



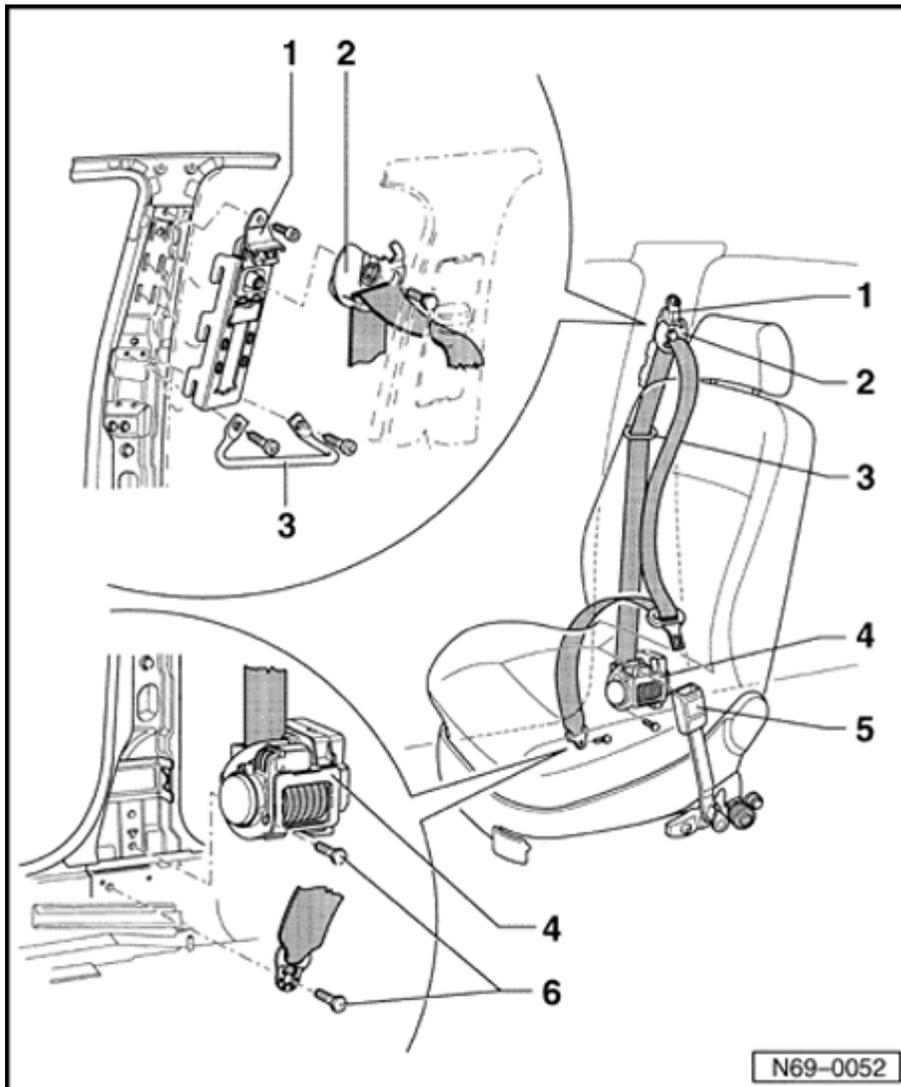
## Seat belts

### Safety requirements for belt tensioner

- ◆ Testing, assembly and repair work should only be conducted by trained personnel.
- ◆ Belt tensioner components should not be opened nor repaired; always use new parts (risk of injury).
- ◆ Belt tensioner units which take a hard fall or drop to the floor, must not be installed into the vehicle.
- ◆ Belt tensioner units, which are mechanically damaged (bubbles, tears) must always be replaced.
- ◆ Storage and transport fall under the laws governing explosive materials.
- ◆ Return old (removed) components which have not been ignited to Volkswagen of America for disposal.
- ◆ Install belt tensioner units immediately after removing from transport container.



- ◆ For disassembly of belt tensioner do not use impact wrench.
- ◆ If work is interrupted place belt tensioner unit into transport container again.
- ◆ Do not leave a un-installed belt tensioner unattended.
- ◆ Belt tensioner unit should not be handled with grease, cleaners or other solutions and do not expose to temperatures over 100 ° C even briefly.
- ◆ The pyrotechnic propellant has no expiration date, this means it can be stored indefinitely and is maintenance free.



N69-0052

## Front seat belts with belt tensioners, assembly overview ➤ 09.00

### **CAUTION!**

***Before starting any body disassembly, straightening or any other body repair work, the belt tensioner units must be removed.***

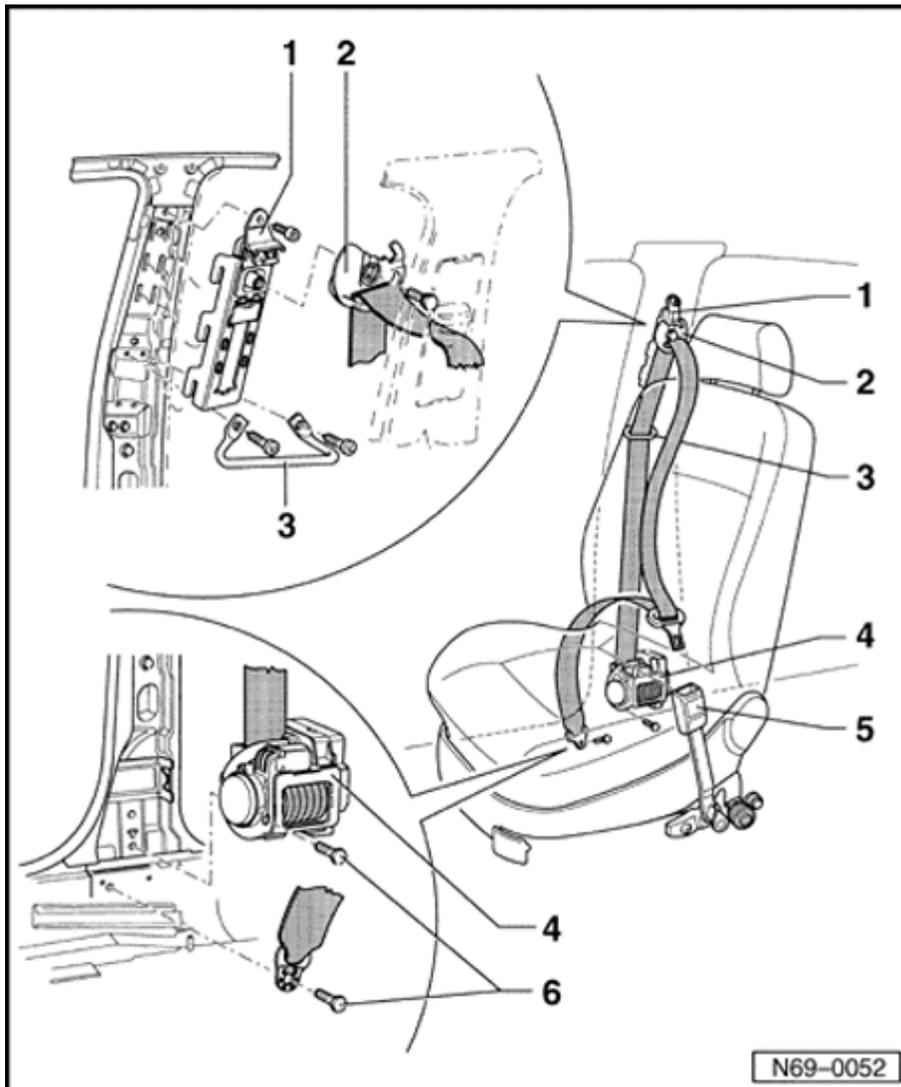
#### **1 - Belt height adjustment**

- ◆ To remove the height adjustment, remove B-pillar trim beforehand

#### **2 - D-ring**

#### **3 - Belt guide**

- ◆ Fastened with 2 Phillips-head screws
- ◆ Tightening torque: 1.5 Nm



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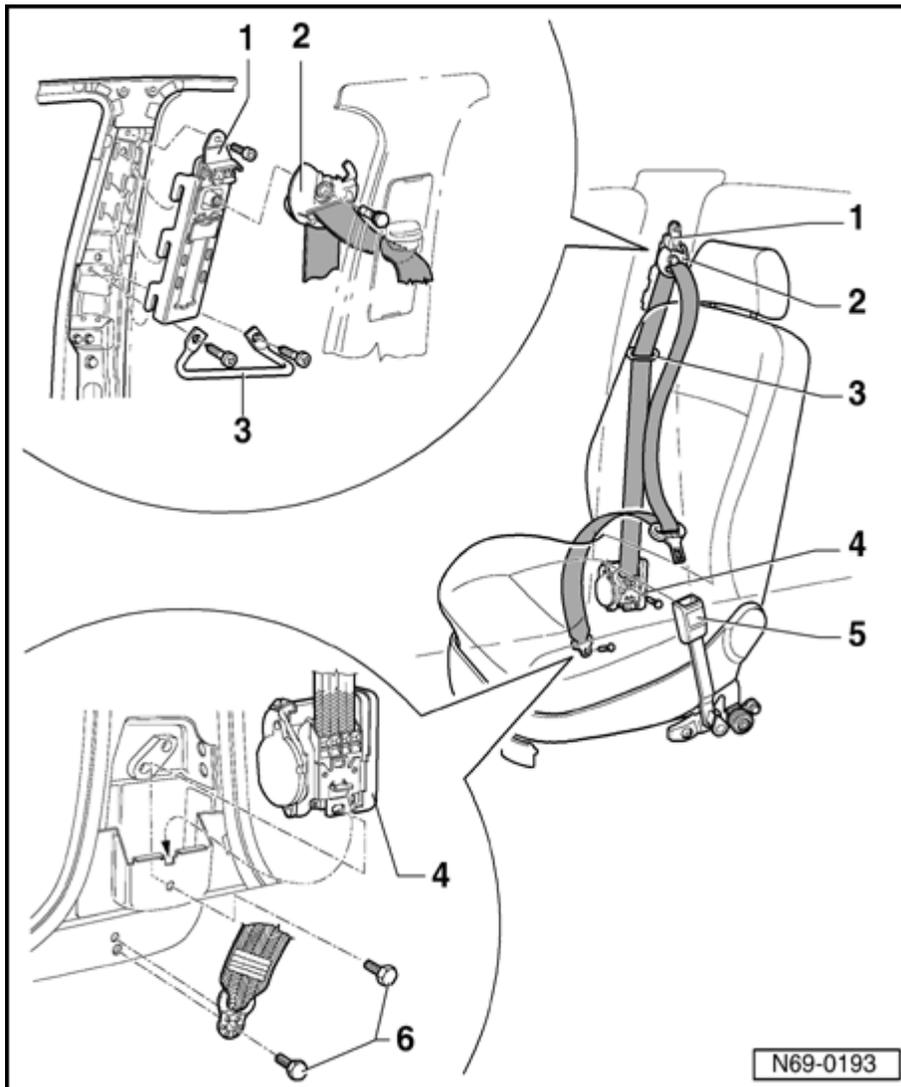
#### 4 - Seat belt with belt tensioner

- ◆ To remove, take out lower B-pillar trim beforehand and remove sill panel ⇒ [page 70-39](#) and ⇒ [page 68-31](#)
- ◆ Retaining tab determines the position of belt retractor
- ◆ By loosening the belt retractor bolt - 6 - belt tensioner is secured, and in reverse it is functional again

#### 5 - Buckle front

#### 6 - Hex head bolt

- ◆ 40 Nm



## Front seat belt with belt tensioner, assembly overview 10.00 ➤

### **CAUTION!**

***Before starting any body disassembly, straightening or any other body repair work, the belt tensioner units must be removed.***

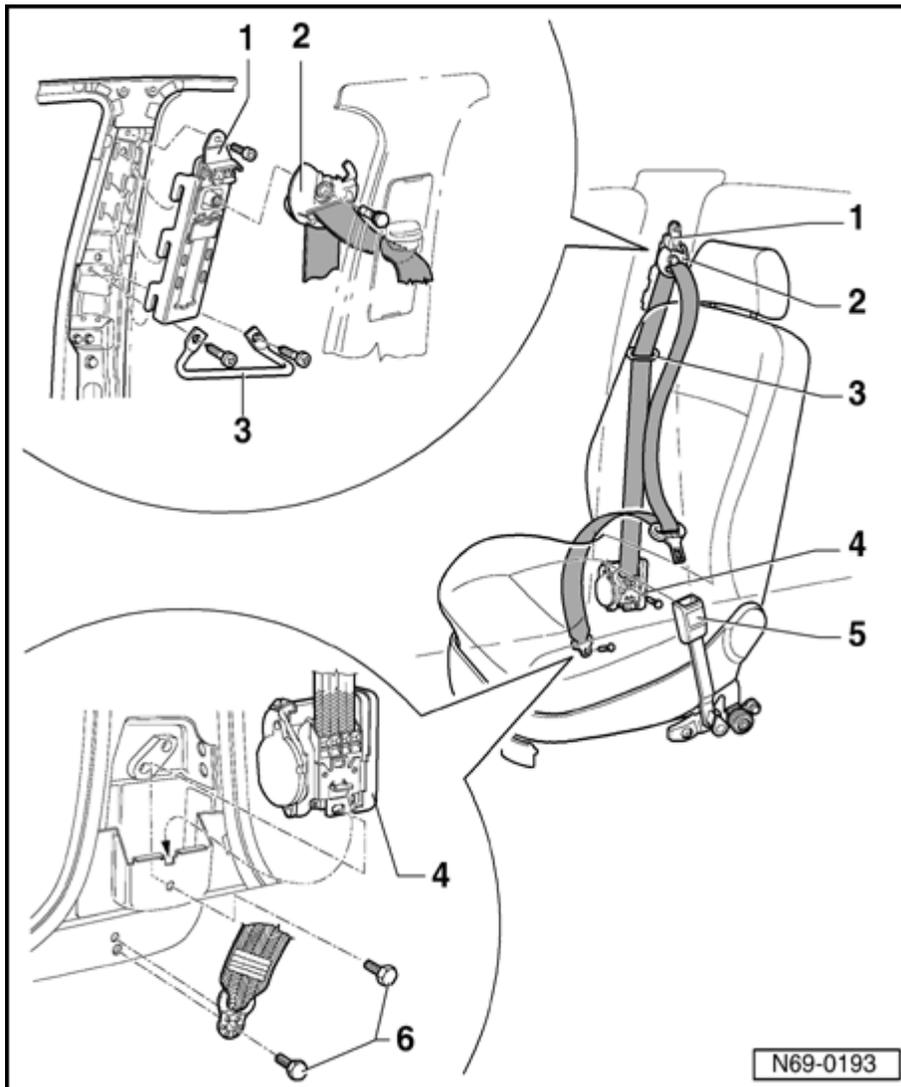
#### **1 - Belt height adjustment**

- ◆ To remove height adjustment remove B-pillar trim beforehand

#### **2 - D-ring**

#### **3 - Belt guide**

- ◆ Secured with 2 Phillips-head screws
- ◆ Tightening torque: 1.5 Nm



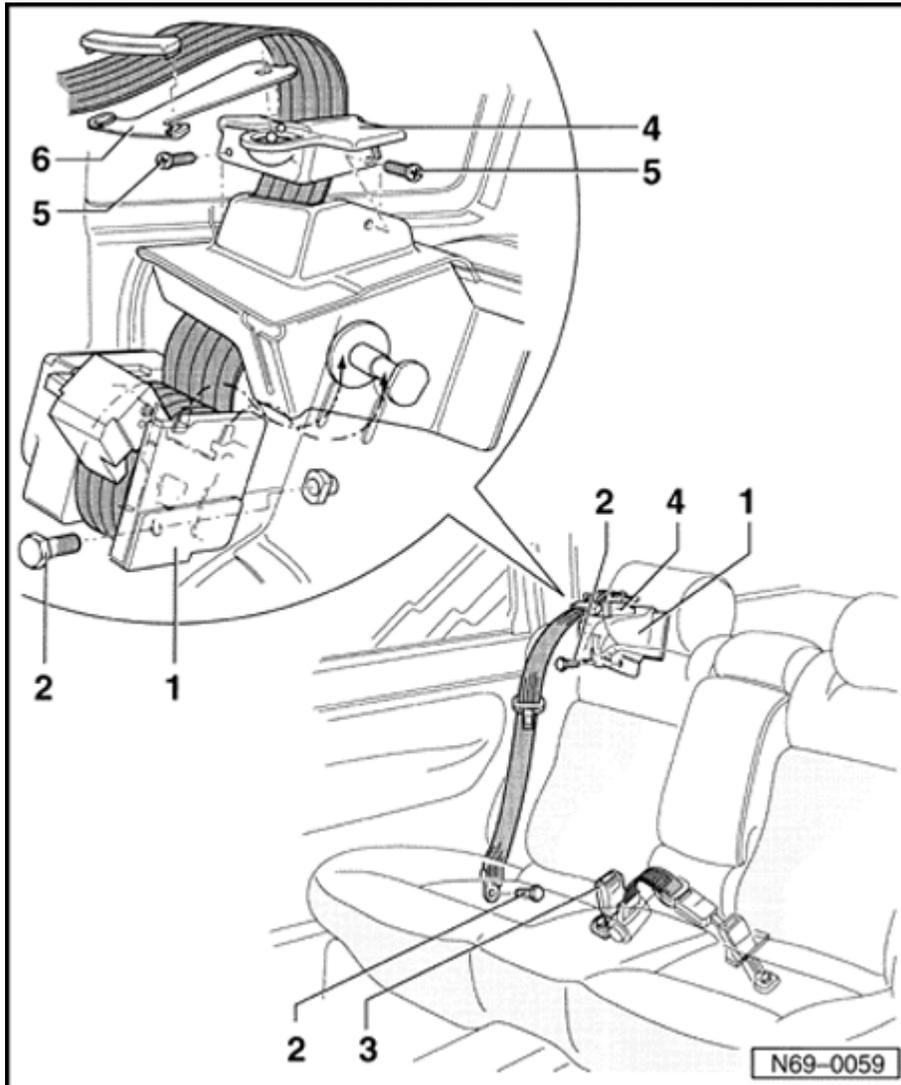
#### 4 - Seat belt with belt tensioner

- ◆ To remove, take out lower B-pillar trim beforehand and remove sill panel trim ⇒ [page 70-39](#) and ⇒ [page 68-31](#) .
- ◆ Retaining tab determines position of belt retractor
- ◆ Loosening the belt reel bolt - 6 - secures belt tensioner safe and the opposite returns belt tensioner to a functional condition

#### 5 - Buckle front

#### 6 - Hex head bolt

- ◆ 40 Nm



## Rear seat belts with belt tensioner, assembly overview

### **CAUTION!**

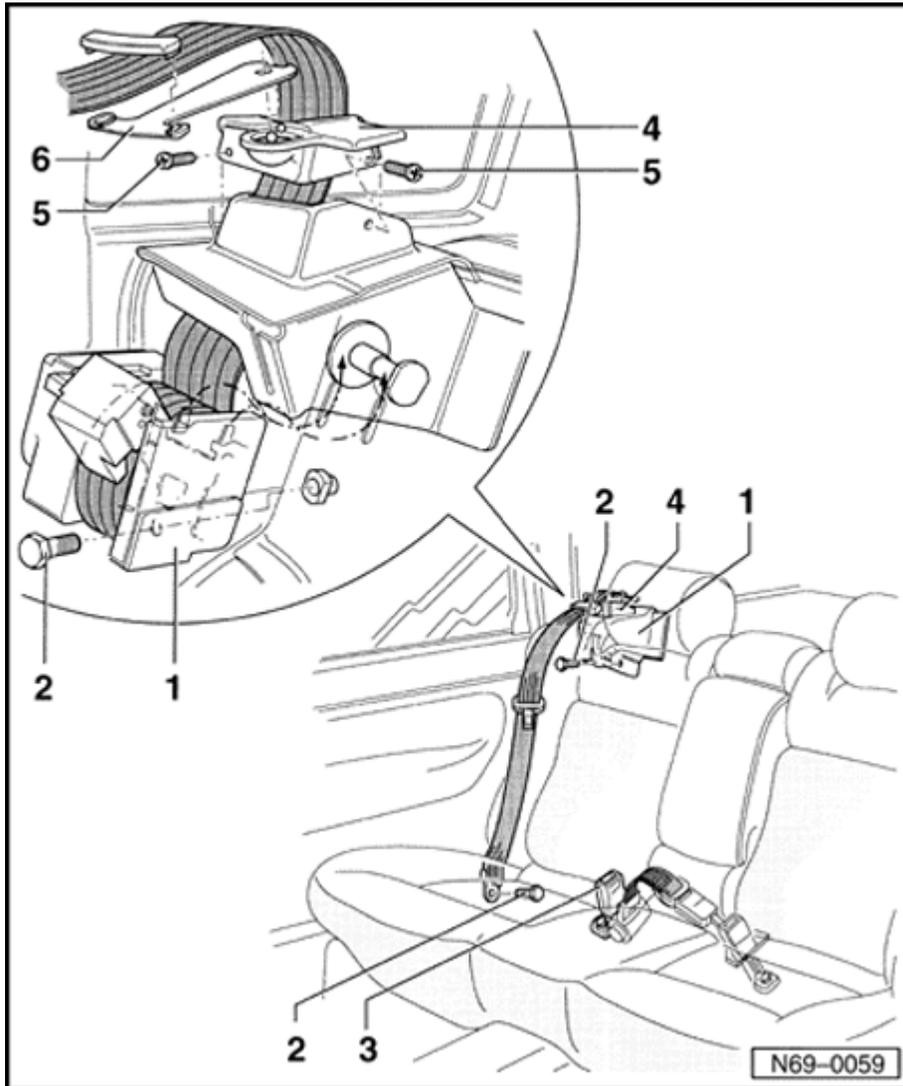
**Before starting any body disassembly, straightening or any other body repair work, the belt tensioner units must be removed.**

#### 1 - Seat belt with belt tensioner

- ◆ Retaining tabs determines the position of belt retractor
- ◆ Removing ⇒ [page 69-9](#)
- ◆ Return old (removed) components which have not been ignited to Volkswagen of America for disposal

#### 2 - Hex head bolt

- ◆ 40 Nm



3 - Belt latch

4 - Belt guide

5 - Phillips-head screw

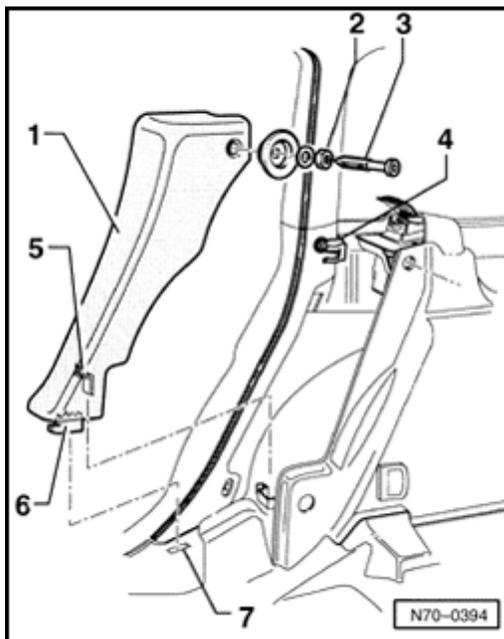
◆ 1.5 Nm

6 - Belt guide



## Removing rear seatbelt with belt tensioner

- Unlock seatback for rear seat bench and fold forward.



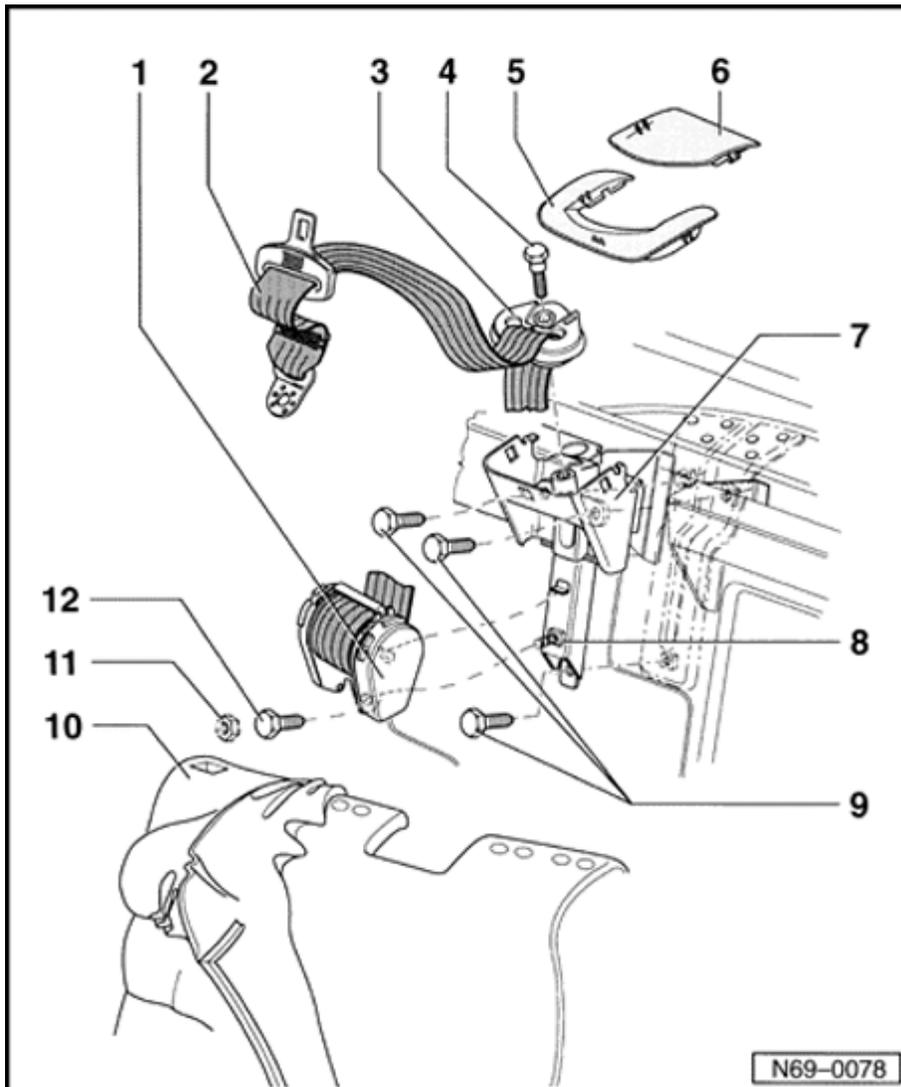
A

- Loosen hex nut -2- and unscrew lock bolt -3-.
- Pull cushion -1- in upper area out of clip -4-, press lower tab -6- to the back from sill plate -7- and remove with tab -5- upward.



A

- Unscrew bolt -1- (hereby belt tensioner secured).
- Unhook seatbelt with belt tensioner (arrows).
- Opening belt guide ⇒ [page 69-8](#) , item - 4 -.
- Unscrew belt strap -2- and remove from console.



## Rear center seatbelt, assembly overview

### 1 - Belt retractor

◆ Removing ⇒ [page 69-12](#)

### 2 - Belt

### 3 - Belt guide

### 4 - Hex head bolt

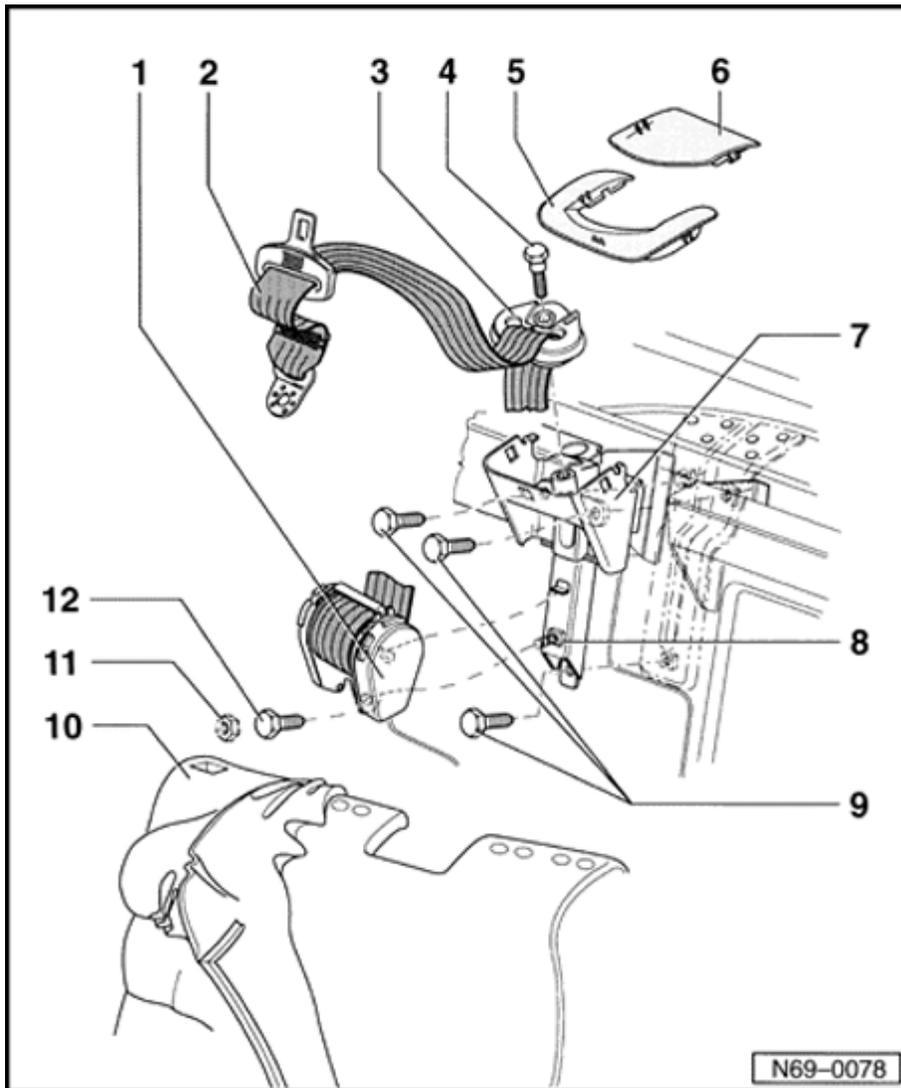
◆ 40 Nm

### 5 - Belt guide

### 6 - Cover cap

### 7 - Support for seatbelt

◆ Bolted only with rigid seatback version, for all other versions the support is welded to seat frame



### 8 - Threaded plate

- ◆ only for rigid seatback, for all other versions there are thread bolts

### 9 - Hex head bolts

- ◆ Only for rigid seatback
- ◆ 40 Nm

### 10 - Cushion

### 11 - Hex nut

- ◆ not for rigid seatback

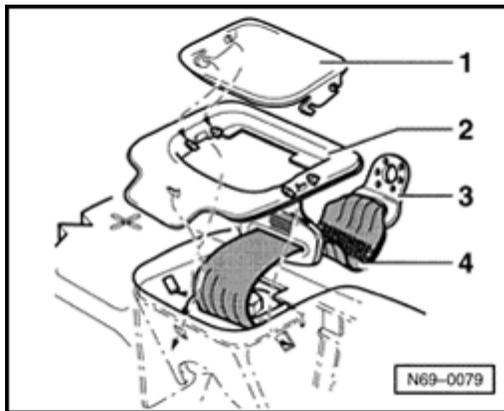
### 12 - Hex head bolt

- ◆ Only for rigid seatback
- ◆ 40 Nm



## Seatbelt retractor, removing

- Remove seat backrest ⇒ [page 72-24](#) .



A

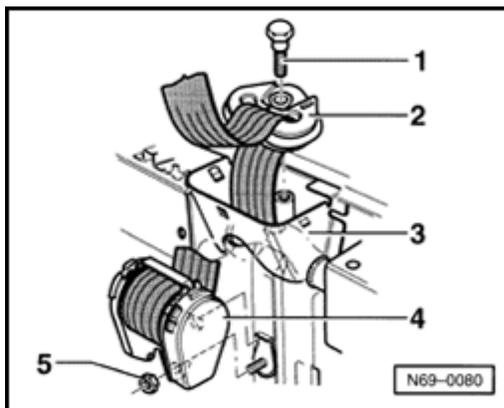
- Pry cover cap -1- from belt guide -2-.

- Unscrew belt strap -3- from attachment point.

- Unclip belt guide -2- and remove from belt -4-.

- Remove headrest guides ⇒ [page 72-34](#) .

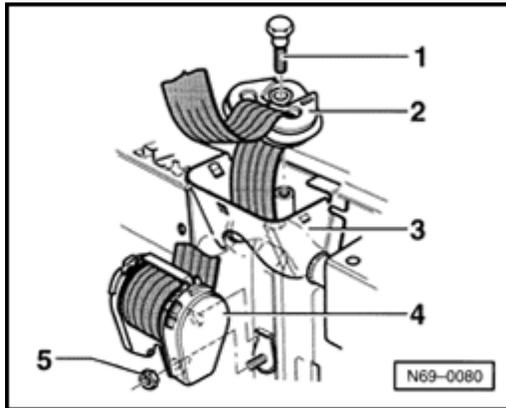
- Loosen cover and cushion for seat bench back ⇒ [page 74-13](#) .



A

- Unscrew hex head bolt -1- (40 Nm) and remove belt guide -2- from support -3-.

- Unscrew hex nut -5- (or hex head bolt on rigid seatback) (40 Nm) and unhook belt retractor -4- from support -3-.

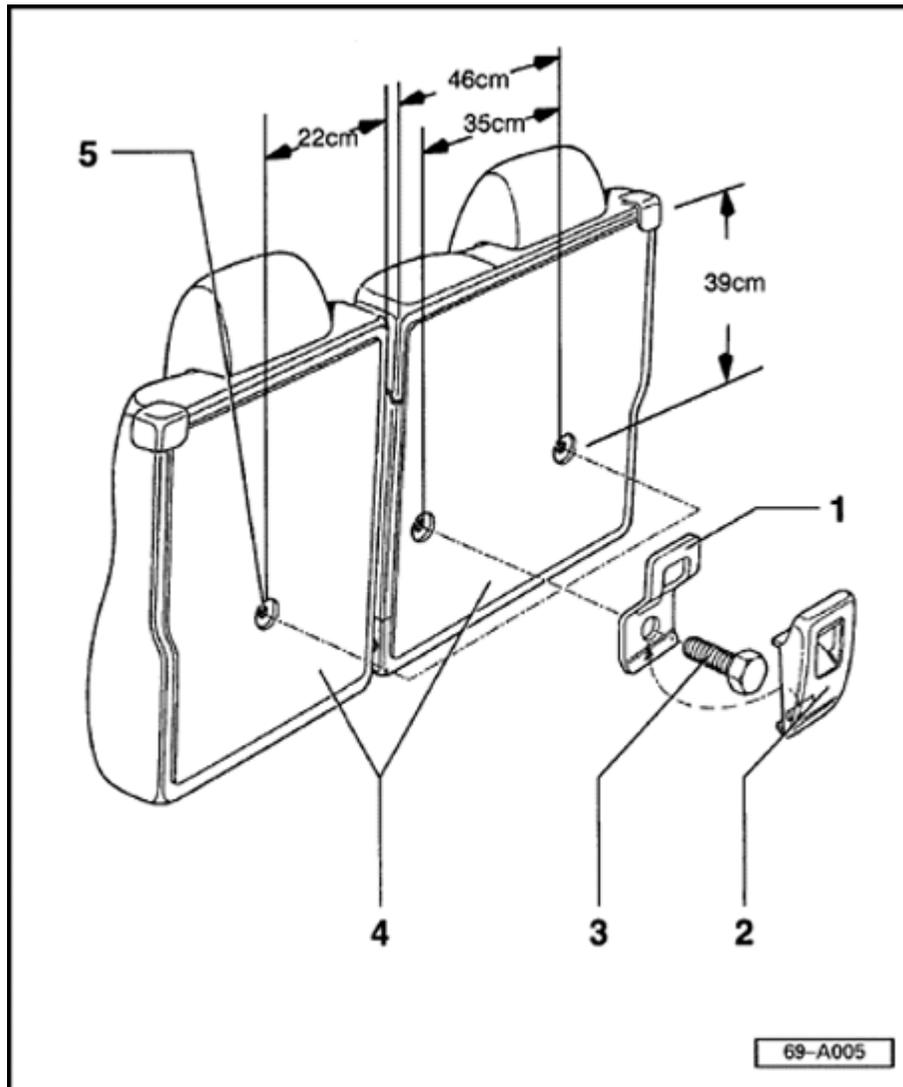


A

- Remove belt with belt guide from support -3- downward.

**Note:**

*To uncoil belt, belt retractor must be in installed position.*



## LATCH System "Lower Anchors and Tethers for Children", installing and retrofitting (Wagon)

The LATCH system for "Lower Anchors and Tethers for Children" consists of the combination of rear upper tethers and rear lower anchors used to secure a child restraint.

### Note:

Installing rear lower anchor bracket for child seat LATCH ⇒ [page 72-49](#) .

### 1 - Rear top tether bracket

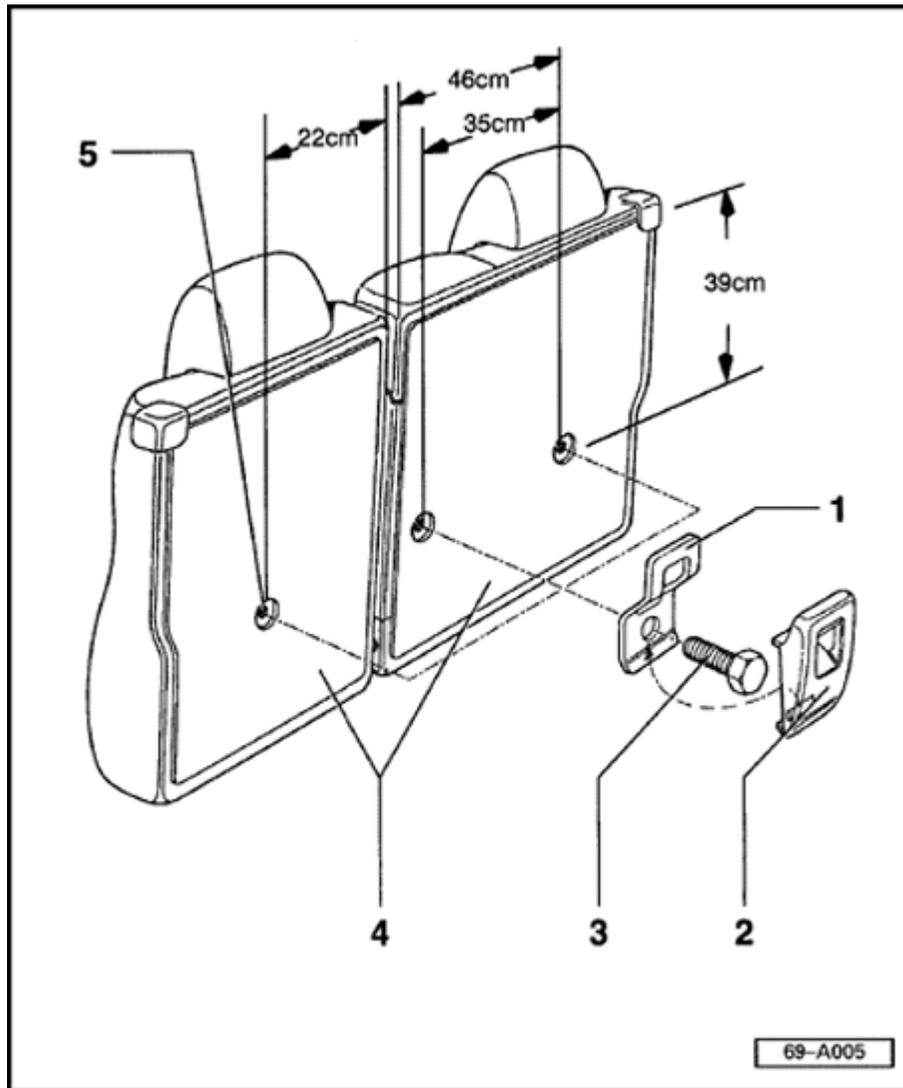
#### ◆ Installing:

- Cut seatback at indicated dimensions for threaded plate - 5 - .
- Install anchoring bracket

### 2 - Cover

### 3 - Bolt

- ◆ 40 Nm (30 ft lb)



#### 4 - Seatback (2x)

#### Note:

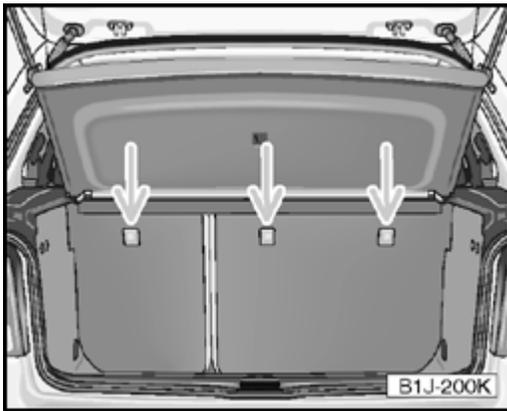
- ◆ *Verify threaded plate is in place.*
- ◆ *Cut material to allow bolt clearance.*

#### 5 - Threaded plate (3x)

- ◆ Part of backrest



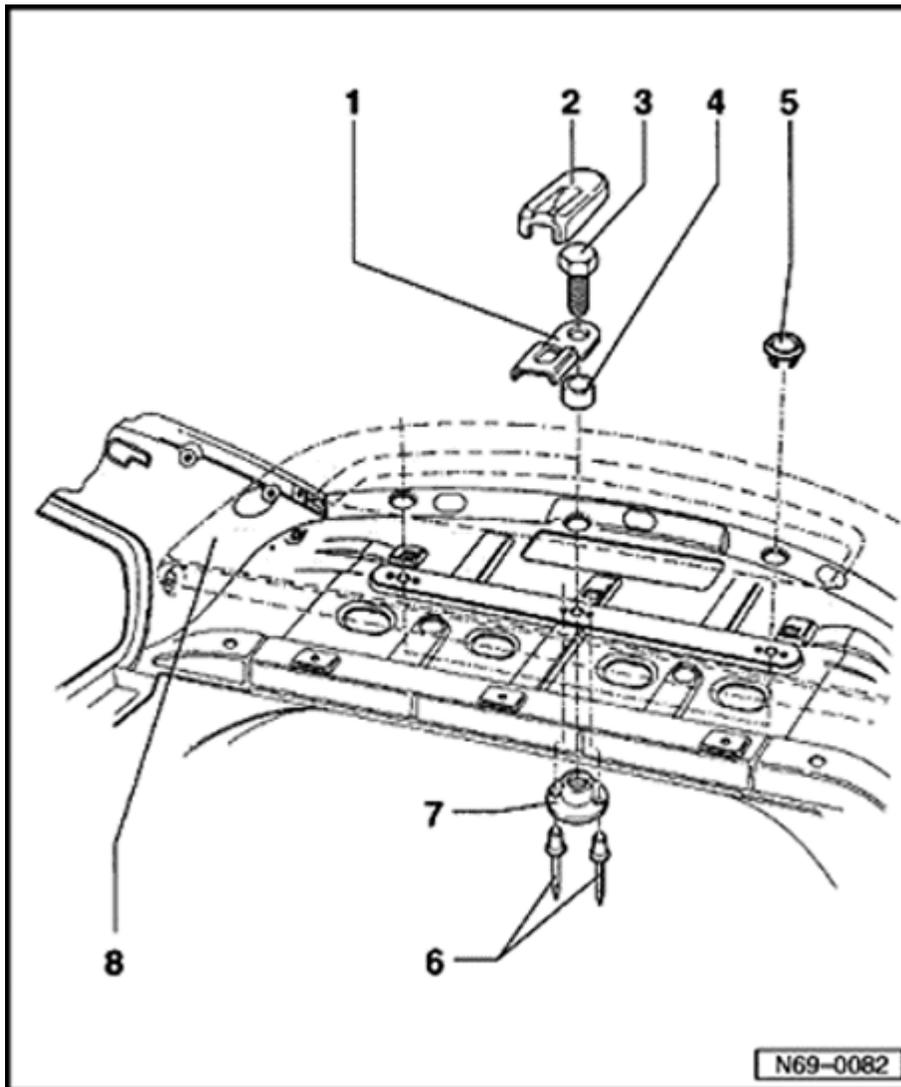
A tether anchor is used to connect the child restraint rear top tether strap to the vehicle. A tether is a straight or V-shaped strap that attaches the top part of a child restraint to special anchorage points in the vehicle.



**A** Illustration shows seat back with rear top tether anchors.

**Notes:**

- ◆ *Some Passat Wagon models may require a seat back change for tether anchor installation.*
- ◆ *Anchor points shown are in the approximate location. Points may actually be located lower on the seat back.*



## LATCH System "Lower Anchors and Tethers for Children", installing and retrofitting (Sedan)

The LATCH system for "Lower Anchors and Tethers for Children" consists of the combination of rear upper tethers and rear lower anchors used to secure a child restraint.

### Note:

Installing rear lower anchor bracket for child seat LATCH ⇒ [page 72-49](#) .

### 1 - Rear top tether bracket

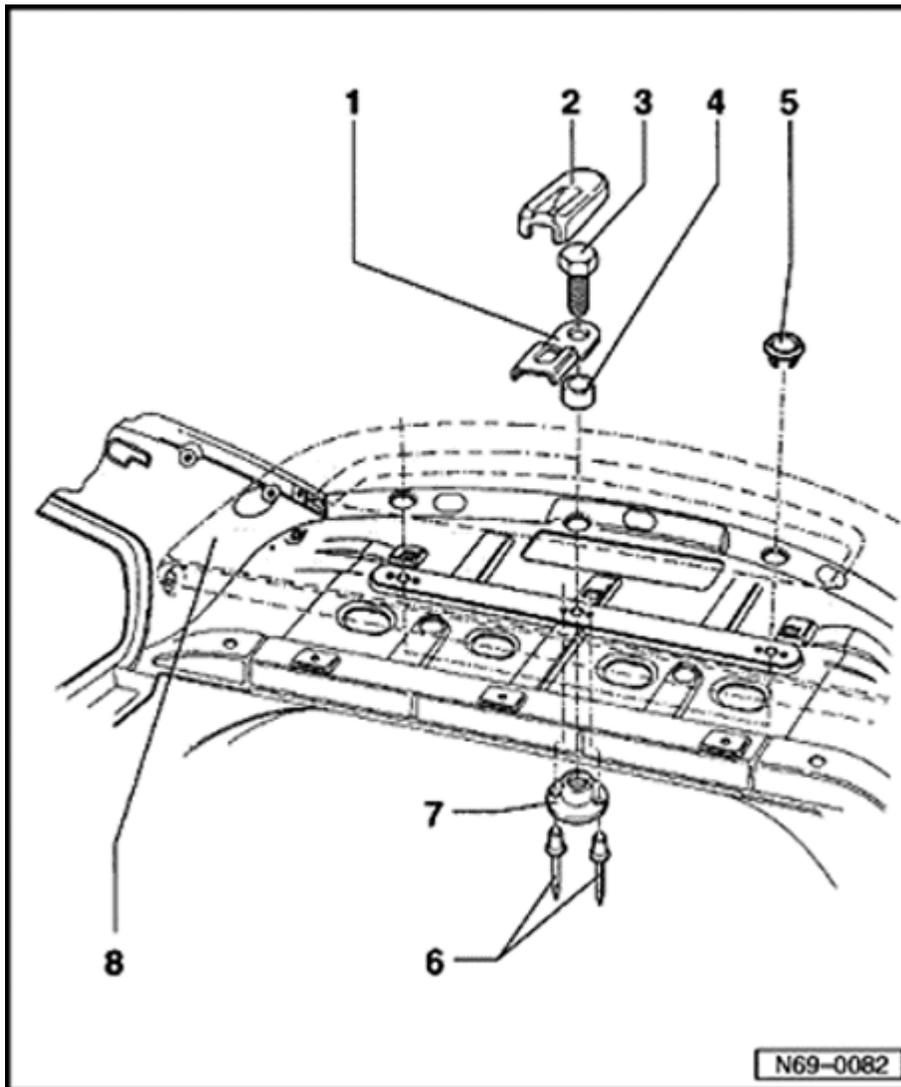
#### ◆ Installing:

- Remove rear shelf - 8 - and knock out holes at marked locations
- Install threaded plate to inside of rear compartment with rivets - 6 -
- Install rear shelf into vehicle
- Install bracket - 1 - or plug - 5 -

### 2 - Cover

### 3 - Bolt

- ◆ 40 Nm (30 ft lb)



4 - Sleeve

5 - Plug

6 - Rivet

7 - Threaded plate

8 - Rear shelf



A tether anchor is used to connect the child restraint rear top tether strap to the vehicle. A tether is a straight or V-shaped strap that attaches the top part of a child restraint to special anchorage points in the vehicle.

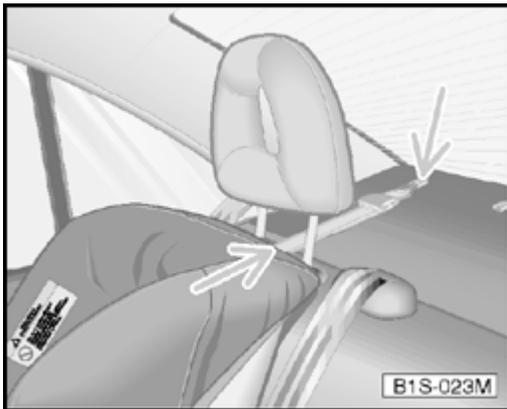


Illustration shows rear top tether strap attached to anchor.



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## Front belt tensioning unit, deploying (disposal)

### **WARNING!**

- ◆ *It is dangerous to scrap an unignited gas generator.*
- ◆ *The belt tensioner unit gas generator must be made unusable before scrapping. This is important because the gas generator is a pyrotechnic device that can cause injury if activated improperly (for instance when using a cutting torch).*

- Remove seat belt with belt tensioning unit

Use J-44210 Deployment Fixture and refer to the Airbag & Pyrotechnic Deployment Device Instruction Booklet for proper deployment procedure.