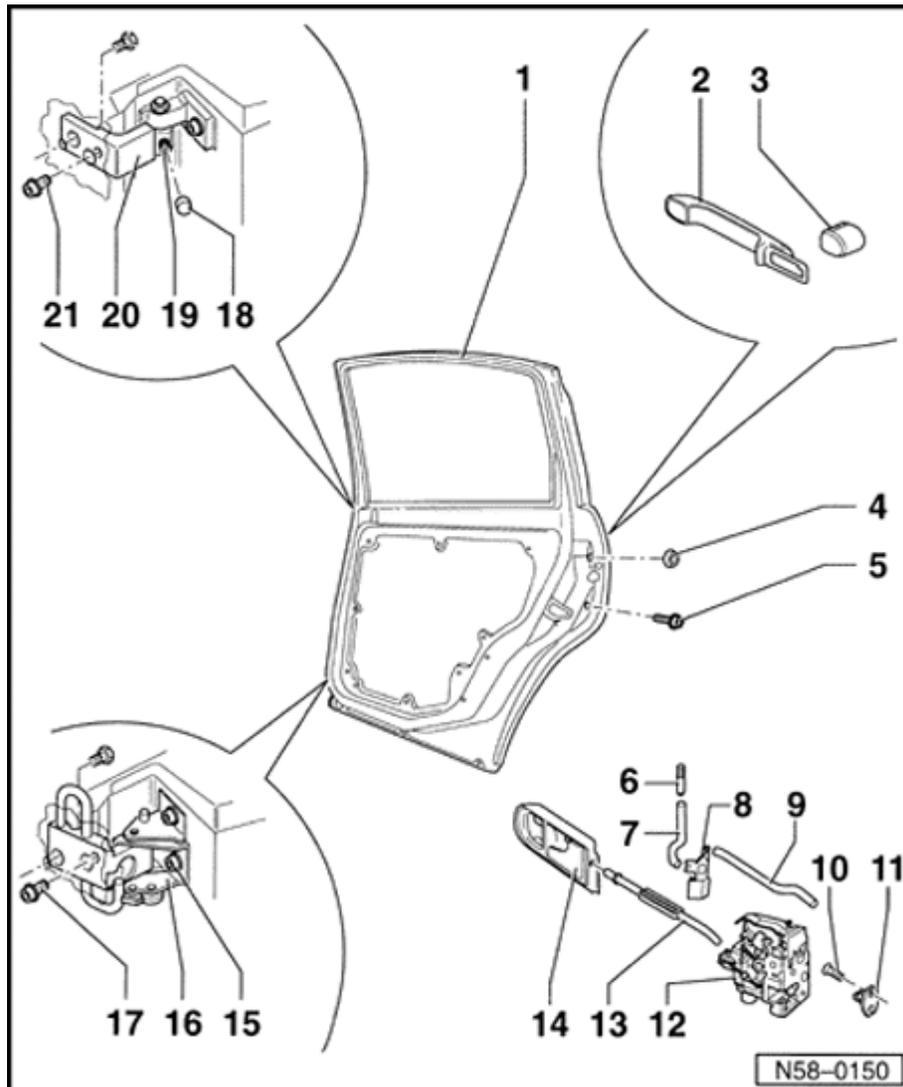


Rear door

Tools

Special tools, workshop equipment, testers, measuring instruments and auxiliary items required

- ◆ T 10011 Socket insert
- ◆ T 10072 Socket wrench
- ◆ T10118 Assembly tool
- ◆ 3320/2 Box spanner
- ◆ 3320/3 Box spanner
- ◆ 3410 Socket insert



Assembly overview

Note:

The hinge bolts must always be replaced if loosened.

1 - Door

◆ Removing and installing ⇒ [Page 58-5](#)

2 - Door handle with base

◆ Removing and installing ⇒ [Page 57-15](#)

3 - Housing

◆ Remove as in ⇒ [Page 57-13](#) ; Removing lock cylinder housing

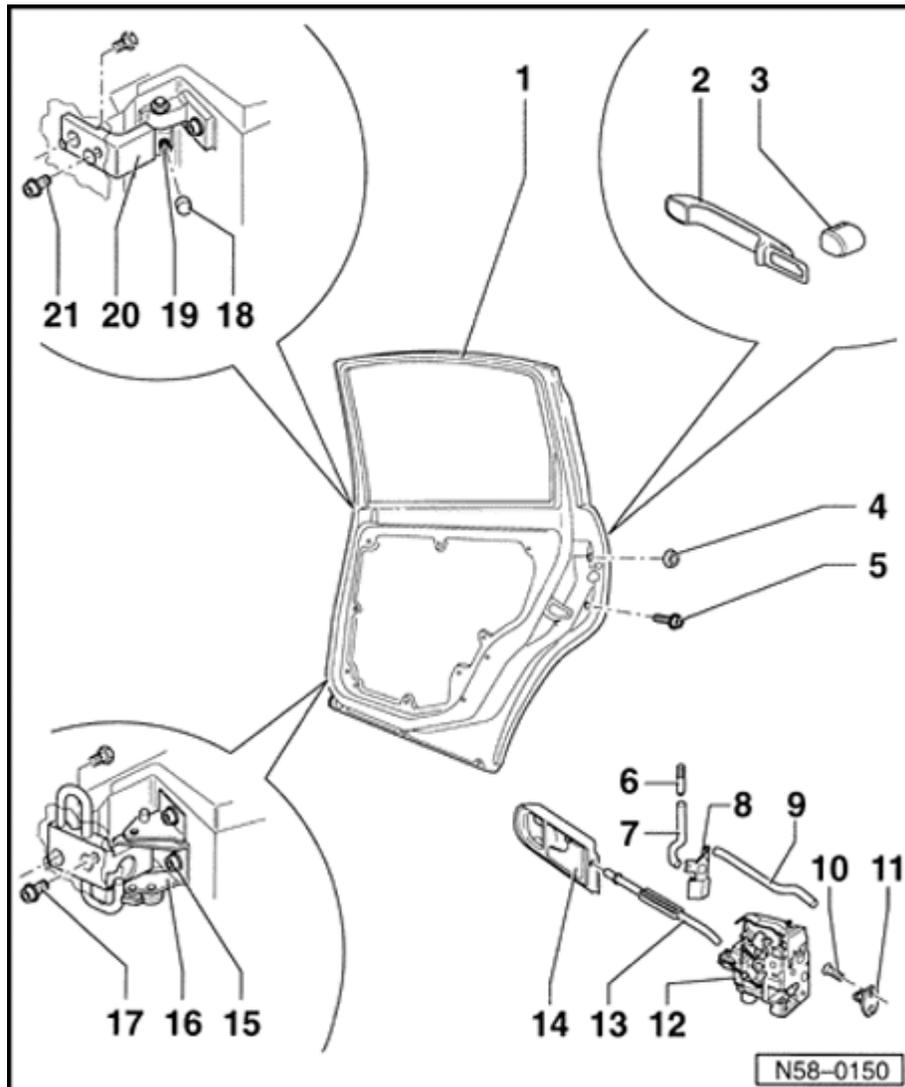
4 - Cover cap

5 - Screw

◆ 20 Nm

6 - Locking button

7 - Locking rod



8 - Bell crank

9 - Locking rod

10 - Screw

◆ 20 Nm

11 - Lock plate

12 - Door lock

◆ Removing and installing ⇒ [Page 58-13](#)

13 - Bowden cable

14 - Interior release handle

◆ Removing and installing ⇒ [Page 58-22](#)

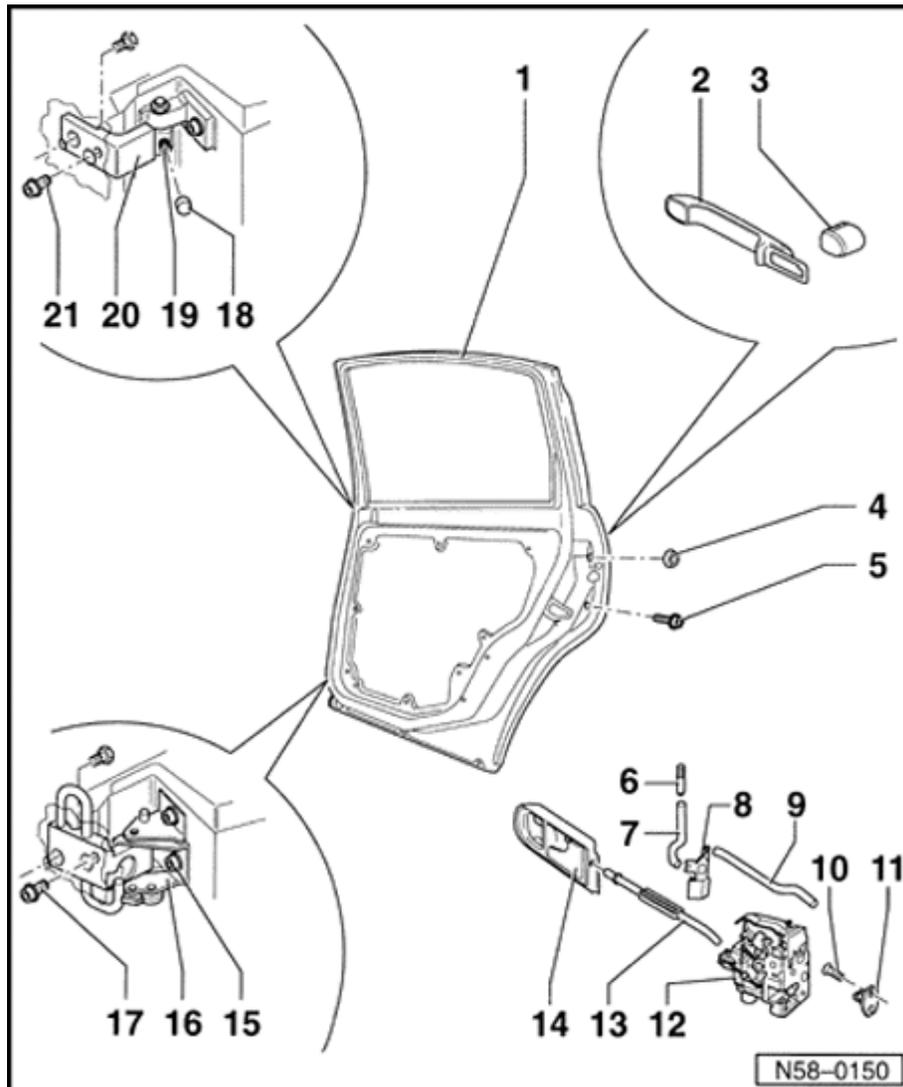
15 - Bolt

◆ M8 x 28

◆ Only remove this bolt from hinge to remove door

◆ 20 Nm + $\frac{1}{4}$ turn further (90°)

◆ Always replace after loosening



16 - Door hinge with arrester

- ◆ Hinge is split

17 - Bolt

- ◆ M8 x 28
- ◆ Only remove this bolt from hinge to remove door
- ◆ 20 Nm + $\frac{1}{4}$ turn further (90°)
- ◆ Always replace after loosening

18 - Cover cap

19 - Grub screw

- ◆ 23 Nm

20 - Door hinge

- ◆ Hinge is split

21 - Bolt

- ◆ 20 Nm + $\frac{1}{4}$ turn further (90°)
- ◆ Always replace bolt after loosening



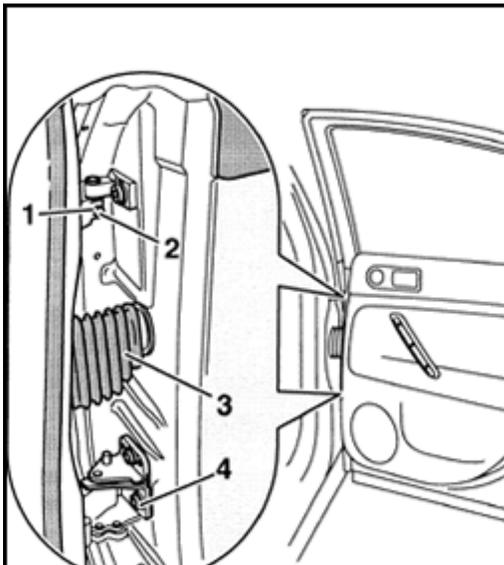
Door, removing and installing

Note:

Various screws are used to secure the door hinge. There are two box spanners for this, bit 3320/2 (Emden production only) as well as 3320/3.

- Remove B pillar upper and lower trim

⇒ [Repair Manual, Body Interior, Repair Group 70; Pillars and side panel trims](#)



A

- Disconnect multi-pin connector under rubber boot -3- on B pillar.
- Lever off cover cap -2- with a screwdriver.
- Remove grub screw -1- from upper hinge.
Grub screw tightening torque = 23 Nm.
- Remove lower bolt -4- from hinge.
Tightening torque = 20 Nm + $\frac{1}{4}$ turn (90°) further

Note:

Always replace this bolt.

- Lift door upwards out of hinge brackets.



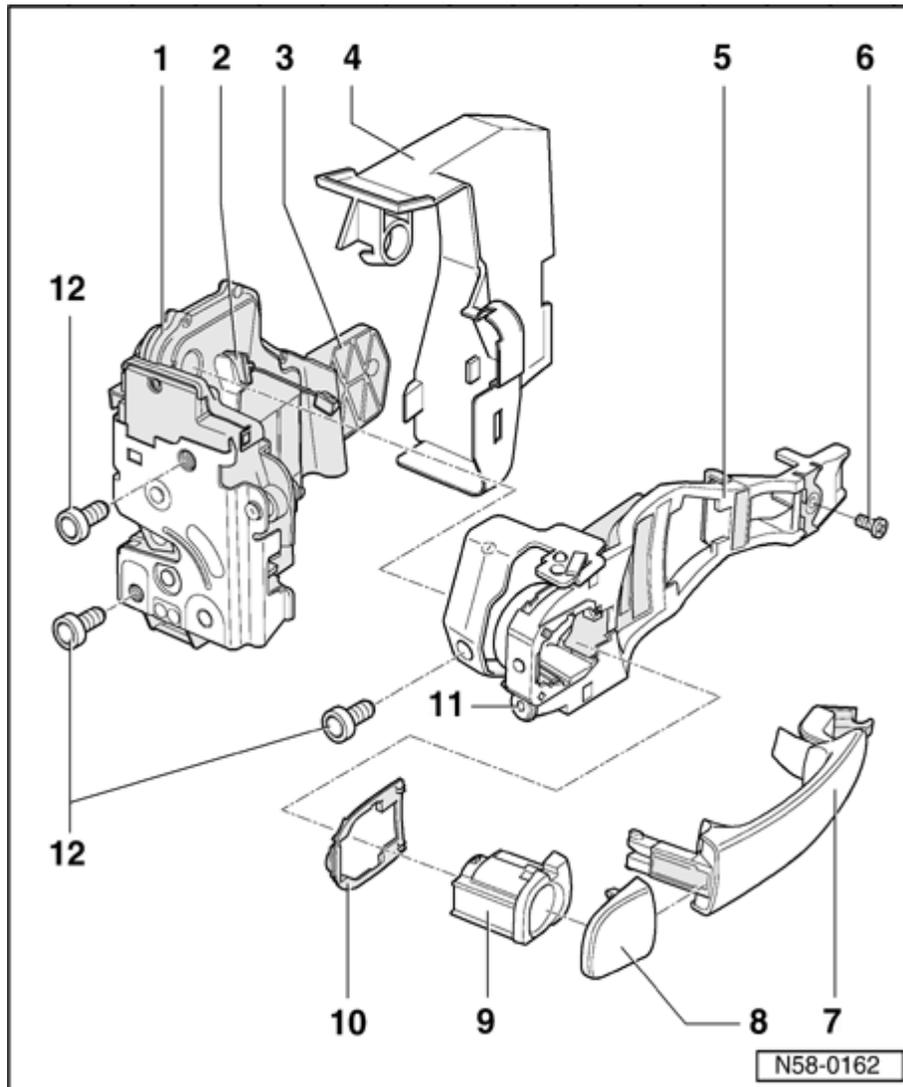
Door, adjusting

To ensure a correct door adjustment the door hinges on the pillar must be loosened. Other measures such as raising the door upwards have no effect. Over pressuring thereafter will again cause the door to sack.

Use door adjustment wrench 3320 with box spanner 3320/2.

If there is a requirement to loosen the door hinge on B-pillar from the interior, socket 3410 can be used. The B-pillar lower trim must be removed for this.

⇒ [Repair Manual, Body Interior, Repair Group 70; Pillar and side trims.](#)



Door handle and door lock, assembly overview

1 - Door lock

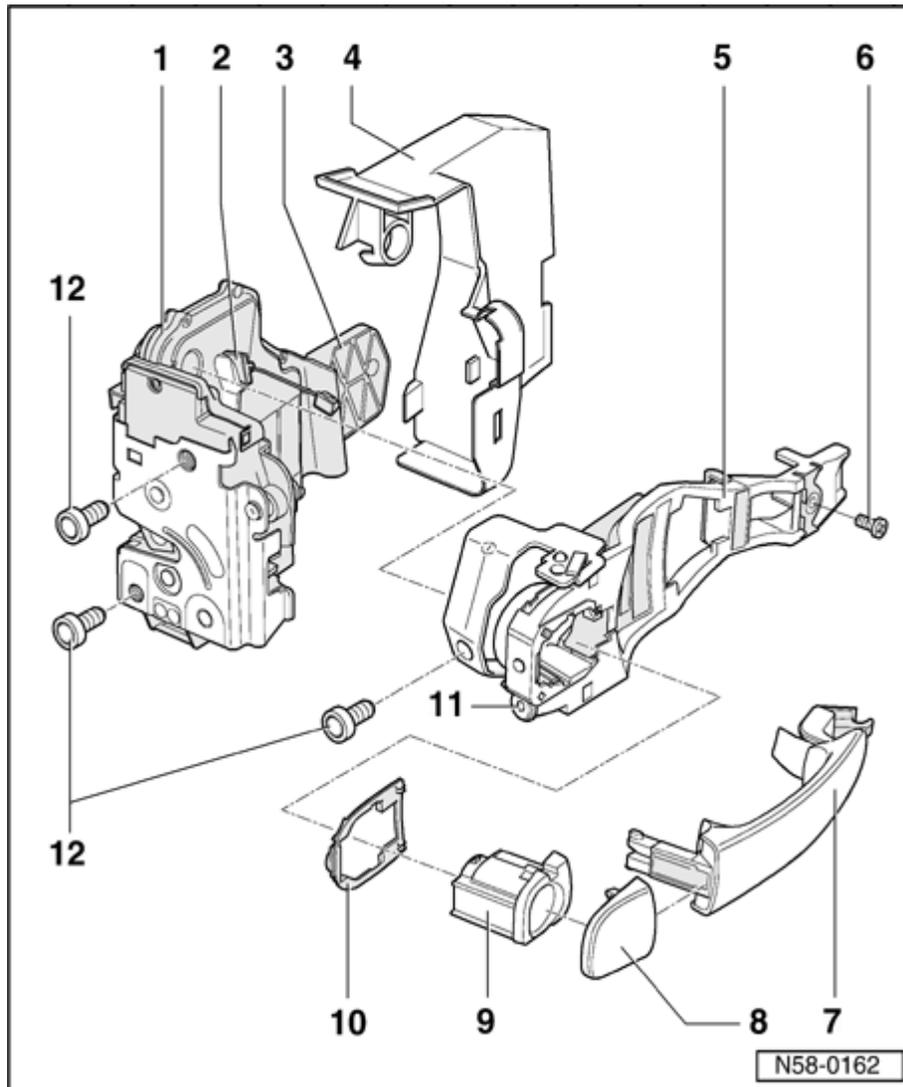
- ◆ Door lock can only be removed in conjunction with the subframe
- ◆ Removing and installing ⇒ [Page 58-13](#)
- ◆ Cover - 4 - was introduced as a running change in production for the lock. It is clipped onto the lock and must be re-installed or retrofitted when replacing the door lock.

2 - Cable

- ◆ Lock release

3 - Angle bracket

- ◆ Bolted and riveted to door lock
- ◆ Does not belong to door lock delivery casing



4 - Cover

- ◆ Does not belong to door lock delivery casing
- ◆ Must be re-installed or retrofitted when replacing door lock
- ◆ Retrofit for all vehicles ➤ 09.99

5 - Mounting bracket

- ◆ Removing

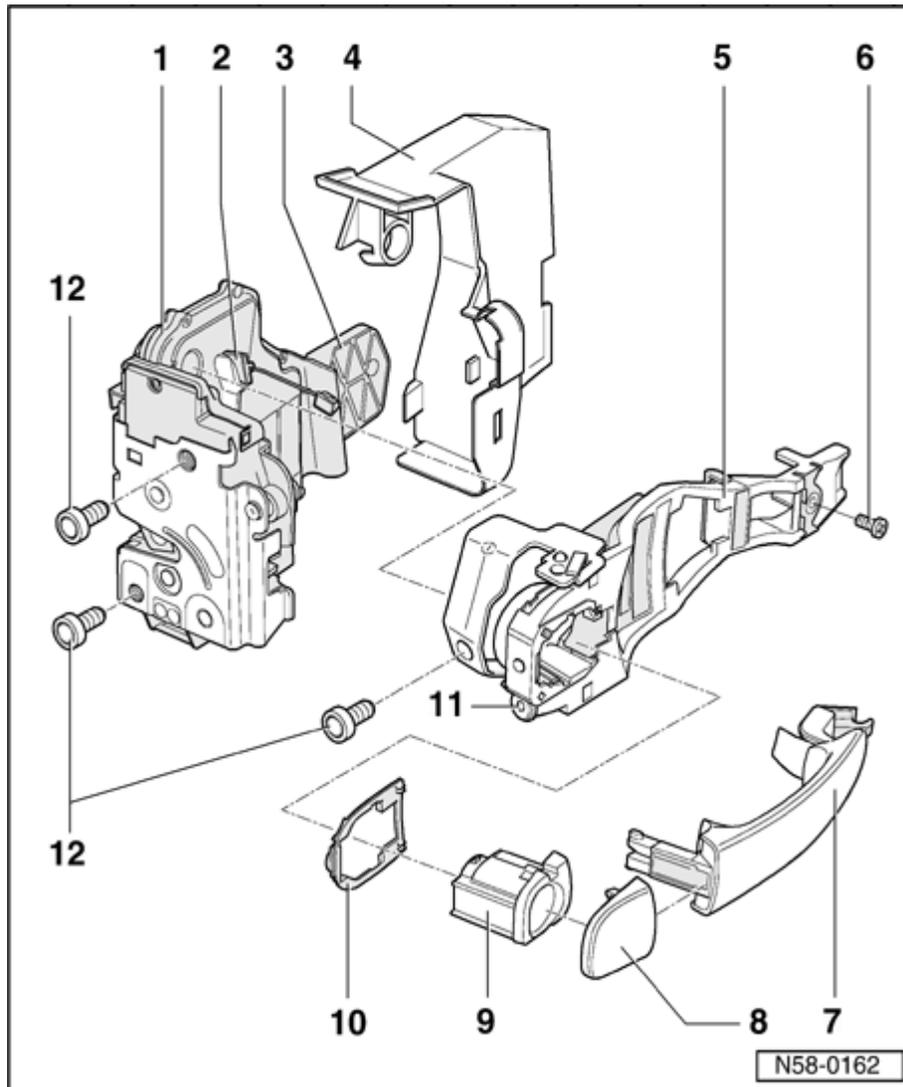
Door handle, lock cylinder housing and subframe have been removed

- Remove Phillips-head screw - 6 -, slide mounting bracket slightly to rear and remove from door.

6 - Phillips-head screw

7 - Door handle with backing plate

- ◆ Removing and installing ⇒ [Page 58-10](#)



8 - Concealment cap

9 - Housing

- ◆ Removing lock cylinder housing on ⇒ [Page 57-13](#)

10 - Base plate

11 - Socket-head bolt

- ◆ This bolt was replaced by a Torx bolt, and a new tool must be used for it
- ◆ T 10011 Socket insert
- ◆ T 10072 Socket wrench
- ◆ By loosening this bolt, locking mechanism for housing - 9 - is disengaged and housing may be removed from mounting bracket - 5 -
- ◆ Bolt - 11 - must not be threaded in without lock cylinder housing installed. Lock mechanism ring may fall into door.

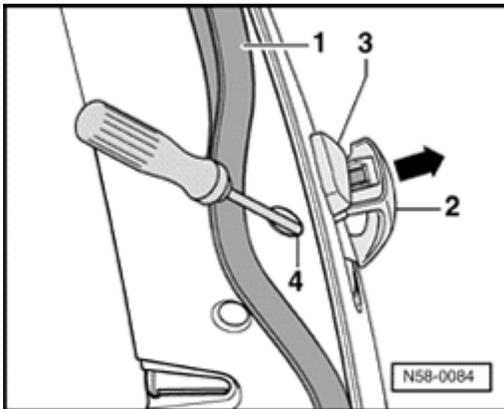
12 - Bolts

- ◆ 20 Nm



Door handle, removing and installing

Removing



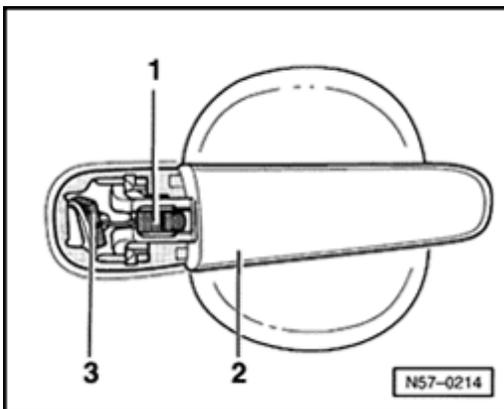
A

- Pull off door seal -1- in area of door handle.
- Pull door handle -2- in direction of arrow and hold. Unscrew bolt -4- onto stop using socket wrench T 10011 (T10072). This releases the lock cylinder housing.

Note:

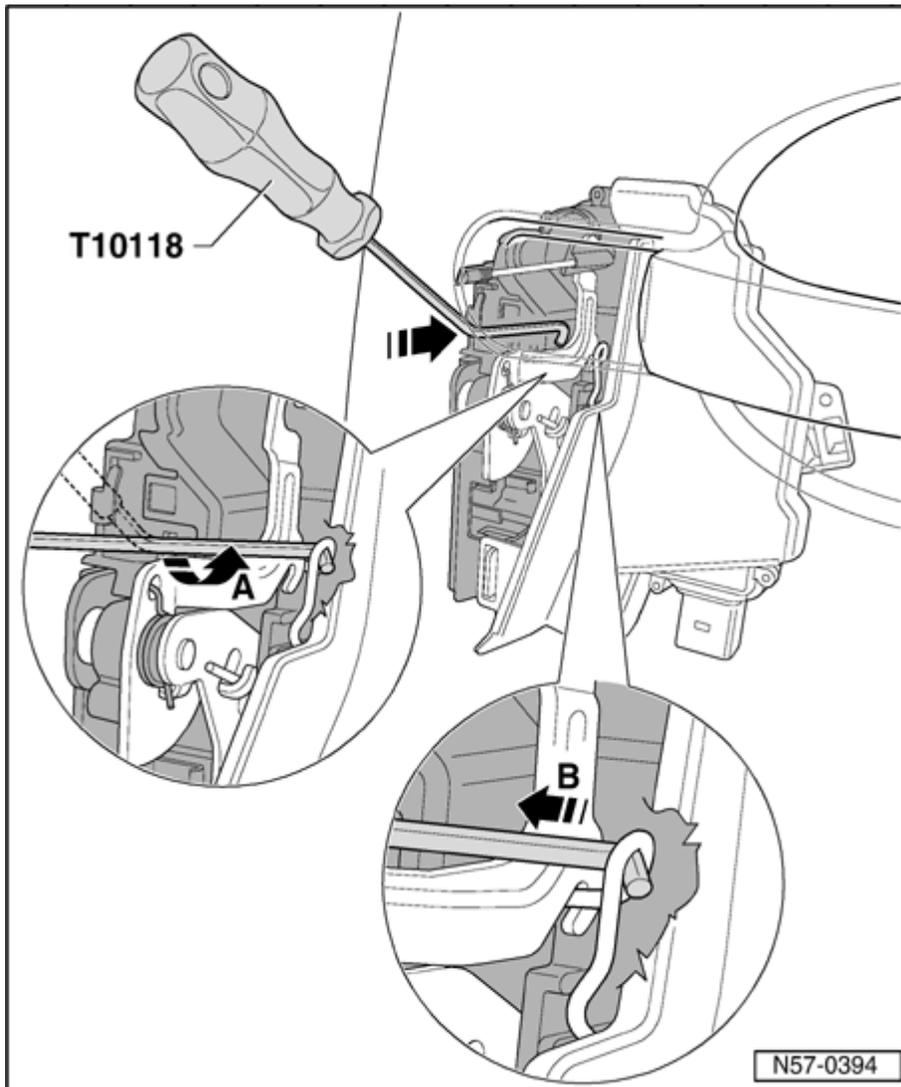
Unscrewing the bolt too far may cause the locking ring to release from the support bracket and fall into the door.

- Pull housing -3- at right angles to door, out from door handle bearing plate.



A

- Unclip clip -1- from door handle.
- Swing door handle out of door.

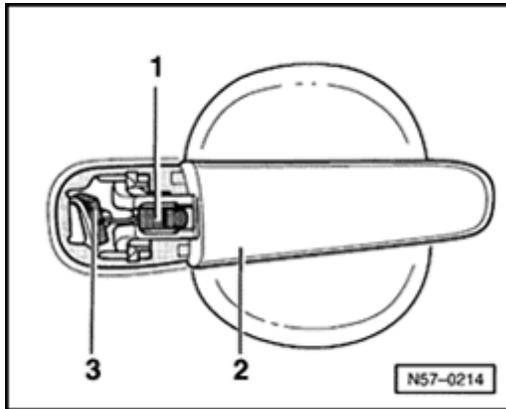


Installing

Vehicles from Vehicle Identification Number (VIN) 3B XE 060 000, and 3B XP 075 000

- Guide assembly tool T 10118 into door through opening in the inner door plate.
- Illuminate the inner part of door using a flashlight for better view.
- Hook assembly tool into spring (arrow -A-).
- Engage spring into door lock by pulling assembly tool (arrow -B-).

Activation lever is now locked.



- Swing door handle into door.

A

- Pull clip -1- into panel cut out and engage in door handle -2-.

Note:

When assembling clip, do not pull lock operating lever -3- and press door handle -2- onto door panel.

- Removing housing, see removing lock cylinder housing ⇒ [Page 57-13](#).

- Then perform a functional check always as an incorrectly fitted and adjusted Bowden cable cannot open the door.



Door lock, removing and installing

The window lifters, the door lock and the loudspeaker are secured to the assembly carrier.

The door lock can only be removed in conjunction with the assembly carrier.

The assembly carrier can only be removed when the door window is released from electric window lifter. To do this lower door window to the height of the assembly holes in assembly carrier and remove spreader pins.

If electrical windows cannot be lowered then the cause of the fault must be determined first.

To do this interrogate convenience locking systems fault memory (address word 46) with fault reader V.A.G 1551

⇒ [*Repair Manual, Body On Board Diagnostic \(OBD\), Repair Group 01; Convenience system; Interrogating fault memory.*](#)

If a fault is present then proceed as described on pages ⇒ [Page 58-14](#) and ⇒ [Page 58-15](#) .



Removing

All vehicles

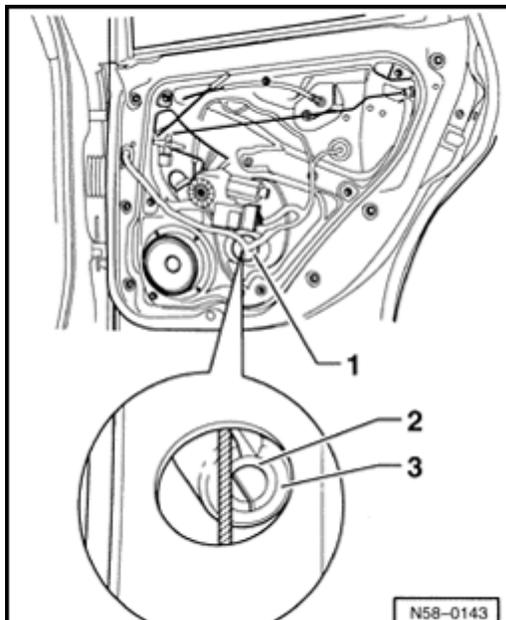
- Removing rear door trim

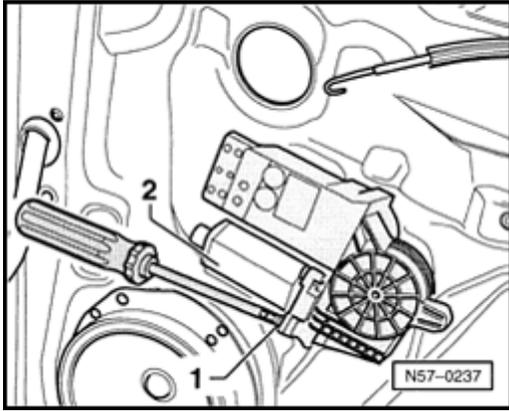
⇒ [Repair Manual, Body Interior, Repair Group 70; Removing and installing door trim](#)

- Removing housing ⇒ [Page 57-13](#) ; removing and installing lock cylinder

- Lever out cover cap -1-.

Vehicles with electric windows





- Unscrew bolts -1- (Qty. 4).
- Pull housing -2- off window motor.



Bosch electric window lifter motor

A

- Pull armature -1- off window motor -arrow-.
- The door window can now be pushed down to the height of the assembly holes in the assembly carrier.

Note:

The motor must not be reused.

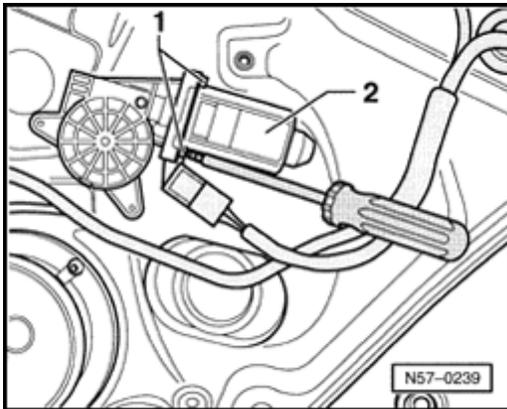
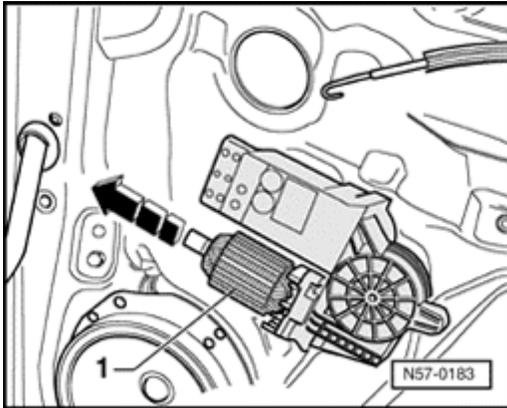
Siemens electric window lifter motor

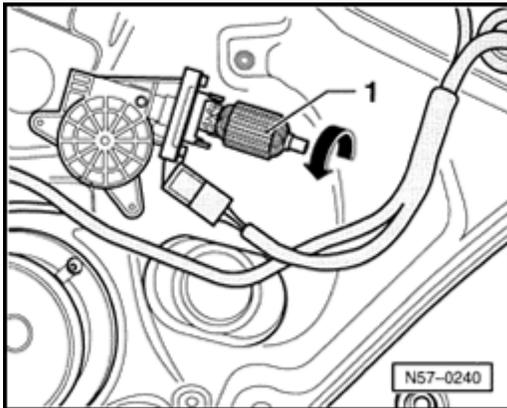
A

- Unscrew bolts -1- (Qty. 4).
- Pull housing -2- off window motor.

Note:

The motor must not be reused.

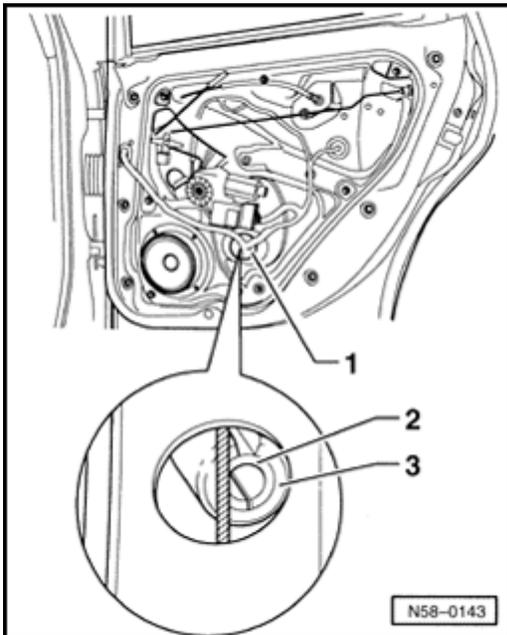




A

- The door window can be lowered down to the height of the assembly holes by turning the armature -1-.

All vehicles



A

- Lower door window until spreader pin -2- and spreader plug -3- are accessible in window lifter cut-out.

Note:

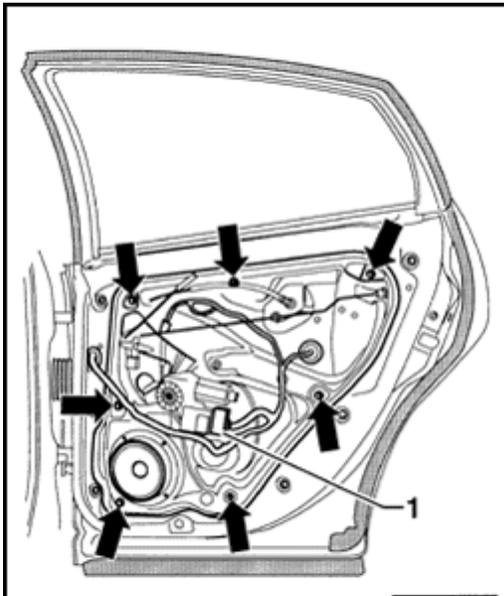
When pressing out the spreader pin and the spreader plug ensure that the door outer panel is not damaged.

- Screw a 5 mm bolt (approx. 70 mm long) into the spreader pin -2- and pull out from spreader plug -3-.
- Now screw an 8 mm bolt (approx. 80 mm long) into spreader plug -3-.

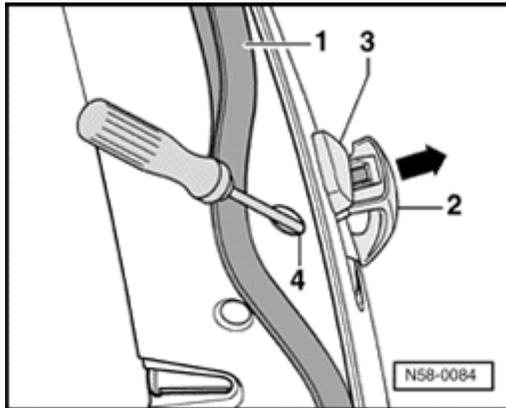
**Note:**

Do not exert to great a pressure on the plug otherwise the plug will fall into the door.

- Pull spreader plug out from window guide and subsequently out from door window.
- When doing this press window lifter cable -2- to side with a screwdriver.
- Push window upward and secure in position (e.g. with adhesive tape).
- Separate connector -1-.
- Unscrew bolts -arrows-.



A



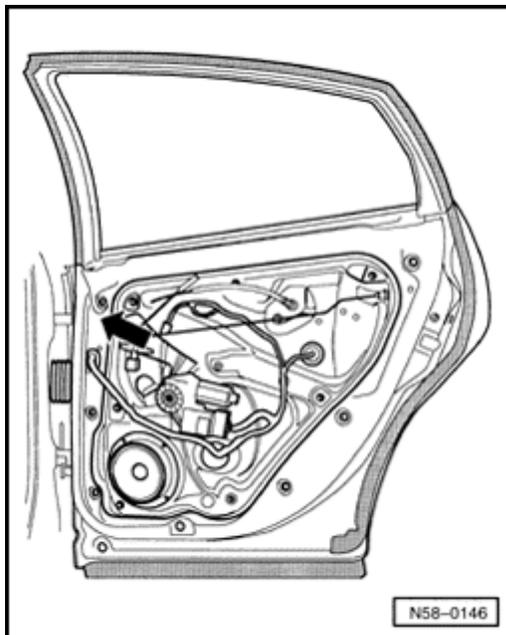
A

- Pull off door seal -1- in area of door handle.
- Pull door handle -2- in direction of arrow and hold. Unscrew bolt -4- onto stop using socket insert T 10011. This releases the lock cylinder housing.

Note:

Unscrewing the bolt too far may cause the locking ring to release from the support bracket and fall into the door.

- Pull housing -3- at right angles to door, out from door handle bearing plate.



A

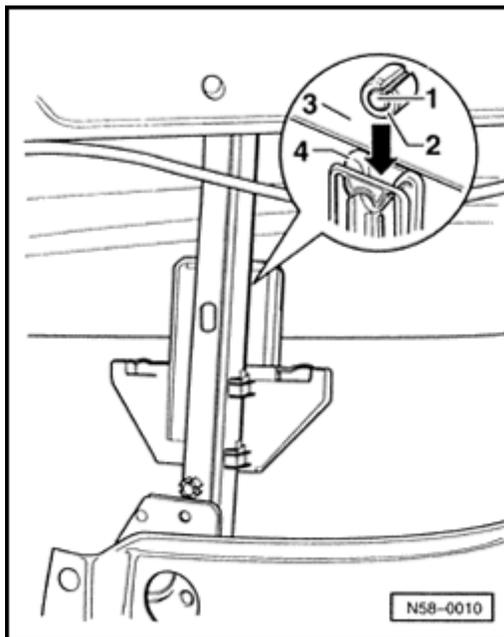
- Pull top of assembly carrier off door, lift and take out from door towards hinges -arrow-.
- Turn assembly carrier and pull connector off door lock.
- Then unclip clips for electrical cables on back of assembly carrier.



Installing

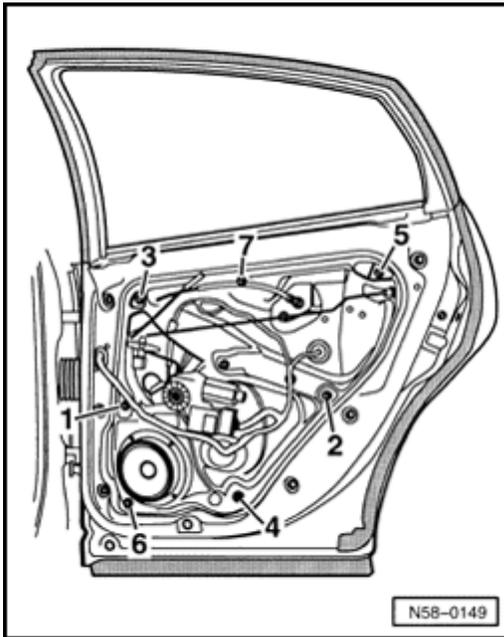
Notes:

- ◆ *When replacing door lock, make sure that the cover (Item - 4 -, ⇒ [Page 58-8](#)) is re-installed or retrofitted on door lock.*
- ◆ *Retrofit cover for all vehicles ➤ 09.99.*



A

- Insert spreader plug -2- and spreader pin -1- in the window.
- Set spreader plug projection on each side of window.
- Guide window into door.
- Insert assembly carrier in door.



A

- Fit bolts and tighten in the prescribed sequence. Tightening torque: 8 Nm.
- Install door window, see Fitting door window to window lifter on page ⇒ [Page 58-21](#) .

Install remainder in reverse order.

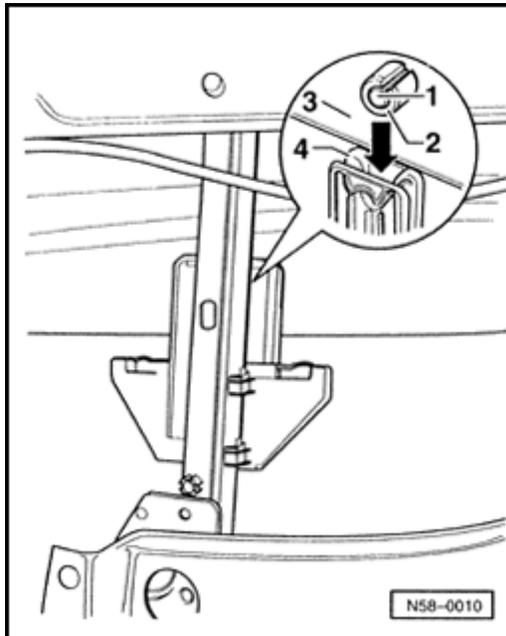
- Then perform functional check.



Door window, fitting to window lifter

A

- Insert spreader plug -2- and spreader pin -1- in the window.
- Set spreader plug projection on each side of window.
- Guide window into door.
- Insert door -3- in the window lifting rail guide slot -4-.
- Lightly tap top of window, so that the window locates in lifting rail - arrow-.

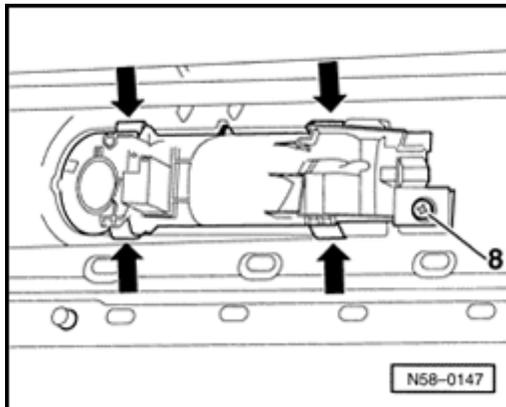




Inner release handle, removing

- Removing rear door trim

⇒ [Repair Manual, Body Interior, Repair Group 70; Removing and installing door trim](#)



A

- Remove cross head screw -1-.
- Unclip door inner release -arrows- and take out from door trim.



Door seals

Door seals are fitted in series production with a sealant, they are placed on the door flange and then rolled on.

Note:

If they are removed the sealant will spread on the inside of the seal and the flanks will be bent out slightly. If the seal is then refitted there is no guarantee that it will fit tightly and seal.

Therefore each seal which is removed completely should be replaced by a so called "hammer blow" seal.

When seals have been partially removed squeeze the flanks together before refitting.



Door inner seal, removing and installing

A

- Pull door inner seal off body flange.
- When installing the door inner seal, start at upper radius of the door cut-out -1-.

