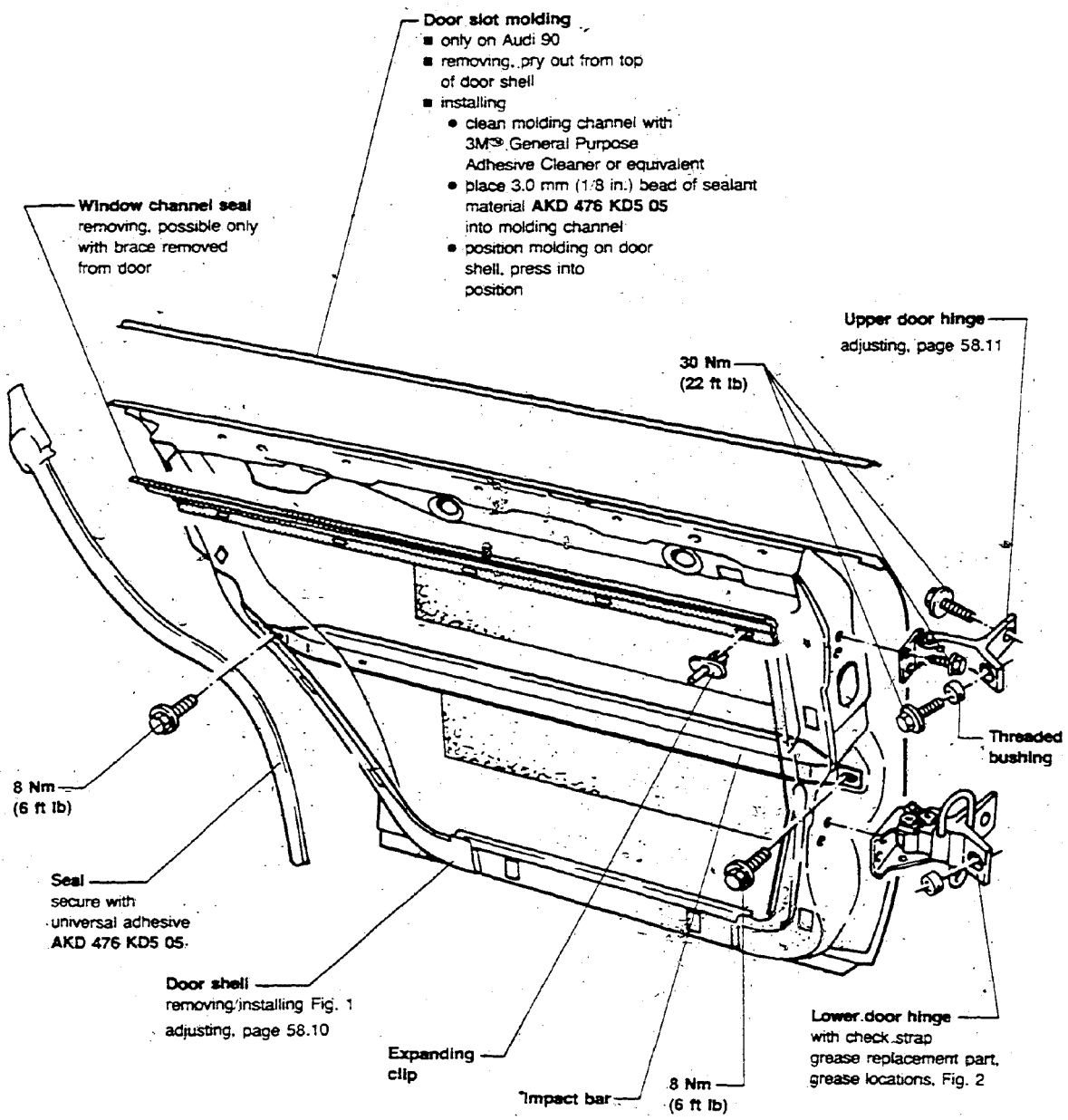
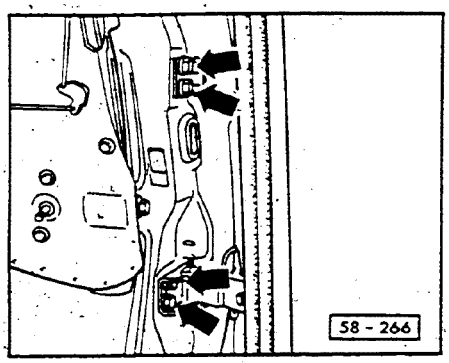
Index


Door slot molding
■ only on Audi 90
■ removing, pry out from top of door shell
■ installing
• clean molding channel with 3M® General Purpose Adhesive Cleaner or equivalent
• place 3.0 mm (1/8 in.) bead of sealant material AKD 476 KD5 05 into molding channel
• position molding on door shell, press into position
Window channel seal
removing, possible only with brace removed from door
Upper door hinge
adjusting, page 58.11
30 Nm
(22 ft lb)
Threaded bushing
8 Nm
(6 ft lb)
Seal
secure with universal adhesive AKD 476 KD5 05.
Door shell
removing/installing Fig. 1
adjusting, page 58.10
Expanding clip
Impact bar
8 Nm
(6 ft lb)
Lower door hinge
with check strap
grease replacement part, grease locations, Fig. 2
58-314



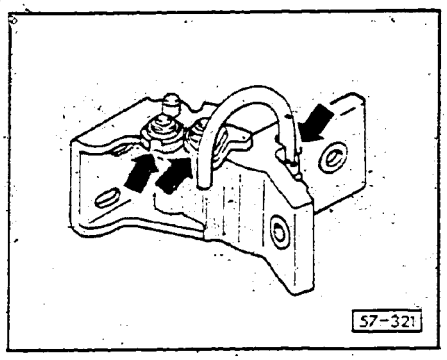
▶ **Fig. 1 Door shell removing/installing**

Removing

- unscrew hex head bolts (**arrows**)

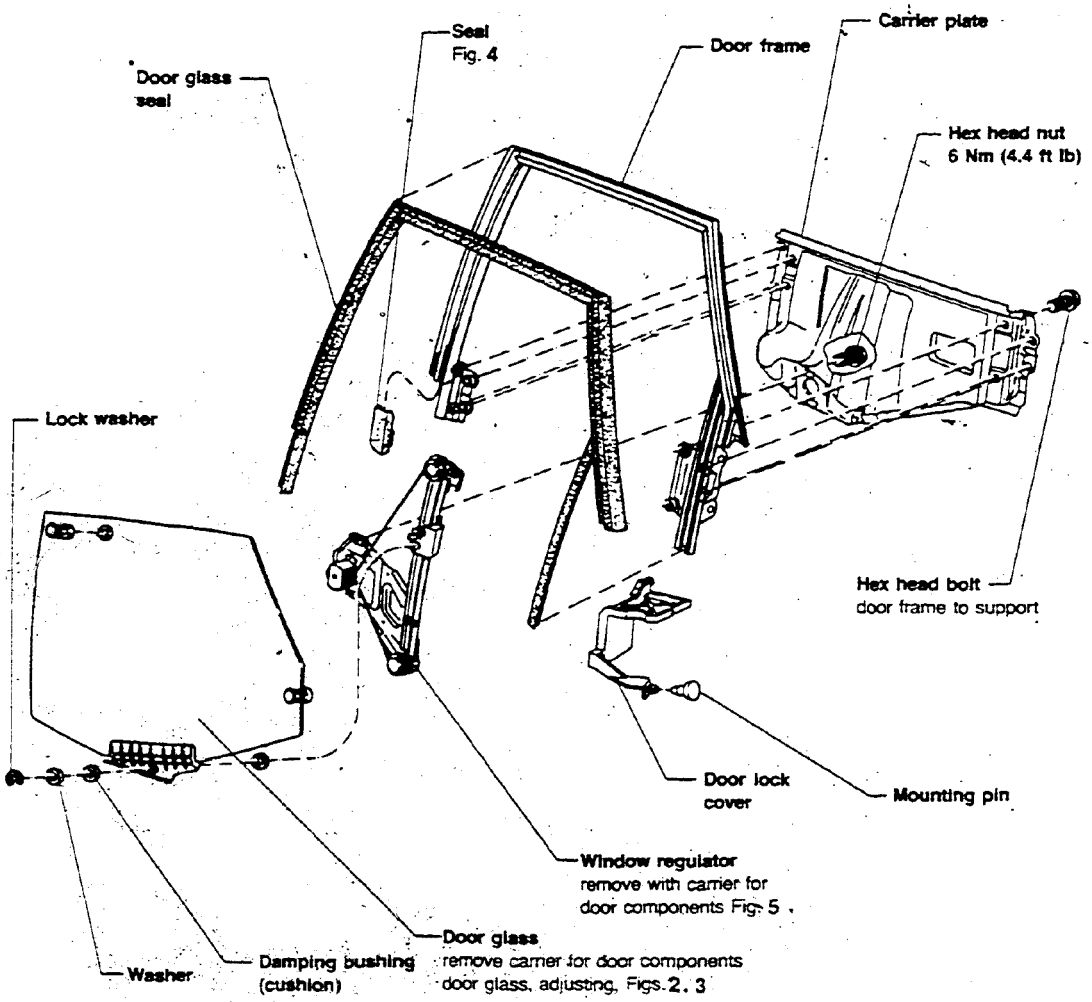
Installing

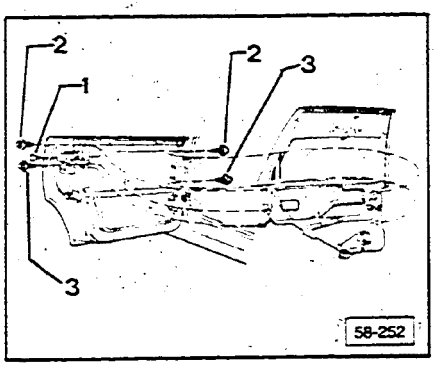
Install in reverse order, note the following
- adjust door to eliminate wind noises, see page 58.12
- check adjustment of carrier for door components, see page 58.12



▶ **Fig. 2 Lower door hinge, grease locations**

Apply grease **A0S 126 000 05** or equivalent as shown (**arrows**).


Seal
Fig. 4
Door frame
Carrier plate
Door glass seal
Hex head nut
6 Nm (4.4 ft lb)
Lock washer
Hex head bolt
door frame to support
Door lock cover
Mounting pin
Window regulator
remove with carrier for door components Fig. 5
Door glass
remove carrier for door components door glass, adjusting, Figs. 2, 3
Washer
Damping bushing (cushion)
58-251



▶ **Fig. 1** **Rear door component carrier, removing/installing**

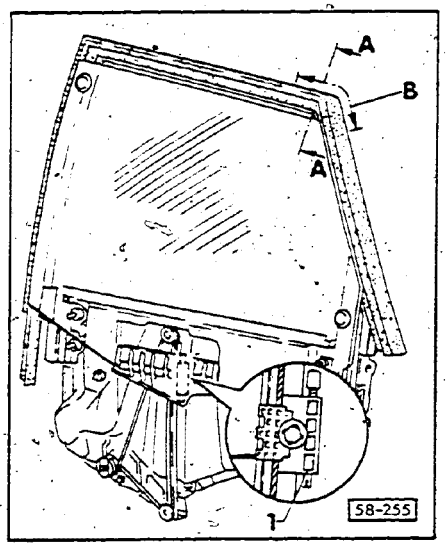
Removing

- remove door trim panel, see Repair Group 70
- unhook cable for inner door release mechanism, Fig. 8
- unclip and remove cable from door carrier
- remove mounting pin **1**, press covering for door lock forward
- remove hex head bolts **2**, **3**

Installing

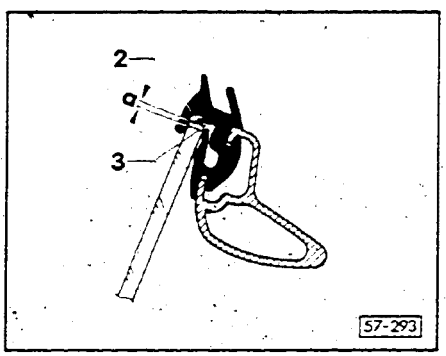
Install in reverse order, note following:

- torque hex heads bolts 20 Nm (15 ft lb)



▶ **Fig. 2** **Glass, adjusting**

A-A = cross section
B = area between roof and C-pillar
1 = adjustable stop for window regulator

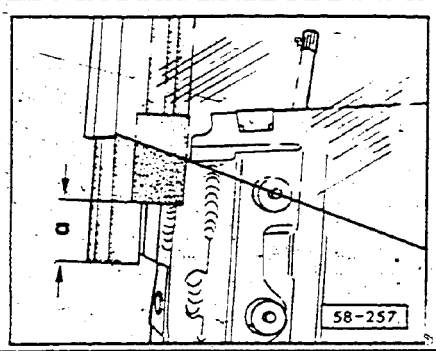


▶ **Fig. 3**

- adjust upper stop of window regulator so upper edge of the window **3** makes contact with the sealing lip **2** in the transition area **B**, Fig. 4
  a = 0 + 0.5 mm (approximately 1/32 in.)

Note

Sealing lip **2** must contact glass to stop leaks.

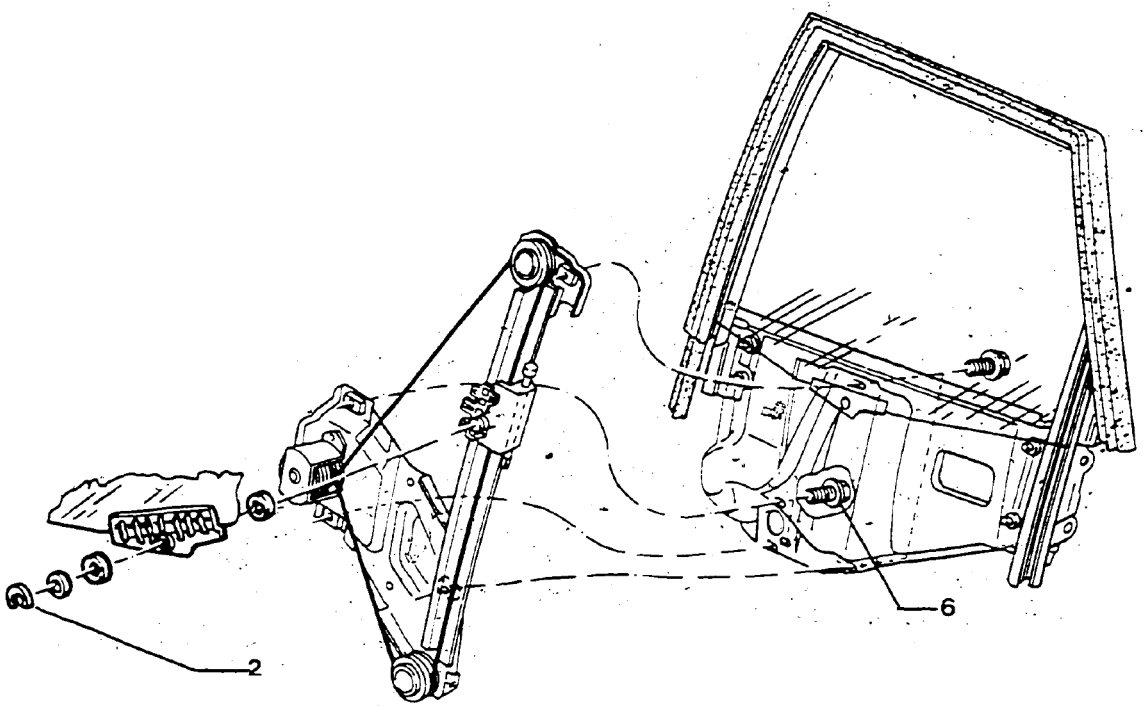


▶ **Fig. 4** **Seal plug**

- insert into window channel
  a = 25 mm (1.0 in.)
  • measured from end of window channel

Note

Plug is used to seal and prevent air noise.



▶ **Fig. 5 Window regulator, removing/installing**

Removing

- remove door component carrier, Fig. 1
- remove lock washer 2
- remove mounting washer and bushing
- remove window, window regulating bolts
- remove hex head bolts 6
- remove regulator hex head bolts in lower door

Installing

Install in reverse order, note following:

- torque hex bolts 6 Nm (4.4 ft lb)
- install bushing between window regulator and glass
- check and adjust alignment of window, adjusting, Figs. 3, 4

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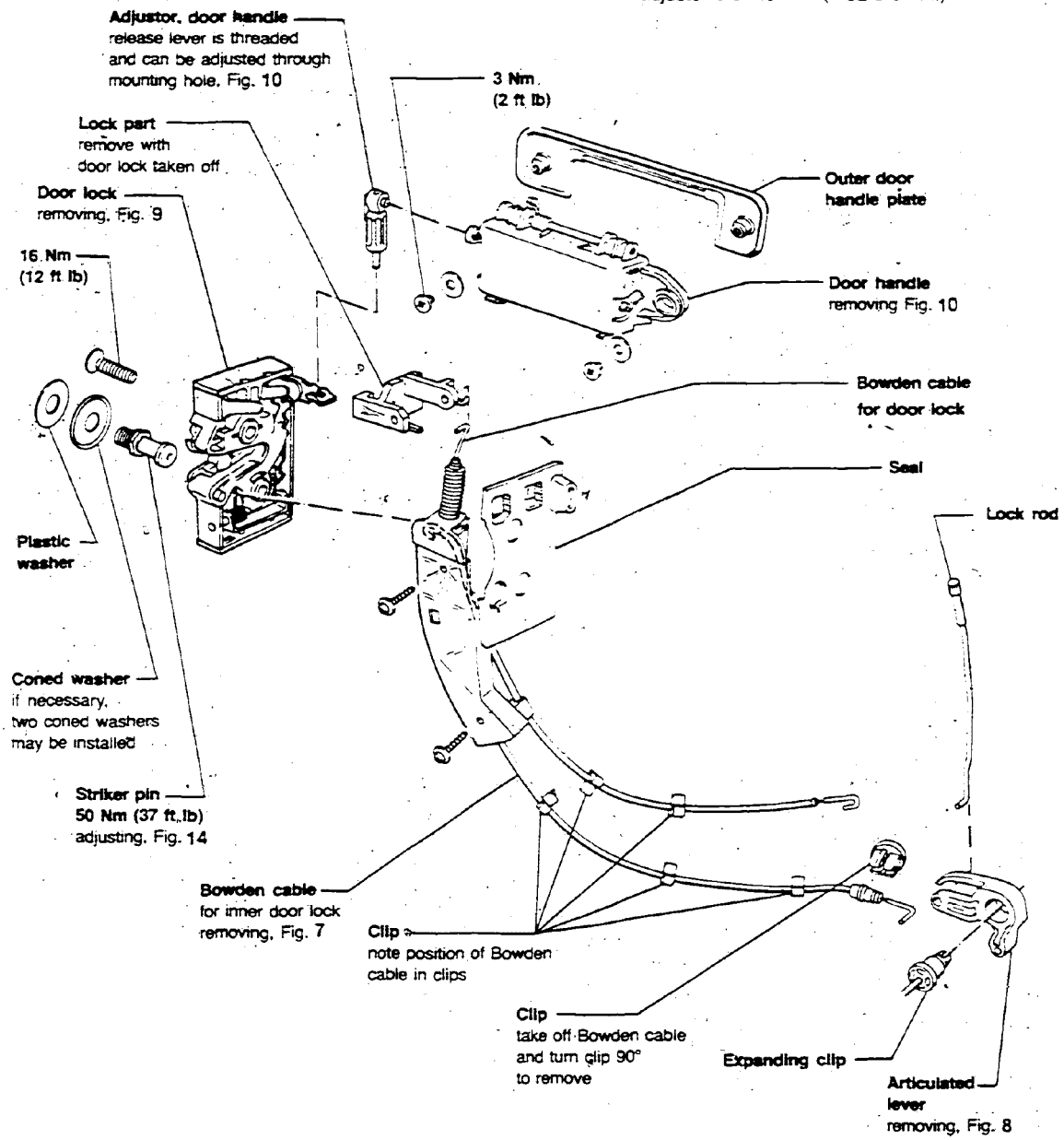
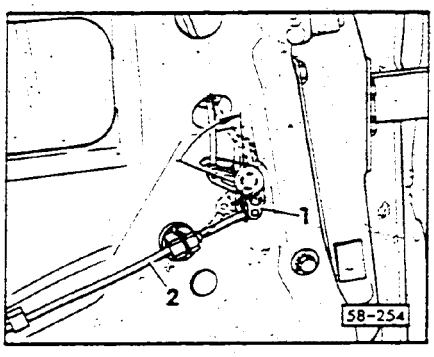
Note

Turn adjustor part to adjust free play between door handle and door lock.

Release lever should not be forced when adjusting.

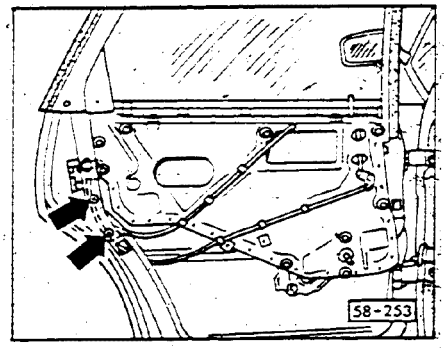
- maximum play between release lever and adjustor 0.5-1.0 mm (1/32-3/64 in.)





▶ **Fig. 6 Removing Bowden cable for door lock from articulated lever**

- unclip Bowden cable from clip
- turn articulated lever **1** approximately 45° in direction of arrow and remove Bowden cable **2**



▶ **Fig. 7 Bowden cable for inner door mechanism, door lock, removing/installing**

Note

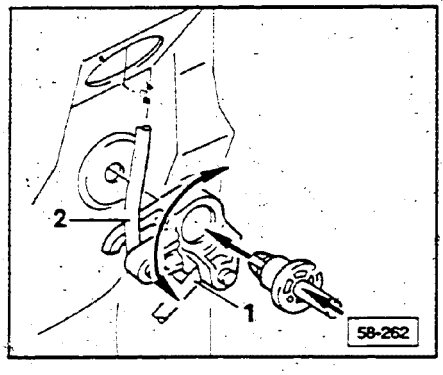
Bowden cables can be removed with mounting plate.

Removing

- remove door trim plate (see Repair Group 70)
- unclip Bowden cable
- remove door lock, Fig. 10
- unscrew mounting plate from Bowden cable
- pull out Bowden cable with lock part

Installing

Install in reverse order.



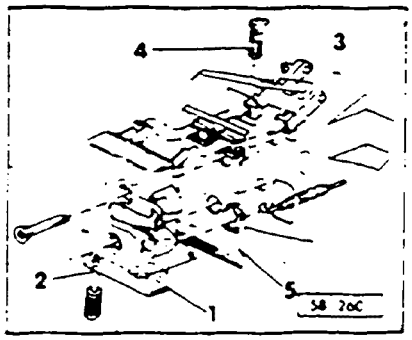
▶ **Fig. 8 Articulated lever, removing/installing**

Removing

- press pin from expanding clip
- swivel articulated lever in direction of arrow, detach Bowden cable **1** and securing rod **2**

Installing

Install in reverse order.



▶ Fig. 9 Door lock, removing/installing

Removing

- remove door panel (see Repair Group 70)
- pivot lever 1 by pulling Bowden cable in direction of arrow and holding in position with screwdriver through hole 2
- unhook Bowden cable
- remove bolts
- pull door lock out of fastener 3, gasket 5

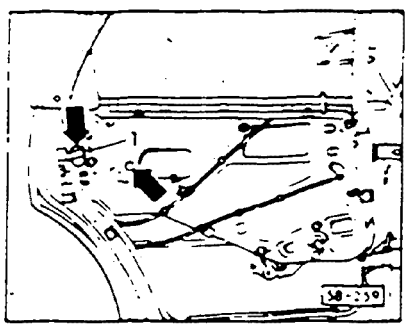
Installing

Install in reverse order, note following

- attach Bowden cable
- fit door lock into fastener
- align door handle to door lock
- adjust as required, page 58-10
- guide operating mechanism 4 into door lock operating lever

Note

This operation can be observed through the access hole, see Fig. 11



▶ Fig. 10 Door handle, removing/installing

Removing

- carrier for door components installed, trim panel removed

- push fastener 1 downwards to lock door lock
- press bolts through access holes (**arrows**)
- take out door handle together with operating mechanism toward interior door

Installing

Install in reverse order, note the following

- first guide operating mechanism into door lock release lever

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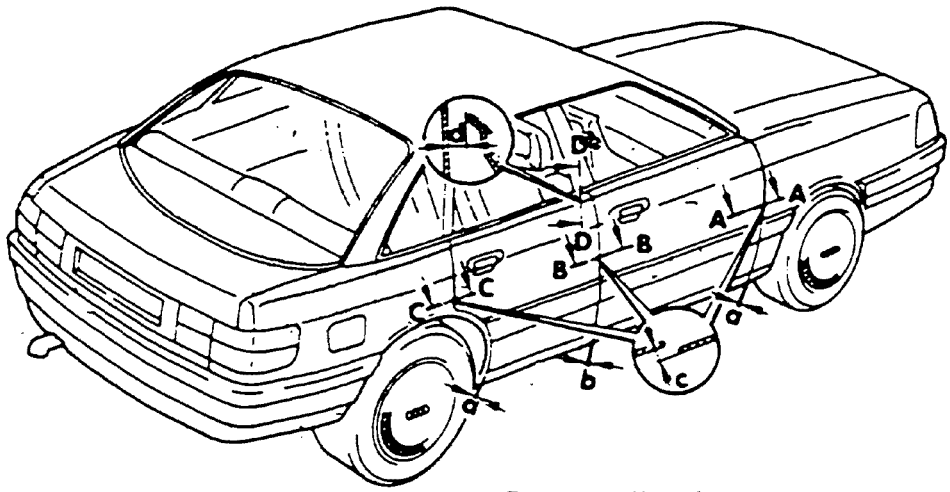


▶ Doors adjusting

1 — Adjustment of door shell

A — gap width
Adjustment of doors with hinges, Fig. 12
a = 5 ÷ 1 mm (13/64 – 3/64 in.)
b = 5.5 – 1 mm (7/32 – 3/64 in.)

B — height adjustment
Adjustment of mounting hinges to B-pillar, see Fig. 12

C — to prevent wind noises, adjust using slots in the mounting hinges and at back doors at striker, Figs. 13

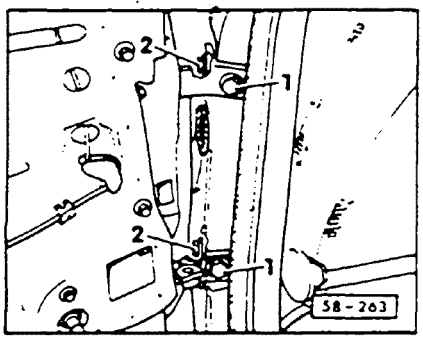
Section A-A, B-B, C-C:
C = 0.5 ÷ 0.5 mm (1/64 – 1/64 in.)

Section D-D:
d = 14.5 mm (9/16 in.)

2 — Adjusting carrier for door components

A — height adjustment
Adjust displacement of carrier in door shell upwards or downwards, Figs. 15 16

B — seal
Adjust carrier towards center of vehicle (screw upper carrier bolts loosely), Fig. 16

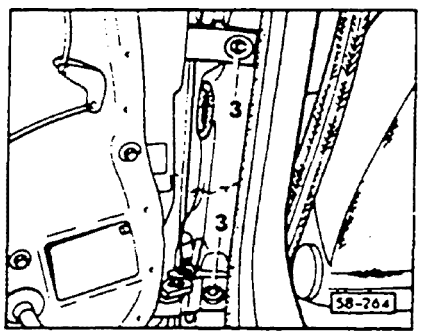


▶ **Fig. 11 Door gap, adjusting**

- with bolts **1** removed, screw out threaded bushing until it no longer makes contact with B-pillar
- loosen bolts **2**, close door and adjust gap by moving the door
  a = 5 ÷ 1 mm (13/64 – 3/64 in.)
- open door, tighten bolt **2** to 30 Nm

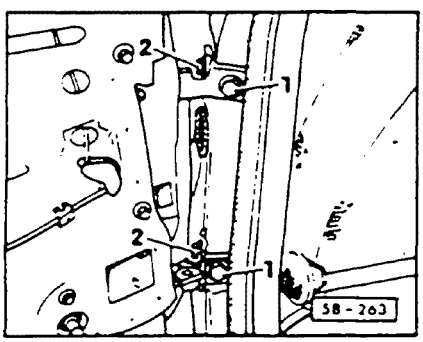
Note

Loosen or tighten with **US 2598**.



▶

- screw in threaded bushings **3** until they make contact with B-pillar
- screw in bolts, tighten to 30 Nm (22 ft lb)
- check gap



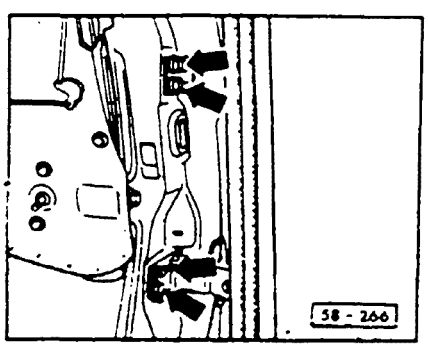
▶ **Fig. 12 Door height, adjusting**

- loosen bolts **1** and **2**

Note

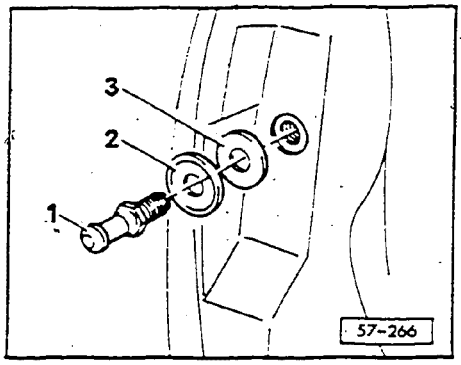
Loosen or tighten with **US 2598**.

- move door with hinges in the extra large holes
- tighten bolts to 30 Nm (22 ft lb)



▶ **Fig. 13 Wind noise, eliminating**

- loosen front door bolts (**arrows**), move door in hinge slots, see page 58.15
  - dimension between door shell and B-pillar
    d = 14.5 mm (9/16 in.)
- tighten bolts to 30 Nm (22 ft lb)



▶ **Fig. 14 Rear door, elimination of wind noise**

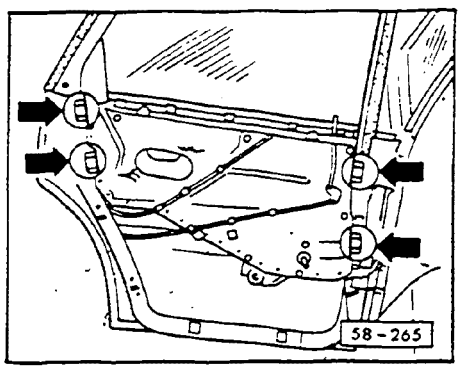
Adjustment of striker pin will eliminate noise at rear of door.

- adjust striker pin
  - 50 Nm (37 ft lb)

1 = striker plate
2 = dished washer

Note

If necessary, two dished washers can be used.

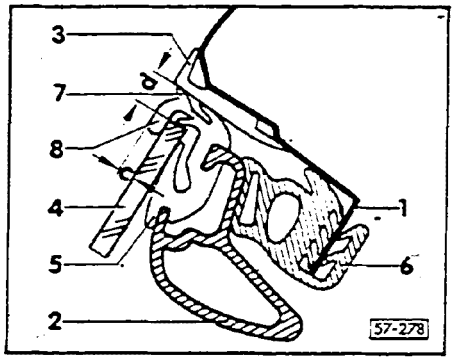


▶ **Fig. 15 Adjusting carrier for door components**

Note

Window and door shell must also be adjusted.

- loosen bolts
- close door
- press carrier for door components against roof and pillar
- use helper to tighten first upper then lower bolts
  - 20 Nm (15 ft lb)
- ensure carrier is installed with more pressure on top
  - do **NOT** press in door shell
- check all dimensions



▶ Fig. 16 Door component carrier, dimensions

- left door cross section shown

- the outer sealing lip **7** must make contact along the edge of the pillar and roof trim molding **3**
- the outer window sealing lip **8** must not project outwards above the roof trim molding **3**

c = 3.5 ± 1 mm (9/64 ± 3/64 in.)
d = 8.1 ± 1 mm (5/16 ± 3/64 in.)

1 = sealing flange
2 = door frame
3 = roof trim molding
4 = window
5 = window seal
6 = inner door seal
7 = weatherstrip
8 = weatherstrip on window