

# Original BMW Accessory.

## Installation Instructions.



### Illuminated Door Sill Strips Retrofit

**BMW 3 Series Coupé (E92)**

**BMW 3 Series Convertible (E93)**

<b>Retrofit kit no.:</b>	51 47 0 429 899	Illuminated door sill strips retrofit kit
	51 47 0 426 789	Stainless steel door sill strips retrofit kit

#### Installation time

The installation time for the illuminated variant is **approx. 1.5 hours**, while for the non-illuminated variant it is **approx. 0.5 hours**. This may vary depending on the condition of the car and the equipment in it.

#### Important information

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

In any event, the target group for these installation instructions is specialist personnel trained on BMW cars with the appropriate specialist knowledge.

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

**In the event of any installation or function problems, restrict the troubleshooting session to about 0.5 hours for mechanical work or 1 hour for electrical work.**


In order to reduce costs and avoid any additional expense, send a query immediately to the Technical Parts Support via the Aftersales Assistance Portal (ASAP).


Please provide the following information:

- Chassis number
- Part number of the retrofit kit
- A precise description of the problem
- Work steps already carried out

Do not archive the hard copy of these installation instructions since daily updates are made by 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.



#### **Warning - dangerous electrical voltage**

Beware of high-voltage components!

Before commencing work, disconnect the negative terminal of the battery and secure against accidental contacting. ◀

### **Installation information**

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

Additional cables/lines 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.

Some of the installation of the aerial is shown only on the right-hand side of the car, proceed in the same way on the left-hand side of the car.

Deburr holes and treat them with anti-corrosive coatings as set out in BMW directives to protect them from corrosion.

### **Ordering instructions**

The clips **H** are not supplied in the retrofit kit and must be ordered separately for **E93** cars (see EPC for part number and details).

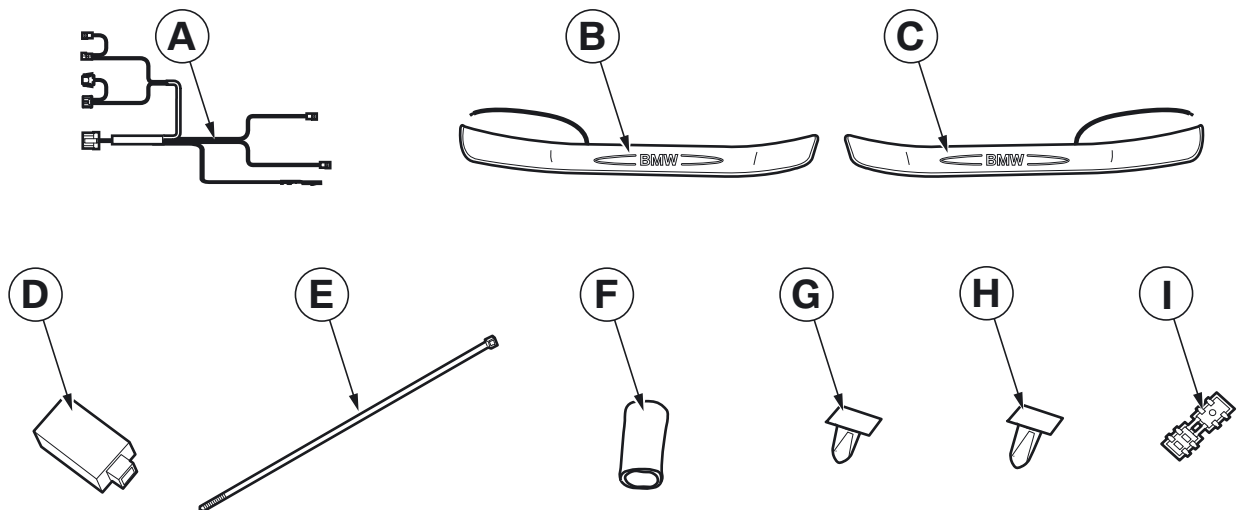
### **Special tools required**

00 9 310, Installation wedges

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## 1. Parts list




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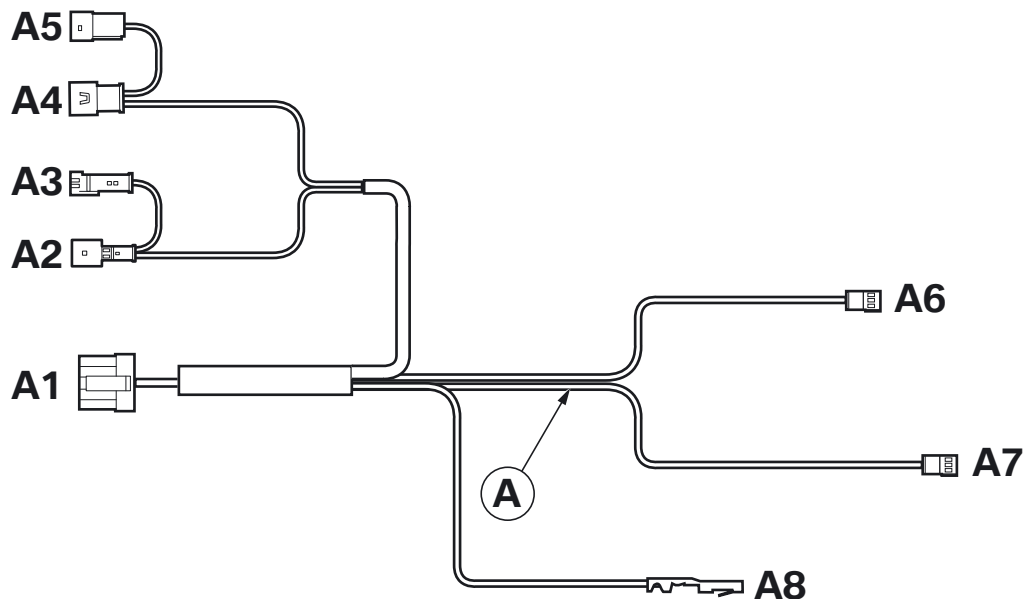
### Legend

- A** Retrofit cable (illuminated variant only)
- B** Left door sill strip
- C** Right door sill strip
- D** Inverter (illuminated variant only)
- E** Cable tie (15x, illuminated variant only)
- F** Inverter protective cover (illuminated variant only)
- G** White clip (12x)
- H** Grey clip (8x, for E93 cars only, not supplied in the retrofit kit)
- I** Miniature connector (illuminated variant only)

## 2. Preparatory work

	<b>ISTA No.</b>
Conduct a brief test	---
 <b>Warning - dangerous electrical voltage</b> Beware of high-voltage components! Before commencing work, disconnect the negative terminal of the battery and secure against accidental contacting. ◀	12 00 ...
<b>The following components must be removed first of all</b>	
Door sill strips (interior) left and right	51 47 000
Cover trims on left and right door sills (no longer required)	51 47 065
Side footwell trim on the A pillar, right and left	51 47 070
Pedal trim	51 45 185
Trim at the bottom right of the dashboard	51 45 181
Glovebox	51 16 360
Release the door seal at the bottom	---

### 3. Connection diagram



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Branch / Item	Designation	Signal	Cable colour / Cross-section	Connection site in the car	Abbreviation / Slot
A	Retrofit cable	---	---	---	---
A1	8-pin SW socket casing	---	---	On inverter <b>D</b> in passenger side footwell	---
A2	2-pin SW plug casing	---	---	<b>Cars with a footwell light only</b> On plug for the footwell light in the passenger side footwell <b>Cars without a footwell light only</b> Connect to branch <b>A3</b> and tie back	X745
A3	2-pin SW socket casing	---	---	<b>Cars with a footwell light only</b> To footwell light in the passenger side footwell <b>Cars without a footwell light only</b> Connect to branch <b>A2</b> and tie back	---
A4	4-pin SW plug casing	---	---	On plug of the glovebox light	X18336
A5	4-pin SW socket casing	---	---	On glovebox light	---
A6	3-pin SW socket casing	---	---	On right door sill strip <b>C</b>	---
A7	3-pin SW socket casing	---	---	On left door sill strip <b>B</b>	---
A8	Socket contact	IB+	RT/BL 0.5 mm <sup>2</sup>	<b>Cars with a footwell light only</b> Insulate and tie back <b>Cars without a footwell light only</b> On footwell module in driver's footwell	X14260 PIN 35

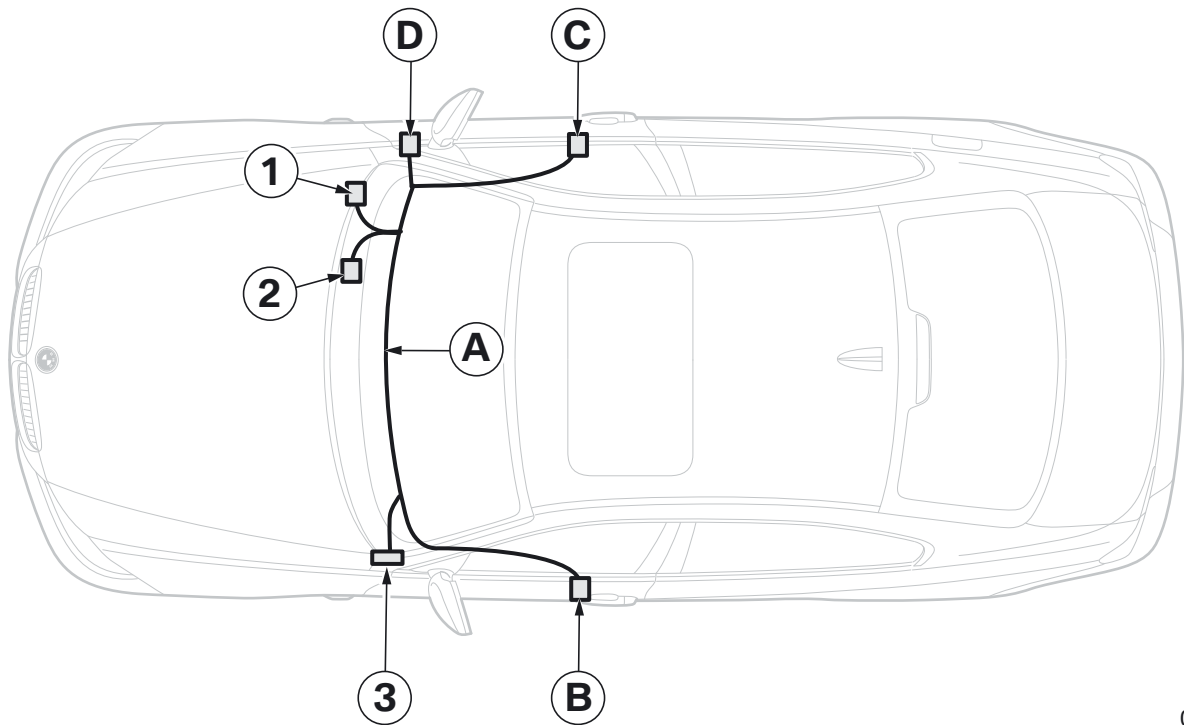


#### Warning - dangerous electrical voltage

Beware of high-voltage components!

Before commencing work, disconnect the negative terminal of the battery and secure against accidental contacting. ◀

## 4. Installation and cabling diagram

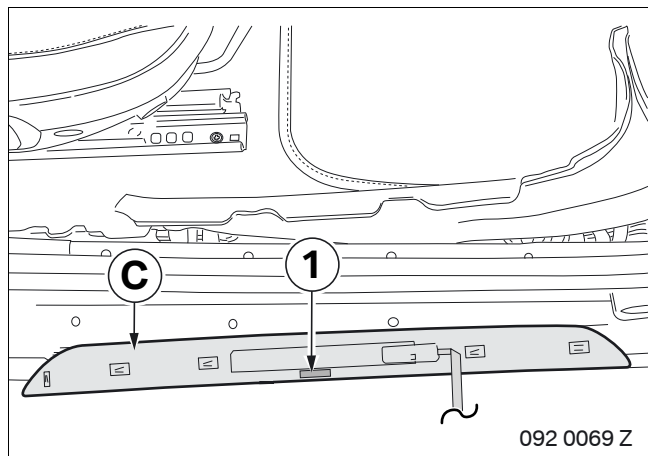


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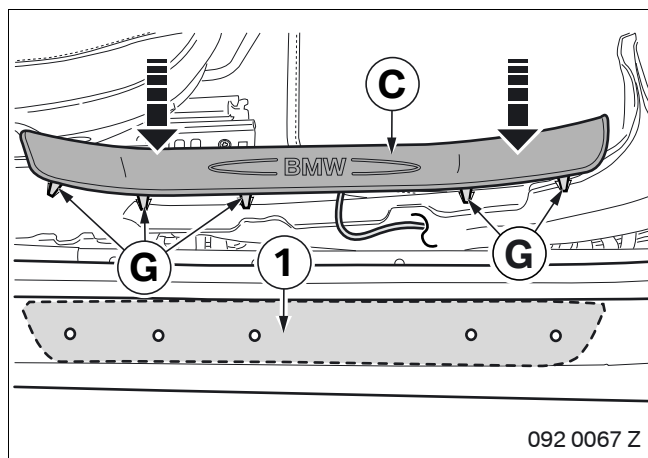
### Legend

- A** Retrofit cable
  - B** Left door sill strip
  - C** Right door sill strip
  - D** Inverter
- 
- 1** Glovebox light, plug **X18336**
  - 2** Footwell light, plug **X745** (cars with a footwell light only)
  - 3** Footwell module, plug **X14260** (cars without a footwell light only)

## 5. To install the door sill strips



Remove the backing foil (1) from the strip of adhesive tape on the back of door sill strip **C**.

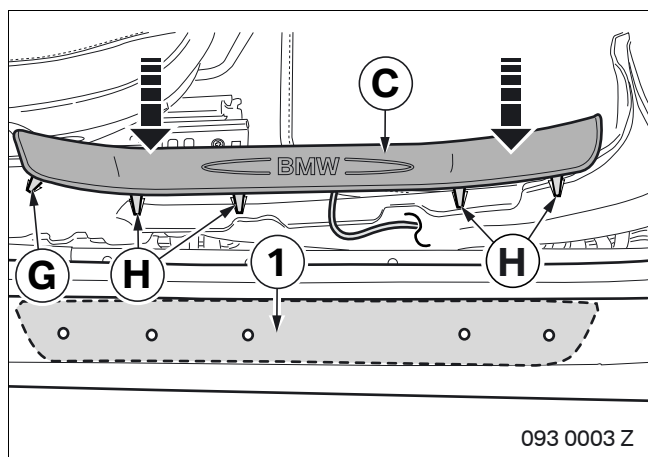


### E92 cars only

Clean the support surface for the door sill strip **C** on the car (free from dust and grease).

**!** Ensure that the cable extension on the ribbon cable is under door sill strip **C**. ◀

Place door sill strip **C** with clips **G** in the centre of the surface (1) and press it down.



### E93 cars only

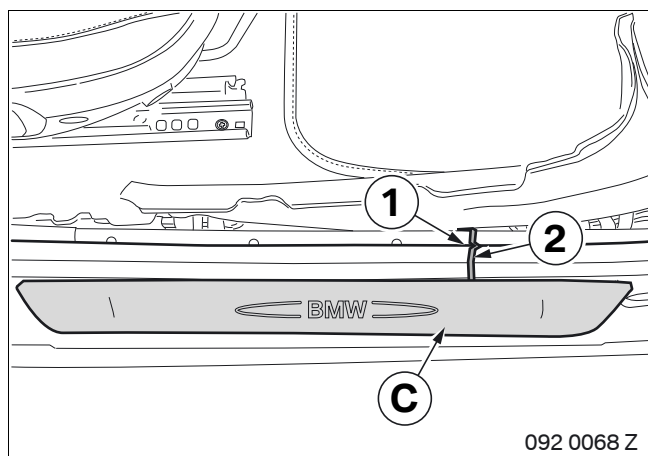
**▣** Note the positions of clip **G** and **H**. ◀

Clean the support surface for the door sill strip **C** on the car (free from dust and grease).

**!** Ensure that the cable extension on the ribbon cable is under door sill strip **C**. ◀

Exchange 4 front clips **G** for clips **H**.

Place door sill strip **C** with clips **G** and **H** in the centre of the surface (1) and press it down.



### All cars

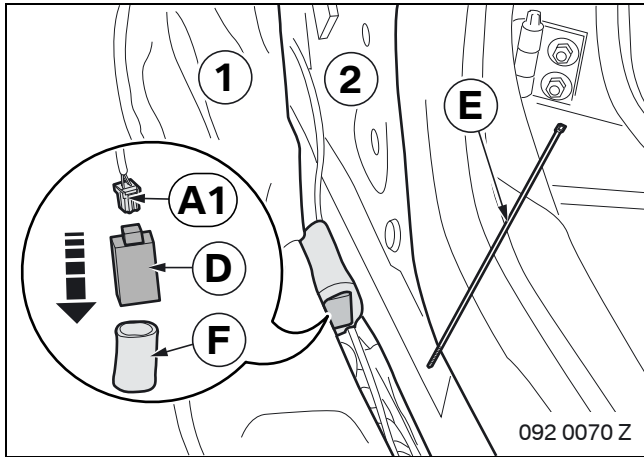
**▣** The door seal must be compressed around the ribbon cable (2) before installation to ensure a perfect seal. ◀

Adjust the ribbon cable (2) for door sill strip **C** to the shape of the sill, route it over the sill fold (1) into the interior of the car and secure it with the adhesive tape.

Install door sill strip **B** in the same way.



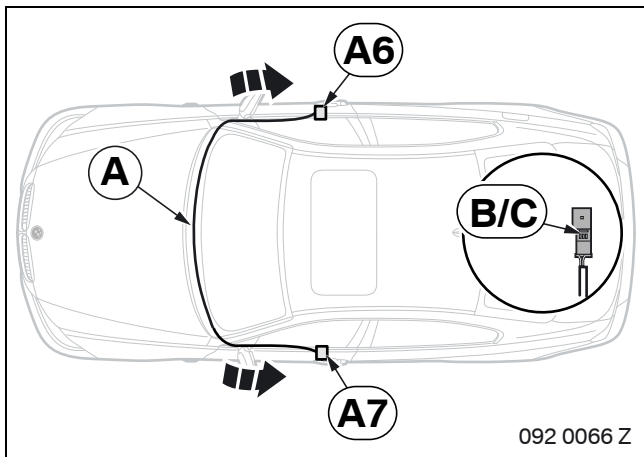
## 6. To install and connect the retrofit cable



Connect branch **A1** (8-pin SW plug) to inverter **D**.

Push protective cover **F** onto inverter **D**.

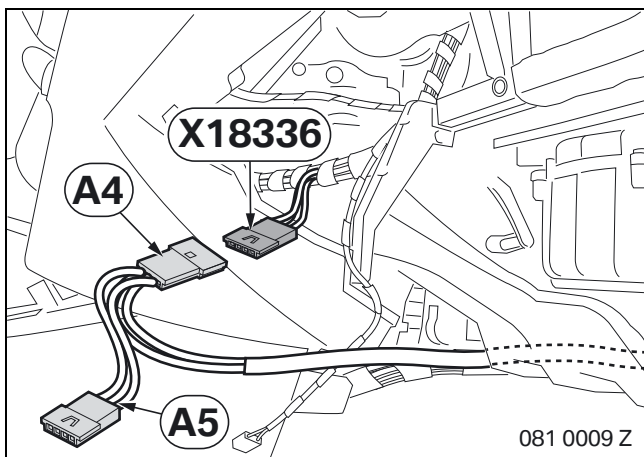
Insert inverter **D** between the carpet (1) and A pillar (2) and secure it to the standard wiring harness using cable tie **E**.



Route retrofit cable **A** along the standard wiring harness as follows:

- Branch **A6** to the right door sill strip
- Branch **A7** to the left door sill strip

Connect branches **A6** and **A7** to the connection cables on door sill strips **B** and **C**.

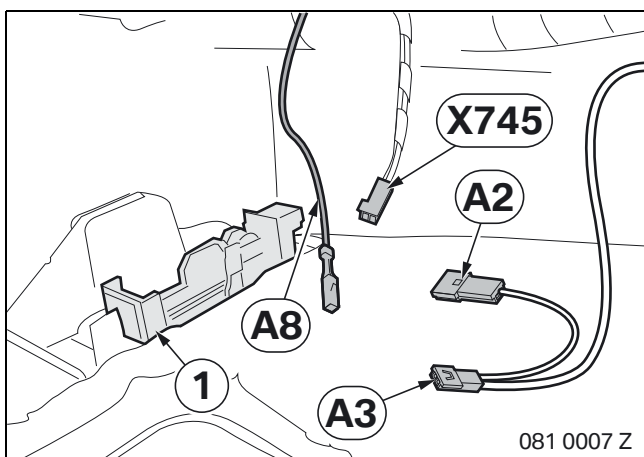


Route branches **A4** and **A5** (4-pin SW) to plug **X18336** (4-pin SW socket casing) of the glovebox light.

Connect branch **A4** to plug **X18336**.

Connect branch **A5** to the glovebox light.

Install the glovebox.



### Cars with a footwell light only

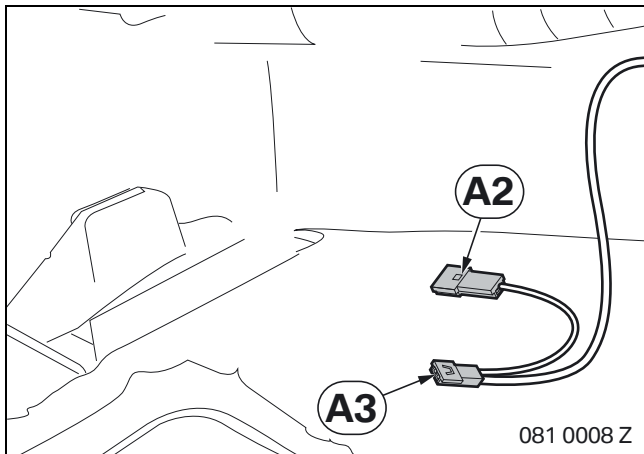
Insulate and tie back branch **A8**.

Route branches **A2** and **A3** (2-pin SW) to the footwell light (1).

Connect branch **A2**, 2-pin SW plug casing, to plug **X745**.

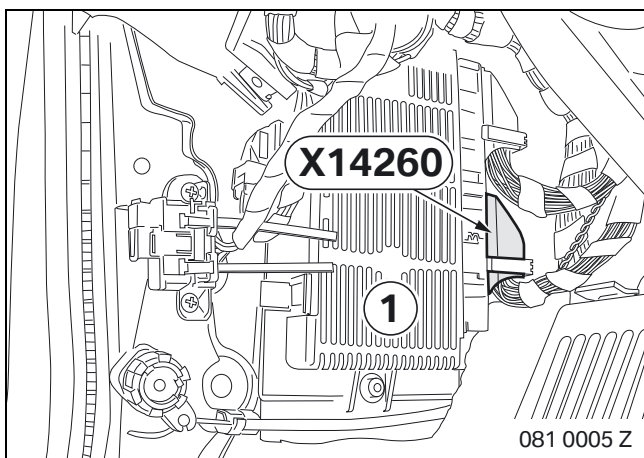
Connect branch **A3**, 2-pin SW socket casing, to the footwell light (1).

## 6. To install and connect the retrofit cable

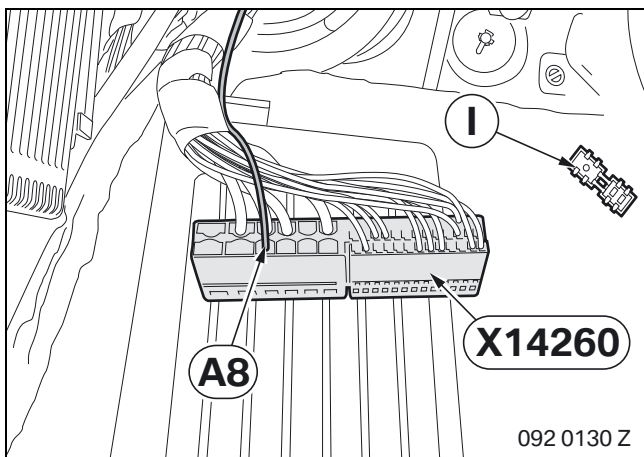


### Cars without a footwell light only

Connect branches **A2** and **A3** together and tie back.



Disconnect plug **X14260**, 51-pin SW socket casing, from the footwell module (1).



▶ If PIN 35, RT/BL cable, on plug **X14260** is already occupied, connect branch **A8** to the cable from PIN 35 using miniature connector **I**. ◀


Route branch **A8** to the A pillar on the left.

Connect branch **A8**, RT/BL cable, to plug **X14260**, PIN 35.

## 7. Concluding work and coding

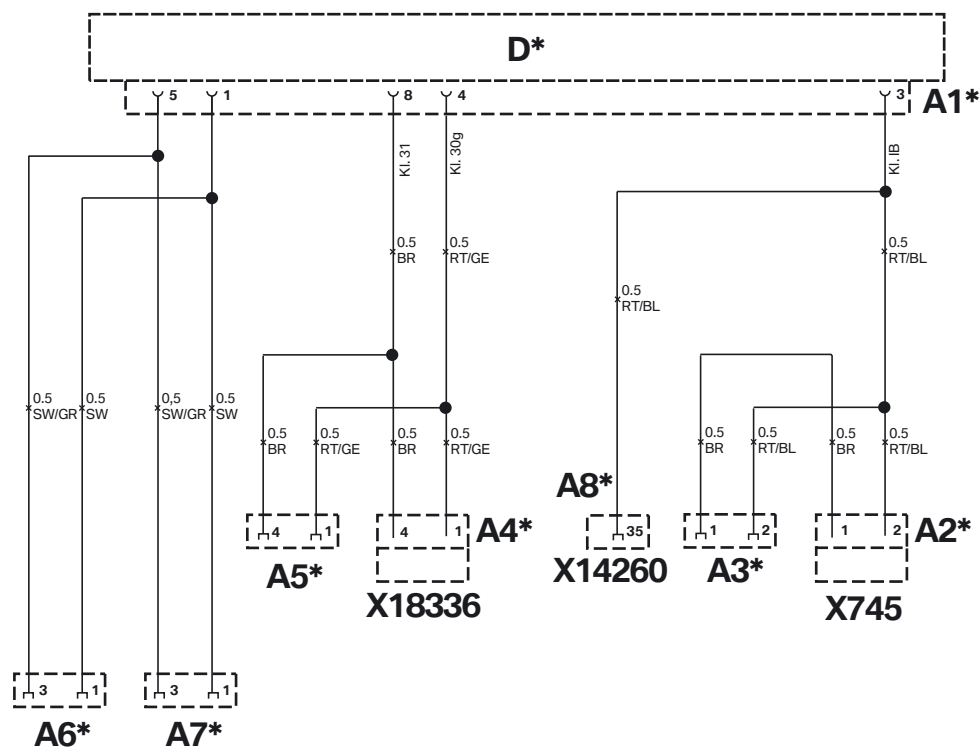
This retrofit system does not require coding.

- Connect the battery

 Turn the interior lights on and off, disconnect the battery, disconnect inverter **D** from branch **A1** and then reconnect it after approx. 2 seconds. ◀

- Reconnect the battery
- Conduct a function test
- Conduct a brief test
- Re-fit the car components as required

## 8. Circuit diagram



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### Legend

- A1\*** 8-pin SW socket casing, on inverter **D\***
- A2\*** 2-pin SW plug casing, on footwell light plug **X745** (cars with a footwell light only)
- A3\*** 2-pin SW socket casing, on footwell light (cars with a footwell light only)
- A4\*** 4-pin SW plug casing, on glovebox light plug **X18336**
- A5\*** 4-pin SW socket casing, on glovebox light
- A6\*** 3-pin SW socket casing, on right door sill strip
- A7\*** 3-pin SW socket casing, on left door sill strip
- A8\*** Socket contact, on footwell module plug **X14260** (cars without a footwell light only)

**D\*** Inverter

- X745** 2-pin SW socket casing
- X14260** 51-pin SW socket casing
- X18336** 4-pin SW socket casing

All the designations marked with an asterisk (\*) apply only to these installation instructions or this circuit diagram.

### Cable colours

- BL Blue
- BR Brown
- GE Yellow
- GR Grey
- RT Red
- SW Black