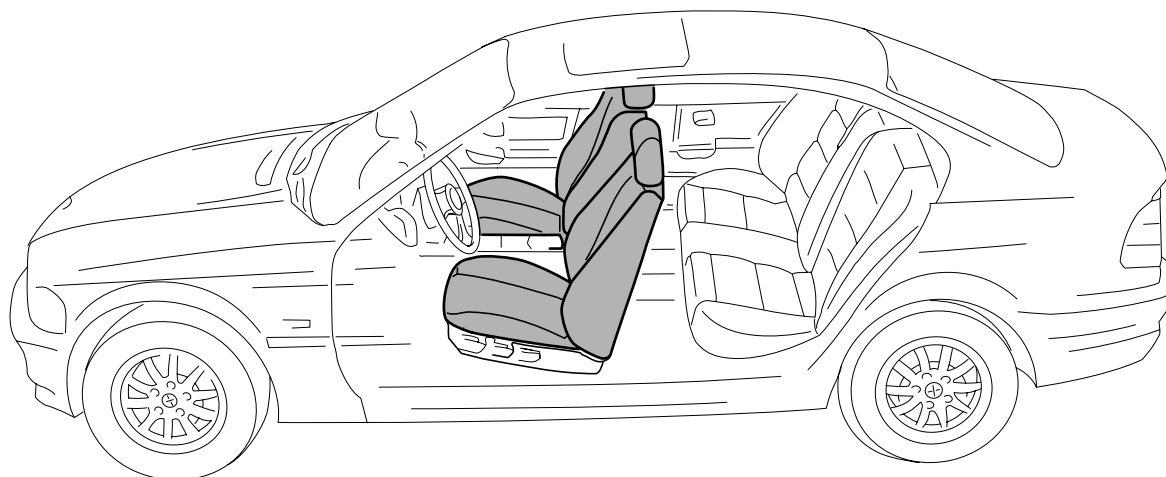




BMW Parts and Accessories Installation Instructions



F 46 0514 2W

Seat heating system, front for the BMW 3 Series Coupé, touring, Saloon and compact (E 46/2/3/4/5) LHD and RHD models.

The installation time is approx. 3.5 hours, but this may vary depending on the condition of the car and the equipment in it.

Retrofit/Installation kit No. 61 11 0 026 888

61 11 0 026 890

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Important information

The specified installation time only refers to the installation and connection work for the wiring harnesses. The installation of the heating elements is identical to the work described in "To replace the seat cover for the left or right front seat." The work involved in this procedure must be charged separately and is to be taken from the customer service data.

Ordering instructions

For cars built before 09/99 without a switch centre the required module holder must be ordered separately (see EPC for order number). Ensure that you order the correct version.

Target group

The target group for these installation instructions are staff who have been trained on BMW cars with specialist knowledge of body electrical systems.

Work:

All servicing, repair and installation work on BMW cars is completed on your own responsibility.

All the work is to be completed with the help of current BMW

- Repair manuals,
- Circuit diagrams,

in a rational order using the specified tools (special tools) and in compliance with current health and safety regulations.

Installation note

All the work is shown on a LHD model. Proceed in the same way on the opposite side on RHD cars.



This retrofit kit is not coding-relevant. ◀



Use the proper torque values for screw connections. The required torque values are shown in the Parts Information System (TIS). ◀

Tools and equipment required

MoDiC or DIS
Set of straight slot screwdrivers
Set of 1/2" sockets
Set of 1/2" Torx sockets
Set of Philips screwdrivers
Set of open-ended/ring spanners
Torch
Angle cutter
Insulating tape
Special tool 52 0 050

1. Preparations



Refer to the safety regulations for handling airbag modules and pyrotechnic belt tensioners, see HG-72.

Incorrect handling may result in the pyrotechnic belt tensioner or side airbag being deployed, which may cause injury.

Switch off the ignition.

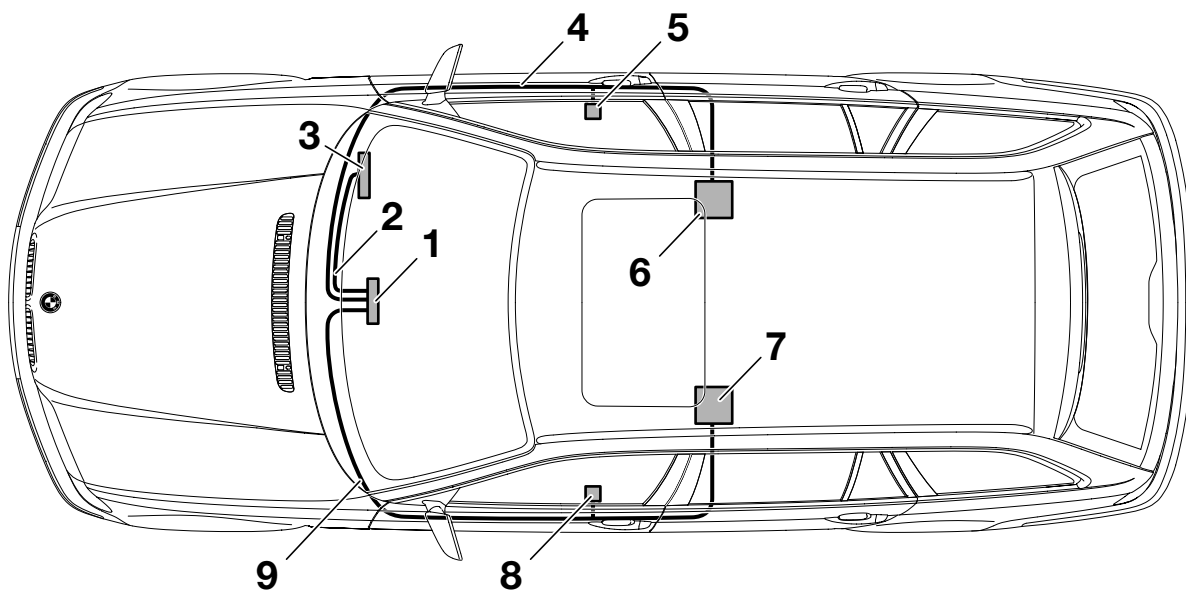
The seats are a major part of the life-saving BMW restraint system. All repair and setting work on the seats should therefore be conducted with extreme care and attention. ◀



The specified TIS AW numbers refer to the standard, manual front seats. Complete the appropriate procedures if the car has sports or electrical front seats. ◀

	TIS AW-No.
Conduct a brief test	
Disconnect the negative pole of the battery	12 00 ...
The following components must be removed initially:	
Support for the oddments box in the centre console	51 16...
Pedal trim	51 45 185
Glove compartment	51 16 360
Internal front door sill strips on both sides	51 47 000
Both front seats	51 13 000
Replace the seat covers for both front seats	52 13 400
Replace the backrest cover for both front seats	51 13 405

2. Installation and wiring diagram

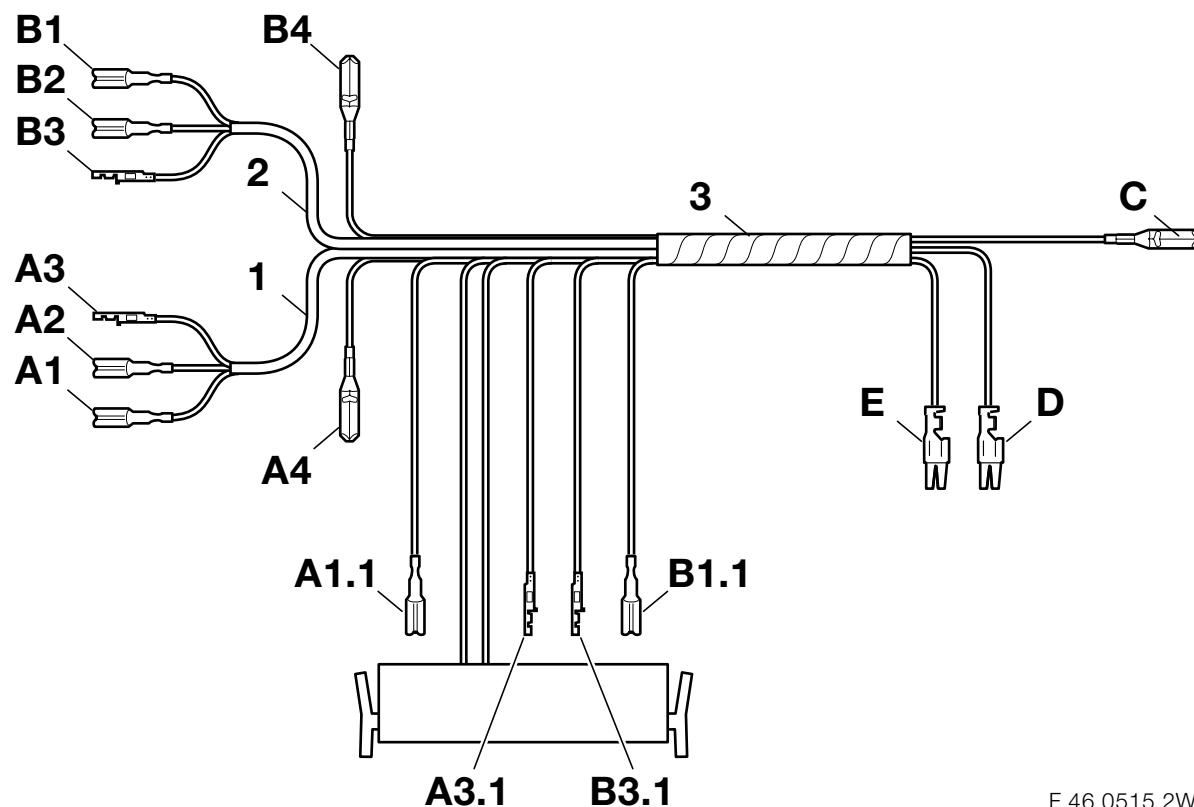


F 46 0500 2W

Legend

- 1 Switch centre
- 2 Power supply wiring harness
- 3 Fuse holder / K bus joint connector
- 4 Seat heating system, right, wiring harness
- 5 Earth connection point
- 6 Seat heating system, right
- 7 Seat heating system, left
- 8 Earth connection point
- 9 Seat heating system, left, wiring harness

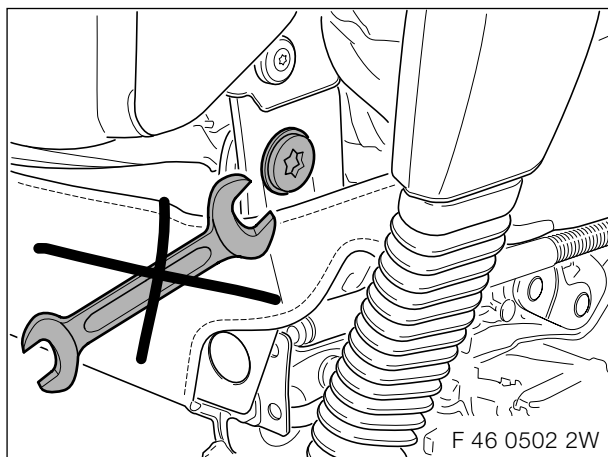
3. Connection diagram for the seat heating system wiring harnesses



F 46 0515 2W

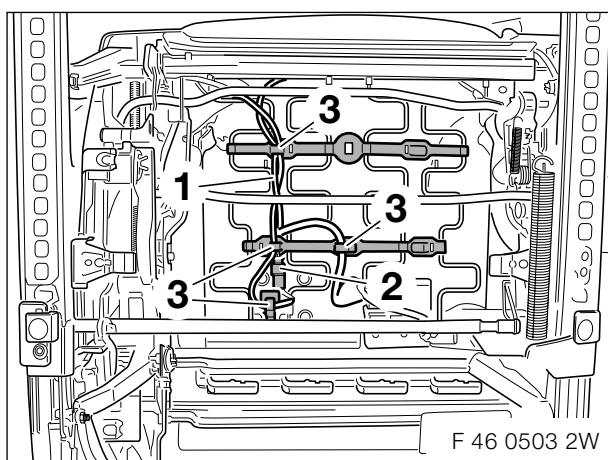
Item	Description	Signal	Cable colour/ Cross-section	Connection site in the car	Abbreviation/Slot
1	Wiring harness left seat	—	—	—	—
2	Wiring harness right seat	—	—	—	—
3	Power supply wiring harness	—	—	—	—
A1	Blade terminal contact	Seat heating ON	GN/VI, 2.5 mm ²	Under the driver's seat	Plug X275, PIN 25
A2	Blade terminal contact	Earth	BR, 2.5 mm ²	Under the driver's seat	Plug X275, PIN 24
A3	Socket contact	Temperature	WT/GN, 0.35 mm ²	Under the driver's seat	Plug X275, PIN 23
A4	Blade terminal contact	Earth	BR, 2.5 mm ²	On the left side skirt	Joint connector X173
A1.1	Blade terminal contact	Seat heating ON	GN/VI, 2.5 mm ²	On the switch centre	X1869, PIN 13
A3.1	Socket contact	Temperature	WS/GN, 0.35 mm ²	On the switch centre	X1869, PIN 21
B1	Blade terminal contact	Seat heating ON	GN/YE, 2.5 mm ²	Under the passenger seat	X279, PIN 25
B2	Blade terminal contact	Earth	BR, 2.5 mm ²	Under the passenger seat	X279, PIN 24
B3	Socket contact	Temperature	WT/BL, 0.35 mm ²	Under the passenger seat	X279, PIN 23
B4	Blade terminal contact	Earth	BR, 2.5 mm ²	On the right side skirt	Joint connector X490
B1.1	Blade terminal contact	Seat heating ON	GN/YE, 2.5 mm ²	On the switch centre	X1869, PIN 1
B3.1	Socket contact	Temperature	WT/BL, 0.35 mm ²	On the switch centre	X1869, PIN 20
C	Blade terminal contact	K-bus	WT/RD/YE, 0.35 mm ²	On the fuse box	Joint connector X10116
D	Blade terminal contact	Terminal 30	RD/VI, 0.75 mm ²	On the fuse box	Fuse holder A46, slot No. F42
E	Blade terminal contact	Terminal R	VI/BL, 4 mm ²	On the fuse box	Fuse holder A47, slot No. F12

4. To prepare the seats



In no circumstances may the screw below the Torx screw for securing the backrest be undone. This will destroy the seat frame. ◀

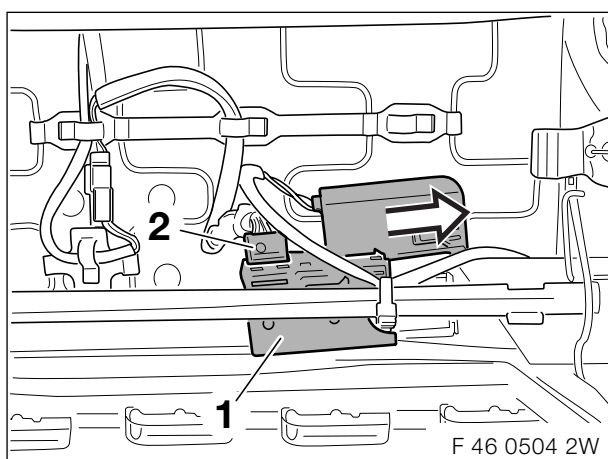
Install the heating elements as described in the TIS.



Complete the following work on both seats:

Install the connection cable (1) as shown and place it in the mountings (3).

Connect the plugs (2) for the heating elements.

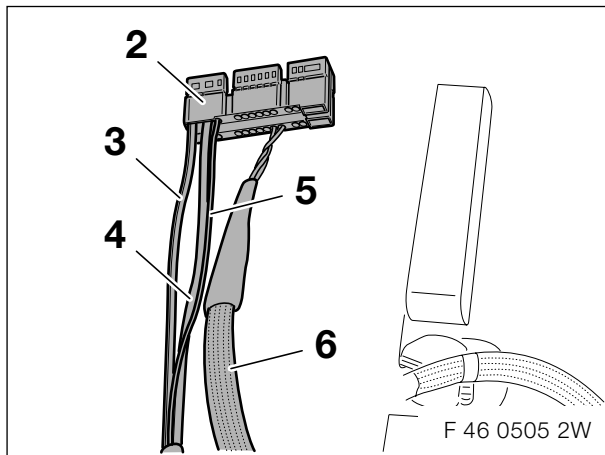


Release the plug (1).

Insert the plug (2) for the heating elements.

Lock the plug (1) again.

5. To install the wiring harnesses



Connect the seat heating system wiring harness (1) into the plugs (2) X275 or X279 as follows:

Driver's side:

Connect branch

A1 (3), green/violet cable, to PIN chamber 25

A2 (4), brown cable, to PIN chamber 24

A3 (5), white/green cable, to PIN chamber 23.

Passenger side:

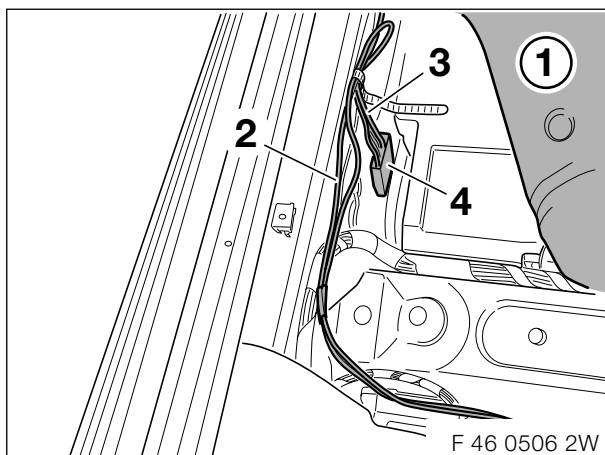
Connect branch

B1 (3), green/yellow cable, to PIN chamber 25

B2 (4), brown cable, to PIN chamber 24

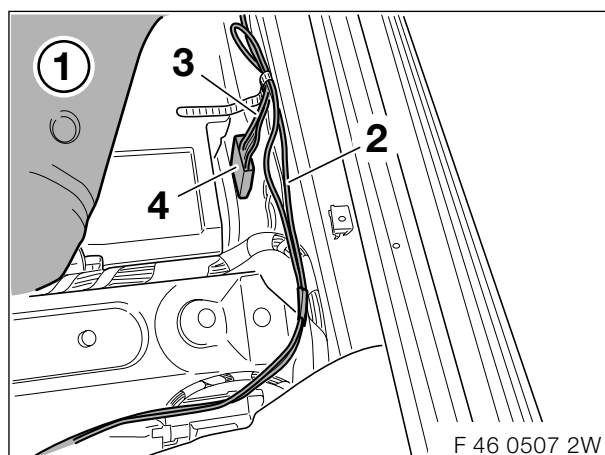
B3 (5), white/blue cable, to PIN chamber 23.

Secure the seat heating system wiring harnesses (1) to the seat wiring harness (6) using insulating tape.



Pull back the carpet (1) below the driver's seat. Lay the seat heating system wiring harness (2) along the side skirt to the front and then to the centre console.

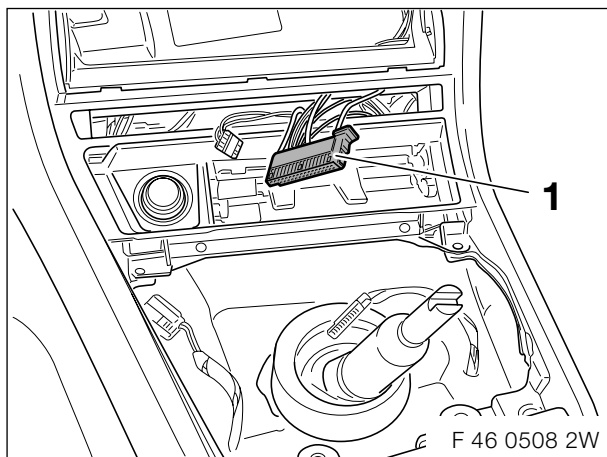
Connect branch **A4** (3), brown cable, into the joint connector (4) X173.



Pull back the carpet (1) below the passenger seat. Lay the seat heating system wiring harness (2) along the side skirt to the front and then to the centre console.

Connect branch **B4** (3), brown cable, into the joint connector (4) X490.

5. To install the wiring harnesses



If the car already has a switch centre, reconnect the connections of the wiring harness in the existing plug (1) X1869. ◀

Connect the wiring harness into the plug (1) X1869 as follows:

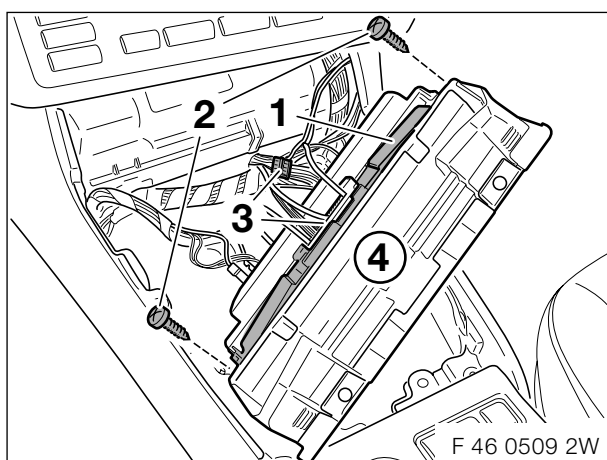
Connect branch

A1.1, green/violet cable, in PIN chamber 13

A1.3, white/green cable, in PIN chamber 21

B1.1, green/yellow cable, in PIN chamber 1

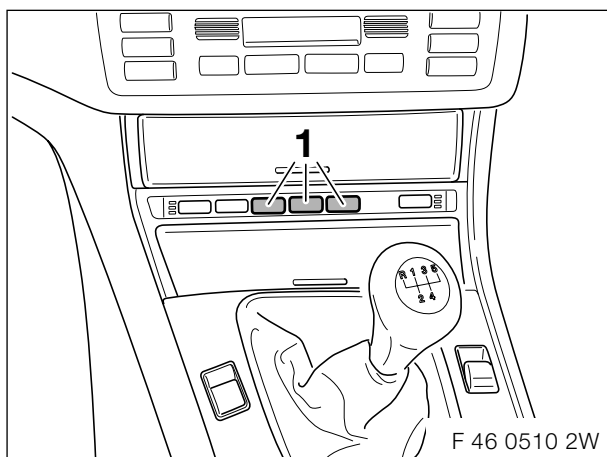
B1.3, white/blue cable, in PIN chamber 20.



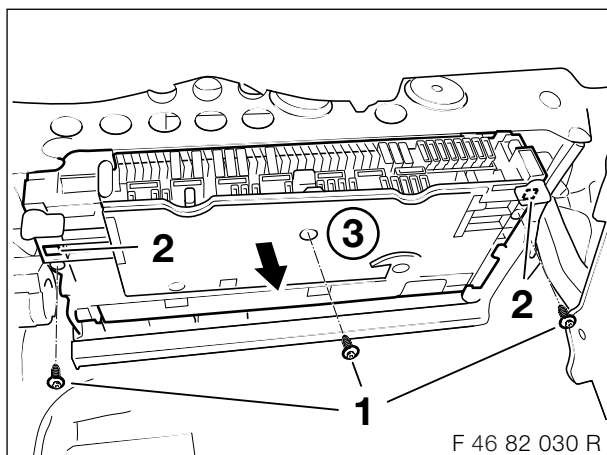
Push the switch centre (1) into the module holder (4) from the rear, lock it and secure it with the fillister head screws (2) supplied in the installation kit.

Connect the plug strips (3).

Install the module holder (4) again.



If there is no switch, remove the special equipment with the caps (1) supplied.



Release the fuse box **A46** (3).

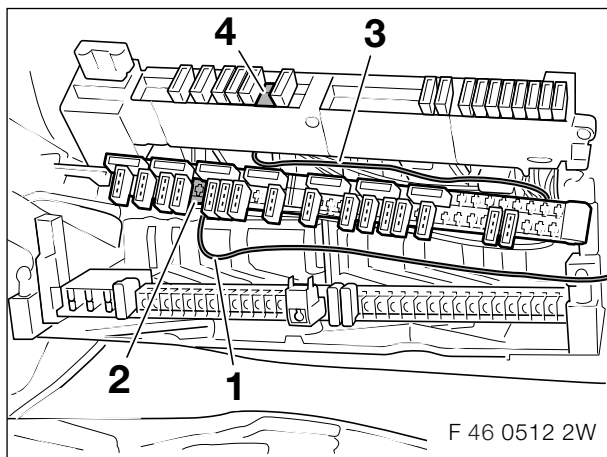
Undo the Torx screws (1). Release the locks in the recesses (2) with a small straight slot screwdriver. Remove the fuse box **A46** (3) in the direction indicated by the arrow.



As you take out the fuse box **A46** (3) the blade terminal fuses on the bottom row of slots will fall out.

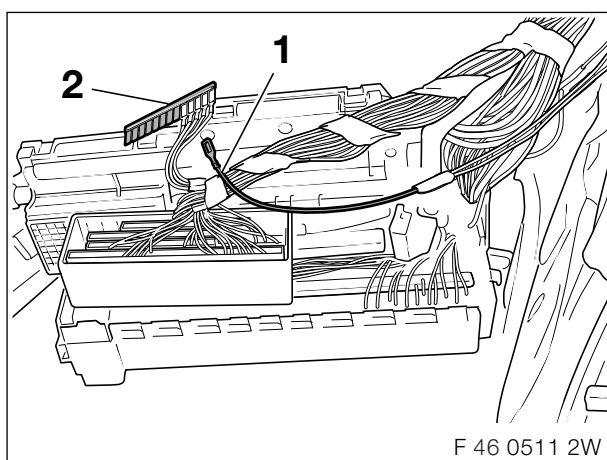
Ensure that all the blade terminal fuses are reinserted in the appropriate slots. ◀

5. To install the wiring harnesses



Release the plug strips on the fuse holders.
Connect branch (1) **D**, red/violet cable, to fuse slot F42 (2).
Connect branch (3) **E**, violet/blue cable, to fuse slot F12 (4).
Assemble the fuse box again.

Insert a 30 A blade terminal fuse into fuse slot F42 (2).
Insert a 7.5 A blade terminal fuse into fuse slot F12 (4).



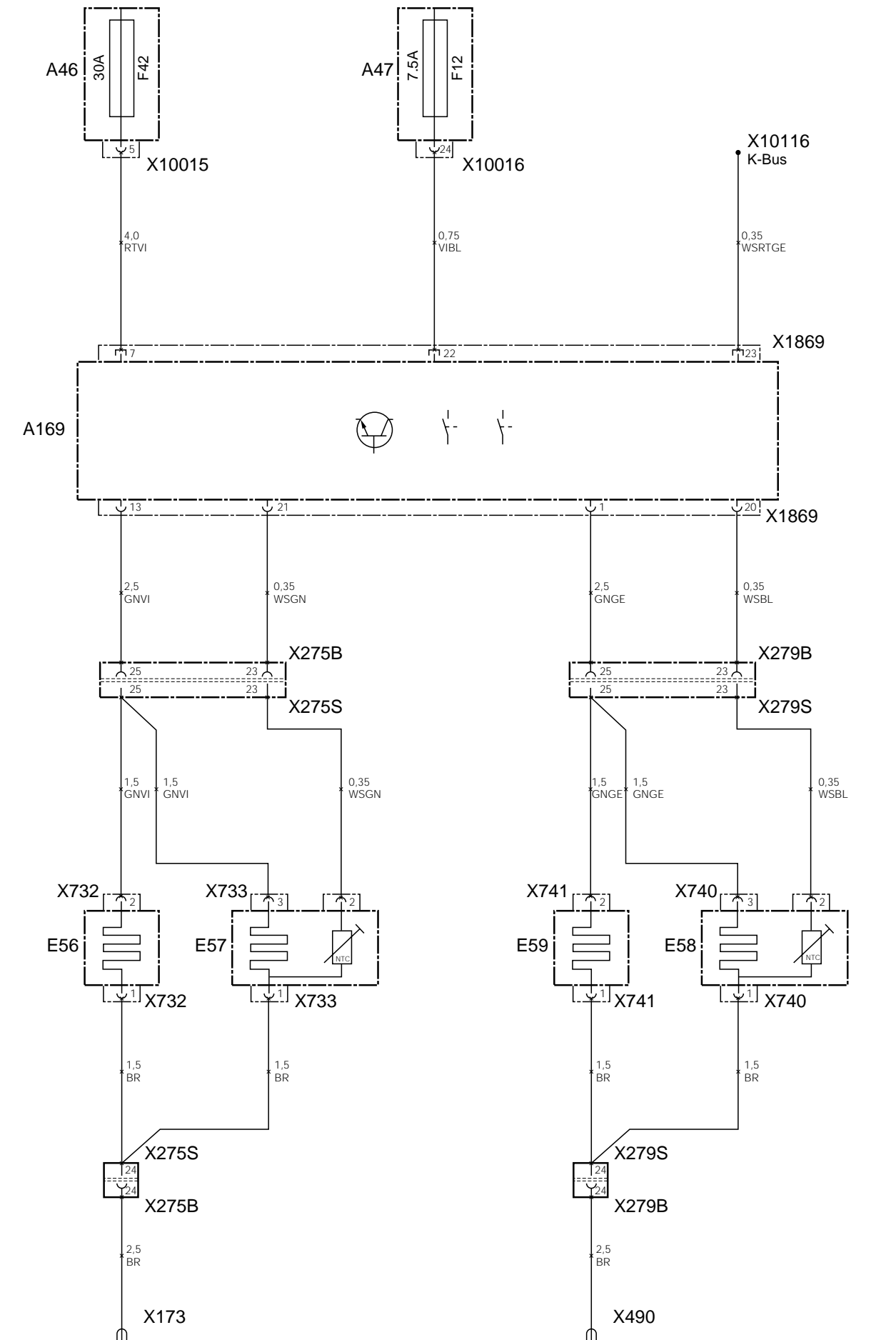
Connect branch **C**, white/red/yellow cable, to joint connector X10116 (same colour).

Assemble the car again following the instructions for its dismantling in reverse order.



This retrofit kit is not coding-relevant. ◀

6. Seat heating system BMW E46 circuit diagram



6. Seat heating system BMW E46 circuit diagram

Legend

A46	Fuse distributor
A47	Fuse distributor
A169	Switch centre
E56	Heating element in driver's backrest
E57	Heating element in driver's seat
E58	Heating element in passenger's seat
E59	Heating element in passenger's backrest
X173	Joint connector for earth connection
X275B	24-pin black plug
X275S	24-pin black plug
X279B	24-pin black plug
X279S	24-pin black plug
X490	Joint connector for earth connection
X732	2-pin black plug
X733	4-pin black plug
X740	4-pin black plug
X741	2-pin black plug
X1869	23-pin brown plug
X10015	Plug strip
X10016	Plug strip
X10116	K bus joint connector

Cable colours

GN/VI	Green/violet
WS/GN	White/yellow
GN/GE	Green/yellow
WS/BL	White/blue
BR	Brown
RT/VI	Red/violet
VI/BL	Violet/blue
WS/RT/GE	White/red/yellow