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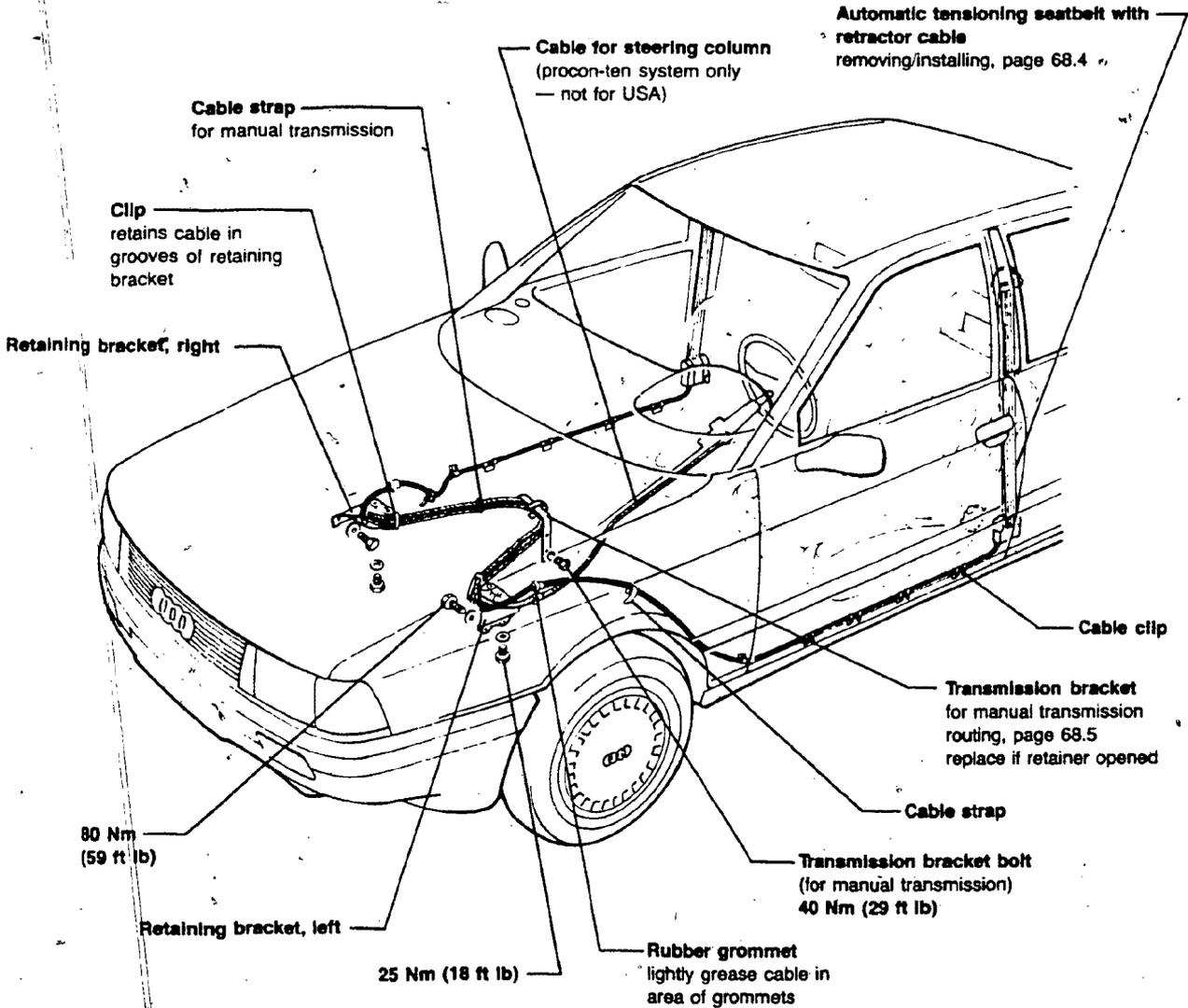
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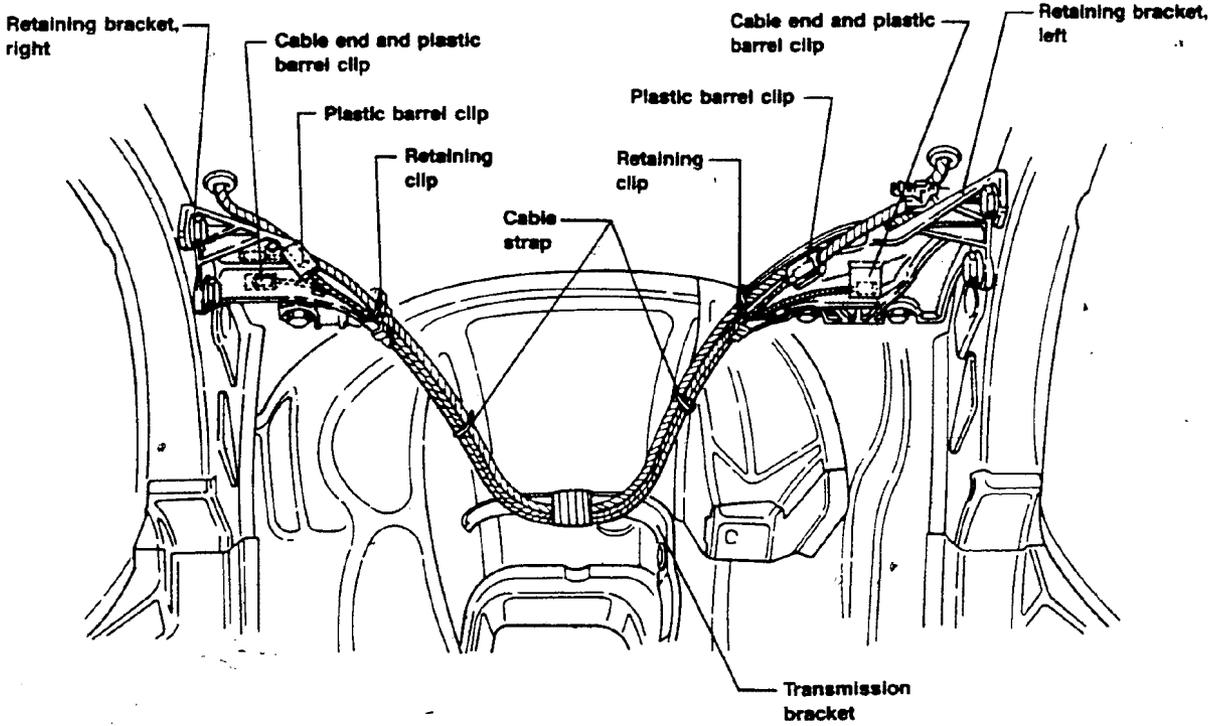
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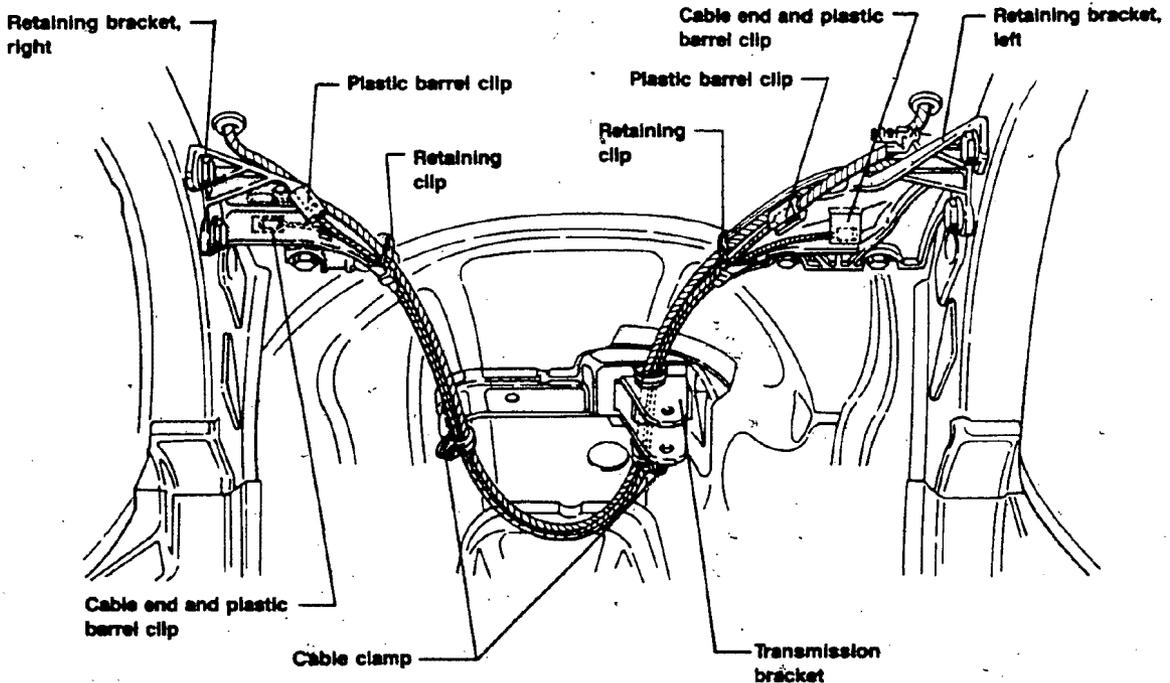
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G-2

# Body Accessories – Interior



Manual transmission



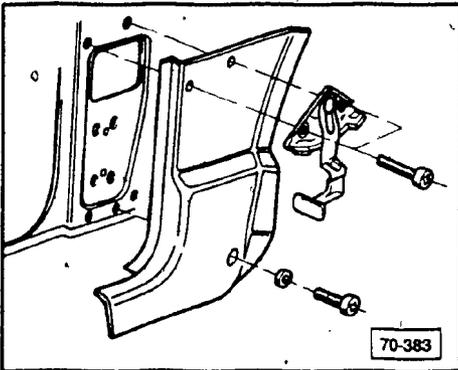
Automatic transmission

68-353

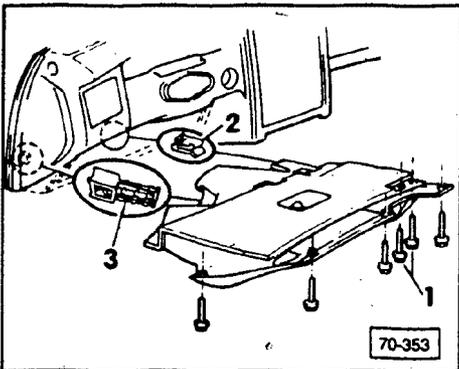
G-3

## Automatic seat belt tensoning system, removing

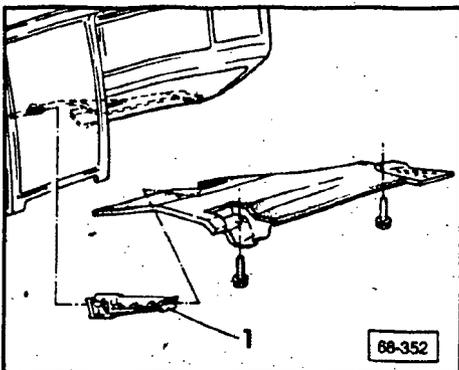
- remove sill plate inner trim and B-pillar inner trim
- unbolt seat belt and retractor from B-pillar
- pull door inner seals off flange in area of lower A-pillar



- remove lower left A-pillar trim panel and hood release lever

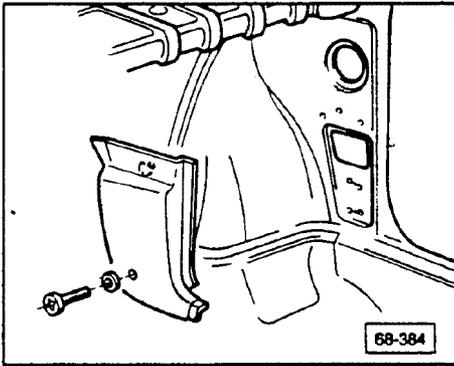


- remove shelf under instrument panel on drivers side



- remove screws and take out shelf under instrument panel on passenger side

# Body Accessories – Interior



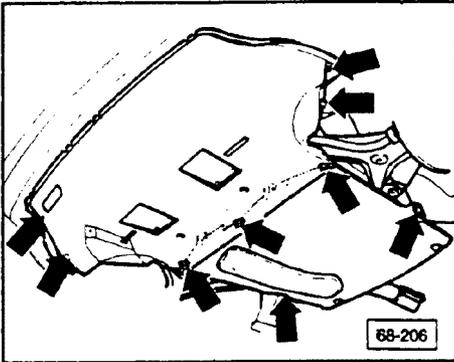
- remove lower right A-pillar trim panel

## Note

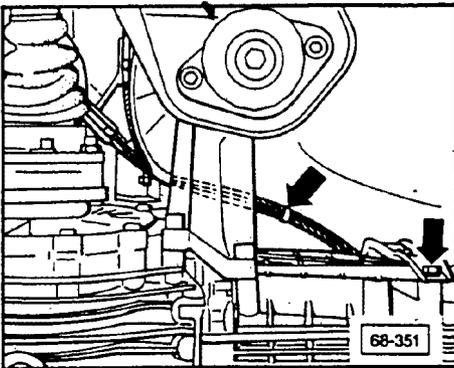
The left side tensioning cable is routed on top of the sound deadener.

The right side tensioning cable is routed under the sound deadener.

- pull carpet up and in toward center on both sides
- cut into deadener material on right side
- pull cable out of retaining clips along sill
- open cable strap at front floor



- remove shield under engine compartment

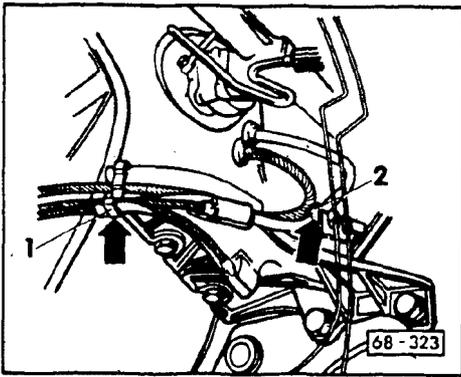


## Vehicles with manual transmission

- remove bolt holding transmission bracket on transmission (**right arrow**)
- cut through cable straps on right and left side (**left arrow**)

## Vehicles with automatic transmission

- open retaining clips on transmission bracket
- unscrew cable clamps from transmission tunnel

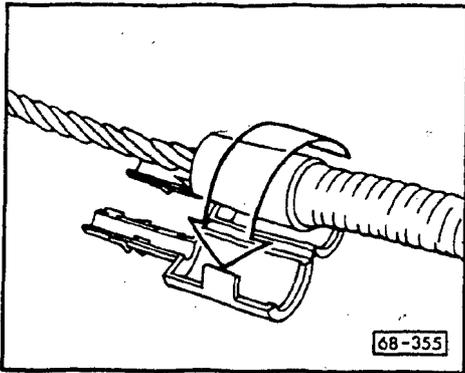


- remove cable from clip 1 on retaining brackets (left and right)
- push cable out of brake line clip 2 on retaining bracket (left and right)
- push cable end out of slot on retaining bracket (left and right)
- pull grommets out of body and pull cables through holes

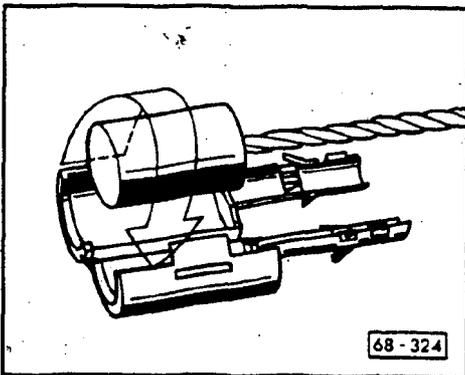
## Installing

### CAUTION

Different transmission types require different cable lengths.



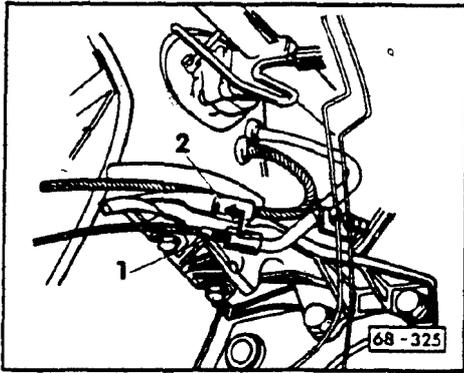
- replace plastic barrel clips for cable



- replace plastic barrel clips for cable ends

### Note

Do not use grease on plastic barrel clips, cable ends or retaining brackets.



- mount seat belt and retractor to B-pillar
- install cable into retaining clips on inner sill
- grease cable lightly in area of rubber grommet
- install cable through hole in body panel and push grommet into hole
- pull cable plastic barrel clip 1 on cable into slot 2 of retaining bracket

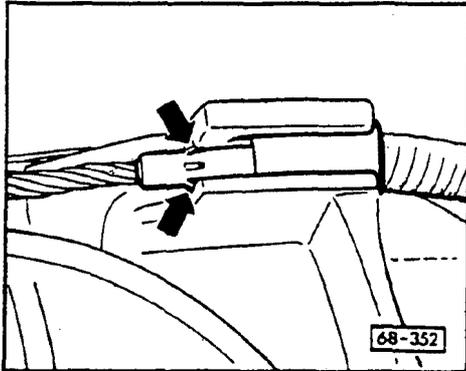
### Note

Cable plastic barrel clip is installed correctly when tabs are against retaining bracket slot. (arrows)

- guide cable around bracket to transmission

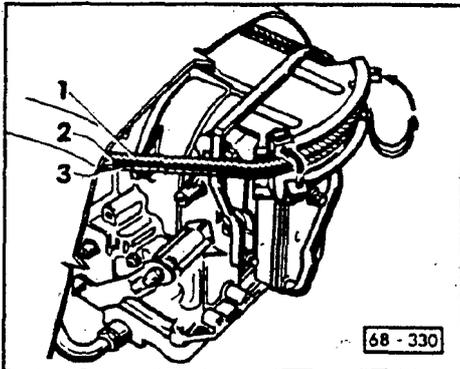
### Vehicles with manual transmission

- insert cable through transmission bracket
- bolt bracket to transmission
  - torque to 40 Nm (29 ft lb)
- install new cable straps around cables



### Vehicles with automatic transmission

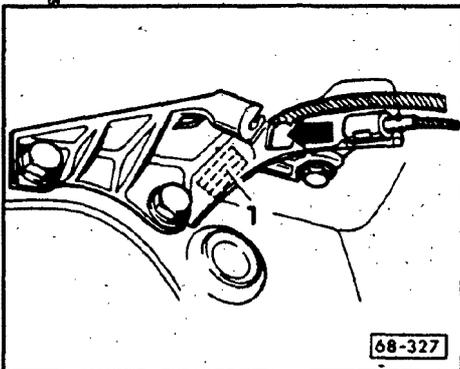
- fasten cable with clamps to transmission tunnel
- close retaining clips on transmission bracket around cable
  1. procon. cable for steering column (not used)
  - 2 cable for left belt retractor
  - 3 cable for right belt retractor

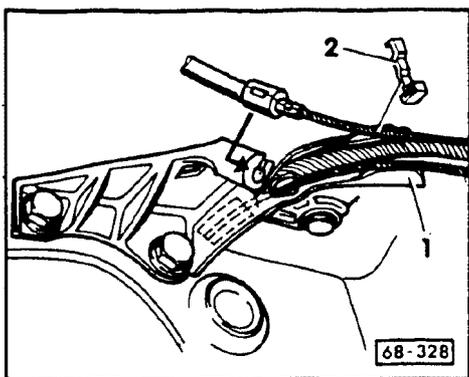


- install cable end through hole in retaining bracket (arrow) and into slot 1

### Note

Observe correct installation position of plastic barrel clip on cable end in slot. See illustration 68-325 for similar installed position.





- install cable retaining clip 2

## CAUTION

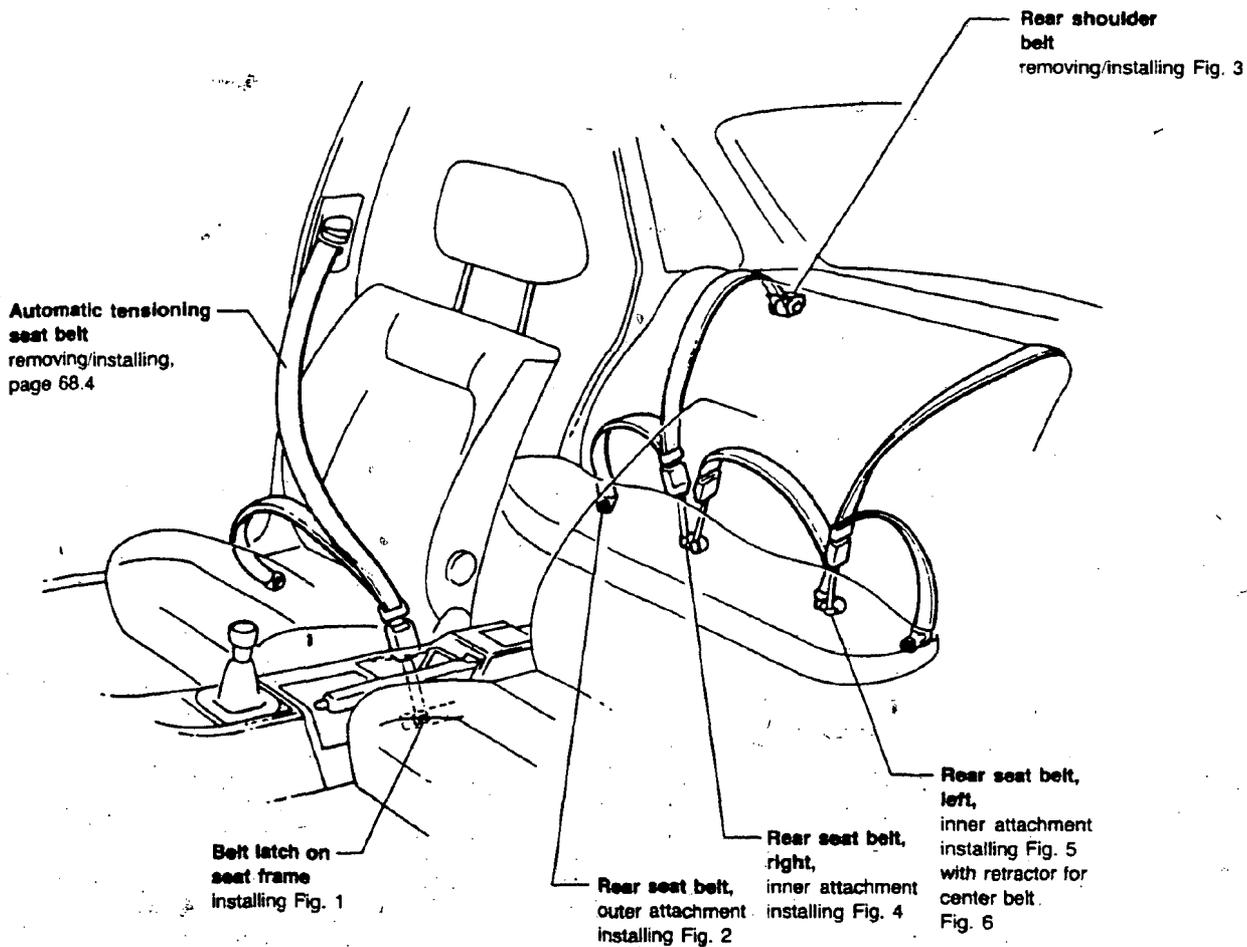
Cables must be routed at the retaining brackets so they rest in the appropriate grooves.

At the apex of the curve around the transmission bracket, the cables must have approx. 30mm  $\pm$  10mm (1 3/16  $\pm$  3/8 in.) clearance to the bracket. If not:

- plastic barrel clips are not properly installed in retaining bracket slots
- belt with wrong part number installed

**THIS FRAME INTENTIONALLY LEFT**

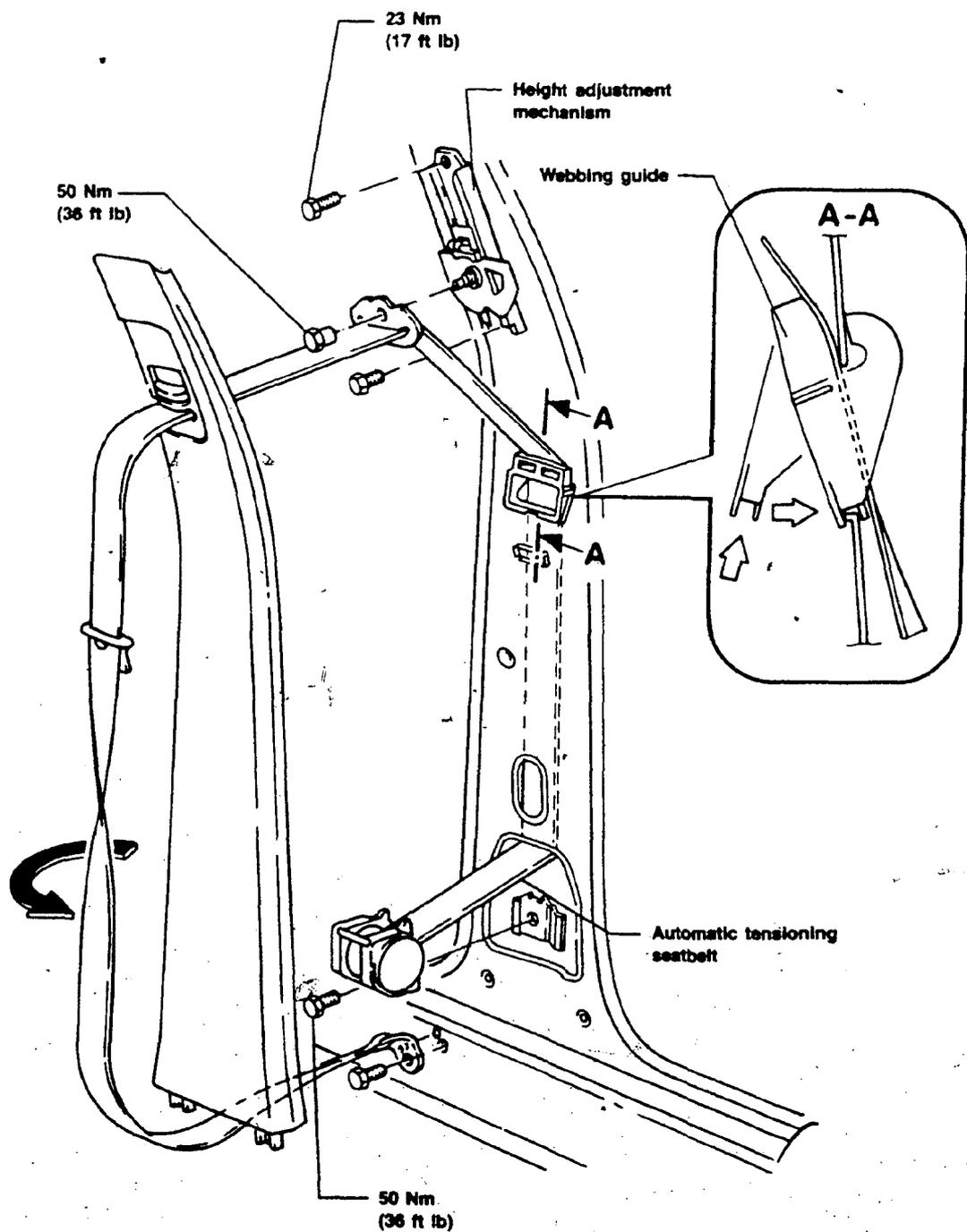
**BLANK**



68-311

G-10

# Body Accessories – Interior

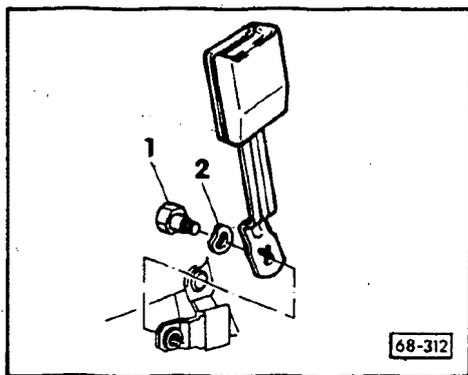


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G-11

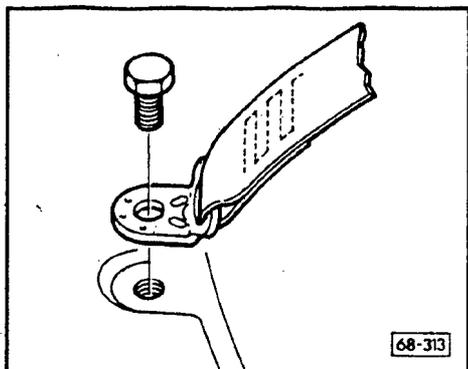
Automatic seat belt,  
B-pillar mounting

68.10



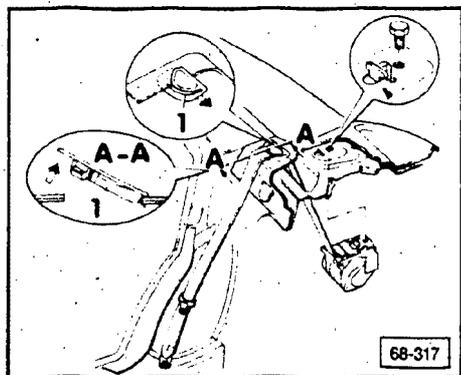
► Fig. 1 Belt latch on seat frame, installing

- 1 50 Nm (36 ft lb)
- 2 Spring washer



► Fig. 2 Rear seat belt, outer attachment, installing

- torque bolt to 50 Nm (36 ft lb)



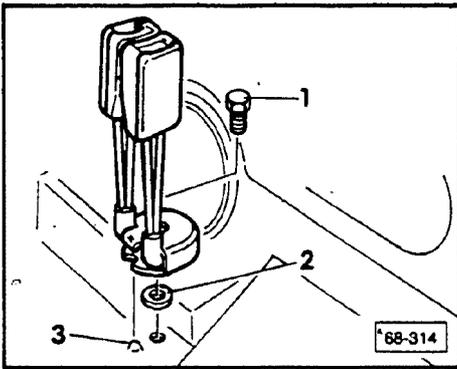
► Fig. 3 Rear shoulder belt, removing/installing

### Removing

- remove seat bench and rear seat backrest (see Repair Group 72)
- remove hatshelf, and D-pillar trim (see Repair Group 70)
- remove belt attachment at floor
- pry panel 1 out with a screwdriver and remove from belt webbing.
- remove bolt and belt/retractor

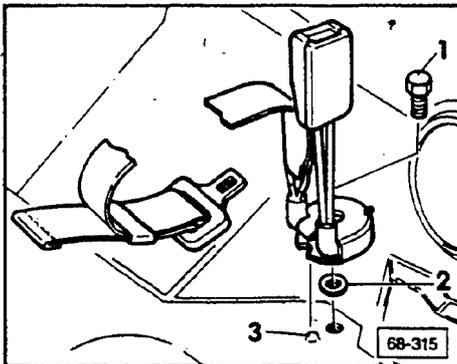
### Installing

- install in reverse order and torque bolts to 50 Nm (36 ft lb)



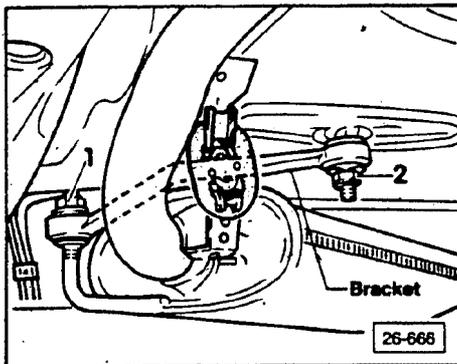
► Fig. 4 Rear seat belt, left, inner attachment, installing

- 1 50 Nm (36 ft lb)
- 2 Seal
- 3 Weld projection



► Fig. 5 Rear seat belt, left, inner attachment, installing

- 1 50 Nm (36 ft lb)
- 2 Seal
- 3 Weld projection



► Fig. 6 Rear seat belt, left, inner attachment (with retractor), removing/installing

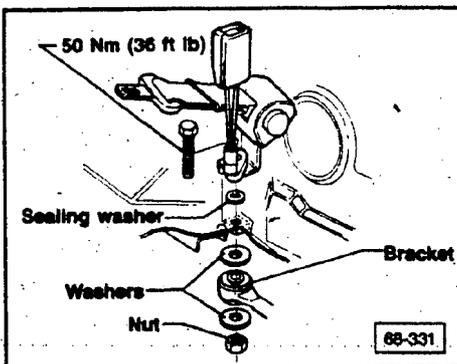
### Removing

- remove nut 2
  - must be taken off before retractor is removed
- remove retractor mounting (inside vehicle)

### Installing

► Fig. 7 Install in reverse order, noting the following:

- ensure that the correct length bolt is installed to secure retractor to mounting bracket of middle muffler
  - Part Number N 989 112 01, 50 Nm (36 ft lb)



## CAUTION

Seat belt assemblies must be replaced after being subjected to loading by occupants in collision.

## CAUTION

Do not bleach or redye seat belt webbing. Webbing that is severely faded will not meet strength requirements and must be replaced.

Belt assemblies must be installed in sets. Do not interchange buckle and retractor assemblies with those designated for other seating positions or other car models.

## Seat belt system, inspection procedure

A visual and functional inspection of seat belts is recommended to assure maximum protection for vehicle occupants.

The following inspection is described separately for front, rear and center seat belt positions. It includes all continuous loop, single retractor 3-point restraint systems, 2-point automatic (passive) front seat restraint systems, and all non-retractable belt systems.

## System inspection, front seat

### Webbing inspection

- check for twisted webbing due to improper alignment when connecting buckle
- fully extend webbing from retractor. Inspect webbing and replace with new assembly if following conditions are noted:
  - cut or damaged webbing
  - broken or pulled threads
  - cut loops at belt edge
  - color fading as a result of exposure to sun or chemical agents
  - bowed webbing

If webbing cannot be pulled out of retractor or will not retract to stowed position, check for the following conditions and clean or correct as necessary:

- dirty webbing coated with gum, syrup, grease or other foreign material
- twisted webbing
- retractor or loop on B-pillar out of position

## Cleaning

Clean the belt webbing only with a mild soap solution recommended for cleaning upholstery or carpets. Follow the instructions provided on soap container.

## Buckle Inspection

- insert tongue of seat belt into buckle until audible click is heard. Pull back on webbing quickly to assure buckle is latched properly
- replace seat belt assembly if buckle will not latch
- depress button on buckle to release belt
  - belt should release with a pressure of approximately 2 lbs.
- replace seat belt assembly if buckle cover is cracked, push button is loose or pressure required to release buckle is too high

## Retractor Inspection

Front retractors are dual sensing and will lock up in two modes. The unit will lock up as the belt is being withdrawn from the retractor if the inertia increases dramatically. Also, the unit will lock up with a change in vehicle motion such as rapid braking.

- grasp seat belt webbing and, while pulling from retractor, give belt a fast jerk

## Note

For automatic belt vehicles this mode is difficult to inspect due to a low setting of the inertia unit.

- drive vehicle in an open area away from other vehicles at a speed of approximately 5 to 15 mph and quickly apply footbrake
- if retractor does not lock up under these conditions, remove and replace seat belt assembly

## Note

A passenger can be used to test the right hand retractor. The driver alone can test both retractors simultaneously by grasping the right hand webbing, extracting approximately 26 inches from the retractor and holding the belt while braking.

## Seat belt warning light/buzzer

A light in the instrument panel displaying the words “fasten seat belts” or “fasten belts” along with an audible signal that lasts for four to eight seconds should be noticed when the ignition switch is moved to the “on” or “start” position and the driver’s belt is unlatched. If the driver’s belt is latched the buzzer should not activate.

For 2-point automatic belts, both belts must be connected to the door in order to start the vehicle. The “fasten belts” light should activate if either automatic belt is disconnected after starting.

### Note

Correct any malfunctions in this system if the customer desires.

## Anchorage Inspection

Seat belt mounting bolts are installed at 35.3 Nm to 47.0 Nm (20 to 35 ft lb). Retractors must be securely anchored in place. The bolts at the lower belt anchor point (not the retractor) and upper seat belt loop must be tight and still allow the hardware to swivel. Anchorage areas must be sound and uncorroded.

### Note

Reinforce bolt mounting area if necessary.

## System inspection, rear seat

### Webbing/buckle Inspection

same as for front seat

### Retractor Inspection

Rear seat retractors lock automatically when the webbing is extended and allowed to feed back into the retractor.

- check retractor by extending webbing and fastening to buckle. Allow several inches to feed back into retractor and then jerk belt sharply
- if retractor does not lock up, remove and replace seat belt assembly

## Lap and shoulder belts (rear seat)

The 3-point system for the rear seat is the same as for front seat except for the light and buzzer warning system.

## Anchorage inspection

same as for front seat

## Center seat position (and non-retractable belts)

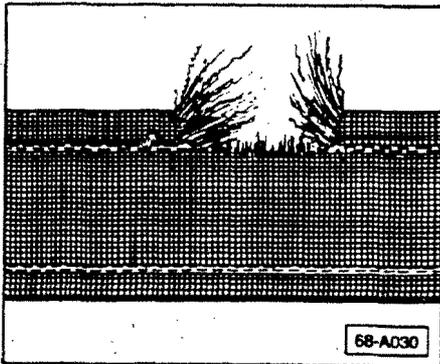
Some models have a rear center seat belt. These belts do not have a retractor. In addition to checking the webbing and anchorages, the adjustable slide locking of the belt must be checked.

- fasten tongue to buckle and adjust by pulling webbing end at right angle to connector and buckle
- release webbing and pull upward on connector and buckle
- If slide lock does not hold, remove and replace seat belt assembly

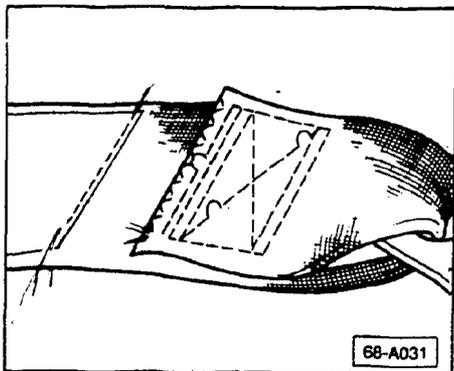
## Center seat position (retractable belts)

same as for rear seat retractor inspection

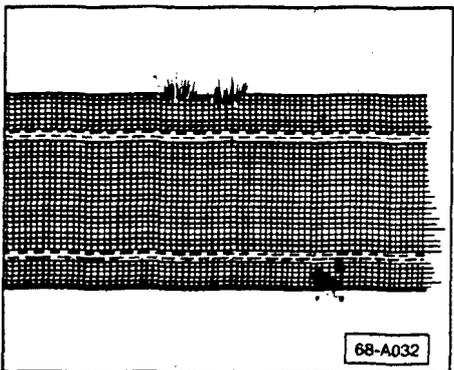
## Webbing defects, examples



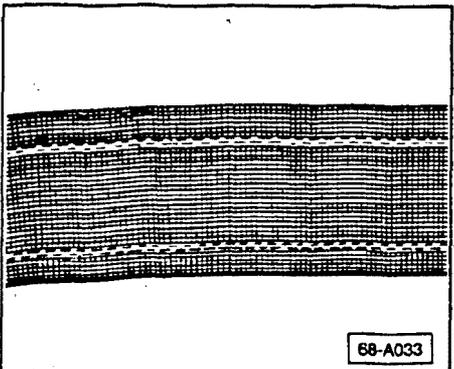
► Fig. 1 Cut or damaged webbing



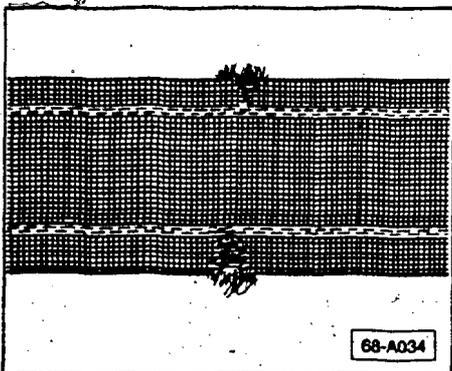
► Fig. 2 Broken or pulled threads



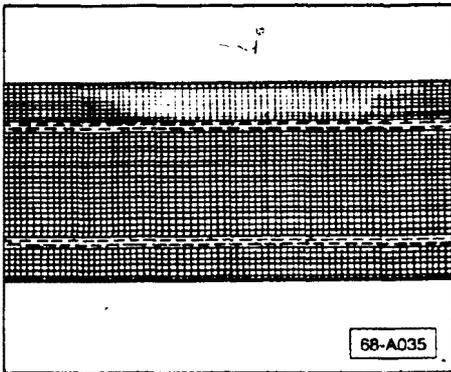
► Fig. 3 Cut loops at belt edge



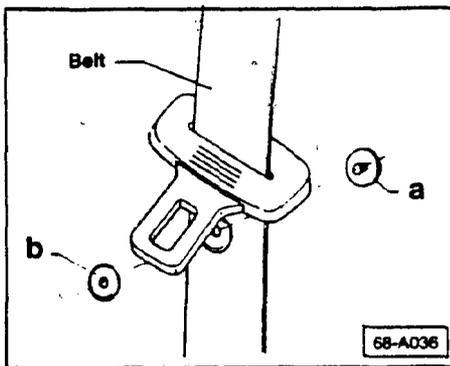
► Fig. 4 Bowed webbing



► Fig. 5 Cut loops at belt edge  
■ from being caught in door



► Fig. 6 Color fading

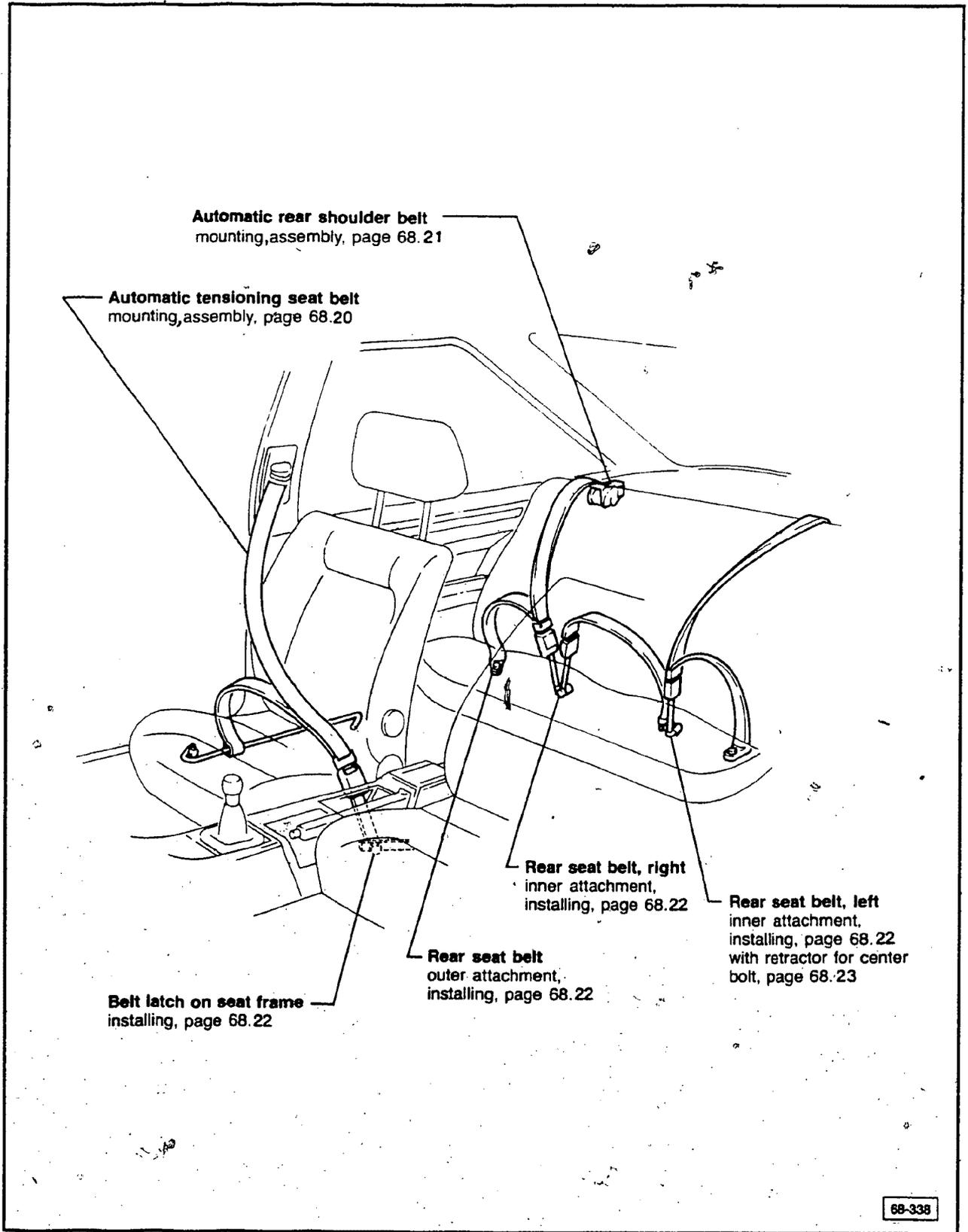


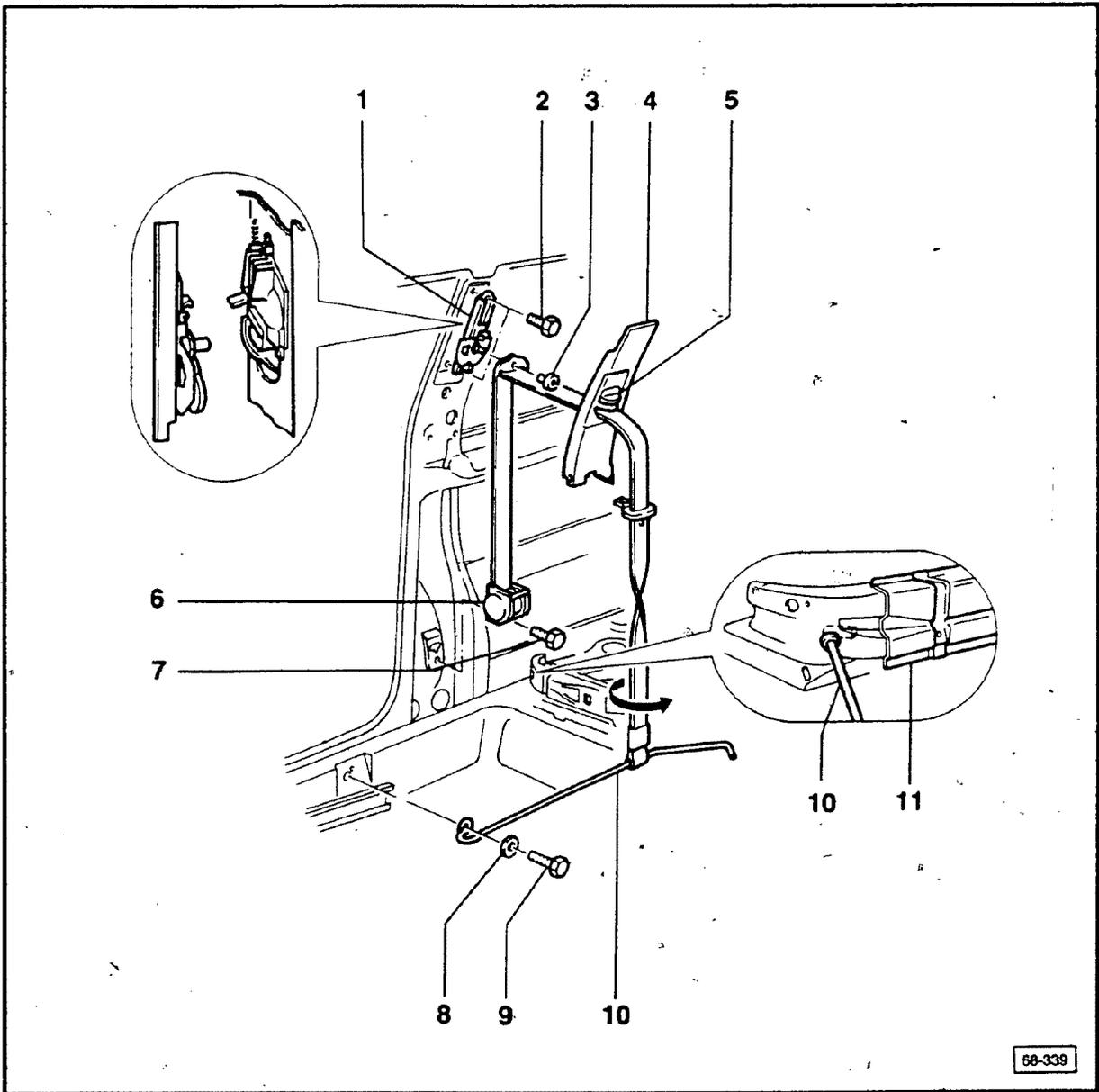
## Seat belt stop button, replacing (front belt illustrated)

### Note

Check seat belt for damage and proper function before installing stop button.

- remove all traces (residue) of old button
- warm replacement button A and eyelet B with hot air gun to 25° – 40°C (77° – 104°F)
- press button through webbing
  - hole may be prepunched with pencil or similar tool
- clip on eyelet with flat nose pliers or similar tool





68-339

1 — Height adjustment mechanism  
must lock audibly in topmost position  
button must always return  
to topmost position after use

2 — 23 Nm (17 ft lb)

3 — 23 Nm (17 ft lb)

4 — B-pillar trim

5 — Height adjustment button

6 — Automatic tensioning seatbelt  
ensure nothing  
jams in mechanism

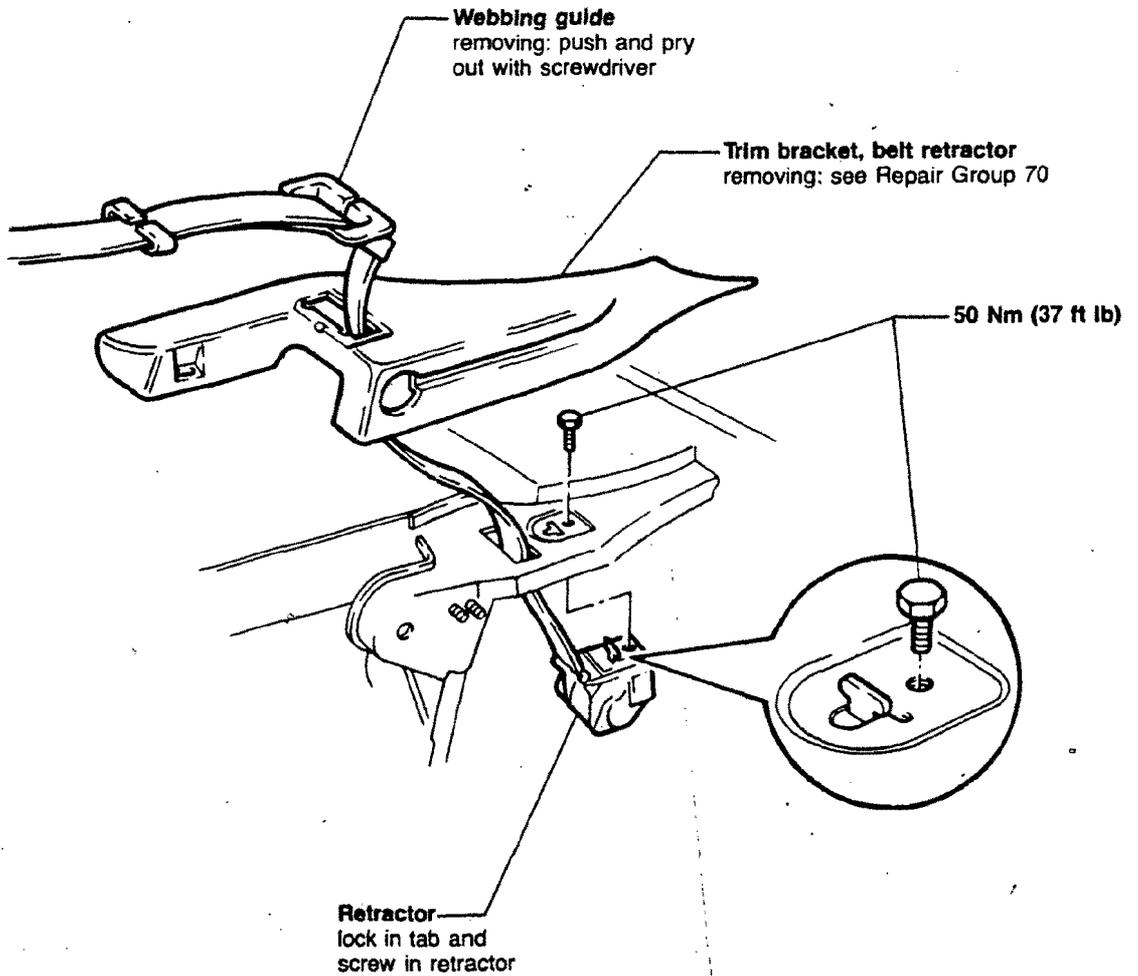
7 — 50 Nm (37 ft lb)

8 — Washer

9 — 50 Nm (37 ft lb)

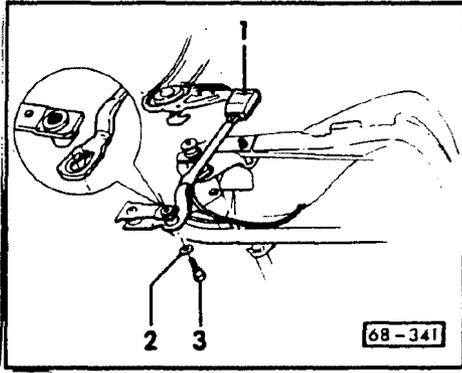
10 — Seat belt guide rail

11 — Floor assembly



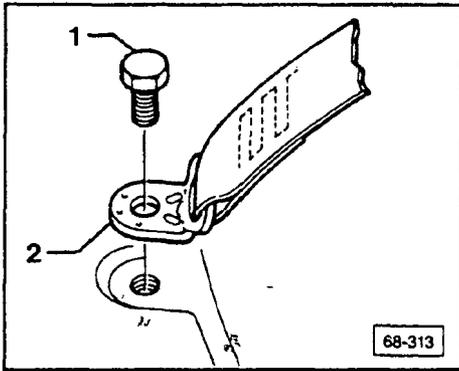
68-340

**Coupe**



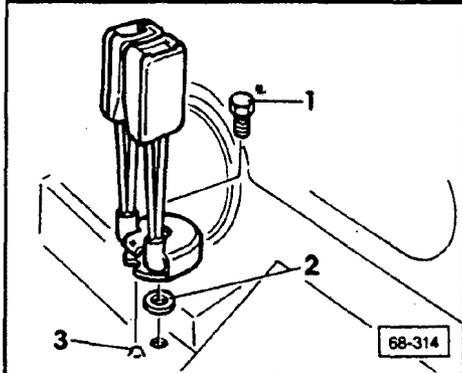
► Fig. 1 Belt latch on seat frame, installing

- 1 — belt lock
- 2 — spring washer
- 3 — 60 Nm (44 ft lb)



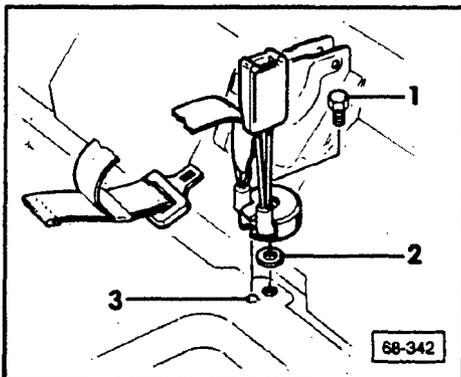
► Fig. 2 Rear seat belt, outer attachment, installing

- 1 — 50 Nm (37 ft lb)
- 2 — mounting bracket
  - must fit into cutout in floor assembly (arrow)



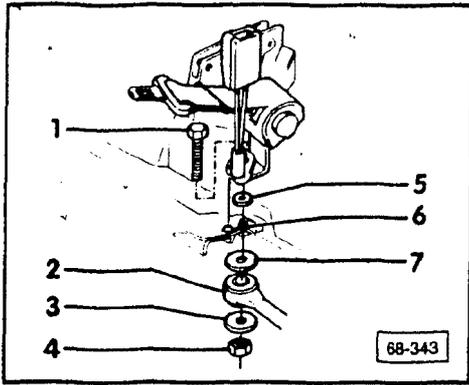
► Fig. 3 Rear seat belt, right inner attachment, installing

- 1 — 50 Nm (37 ft lb)
- 2 — seal
- 3 — weld projection



► Fig. 4 Rear seat belt, left, inner attachment, installing

- 1 — 50 Nm (37 ft lb)
- 2 — seal
- 3 — weld projection



► Fig. 5 Rear seat belt, left, inner attachment (with retractor), removing

- 1 — hex head bolt
  - 50 Nm (37 ft lb)
- 2 — anchorage rod
- 3 — washer
- 4 — hex nut
  - 40 Nm (29 ft lb)
- 5 — seal
- 6 — weld projection
- 7 — washer

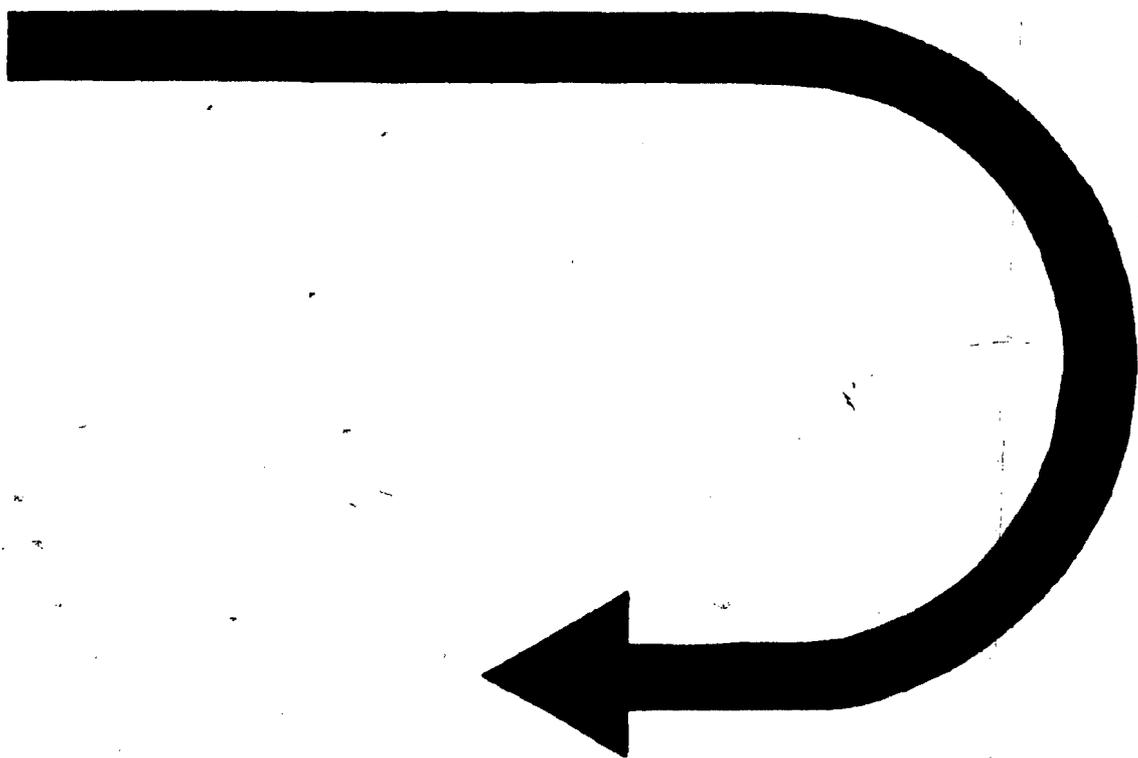
- remove nut 4
  - must be removed before retractor is removed
- loosen bolt 1
- remove retractor mounting (inside vehicle)

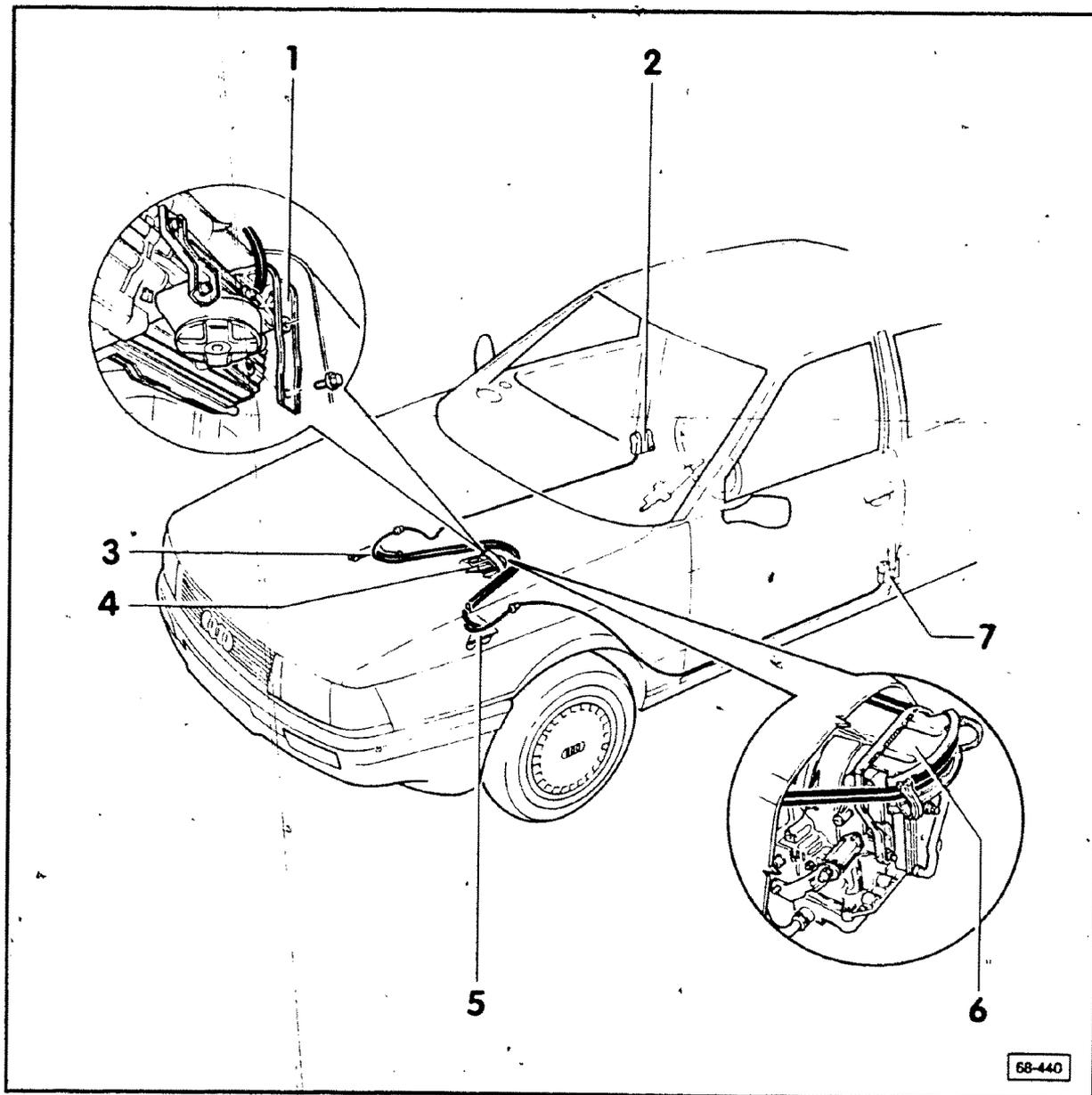
### Rear seat belt, left, inner attachment (with retractor), installing

Install all components in reverse order, noting the following:

- torque bolt 1 to 50 Nm (37 ft lb)
- torque hex nut 4 to 40 Nm (29 ft lb)

CONTINUED IN THE  
BEGINNING OF NEXT ROW





- 1 — Cable bracket  
attached to cable guide bracket
- 2 — Automatic seat belt with  
retractor cable, right
- 3 — Retaining bracket, right
- 4 — Cable guide bracket  
on end of transmission, also 7
- 5 — Retaining bracket, left
- 6 — Cable guide bracket, also 7
- 7 — Automatic seat belt with  
retractor cable, left

## Automatic seat belt tensioning, checking

### Note

After an accident, if only one portion of system operates, both cables, retaining brackets, retainer clips, and the plastic barrel clips **must be** replaced.

### Seat belt will not move or retract

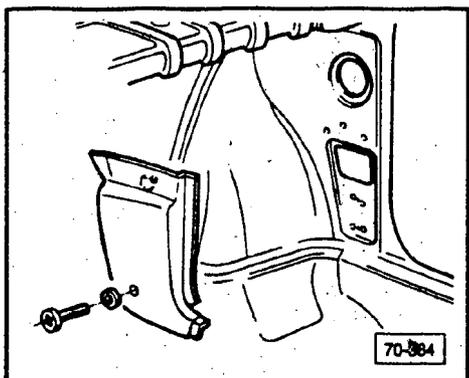
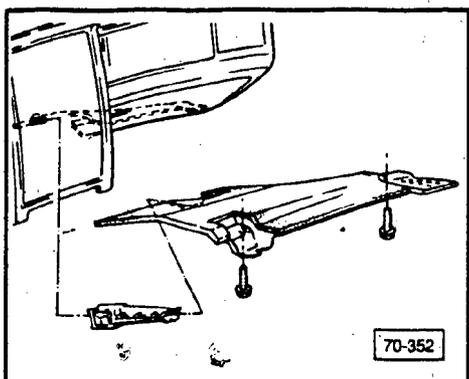
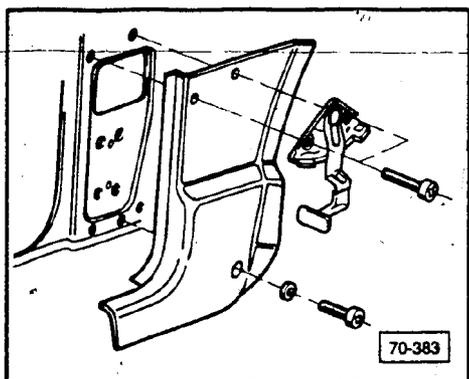
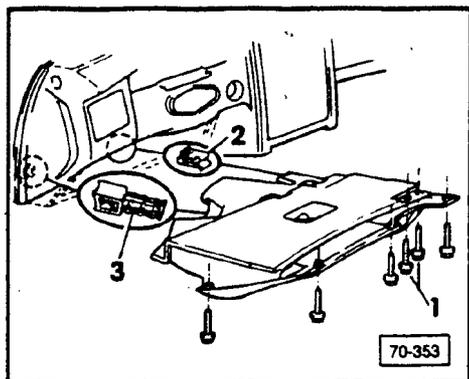
If the seat belt cannot be pulled out or does not roll up automatically, the automatic seat belt tensioning system has been activated.

### Note

Seat belt and retractor cables are supplied as one unit.

Individual components may be replaced if defective and the automatic seat belt tensioning system has not been activated.

## Automatic seat belt tensing system, removing

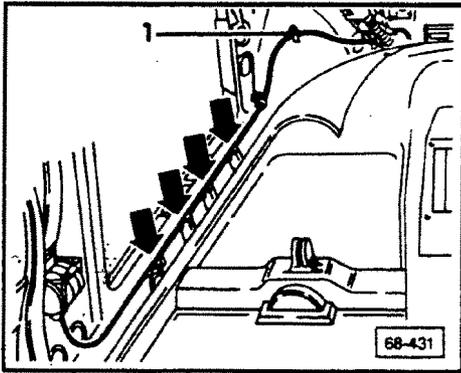


### Driver's side

- remove sill plate inner trim, and rear side panel
- unbolt seat belt and retractor from B-pillar
- remove shelf from under instrument panel on driver's side
- pull door inner seal off flange in area of lower A-pillar
- remove lower left A-pillar trim panel and hood release lever
  - lower screw is countersunk into trim

### Passenger side

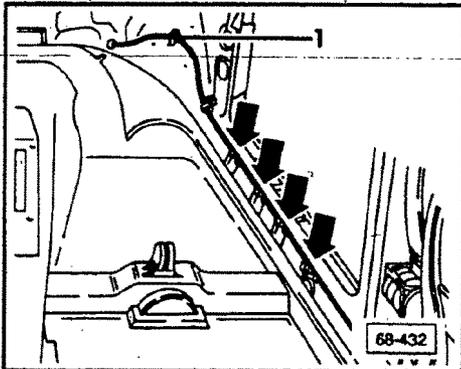
- remove screws and take out shelf under instrument panel on passenger side
- pull door inner seal off flange in area of lower A-pillar
- remove lower right A-pillar trim panel
  - lower screw is countersunk
- pull carpet up and in toward center on both sides
- cut into deadener material at area of bowden cable



## Note

The left side bowden cable is routed on top of the sound deadener.

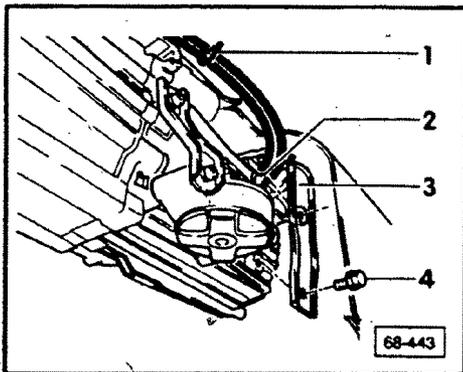
- pull bowden cable out of retaining clips (arrows) along sill
- cut off tie wrap 1



## Note

The right side bowden cable is routed under the sound deadener.

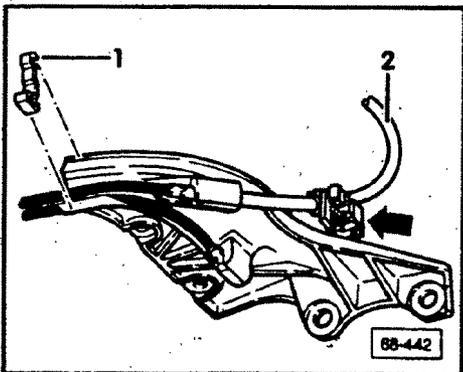
- pull bowden cable out of retaining clips (arrows) along sill
- cut off tie wrap 1



- unscrew bolts 4, and remove cable bracket 3 from retainer 2
  - cut off tie wraps 1 on both sides

## Note

In production the automatic seat belt tensioning cables are held to the cable bracket with adhesive tape. When repairing belt system, the adhesive tape must be removed.



- remove cable from clip 1 on retaining brackets
  - when removing left side tensioning cable, push out bowden cable 2 from brake clip (arrow) on left bracket
- unhook tensioning cable from retaining brackets
  - frozen bowden cable sleeves or tensioning cable ends may be driven out with a punch

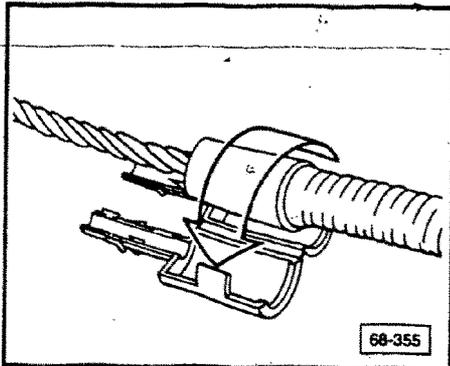
## Note

Plastic barrel clips on bowden cable and retractor cable ends must always be replaced.

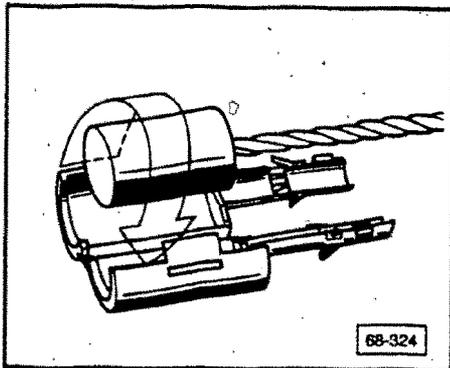
Retaining clips for cables on retaining brackets must always be replaced.

- push out rubber grommet in front panel
- pull bowden cable through hole in front panel

## Automatic seat belt tensoning system, installing



- install new plastic barrel clip on end of bowden cable



- install new plastic barrel clip on retractor cable ends

## CAUTION

Do not apply grease to plastic barrel clips, retaining brackets, cable ends or cable mounting grooves in retaining brackets.

## Note

If both retractor cables are being replaced, install left cable first.

- mount automatic seat belt and retractor to B-pillar
- lightly lubricate bowden cable in area of grommet
- press grommet into hole on cowl
  - ensure grommet is properly fitted into front panel to prevent leaks