

REP-REP-RAE6161-6112162 Installing the repair wiring harness of the tailgate and rear window on the left

VIN: CN04390

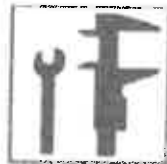
Vehicle: 5 / E61 / Sports Wagon / 530xi / N52 / USA / left-hand drive / AUT / 2006 / 9

System version:
1.1.9

Data version: 3.51

61 12 162

Installing the repair wiring harness of the tailgate and rear window on the left



Special tools required:

- 00 9 341
- 61 0 314
- 61 4 342
- 61 4 343



Important!

Repair wiring harness represents the highest vehicle specification. Secure cables that are not needed to avoid noise.

Read and comply with notes on handling wiring harnesses and cables.

Installation note:

Use suitable tool for repair wiring harness.



The components listed below can be assigned to the corresponding wiring harness:

Left wiring harness:	Right wiring harness
Aerial diversity aerial amplifier	Aerial diversity aerial amplifier
Hose pipe washer jet	Additional brake light
Luggage compartment light on tailgate	Number plate light
Left rear light, tailgate	Right rear light, tailgate
Rear window locking	Rear wiper motor
Tailgate/tailgate lock	Button for tailgate activation
	Switch for automatic operation of tailgate

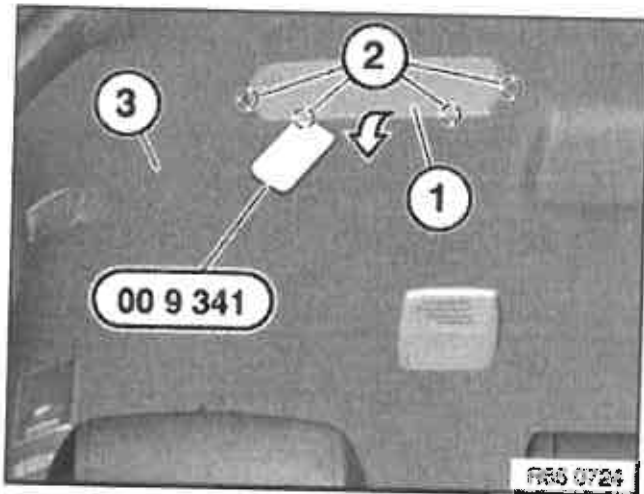


Necessary preliminary tasks:

- Disconnect negative battery lead
- Remove load area cover
- Remove trim for tailgate
- Remove rear window frame cover
- Remove rear light on tailgate
- Remove button for tailgate

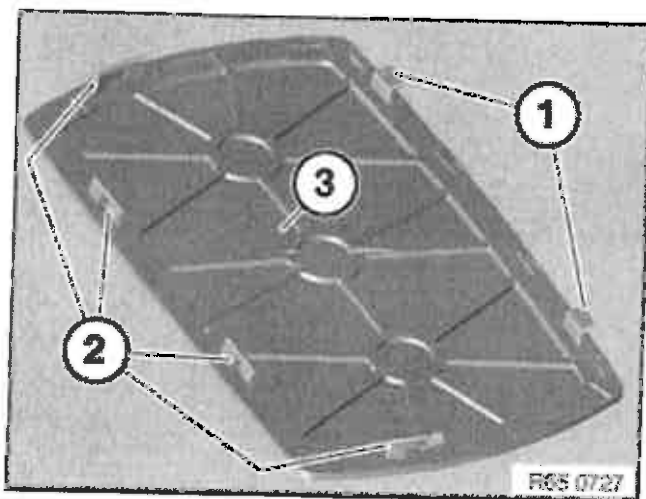
activation

- Remove number plate light on the left or right
- Remove rear spoiler



Lift out speaker cover (1) at points (2) with special tool 00 9 341.

Pull out and remove speaker cover (1) from moulded roofliner (3) in direction of arrow.

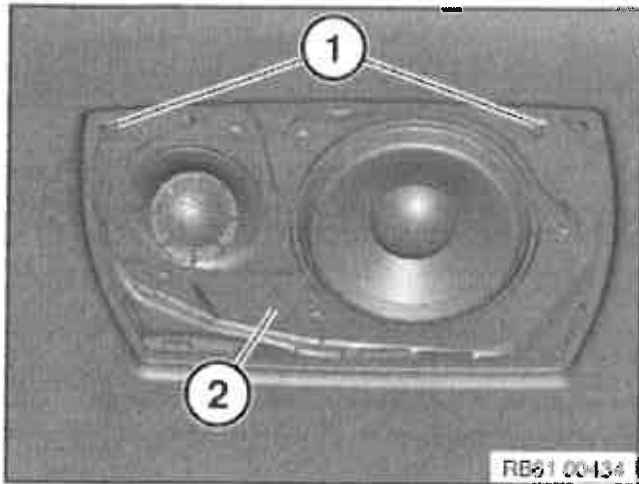


Installation note:

Tabs (1) and locks (2) of speaker cover (3) must not be damaged.

Make sure speaker cover (3) is completely engaged in moulded roofliner.

Release screws (1). Remove support (2) for rear speaker and disconnect plug connection behind.

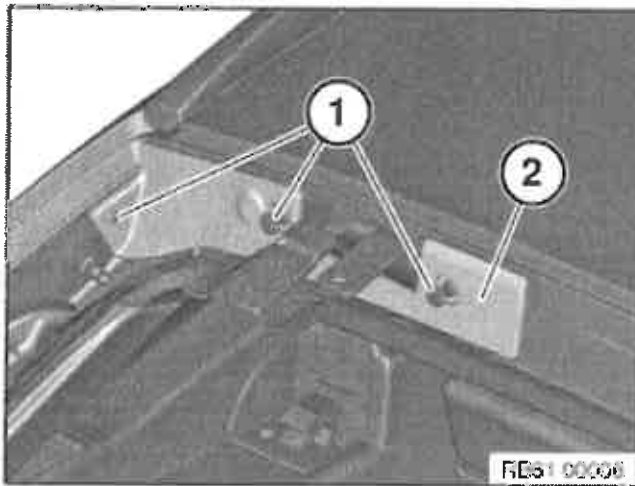


Note:

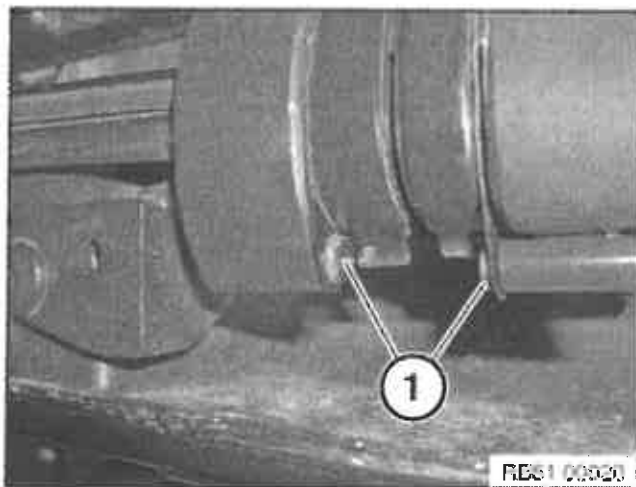
Tailgate shown removed here for purposes of clarity.

Release expanding rivets (1).

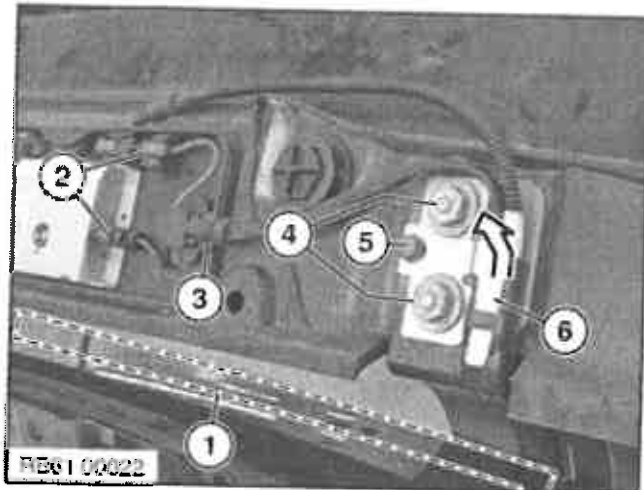
Remove cover of tailgate hinge (2).



Release expanding rivets (1).



Important!



Take off protective cap.

Mask off area (1).

There is a risk of the rear window slipping off when the nuts (4) are loosened.

Unlock plug connections (2) and disconnect.

Remove cable (3) from guide toward top.

Unscrew nuts (4).

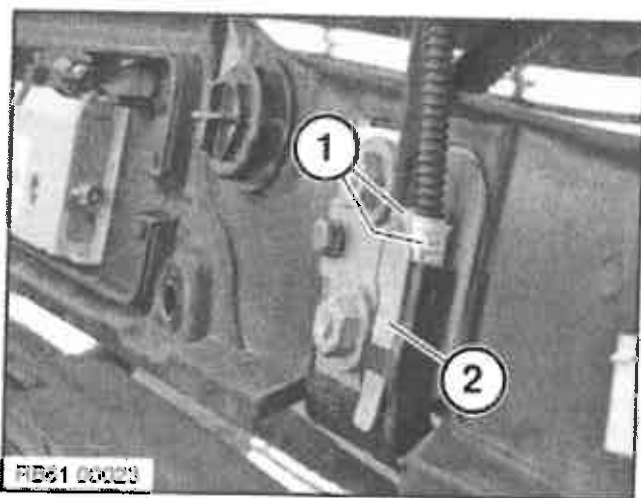
Release screw (5).

Pull out retaining plate (6) in direction of arrow.

Installation note:

Make sure cable (3) is correctly routed.

Make sure retaining plate (6) is correctly seated.



Installation note:

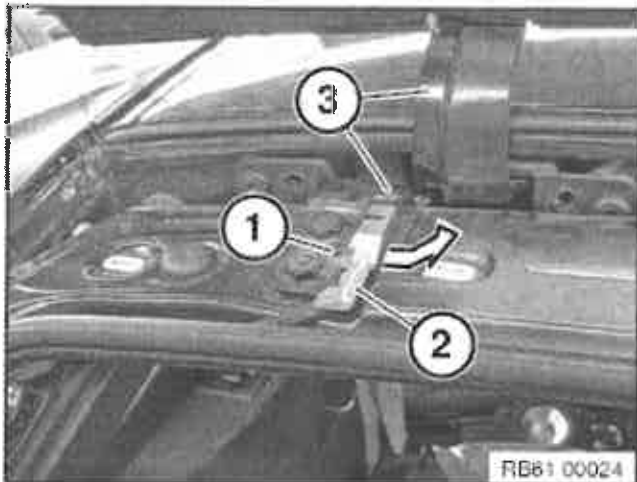
White marks (1) on wiring harness and hose pipe **must** be visible as shown.

Make sure retaining plate (2) is correctly seated.

Adjust rear window.

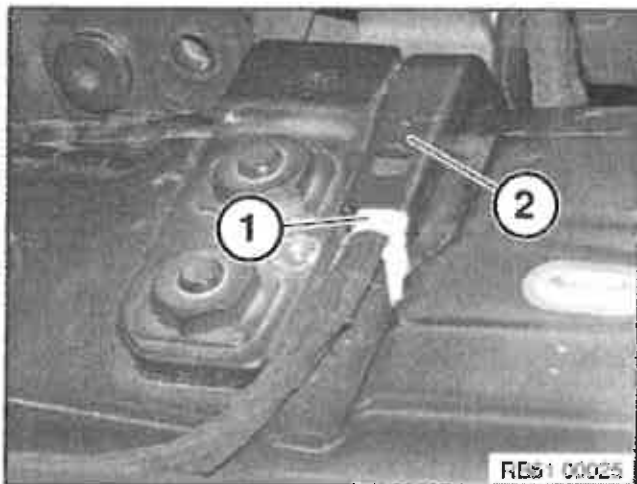
Release screw (1).

Remove retaining plate (2) in direction of



arrow.

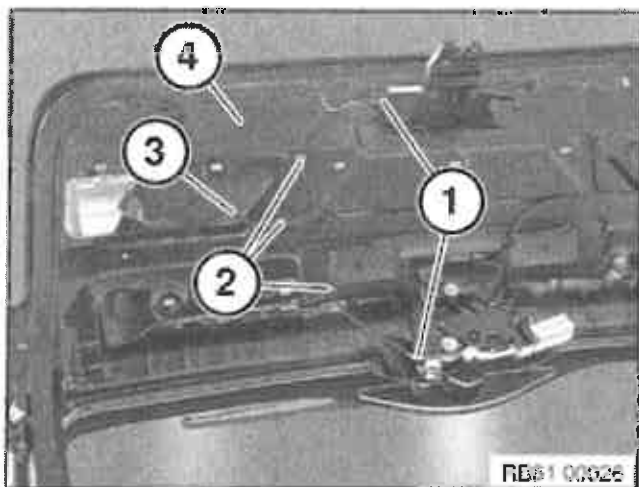
Unlock and remove wiring harness brackets at hinges (3) with a suitable tool.



Installation note:

The white marking (1) on tailgate of wiring harness **must** be visible as shown.

Make sure wiring harness bracket (2) is correctly seated on hinges.



Unlock plug connections (1) and disconnect.

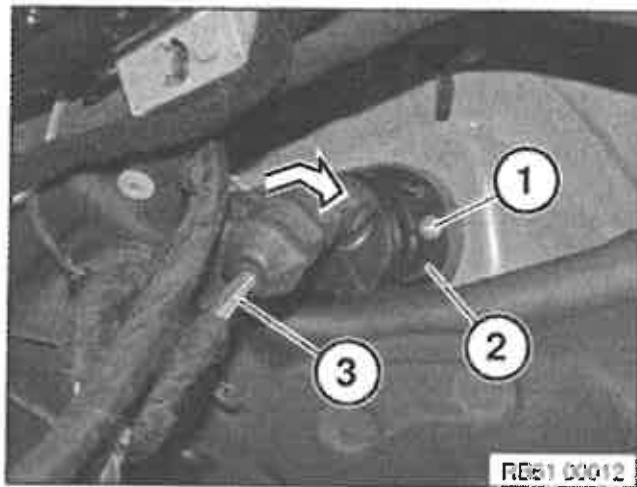
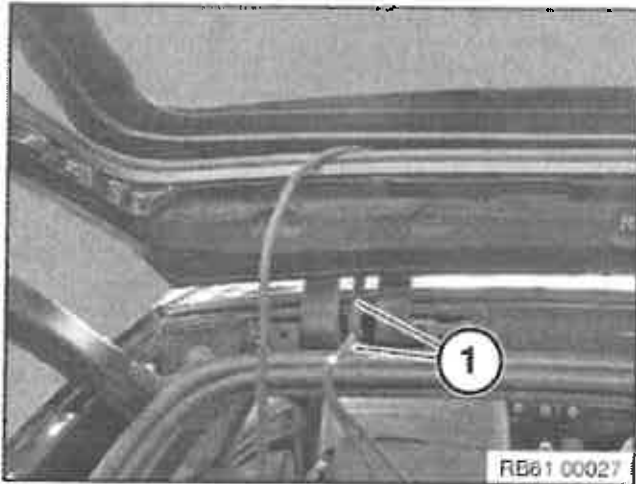
Unclip wiring harness in area (2).

Feed wiring harness (3) out of tailgate (4).

Installation note:

Make sure wiring harness (3) is correctly seated and routed.

Slip in wiring harness (1) toward the inside.



Release screw (1).

Remove rubber grommet (2) in direction of arrow.

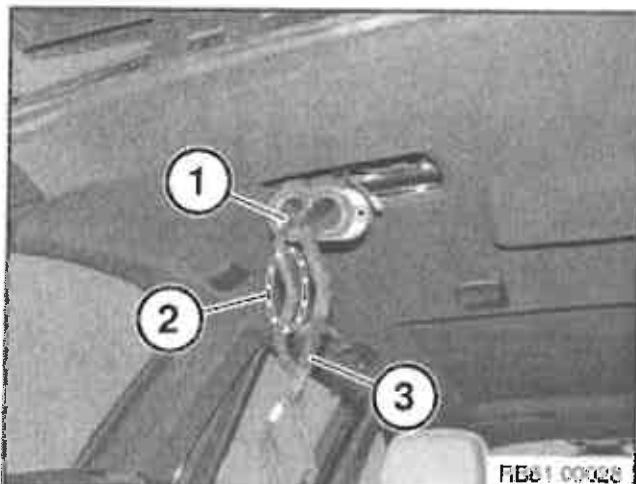
Feed out wiring harness (3).

Installation note:

Make sure rubber grommet (3) is correctly seated.

Important!

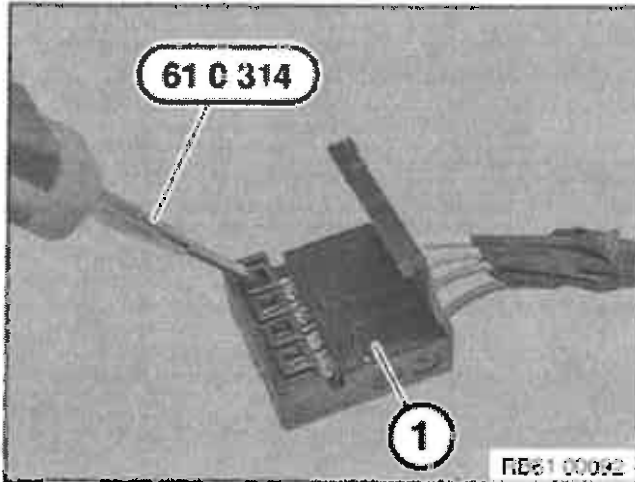
Do not cut through aerial line and hose pipe!



Disconnect wiring harness (1) in marked area (2) and remove insulation.

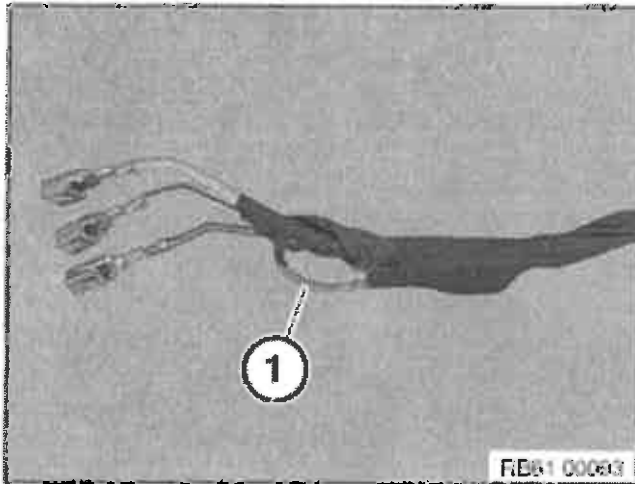
Remove insulation from hose pipe and aerial line (3).

Strip insulation from individual cables with insulation stripper recommended by BMW.

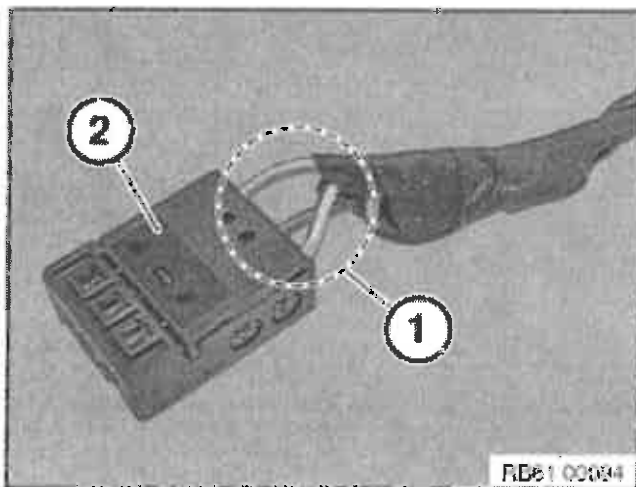


For vehicles up to production date 03/2007, the rear light must be converted for repair wiring harness of connector:

Unlock contacts on 4-pin connector (1) with special tool 61 0 314 and pull out of connector housing.



Tie back grey-green cable (1) as shown and secure with insulating tape.



Connect cable (1) with supplied three-pin connector housing (2):

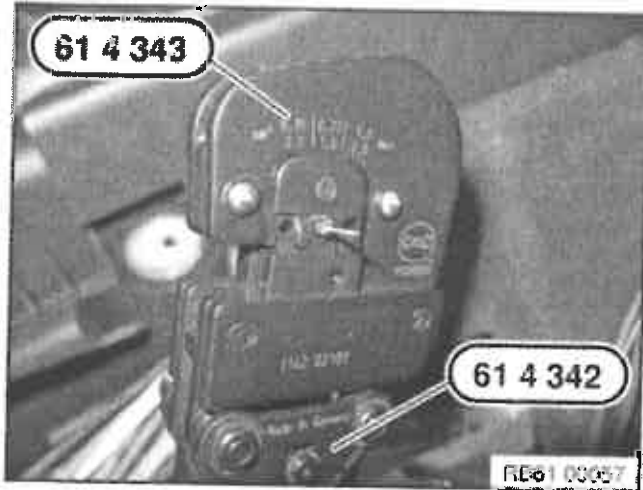
Pin 1: White/Yellow

Pin 2: Brown

Pin 3: Black/Yellow

Lock connector housing (2).

- Universal die 61 4 342 (also applies to 61 4 321)

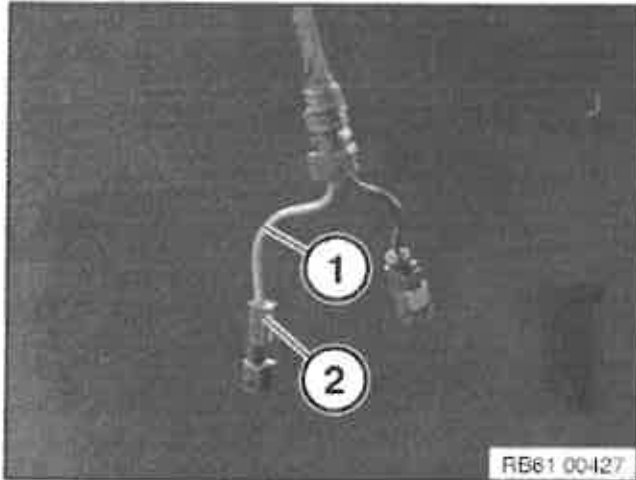


- Pliers 61 4 343

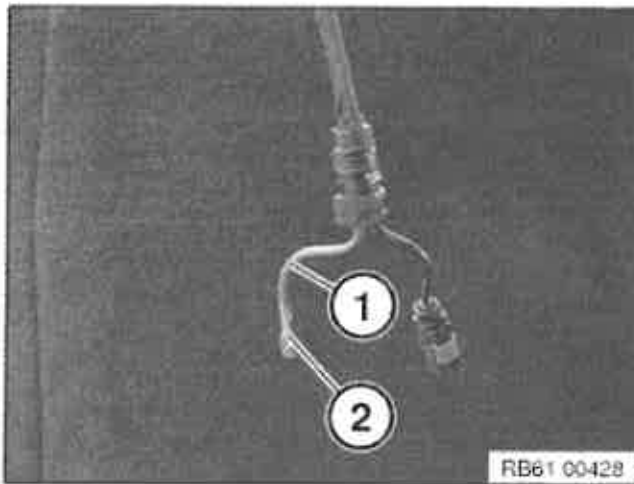
Crimp individual cables with special tool 61 4 343 (also applies to 61 4 328) and pin them into 12-pin and 4-pin connectors according to the table.

Connector (1) 12-pin	Cable colour	Connector (2) 4-pin	Cable colour
Pin 1 (from production date 03/2007)	Grey/green	Pin 1	Brown 1.5 mm
Pin 2	White/Yellow	Pin 2	Brown 2.5 mm
Pin 3	Yellow/black	Pin 3	White/brown
Pin 4	Yellow	Pin 4	Red/yellow
Pin 5	Grey/brown		
Pin 6	① White/brown		
Pin 7	Brown/red		
Pin 8	White/red		
Pin 9	② White/brown		
Pin 10	-		
Pin 11	-		
Pin 12	-		

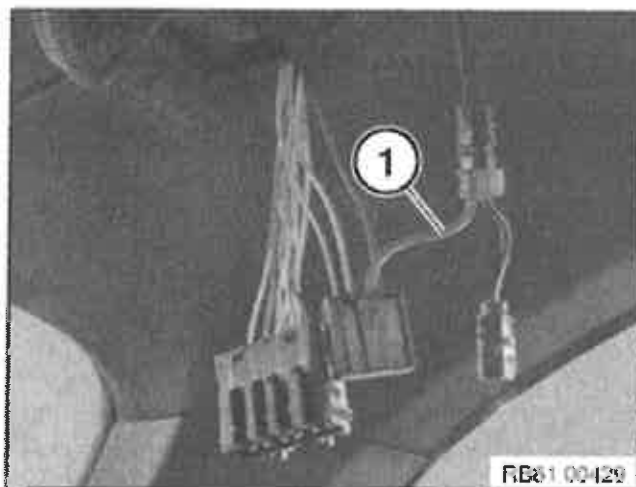
Disconnect connector (2) from grounding cable (1) of rear window aerial.



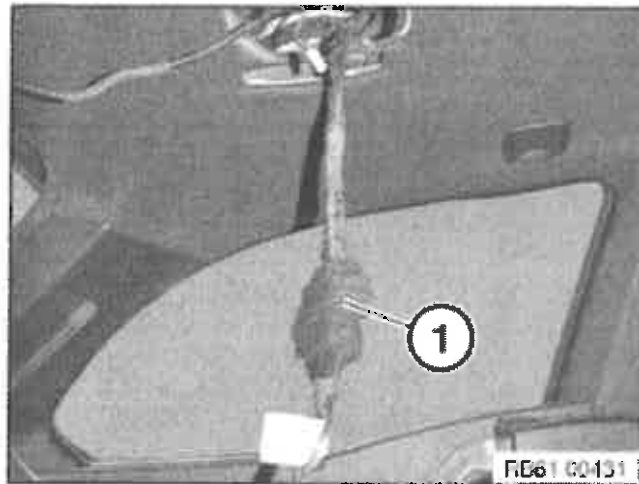
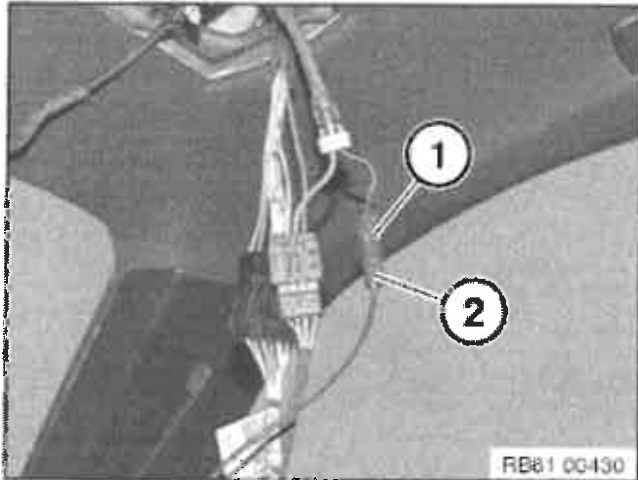
Crimp plug-in contact (2) to ground cable (1).



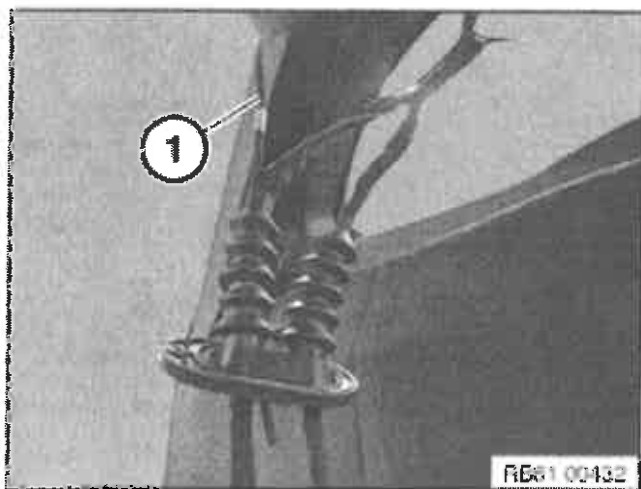
Pin ground cable (1) into 4-pin connector at pin 2) as illustrated.



Plug together connectors (1) and (2) for rear window aerial.

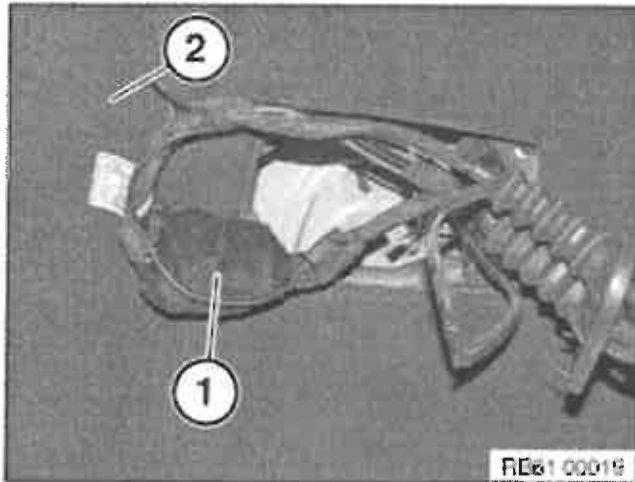
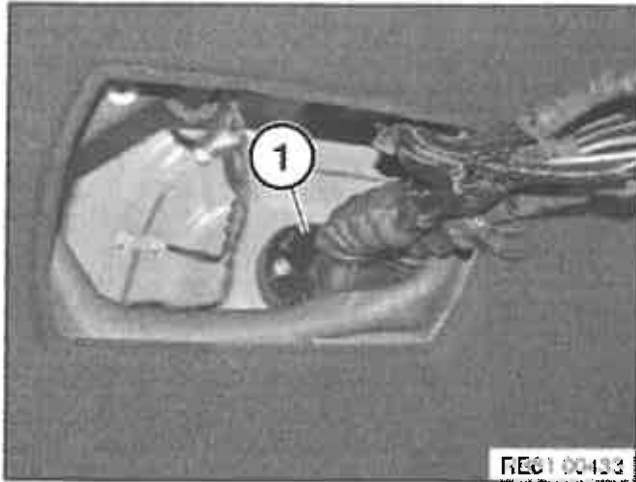


Insulate repair area (1), as shown, using the supplied noise tape and insulating tape.



Slide hose pipe (1), as shown, through the new rubber grommet.

Install rubber grommet (1) as illustrated.



Installation note:

Insulate wiring harness with the supplied insulating tape in connector area (1).

Insulate wiring harness, route it in the form of a loop in area (2) and fasten it.