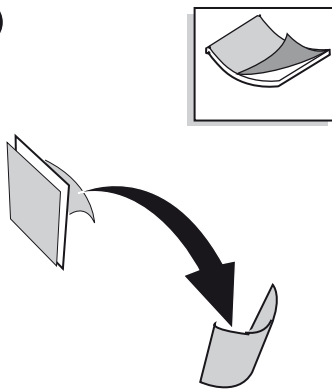
Pag. 28

24

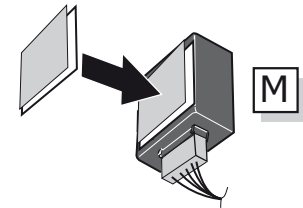
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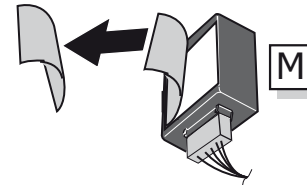
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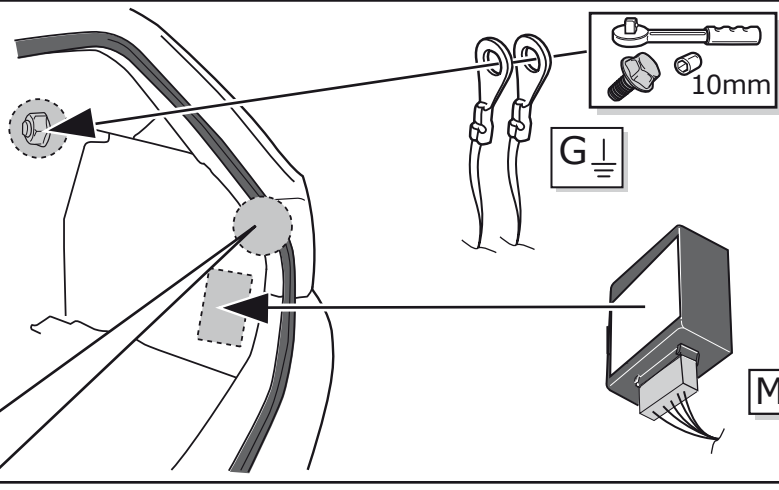
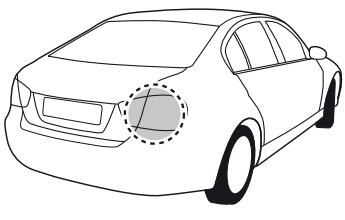
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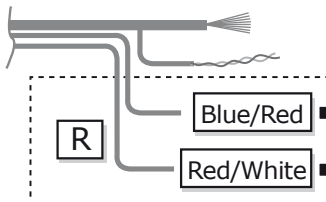
4



25



INFO



R

Blue/Red

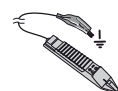
Red/White

54 STOP

R ↔

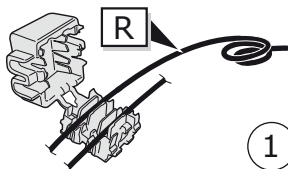


Pag. 11

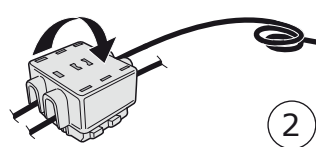


54 STOP

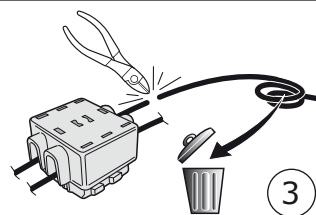
R ↔



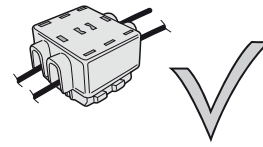
1



2



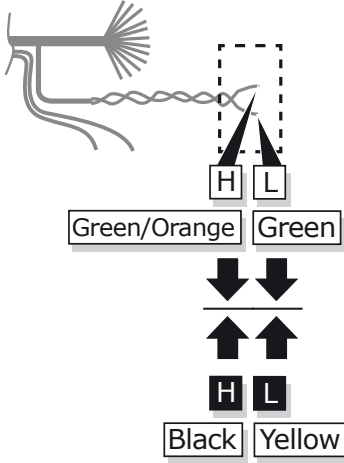
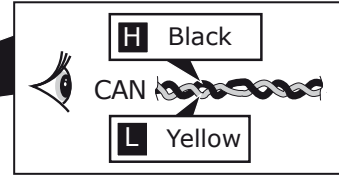
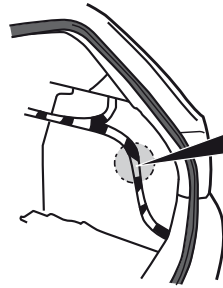
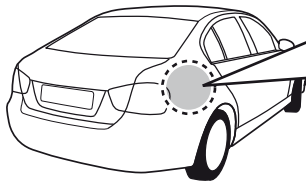
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4

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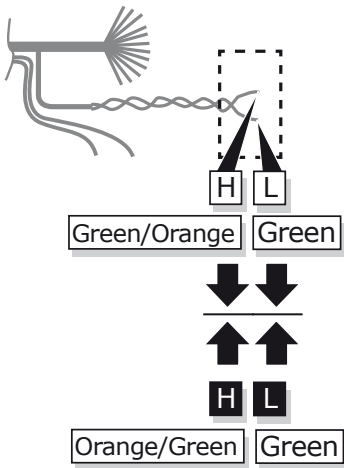
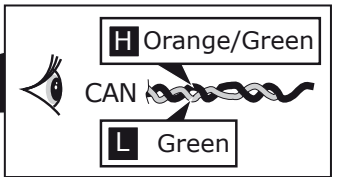
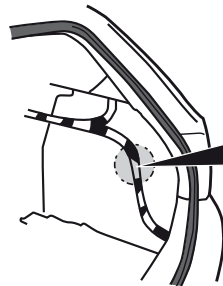
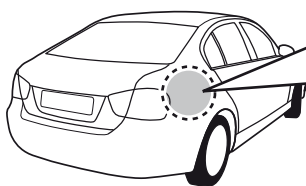
OPTION 1: E60 / E61



<b>INFO</b>		

27

OPTION 2: Other models



<b>INFO</b>		

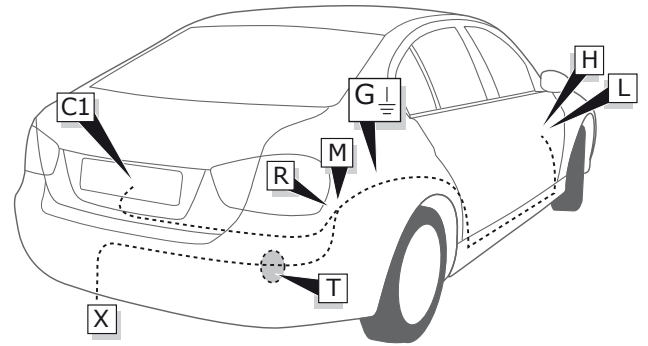
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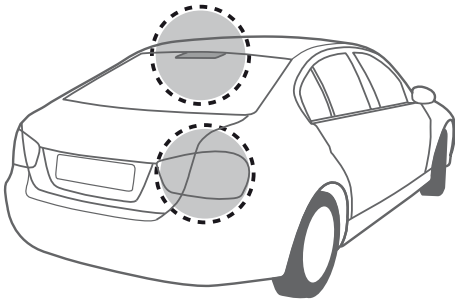
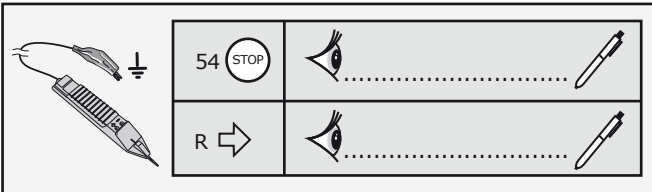
Pag. 26

# ROUTING

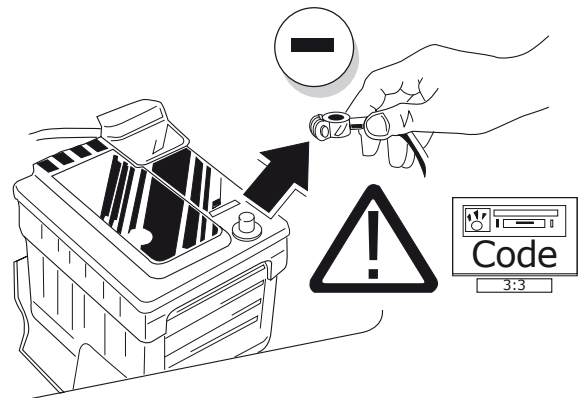
**BMW 5 Series E60, E61, F07**  
**BMW 7 Series E65, E66**  
**BMW X1 Series E84**  
**BMW X5 Series E70**  
**BMW X6 Series E71**



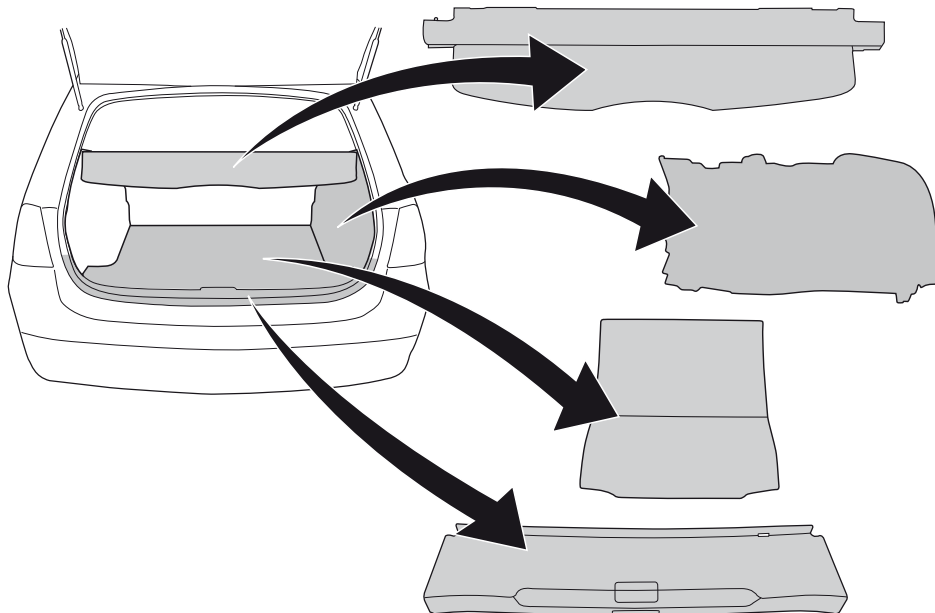
29



30



31



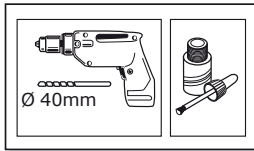
32

INFO

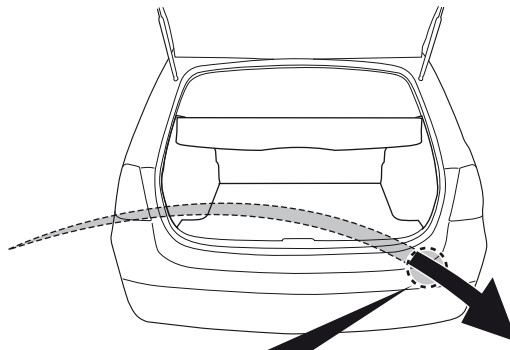
X



2



1



INFO

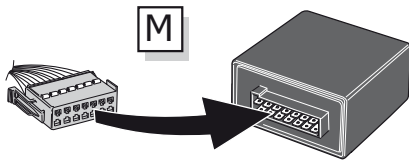
SOCKET CONNECTION



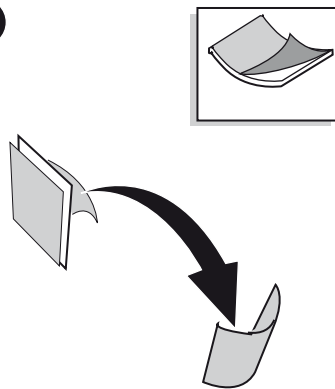
Pag. 28

33

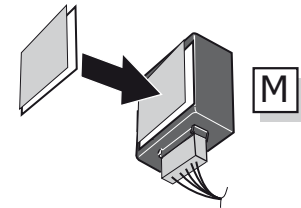
1



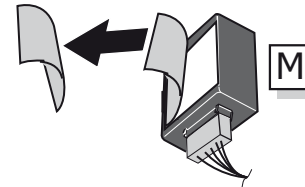
2



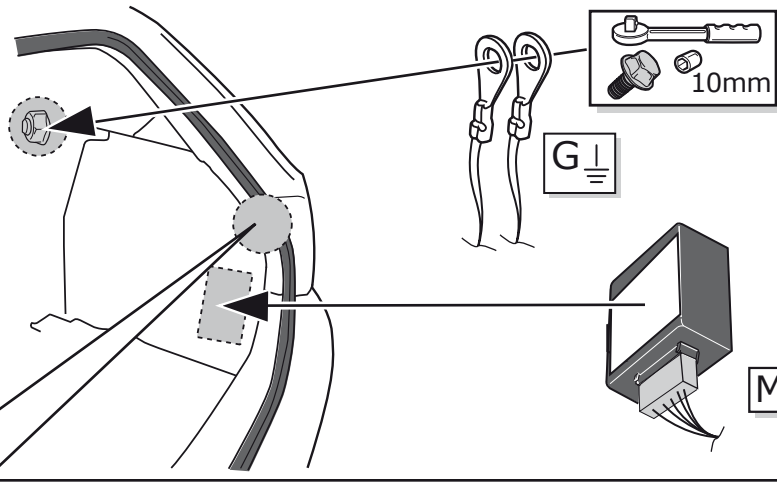
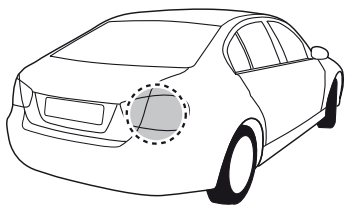
3



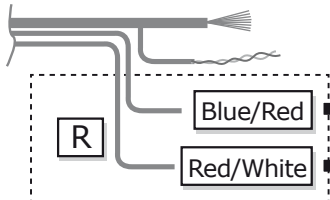
4



34



INFO



R

Blue/Red

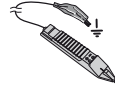
Red/White

54 STOP

R ↔

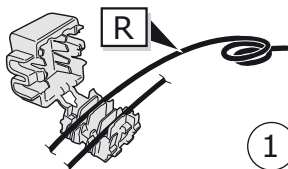


Pag. 14



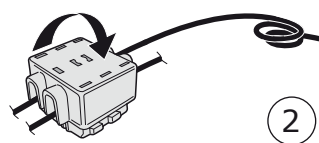
54 STOP

R ↔

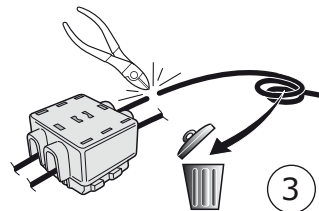


R

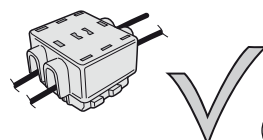
1



2



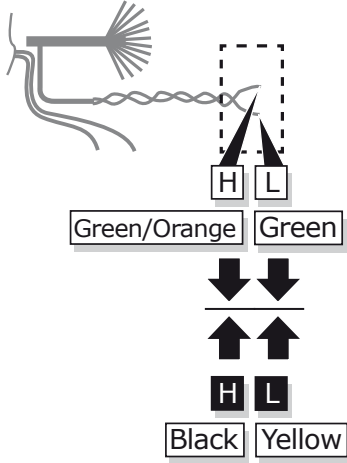
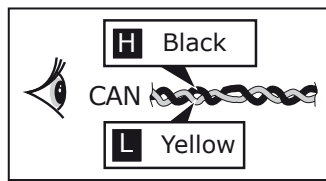
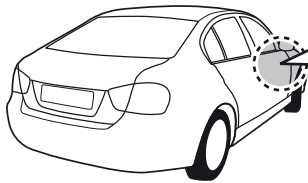
3



4

35

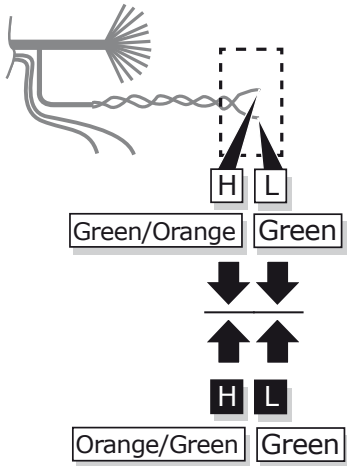
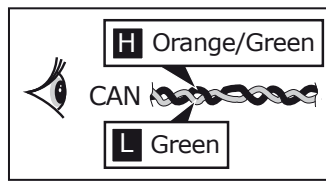
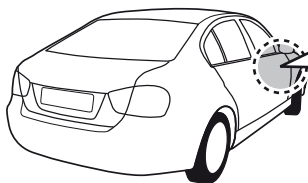
OPTION 1: E60 / E61



<b>INFO</b>		

36

OPTION 2: Other models



<b>INFO</b>		

37

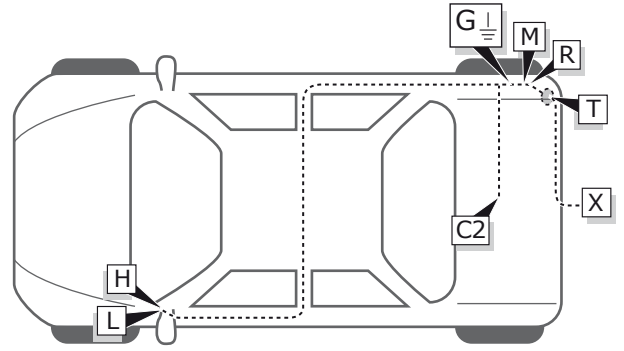


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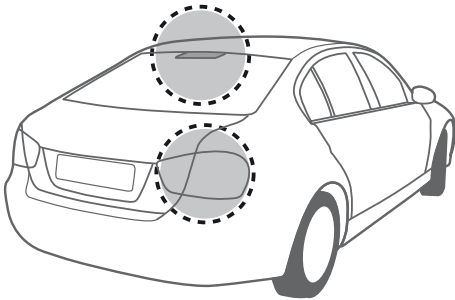
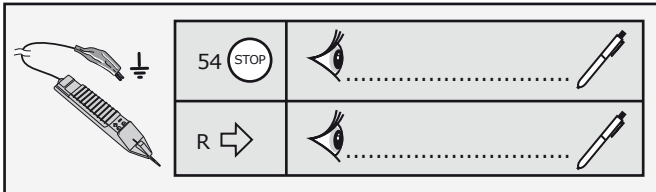


# ROUTING

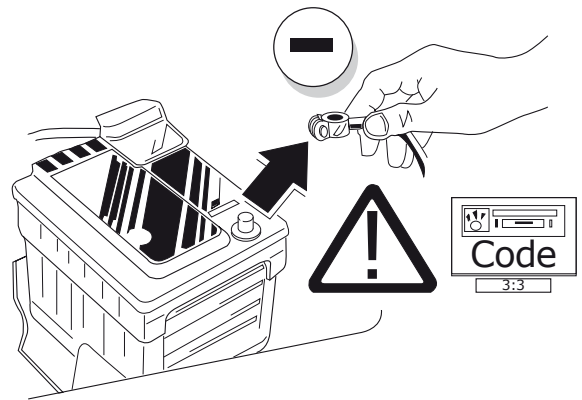
**BMW 1 Series E81, E82, E87, E88**  
**BMW 3 Series E90, E91, E92, E93**



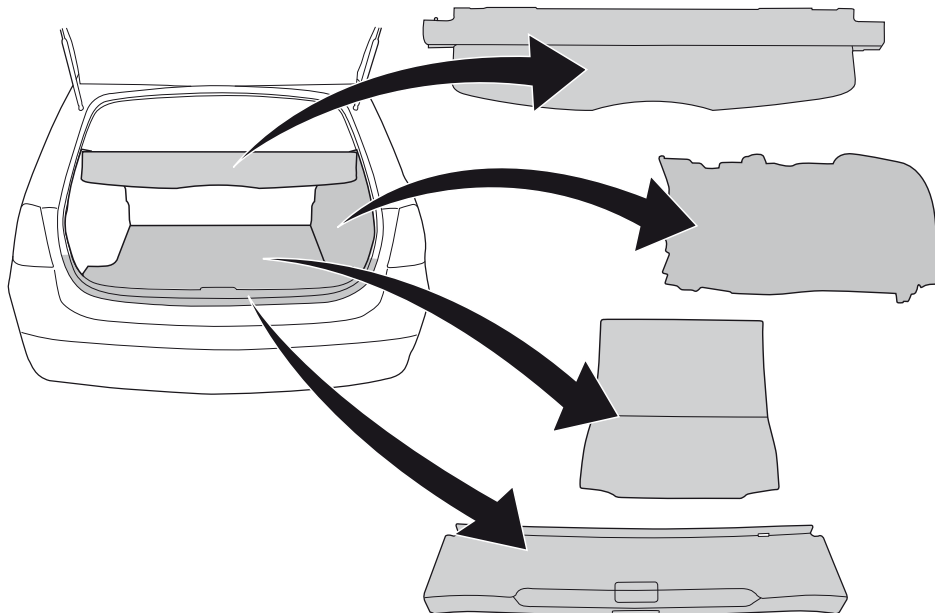
38



39



40



**41**

**INFO** X

**2**

**1**

Ø 40mm

**INFO**

**SOCKET CONNECTION**

**Pag. 28**

**42**

**1**

**2**

**3**

**4**

**43**

**1**

**2**

**3**

**4**

**5**

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**8**

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**10**

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**90**

**91**

**92**

**93**

**94**

**95**

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**98**

**99**

**100**

**INFO**

**R**

Blue/Red

Red/White

**54 STOP**

**R**

**Pag. 17**

**54 STOP**

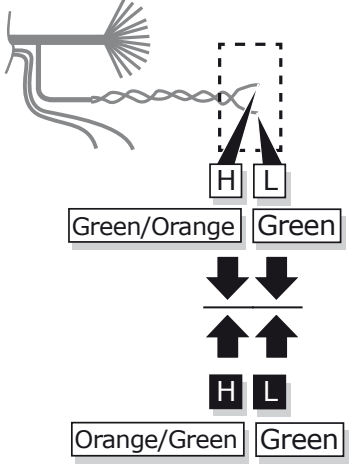
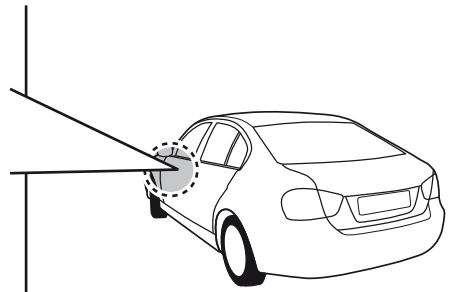
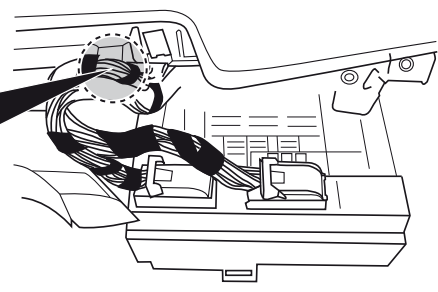
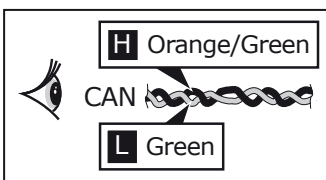
**R**

**1**

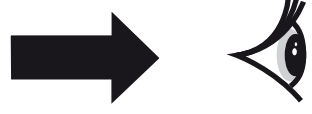
**2**

**3**

**4**



<p><b>H</b> Green/Orange <b>L</b> Orange/Green</p>	<p><b>L</b> Green <b>L</b> Green</p>	
<p><b>H</b> Green/Orange <b>L</b> Orange/Green</p>	<p><b>L</b> Green <b>L</b> Green</p>	
<p><b>INFO</b></p>		



Pag. 26

# BMW 1 Series F20, F21

## INFO



without PDC cut off function

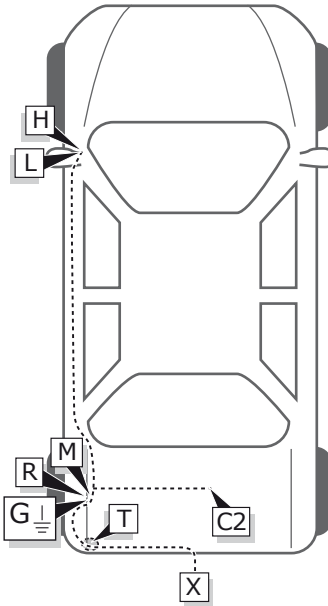
PARK DISTANCE CONTROL



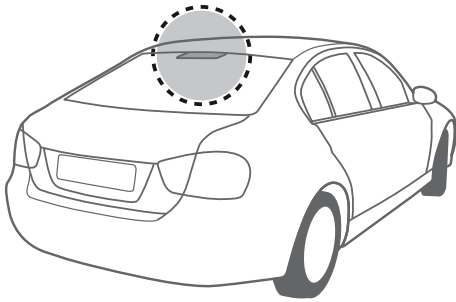
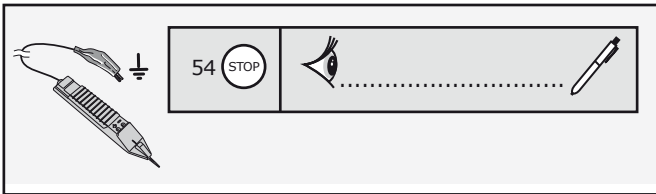
PARK DISTANCE CONTROL



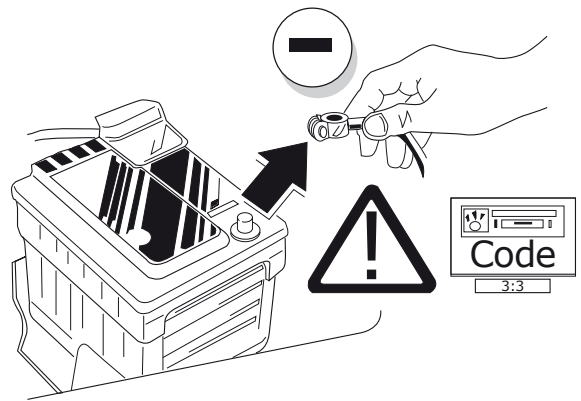
## ROUTING



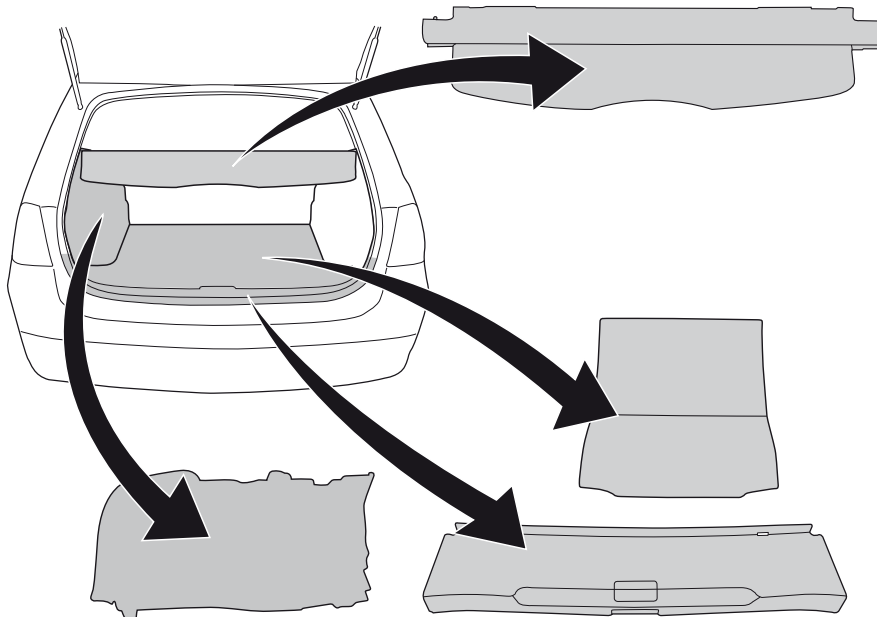
46

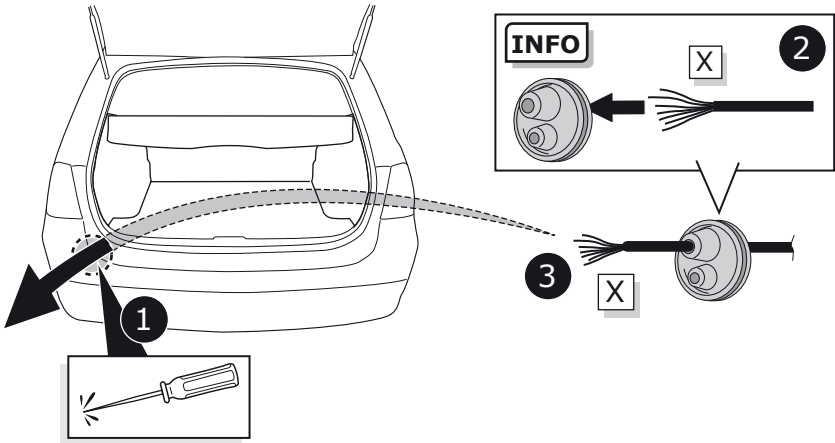


47



48

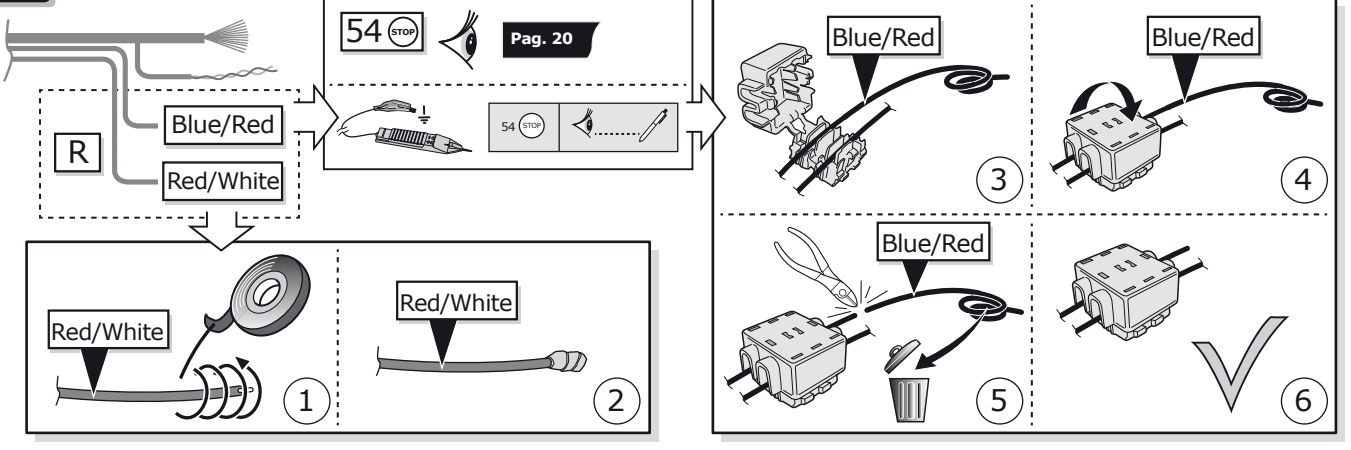
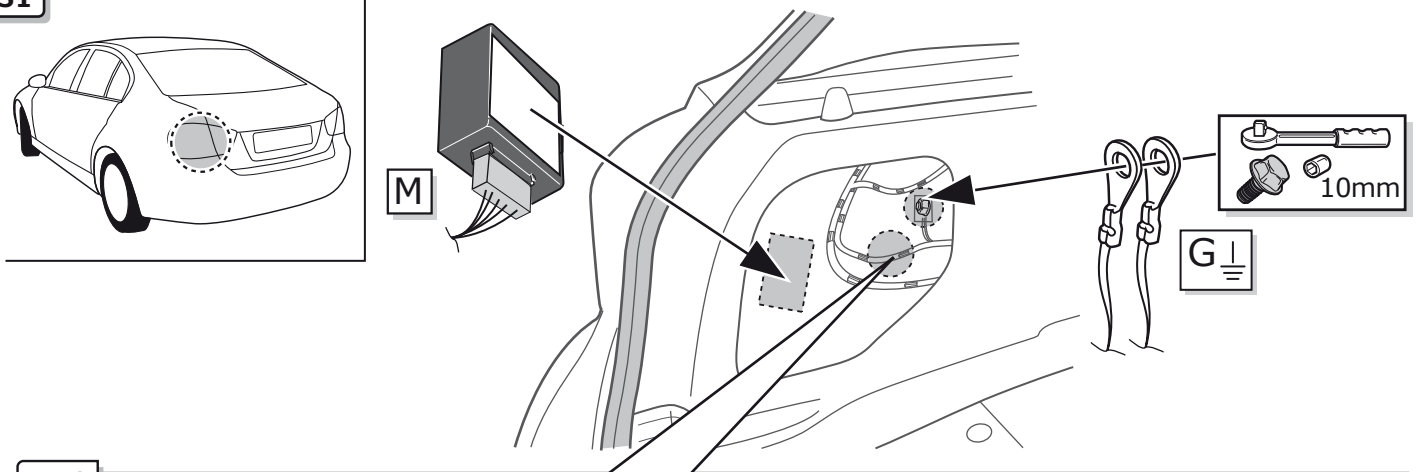
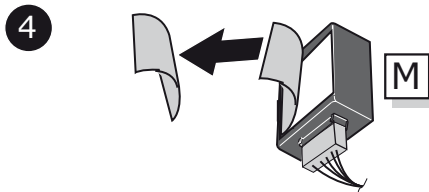
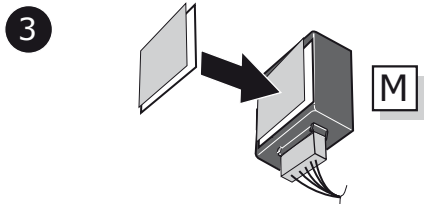
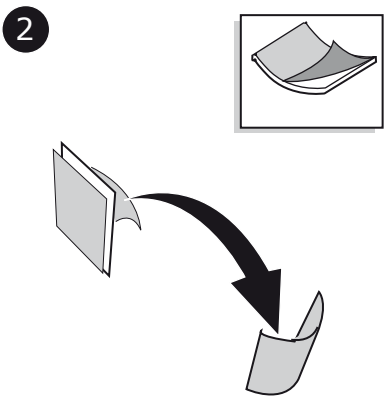
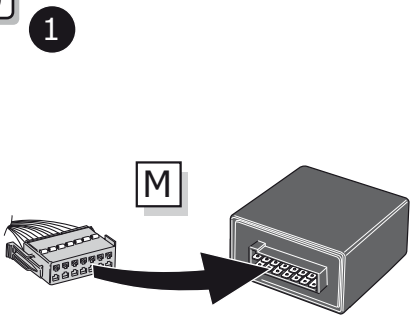




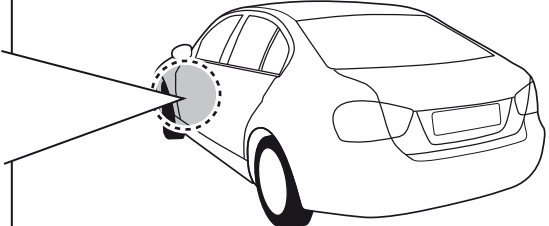
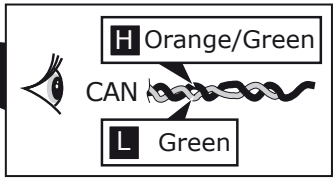
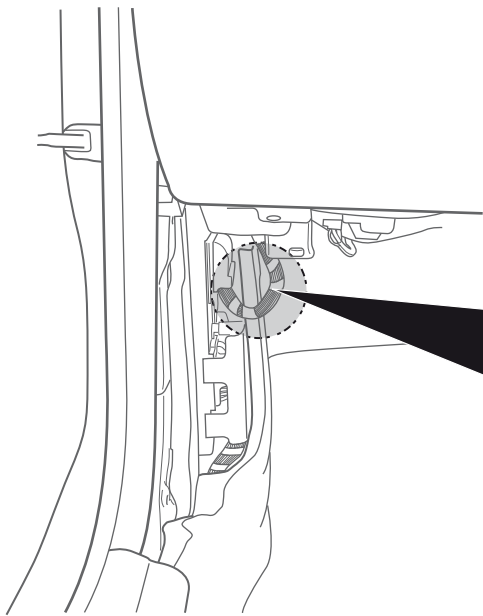
SOCKET CONNECTION



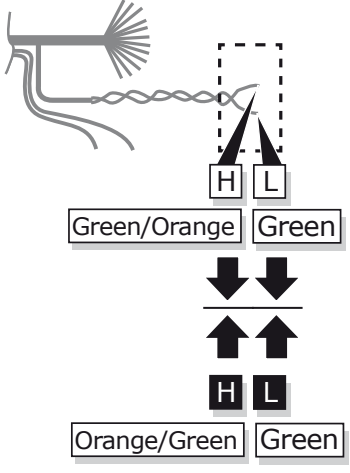
Pag. 28



52



53



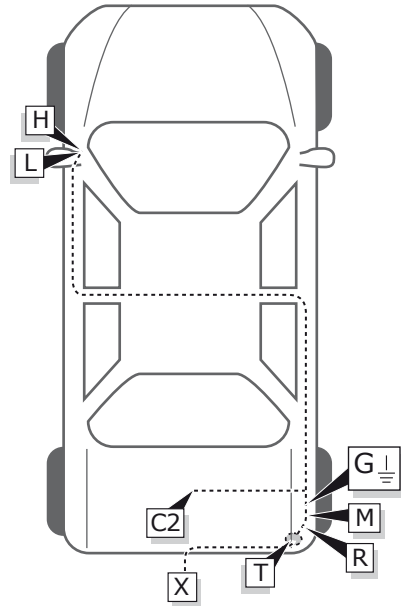
<p><b>INFO</b></p>		

54



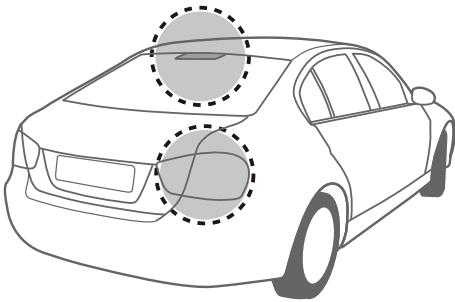
# BMW 3 Series F30, F31, F34

## ROUTING

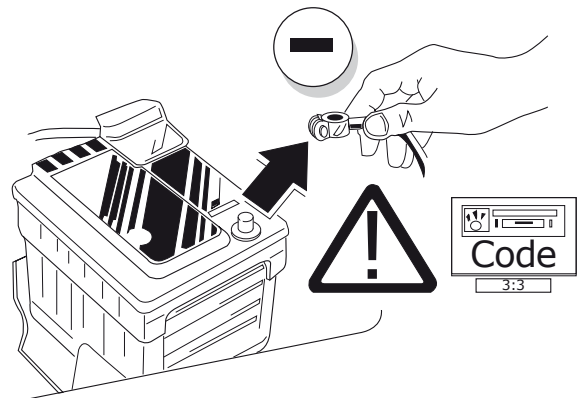


55

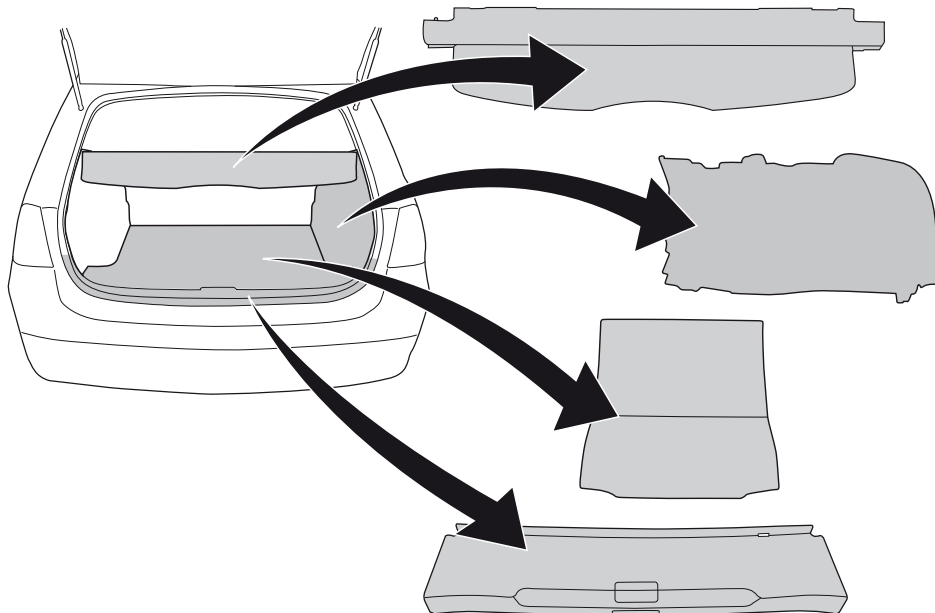
	54 STOP		
	R ↔		



56



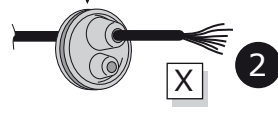
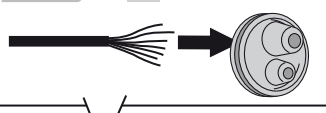
57



58

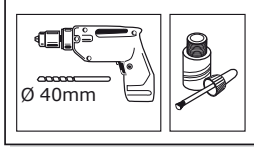
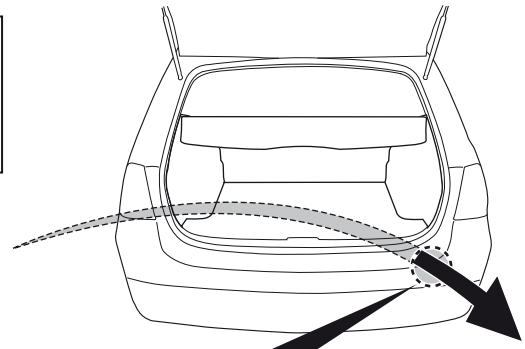
INFO

X



X

2



1

INFO

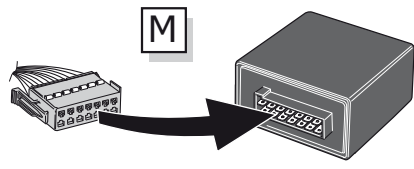
SOCKET CONNECTION



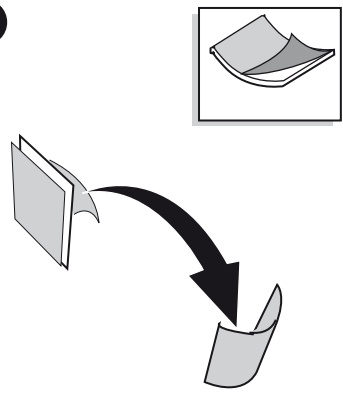
Pag. 28

59

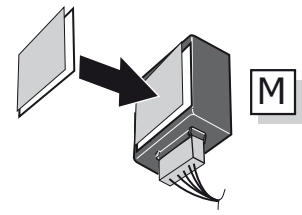
1



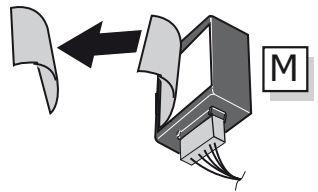
2



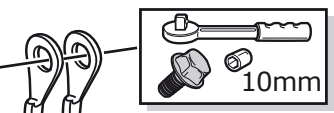
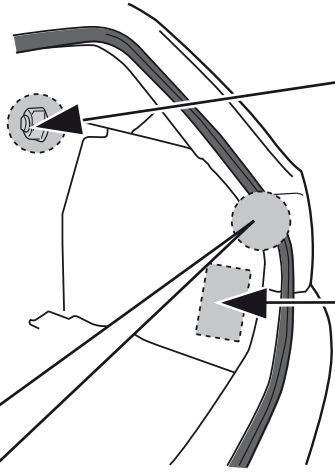
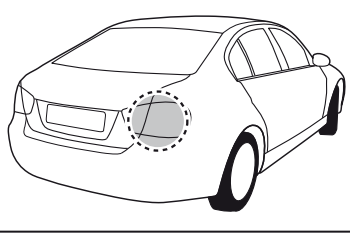
3



4

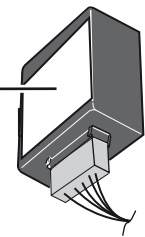


60



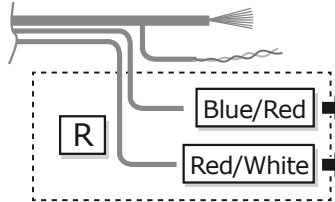
10mm

G



M

INFO



R

Blue/Red

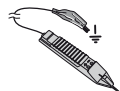
Red/White

54 STOP

R ↔

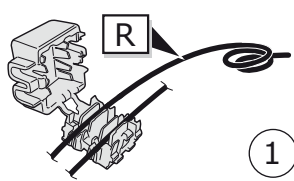


Pag. 23



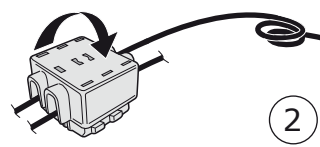
54 STOP

R ↔

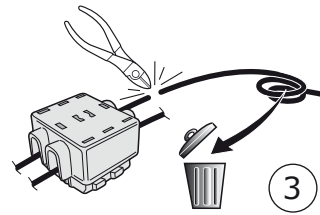


R

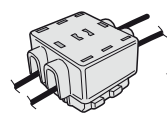
1



2



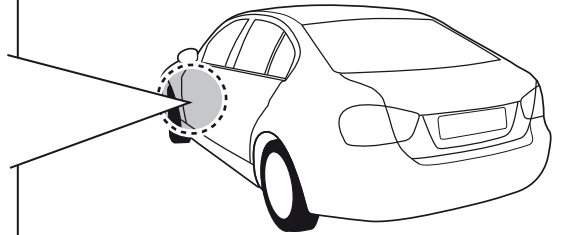
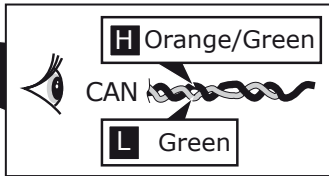
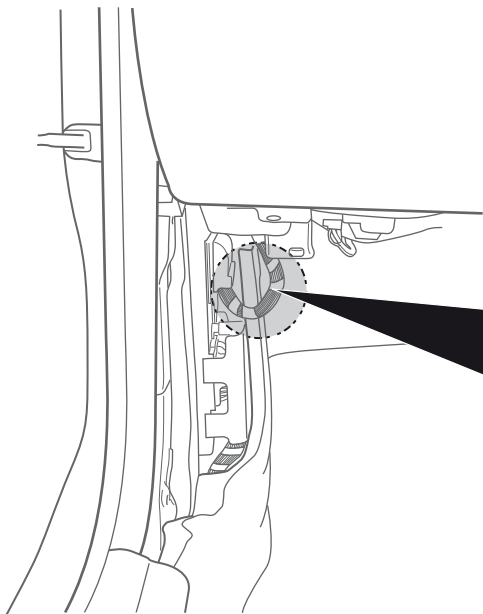
3



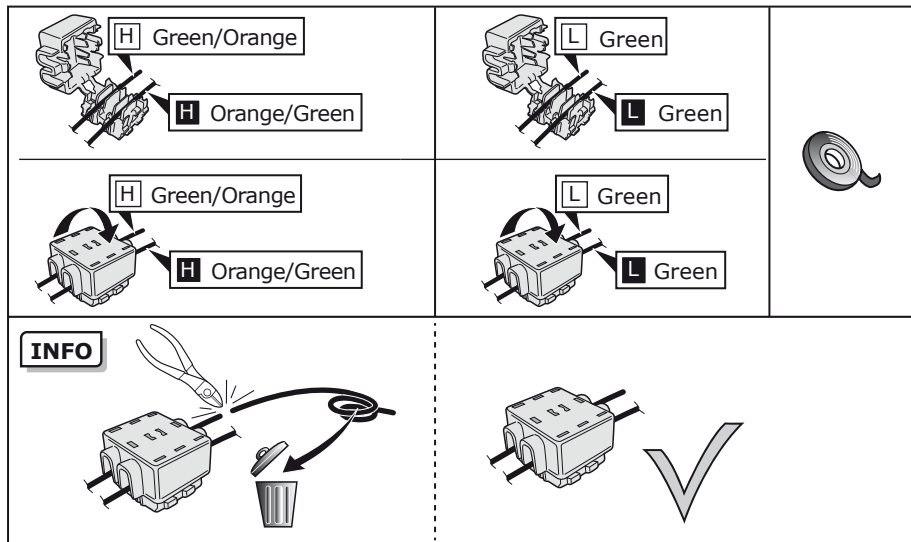
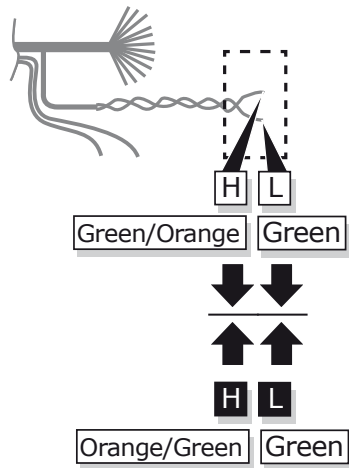
4



61



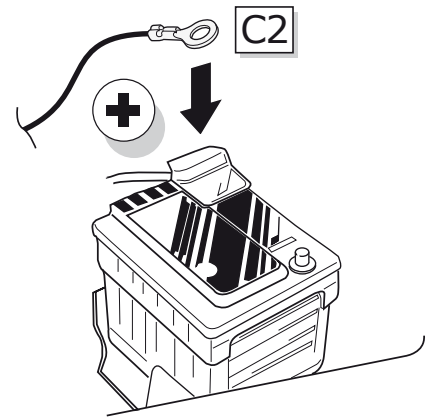
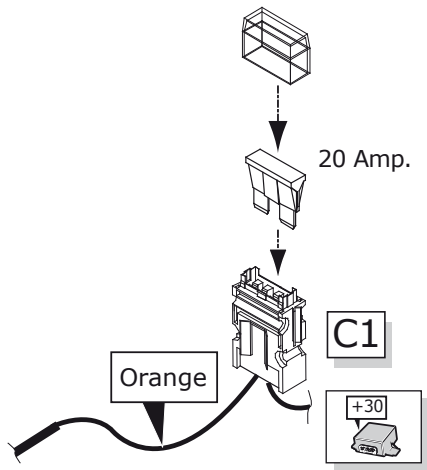
62



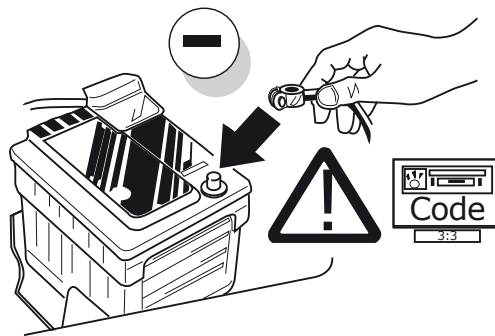
63



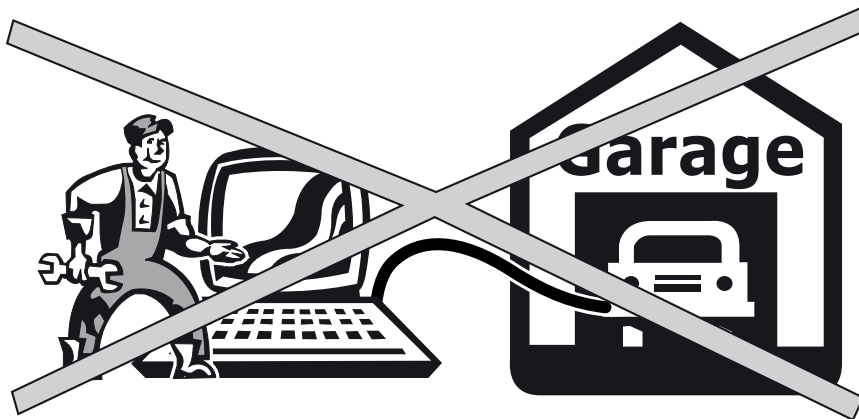
64



65



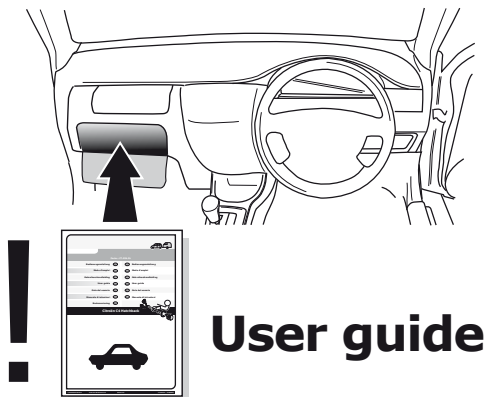
66



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

## INFO

REINSTALL TRIM.

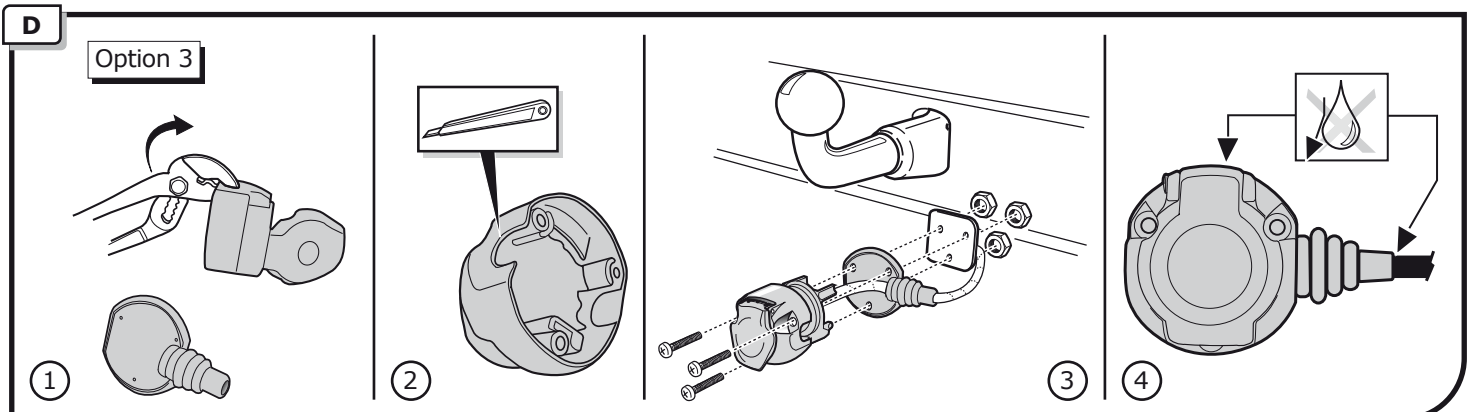
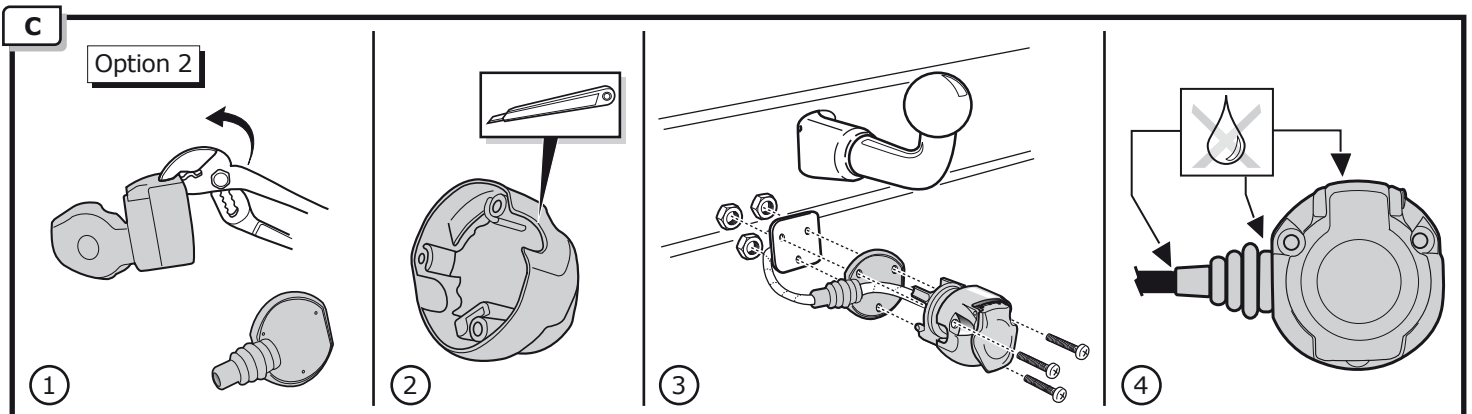
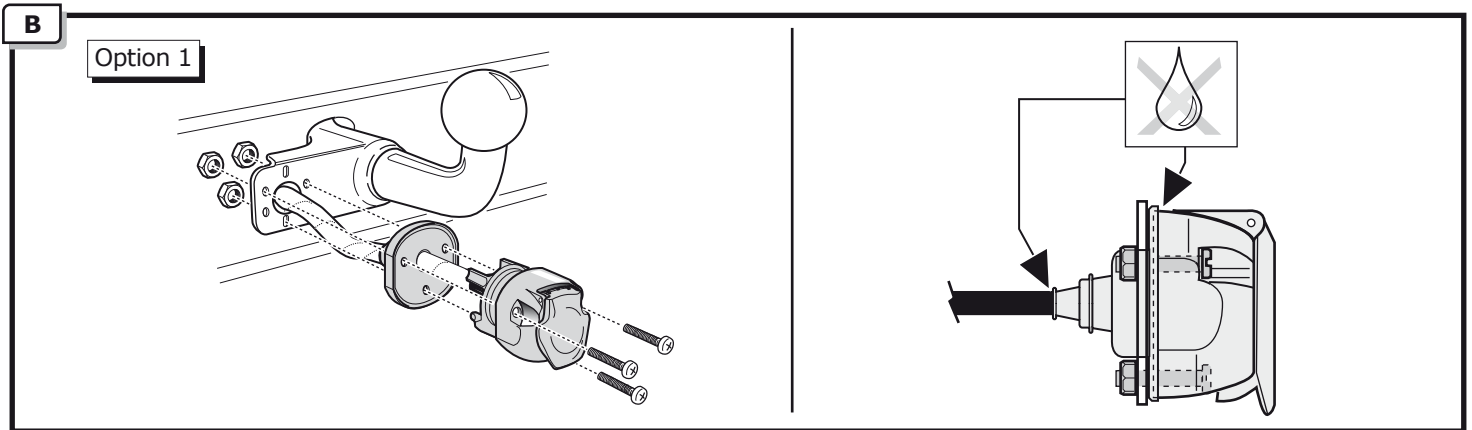
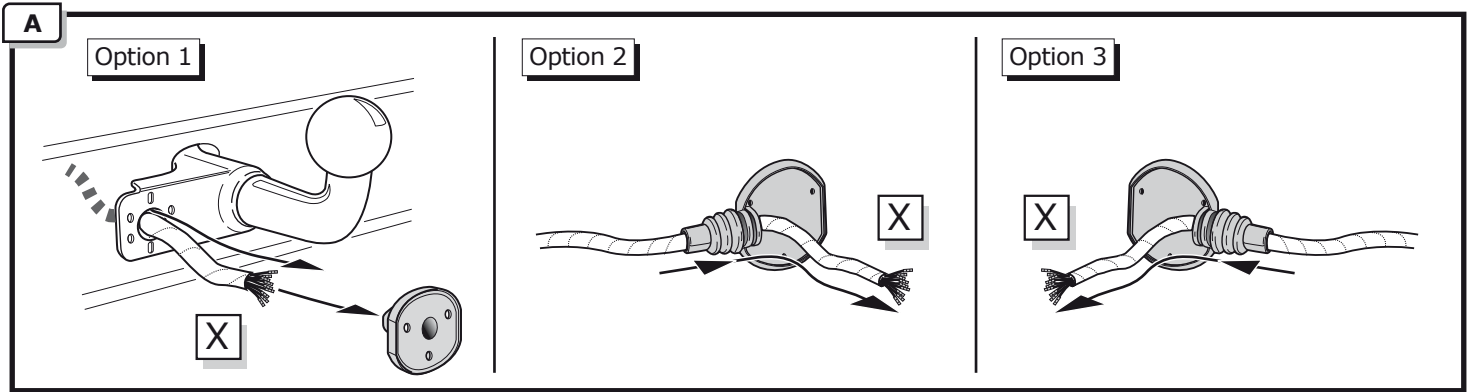


## INFO

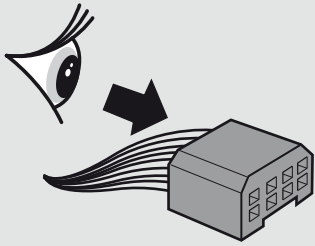
## SOCKET CONNECTION

DIN/ISO 11446													
	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/15Amp	180W/15Amp			
Colour	Yellow	Blue	White	Green	Brown	Red 1,00 mm <sup>2</sup>	Black	Black/ Red	Brown/ White	Red 2,50 mm <sup>2</sup>	White	-	White

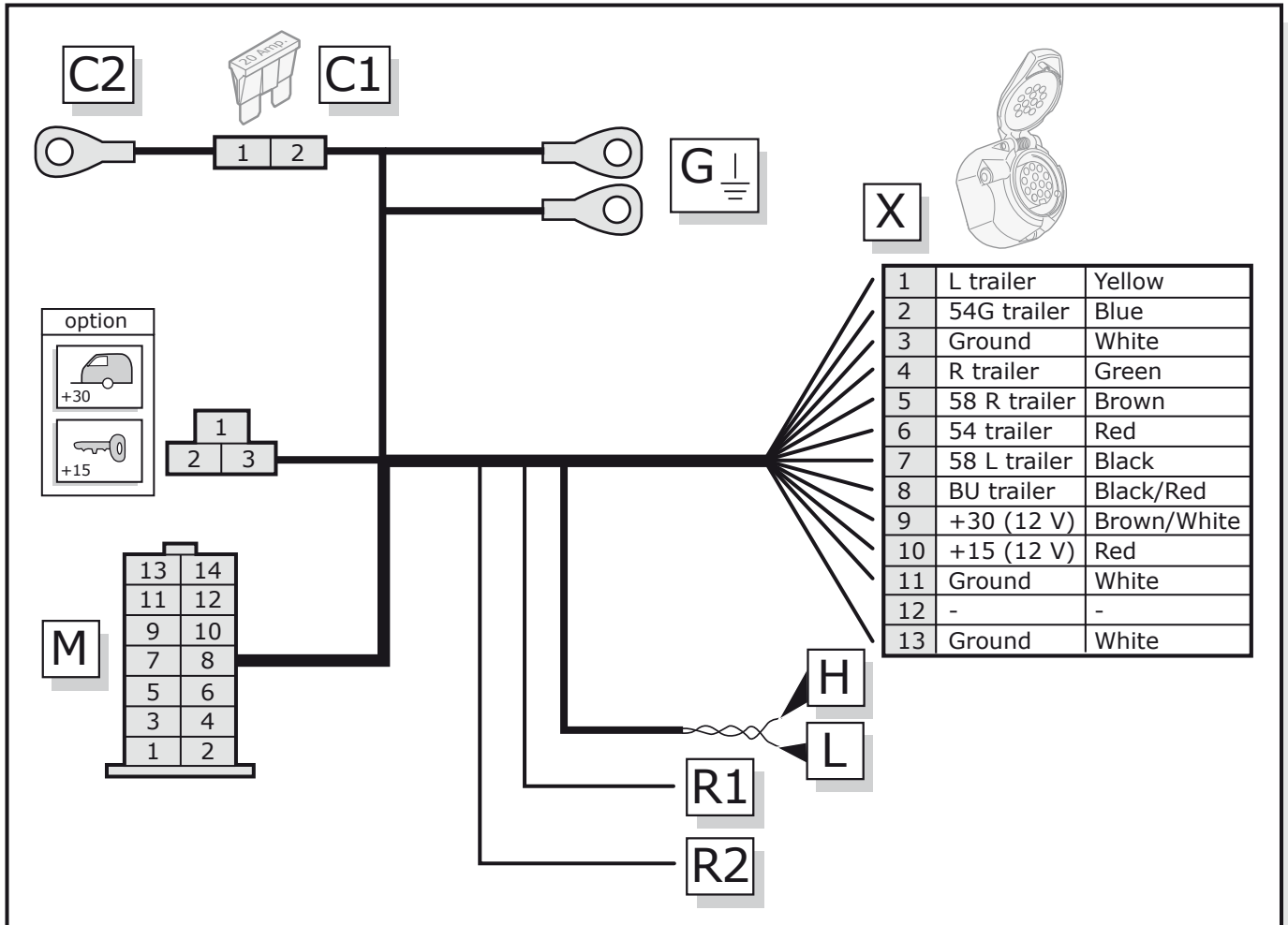
# INFO SOCKET CONNECTION



# INFO POWER SCHEDULE BW-008-D1U



L		54	
R		54G	
58L		BU	
58R		Ground/31	



<b>M</b>	1	Red	54 trailer	out
	2	Orange	+30 (12 V)	in
	3	Red/White	R	in
	4	Yellow	L trailer	out
	5	Blue/Red	54	in
	6	Black	58 L trailer	out
	7	Green	CAN L	in
	8	White	Ground	-
	9	Green/Orange	CAN H	in
	10	Green	R trailer	out
	11	Blue	54G trailer	out
	12	Brown	58 R trailer	out
	13	Black/Red	BUT	out
	14	Orange	+30	in

<b>C1</b>	1	Red	+30 (12 V)	in
	2	Orange	+30 (12 V)	out

<b>OPTION</b>	1	-	-	-
	2	Brown/White	+30 (12 V)	in
	3	Red	+15 (12 V)	in

<b>H</b>	Green/Orange	Can H	in
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<b>L</b>	Green	Can L	in
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<b>R1</b>	Blue/Red	54	in
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<b>R2</b>	Red/White	R	in
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<b>G</b>	White	Ground	-
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