

Original BMW Accessories.

Installation Instructions.



Facelift lights retrofitting

BMW 3 Series Saloon (F30)
BMW 3 Series Touring (F31)

Retrofit kit number

61 12 2 410 220 Facelift lights retrofit wiring harness

Installation time

The installation time is **approx. 1.5 hours**. This may vary depending on the condition of the vehicle and the equipment in it.

The installation time shown does not include any time spent on programming/coding.

The calculation of the total costs for the programming time must be factored into the calculation of retrofitting costs (no invoicing via warranty).

Important information

These installation instructions are primarily designed for use within the BMW dealership organisation and by authorised BMW service companies.

These installation instructions are intended for use by qualified specialist staff trained on BMW vehicles with the relevant expert knowledge.

All work must be completed using the latest BMW repair manuals, wiring diagrams, servicing manuals and work instructions, in a rational order, using the prescribed tools (special tools) and observing current health and safety regulations.

If you experience installation or function problems, restrict troubleshooting to approx. 0.5 hours for mechanical work and 1.0 hour for electrical work.


To avoid unnecessary extra work and/or costs, send an inquiry straight away to the technical parts support team via the Aftersales Assistance Portal (ASAP).

Quote the following information:

- Chassis number,
- Retrofit kit part number,
- A detailed description of the problem,
- And any work already carried out.

Do not archive the hard copy of these installation instructions since daily updates are provided via ASAP!

Pictograms

 Denotes instructions that draw your attention to dangers.

 Denotes instructions that draw your attention to special features.

◀ Denotes the end of the instruction or other text.

Installation information

Ensure that the cables and/or lines are not kinked or damaged as you install them in the car. Costs arising from this will not be reimbursed by BMW AG.

Additional cables/wires that you install must be secured with cable ties. If the specified PIN chambers are occupied, bridges, double crimps, or twin-lead terminals must be used.

All pictures show LHD cars; proceed accordingly on RHD cars.

After the installation work, the retrofit must be programmed / coded via the – **Conversions** – path.

Ordering instructions

The facelift lights retrofit is not a retrofit kit. All the parts required for the facelift lights retrofit must be ordered separately for the appropriate car version and year of manufacture (for part numbers and instructions, see EPC).

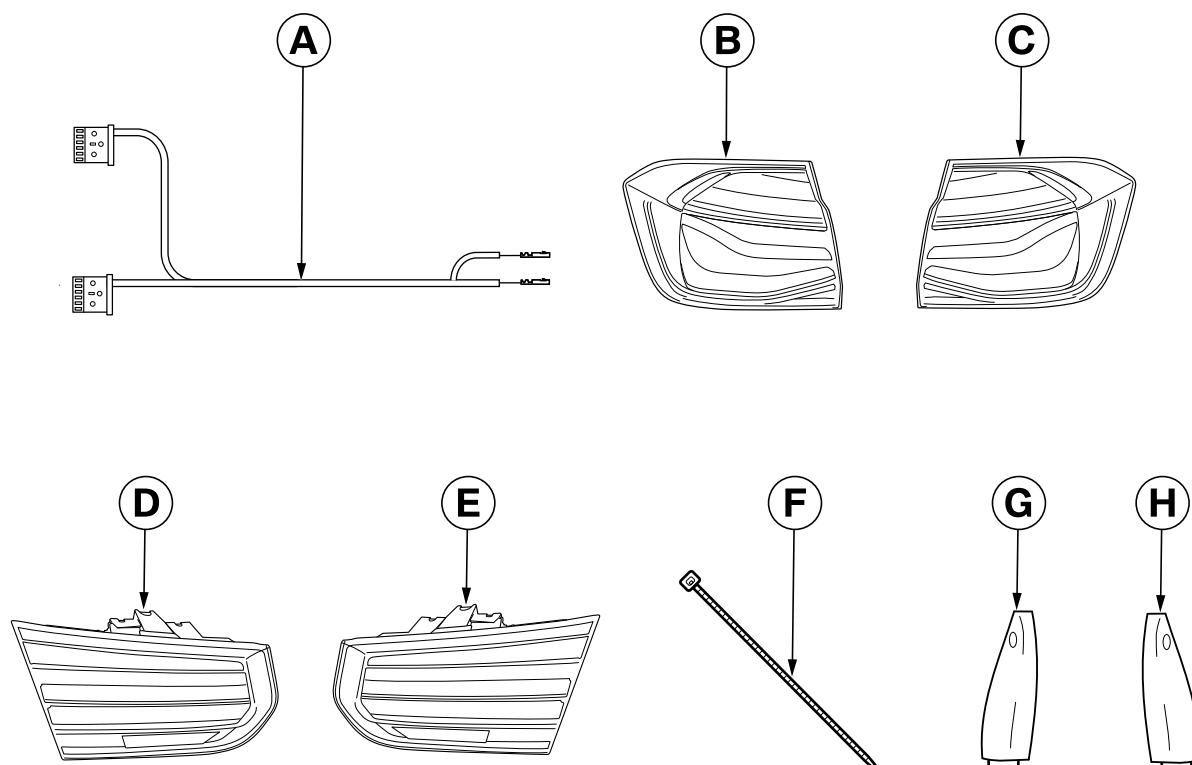
Special tools required

Details of the special tool required can be found in the relevant ISTA repair manual.

Table of contents

Section	Page
1. Parts list	4
2. Preparatory work	5
3. Retrofit wiring harness connection diagram	6
4. Installation and cabling diagram	7
5. Retrofit facelift lights	8
6. Concluding work and coding	10
7. Wiring diagram	11

1. Parts list



F30 0430 Z

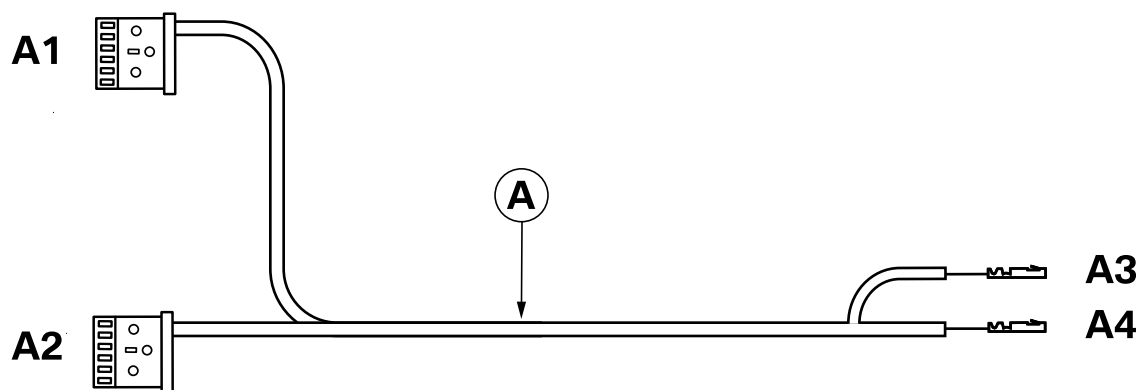
Legend

- A** Retrofit wiring harness
- B** Side wall tail lights, left
- C** Side wall tail lights, right
- D** Tailgate tail lights, left
- E** Tailgate tail lights, right
- F** Cable tie
- G** Left gutter cover
- H** Right gutter cover

2. Preparatory work

	ISTA No.
Disconnect the negative pole of the battery	61 20 900
The following components must be removed first of all	
Tailgate trim	54 49 000
Luggage compartment wheel arch trim, right	51 47 161
Left side wall tail light (no longer required)	63 21 260
Right side wall tail light (no longer required)	63 21 265
Left tailgate tail light (no longer required)	63 21 240
Right tailgate tail light (no longer required)	63 21 245

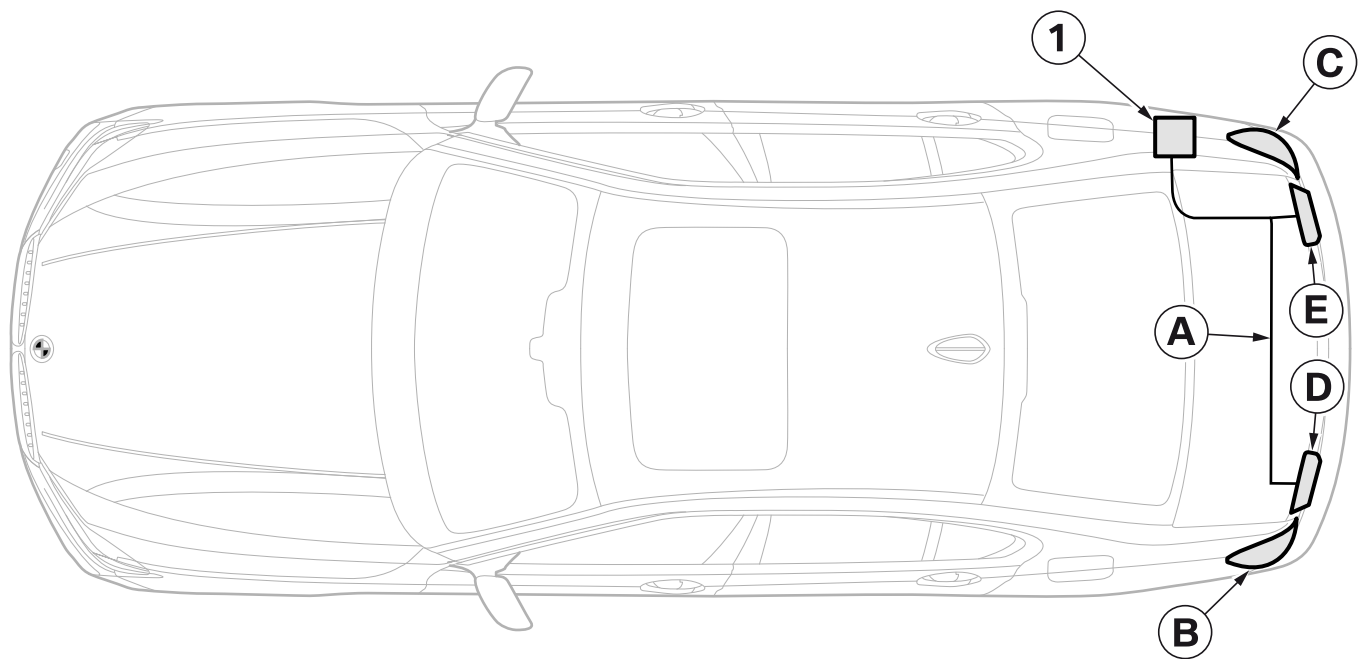
3. Retrofit wiring harness connection diagram



F30 0431 Z

Item	Designation	Signal	Cable colour/ cross-section	Connection location in the car	Abbreviation/ slot
A	Retrofit wiring harness	---	---	---	---
A1	Socket casing	---	---	To left tailgate tail light E60/D	E60*1B
A2	Socket casing	---	---	To right tailgate tail light E58/E	E58*1B
A3	Socket contact	BFD_L	BL 0.75 mm ²	To REM A174	A174*13B PIN 5
A4	Socket contact	BFD_R	GN 0.75 mm ²	To REM A174	A174*13B PIN 13

4. Installation and cabling diagram

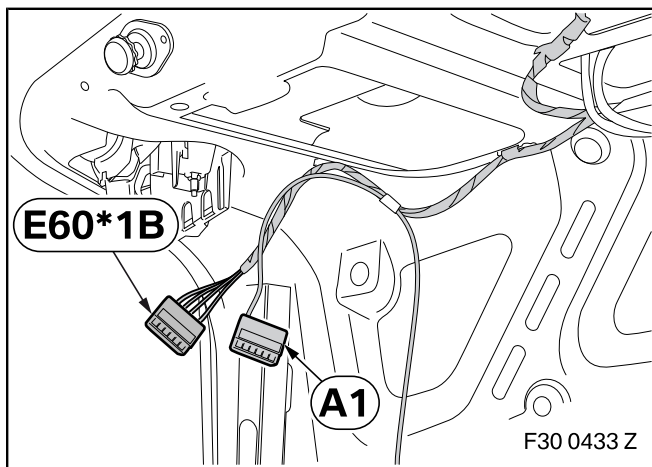


F30 0432 Z

- A** Retrofit wiring harness
- B** Side wall tail lights, left
- C** Side wall tail lights, right
- D** Tailgate tail lights, left
- E** Tailgate tail lights, right

- 1** REM control unit **A174**

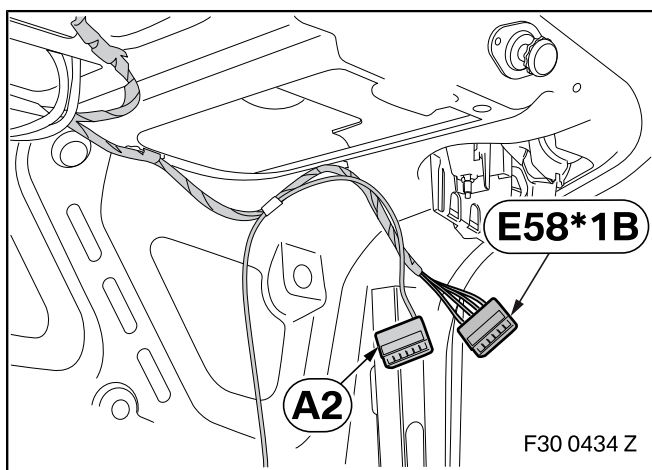
5. Retrofit facelift lights



Disconnect all cables as follows from vehicle plug **E60*1B** left tailgate tail light and connect them to socket housing **A1**:

- Cable from PIN 1, SW/VI cable, to PIN 6
- Cable from PIN 2, BR cable, to PIN 3
- Cable from PIN 3, GE/SW cable, to PIN 4
- Cable from PIN 4, GN/GE cable, to PIN 5

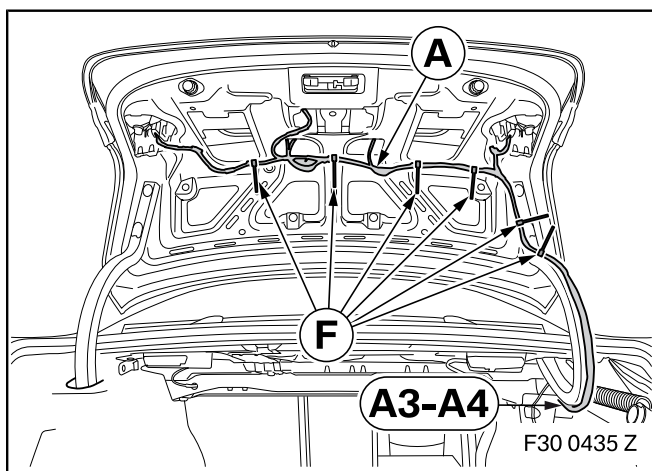
The 4-pin SW vehicle socket casing is no longer required.



Disconnect all cables as follows from vehicle plug **E58*1B** right tailgate tail light and connect them to socket housing **A2**:

- Cable from PIN 1, GN/RT cable, to PIN 5
- Cable from PIN 2, BR cable, to PIN 3
- Cable from PIN 3, GE/VI cable, to PIN 4
- Cable from PIN 4, SW/BL cable, to PIN 6

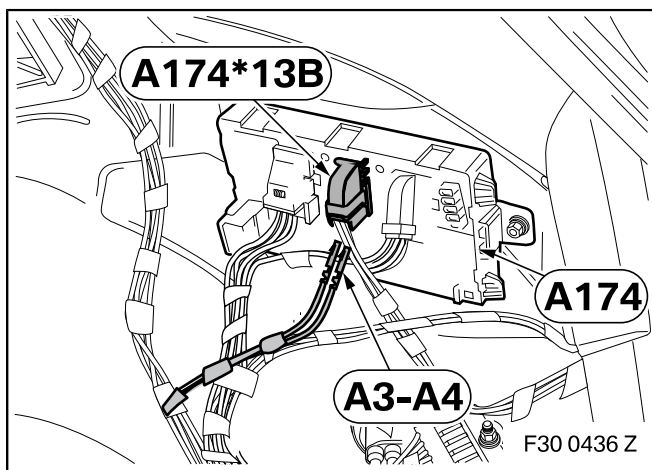
The 4-pin SW vehicle socket casing is no longer required.



▶ If necessary, for F31 cars, the cables may be extended using conventional workshop tools in compliance with the BMW guidelines for handling wiring harnesses and routed to the location of the REM A174. ◀

Route branches **A3-A4** to the location of the REM A174 control unit.

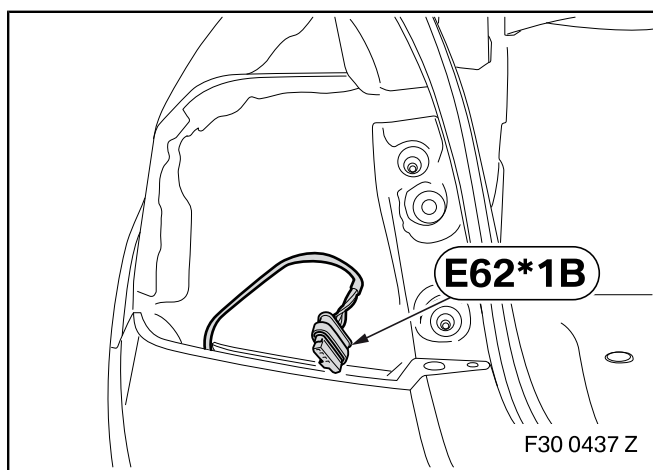
Secure retrofit wiring harness **A** to the standard vehicle wiring harness using cable ties **S**.



Connect branches **A3-A4** as follows to plug **A174*13B**, SW 26-pin socket casing, of the REM **A174** control unit:

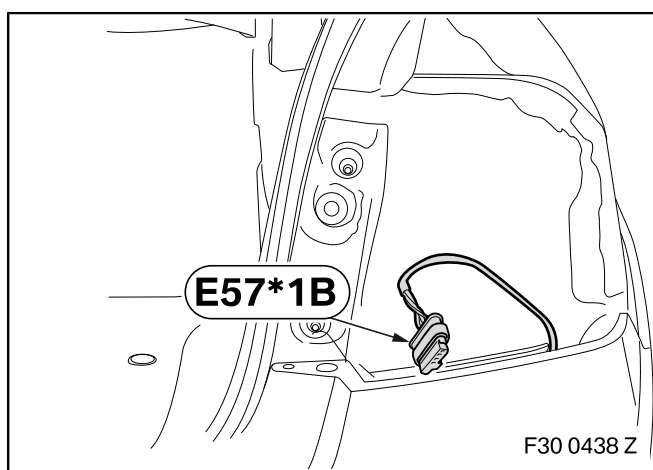
- Branch **A3**, BL cable, to PIN 5
- Branch **A4**, GN cable, to PIN 13

5. Retrofit facelift lights



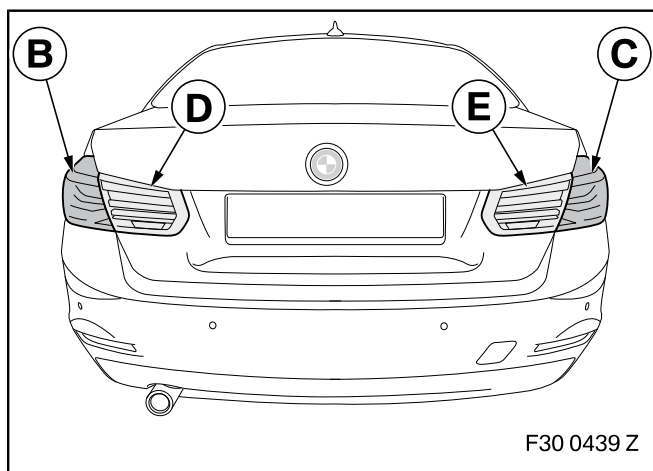
Reconnect the cables on standard plug **E62*1B** left side wall tail light as follows:

- Cable from PIN 1, SW/GE cable, to PIN 2
- Cable from PIN 2, SW/WS cable, to PIN 1
- Cable from PIN 5, GR/VI cable, to PIN 4



Reconnect the cables on standard plug **E57*1B** right side wall tail light as follows:

- Cable from PIN 1, SW/BL cable, to PIN 2
- Cable from PIN 2, SW/GR cable, to PIN 1
- Cable from PIN 5, GR/GE cable, to PIN 4



Connect the side wall tail lights **B** and **C** and install them.

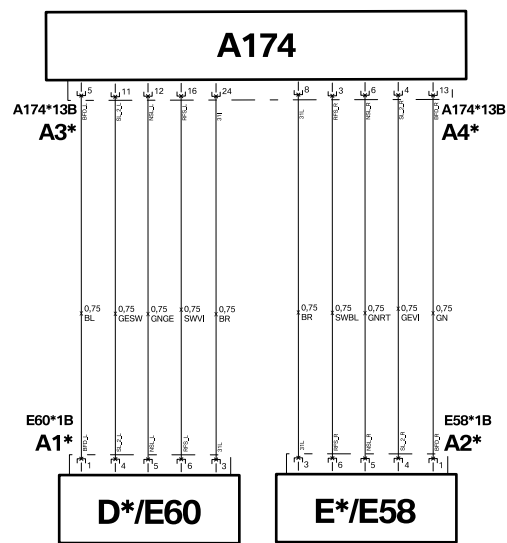
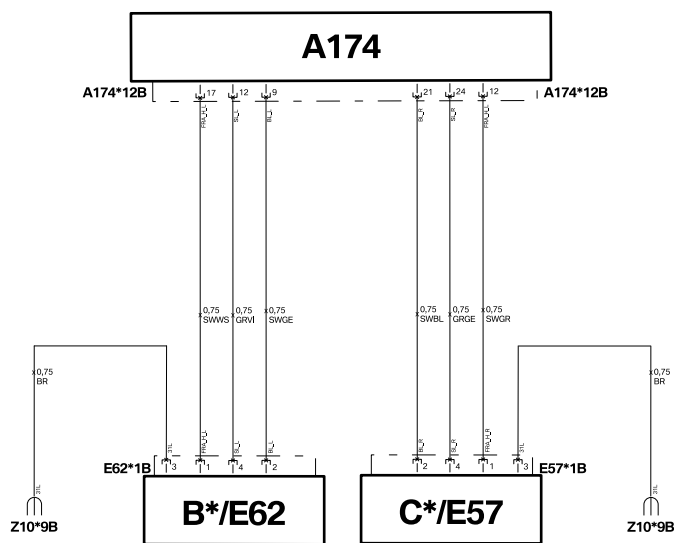
Connect the tailgate tail lights **D** and **E** and install them.

6. Concluding work and coding

The retrofit system requires programming/coding.

- Install the left gutter cover **G** and right gutter cover **H** as described in ISTA 51 49 ...
- Connect the battery
- Connect the battery charger to the car
- Connect the car to the ISTA workshop system
- Call up the ISTA/P car programming facility
- If using ISTA/P, please note the instructions provided in the ISTA/P application documentation
- Select the "LCI tail lights" retrofit via the – **Conversions** – path and work through the created action plan
- If necessary, carry out a car test using the ISTA system and note or work through any entered error memory
- Conduct a function test
- Re-assemble the car appropriately

7. Wiring diagram



F30 0440 Z

Legend

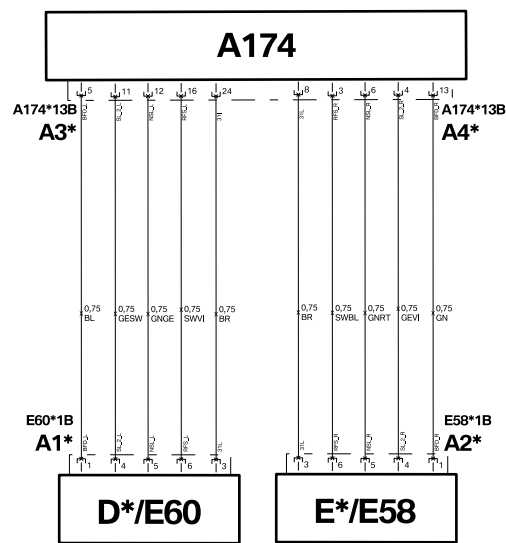
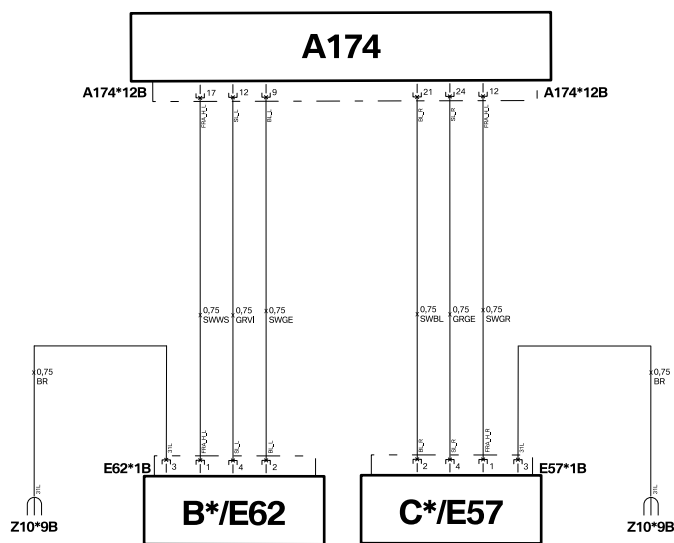
- A1*** SW 6-pin socket casing, to left tailgate tail light **D*/E60**
- A2*** SW 6-pin socket casing, to right tailgate tail light **E*/E58**
- A3*** Socket contact, BL cable, to PIN 5 of plug **A174*13B** to REM control unit **A174**
- A4*** Socket contact, GN cable, to PIN 13 of plug **A174*13B** to REM control unit **A174**

- B*** Side wall tail lights, left
- C*** Side wall tail lights, right
- D*** Tailgate tail lights, left
- E*** Tailgate tail lights, right

- A174** REM control unit
- E57** Side wall tail lights, right
- E58** Tailgate tail lights, right
- E60** Tailgate tail lights, left
- E62** Side wall tail lights, left

All of the designations marked with * apply only to these installation instructions or this wiring diagram.

7. Wiring diagram



F30 0440 Z

Legend

- A174*13B** WS 26-pin socket casing to REM control unit **A174**
E57*1B SW 6-pin socket casing, to right side wall tail light **E57**
E58*1B SW 6-pin socket casing, to right tailgate tail light **E58**
E60*1B SW 6-pin socket casing, to left tailgate tail light **E60**
E62*1B SW 6-pin socket casing, to left side wall tail light **E62**
Z10*9B Earthing post, luggage compartment, right

All of the designations marked with * apply only to these installation instructions or this wiring diagram.

Cable colours

BL	Blue	GR	Grey	RT	Red
BO	Bordeaux (Burgundy)	L-GN	Light green	SW	Black
BR	Brown	NT	Natural	TR	Transparent
GE	Yellow	OR	Orange	VI	Violet
GN	Green	RO	Pink	WS	White