

REP-REP-RAE6161-6112164 Installing the repair wiring harness of the tailgate and rear window on the right

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 12 164

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



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:

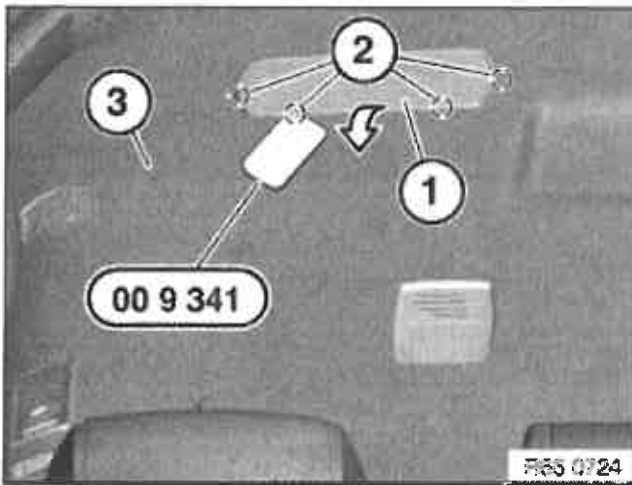
Left wiring harness:	Right wiring harness
Aerial diversity aerial amplifier	Aerial diversity aerial amplifier
Hose pipe washer jet	Additional brake light
Luggage compartment light on tailgate	Number plate light
Left rear light, tailgate	Right rear light, tailgate
Rear window locking	Rear wiper motor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



Necessary preliminary tasks:

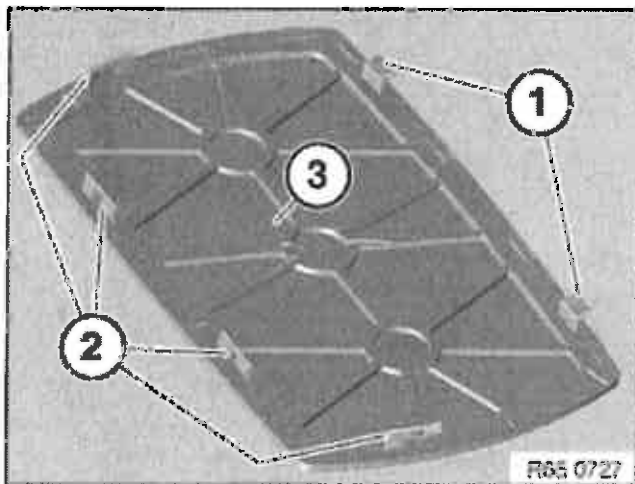
- Disconnect battery earth lead
- Remove load area cover
- Remove trim for tailgate
- Remove cover for window frame
- Remove rear light on tailgate
- Remove button for tailgate activation

- Remove left and right number plate light
- 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.

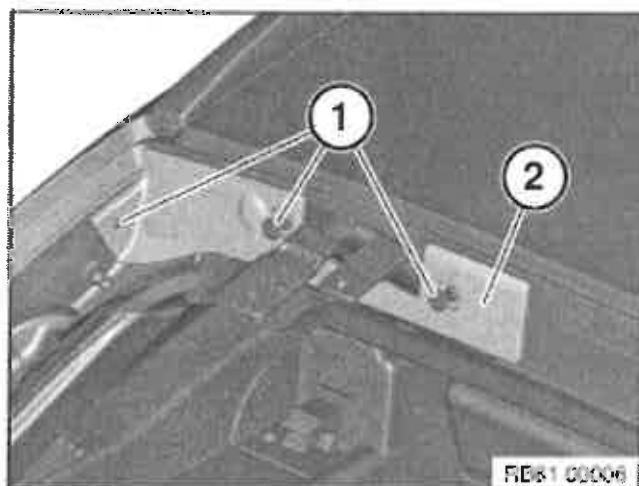
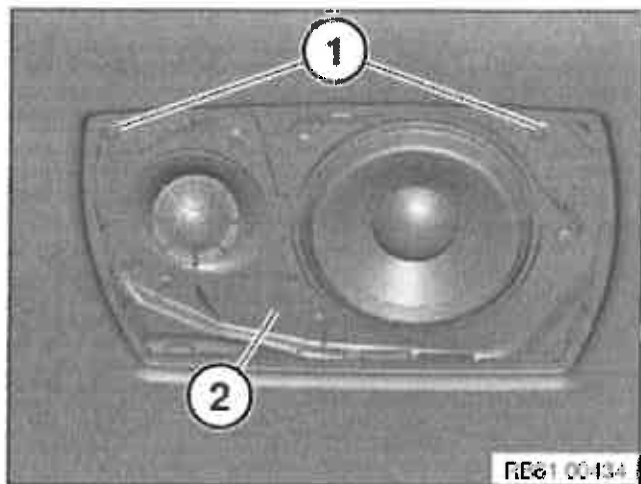


Installation note:

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.



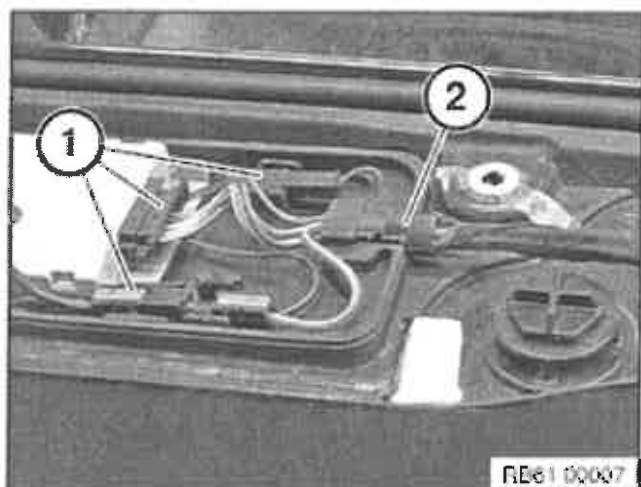
Note:

Tailgate shown removed here for purposes of clarity.

Removal of the left cover is described here. The right cover is removed in the same manner.

Release expanding rivets (1).

Remove cover of tailgate hinge (2).



Note:

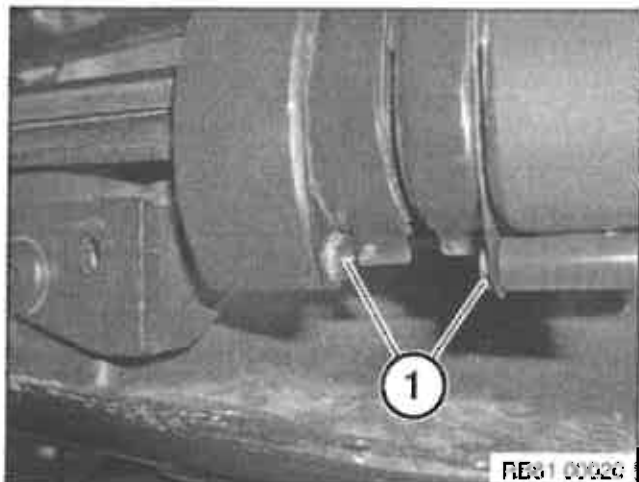
Take off protective cap.

Unlock plug connections (1) and disconnect.

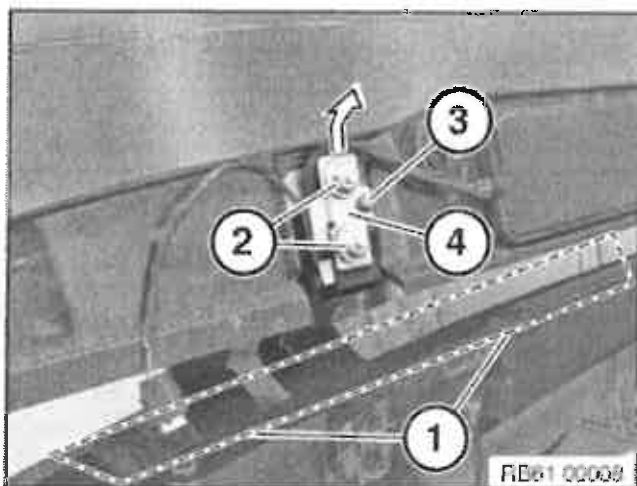
Remove cable (2) from guide toward top.

Installation note:

Make sure cable (2) is correctly routed.



Unfasten and disconnect expanding rivets (1)



Important!

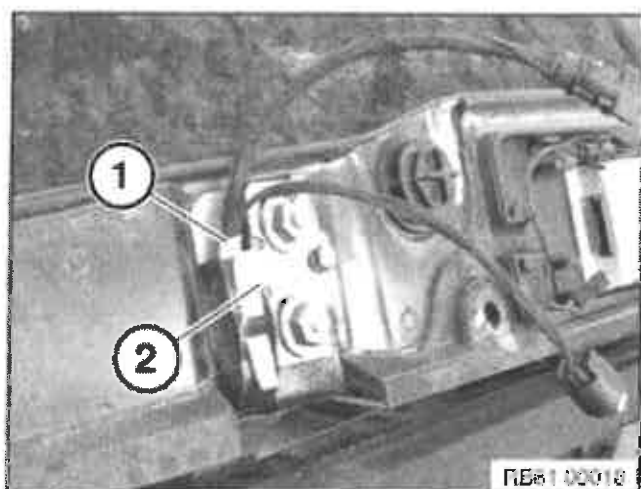
Mask off area (1).

There is a risk of the rear window slipping off when the nuts (2) are loosened.

Unscrew nuts (2).

Release screw (3).

Pull out retaining plate (4) in direction of arrow.

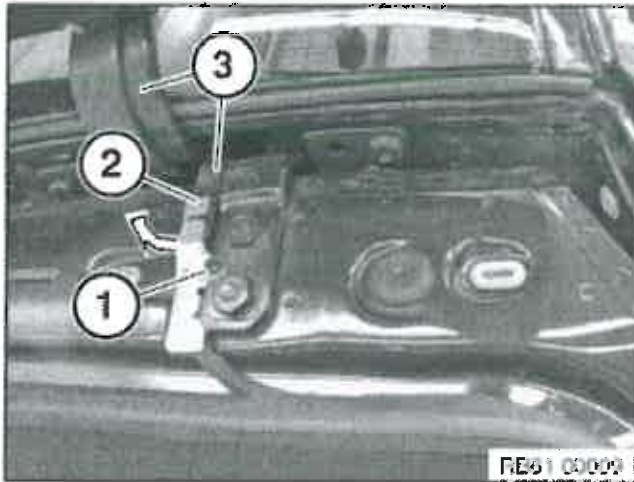


Installation note:

White mark (1) of rear window wiring harness **must** be visible as shown.

Make sure retaining plate (2) is correctly seated.

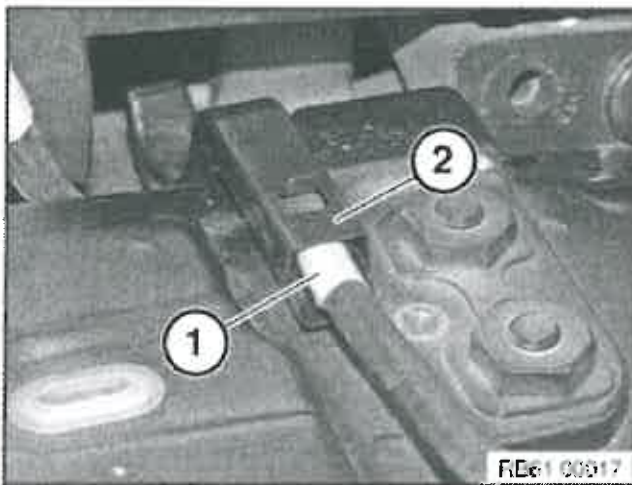
Adjust rear window.



Release screw (1).

Remove retaining plate (2) in direction of arrow.

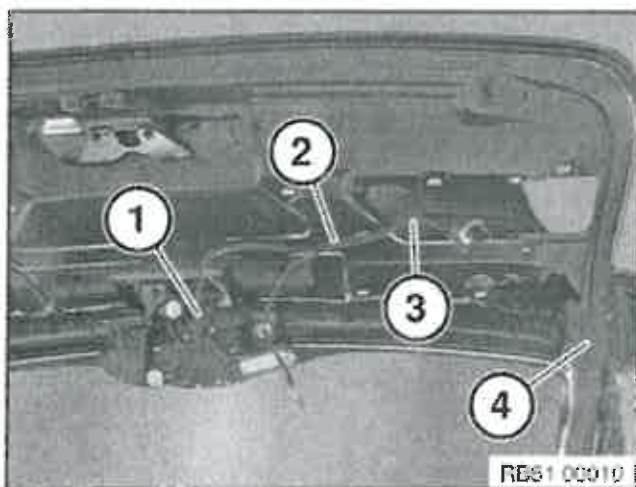
Unlock and remove wiring harness brackets at hinges (3) with a suitable tool.



Installation note:

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

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



Unfasten plug connection (1) and disconnect.

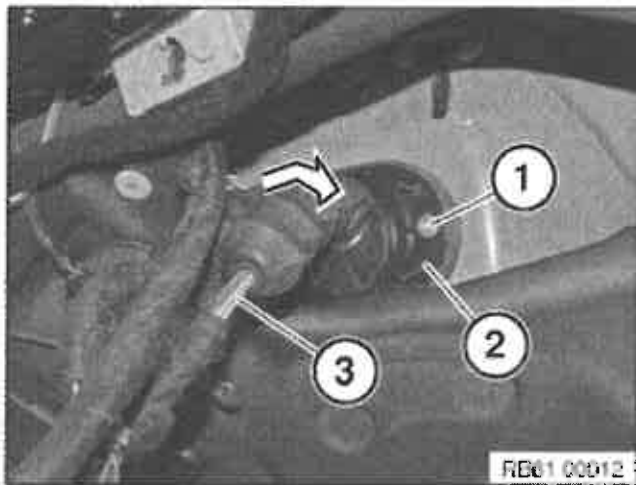
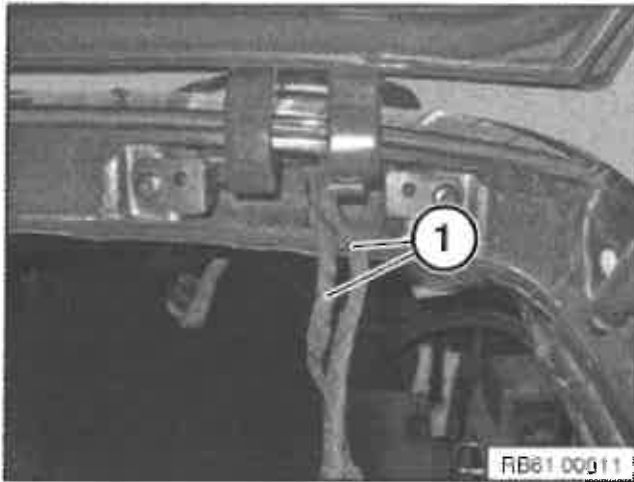
Unclip wiring harness in area (2).

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

Installation note:

Make sure wiring harness (3) is correctly seated.

Slip in wiring harness (1) toward the inside.



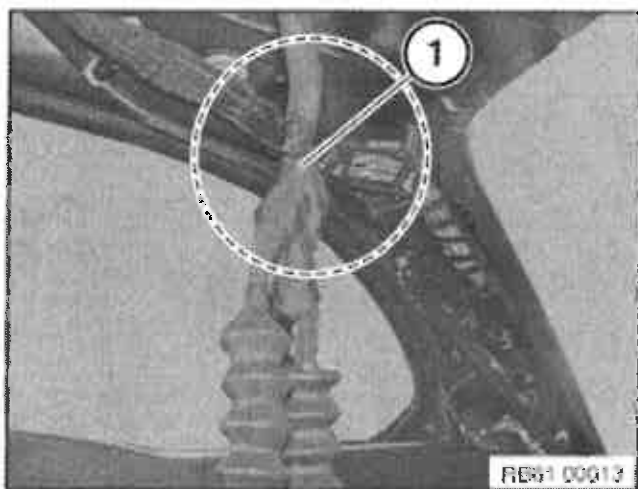
Release screw (1).

Remove rubber grommet (2) in direction of arrow.

Feed out wiring harness (3).

Installation note:

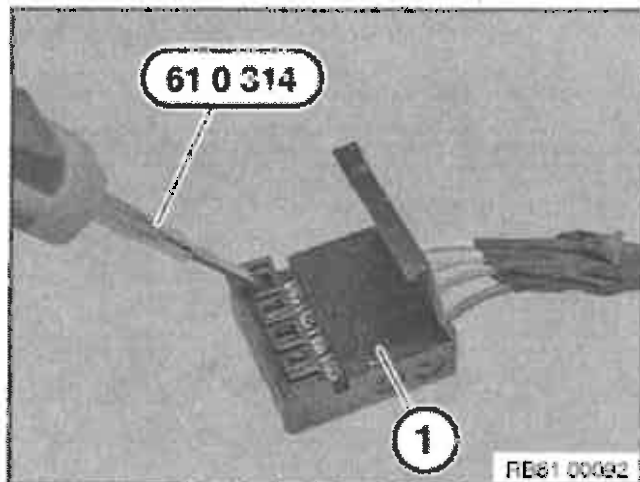
Make sure rubber grommet (3) is correctly seated.



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

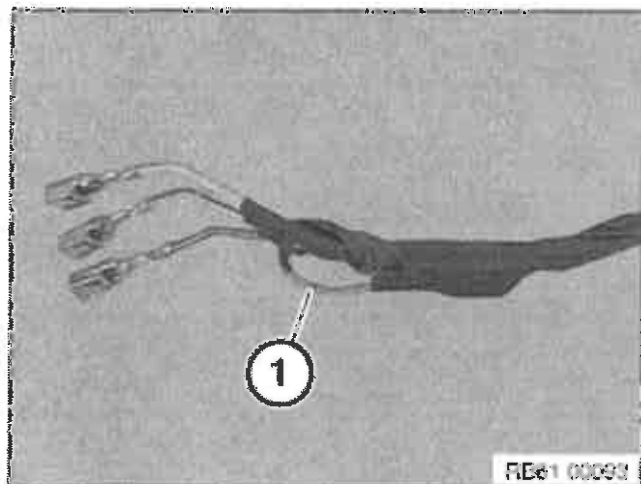
Strip insulation from individual cables with insulation stripper recommended by BMW.

Up to production date 03/2007, rear light must be converted for repair wiring harness

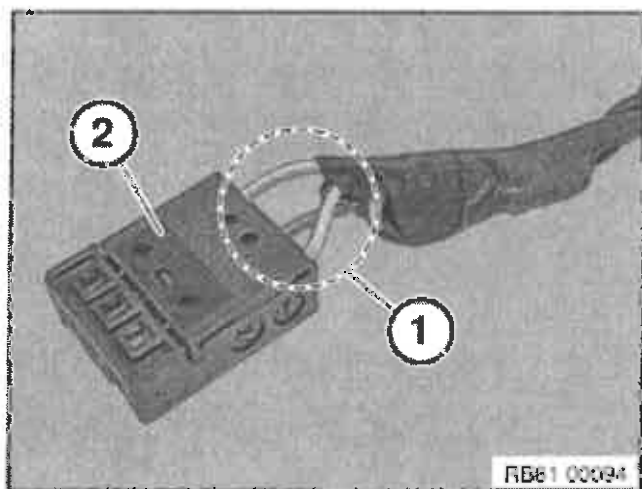


of cable connector:

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



Tie back grey-yellow cable (1) as illustrated and secure with insulating tape.



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

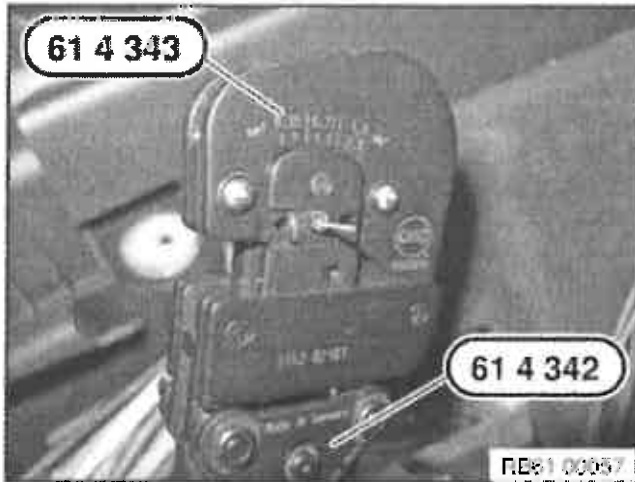
Pin 1: Red/yellow

Pin 2: Brown

Pin 3: Yellow/white

Lock connector housing (2).

- Universal matrix 61 4 342 (also corresponds to 6 4 321)



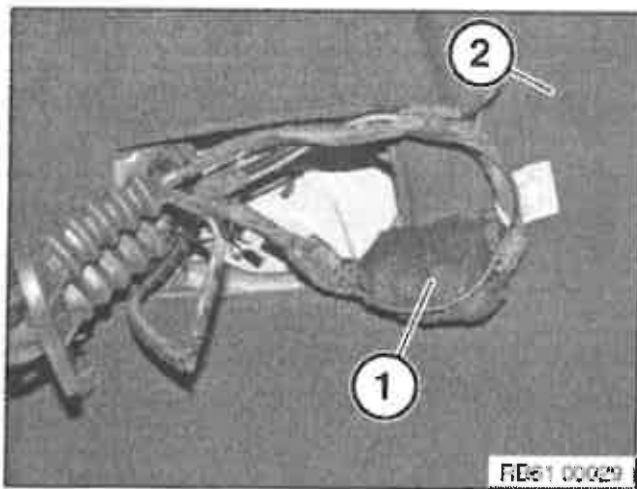
- Pliers 61 4 343

Individual cable with special tool 61 4 343 (also corresponds to 61 4 328)

and pin into 26-pin connector and 4-pin connector according to table 2 on the right.

Connector (1) 26-pin	Cable colour	Connector (2) 4-pin	Cable colour, cross-section 2.5 mm
Pin 1	Yellow/white	Pin 1	Black/green
Pin 2	Yellow/Red	Pin 2	Brown
Pin 3	Grey/yellow	Pin 3	Red/white
Pin 4	Red/white	Pin 4	Brown
Pin 5	White/blue		
Pin 6	White/violet		
Pin 7	Blue/yellow		
Pin 8	Brown		
Pin 9	Brown		
Pin 10	Black/Yellow		
Pin 11	Brown/blue		
Pin 12 from production date 03/2007 (optional)	Grey/yellow		
Pin 13	Grey/brown		
Pin 14	Grey/black		

Pin 15	Violet/red		
Pin 16	-		
Pin 17 (optional)	Grey		
Pin 18	-		
Pin 19	Red/yellow		
Pin 20	-		
Pin 21	-		
Pin 22	-		
Pin 23	-		
Pin 24	-		
Pin 25	-		
Pin 26	-		



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.

Note:

If once the repair has been carried out it is not possible to unlock the tailgate and the side lights (only with vehicles from LCI) on the right-hand side do not work, swap the grey/yellow cables at pin 3 and pin 12 round.

Note:

When installing the individual cables in the 26-pin connector, a ground cable cannot be assigned separately. Make sure that this ground cable is crimped together with a second ground cable on one pin.