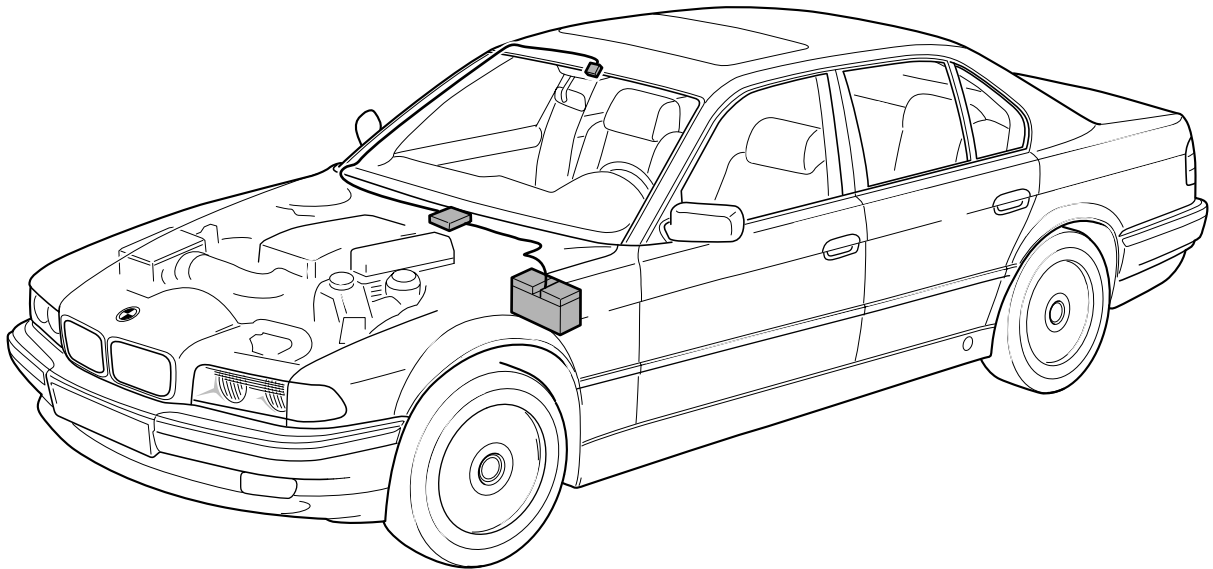




# Teile und Zubehör – Einbauanleitung



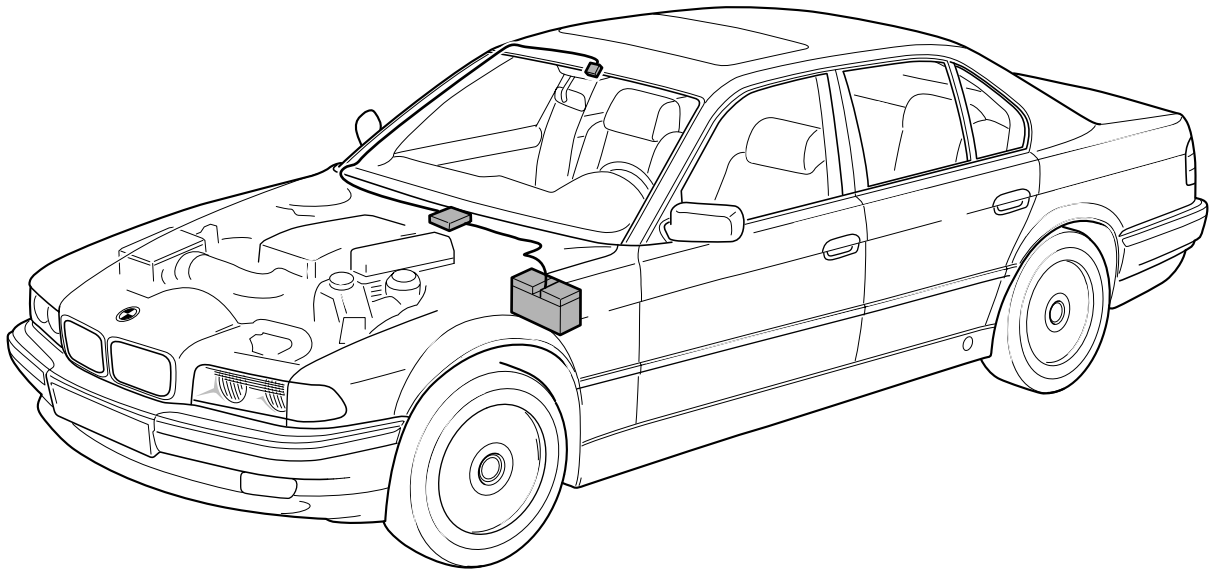
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## **Retrofitting of park heating** **BMW 7 series (E38) with M57 engine from 3/9**



# BMW Parts and Accessories Installation Instructions



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## **Retrofitting of park heating** **BMW 7 series (E38) with M57 engine from 3/9**

Installation time approx. 1.5 hours, which can vary according to the condition and fittings of the vehicle.

Retrofit / Installation kit no. 82 30 0 024 303

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## Important notes

The retrofitting kit is only intended for use in the BMW trading organisation.

Do not bend or damage cables when laying, as this could lead to faults which will require extensive subsequent work to localise. BMW will not pay the costs incurred.

If the given pin spaces are already assigned, bridges, double crimping or parallel connections will have to be made.

After installation, retrofitting of the park heating with DIS or MoDiC must be coded via the path - **retrofitting**.

## Target group

These installation instructions are aimed at specialist staff trained on BMW vehicles with a specialist knowledge of vehicle electrics.

### Area of responsibility:

At to carry out all maintenance, repair and installation work on BMW vehicles on their own responsibility.

All work is to be carried out using current BMW

- repair instructions

- circuit diagrams

in a rational sequence with the prescribed tools (special tools) and taking into account the relevant safety regulations.

## Notes on operation

Running the park heating places a load on the car battery. To avoid starting problems and to stabilise the vehicle's electrical system, we recommend that the vehicle is moved sufficiently whilst the park heating is in use so that the battery is always sufficiently charged.

Recommendation: 30 minutes of park heating operation = 30 minutes driving.



Danger of poisoning. The park heating may not be operated in enclosed spaces such as garages or workshops (not even with a timer or using radio remote control).

The park heating must be turned off in service stations and/or refuelling plants. ◀

## Tools and equipment required

Set of slotted screw drivers

Set of recessed-head screw drivers

Set of Torx wrenches

Hand-held lamp

Set of hollow hexagon wrenches

1/4 inch changeover ratchet spanner

Crimp pliers for AMP contacts

Side cutter

DIS or MoDiC

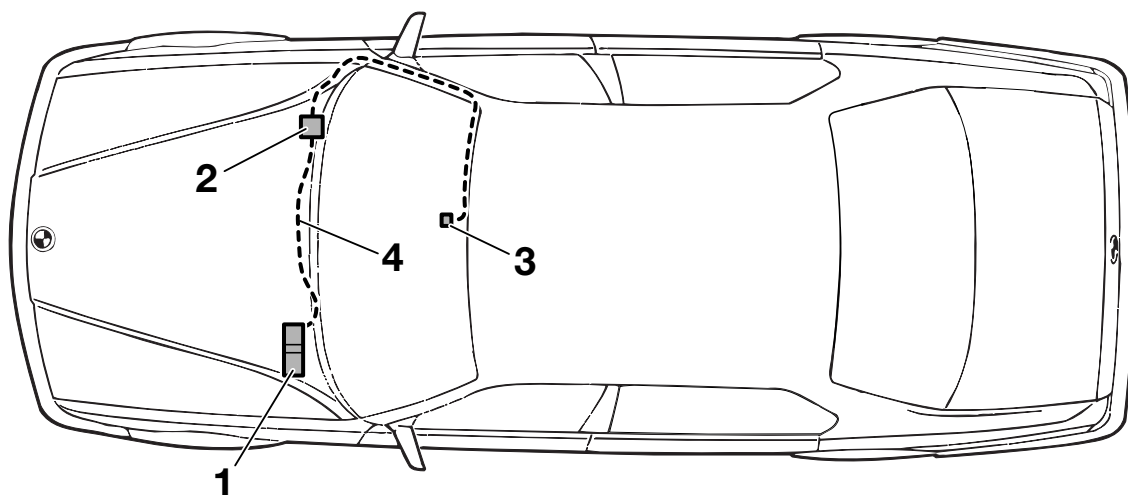
Corner drilling machine

Set of spiral drill bits

1. Preliminary work

	TIS AW no.
<b>Carry out short test</b>	
Disconnect minus pole of battery	12 00 ...
<b>The following should be removed first:</b>	
Glove compartment	
Basic module	
Joint connector box behind glove compartment	
A-pillar trim on right	53 43 201
Foot lever trim panel	
Centre console side trim	
Wheel housing trim, front left	

## 2. Installation and cabling diagram

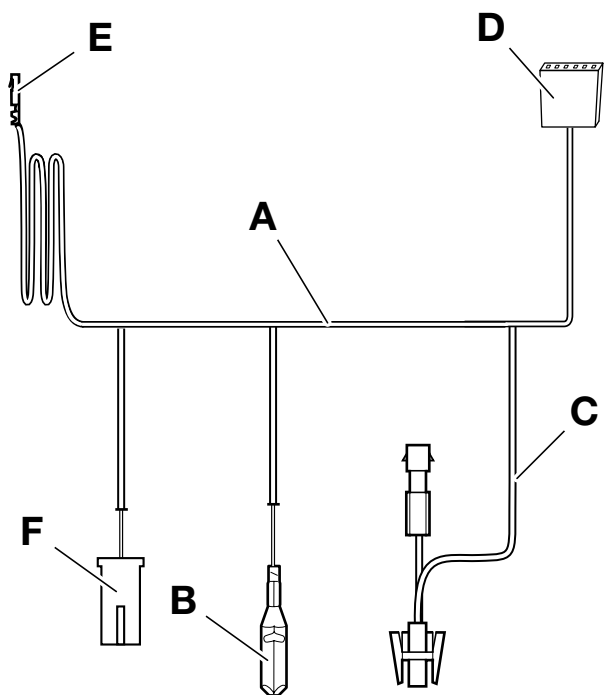


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### Key

- 1. Park heating unit
- 2. Radio receiver
- 3. Adhesive antenna
- 4. Cabling for park heating

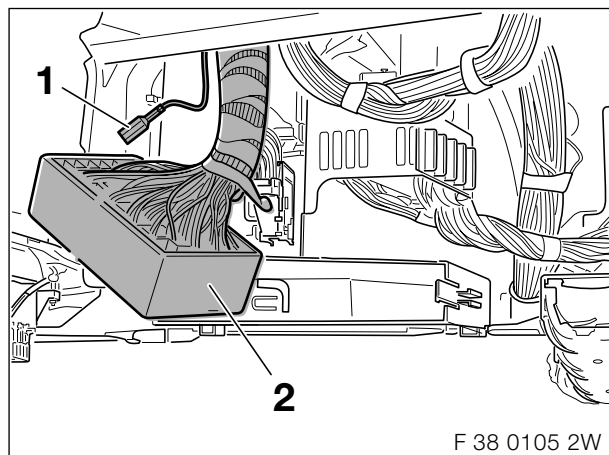
### 3. Connection diagram, park heating cabling



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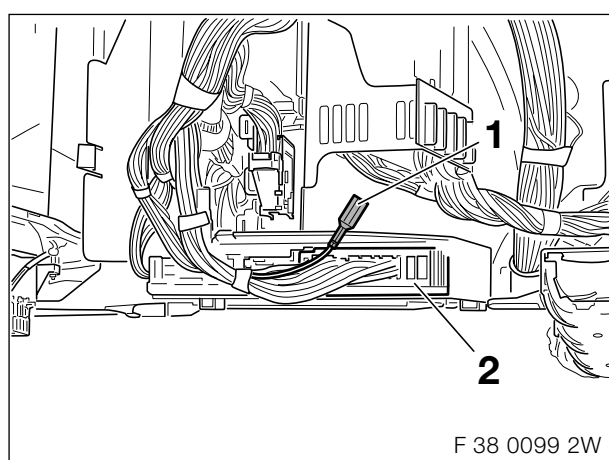
Item	Designation	Signal	Cable colour /cross-section	Connection point in the vehicle	Code designation/ position
A	Cables for park heating	—	—	—	—
B	Flat plug contact	Earth	brown/black, diam. 0.5 mm <sup>2</sup>	At joint connector behind the glove compartment	X596
C	Double connector	Terminal 30	red/ yellow, diam. 0.5 mm <sup>2</sup>	At basic module A1, black 20-pole plug In the area behind the glove compartment at the receiver for the	X254 PIN 4
D	Socket housing 6-pole	—	—	A128 radio remote control At the A14 park heating unit, 6-pole	X18830
E	Flat plug contact	STH on	white/ green diam 0,5 mm <sup>2</sup>	black plug Branch not required, bind back branch	X764 PIN 1
F	Socket housing 4 pole	—	—		X10130

#### 4. Installing and connecting the wiring for the park heating

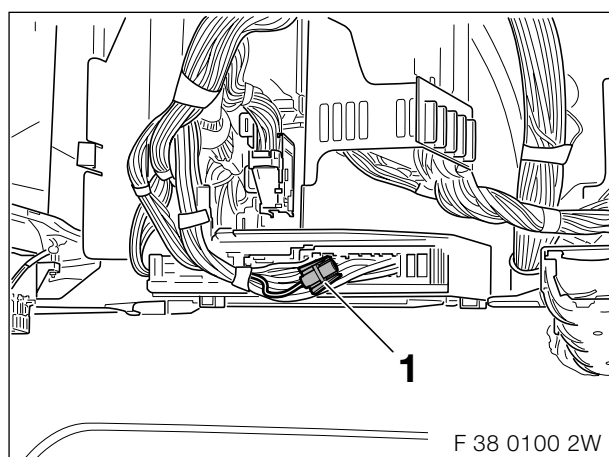


Connect **B** (1), cable colour brown/black, at the joint connector X596 in the joint connector box (2).

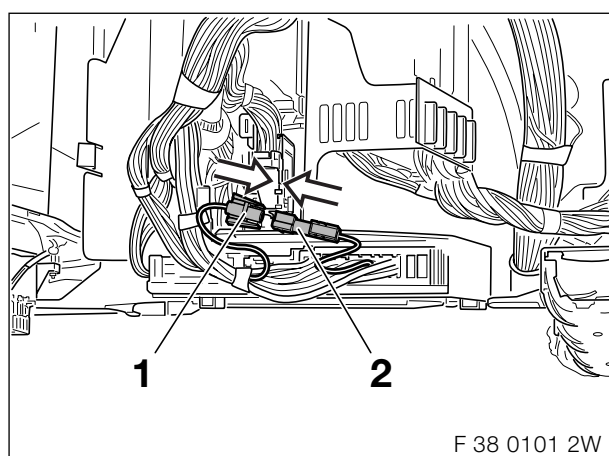
Move branch **C** to plug X254 at the basic module **A1**.



Pin out red/grey wire (1) at plug X254 (2) PIN 4.



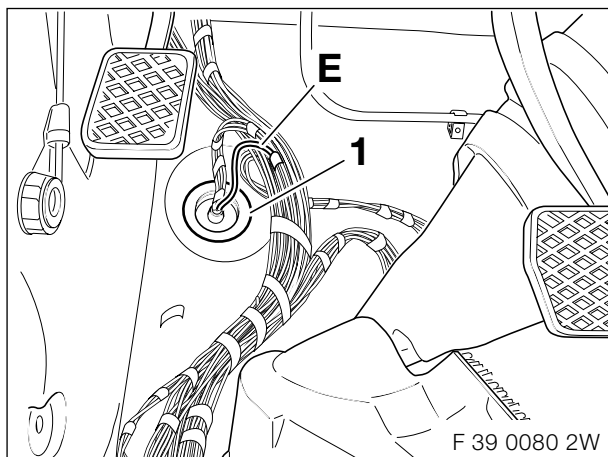
Provide socket contact of red/grey wire with socket contact housing (1).



Remove socket contact housing from branch **C** and pin in at the free PIN 4 of the plug X254. Combine the pin contact of the branch **C** (2) and socket contact (1), cable colour red/ grey. Move branches **E** and **F** to the left behind the heating /air-conditioning unit.

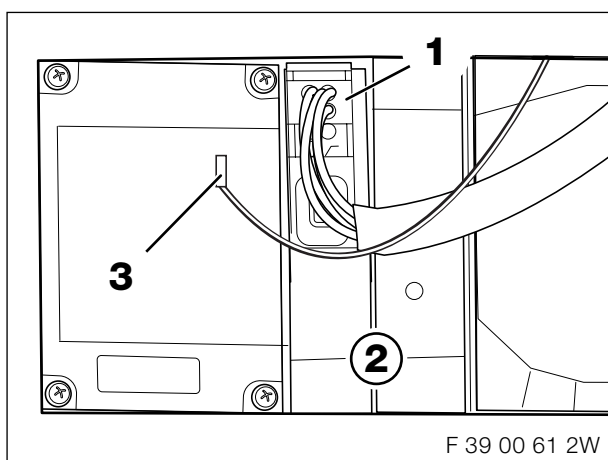


#### 4. Installing and connecting the wiring for the park heating

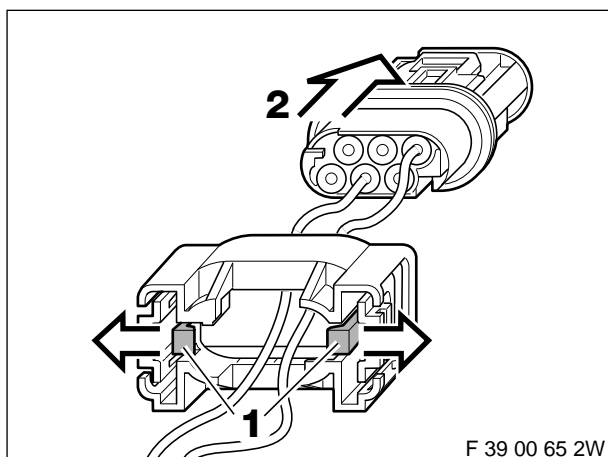


Branch **F** is not required; insulate branch and tie back. ◀

Pull branch **E** through the rubber grommet (1) to the outside.

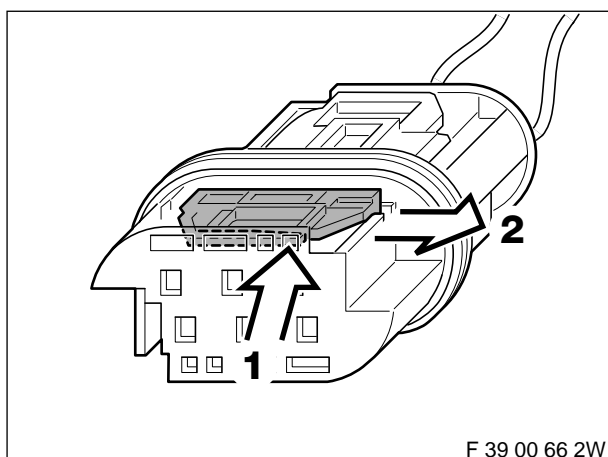


Pull plug X764 (1) out of the park heater (2). Move branch **E** (3), cable colour white/green, to the plug X764 (1).



Unlock plug X764 as follows:

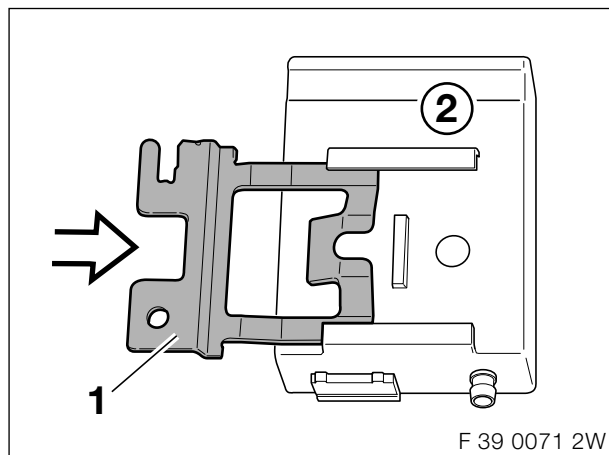
- Step 1: Carefully push holding lugs outwards.
- Step 2: Pull plug housing out.



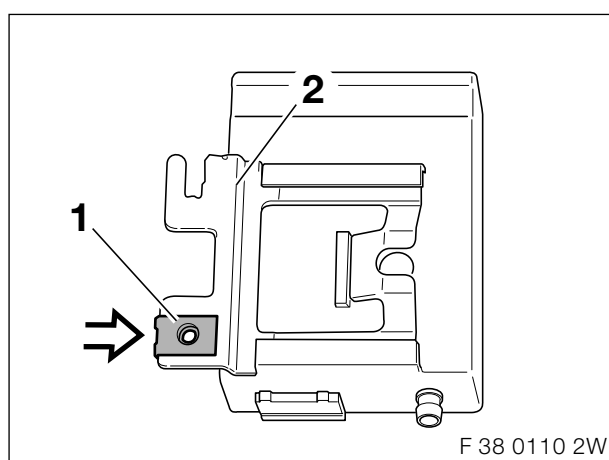
- Step 3: Press in locking unit.
- Step 4: Push fuse aside.

Insert branch **E**, cable colour white/green, in PIN 1. Reassemble plug and replace on the park heating unit.

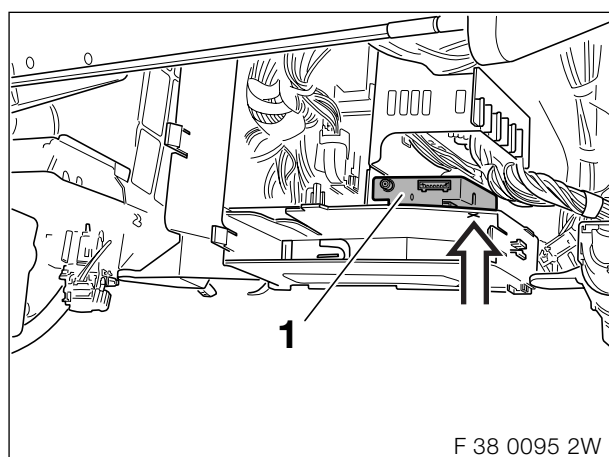
## 5. Installing the radio remote control components



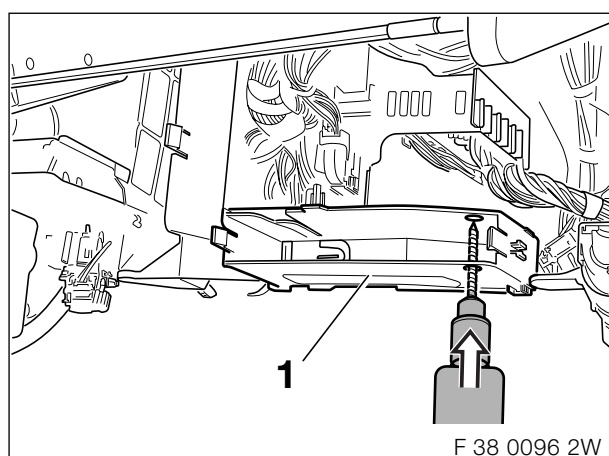
Push holder (1) onto the radio receiver (2).




Push metal nut (1) onto holder (2).



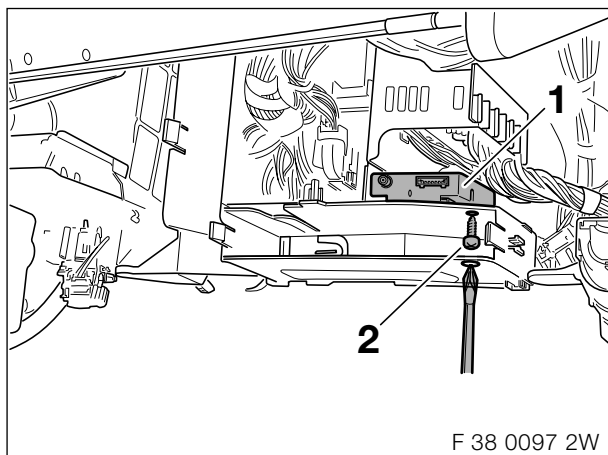
Hold radio receiver (1) against control device carrier and mark drill spot.



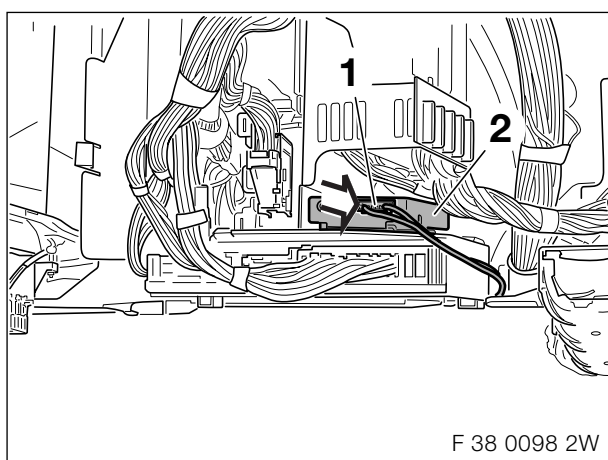
Drill through the marked point on the control device carrier (1) with a spiral bit diam. 4.5 mm as shown.

 It may be necessary to use an angle drill to drill the hole. ◀

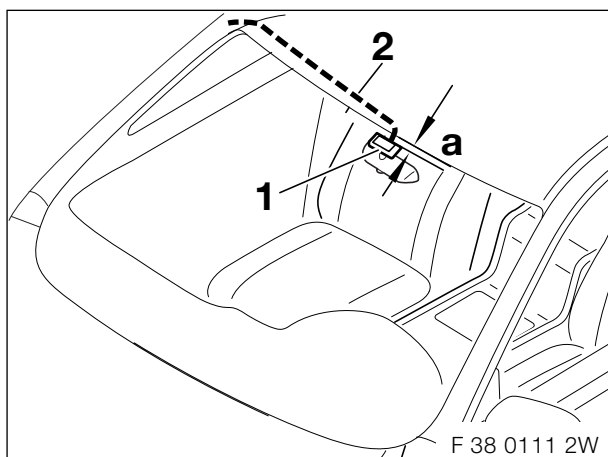
## 5. Installing the radio remote control components



Screw on radio receiver (1) using metal screw (2).

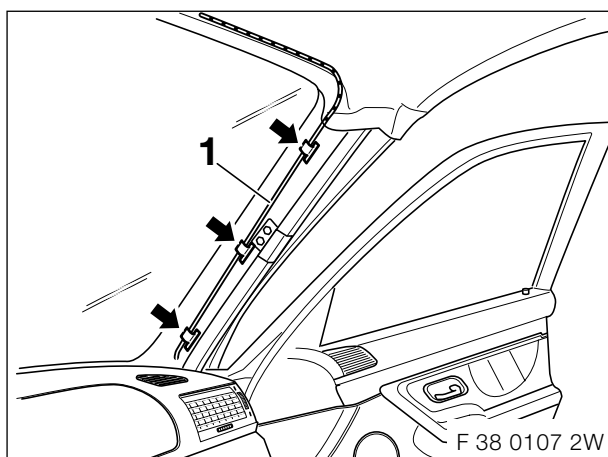


Place branch **D** (1) on radio receiver (1).



Clean front windscreen in adhesion area. When sticking on the antenna (1), the windscreen should be at a temperature of at least 20°C. The antenna should not be affixed where the driver can see it. ◀

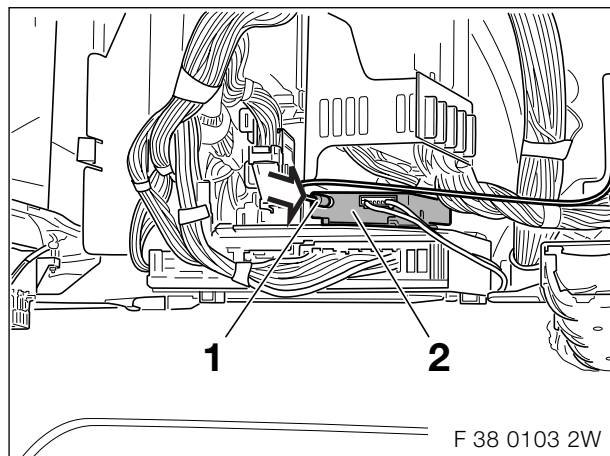
Stick antenna (1) onto the front windscreen at a distance *a* (max. 25 mm) from the windscreen frame. Take the antenna wire (2) under the roof to the right-hand A-pillar.



To avoid disturbing the ITS head airbags, the antenna wire must be fixed with the cable clips enclosed. ◀

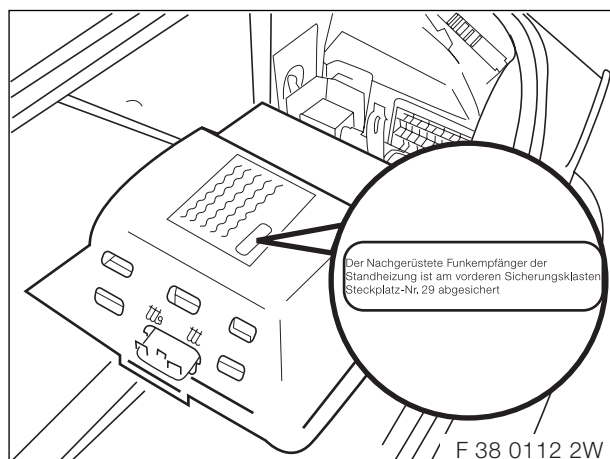
Stick the cable holders onto the right-hand A-pillar as shown. Clip the antenna wire (1) into the clips and lay as far as the place where the radio receiver is installed.

## 5. Installing the radio remote control components



Attach antenna cable (1) to radio receiver (2).

## 6. Finishing off and coding



Stick the attached label onto the right-hand flap in the boot.

Attach vehicle battery.

Code park heating with DIS or MoDiC via the path - **Retrofitting** -.

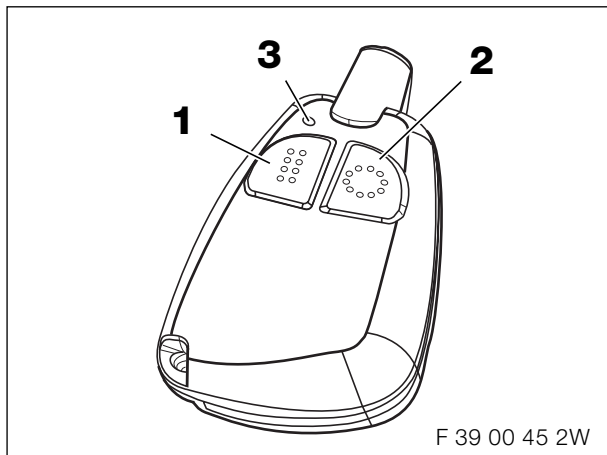
Check that the park heating is working.

Reassemble vehicle in reverse order to that described above.

## 7. Operating the park heating



Operating the park heating using the vehicle computer or vehicle monitor is described in the vehicle Instruction Manual which should therefore be consulted for this purpose. ◀



The section - Operation - is described again separately for customers. Please cut this out and attach it to the vehicle documentation. ◀

### Programming the hand-held transmitter

- Pull the fuse F29 out of the fuse holder
- Wait at least 5 seconds
- Replace fuse F29
- Within 5 seconds, press the OFF button (2) on the hand-held transmitter for at least 1 second.
- Programming is completed.



Up to three hand-held transmitters can be programmed for the radio receiver. ◀

### Switching on the park heating

- Press ON button (1) on the hand-held transmitter for at least 1 second
- The LED (3) lights up briefly during transmission and then flashes whilst it is switched on.

### Switching off the park heating

- Press the OFF button (2) on the hand-held transmitter for at least 1 second.
- The LED (3) lights up briefly during transmission.



If the range seems to be decreasing, replace the batteries (type MN 21) in the hand-held transmitter. ◀

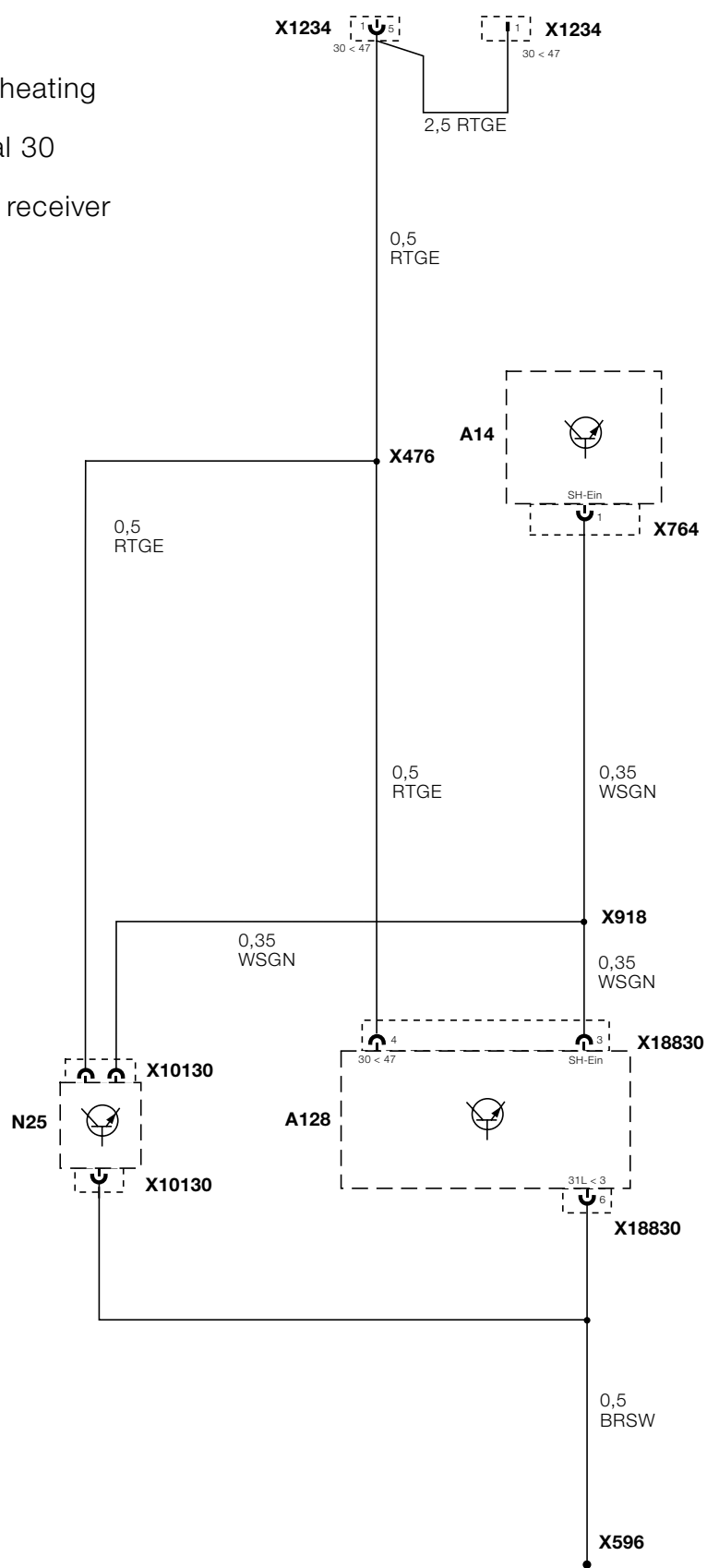
## 8. Circuit diagram for E38 park heating with M57 engine

### Key

A 14	Control device for park heating device
A128	Radio receiver park heating
X596	Earth
X764	Black plug on park heating device 6-pole
X1234	Connection, terminal 30
X18830	Black plug on radio receiver 6-pole

### Cable colours

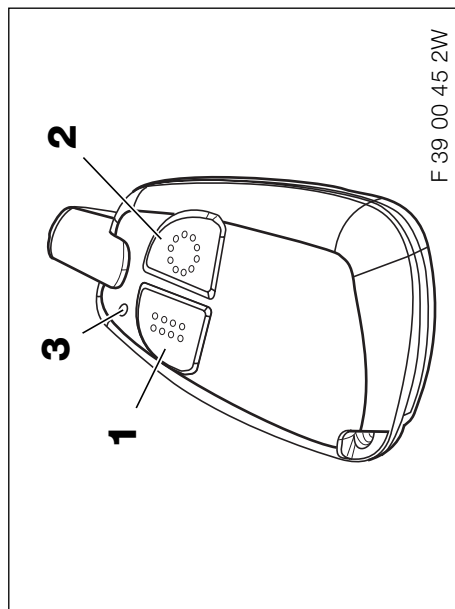
RT	red
SW	black
GN	green
BR	brown
GE	yellow
WS	white



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The fuse for the retrofitted radio receiver  
for the park heating is located in the front  
fuse box, location number 29.

F 38 0108 2W

Originalschablone liegt dem Teilesatz bei.  
Original template enclosed with the parts kit.  
Le gabarit original est fourni avec l'ensemble des pièces.  
De originele mal bevindt zich in de onderdelenset.  
Originalschablon ingår i delsatsen.  
La maschera originale è acclusa al kit di montaggio.  
El juego de piezas incluye la plantilla original.  
O molde original é fornecido juntamente com o conjunto de peças.