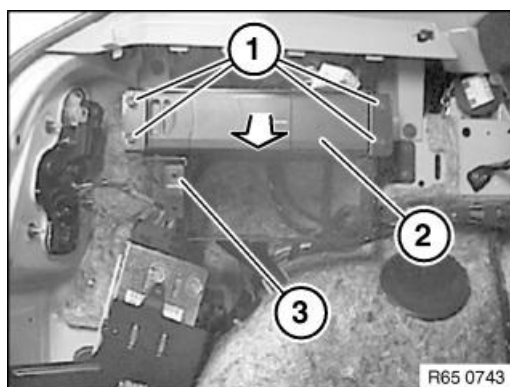


*Necessary preliminary tasks:*

- Disconnect [battery earth lead](#)
- Remove [left wheel arch panel](#)

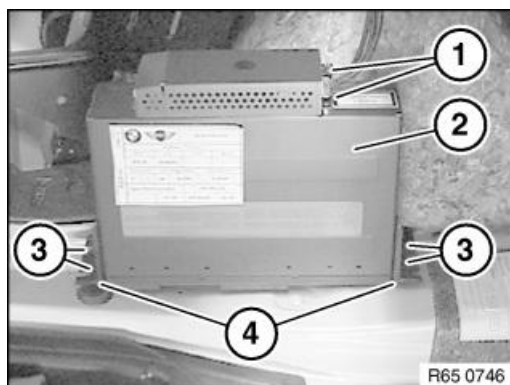
*Note:*

Follow instructions for [handling optical fibres](#).



Release screws (1).

Pull CD changer (2) out of holder (3) in direction of arrow.



Disconnect plug connection (1).

Remove CD changer (2).

**Replacement:**

Release screws (3) and remove retaining bracket (4) from CD changer (2).

**Important!**

Read and comply with notes on [protection against electrostatic damage \(ESD protection\)](#).

**Note:**

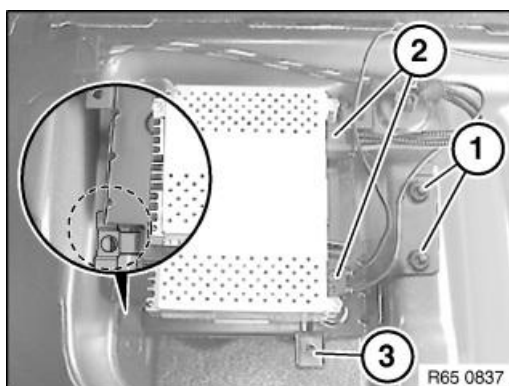
[Follow instructions for handling optical fibres.](#)

**Necessary preliminary tasks:**

- Disconnect [battery negative lead](#)
- Remove [luggage compartment floor trim](#)

**E93:**

- Remove [panel for luggage compartment partition](#)

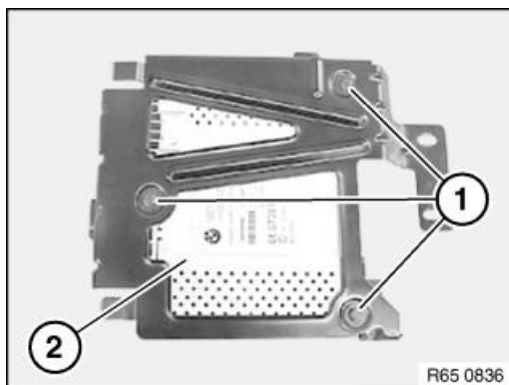


Release screws (1).

Disconnect plug connections (2) and remove bracket with DAB tuner (3).

**Installation:**

DAB tuner bracket (3) must be inserted in guides.

**Replacement:**

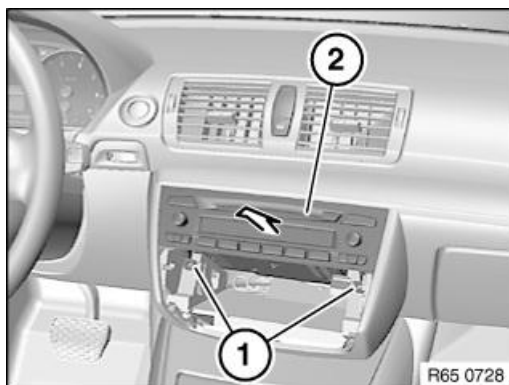
Release screws (1) and remove DAB tuner (2).

*Note:*

Comply with notes and instructions on [handling optical fibres](#) .

**Necessary preliminary tasks:**

- Clamp off [battery negative lead](#)
- Remove [control panel for heating and A/C system](#)



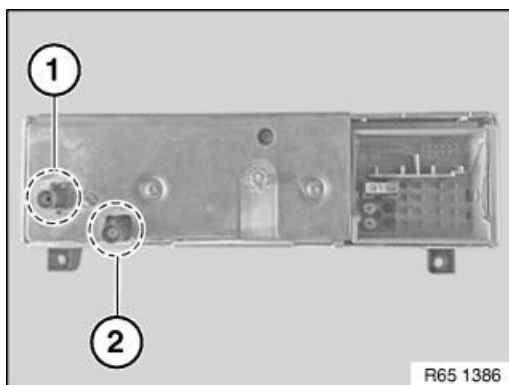
Release screws (1).

Pull back radio (2) slightly.

Disconnect associated plug connections and remove radio (2).

*Installation:*

Make sure the rear guide pin of the radio (2) is correctly seated in the associated mounting.

*US version only:*

If there is a violet aerial connection (1) as well as the black aerial connection (2), additional tasks are required when replacing the radio!

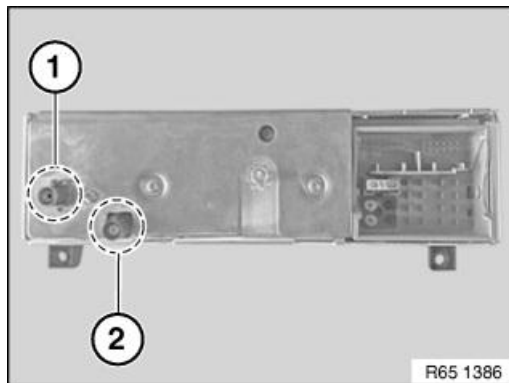
Read and observe document [Replacing satellite tuner](#) .

**Replacement:**

Carry out [vehicle programming/encoding](#) .

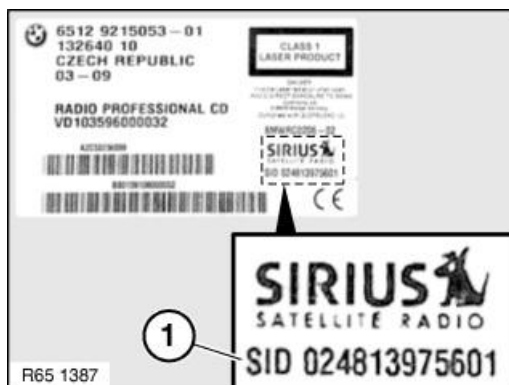
**Necessary preliminary work:**

- Remove [radio](#)

*Note:*

Satellite tuner can be recognized by the violet aerial connection (1) which is also located next to the black aerial connection (2).

**Additional work is required when the satellite tuner is replaced!**

**Replacement:**

Record SID number (1) of the removed device.

*Note:*

The SID number (1) can be found on the label of the housing.

Record SID number (1) of the new device.

**Replacement:**

Carry out [vehicle programming/encoding](#).

**Replacement:**

Please contact Sirius. Use the SID number to cancel current device and register new one.

## 65 12 ... Install the correct navigation map (after replacing the head unit as from 07/2015)

Install the correct navigation map depending on the validity of the customer subscription after having replaced the head unit for vehicles with a production date as from 07/2015.

*Different cases:*

Customer subscription is **still valid**:

- Install the most recent navigation map.

Customer subscription has **expired**:

- Check when the customer subscription expired\*.
- Install the navigation map applicable on the expiry date.

The customer subscription has **expired**. **After the expiry** of his/her subscription, the customer **purchased a newer version of the navigation map** ("One Time Update"):

- Check which navigation map was installed most recently\*.
- Install this navigation map

\* The information required to determine the term of the customer subscription is available in the following path:

### Aftersales Information Research (AIR)

- Navigation map

The following table is displayed in the "Navigation map" menu:

| Installed map<br>(Status with date)                                                                                      | Enabling code<br>(Subscription)                                                                                                                                                              | Free update                                                                                                                                                                                                                                                  | Update subject to a charge                                                                                                                                                                                                                                    |
|--------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| In this field the currently installed map with year specification is displayed.<br><br>(E.g. navigation map Europe 2015) | Displayed in this field is: <ul style="list-style-type: none"><li>• Validity of the subscription (E.g. valid until 31.10.2017)</li><li>• or an enabling code for "One Time Update"</li></ul> | Displayed in this field is: <ul style="list-style-type: none"><li>• During a valid subscription of the current, free enabling code</li><li>• The last functional, free enabling code is shown if the subscription or "One time update" has expired</li></ul> | Displayed in this field is: <ul style="list-style-type: none"><li>• The field is empty during a valid subscription</li><li>• The next available, most recent enabling code subject to a charge if the subscription or "one time update" has expired</li></ul> |

Go to the following path for more information on navigation, such as update variants, new features and compatibility tables:

### After-sales Assistance Portal (ASAP)

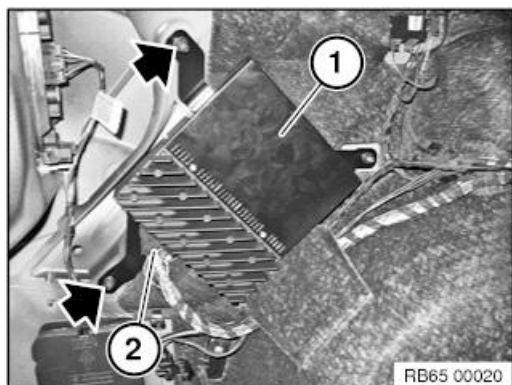
- Product information bulletin
- 07 Infotainment and communication
- 03 Navigation update

**Important!**

Read and comply with notes on protection against electrostatic damage ([ESD protection](#)).

*Necessary preliminary work:*

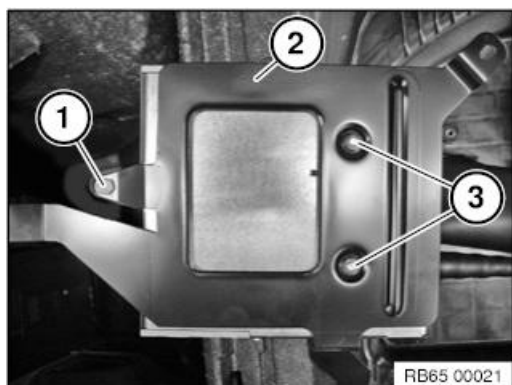
- Remove [luggage compartment wheel arch panel on left](#).
- Disconnect [negative battery cable](#)



Unscrew nuts.

Remove amplifier (1) with holder.

Unfasten plug connection (2) and disconnect.

Replacement:

Release screw (1) and nuts (3).

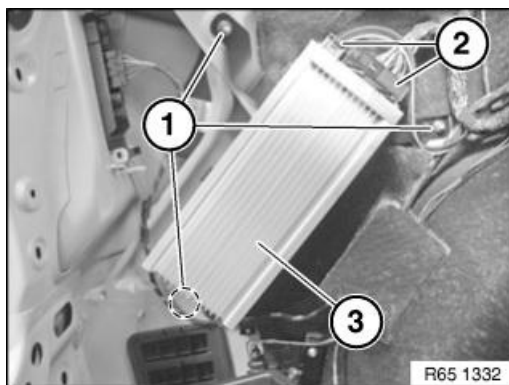
Remove holder (2) from amplifier.

**Important!**

Read and comply with notes on protection against electrostatic damage ([ESD protection](#)).

*Necessary preliminary work:*

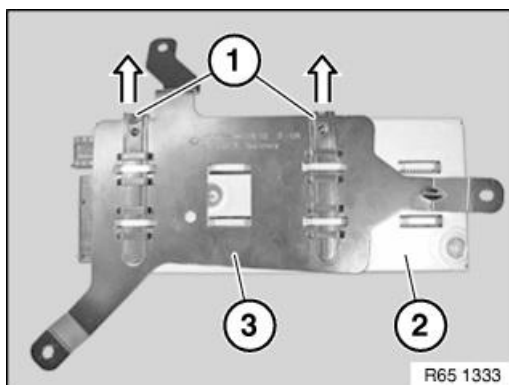
- Remove [luggage compartment wheel arch panel on left](#).
- Disconnect [negative battery cable](#)



Unscrew nuts (1).

Unlock plug connections (2) and disconnect.

Remove amplifier (3) with holder.

Replacement:

Pull out retaining plates (1) in direction of arrow.

Remove amplifier (2) from holder (3).

Replacement:

Carry out [vehicle programming/encoding](#).

**Important!**

Read and comply with notes on [protection against electrostatic damage \(ESD protection\)](#).

**Note:**

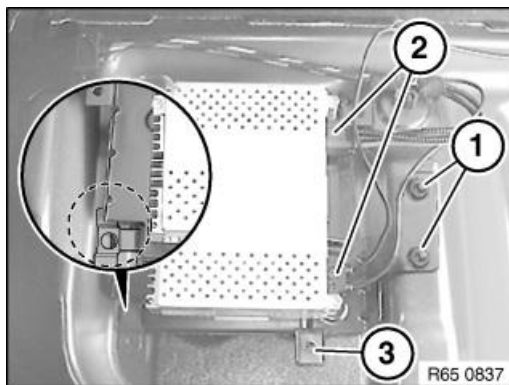
[Follow instructions for handling optical fibres.](#)

**Necessary preliminary tasks:**

- Disconnect [battery negative lead](#)
- Remove [luggage compartment floor trim](#)

**E93:**

- Remove [panel for luggage compartment partition](#)

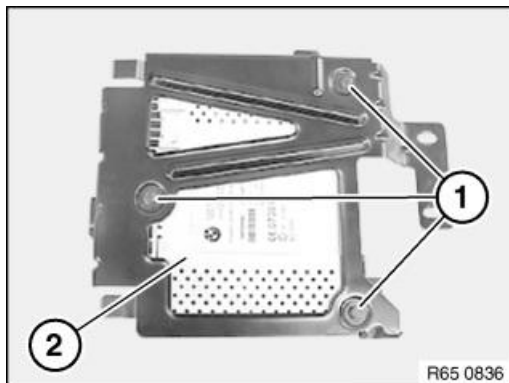


Release screws (1).

Disconnect plug connections (2) and remove bracket with DAB tuner (3).

**Installation:**

DAB tuner bracket (3) must be inserted in guides.

**Replacement:**

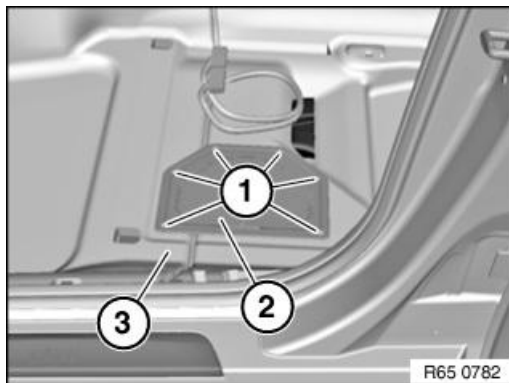
Release screws (1) and remove DAB tuner (2).

## 65 12 050 Removing and installing/replacing left or right central bass speaker (under front seat)



*Necessary preliminary tasks:*

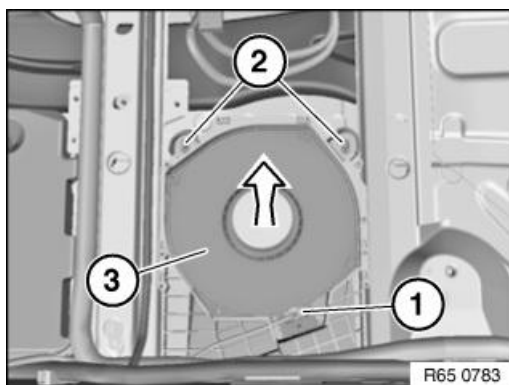
- Remove [front seat](#)
- If necessary, remove [panel for door pillar \(bottom\)](#)



Release screws (1).

Remove central bass speaker trim (2) from floor trim (3).

Fold back floor panel (3) in direction of arrow.



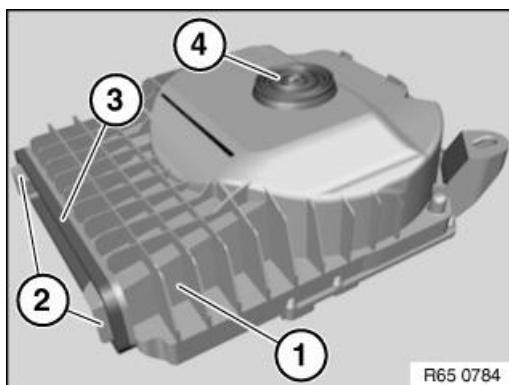
*Note:*

Floor panel shown removed for purposes of clarity.

Unfasten plug connection (1) and disconnect.

Unscrew nuts (2).

Feed out central bass speaker (3) in direction of arrow and remove.



*Installation:*

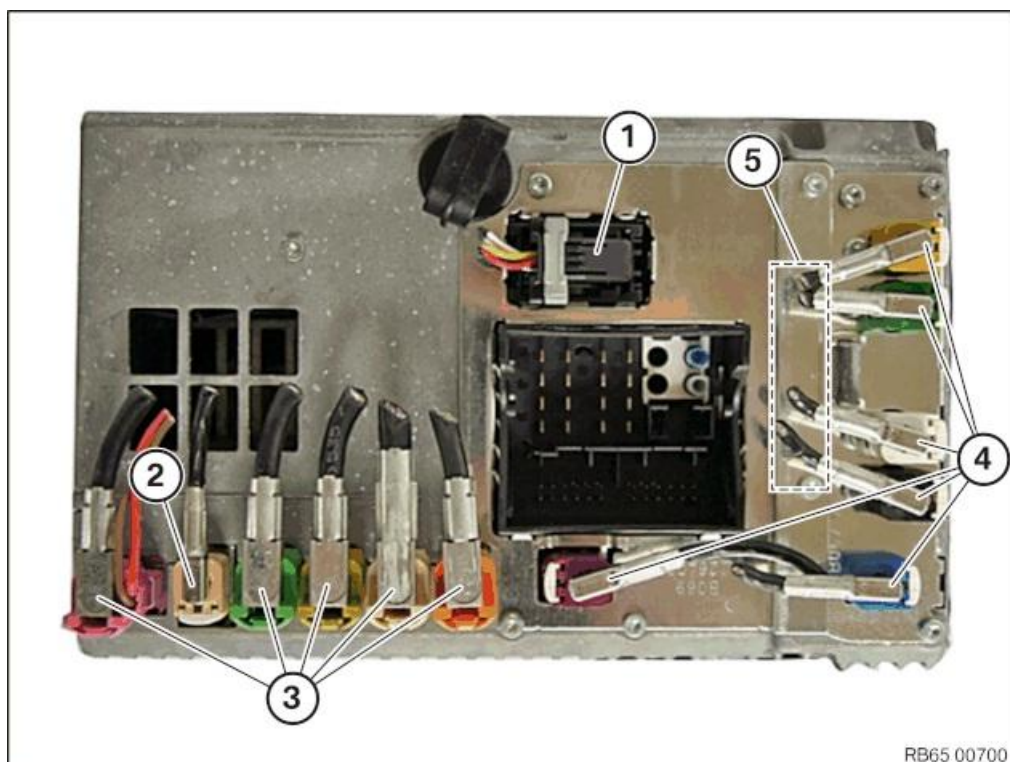
Make sure seal (3) and rubber damper (4) are correctly seated on central bass speaker (1).

Insert central bass speaker (1) with guides (2) exactly in frame side member.

**Attention!**

If **lines are disconnected** in the vehicle interior during a theft of electronic components, the disconnected lines **are to be individually repaired or replaced**.

Replacement **of the complete audio wiring harness is not permitted**.



The figure shows a stolen head unit with connectors and disconnected line parts. Disconnected lines without a connector remain in the vehicle.

The number and arrangement of lines can vary according to the equipment.

All parts necessary for repair are available in the Electronics Parts Catalogue.

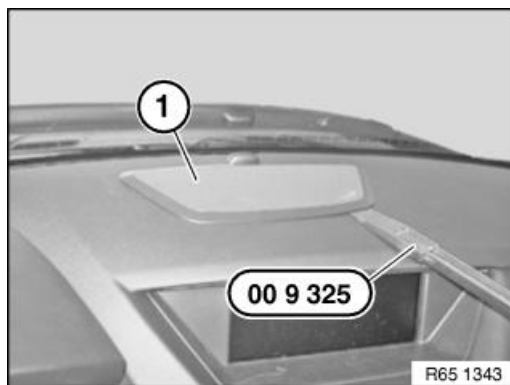
1. Repair connector with lines with the "TV module" repair kit.
- 2./4. If the (5) coaxial lines (aerial lines) are cut close to the connector, attach a new connector. Otherwise, completely replace coaxial lines (aerial lines) (line extension not possible).  
**Exception:** The connector cannot be repaired on **RG174** lines.
3. Completely replace HSD lines (repair not possible).

## 65 13 065 Removing and installing/replacing front speaker carrier (in dashboard trim)

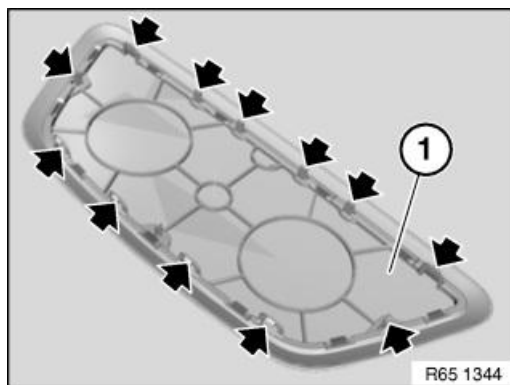


Special tools required:

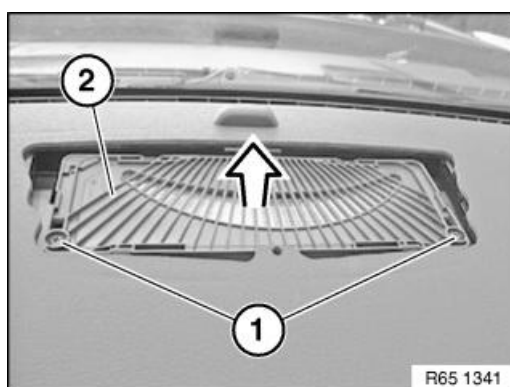
- [00 9 325](#)



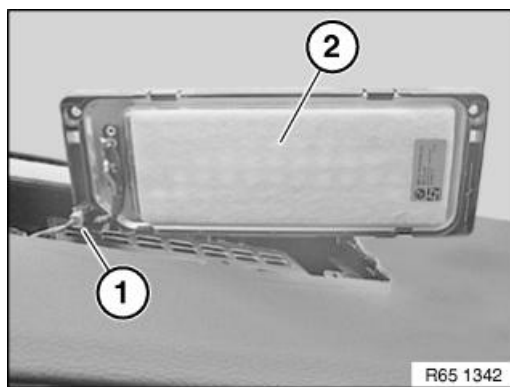
Unclip trim (1) with special tool [00 9 325](#) from latch mechanisms and remove upwards.



Retaining lugs (1) on speaker covers (2) must not be damaged. Make sure speaker cover (2) is correctly seated.



Release screws (1).  
Remove speaker (2) upwards.



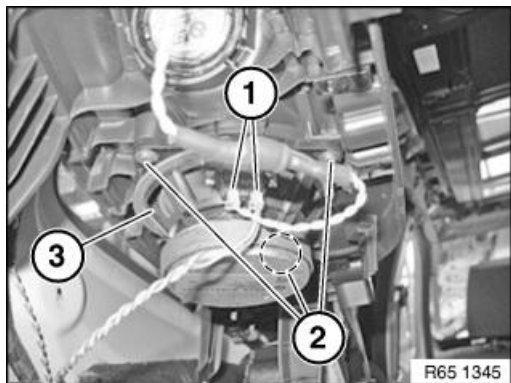
Disconnect plug connection (1) from speaker (2).  
Remove speaker (2).

## 65 13 188 Removing and installing/replacing rear mid-range speaker (fixture for storage shelf)



### Necessary preliminary tasks:

- Remove [luggage compartment wheel arch panel](#)



Disconnect plug connection (1).

Secure speaker (3) from falling.

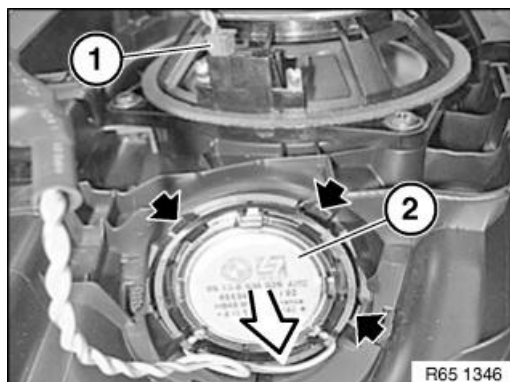
Unfasten screws (2).

Remove speaker (3).



*Necessary preliminary tasks:*

- Remove [luggage compartment wheel arch panel on left](#).



Disconnect plug connection (1).

Unlock retaining lugs.

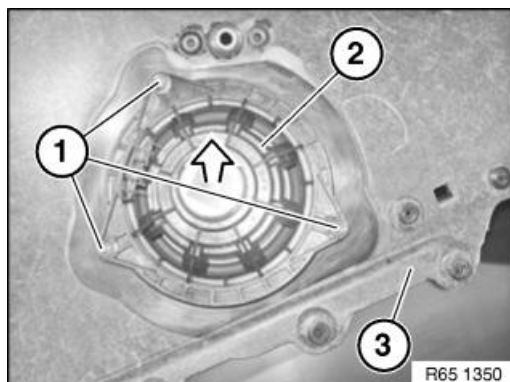
Remove tweeter (2).

## 65 13 070 Removing and installing/replacing speaker (mid-range speaker in door trim panel)



*Necessary preliminary tasks:*

- Remove front [door trim panel](#).

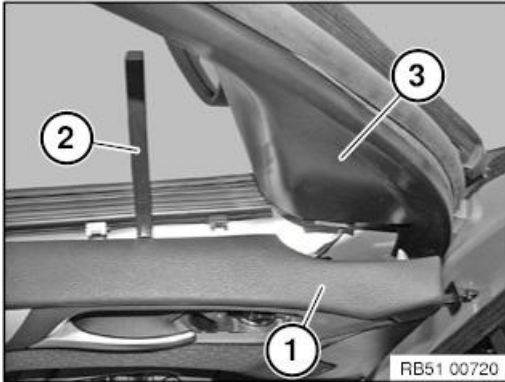


Release nuts (1) and remove speaker (2) in direction of arrow from door trim (3).



**Special tools required:**

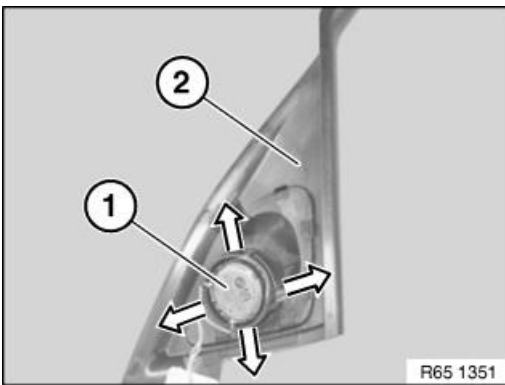
- [00 9 325](#)



Partially unclip door trim panel (1) in the area of the rearview mirror with special tool [00 9 325](#).

Secure door trim panel (1) with suitable tool (2).

Partially loosen door window frame cover (3).



**Note:**

Cover on window frame shown removed for purposes of clarity.

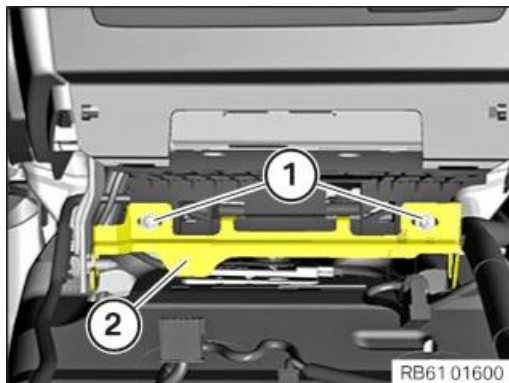
Unlock catches and remove speaker (1) from cover on window frame (2).

Disconnect plug connection and remove speaker.



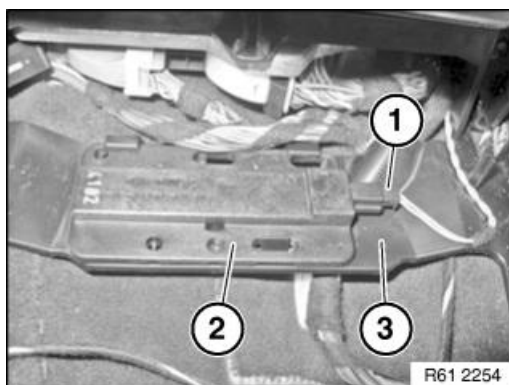
*Necessary preliminary tasks:*

- Remove [centre console](#).



Release screws (1).

Feed out holder (2).



Disconnect plug connection (1).

Unlock and remove interior aerial for Comfort Access (2) from bracket (3).

*Installation note:*

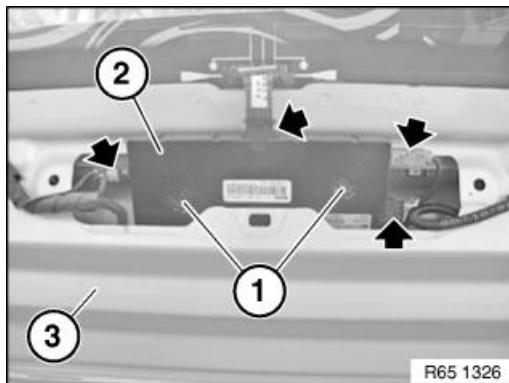
Make sure interior aerial for Comfort Access (2) is correctly seated in designated holder (3).

**Important!**

Read and comply with [notes](#) on protection against electrostatic damage (ESD protection).

*Necessary preliminary tasks:*

- Remove [trim for rear window frame at top](#)



Unlock all plug connections, if necessary, and disconnect.

Release screws (1).

Remove aerial amplifier (2) from tailgate (3).



*Necessary preliminary tasks:*

- Remove [backrest side section on rear seat back](#) .



Release bolt (1) and nut (3).

Unfasten plug connection (2) and disconnect.

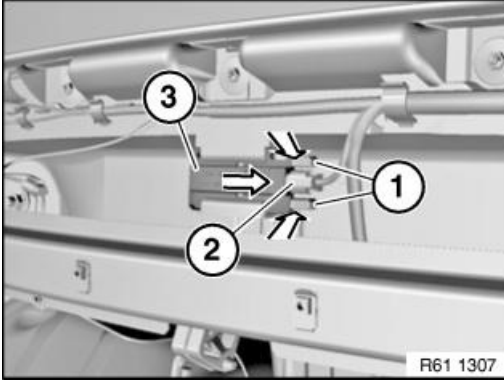
Remove back-up antenna (4) including holder.

## 61 35 975 Removing and installing/replacing bumper antenna for Comfort Access System



### Necessary preliminary tasks:

- Remove [rear bumper trim](#)



Disconnect plug connection (2).

Unlock catches (1) and remove bumper antenna for comfort access system (3) in direction of arrow from holder.

### *Installation:*

Make sure bumper aerial/antenna for comfort access system (3) is correctly seated in holder.

## 65 20 030 Removing and installing/replacing empty housing for roof-mounted aerial



### Special tools required:

- [65 2 010](#)



### Warning!

Risk of injury!

Special tool has sharp edges!

Adapt working height to vehicle height with non-tilting and non-slip platform.

Handle special tool correctly and make sure it is positioned without tilting or slipping on the vehicle.

Special tool 65 2 010 is only permitted in conjunction with a suitable stepladder, see Service Information 08 13 08 479.

Risk of damage!

In order to prevent dents in the roof, do not exert any pressure on the roof.

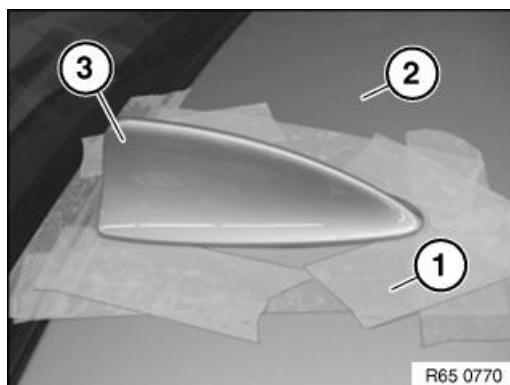


### Important!

Note to customer:

In order to guarantee a permanent connection and adhesive curing:

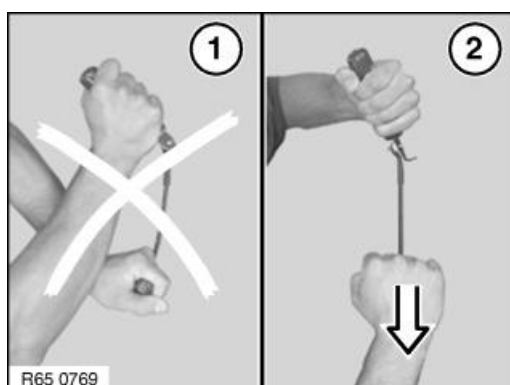
After bonding the empty housing for the roof-mounted aerial, wait 24 hours before driving the vehicle through a car wash.



*Note:*

Clean roof.

Mask roof (2) around empty housing for roof-mounted aerial (3) with yellow plastic adhesive tape (1). To do so, slide plastic adhesive tape under empty housing (3) slightly.

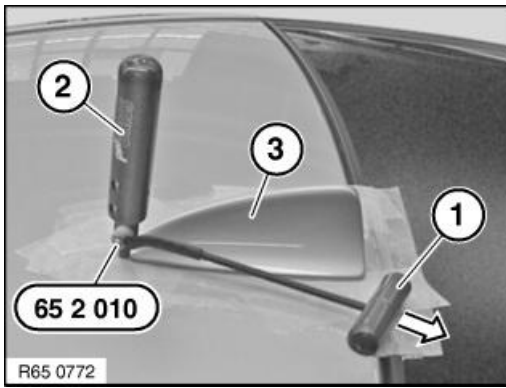


### Important!

Risk of damage!

Make sure your arms do not cross over (1) when holding special tool [65 2 010](#).

Pull handle must always be ahead of the guiding hand (2).



### Important!

Risk of damage!

To avoid damaging the paintwork on the roof and empty housing (3), do not fit special tool [65 2 010](#) skew.

Cut through adhesive bead all round with special tool [65 2 010](#).

Pull on handle (1) and align blade on handle (2).

*Note:*

Use sharp blades only. Replace blade if necessary.

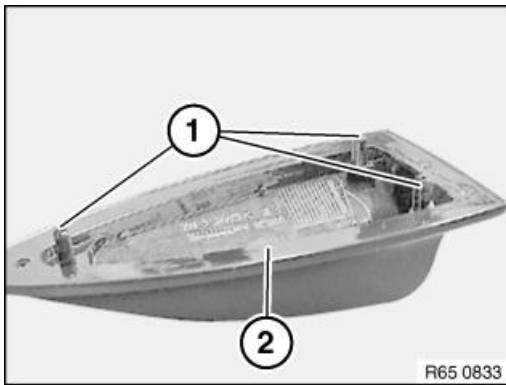
- Refer to Service Information [01 15 08 475](#)

Remove empty housing (3).



### Installation

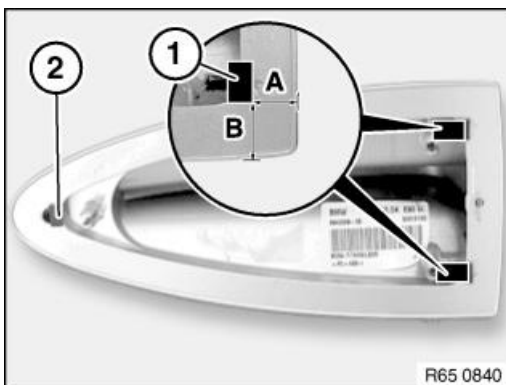
Empty housing for roof-mounted aerial is secured with window glass adhesive. All preparatory operations correspond to the [Window cementing instructions](#).



*Note:*

Replace empty housing for roof-mounted aerial if centering pins (1) on empty housing are damaged.

Bonding surface (2) must be clean and free from grease.



Position two spacers (1) on cleaned empty housing.

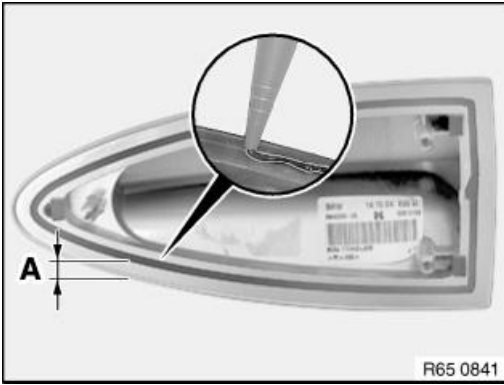
Dimensions:

- A. 10 mm
- B. 14 mm

Position spacer (2) centrally and flush with shoulder of adhesive flange.

### Important!

Use spacers without fail!



Apply trace of adhesive bead all round outer contour as follows.

Distance between adhesive bead and edge of aerial cover:

A.  $6.5 \text{ mm} \pm 1 \text{ mm}$

Start and end of bead trace must have an overlap length of max. 10 mm.

**Important!**

To prevent the adhesive from escaping, the adhesive bead diameter must not exceed max. 1.5 mm to 2.5 mm.



*Note:*

Attach the empty housing coated with adhesive by hand. To spread the adhesive better, move the housing back and forth horizontally slightly when pressing down.

Secure empty housing if necessary with adhesive tape and press down uniformly.

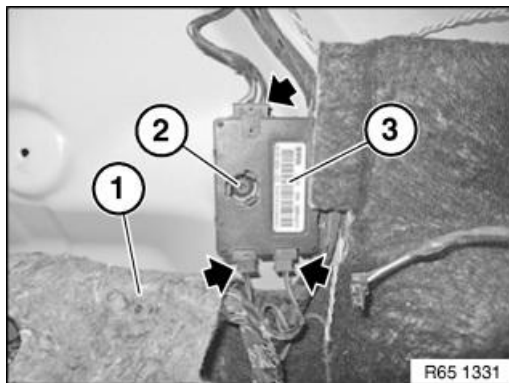
After bonding, leave vehicle to stand for at least 3 hours at room temperature.

## 65 20 350 Removing and installing/replacing interference suppression filter (left or right)



### Necessary preliminary tasks:

- Remove [luggage compartment wheel arch trim](#) on left or right



Bend sound insulation (1) to the side.

Release screw (2).

Remove interference suppression filter (3).

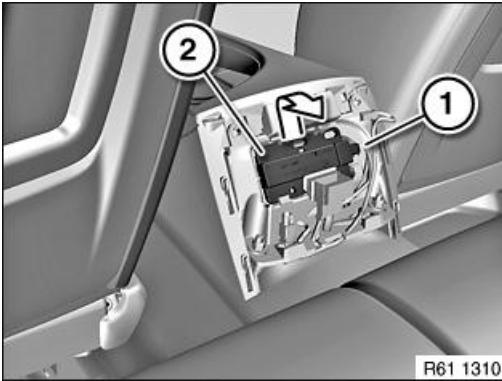
Unfasten plug connection.

## 61 35 954 Removing and installing/replacing interior aerial for comfort access system (rear)



*Necessary preliminary tasks:*

- Remove [trim on rear storage compartment](#)



Unclip interior aerial for comfort access system (2) in the direction of arrow and remove.

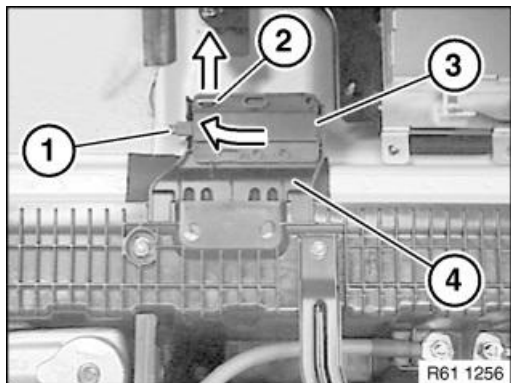
Disconnect plug connection (1).

## 61 35 970 Removing and installing/replacing rear luggage compartment antenna for comfort access system



### Necessary preliminary tasks:

- Remove [luggage compartment floor trim panel](#).

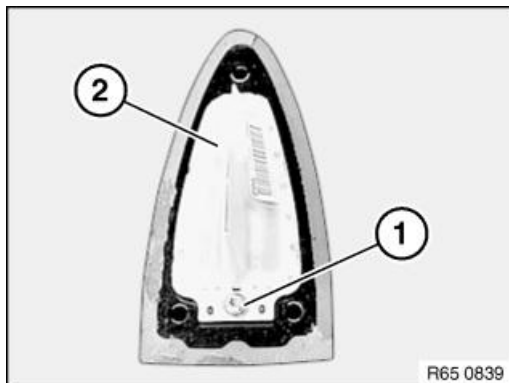


Disconnect plug connection (1).

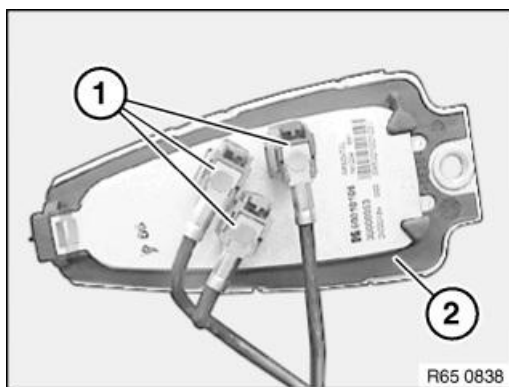
Unlock catches (2) and remove luggage compartment antenna for comfort access system (3) in direction of arrow from holder (4).

**Necessary preliminary tasks:**

- Detach [empty housing](#) for roof-mounted aerial/antenna



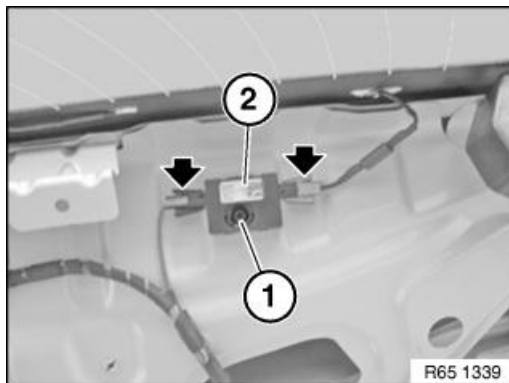
Release screw (1) and feed out roof aerial/antenna (2) towards top.



Disconnect plug connections (1) and remove aerial/antenna (2). *Installation:*  
Do not mix up aerial/antenna connections (1).

**Necessary preliminary tasks:**

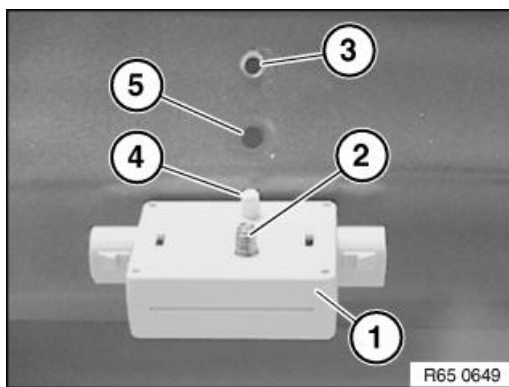
- Remove [panel for rear lid](#) .



Unlock plug connections and disconnect.

Release screw (1).

Remove blocking circuit (2) in direction of arrow.

**Installation:**

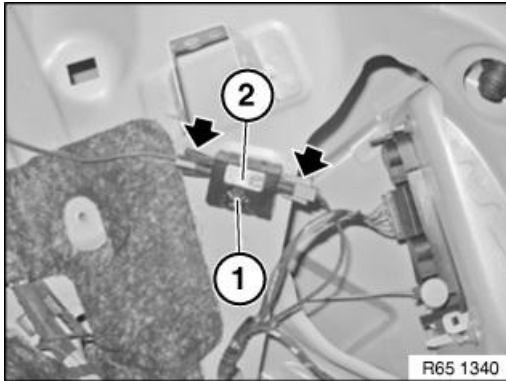
Fit blocking circuit (1) so that screw (2) engages thread (3) and locating pin (4) engages bore (5).

## 65 24 020 Removing and installing/replacing blocking circuit (luggage compartment)



### Necessary preliminary tasks:

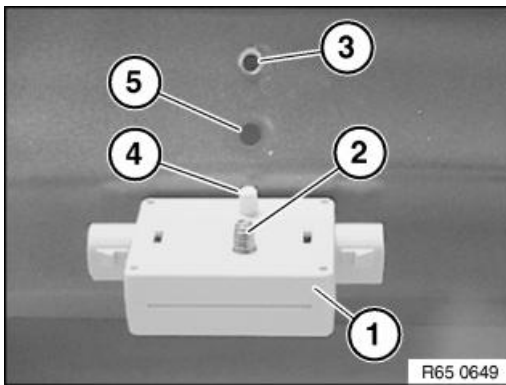
- Remove [right luggage compartment wheel arch trim](#).



Unlock plug connections and disconnect.

Release screw (1).

Remove blocking circuit (2) in direction of arrow.



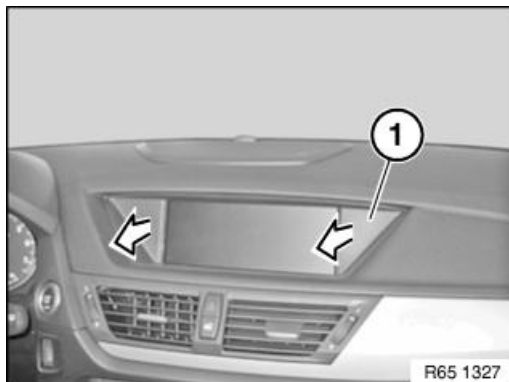
### Installation:

Fit blocking circuit (1) so that screw (2) engages thread (3) and locating pin (4) engages bore (5).

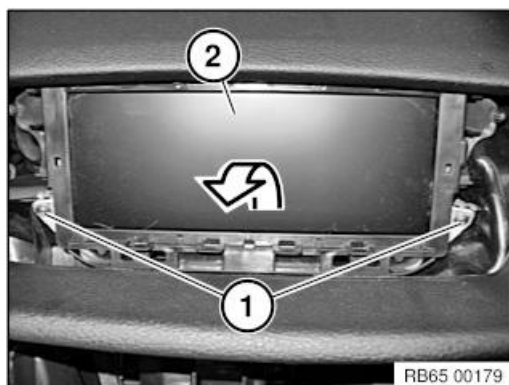


**Important!**

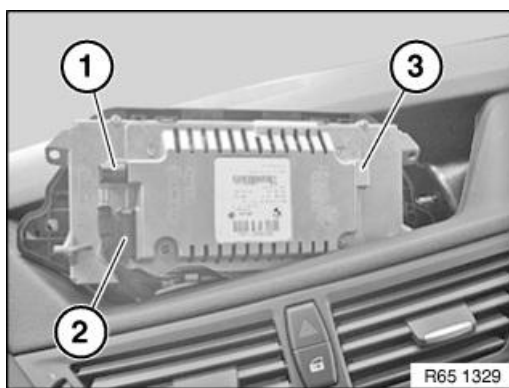
Read and comply with [notes](#) on protection against electrostatic damage (ESD protection).



Remove cover (1) in direction of arrow. *Installation note:*  
Cover (1) must be correctly engaged.



Release screws (1).  
Feed out CID (2) towards front.



Unlock and detach plug connections (1 and 2).

*Installation note:*  
Make sure wiring harness is correctly laid.

Remove CID (3).

## 65 50 170 Removing and installing/replacing cover for Central Information Display (CID)



### Special tools required:

- [00 9 460](#)



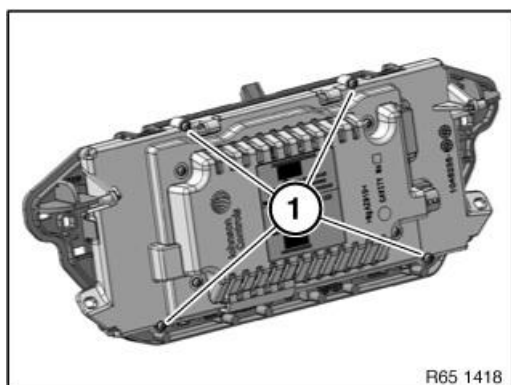
### Important!

Read and comply with notes on [protection against electrostatic damage \(ESD protection\)](#).



### Necessary preliminary work:

- Remove [Central Information Display \(CID\)](#)

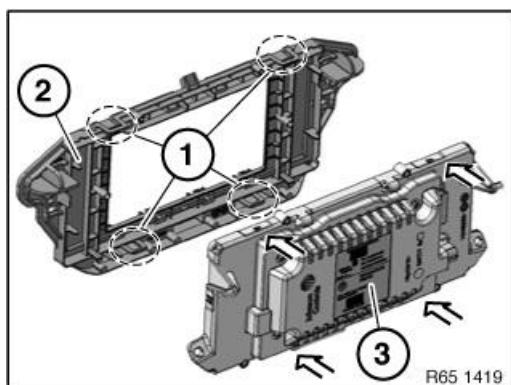


Release screws (1).

Tightening torque: [65 50 1AZ](#)

### Note:

To tighten screws, use special tool [00 9 460](#).



### Important!

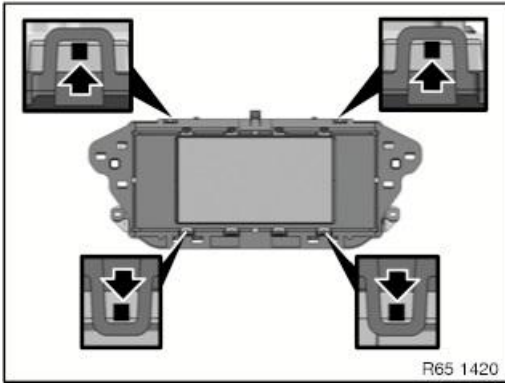
#### Risk of damage !

Carefully unlock latch mechanisms (1) with a suitable tool. Remove cover (2) from Central Information Display (3).



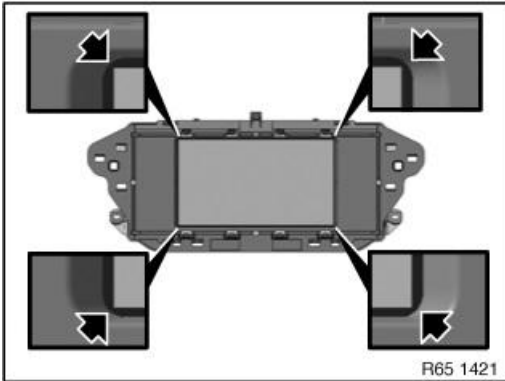
### Important!

Before/after assembly, cover is bolted to the Central Information Display, correct installation position must first be checked!



*Installation note:*

Before connecting the screw connection, check whether latch mechanisms marked with an arrow are correctly seated.



*Installation note:*

Before connecting the screw connection, check all-round rim at the places marked with an arrow.



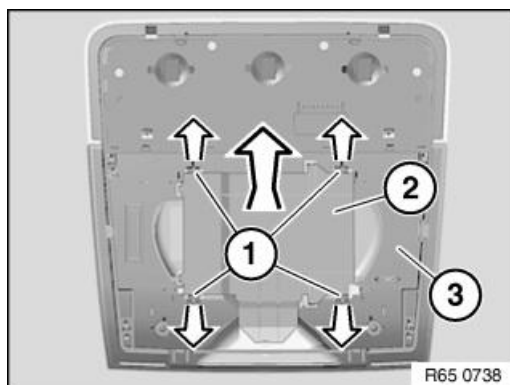
**Important!**

Read and comply with [notes](#) on protection against electrostatic damage (ESD protection).



*Necessary preliminary tasks:*

- Remove [ceiling light \(rear\)](#).



Open retaining hook (1), and detach and remove module for interior movement detector (2) from trim (3) in direction of arrow. *Installation note:* Retaining hooks (1) must not be damaged.



Replacement:

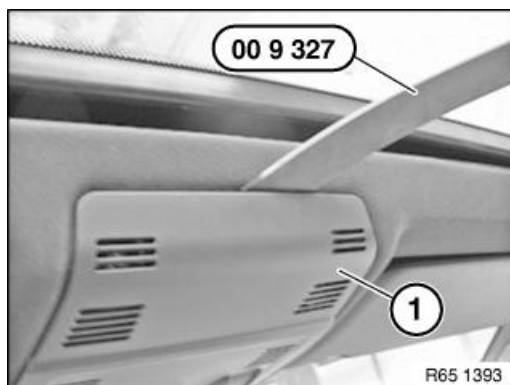
Carry out [programming/encoding](#).

## 65 75 071 Removing and installing module interior movement detector (replacing, in version with panorama glass roof)

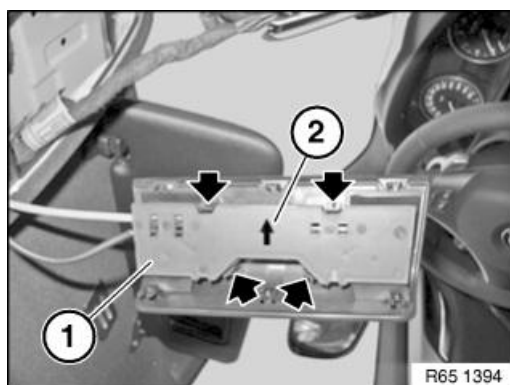


### Important!

Read and comply with [notes](#) on protection against electrostatic damage (ESD protection).



Lever out interior movement detector module cover (1) with special tool 00 9 327.



Unlock retaining lugs.

Remove interior movement detector module (1) from bracket.

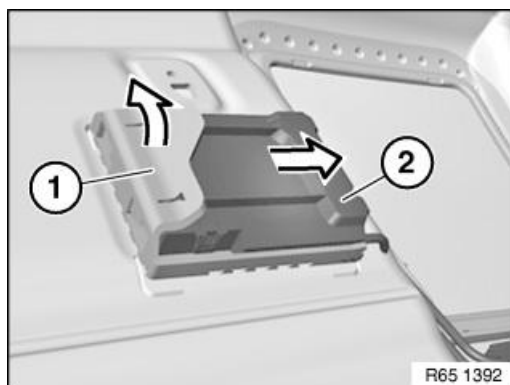
*Installation:*

Check installed direction.

Arrow (2) must point in direction of travel!



- Remove [roof switch cluster](#)



*Note:*

Shown here with roofliner removed for purposes of clarity.

Unlock latch mechanisms (1) with suitable tool.

Feed out interior movement detector module (2).

Unlock associated plug connection and disconnect.

Remove interior movement detector module (2).



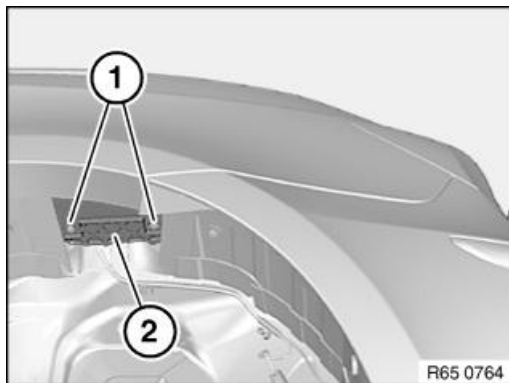
Replacement:

Carry out [vehicle programming/encoding](#).

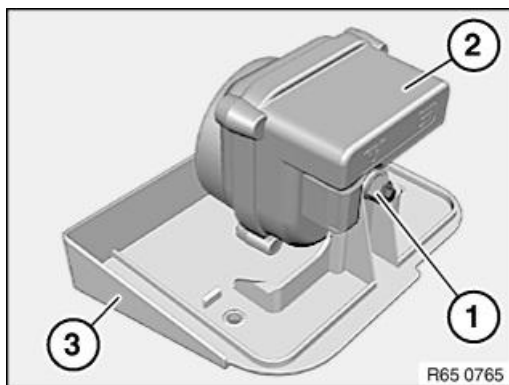


*Necessary preliminary tasks:*

- Remove [rear left wheel arch panel](#)



Undo screws (1) on the rear left wheel arch and lower mounting plate (2).  
Unlock and disconnect accompanying plug connection and remove mounting plate (2).



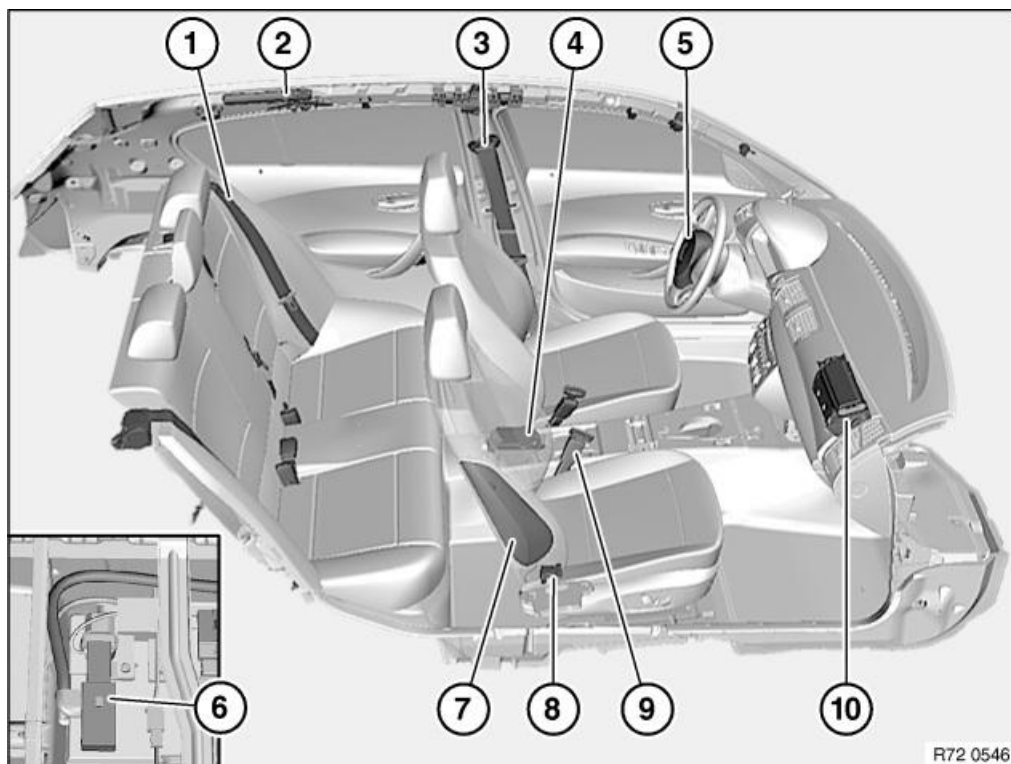
Release nut (1) and remove emergency power siren with tilt sensor (2) from mounting plate (3).



Replacement:

Carry out [vehicle programming/encoding](#).

## 72 12 ...      Airbag module, belt, airbag sensor and airbag control unit overview



### 0 [Safety precautions and general information](#)

- |                                              |                                                                      |
|----------------------------------------------|----------------------------------------------------------------------|
| 1 <a href="#">Belt, rear, complete</a>       | 6 <a href="#">Safety battery terminal</a>                            |
| 2 <a href="#">Head airbag, left/right</a>    | 7 <a href="#">Side airbag (front seat)</a>                           |
| 3 <a href="#">Belt, front left/right</a>     | 8 <a href="#">Sensor B-pillar (left/right)</a>                       |
| 4 <a href="#">Airbag control unit</a>        | 9 <a href="#">Lower strap (seat belt tensioner) front left/right</a> |
| 5 <a href="#">Airbag unit, driver's side</a> | 10 <a href="#">Airbag module on passenger's side</a>                 |

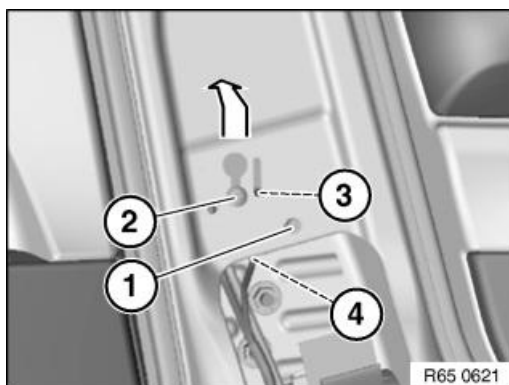
**Warning!**

[Note airbag safety instructions](#) !

Incorrect handling can activate airbag and cause injury.

*Necessary preliminary tasks:*

- [Disconnect battery negative lead](#) and cover
- Remove [panel for door pillar](#) .



Release screw (1).

Loosen screw (2).

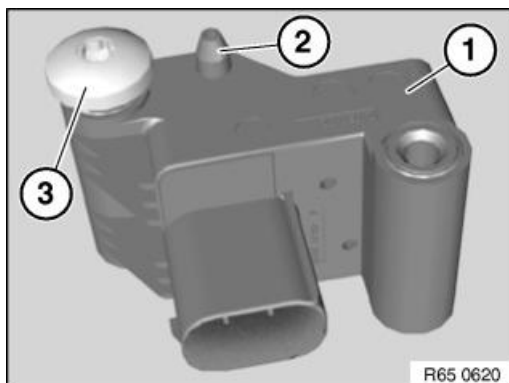
*Installation:*

Tightening torque [65 77 3AZ](#) .

Raise B-pillar sensor (3) slightly through opening in B-pillar and feed out towards rear.

Unlock plug connection (4) and disconnect.

Remove B-pillar sensor (3) from B-pillar.

*Installation:*

Establish correct positioning of B-pillar sensor (1) by means of guide pin (2) and screw (3).

**Important!**

Read and comply with notes on protection against electrostatic damage ([ESD protection](#)).

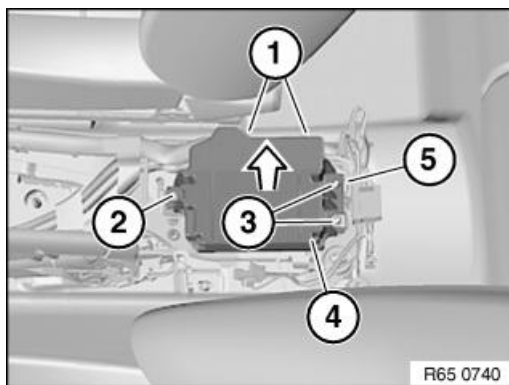
**Warning!**

[Note airbag safety instructions!](#)

Incorrect handling can activate airbag and cause injury.

*Necessary preliminary tasks:*

- [Disconnect battery negative lead](#) and cover
- Remove complete [centre console](#)



If necessary, remove foam cover from airbag control unit.

Disconnect plug connection (1).

Release screw (2) and nuts (3).

Tightening torque [65 77 1AZ](#).

*Installation:*

Before screwing down airbag control unit (4), make sure negative lead (5) is resting on associated threaded pin.

Remove airbag control unit (4) in direction of arrow.

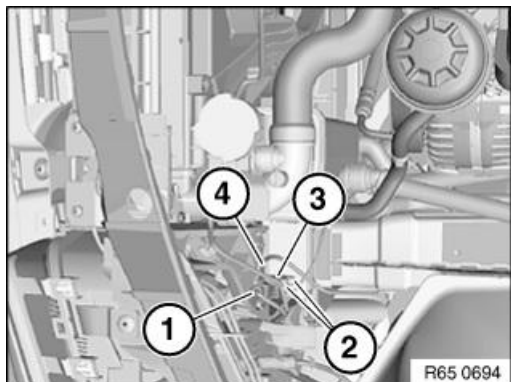
Replacement:

Carry out [programming/encoding](#).



*Necessary preliminary tasks:*

- **M54 only:**  
Remove intake silencer housing.



Unfasten plug connection (1) and disconnect.

Slacken screws (2), tightening torque 65 77 3AZ.

Remove front sensor (3).

*Installation note:*

Before making the sensor screw connection lay the ground cable (4).

## 65 77 745 Removing and installing/replacing front right door sensor (US version only)



Operation is described in:

[Removing and installing/replacing front left door sensor .](#)



Operation is identical to:

[Removing and installing left B-pillar sensor](#)

## 65 77 740 Removing and refitting/replacing front left door sensor (US version only)



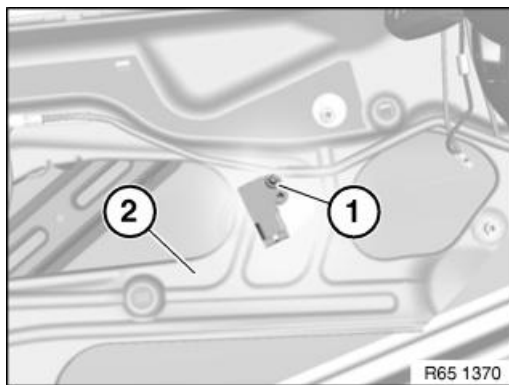
### Warning!

[Note airbag safety instructions !](#)



### Necessary preliminary tasks:

- Disconnect [battery negative lead](#)
- Remove [sound insulation from front door](#)



### Note:

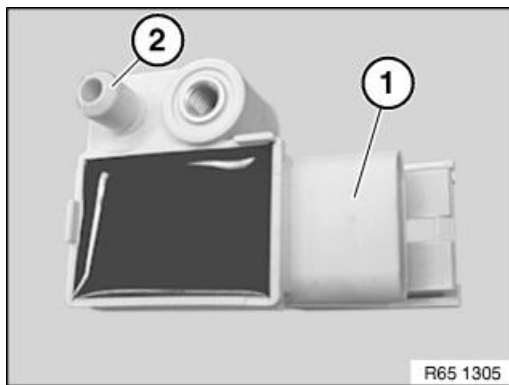
Inner door panel (2) shown as if transparent.

Release screws (1).

Tightening torque [65 77 4AZ](#) .

Detach front door sensor from inner door panel (2) and extricate.

Unlock associated plug connection and disconnect.



### Installation:

Make sure front door sensor (1) is in correct installation position.

Guide lug (2) must be correctly seated in corresponding mounting on front door.



### Replacement:

Carry out [vehicle programming/encoding](#) .

## 65 77 604 Replacing sensor mat (CIS mat) for front passenger seat occupancy detector



### Warning!

Note [airbag safety regulations](#)!

Incorrect handling can activate airbag and cause injury.



### Warning!

Only US and Canadian version of front passenger seat (with CIS mat):

The CIS mat can only be removed in conjunction with the padding from the seat cover.

If CIS mat or padding is defective, both parts may only be replaced together.

Full functional capability can only be guaranteed with original BMW spare parts.

After fitting the seat cover, the CIS mat must be enabled with the [BMW programming system](#).

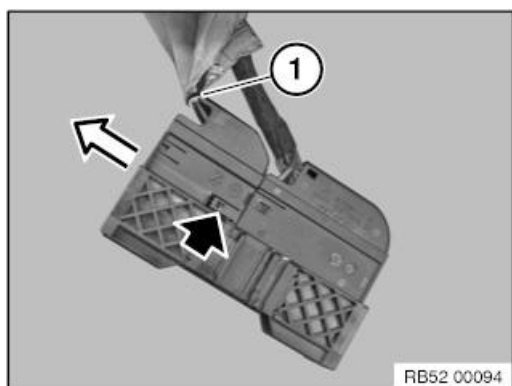


Procedure for replacing the CIS mat together with the upholstery is described in:

- Remove [padding for front seat](#)



The work scope with CIS mat is different for the following work steps:



Cut open cable strap (1).

Lift locking tab and pull the connector out of the side of the connector housing.

*Installation note:*

Replace cable tie (1).

Connector is encoded against incorrect assembly.



Enabling seat occupancy detector (CIS mat):

- Connect [BMW programming system](#)
- Encode airbag control unit
- Delete fault memory if necessary

**Warning!**

Note [airbag safety regulations](#)!

Incorrect handling can activate airbag and cause injury.

**Warning!**

US/CDN front passenger seat (with OC3 mat) only:

A defective OC3 mat may only be replaced complete with the upholstery and the seat cover.

New OC3 mat is supplied with upholstery, seat cover and if necessary seat heating.

After fitting, the OC3 mat must be enabled with the diagnosis system.

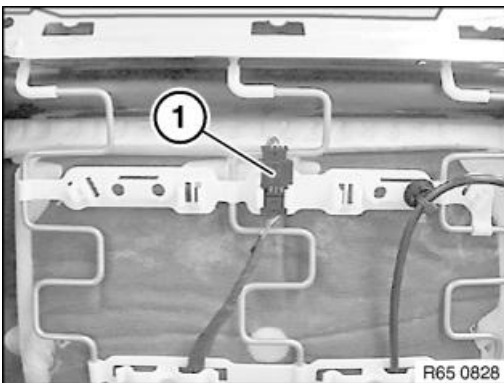
Separate components not available.

**Release seat occupancy detection:**

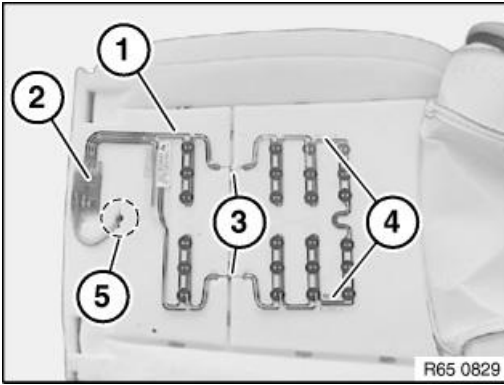
- Connect diagnosis system
- Release seat occupancy detection
- Delete fault memory if necessary

**Necessary preliminary tasks:**

- Remove [seat cover for right front seat](#)

**Disconnect plug connection (1).Important!**

To prevent the seat occupancy detector electronics box from slipping, do not pull too strongly on the cable.



Cut front bonding surface (4) in area on sensor mat (1) with cutter knife or heavy-duty scalpel from foam without damaging the foam and the sensor mat.

If necessary, also cut away deviating sticking points from seat cushion without incurring damage.

Remove sensor mat (1) and feed out electric line.

*Installation note:*

Observe assembly sequence:

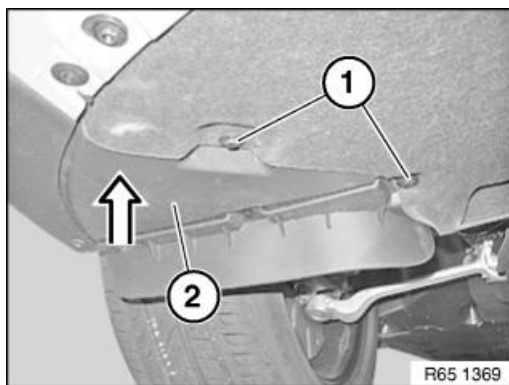
- Align new sensor mat (1) to seat cushion
- Guide cable in area (5) through hole penetration for seat cushion
- Press sensor mat down to base of basting groove in area (3) and align again
- Carefully staple cross trim wire of seat cover to holding wire of seat cushion
- Sensor mat must not be able to move and must be checked again
- Pull all protective film off sensor mat adhesive tapes and stick to seat cushion

### **Important!**

In order to guarantee the function and fastening (adhesive strength) at the bonding surfaces of sensor mat (1), the foam must not show any traces of damage.

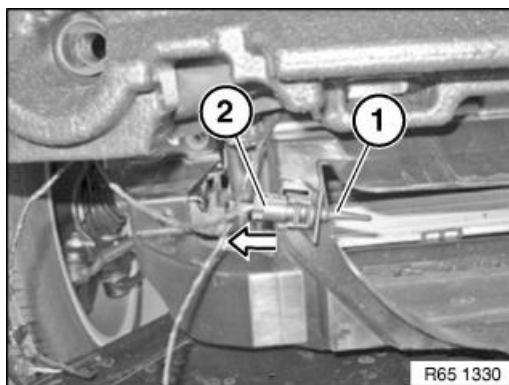
Replace the foam if it is hardened or damaged particularly in the area of the bonding surfaces.

To prevent the electronics box (2) from slipping, do not pull cable too strongly through hole penetration (5).



Release screws (1).

Press trim panel (2) upwards to reach outside temperature sensor through opening.



*Note:*

For purposes of clarity, graphic shows bumper removed.

Snap outside temperature sensor (1) in direction of arrow out of mounting.

Disconnect plug connection (2).

*Installation:*

Outside temperature sensor (1) must snap audibly into mounting.

## 65 50 170 Removing and installing/replacing cover for Central Information Display (CID)



### Special tools required:

- [00 9 460](#)



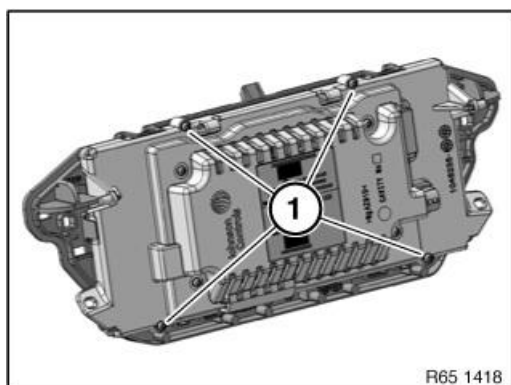
### Important!

Read and comply with notes on [protection against electrostatic damage \(ESD protection\)](#).



### Necessary preliminary work:

- Remove [Central Information Display \(CID\)](#)

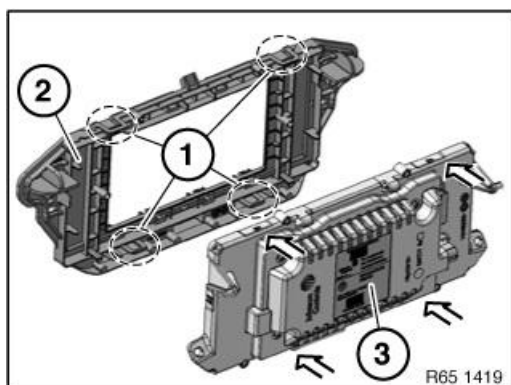


Release screws (1).

Tightening torque: [65 50 1AZ](#)

### Note:

To tighten screws, use special tool [00 9 460](#).



### Important!

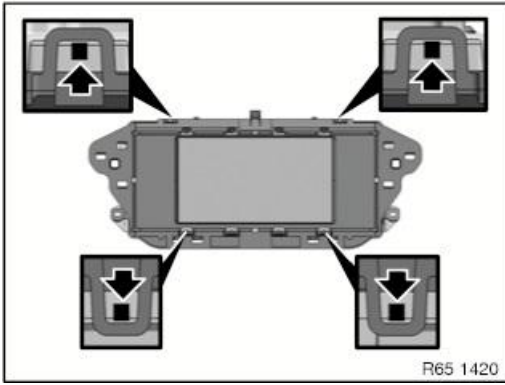
#### Risk of damage !

Carefully unlock latch mechanisms (1) with a suitable tool. Remove cover (2) from Central Information Display (3).



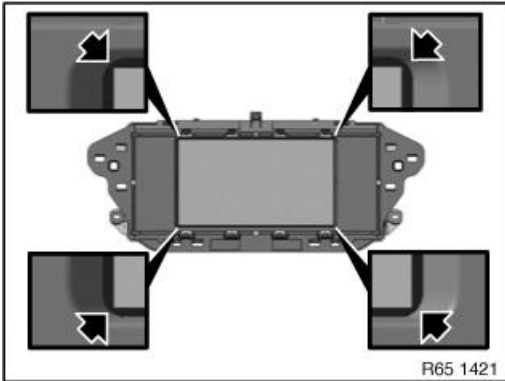
### Important!

Before/after assembly, cover is bolted to the Central Information Display, correct installation position must first be checked!



*Installation note:*

Before connecting the screw connection, check whether latch mechanisms marked with an arrow are correctly seated.



*Installation note:*

Before connecting the screw connection, check all-round rim at the places marked with an arrow.



**Special tools required:**

- [00 9 340](#)



**Important!**

Risk of damage!

A hard disk is installed in the Car Information Computer (CIC).

Carry out mechanical work on the CIC and adjacent components with care.

Avoid subjecting the CIC to vibration/shocks.



**Important!**

[Read](#) and comply with notes on protection against electrostatic discharge (ESD protection).



*Note:*

Comply with notes and notes on [handling optical fibres](#).



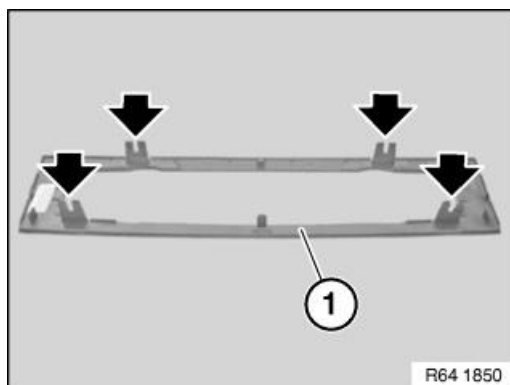
**Necessary preliminary tasks:**

- Clamp off [battery earth lead](#)
- Remove [centre console cover](#)
- **Version after 07/2012:** Release [centre console](#)



Fit special tool [00 9 340](#) on either side as illustrated.

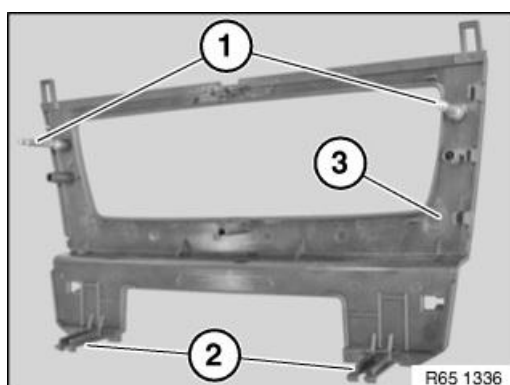
Unclip trim (1) and remove.



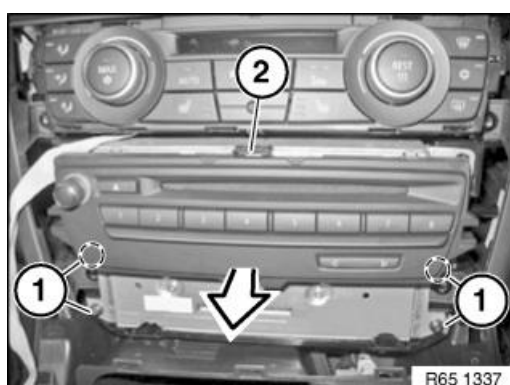
*Installation note:*  
All marked retaining lugs on trim of A/C operator unit (1) must not be damaged.



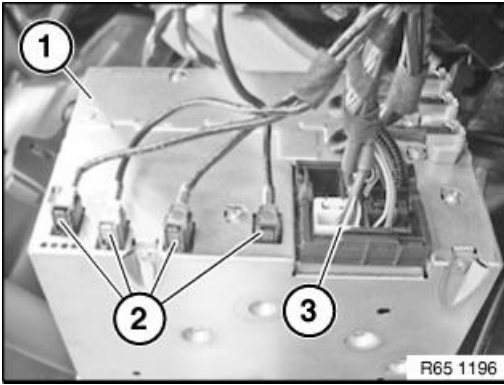
First unclip CIC trim (1) at the top and then at the bottom.  
Remove CIC cover (1).



*Installation note:*  
Guide pins (1) and retaining lugs (2) on CIC trim (3) must not be damaged.



Release screws (1).  
Pull CIC (2) out of guide.  
*Installation note:*  
Make sure CIC (2) is correctly seated.



Unlock plug connections (2) and (3) and disconnect.  
Remove CIC (1).



Replacement:

Carry out [vehicle programming/encoding](#).

For vehicles with Teleservices optional equipment:

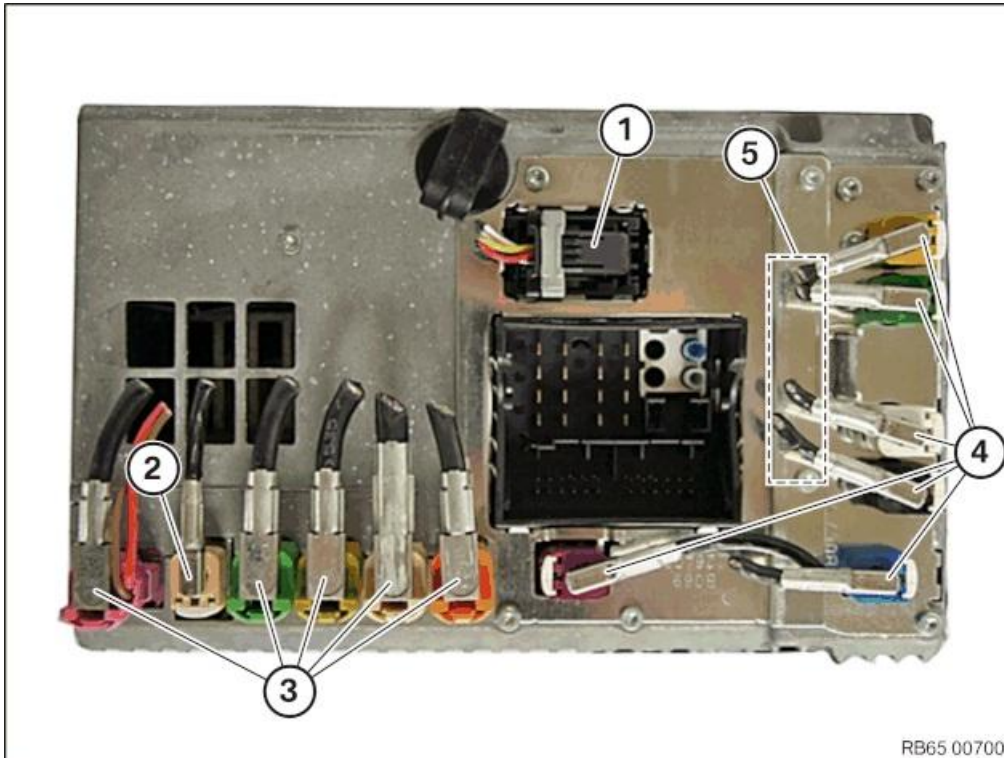
- Update services via menu in the central information display.



## Attention!

If **lines are disconnected** in the vehicle interior during a theft of electronic components, the disconnected lines **are to be individually repaired or replaced**.

Replacement **of the complete audio wiring harness is not permitted**.



The figure shows a stolen head unit with connectors and disconnected line parts. Disconnected lines without a connector remain in the vehicle.

The number and arrangement of lines can vary according to the equipment.

All parts necessary for repair are available in the Electronics Parts Catalogue.

1. Repair connector with lines with the "TV module" repair kit.
- 2./4. If the (5) coaxial lines (aerial lines) are cut close to the connector, attach a new connector. Otherwise, completely replace coaxial lines (aerial lines) (line extension not possible).  
**Exception:** The connector cannot be repaired on **RG174** lines.
3. Completely replace HSD lines (repair not possible).



### The following applies in general:

To avoid damage, observe the following instructions:

- Avoid compressive and tensile loads
- Make sure cables are laid without kinks or abrasions
- Ensure non-contacting routing at sharp-edged body parts; use edge protection if necessary
- Secure additionally laid cables/leads with cable ties

### The following additionally applies:

#### Shielded lines

Interference radiation and interference resistance can lead to neutral zones at contact points in the shielding. Consequently, distinctions have to be drawn between the following types:

#### Coaxial lines

- Shielded coaxial cables RTK031 may only be repaired with special [crimping tool](#).
- For aerial lines only the bushing contact may be repaired.
- RG174 Lines and the bushing contact may not be repaired.

#### CVBS lines

- CVBS cables may not be repaired.
- CVBS cables must be replaced in their entirety.

#### HSD lines

- HSD cables may not be repaired.
- HSD cables must be replaced in their entirety.

#### Optical fibre cable:

##### *Note:*

Fibre-optic cables are coloured differently as follows:

- Green = **MOST** (Media Oriented Systems Transport) optical fibres
- Yellow = **ISIS** (Intelligent Safety and Integration System) optical fibres
- Orange=repair fibre-optic cables

### Attention!

- Fibre-optic cables are permitted to show only one junction point (bridge), replace fibre-optic cables if necessary
- Smallest permissible bending radius is 25 mm
- Avoid effects of heat  $\geq 85^\circ$

#### [Treating cables and optical fibres](#)

#### FlexRay (twisted cables)

It is possible to repair the FlexRay. In the event of damage, the cables can be joined with conventional [butt connectors](#).

##### *Note:*

- FlexRay lines may only reveal one separation point (bride); renew

complete line if necessary.

- If possible, maintain twisted cable after repair.
- After repairs, twist cables as close as possible to the connector/separation point.
- Twisting must be as symmetrical as possible.

Airbag lines:

[Repairing airbag cables](#)

Ribbon cables:

[Repairing ribbon cables](#)

### Replacing wiring harnesses

Repair wiring harnesses mainly cover the full equipment of the vehicle. If certain optional equipment is not installed in the vehicle, note the following:

- If necessary, secure the remaining connectors.
- If necessary, seal the remaining connectors outside the vehicle interior, for example, with butyl tape in such a way that moisture ingress can be eliminated permanently.

*Note:*

**Repair wiring harnesses** can be equipped with an **additional socket housing** (e.g. 30-pin), **which was not provided on the previous vehicle-side wiring harness**. This socket housing also cannot be found in the wiring diagram.

### Procedure

The separation point between the vehicle-side wiring harness and the repair wiring harness is located **in the vehicle interior** (in the footwell, for example):

- Cut the additional socket housing and connect the lines to the vehicle-side wiring harness using a butt connector.
- Alternatively, a suitable pin housing can be fitted on the vehicle-side wiring harness and connected to the additional socket housing.

However, this is permitted only if the following conditions are met:

- Carpets must not protrude visibly or become deformed due to the installation of the additional plug connection.
- It must be possible to install the adjacent components (for example, trims, trim panels, etc.) correctly after installing the additional plug connection.
- All the attachment points of the adjacent components (for example, trims, trim panels, etc.) must engage correctly.
- There must be no rattling noise due to the installation of the additional plug connection.
- The additional plug connection must not damage the adjacent components/wiring harnesses, etc..

The separation point between the vehicle-side wiring harness and the repair wiring harness is located **outside the vehicle interior** (in the wheel arch, for example):

- Cut the additional socket housing and connect the lines to the vehicle-side wiring harness using a butt connector.
- **Using the additional socket housing is not permitted with a**

separation point outside the vehicle interior.