



Note:

Initialisation is performed on the power window switch of the relevant door.

Initialisation comprises:

- Normalisation
- Learning characteristic curve

With normalisation, the mechanical end stops of the power windows are recorded and stored.

The characteristic curve is learnt immediately after normalisation.

When the characteristic curve is learnt, the mechanical closing forces of the power windows are recorded and stored for correct operation of the anti-trapping mechanism.

Initialisation, i.e. normalisation and learning of characteristic curve, is performed in a continuous operation.



Note:

An **initialisation** must be performed:

- In the event of malfunctions, e.g. no one-touch function, no opening or no convenience function possible.
- After the power windows drive or door module has been replaced.
- After work is carried out on the power windows mechanism.



Warning!

There is no anti-trap mechanism during initialisation.



Necessary preliminary tasks:

- Vehicle stationary
- Sufficient battery voltage available / connect charger if necessary
- Terminal "15" switched on
- All doors closed



Operating procedure for initialisation (manual):

Deleting the initialisation:

- Move side window into lower end position.
- Press and hold switch in "Open one-touch function" position (second switch position) for between 15 and 25 seconds.

Note:

Deletion of initialisation was successful if toll function and anti-trap mechanism have been rendered inoperative.

Performing initialisation:

- Move side window to upper end position
- Pull and hold switch in "Close one-touch function" (2nd switch position) during the entire process.

Note:

Re-initialisation was successful if toll function and anti-trap mechanism function flawlessly.



Alternatively, initialisation of the power window regulation can also be carried out via the Service function in ISTA.

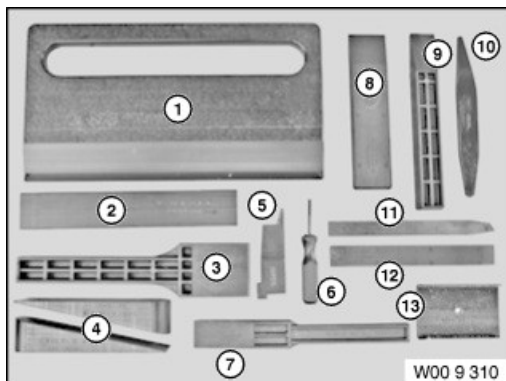
Selection via:

- Body
 - Locking and security functions
 - Power window regulator
 - Initialise power window regulators

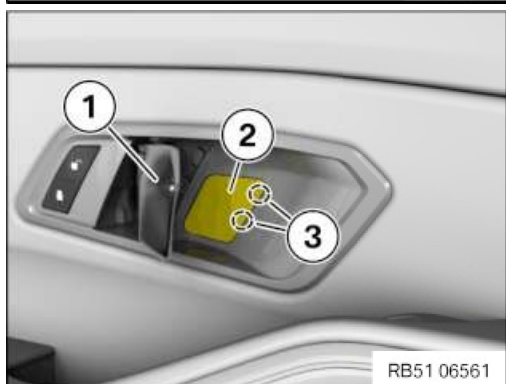
67 62 000 Removing and installing or replacing flat motor for front left or right power window regulator

PRELIMINARY WORK

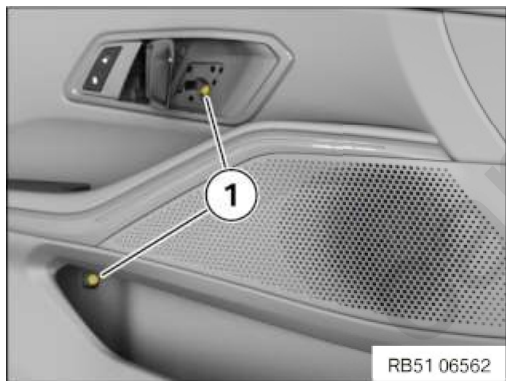
1 – Remove door trim panel



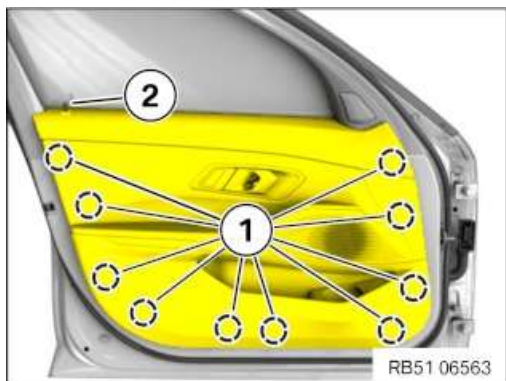
- Have the set of special tools [0 493 752 \(00 9 329\)](#) ready.



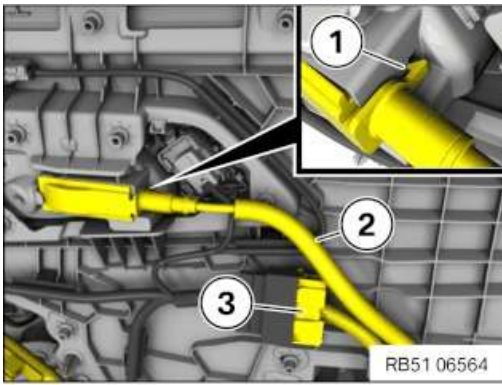
- Pull door opener (1).
- Release latch mechanisms (3) of the trim (2) with suitable special tool.
- Remove trim (2).



- Loosen screws (1).



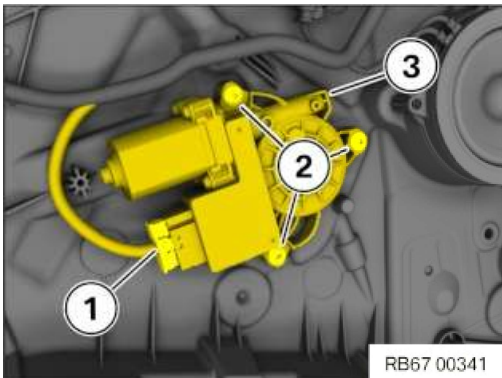
- Unclip the door trim panel at the clips (1) using a suitable special tool.
- Guide the door trim panel upwards out of the front inner weather strip and the operating rod (2).



- Release latch mechanism (1) and feed out the Bowden cable for the inner door opener (2).
In doing so, the Bowden cable for the inner door opener (2) is guided out of the door opener.
- Unlock plug connection (3), disconnect it and remove the door trim panel.

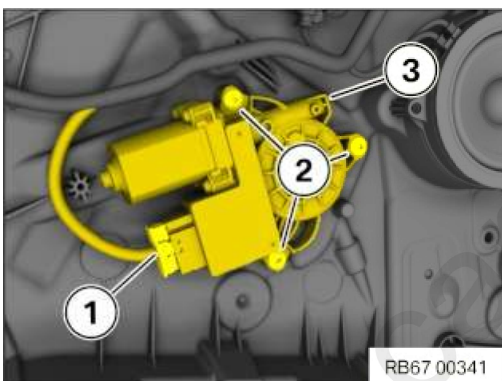
MAIN WORK

2 – Removing the flat motor for the front power windows



- Unlock plug connection (1) and disconnect.
- Loosen screws (2).
- Removing the flat motor for the front power window (3).

3 – Install the flat motor for the front power windows



- Install the flat motor for the front power window (3).
- Tighten the screws (2).

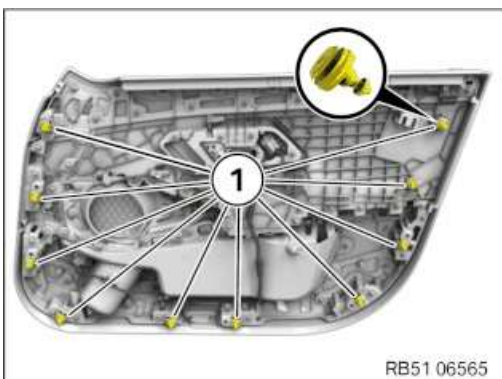
Flat motor on door module carrier

Oval-head screw for thermoplastic		Tightening torque	3,5 Nm
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- Connect connectors (1) and lock.

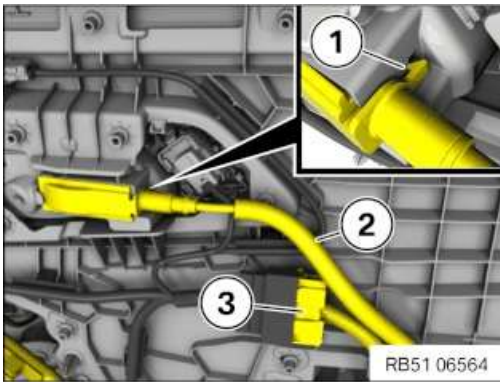
POSTPROCESSES

4 – Install door trim panel

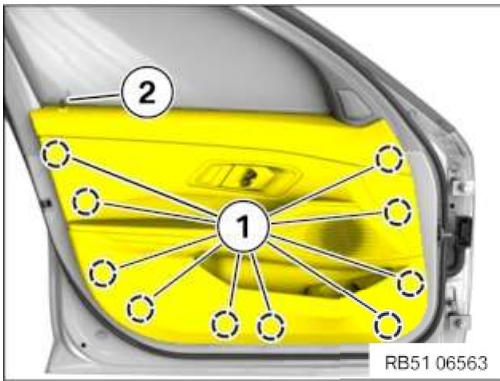


- Renew the clips (1).

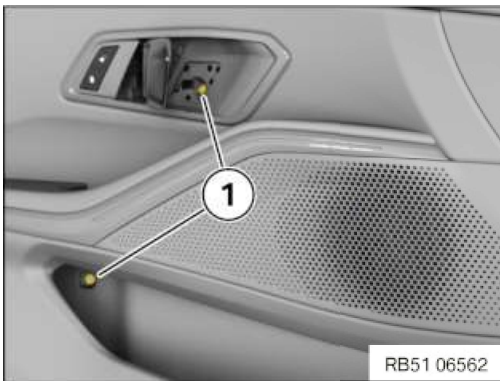
Parts: Clips



- Push the inner door opener in closed direction.
- Feed in Bowden cable for the inner door opener (2) and clip in the latch mechanism (1).
- Connect connectors (3) and lock.



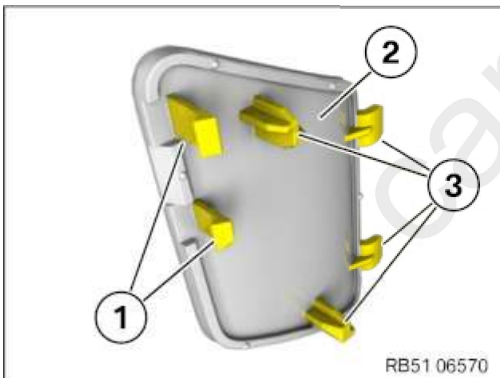
- Feed door trim panel from the top via the operating rod (2) into the inner front weather strip.
- Clip in the door trim panel with the clips (1).



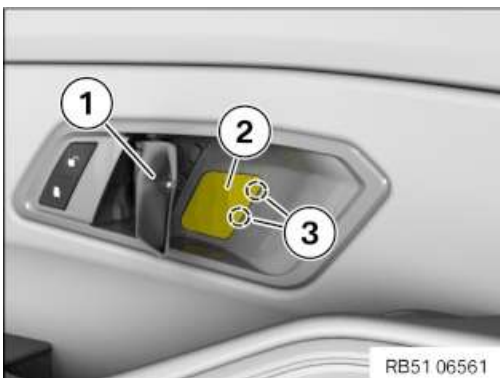
- Tighten the screws (1).

Door trim panel to door

Screw TS5x20	Tightening torque	2,6 Nm
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- Check latch mechanisms (1) for damage, if necessary renew the trim (2).
- Check guides (3) for damage, if necessary renew the trim (2).



- Pull door opener (1).
- Position trim (2) and clip in using the latch mechanisms (3).

Additional Information

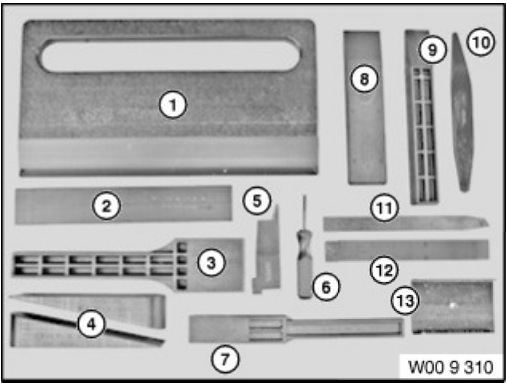
Overview of Tightening Torques

Overview of Tightening Torques

Flat motor on door module carrier		Used in step 3	
Oval-head screw for thermoplastic		Tightening torque	3,5 Nm
Door trim panel to door		Used in step 4	
Screw TS5x20		Tightening torque	2,6 Nm

Overview of Special Tools

0 493 752 (00 9 329) Case



Common		Used in step 1
Usage	(Case) with insert not incl. panel wedges	
Included in the tool or work	0 490 527	
Storage location	Individual	
Replaced by		
In connection with		
SI-Number	01 07 09 (530)	

67 62 020 Removing and installing/replacing flat motor for rear left or right power window regulator



RISK OF DAMAGE

Scratches.

Tools and sharp-edged components can cause scratches.

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



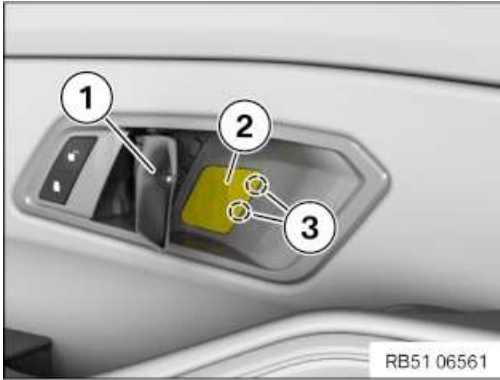
NOTICE

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

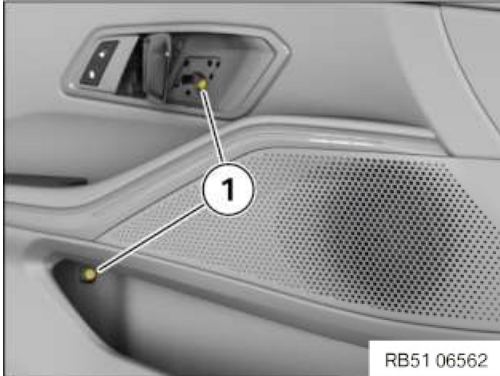
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PRELIMINARY WORK

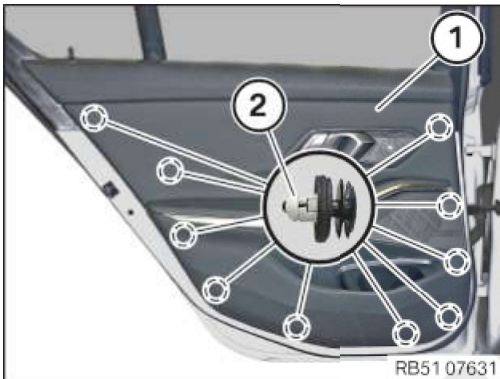
1 – Remove rear door trim



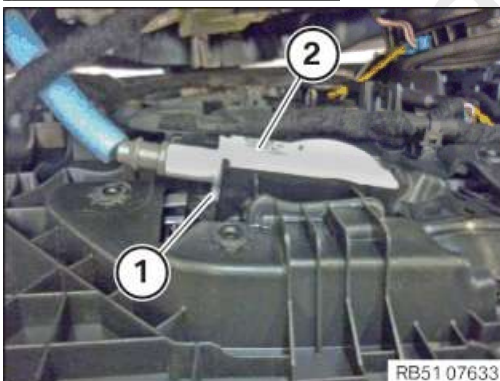
- Pull door opener (1).
- Release latch mechanisms (3) of the trim (2) with suitable tool.
- Remove trim (2).



- Loosen screws (1).



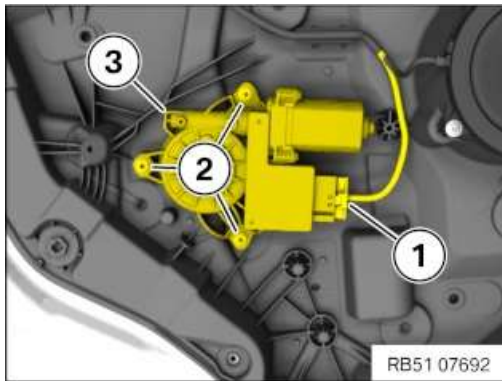
- Unclip the door trim panel (1) with the special tool [0 496 569 \(00 9 325\)](#) at the clips (2).
- Guide the door trim panel (1) upwards out of the weather strip.



- Release latch mechanism (1) and feed out the Bowden cable for the inner door opener (2).
In doing so, the Bowden cable for the inner door opener (2) is guided out of the door opener.
- Unlock available plug connections and disconnect.
- Remove door trim panel.

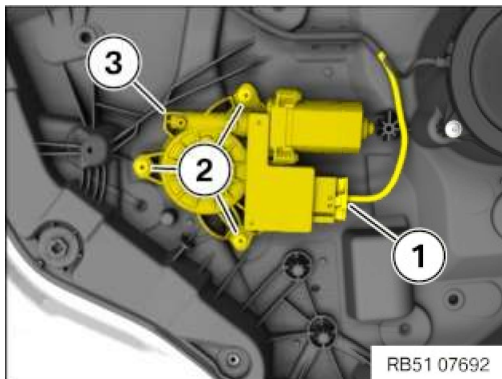
MAIN WORK

2 – Removing the flat motor for the rear power window



- Unlock plug connection (1) and disconnect.
- Release the screws (2) and remove the flat motor for the rear power window. (3)

3 – Installing the flat motor for the rear power window



- Correctly position the flat motor for the rear power window (3) and tighten the screws (2).

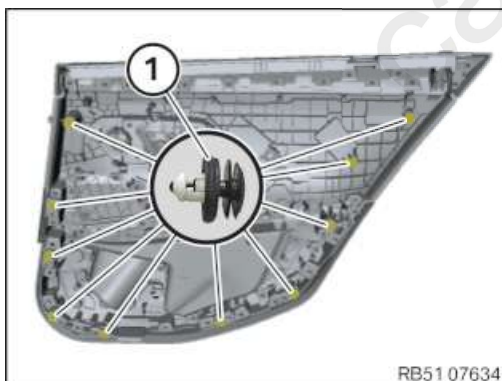
Flat motor on door module carrier

Oval-head screw for thermoplastic		Tightening torque	3,5 Nm
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- Connect connectors (1) and lock.

POSTPROCESSES

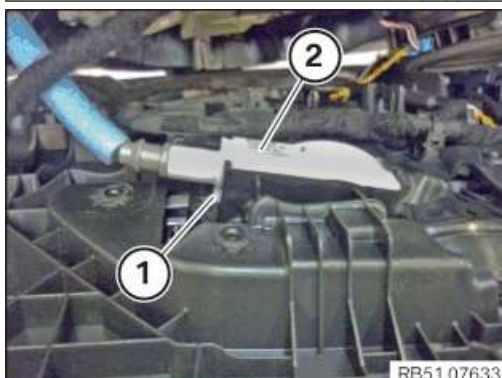
4 – Installing rear door trim panel



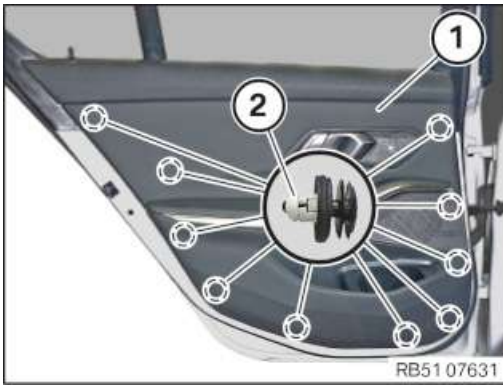
- Renew the clips (1).

Parts: Clips

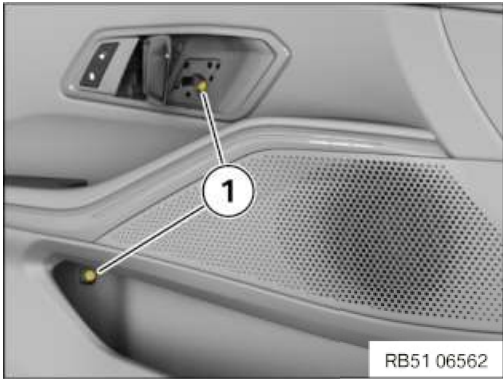
The clips (1) must not be engaged. The disengaged state is shown.



- Push the inner door opener in closed direction.
- Feed in Bowden cable for the inner door handle (2) and clip in to the latch mechanism (1).
- Connect existing connectors and lock.



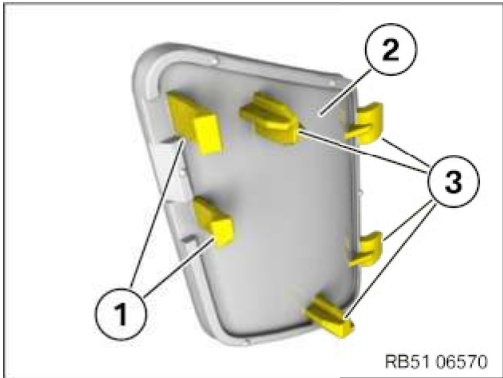
- Feed door trim panel from the top into the inner window recess finisher strip.
- Carefully clip in the door trim panel onto the clips (1).



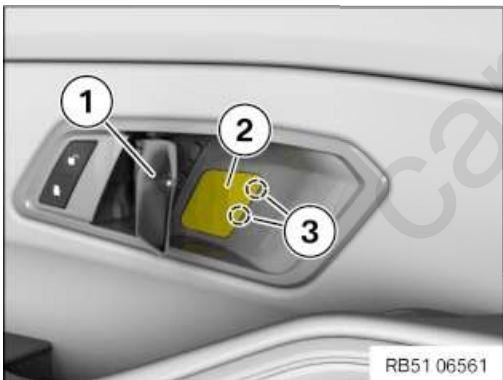
- Tighten the screws (1).

Door trim panel to door

Screw TS5x20	Tightening torque	2,6 Nm
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- Check latch mechanisms (1) for damage, if necessary renew the trim (2).
- Check guides (3) for damage, if necessary renew the trim (2).



- Pull door opener (1).
- Position trim (2) and clip in using the latch mechanisms (3).

Additional Information

Overview of Tightening Torques

Flat motor on door module carrier

Used in step 3

Oval-head screw for thermoplastic	Tightening torque	3,5 Nm
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Door trim panel to door

Used in step 4

Screw TS5x20	Tightening torque	2,6 Nm
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Overview of Special Tools

0 496 569 (00 9 325) Wedge



Common		Used in step 1
Usage	(Panel wedge) From 11/2008 this special tool replaces panel wedge 00 9 317 (different material)	
Included in the tool or work	0 490 527	
Storage location	Individual	
Replaced by		
In connection with		
SI-Number	41 01 09 (507)	

61 00 ... Parking-residing-driving

Vehicles of the G series feature a new type of terminal control:

Functional description of the parking-residing-driving terminal control

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