

51 16 160 Removing and installing center console trim

Overview of Activities

Additional Information

Preliminary Work

- 1 Deactivating the 48 V electrical system
- 2 Disconnecting all battery earth leads
- 3 Removing carpet on the left and right sides of the centre console



Main Work

- 4 Remove the centre console trim
- 5 Installing the centre console trim

Postprocesses

- 6 Installing the carpet on the left and right sides of the centre console
- 7 Disconnecting all battery earth leads
- 8 Activating the 48 V electrical system

General information

PRELIMINARY WORK

1–Deactivating the 48 V electrical system

[Additional information is available.](#)

Prerequisite

Ignition is switched off.

WARNING

Deactivation of the 12 V vehicle electrical system.

Risk of short circuits! Risk of fire!

- Make sure that **no charger** is connected to the jump start support point in the engine compartment.
- For vehicles with additional electrical systems (48 V electrical system, high-voltage vehicle electrical system), it is **mandatory** to deactivate them before disconnecting the 12 V system battery.

WARNING

Deactivation of the 48 V electrical system.

Risk of short circuits! Risk of fire!

- Make sure that **no charger** is connected to the jump start support point in the engine compartment.

RISK OF DAMAGE

Damage to 48-V battery

If a 48-V battery that is disconnected from the electrical system is activated, the battery electronics will be damaged.

- Only carry out activation of the 48V electrical system with a completely connected 48-V battery.

i TECHNICAL INFORMATION

Follow notes for 48-V battery. See further information 6120 ... Notes on 48-V battery.



- Deactivate the 48V electrical system by opening the bonnet.
The deactivation takes place automatically.

Check

i TECHNICAL INFORMATION

Zero voltage (48V electrical system is switched off) is displayed only in PAD mode.



- Press the START-STOP button quickly 3 times without stepping on the brake pedal to establish the PAD mode.
- Check that the instrument cluster (KOMBI) is de-energized in PAD mode.

desired state

- The Check Control message "48V electrical system switched off" is displayed.

Result

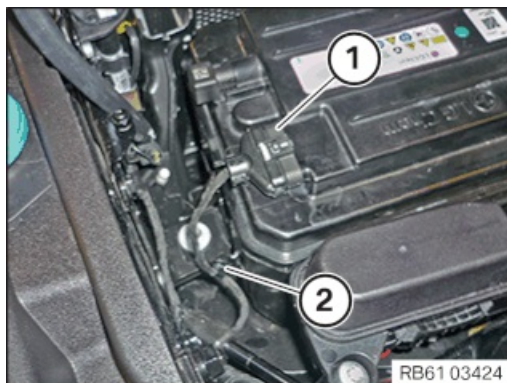
» **The absence of voltage** cannot be determined by means of the Check Control message "48V electrical system switched off". Starting work is not permitted.

Measure

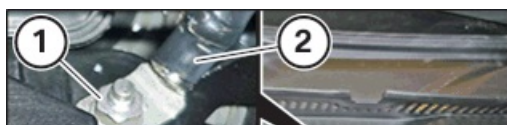
- Carry out the service function "48 V electrical system deactivation".
 - Vehicle management > Service functions > Voltage supply > Deactivate 48 V electrical system

The 12-V vehicle battery may not be unplugged until the Check Control message "48V electrical system switched off" is displayed in the instrument cluster (KOMBI).

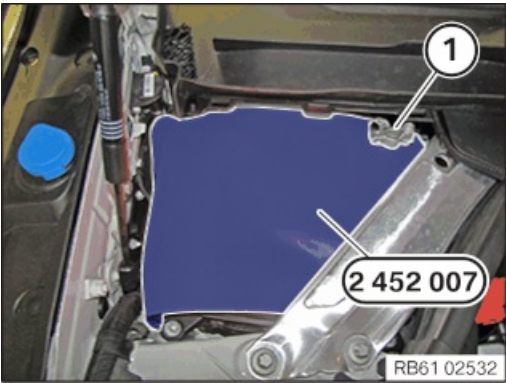
If the absence of voltage is not clearly indicated, contact Technical Support.



- Unlock and disconnect the plug connection (1) of the CAN bus.
- Release the clip (2).



- Loosen nut (1).
- Pull off the negative battery cable (2) of the 48-V battery from the negative battery terminal, set to one side and secure.



⚠ WARNING

Unprotected battery terminals.

Risk of short circuits! Risk of fire!

- Cover the vehicle battery.
- Cover the vehicle battery with the special tool **2 452 007** as shown.
- Position the battery earth lead (1) as shown.

2–Disconnecting all battery earth leads

[Additional information is available.](#)

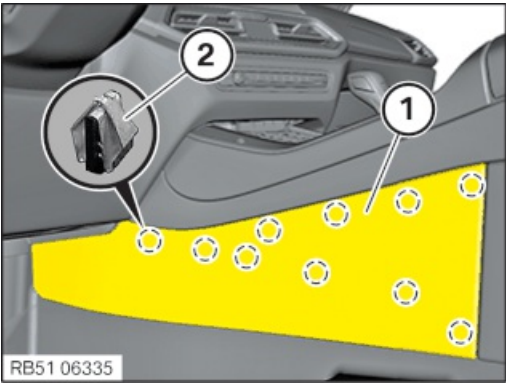


- See additional information.

3–Removing carpet on the left and right sides of the centre console

NOTICE

Description is for left component only. Procedure on the right side is identical.



► Removing the carpet from the centre console at the side

- Unclip carpet at the side of the centre console (1) starting from the front at the clamps (2) and remove.

MAIN WORK

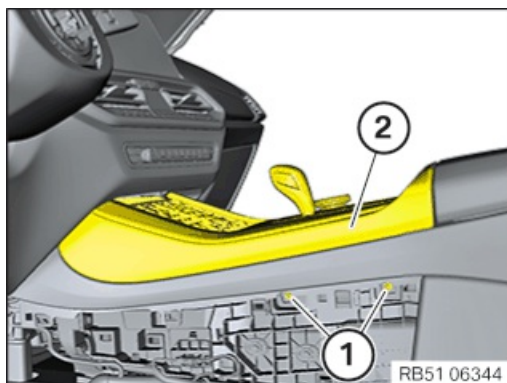
4-Remove the centre console trim

RISK OF DAMAGE

Scratches.

Tools and sharp-edged components can cause scratches.

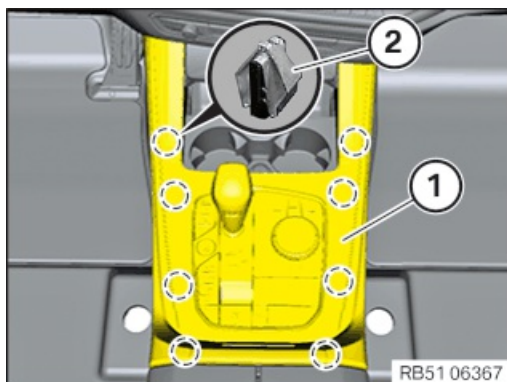
- Protect working area.
- Handle tools and components carefully.



NOTICE

Perform the operations on the left and right side.

- Release the screws (1) on centre console trim (2).



- Lever out the centre console trim (1) **without** tool set to the rear right and left from the clamps (2).



- Lift the centre console trim (1) at the rear slightly.
- Unlock the associated plug connections and disconnect.
- Guide out centre console trim (1) towards the rear and remove.

5-Installing the centre console trim

RISK OF DAMAGE

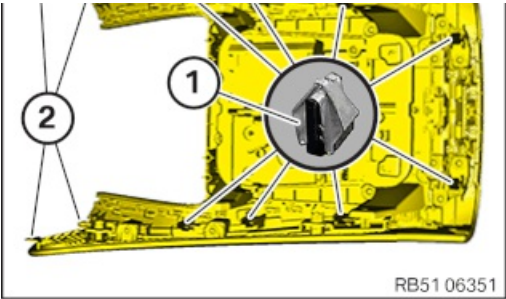
Scratches.

Tools and sharp-edged components can cause scratches.

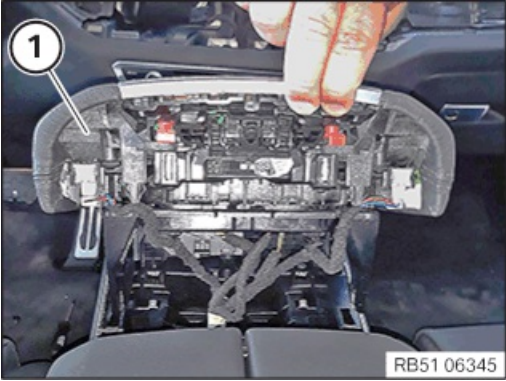
- Protect working area.
- Handle tools and components carefully.



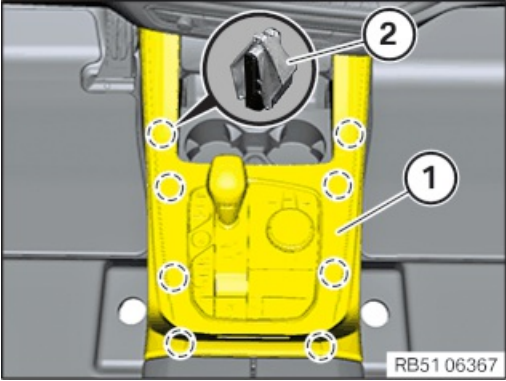
- Check clamps (1) for damage.
- Renew faulty or missing clamps (1).



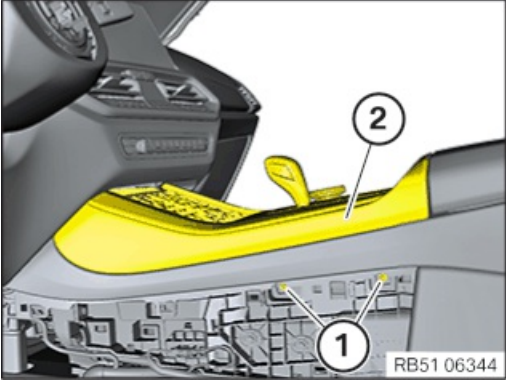
- Check guides (2) for damage and, if necessary, renew the centre console trim.



- Insert the centre console trim (1).
- Connect and lock the associated connectors.



- Correctly position the centre console trim (1) and engage at the clamps (2).



NOTICE

Perform the operations on the left and right side.

- Tighten the screws (1) at the centre console trim (2).

Centre console trim to centre console

Oval-head screw		Tightening torque	2,4 Nm
-----------------	--	-------------------	--------

POSTPROCESSES

6-Installing the carpet on the left and right sides of the centre console

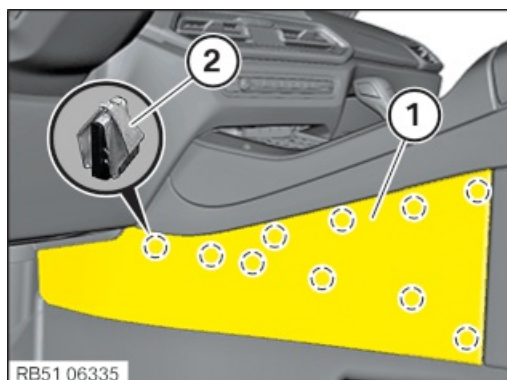
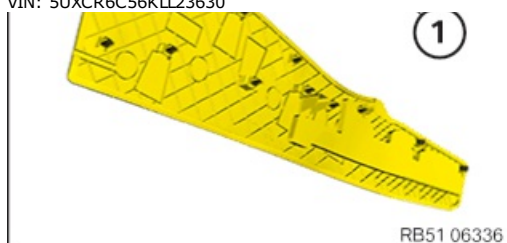
NOTICE

Description is for left component only. Procedure on the right side is identical.

► Installing the carpet on the side of the centre console



- Check all clamps (1) for damage; renew if necessary.
- The clamps (1) must not be damaged or missing.



- Clip in the carpet at the side of the centre console (1) starting from the front at the clamps (2) and install.

7–Disconnecting all battery earth leads

[Additional information is available.](#)



- See additional information.

8–Activating the 48 V electrical system

[Additional information is available.](#)

Prerequisite

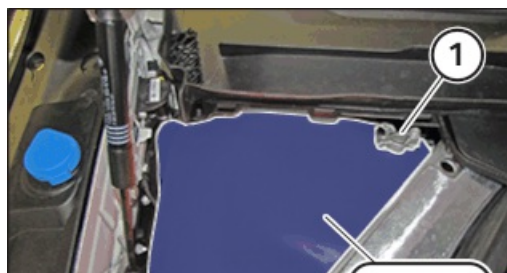
Ignition is switched off.

RISK OF DAMAGE

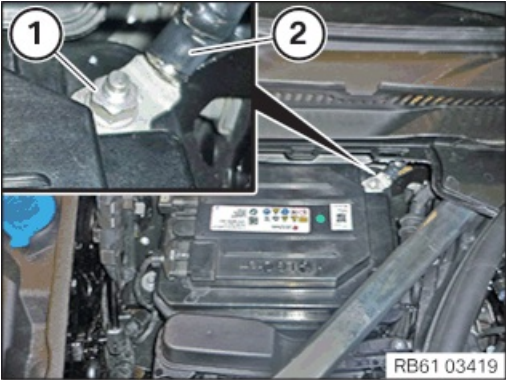
Damage to 48-V battery

If a 48-V battery that is disconnected from the electrical system is activated, the battery electronics will be damaged.

- Only carry out activation of the 48V electrical system with a completely connected 48-V battery.



- Lift battery earth lead (1).
- Remove special tool 2 452 007.

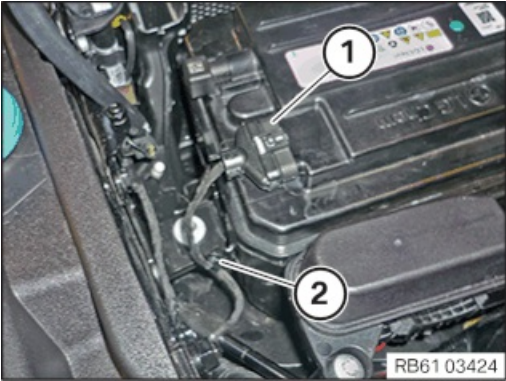


- Release the negative battery cable (2) of the 48-V battery from the mounting.
- Position the negative battery cable (2) of the 48-V battery on the negative battery terminal.
- Tighten nut (1).

Negative battery cable to 48-V battery



Nut M8		Tightening torque	19 Nm
--------	--	-------------------	-------



- Connect the connector (1) of the CAN bus and lock it.
- Clip in clip (2).



- Activate the 48V electrical system by closing the bonnet.
The activation takes place automatically.