

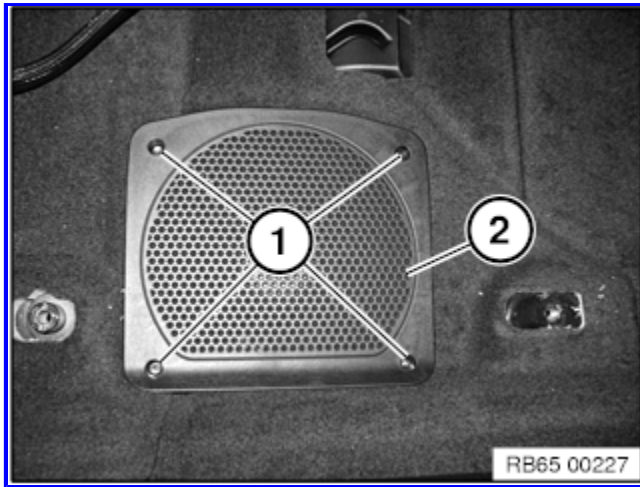
65 12 051

Removing and installing/renewing central bass speaker -driver's side- (under front seat)



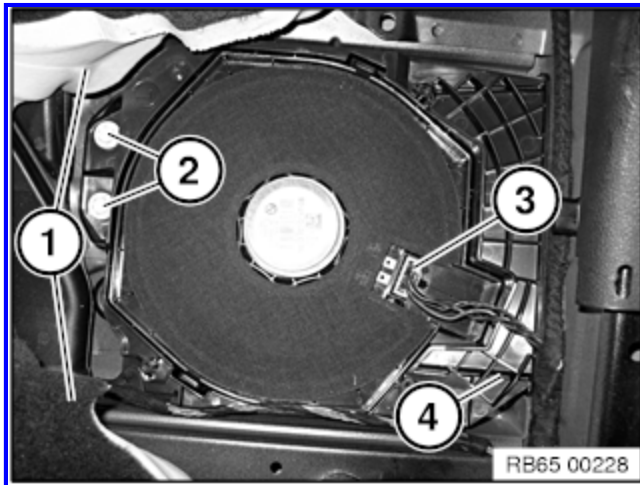
Necessary preliminary tasks:

- Remove [front seat](#)
- Remove [door sill cover strip](#)



Release screws (1).

Remove cover of bass speaker (2).



Fold up the carpet (1) as shown.

Unfasten plug connection (3) and disconnect.

Unfasten screws (2).

Feed out central bass speaker support (4).

61 31 038

Removing and installing/replacing switch for front passenger airbag deactivation

Special tools required:

- [00 9 323](#)



Warning!

Read and comply with [safety regulations](#) for handling airbag modules and pyrotechnical belt tensioners.

Incorrect handling can activate airbag and cause injury.



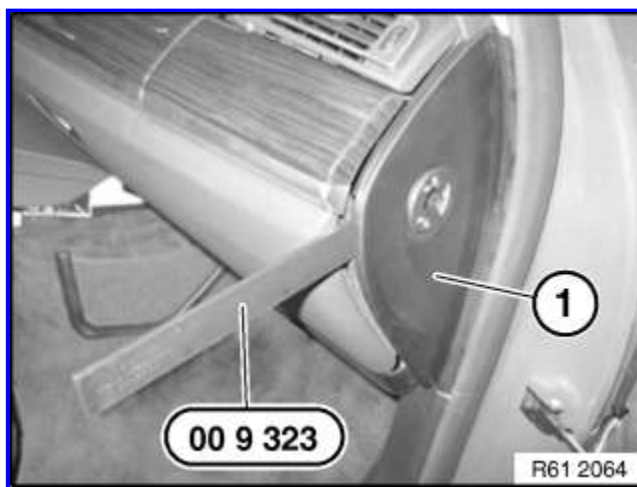
Necessary preliminary tasks:

- Disconnect [battery earth lead](#)

Note:

Work shown on the F20 by way of example, deviations in detail are possible in other models.

Carefully lever out side cover (1) with special tool [00 9 323](#).



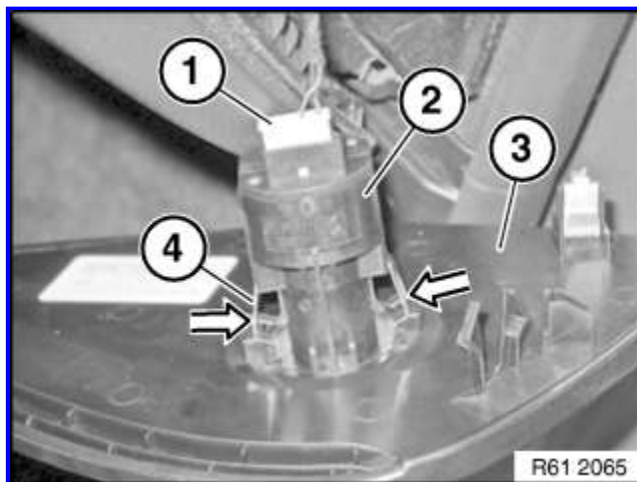
Disconnect plug connection (1).

Unlock latch mechanisms (4) in direction of arrow.

Feed switch for front passenger airbag deactivation (2) out of side cover (3).

Installation note:

Make sure switch for passenger airbag deactivation (2) is correctly seated in side cover (3).



13 31 029

**Check fuel delivery pressure
(N20,N26 ,N55)****Special tools required:**

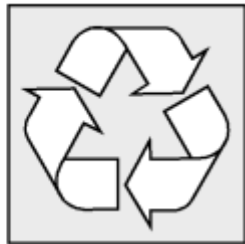
- [13 5 270](#)
- 11 4 310
- 11 5 364
- [13 3 060](#)

**Important!**

Lines are under pressure!

Wear safety goggles and gloves.

Fuel can emerge spontaneously at high velocity when the fuel line is released!

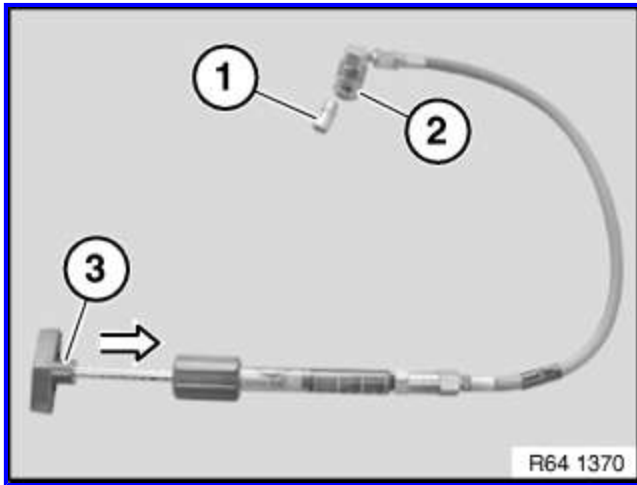
**Recycling:**

Catch and dispose of escaping fuel with auxiliary materials.

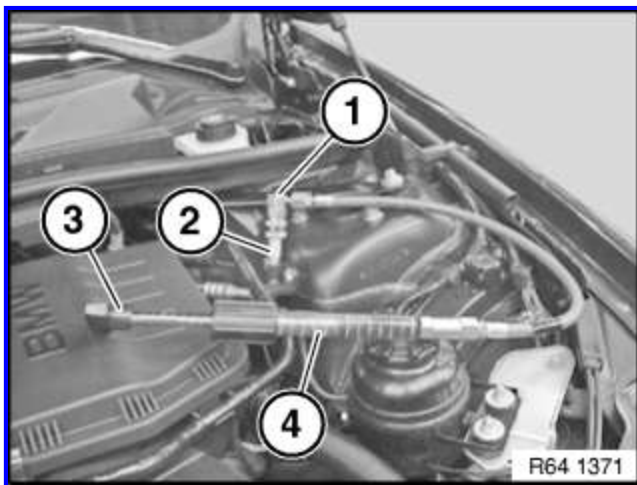
Observe country-specific waste disposal regulations.

Necessary preliminary tasks:

- Connect BMW diagnosis system
- Remove rear [underbody protection](#).



completed.



Attach quick-release coupling (1) to low-pressure connection (2) of air conditioning system.

Turn handle on hand pump (3) until the required amount of UV additive is added.

The quantity of UV additive to be added is dependent on the [amount of refrigerant in the refrigerant circuit](#):

- Air conditioning systems with refrigerant filling up to 900 g: one graduation mark (4) on additive cartridge
- Air conditioning systems with refrigerant filling in excess of 900 g: two graduation marks (4) on additive cartridge

Note:

After filling, remove quick-release coupling (1) and if necessary use the cleaning agent contained in the special tool case to clean up the UV additive.

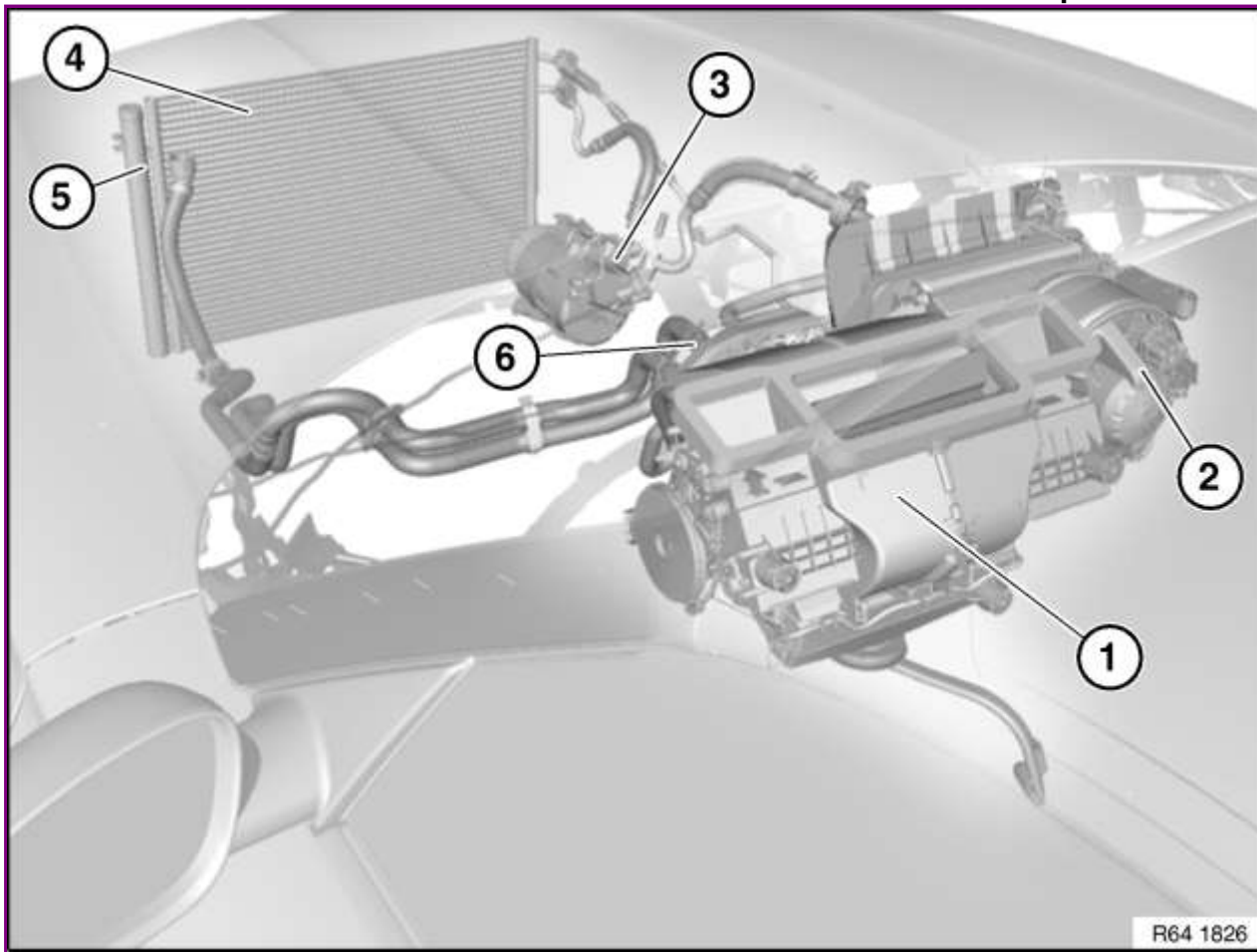


Further tasks:

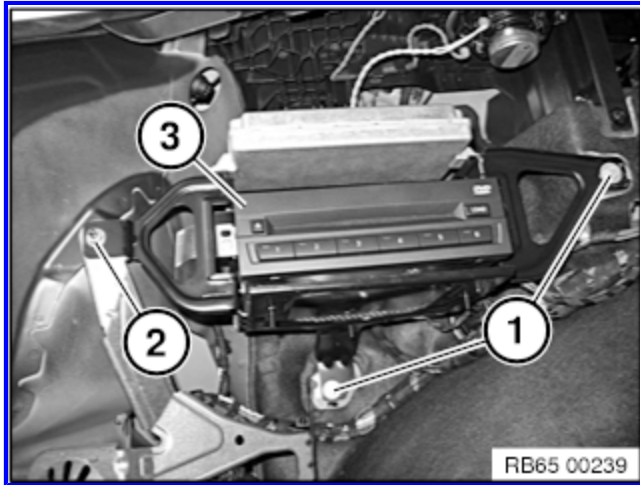
- Start engine
- Run air conditioning system at highest stage for 5 - 10 minutes in order to ensure adequate distribution of dye in the system
- Turn off engine.
- Check all air conditioning system components for possible leaks
- Possible leakage is lit up green when the UV leak-detecting lamp and UV-absorbing safety goggles are used

Complete accompanying information label (1) with the relevant

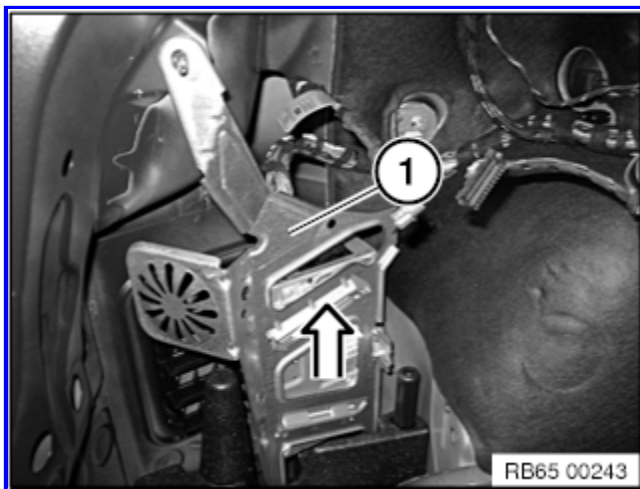
64 00 ..

Overview of heater - A/C system components

- | | |
|--|---|
| 1 Heater/air conditioner with add-on parts | 4 Capacitor for heater - A/C system |
| 2 Remove fan for heater - A/C system | 5 Dryer flask for heating and air conditioning system (included in the capacitor) |
| 3 Compressor for A/C system | 6 Expansion valve |



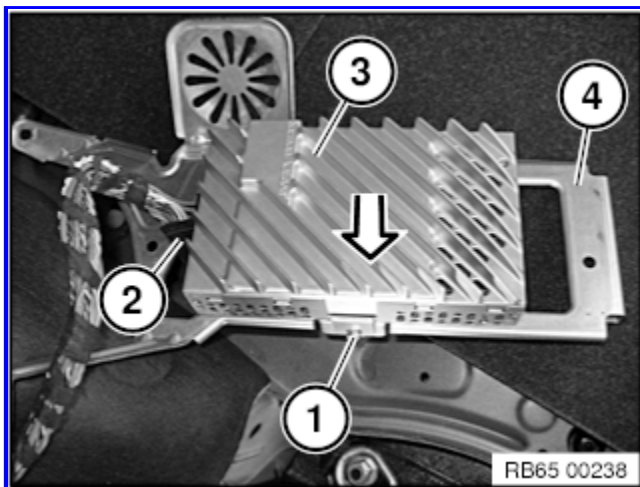
Pull out holder (1) including amplifier in direction of arrow.



Release screw (1).

Unfasten plug connection (2) and disconnect.

Pull amplifier (3) out of holder (4) in direction of arrow.



Installation note:

Lugs (1) must be correctly slid into guide (2).

Check that amplifier (3) is securely seated.

51 21 090

Removing and installing/replacing door lock in left or right front door



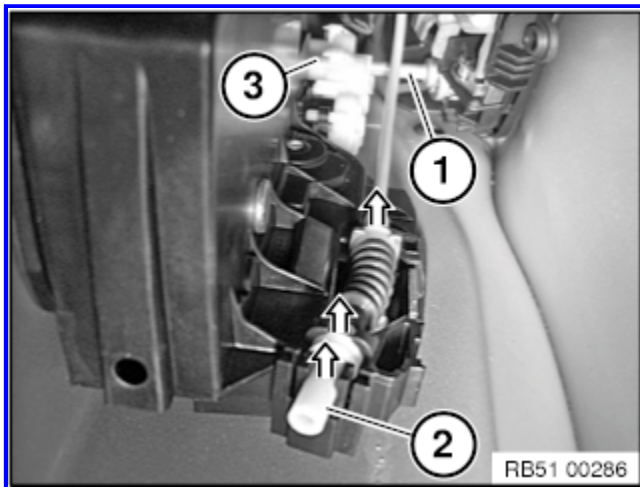
Special tools required:

- [51 2 190](#)



Necessary preliminary tasks:

- Remove [sound insulation in front door](#)

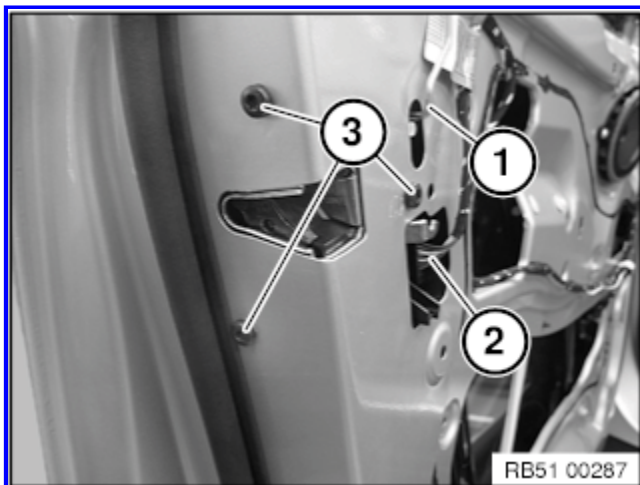


Disengage Bowden cable (2) from outer door handle at marked position.

Installation note:

Driver's side only:

Make sure locking pin (1) is correctly seated in mounting of door lock (3).



Lever out locking rod (1).

Unfasten plug connection (2) and disconnect.

Release screws (3).

Only with driver's door:

Disengage door lock (1) at locking pin (2).

Installation note:

Make sure locking pin (2) is correctly seated in mount (3).

61 31 037

Removing and installing/replacing light operating facility



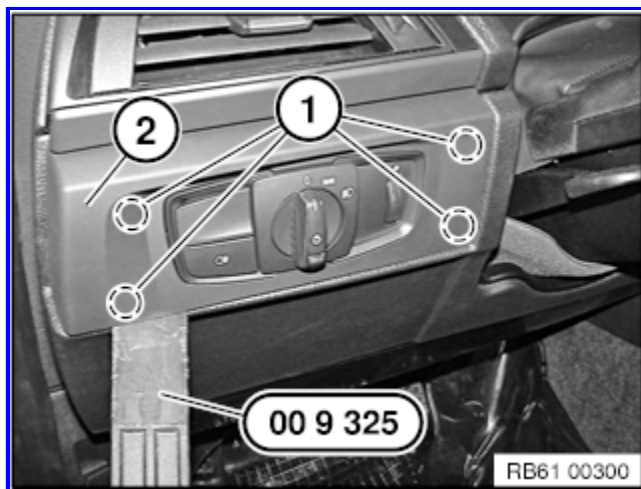
Special tools required:

- [00 9 325](#)

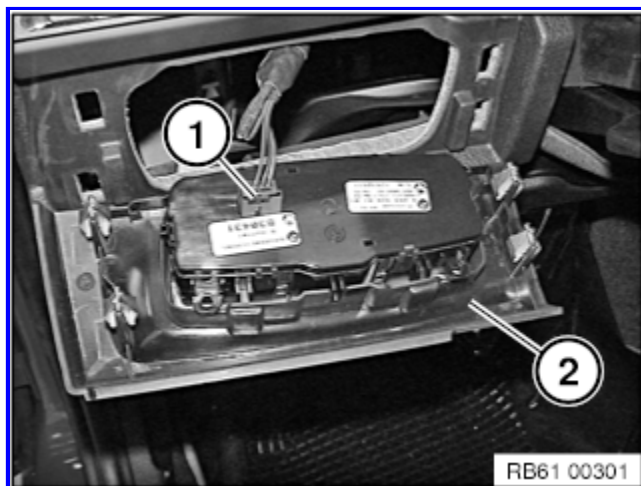


Note:

When working on trim panel components, make sure that the sensitive surfaces are not scratched or damaged.



Lever out decorative trim (2) at the retaining points (1) using special tool [00 9 325](#).



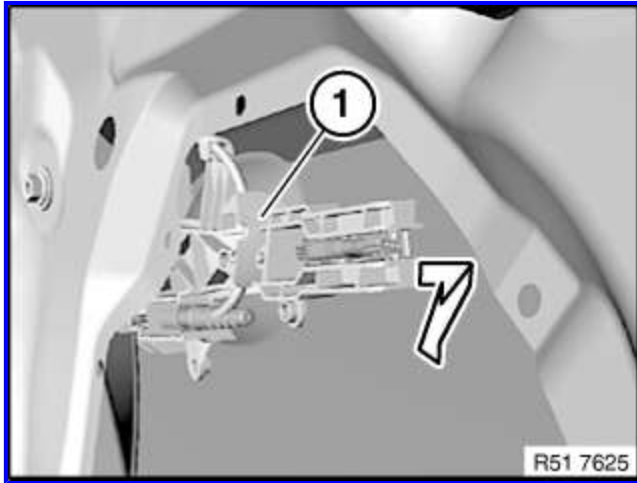
Unfasten plug connection (1) and disconnect.

Remove decorative trim with lighting operating facility (2).

Replacement:

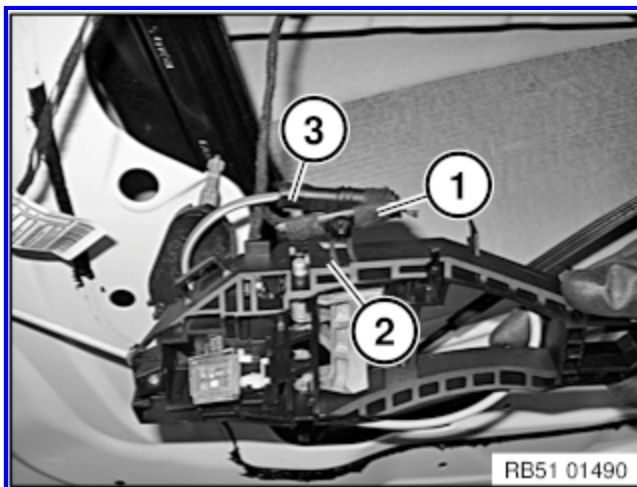
Unclip lighting operating facility (2) in area (1) and remove from the decorative trim (3).

Latch mechanisms in area (1) must not be damaged or missing.



If necessary, release cable clip from support (1).

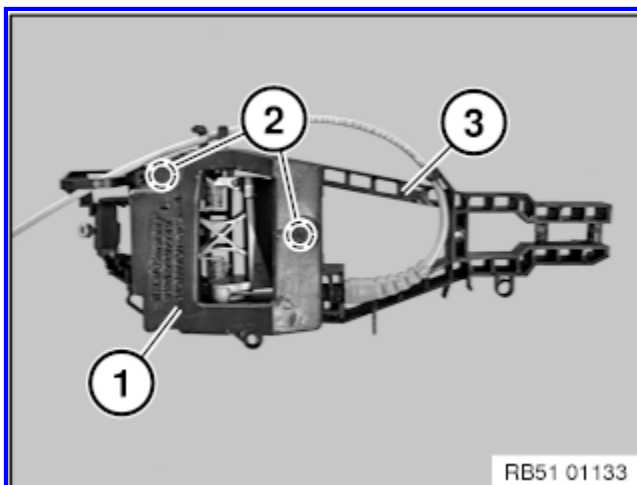
Remove inner support (1) in direction of arrow and feed out of door.



For version with Comfort Access/light package:

Release cable clip (1) from support (2).

Disconnect plug connection (3).



Replacement:

Release sound cover (1) at clips (2) and manoeuvre out of support (3).

Replacement:

Unclip Bowden cable (1) in area (A) and manoeuvre out of support (2).

Installation note:

Ensure that the Bowden cable (1) is correctly routed at support (2).

41 21 003

Replacing A-pillar with reinforcement on left

Procedure [Observe](#) repair stage 3!

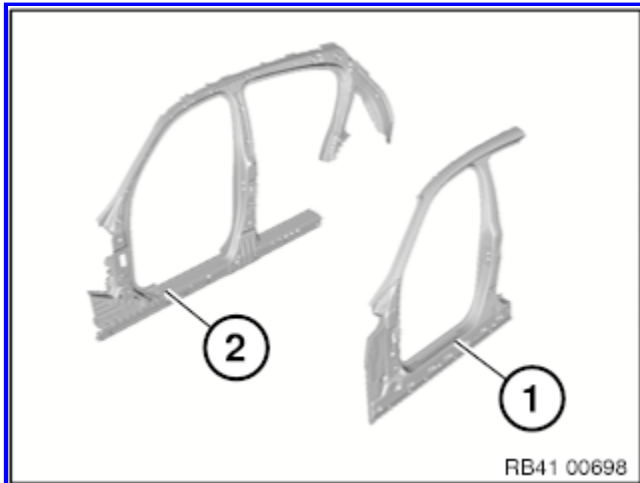
Read contents of [Body, General](#).

For stripping and rigging operations, refer to texts on KSD CD (job number: 41 21 003).

Spot-weld bonding is used on this vehicle. Observe specific [procedure](#).

Use only approved [spot-welding apparatus](#) for repairs.

Place vehicle on straightening bench.



Following new body parts are required (refer to Electronic Parts Catalogue):

- (1) A-pillar, outer
- (2) Middle side frame
- (3) Shaped part, A-pillar, top (not shown)
- (4) Shaped part, A-pillar, top inside (not shown)

Following [consumables](#) are required:

Material	Quantity
Blind rivet N1	1
Blind rivet N2	1

Removing the A-pillar with reinforcement

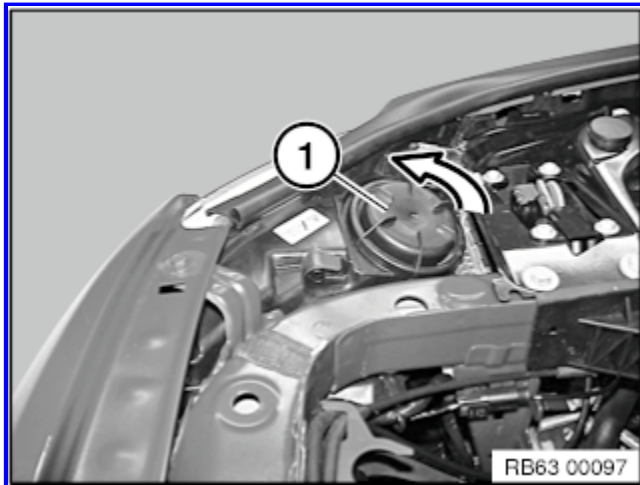
63 99 274

Replacing bulb for front left turn indicator (with xenon headlight)



Important!

Follow instructions for handling light bulbs ([exterior lights](#)).



Turn protective cap (1) counterclockwise and remove.

Important!

Risk of damage due to moisture penetration!

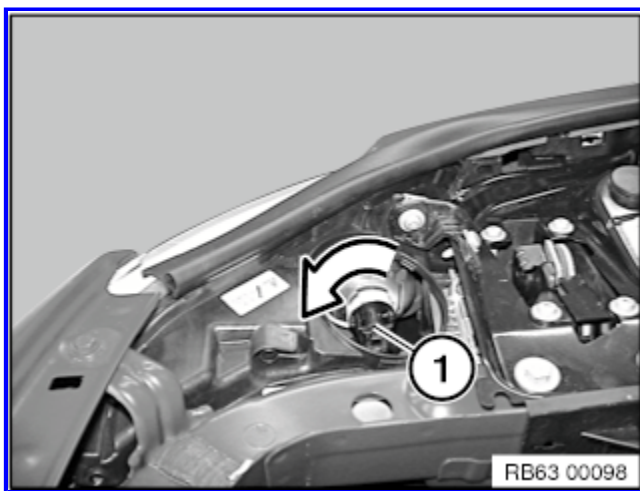
Installation note:

Check seal. Replace protective cap (1) if necessary.

Comply with [Instructions for replacing the protective cap](#).

Protective cap (1) must lock correctly!

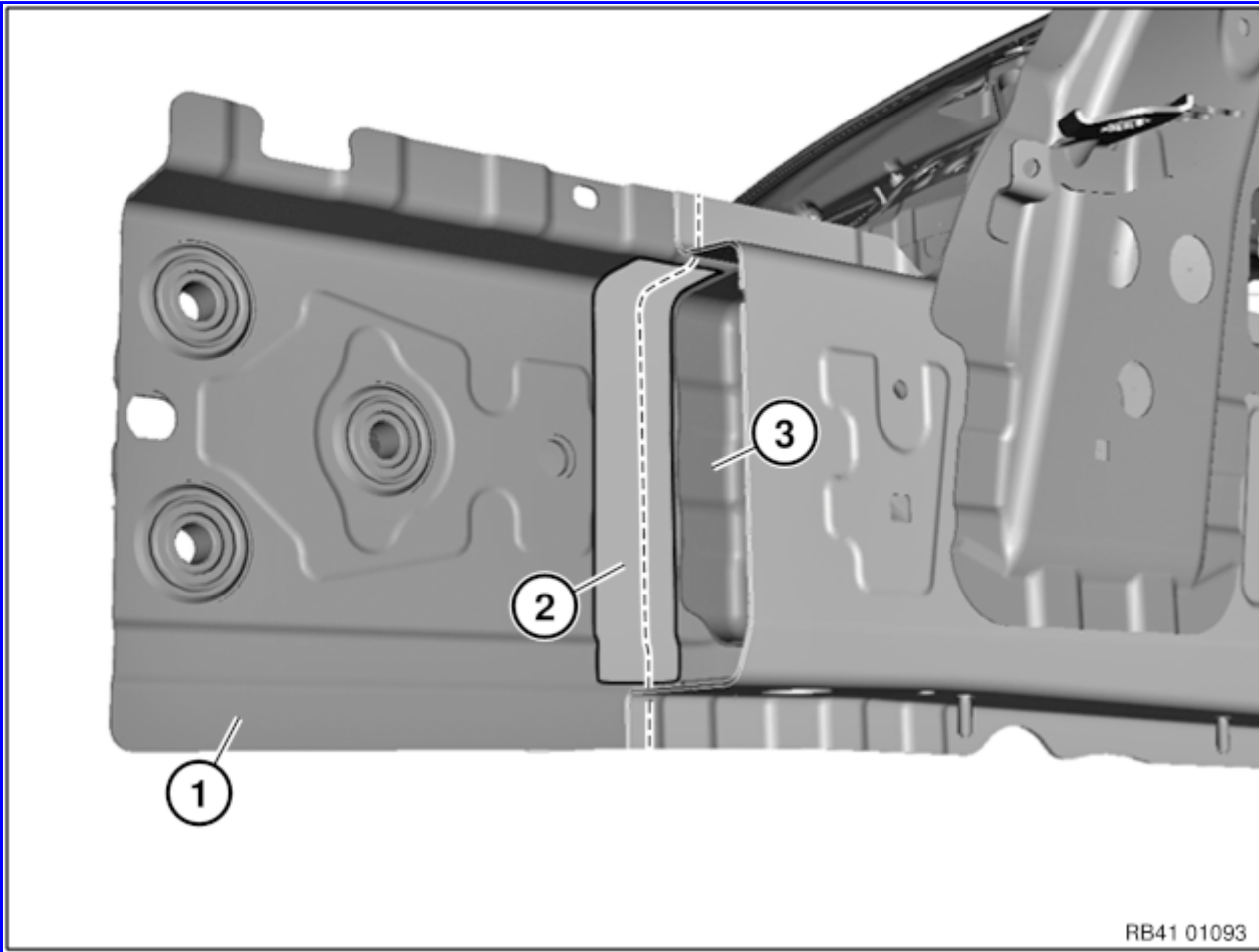
Turn the protective cap (1) clockwise to end stop (A)!



Turn bulb holder (1) in direction of arrow and remove from headlight.

Turn bulb (1) in direction of arrow and remove from bulb holder.

Installation note:



Adjust engine support inner section (1) to alignment bracket or universal fixture and fix in position.

Adjust [reinforcement plate](#) (2) for engine support inner section (1) according to schematic diagram.

Important!

Reinforcement plate (2) must be adjusted in area of axle support (3).

Reinforcement plate is welded from inside to outside during installation.

Bore hole for welding the reinforcement plate from outside are therefore only required in the front area.

See graphic below.

Alignment bracket and carrier support not shown for purposes of clarity.

51 16 026

Replacing mirror glass**Special tools required:**

- [00 9 327](#)

**Warning!**

Danger of injury!

Move mirror glass with hand carefully and slowly.

If mirror glass is damaged:

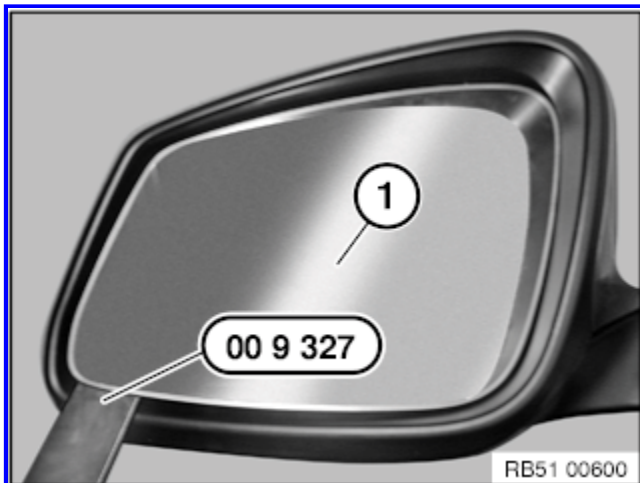
Wear protective goggles and cut-proof gloves.

Danger of injury by flaking-off glass splinters.

**Important!**

Risk of damage!

Bring exterior mirror to room temperature to prevent latch mechanisms from breaking off.

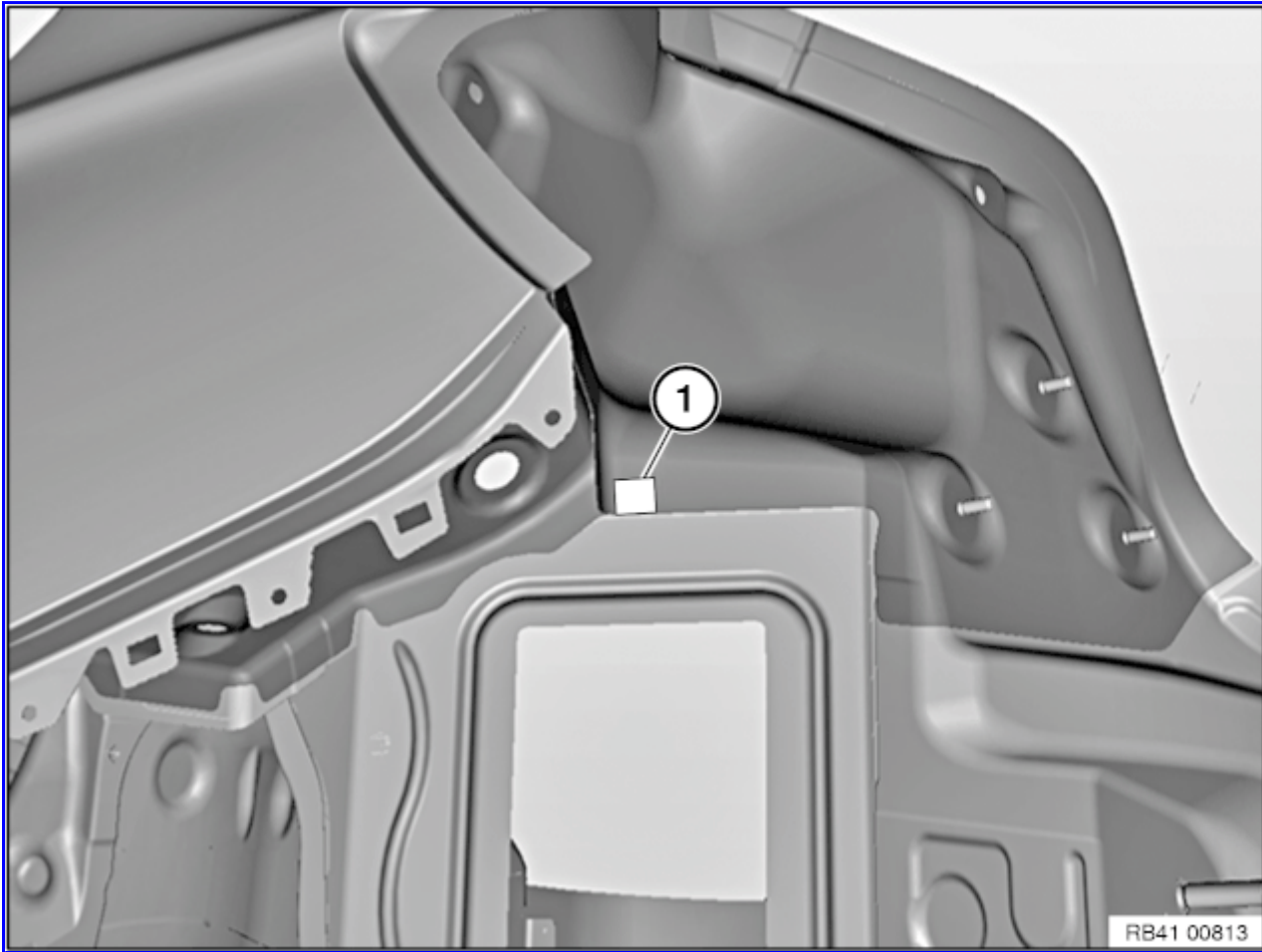
**Important!**

Risk of damage!

Secure mirror glass (1) against falling out.

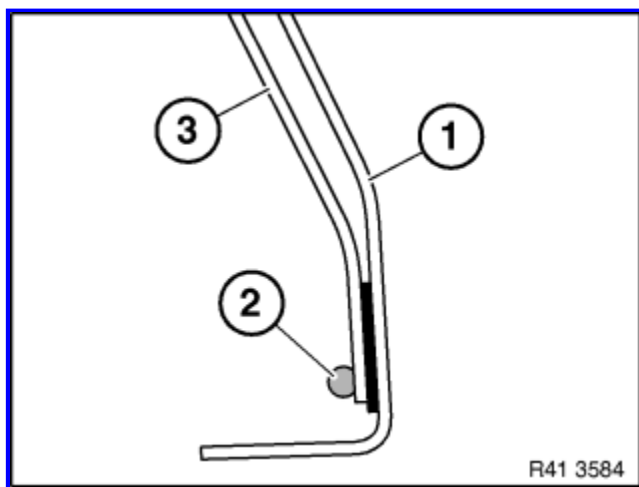
Press mirror glass (1) on side vehicle by hand to full extent.

Starting on the outside, unclip mirror glass (1) around all sides with special tool [00 9 327](#).



Note:

Due to a missing welding spot on the new part, a punch rivet N5 needs to be introduced in area (1).



Also apply adhesive (2) to outer wheel arch section (3).

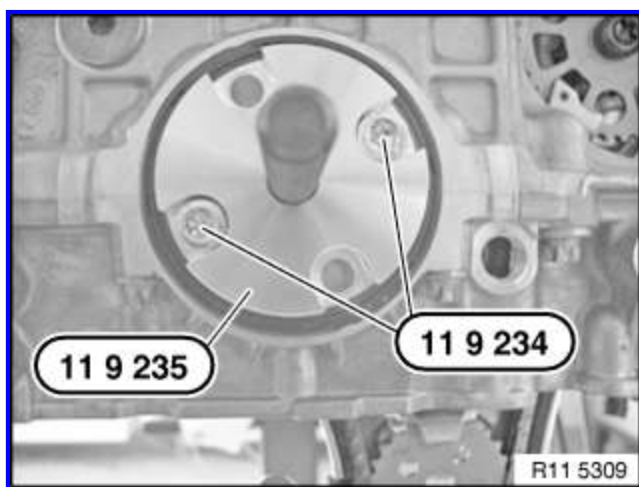
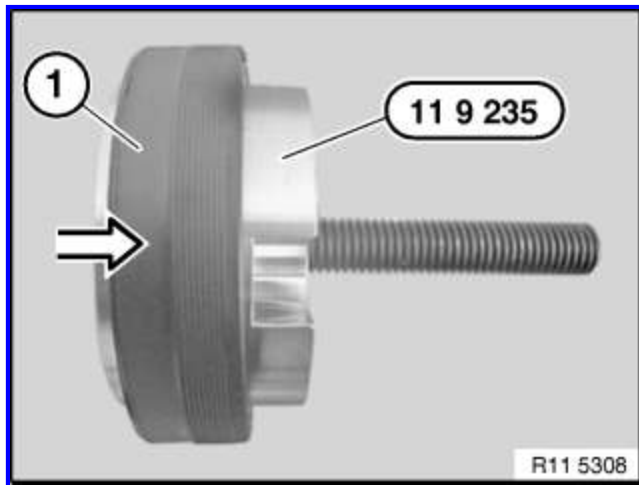
(1) Rear side wall.

Flange edge of wheel arch (3) of side wall flush to outer wheel arch section.

Do not create sharp edges when flanging as otherwise the flange edge may begin to tear.

Dimension (A) = 5 mm.

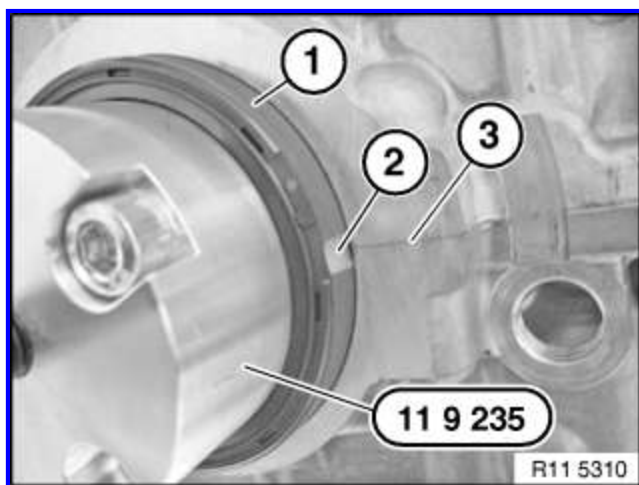
(1) Adhesive

**Important!**

[11 9 235](#) Special tool can only be fastened with 2 opposite bolts.

Determine hole pattern on special tool.

Screw special tool [11 9 235](#) with special tool [11 9 234](#) on crankshaft.



Align groove (2) of radial shaft seal (1) centred to the housing partition (3).

Important!

After installation, the grooves must be filled with sealing compound.

Draw in radial shaft seal with special tool [11 9 231](#) in conjunction with special tool [11 9 233](#) until flush.