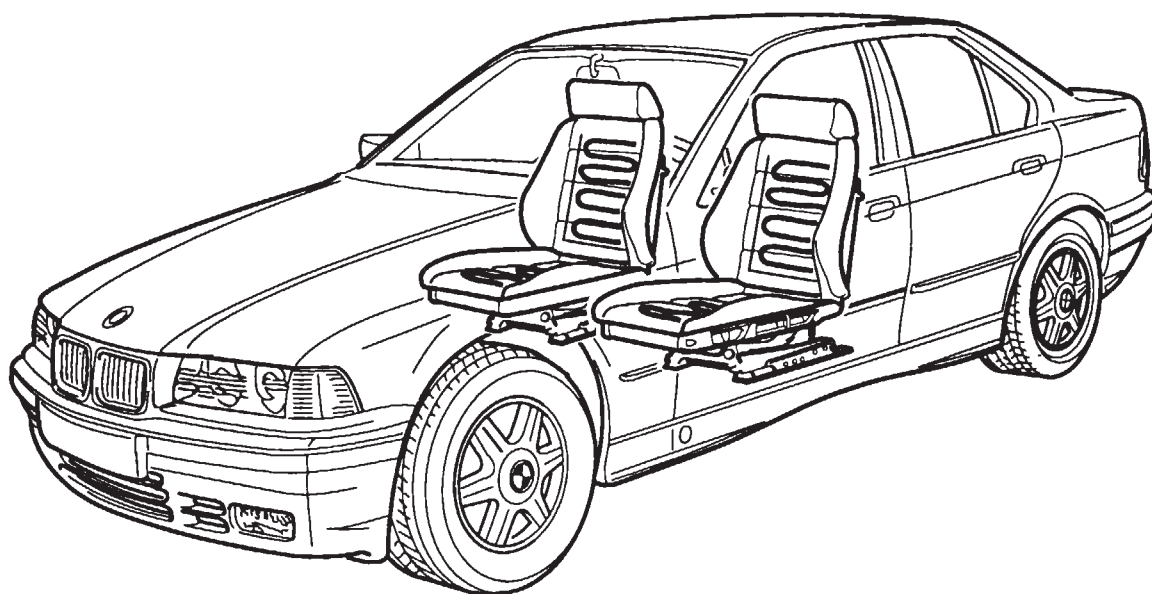




Zubehör – Einbauanleitung



F 36 51 251

Installation Instructions

Seat Heating
BMW 3 Series E36

Seat Heating

BMW 3 Series E36

Specialized knowledge required.

Installation time: approx. 4.5 hours - this may vary, depending on the condition of the vehicle and its fittings.

Information

Instructions and illustrations are given for left-hand drive models. Various work stages must be carried out for right-hand drive models in mirror-image fashion.

The seat heating is ready for operation when the ignition key is turned to position 1.

The seat-cushion heating conductors are marked **R** and **L**.

The backrest heating conductors can be installed on either side.

Tools and materials required

Phillips screwdriver
Regular screwdriver
Side cutting pliers
Torx key T 20
1/4" extension
1/4" drive socket, 7 mm, 10 mm A/F
Ratchet with 1/4" drive
1/2" drive socket, 17 mm A/F
Ratchet with 1/2" drive
1/2" extension
1/2" torque wrench

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- 1 Preparatory Operations
- 2 Removing Storage Tray
- 3 Disassembling Front Seats
- 4 Installing Supplementary Wiring Harness
- 5 Installing Heating Conductors

1. Preparatory Operations

Print out error memories.
Disconnect battery.

2. Removing Storage Tray

F 36 65 012

Remove Phillips screws (1). Remove panel (2).

F 36 51 110

Models with clock

Using a small screwdriver, carefully lever out clock (1) in direction indicated by arrow.
Withdraw clock cable connector.
Lever out storage-tray insert (2).

F 36 65 023

Models with Multi-Information Display (MID)

Carefully lift out MID (1).

F 36 64 006

Release catch (1) of connector (2) in direction indicated by arrow.
Withdraw connector (2).

F 36 65 024

Lift out storage tray (1).
Disconnect cable connector and cigarette-lighter lighting.

F 36 65 149

Left and right sides of car

Lever out cover strip (7).
Pull off edge guard (1) in direction indicated by arrow.

Left side of car

Lever out cover (2).
Remove Phillips screw (3).
Remove lever (4).

Left and right sides of car

Release plastic screw (5) by turning through 90.
Remove side panel (6).

F 30 52 054

Compress retaining clips (arrowed) with pliers and pull out.

Note on installation

If necessary, push new retaining clips onto cover strips and align.

F 36 65 139

Right side of car

Remove Phillips screws (1) from panel (2) underneath glove compartment (3).
Remove panel (2) in direction indicated by arrow.

F 36 65 187

Open glove compartment.
Lever out caps (1).
Pull out retaining lugs of connector (2).
Press connector (2) into glove-compartment housing.

F 36 65 140

Lever out glove-compartment lighting (1).
Disconnect connector (2) from glove-compartment lighting (1).

F 36 65 141

Remove Phillips screws (1) from behind ventilation grilles (2).
Remove Phillips screws (3).
Lift out glove compartment (4).

F 36 65 142

Withdraw connector (1) from contact switch (2).
Remove glove compartment.

3. Disassembling Front Seats

F 36 65 145

Slide seat back against rear stop.
If seat is height-adjustable, move it to highest possible seat position.
Remove plastic caps (1).
Unscrew hexagon nuts (2) and remove washers.

Note on installation

Tightening torque of hexagon nuts (2) 48 Nm.

F 36 82 007

Slide seat forward against front stop.
Remove hexagon screws (1) and washers (2).

Note on installation

Tightening torque of hexagon screws (1) 48 Nm.

F 36 82 008

If necessary, disconnect plug-in connection of electric seat adjuster on underside of seat.

Remove Torx screw (1) from belt fastening element (2).

Remove seat.

Note on installation

Tightening torque of hexagon screws (1) 48 Nm.

F 36 65 152**Left and right sides of car**

Fold back carpet.

Remove plastic nuts (1).

Remove wiring-harness cover (2).

4. Installing Supplementary Wiring Harness**F 36 51 128****Left side of car**

Remove hexagon sheet-metal screws (1).

F 36 64 111

Remove cover from distribution box.

Remove Torx screws (arrowed).

Pull upper section (1) of distribution box upwards as far as vehicle wiring harness will allow.

F 36 51 129

Withdraw guide element (1) of vehicle wiring harness in direction indicated by arrow.

Note on installation

To prevent moisture from penetrating distribution box, ensure that guide element (1) is correctly reinstalled in distribution box.

F 36 64 112

Release catch (1) of fuse-carrier (2) in direction indicated by arrow.

Remove fuse-carrier (2) in direction indicated by arrow.

F 36 64 113

Remove securing element (1) from fuse-carrier (2) in direction indicated by arrow.

Supplementary wiring harness - overview**F 36 51 252**

Item	Connection location in car	Cable colour	Plug-in station
a	Fuse-carrier X10015 in distribution box	RD/VI	8
b	Fuse-carrier X10015 in distribution box	RD	7
c	Fan connector in distribution box X1066	RD	
d	Fan connector X1076 in distribution box	GN/BL	
e	Relay frame		
f	Fan connector X13021	RD/YE	
g	Fan connector X1019, instrument panel	GR/RD	
h	Fan connector X1019, instrument panel	GR/RD	
i	Earth (ground) support, instrument panel left	BR	
j	Actuating switch X651, driver's seat		
k	Actuating switch X658, passenger seat		
l	Connector under driver's seat X732		
m	Connector under driver's seat X733		
n	Connector under passenger seat X740		
o	Connector under passenger seat X741		

F 36 64 114**Note**

Start by installing supplementary wiring harness in distribution box.

Lay branch (a-e) into distribution box.

Insert cable connector (1) **-cable colour red-** into plug-in station 7 and cable connector **-cable colour red/violet-** into plug-in station 8 of fuse-carrier (2).

Refit securing element in fuse-carrier.

Install fuse-carrier.

Insert 15 A fuse in plug-in station F4 of fuse-carrier (2).

F 36 51 253

Insert branch (c) **-cable colour red-** into fan connector X1066.

Insert branch (d) **-cable colour green/blue-** into fan connector X1076.

F 36 51 254

Lever out cover (1) from a free plug-in station in distribution box (2).

Install relay frame - branch (e).

Insert relay.

Lay branches (f-k) into passenger compartment.

F 36 51 255

Lay branches (f-i) up to fan-connector box under instrument panelling.

Insert branch (f) **-cable colour red/yellow-** into fan-connector box.

Insert branch (g, h) -cable colour grey/red- into fan connector X1019.

F 36 51 256

Unscrew hexagon nut (1).

Secure branch (i) -cable colour brown- to earth (ground) support under instrument panel (left side).

F 36 51 257

Lay branch (j, k) of supplementary wiring harness up to installation location at centre console.

Note

Switch (1) = driver's seat heating

Switch (2) = passenger seat heating

Feed connectors through openings in centre console and attach switches (1-2).

Install centre console and storage tray.

5. Installing Heating Conductors

F 36 51 258

Cut off split pins (1) on underside of seat.

Lift out seat cushion (2) in direction indicated by arrow.

Note on installation

Replace split pins (1) of seat cushion (2).

F 36 51 259

Sport seats only

Remove Torx screw (2).

Tilt backrest in direction indicated by arrow.

F 36 51 260

Lift out seat cushion (1) in direction indicated by arrow.

Carefully lift out seat cover (2) from connecting strip (3).

Remove seat cushion (1).

F 36 51 261

Release seat cover (1) from securing tabs (arrowed).

F 36 51 262

Fold up seat cover (1) and remove fastening clips (2) from seat cushion.

Remove seat cover (1).

F 36 51 263

Note

Left and right heating conductors are marked accordingly.

Place corresponding heating conductor (1) on seat cushion as shown in illustration.

Fit seat cover (2) and secure with fastening clips.

F 36 51 264

Lift out head restraint (1) in direction indicated by arrow.

Carefully lever out attachment (2).

Remove Torx screws (3).

F 36 51 265

Lever out clamps (1).

Remove Torx screws (3) from underneath backrest cover (2).

Remove backrest (4) in direction indicated by arrow.

F 36 51 266

Lever out clasps (1).

Lift backrest cover (2) from panel (3).

F 36 51 267

Note on installation

To prevent folds developing in backrest cover (1), cover must be secured completely and firmly in groove of panel (2).

F 36 51 268

Fold up backrest cover (1) and remove fastening clips (arrowed).

Remove backrest cover (1).

F 36 51 269

Place heating conductor (1) on backrest as shown in illustration.

Fit backrest cover (2) and secure with fastening clips.

F 36 51 270

Reinstall backrest (1) in reverse sequence.

Lay cable of backrest and seat cushion (2) through standard opening (3).

Install seat cushion (4).

Secure connectors (5-6) to seat base.

F 36 51 271

Insert connectors (1-2) of supplementary wiring harness into mating connectors of seat heating.

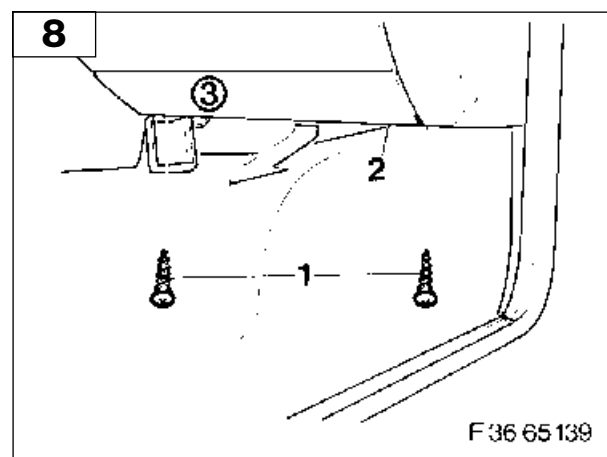
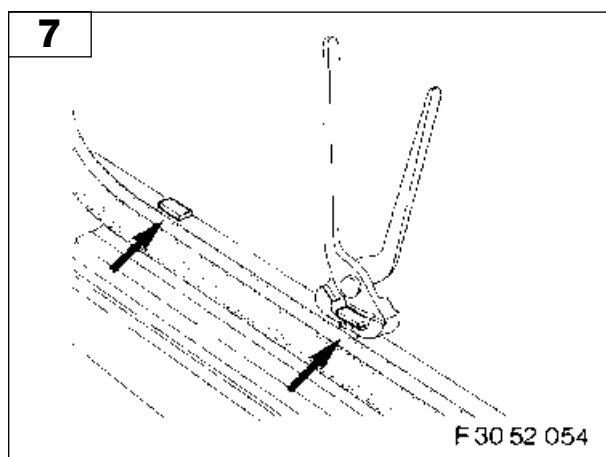
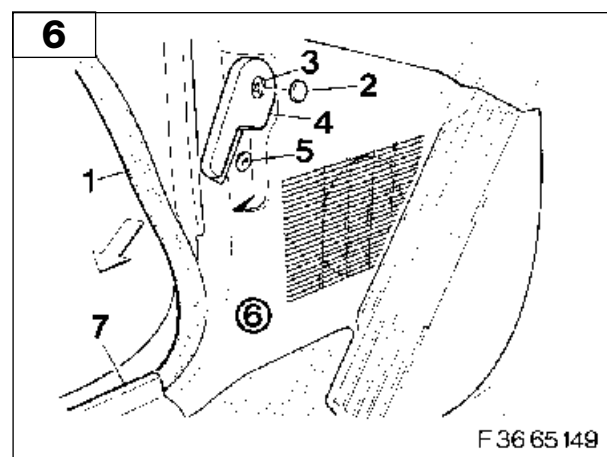
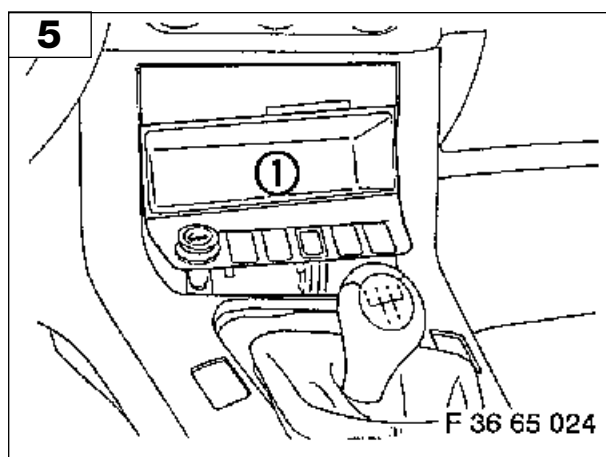
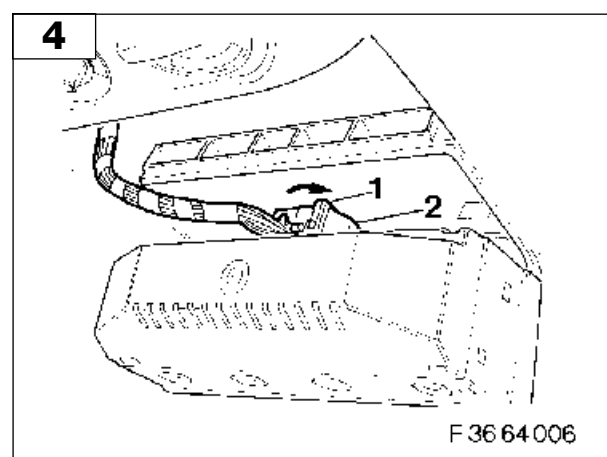
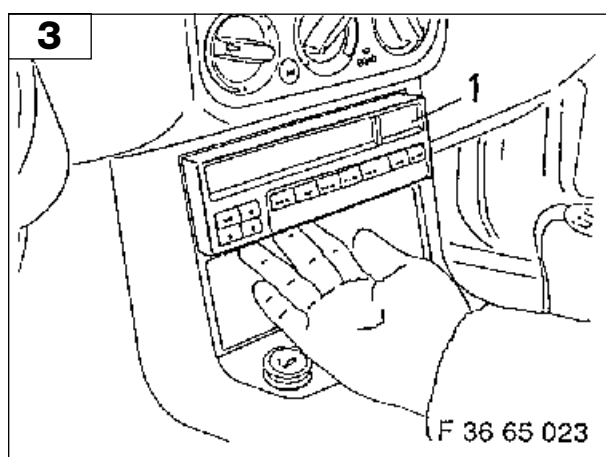
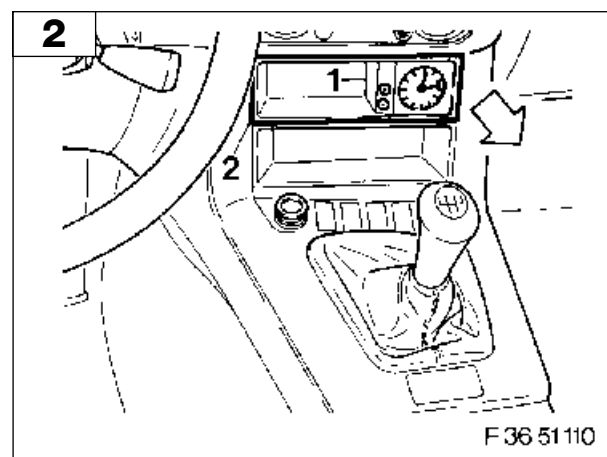
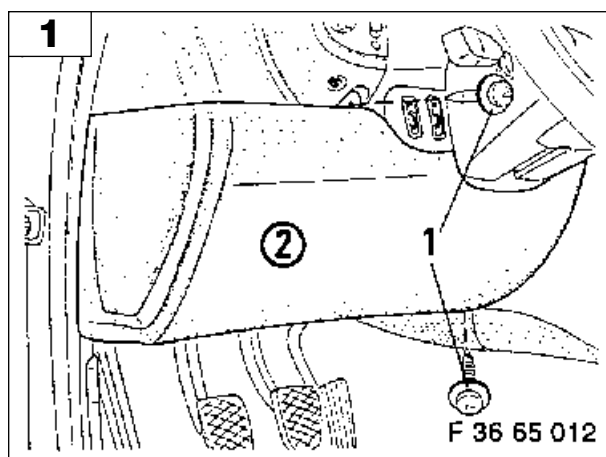
Reinstall all parts which have been removed in reverse sequence.

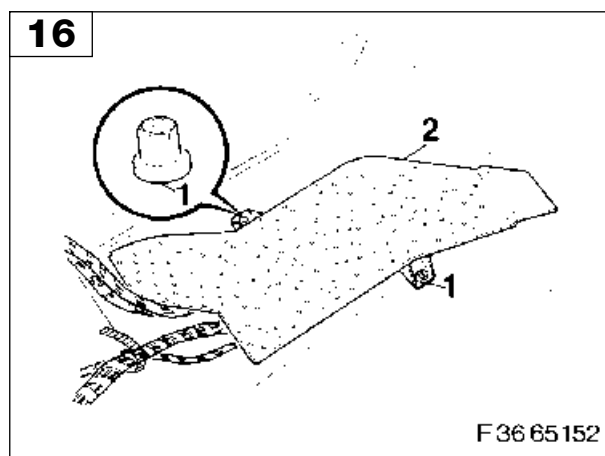
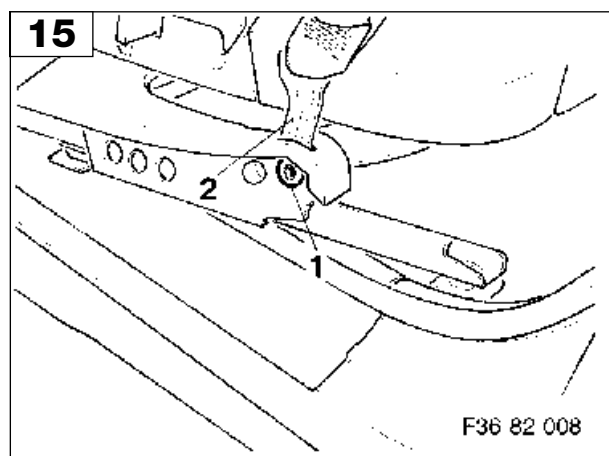
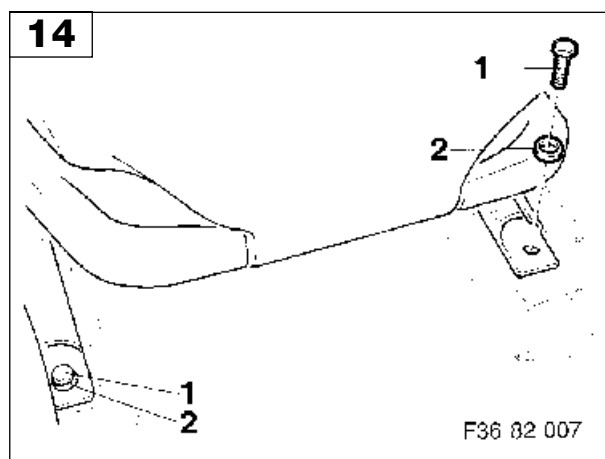
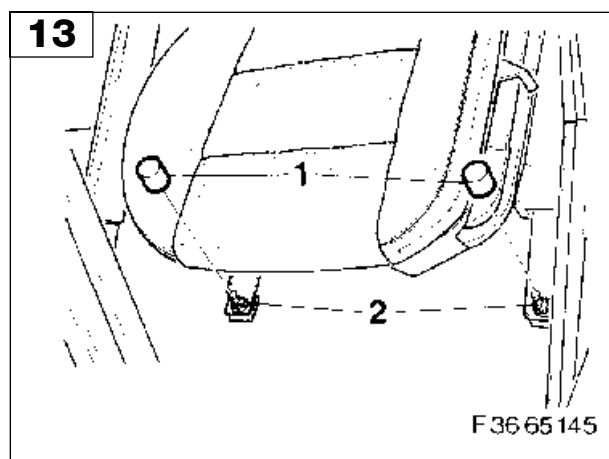
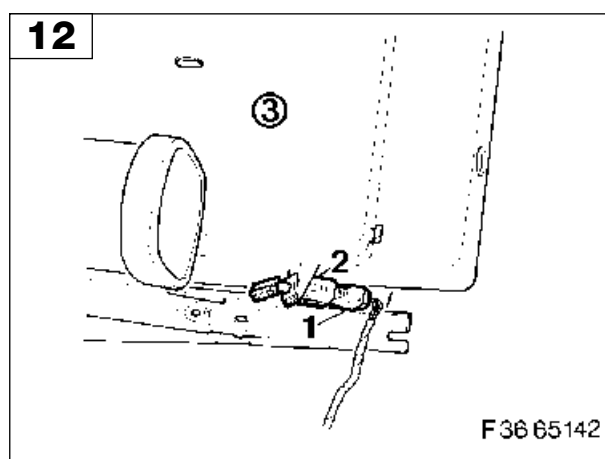
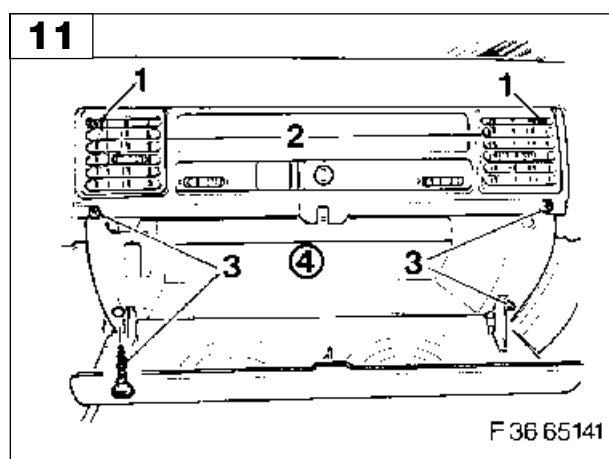
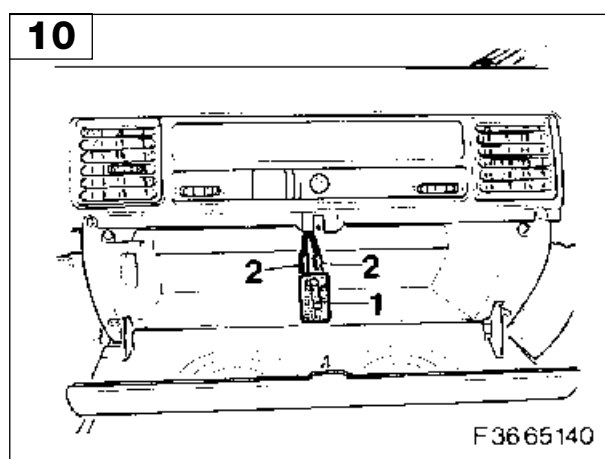
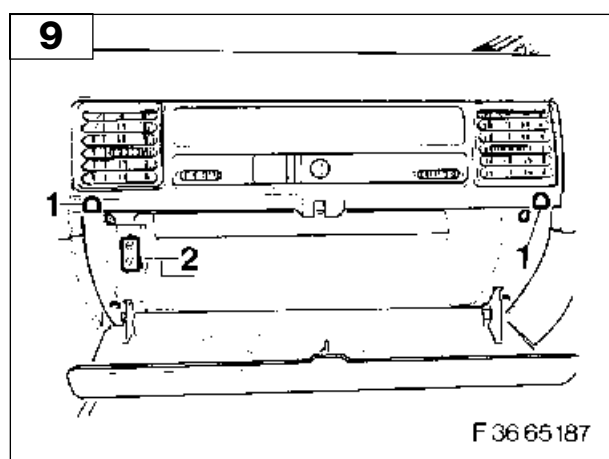
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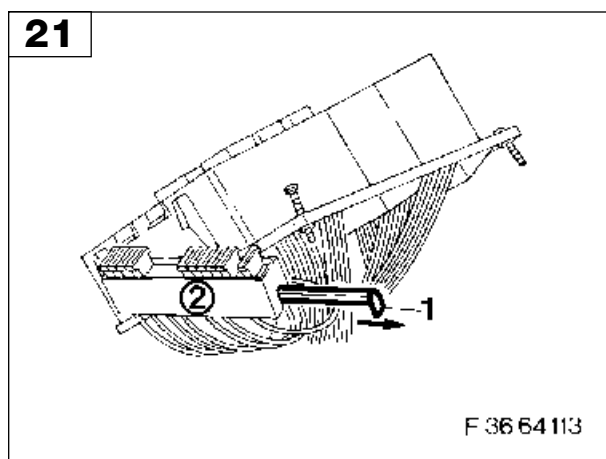
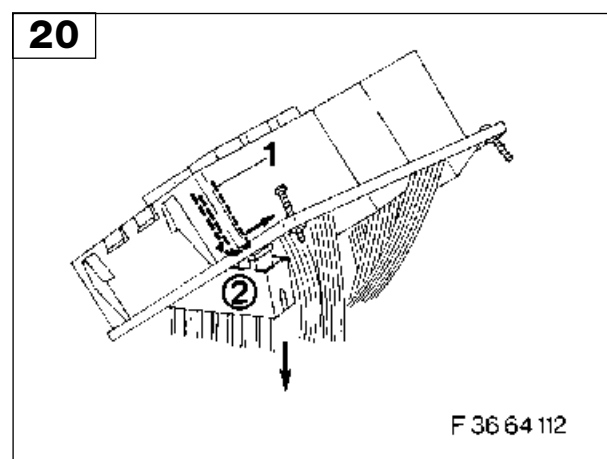
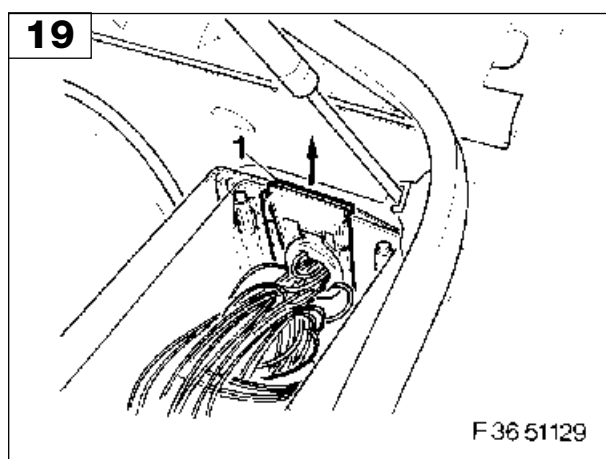
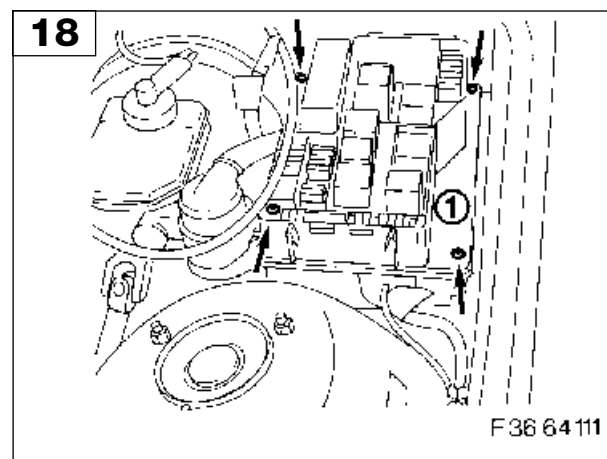
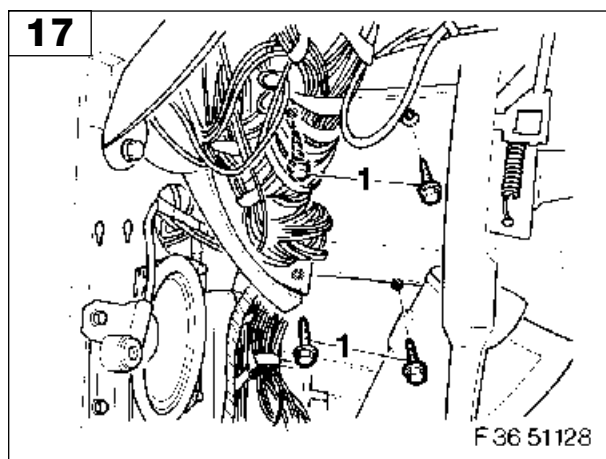
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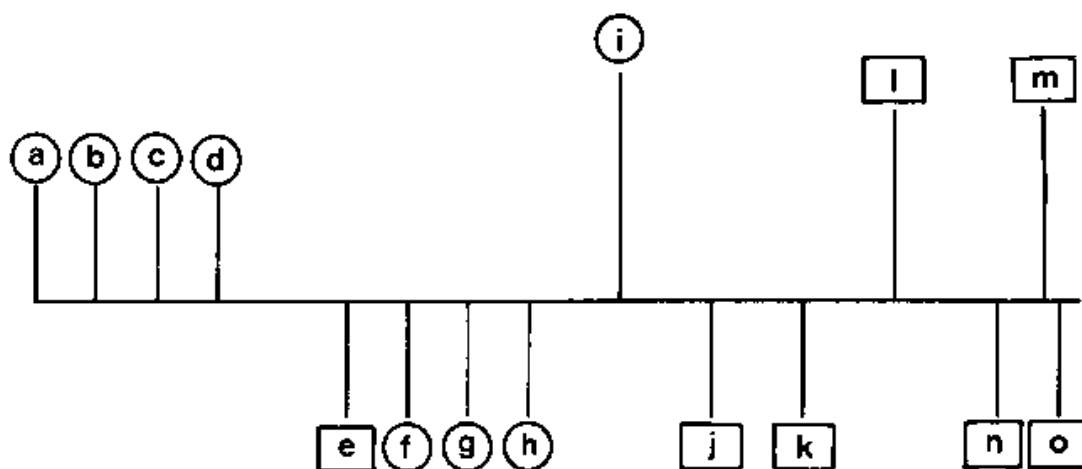
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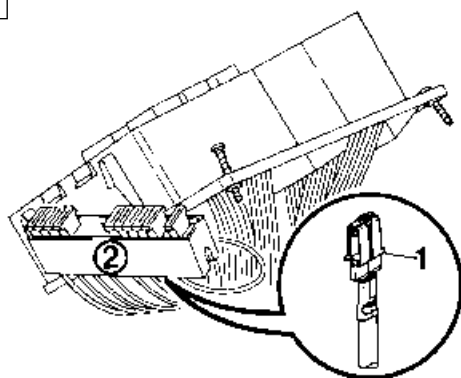


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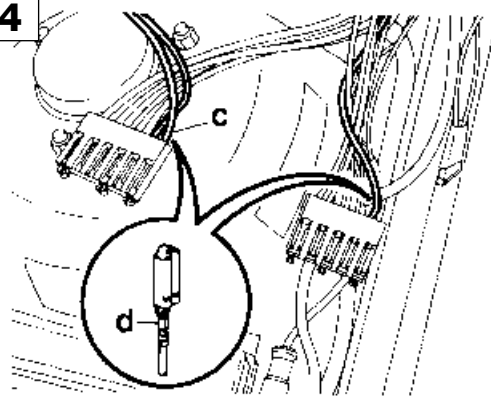
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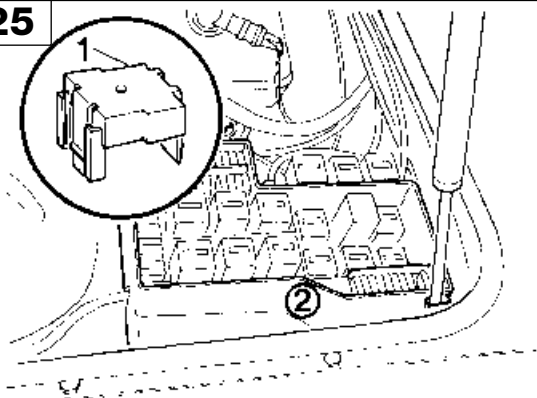
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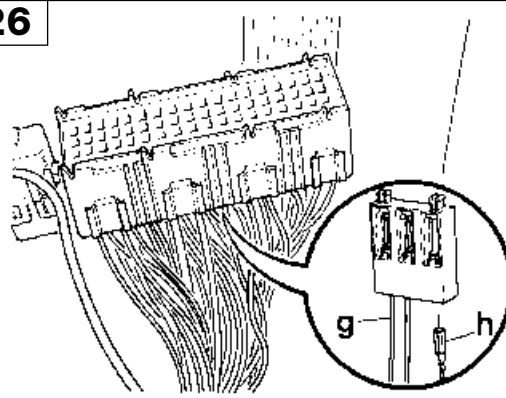
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