

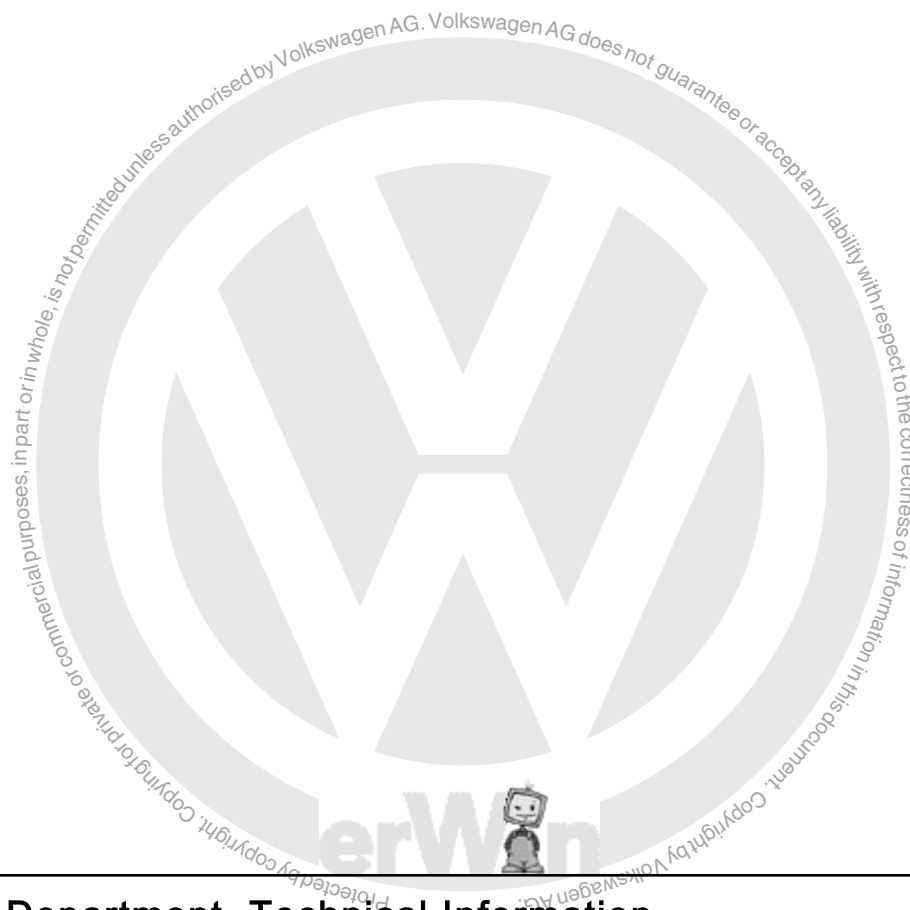
## Workshop Manual

Multivan 2025 ➤

Multivan 2022 ➤

**General body repairs, interior**

Edition 09.2024

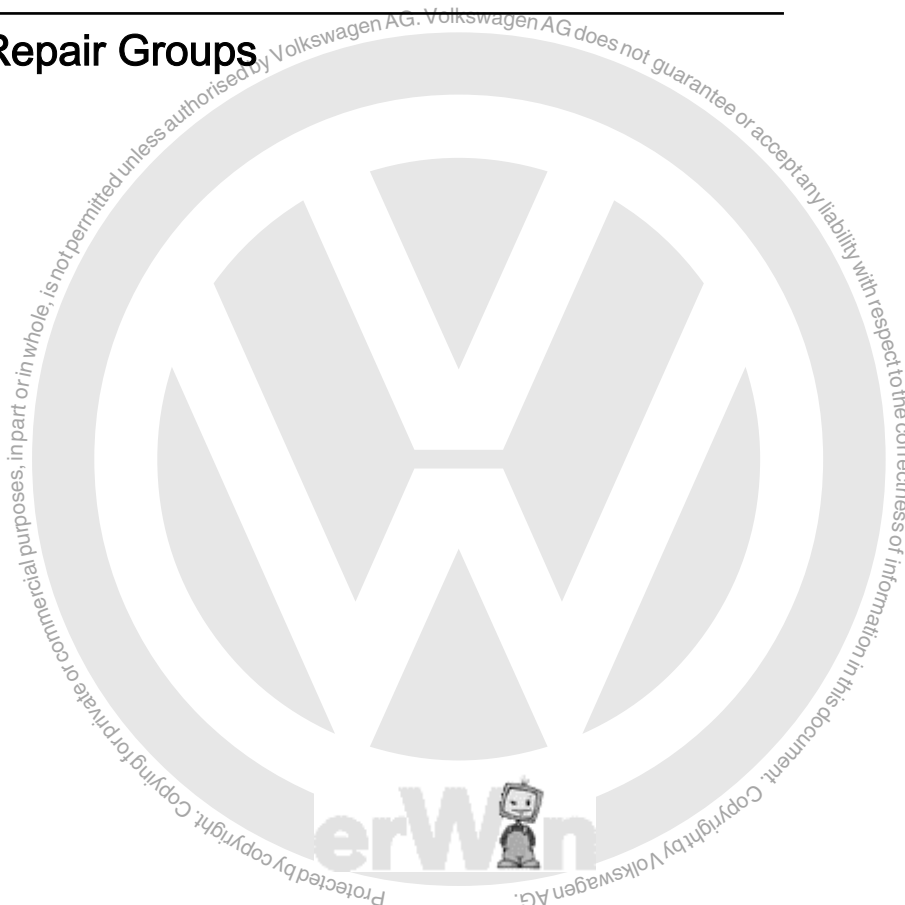




## List of Workshop Manual Repair Groups

### Repair Group

- 00 - Technical data
- 68 - Interior equipment
- 69 - Passenger protection
- 70 - Trim, insulation
- 72 - Seat frames
- 74 - Seat - padding, covers



Technical information should always be available to the foremen and mechanics, because their careful and constant adherence to the instructions is essential to ensure vehicle road-worthiness and safety. In addition, the normal basic safety precautions for working on motor vehicles must, as a matter of course, be observed.

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## 00 – Technical data

### 1 Electrical components

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#### 1.1 Access to diagnoses

**Adapting front three-point seat belt, electrically reversible version**

- ◆ Performing adaptation

**Renewing airbag control unit - J234-**

- ◆ Renewing control unit





## 68 – Interior equipment

### 1 Safety information and repair notes

#### 1.1 Safety information

Observe safety information ➤ Safety information and repair notes; Rep. gr. 00 ; Safety information .

#### 1.2 Repair instructions

Observe repair instructions ➤ Safety and repair instructions; Rep. gr. 00 ; Repair instructions .

## 2 Compartments/covers

### 2.1 Assembly overview - dash panel cover (driver side)

The overview shows a left-hand drive vehicle as an example.  
For right-hand drive vehicles, the layout is a mirror image.

#### 1 - Dash panel cover on driver side

- ❑ ⇒ Rep. gr. 68 ; Removing and installing dash panel cover on driver side

#### 2 - Operating unit for lighting - EX59-

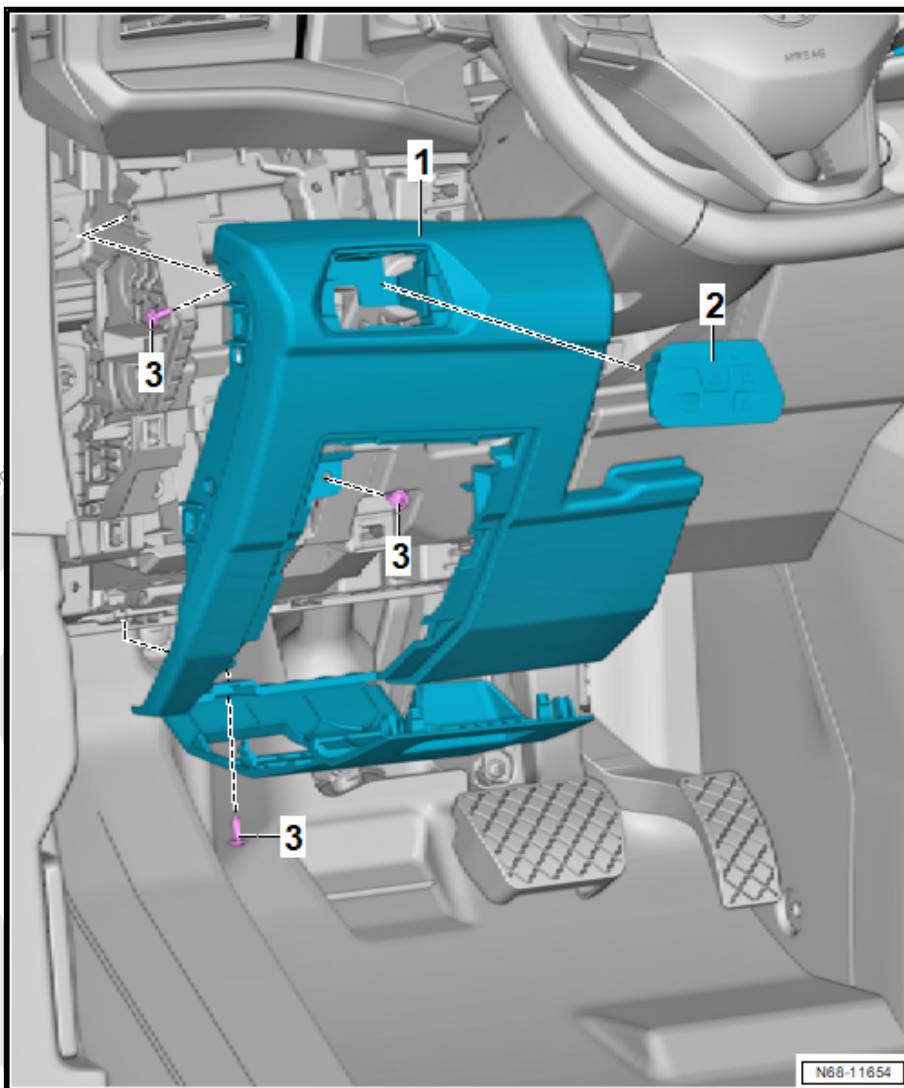
- ❑ ⇒ Electrical system; Rep. gr. 96 ; Controls; Removing and installing operating unit for rear lighting [EX59]

#### 3 - Bolt

- ❑ Qty. 3; right-hand drive vehicles: qty. 2
- ❑ 1.5 Nm

#### 4 - Driver side footwell cover

- ❑ ⇒ Rep. gr. 68 ; Removing and installing footwell cover (driver side)



### 2.2 Assembly overview - steering column trim

The overview shows a left-hand drive vehicle as an example.  
For right-hand drive vehicles, the layout is a mirror image.





#### 1 - Gap cover for dash panel insert

- ❑ Can only be renewed along with dash panel insert trim

#### 2 - Upper steering column trim

- ❑ ⇒ Rep. gr. 68 ; Removing and installing upper steering column trim

#### 3 - Steering column electronics control unit - J527-

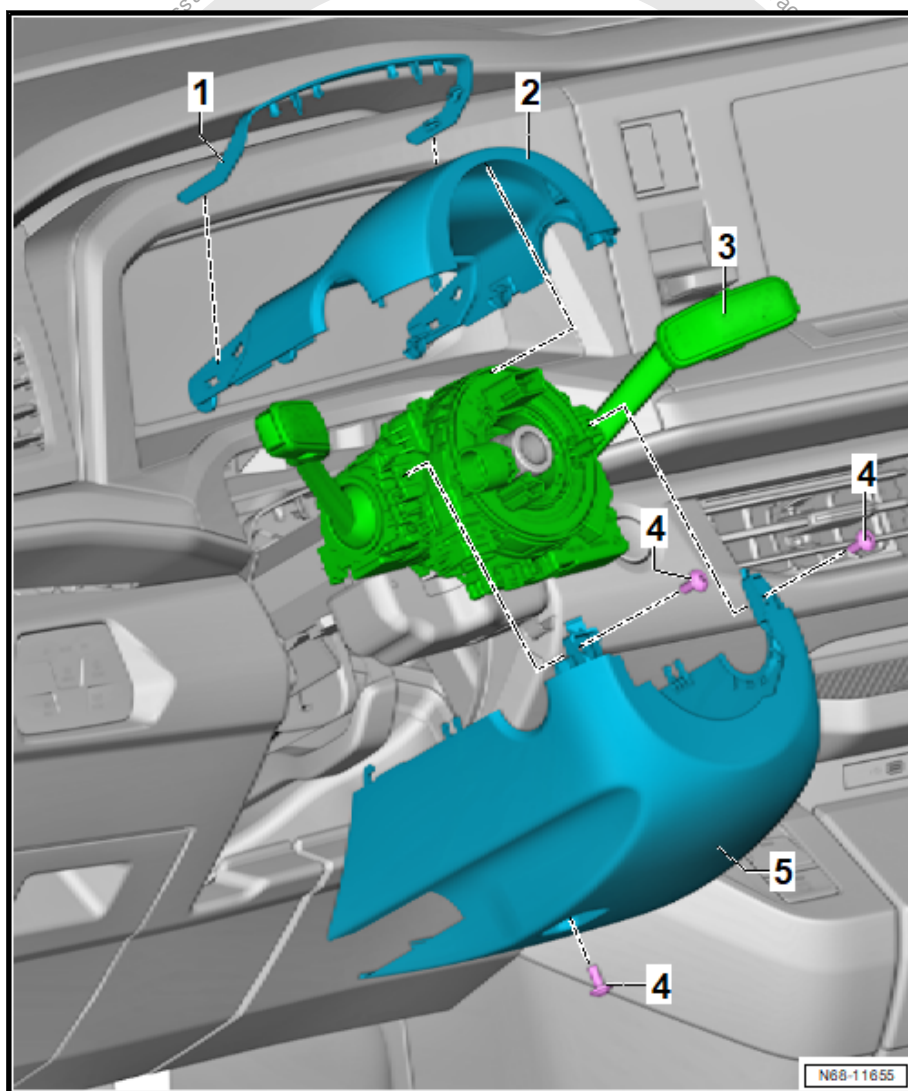
- ❑ ⇒ Electrical system; Rep. gr. 94 ; Steering column switch module; Assembly overview – steering column switch module
- ❑ ⇒ Electrical system; Rep. gr. 94 ; Steering column switch module; Removing and installing steering column electronics control unit [J527]

#### 4 - Bolt

- ❑ Qty. 3
- ❑ Bolts, top: 1.5 Nm
- ❑ Bolt, bottom: 2.5 Nm

#### 5 - Lower steering column trim

- ❑ ⇒ Rep. gr. 68 ; Removing and installing lower steering column trim



## 2.3 Assembly overview - glove compartment

### 2.3.1 Assembly overview - glove compartment, top

The overview shows a left-hand drive vehicle as an example.  
For right-hand drive vehicles, the layout is a mirror image.



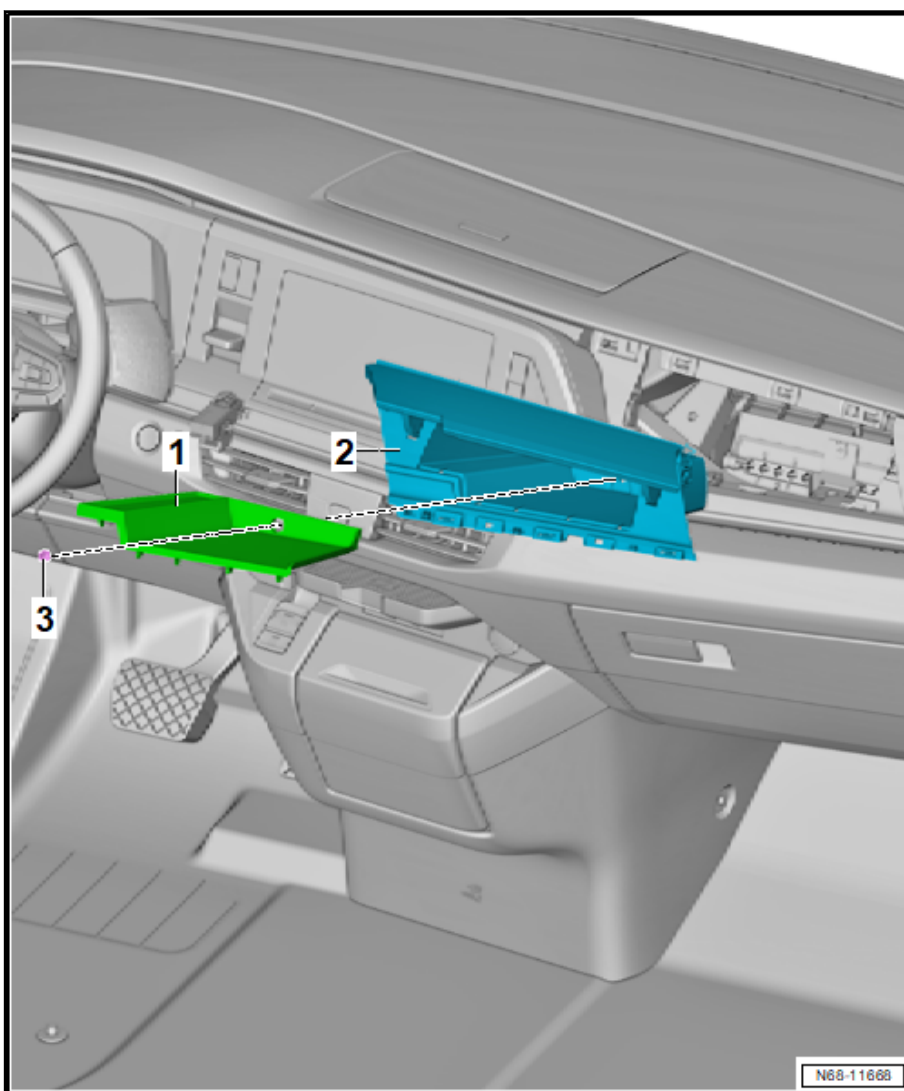
**1 - Lining mat**

**2 - Glove compartment**

- ☐ Top
- ☐ ⇒ Rep. gr. 68 ; Removing and installing upper glove compartment

**3 - Bolt**

- ☐ 1.5 Nm



### 2.3.2 Assembly overview - glove compartment, bottom

Overview shows left-hand drive vehicle as an example; for right-hand drive vehicles, the layout is a mirror image



**1 - Glove compartment cover**

- ❑ ⇒ Rep. gr. 68 ;  
Removing and instal-  
ling glove compartment  
cover

**2 - Bolt**

- ❑ Qty. 3
- ❑ 1.5 Nm

**3 - Buffer stop**

- ❑ Qty. 2

**4 - Bolt**

- ❑ 1.5 Nm

**5 - Right footwell light - W10-**

- ❑ ⇒ Electrical system;  
Rep. gr. 96 ; Lights;  
Removing and instal-  
ling footwell light [W9]/  
[W10]

**6 - Glove compartment**

- ❑ Bottom
- ❑ ⇒ Rep. gr. 68 ; Re-  
moving and installing  
glove compartment
- ❑ ⇒ Rep. gr. 68 ; Serv-  
ice position of glove  
compartment

**7 - Glove compartment open-  
er**

- ❑ ⇒ Rep. gr. 68 ;  
Removing and instal-  
ling glove compartment  
opener

**8 - Bolt**

- ❑ 1 Nm

**9 - Bolt**

- ❑ Qty. 3
- ❑ 1.5 Nm

**10 - Pin**

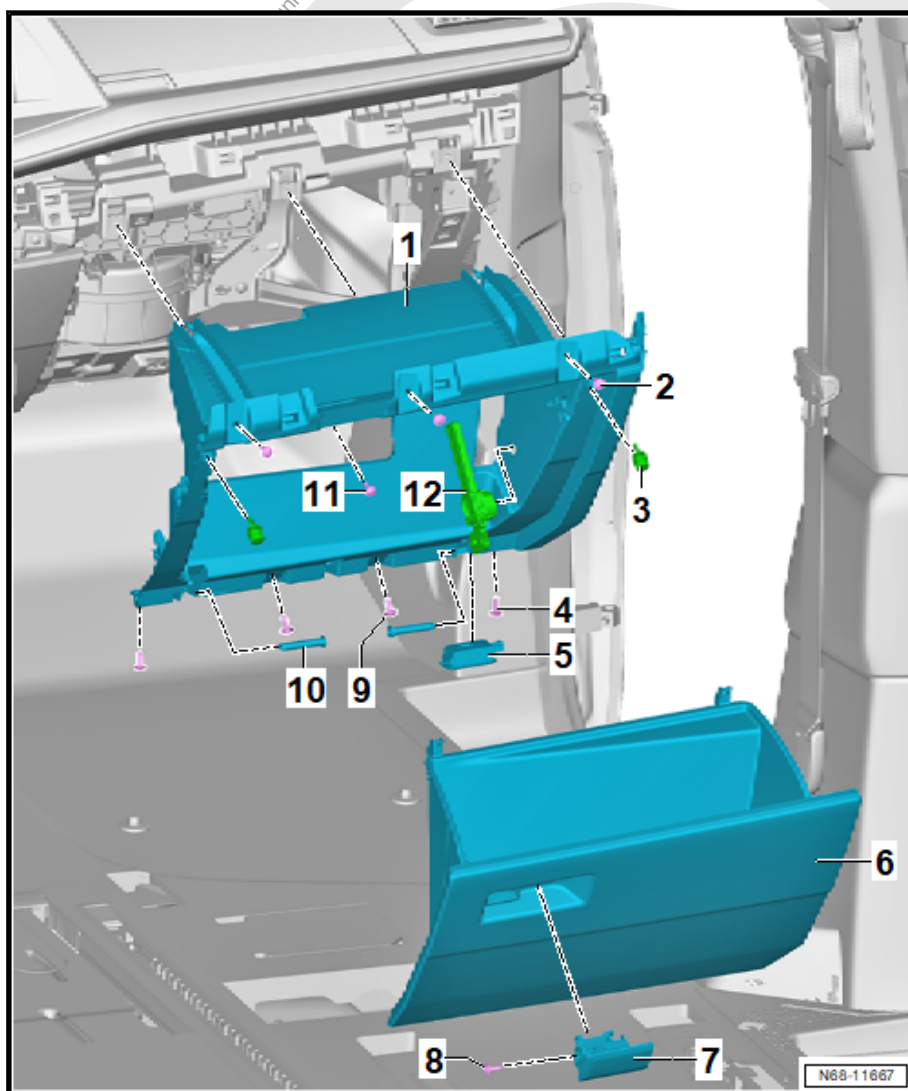
- ❑ Qty. 2

**11 - Bolt**

- ❑ 1.5 Nm

**12 - Restrictor in glove compartment**

- ❑ ⇒ Rep. gr. 68 ; Removing and installing restrictor for glove compartment



## 2.4 Removing and installing dash panel cover on driver side

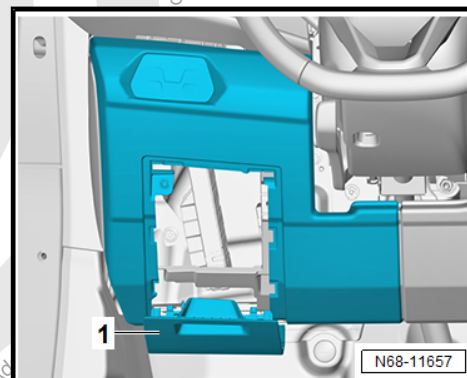
Removal and installation are described for a left-hand drive  
vehicle as an example.



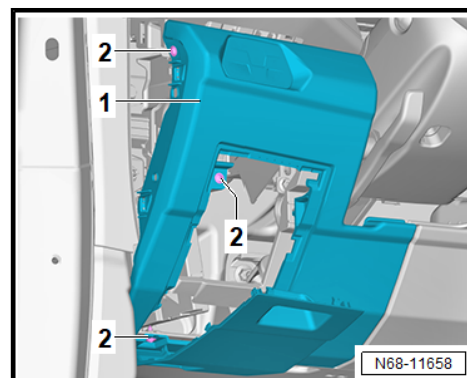
## Removing

- Remove dash panel end cover on driver side ⇒ Rep. gr. 70 ; Removing and installing dash panel end cover, driver side.

- Open flap -1-.



- Unscrew bolts -2-.
- Pull off dash panel end cover on driver side -1- far enough to gain access to electrical connector.
- Disconnect electrical connector for operating unit for lighting - EX59- .
- Remove dash panel trim on driver side -1-.



## Installing

Install in reverse order of removal, observing the following:

## Tightening torques

- ◆ ⇒ Rep. gr. 68 ; Assembly overview - dash panel cover (driver side)

## 2.5 Removing and installing upper steering column trim

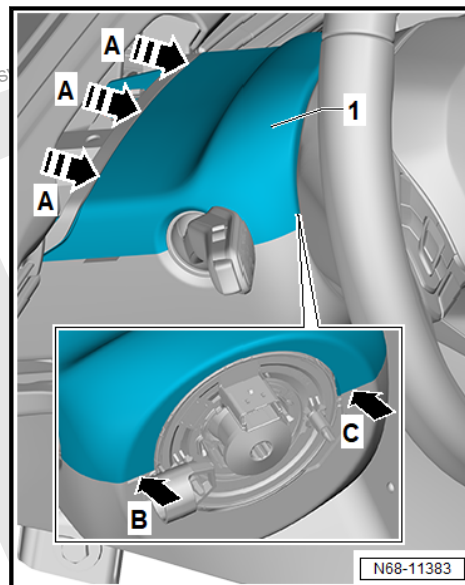
Removal and installation are described for a left-hand drive vehicle as an example.



## Removing

- Release steering wheel adjustment mechanism.
- Pull out steering wheel completely, and set it down. Use full adjustment range of steering column for this purpose.

- Release upper steering column trim -1- from mountings of lower steering column trim -arrow B- and -arrow C-. To do this, turn steering wheel accordingly.
- Unclip upper steering column trim -1- from gap cover in direction of -arrow A- using commercially available plastic wedge, and remove it.



## Installing

Install in reverse order of removal, observing the following:

- Press in upper steering column trim until it engages audibly.

## 2.6 Removing and installing lower steering column trim

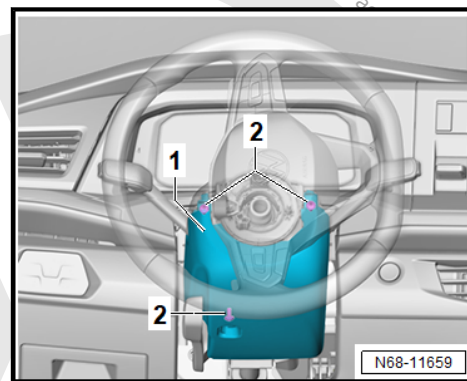
Removal and installation are described for a left-hand drive vehicle as an example.

## Removing

- Detach upper steering column trim ⇒ Rep. gr. 68 ; Removing and installing upper steering column trim .



- Turn steering wheel as shown until bolts -2- are accessible.
- Unscrew bolts -2-.
- Remove lower steering column trim -1-.



## Installing

Install in reverse order of removal, observing the following:

## Tightening torques

- ◆ ⇒ Rep. gr. 68 ; Assembly overview - steering column trim

## 2.7 Removing and installing glove compartment

### 2.7.1 Removing and installing upper glove compartment

Removal and installation are described for a left-hand drive vehicle as an example.

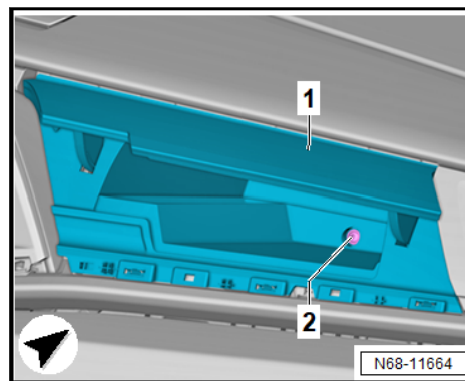
## Removing

- Remove dash panel trim on front passenger side ⇒ Rep. gr. 70 ; Removing and installing dash panel trim on front passenger side .
- Open upper glove compartment.





- Unscrew bolt -2-.
- Remove upper glove compartment -1-.



## Installing

Install in reverse order of removal, observing the following:

## Tightening torques

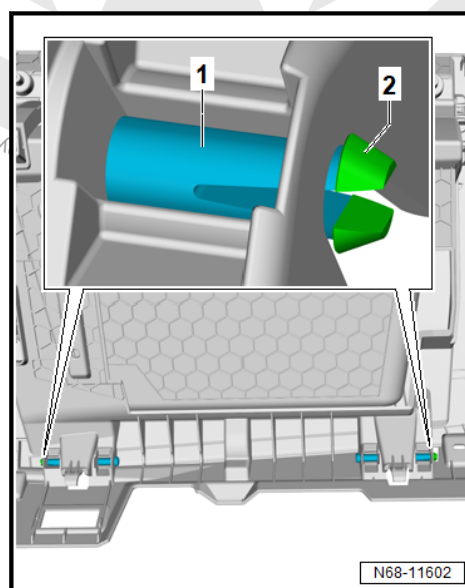
- ♦ ⇒ Rep. gr. 68 ; Assembly overview - glove compartment

## 2.7.2 Removing and installing glove compartment, lower

### Removing

- Remove glove compartment cover ⇒ Rep. gr. 68 ; Removing and installing glove compartment cover .

- Press together pin -1- in area -2- and drive out inwards.
- Remove glove compartment.







## Installing

Install in reverse order of removal.

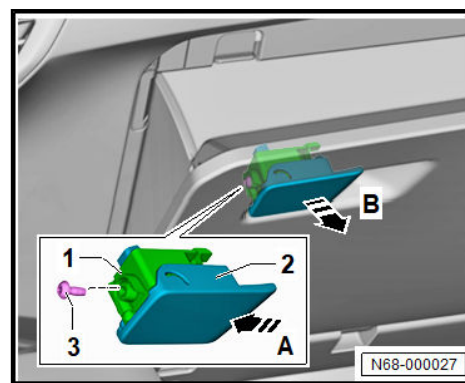
## 2.8 Removing and installing glove compartment opener

Removal and installation are described for a left-hand drive vehicle as an example.

### Removing

- Open glove compartment.

- Unscrew bolt -3-.
- Pull glove compartment opening mechanism -2- in direction of -arrow B- and push in direction of -arrow A-.
- Remove glove compartment opener -2- together with mounting frame -1- in direction of -arrow B-.



### Installing

Install in reverse order of removal, observing the following:

### Tightening torques

- ◆ ⇒ Rep. gr. 68 ; Assembly overview – glove compartment

## 2.9 Removing and installing restrictor in glove compartment

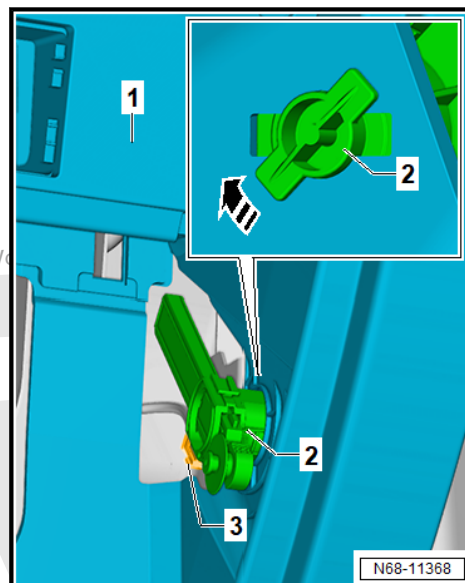
Removal and installation are described for a left-hand drive vehicle as an example.

### Removing

- Bring glove compartment to service position ⇒ Rep. gr. 68 ; Glove compartment, service position .



- Disconnect electrical connector -3-.
- Turn restrictor -2- in direction of -arrow- in mounting of glove compartment on front passenger side -1-.
- Remove restrictor -2-.



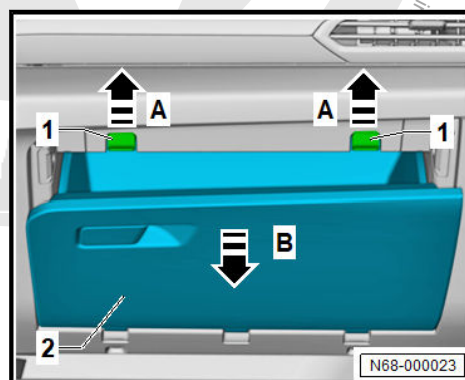
### Installing

Install in reverse order.

## 2.10 Glove compartment, service position

### Moving to service position

- Open glove compartment -2-.
- Push buffer stops -1- in direction of -arrow A-, and fold out glove compartment -2- as far as stop in direction of -arrow B-.
- Unclip push rod from restrictor at side on glove compartment.



### Moving from service position

- Slowly close glove compartment until cover can be heard to engage.

## 2.11 Removing and installing glove compartment cover

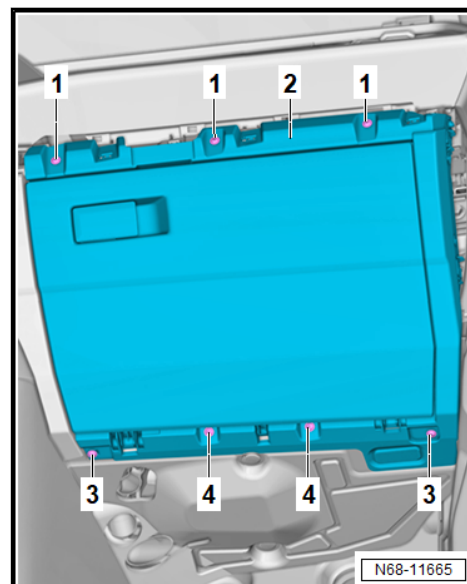
Removal and installation are described for a left-hand drive vehicle as an example.



## Removing

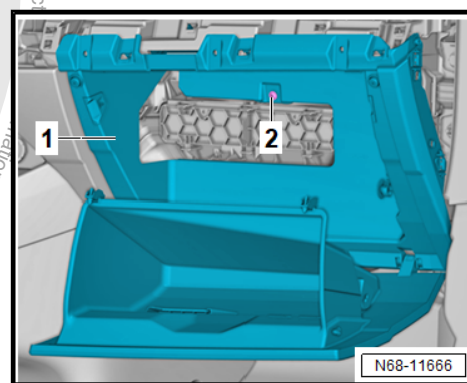
- Remove dash panel end cover on front passenger side  
⇒ Rep. gr. 70 ; Removing and installing dash panel end cover, front passenger side .
- Remove lower centre dash panel trim ⇒ Rep. gr. 70 ; Removing and installing lower centre dash panel trim .

- Unscrew bolts -1-, -3- and -4-.



- Perform ⇒ Rep. gr. 68 ; Service position of glove compartment .

- Unscrew bolt -2-.
- Detach glove compartment cover -1- to gain access to electrical connectors.
- Disconnect electrical connector of right footwell light - W10- and glove compartment light - W6- .



## Installing

Install in reverse order of removal, observing the following:



## Tightening torques

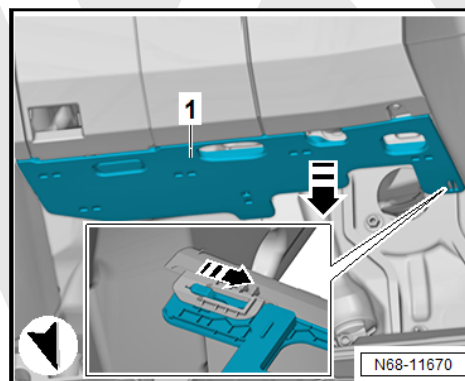
♦ ⇒ Rep. gr. 68 ; Assembly overview - glove compartment

## 2.12 Removing and installing footwell cover (driver side)

Removal and installation are described for a left-hand drive vehicle as an example.

### Removing

- Unclip driver side footwell cover -1- in direction of -arrow-.
- Pull out driver side footwell cover -1- in opposite direction of travel far enough to gain access to electrical connector.
- Disconnect electrical connector from left footwell light - W9- .



### Installing

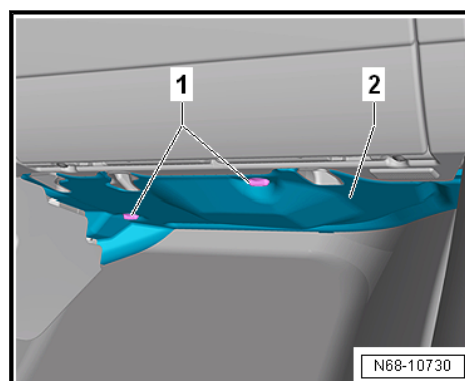
Install in reverse order of removal.

## 2.13 Removing and installing footwell cover (front passenger side)

Removal and installation are described for a left-hand drive vehicle as an example.

### Removing

- Pull out plugs -1-.
- Remove footwell cover on front passenger side -2-.





## Installing

Install in reverse order.

## 2.14 Removing and installing cover for driver assist systems

### Special tools and workshop equipment required

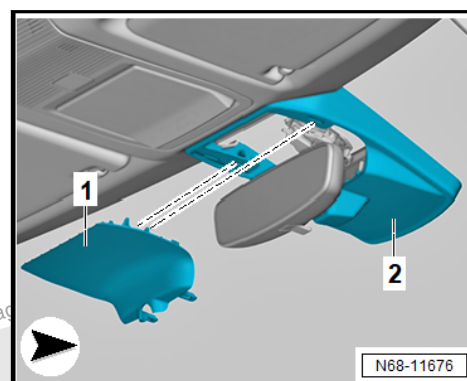
- ◆ removal wedge set - VAS 895 015-

The cover for driver assist systems will henceforth be referred to as "cover".

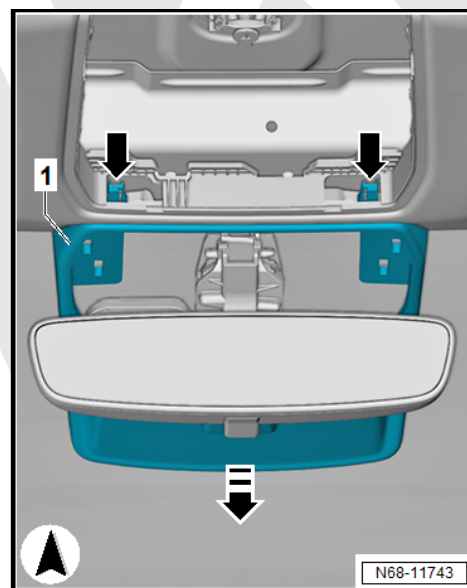
## Removing

- Remove front interior light/reading light - WX1- ⇒ Electrical system; Rep. gr. 96 ; Controls; Removing and installing front interior light/reading light [WX1] .

- Use removal wedge from removal wedge set - VAS 895 015- to unclip trim -1- from cover -2-.



- Release retaining clips -arrow-, and remove cover -1- in direction of -arrow-.





## Installing

Install in reverse order of removal.





## 3 Equipment

### 3.1 Assembly overview – net partition

The overview shows a left-hand drive vehicle as an example.  
For right-hand drive vehicles, the layout is a mirror image.

#### 1 - Net partition

#### 2 - Bracket for net partition

- ☐ Qty. 4
- ☐ ⇒ Rep. gr. 68 ; Removing and installing net partition bracket

#### 3 - Bolt

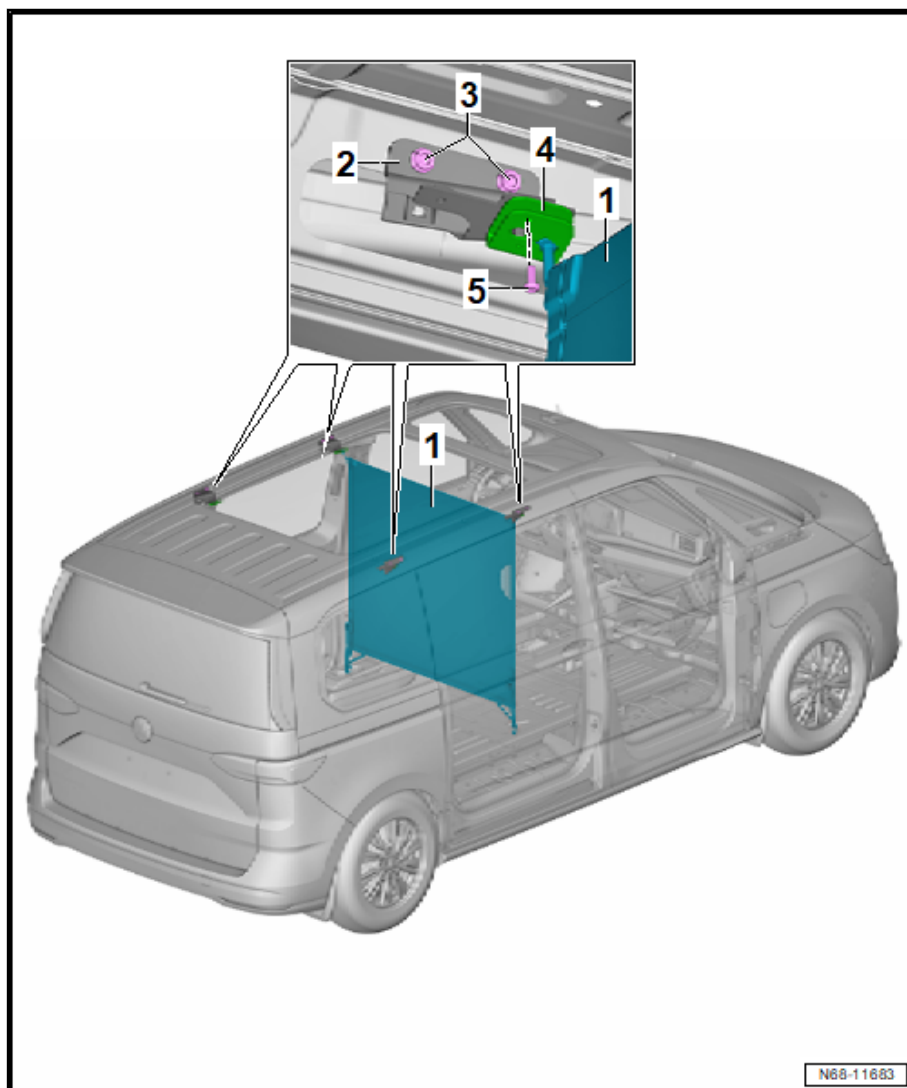
- ☐ Qty. 8
- ☐ 20 Nm

#### 4 - Net partition mounting

- ☐ Qty. 4
- ☐ ⇒ Rep. gr. 68 ; Removing and installing mounting for net partition

#### 5 - Bolt

- ☐ Qty. 4
- ☐ 4.5 Nm



### 3.2 Assembly overview ? sun visors

The overview is shown for the left side of vehicle as an example.





**1 - Moulded headliner**

- ❑ ⇒ Rep. gr. 70 ; Removing and installing moulded headliner

**2 - Sun visor centre mount**

- ❑ ⇒ Rep. gr. 68 ; Removing and installing sun visor centre mount

**3 - Sun visor**

- ❑ ⇒ Rep. gr. 68 ; Removing and installing sun visor

**4 - Electrical connector**

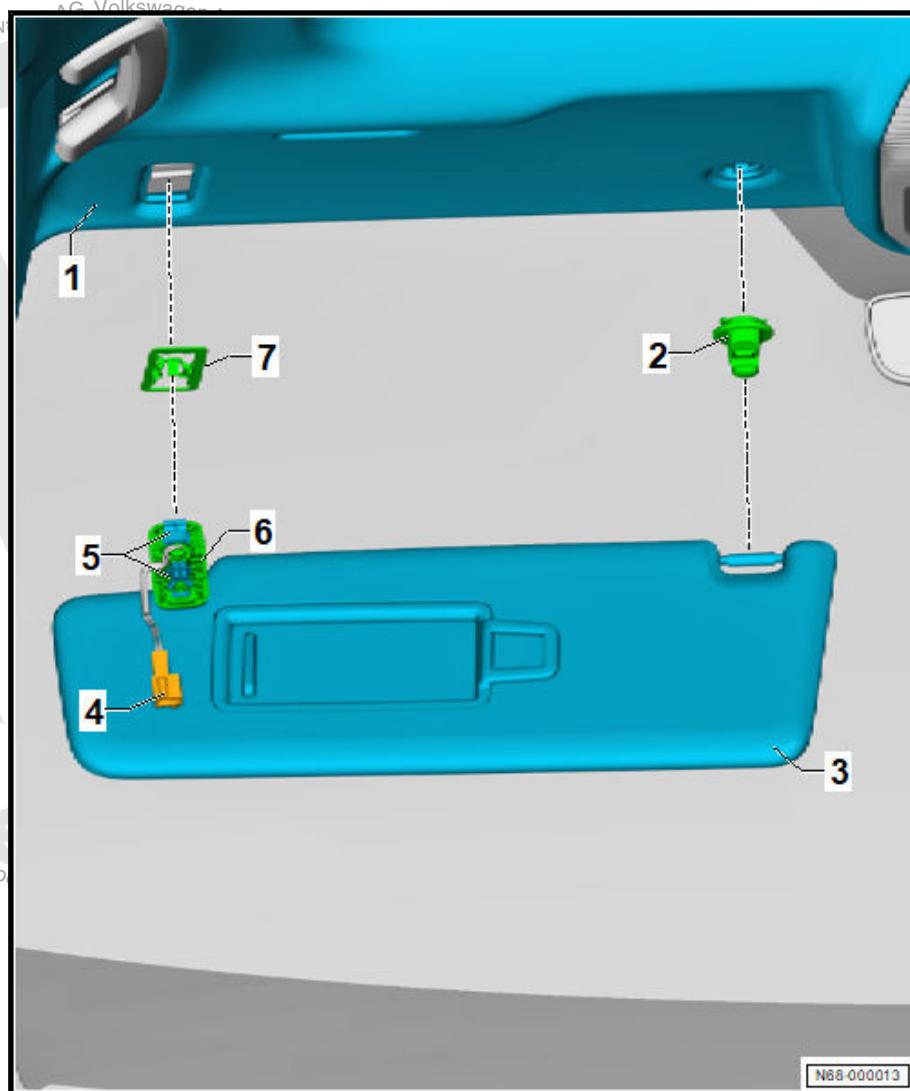
**5 - Retaining clip**

- ❑ qty. 2

**6 - Cap**

- ❑ qty. 2

**7 - Clamping plate**



### 3.3 Assembly overview - multifunction table



#### 1 - Side trim

- ☐ ⇒ Rep. gr. 68 ; Removing and installing side trim

#### 2 - Mat lining

- ☐ Qty. 2

#### 3 - Table top

- ☐ Qty. 2
- ☐ Renew after removing
- ☐ ⇒ Rep. gr. 68 ; Removing and installing table top

#### 4 - Cover, upper part

- ☐ ⇒ Rep. gr. 68 ; Removing and installing cover upper part

#### 5 - Bolt

- ☐ Qty. 4
- ☐ 6 Nm

#### 6 - Cover, lower part

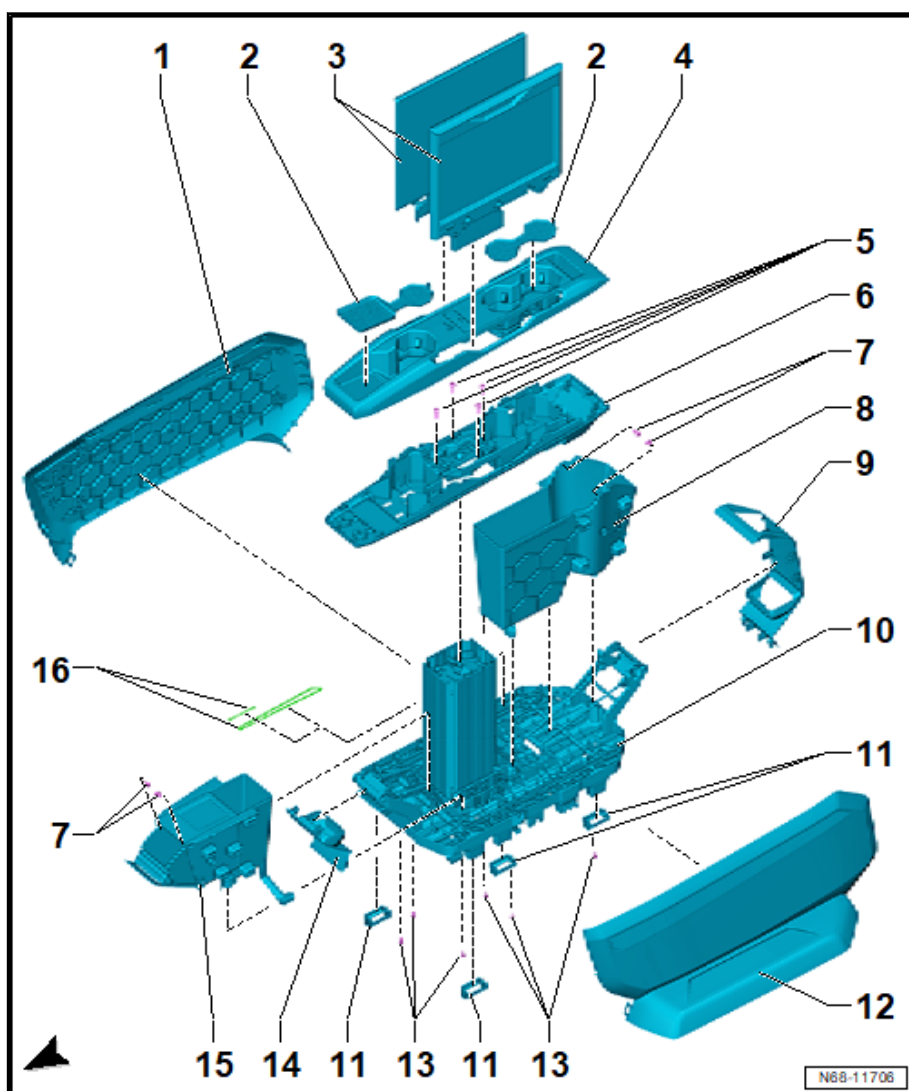
- ☐ ⇒ Rep. gr. 68 ; Removing and installing cover lower part

#### 7 - Bolt

- ☐ Qty. 4
- ☐ 0.5 Nm

#### 8 - Storage compartment, rear

- ☐ ⇒ Rep. gr. 68 ; Removing and installing rear storage compartment



#### 9 - Rear trim

- ☐ ⇒ Rep. gr. 68 ; Removing and installing rear trim

#### 10 - Multifunction table

- ☐ ⇒ Rep. gr. 68 ; Removing and installing multifunction table

#### 11 - Spacer

- ☐ Qty. 4
- ☐ ⇒ Rep. gr. 68 ; Removing and installing spacer

#### 12 - Side trim

- ☐ ⇒ Rep. gr. 68 ; Removing and installing side trim

#### 13 - Bolt

- ☐ Qty. 4
- ☐ 1.4 Nm

#### 14 - Front trim

- ☐ ⇒ Rep. gr. 68 ; Removing and installing front trim

#### 15 - Storage compartment, front

- ☐ ⇒ Rep. gr. 68 ; Removing and installing front storage compartment

#### 16 - Spring element

- ☐ Qty. 24



□ ⇒ Rep. gr. 68 ; Removing and installing spring elements

### 3.4 Assembly overview – bed frame/rack

#### Bed frame

##### 1 - Bed cushion

##### 2 - Pop rivet

- For allocation, refer to  
⇒ Electronic parts  
catalogue (ETKA)

□ Qty. 80

##### 3 - Retaining bracket

□ Qty. 22

##### 4 - Cross piece

□ Qty. 11

##### 5 - Bed frame

- ⇒ [“3.13 Removing and installing bed frame/rack”, page 34](#)

##### 6 - Lock

□ Qty. 4

□ 22 Nm

##### 7 - End cap

□ Qty. 2

##### 8 - Bolt

□ Qty. 12

□ 1 Nm

##### 9 - Hinge

##### 10 - Support leg

□ Qty. 2

- ⇒ [“3.14.1 Removing and installing support leg”, page 34](#)

##### 11 - End cap

□ Qty. 2

##### 12 - Edge protector

□ Qty. 2

##### 13 - Support

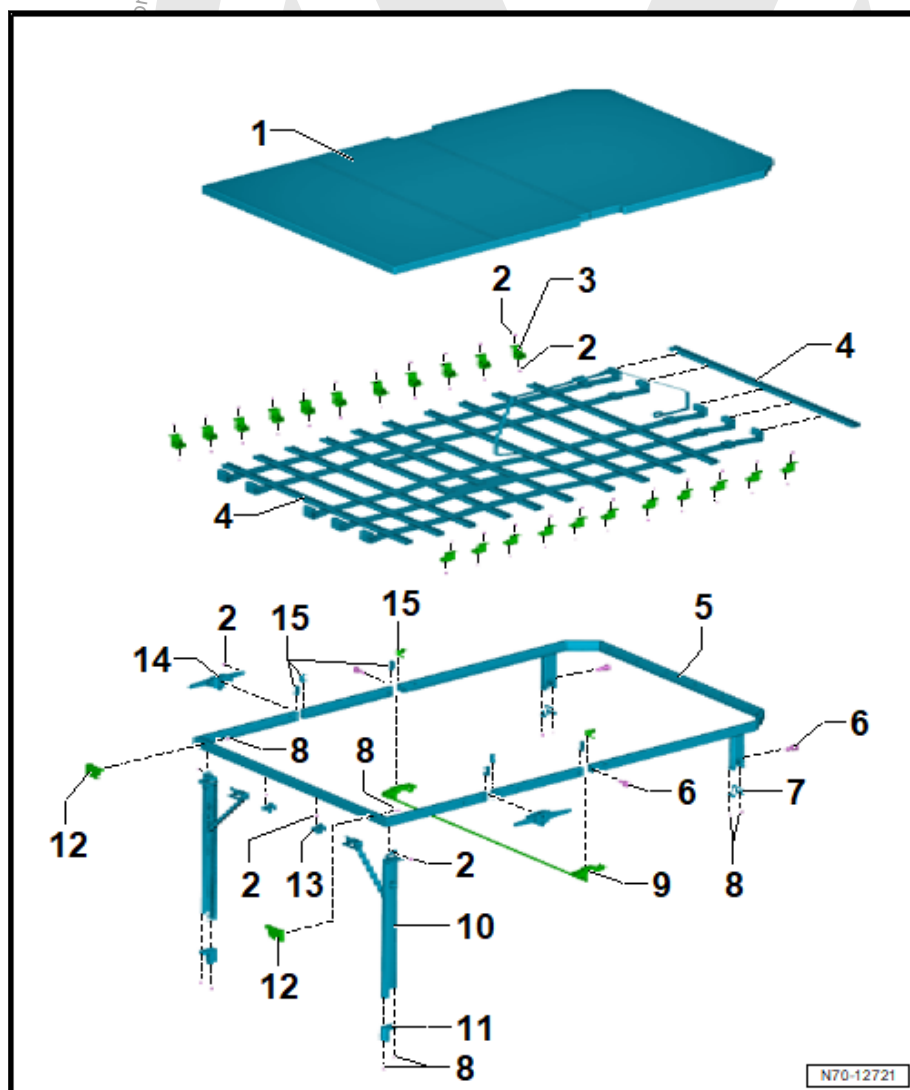
□ Qty. 2

##### 14 - Hinge

□ Qty. 2

##### 15 - Cap

□ Qty. 8



#### Base frame



**1 - Bolt**

- ☐ Qty. 12
- ☐ 1 Nm

**2 - Support**

- ☐ Qty. 2

**3 - Base frame**

- ☐ ⇒ "3.13 Removing and installing bed frame/rack", page 34

**4 - End cap**

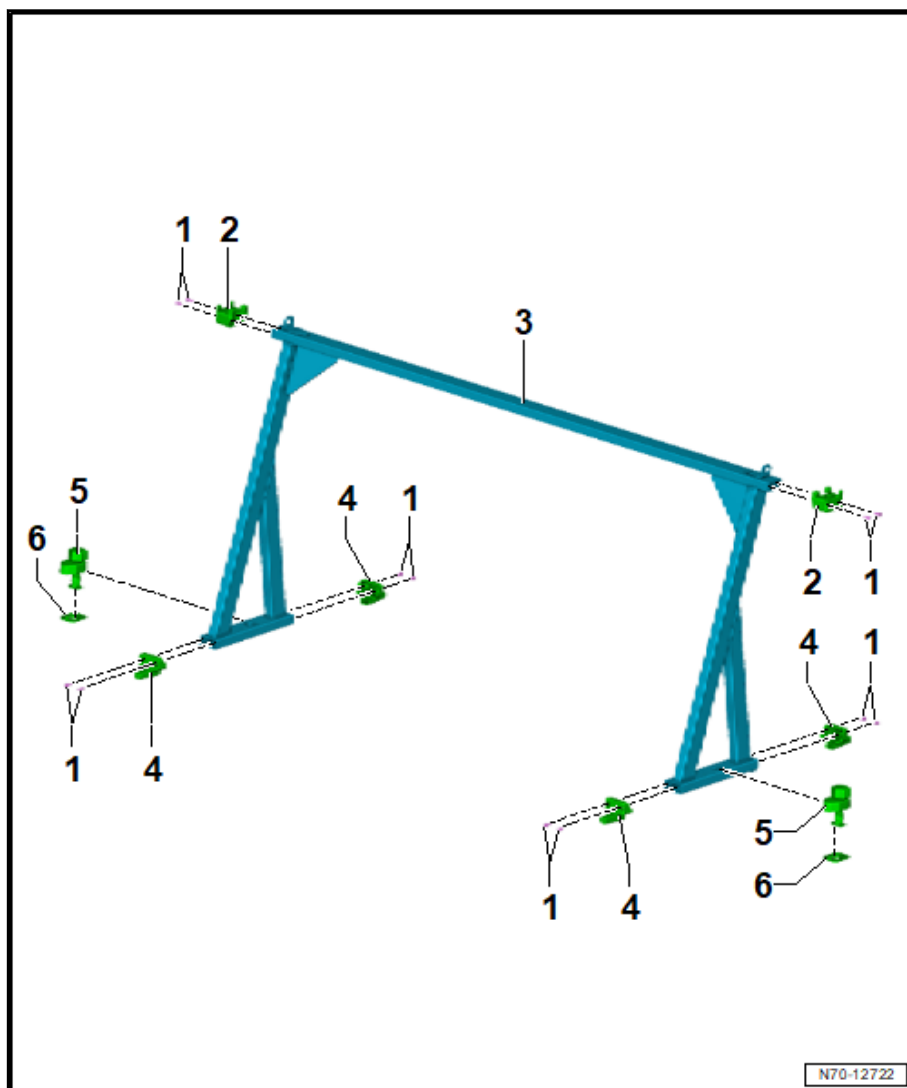
- ☐ Qty. 4

**5 - Lock**

- ☐ Qty. 2

**6 - Slide mounting**

- ☐ Qty. 2



### 3.5 Removing and installing mounting for net partition

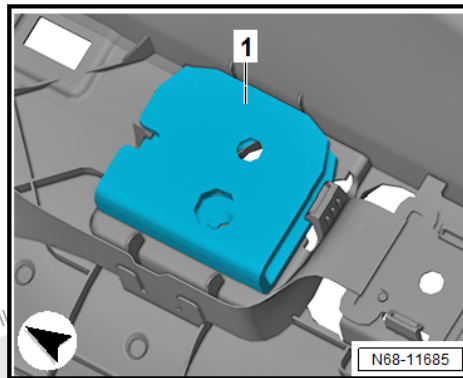
Removal and installation is described for one mounting as an example.

#### Removing

- Remove rear moulded headliner ⇒ Rep. gr. 70 ; Removing and installing moulded headliner .



- Unclip net partition mounting -1- from moulded headliner, and remove it.



### Installing

Install in reverse order of removal.

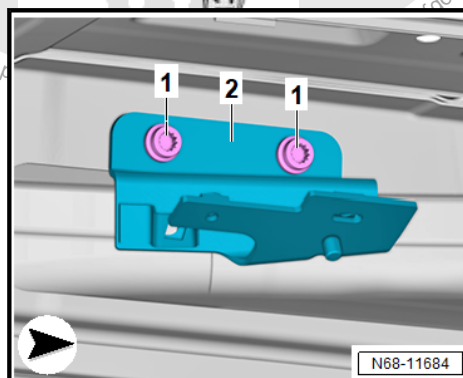
## 3.6 Removing and installing net partition bracket

Removal and installation are described for left side of vehicle as an example.

### Removing

- Remove rear moulded headliner ⇒ Rep. gr. 70 ; Removing and installing moulded headliner .

- Unscrew bolts -1-, and remove bracket for net partition -2-



### Installing

Install in reverse order of removal, observing the following:

### Tightening torques

- ♦ ⇒ Rep. gr. 68 ; Assembly overview – net partition



### 3.7 Removing and installing sun visor

#### Special tools and workshop equipment required

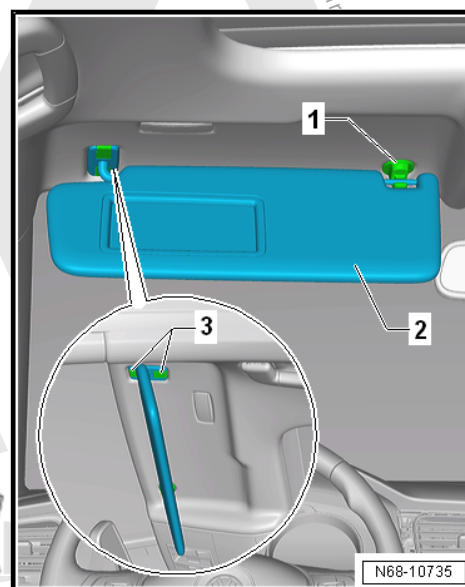
- ◆ pliers - T10558A-

Removal and installation are described for left side of vehicle as an example.

#### Removing

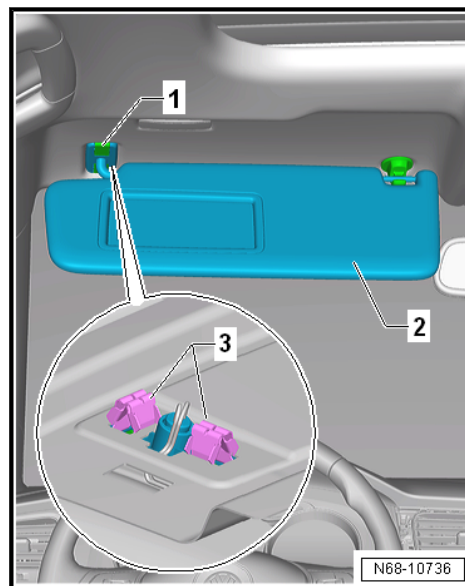
- Swing sun visor towards front.
- Remove illuminated vanity mirror ➤ Electrical system; Rep. gr. 96 ; Lights, vehicles without glass roof; Removing and installing rear illuminated vanity mirror [W49]/[W50] .

- Detach sun visor -2- on centre mount -1- and fold it aside.
- Lever off caps -3- using a small commercially available screwdriver.





- Position pliers - T10558A- centrally in retaining clips -3-.
- Detach foremost (when seen in direction of travel) retaining clip -3- in sun visor bracket -1- using pliers - T10558A- .
- To prevent front retaining clip -3- from engaging, pull sun visor -2- lightly downwards.
- Detach rearmost (when seen in direction of travel) retaining clip -3- in sun visor bracket -1- using pliers - T10558A- .
- Pull sun visor -2- downwards.



**NOTICE**

**Risk of damage to electrical wiring by pulling too forcefully.**

- **Carefully pull electrical wiring out of opening.**
- Disconnect electrical connector.
- Remove clamping plate.
- Remove sun visor.

**Installing**

Install in reverse order of removal, observing the following:

- Wrap electrical connector with one layer of foam tape.
- Reach with a finger into recess of vanity mirror light and pull moulded headliner down slightly.
- Position electrical connector between moulded headliner and roof cross member.

- Engage foremost (when seen in direction of travel) retaining clip.
- Engage rearmost (when seen in direction of travel) retaining clip.
- Ensure that both retaining clips are properly engaged.



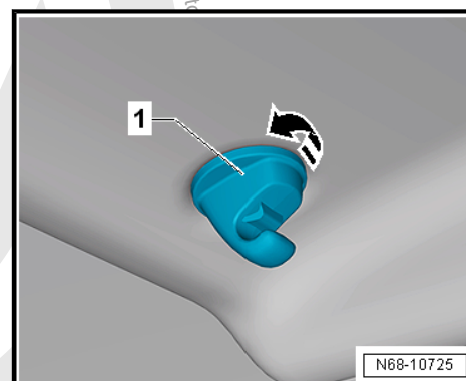


### 3.8 Removing and installing sun visor centre mount

Removal and installation are described for left side of vehicle as an example.

#### Removing

- Detach sun visor and fold it aside.
- Turn centre mount -1- in direction of -arrow-.
- Remove centre mount -1- downwards.



#### Installing

Install in reverse order of removal.

### 3.9 Removing and installing roof grab handle

#### Special tools and workshop equipment required

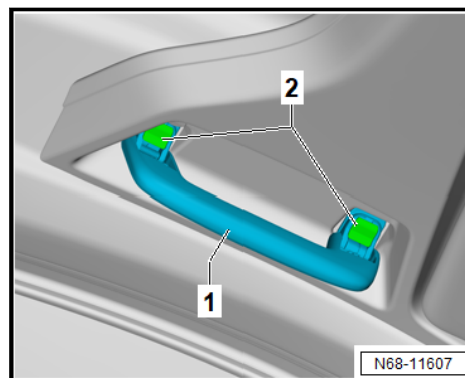
- ◆ hook - 3438-
- ◆ release tool - T10518A-

Removal and installation are described for left side of vehicle as an example.

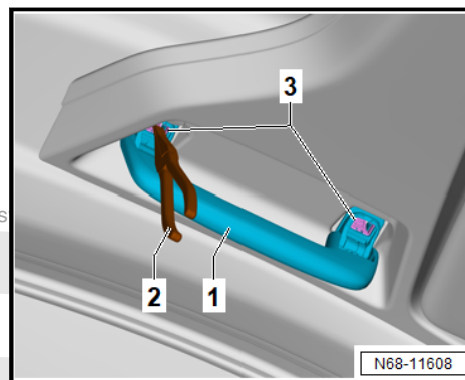


## Removing

- Fold roof grab handle -1- downwards, and hold it there.
- Unclip caps -2- using hook - 3438- .



- Fold grab handle -1- downwards again, and hold it there.
- Press release tool - T10518A- -2- into retaining clips -3-, and release retaining clips one after the other.
- Detach roof grab handle -1-.



## Installing

Install in reverse order of removal, observing the following:

- Position grab handle properly, and push it into grab handle bracket until it can be heard to engage.

### 3.10 Removing and installing grab handle bracket

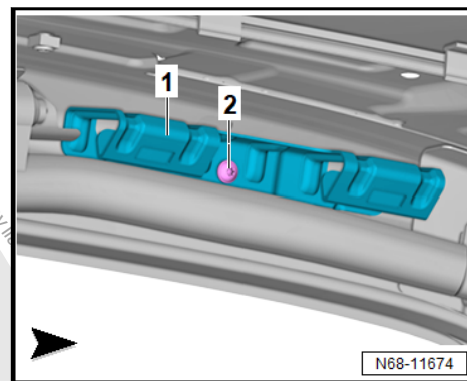
Removal and installation are described for left side of vehicle as an example.

## Removing

- Remove front moulded headliner ⇒ Rep. gr. 70 ; Removing and installing moulded headliner .



- Unscrew bolt -2-.
- Unhook grab handle bracket -1-, and remove it.



### Installing

Install in reverse order of removal, observing the following:

### Tightening torques

- ◆ ⇒ Rep. gr. 70 ; Assembly overview – B-pillar trim

## 3.11 Removing and installing multifunction table



### NOTICE

**Risk of damage to multifunction table if locking levers are actuated in wrong position.**

- Do not set down multifunction table on top cover and operate locking lever like that.

Removal and installation of the multifunction table are described in the ⇒ owner's manual .

## 3.12 Repairing multifunction table

### 3.12.1 Removing and installing table top

#### Special tools and workshop equipment required

- ◆ Drill, commercially available
- ◆ Suitable drill bit 8 mm, commercially available

### Removing

- Remove multifunction table ⇒ Rep. gr. 68 ; Removing and installing multifunction table .



- Move table top -1- halfway upwards.
- Insert suitable plate between yoke and pillar.

#### **CAUTION**

Risk of injury caused by flying metal shavings.  
Eyes and skin can suffer irritation or injuries.

- Put on safety goggles.
- Put on protective gloves.

#### **NOTICE**

Risk of damage to lifting mechanism and multifunction table

- Do not drill hole too deep.
- Drill open spot -3- in trim -4- using a commercially available power drill.

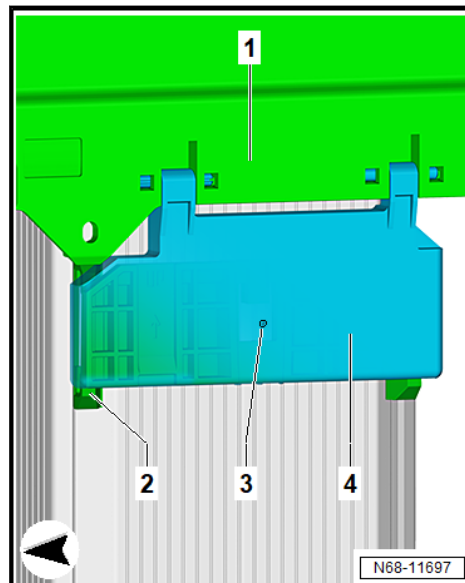
Important

- The diameter must be 8 mm.
- The depth must not exceed 7 mm.

#### **Note**

Locking mechanism of table top is irreparably damaged in the process.

- Pull out head table top -1- upwards.



#### **Installing**

Install in reverse order of removal, observing the following:

- Insert new table top into guide from above.
- Support yoke using suitable workshop means.
- Table top must audibly engage in bracket.

### **3.12.2 Removing and installing front trim**

#### **Special tools and workshop equipment required**

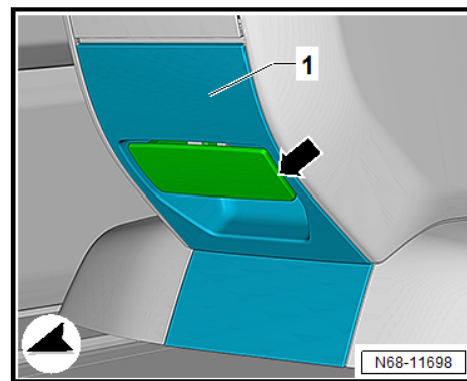
- ◆ removal wedge set - VAS 895 015-

#### **Removing**

- Remove multifunction table ⇒ Rep. gr. 68 ; Removing and installing multifunction table .



- Unclip front trim -1- using removal wedge from removal wedge set - VAS 895 015- .
- Operate locking lever -2-, and remove front trim -1-.



### Installing

Install in reverse order of removal.

## 3.12.3 Removing and installing rear trim

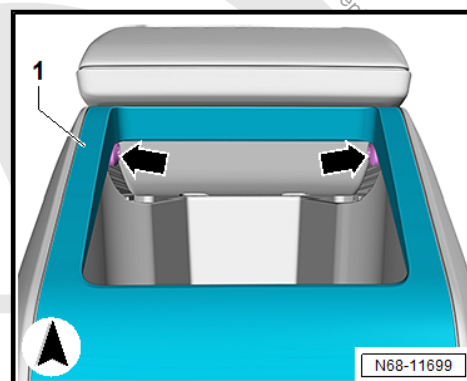
### Special tools and workshop equipment required

- ◆ removal wedge set - VAS 895 015-

### Removing

- Remove multifunction table ⇒ Rep. gr. 68 ; Removing and installing multifunction table .

- Unscrew bolts -arrows-.
- Unclip rear trim -1- using removal wedge from removal wedge set - VAS 895 015- , and remove it.



### Installing

Install in reverse order of removal, observing the following:

### Tightening torques

- ◆ ⇒ Rep. gr. 68 ; Assembly overview - multifunction table



### 3.12.4 Removing and installing side trim

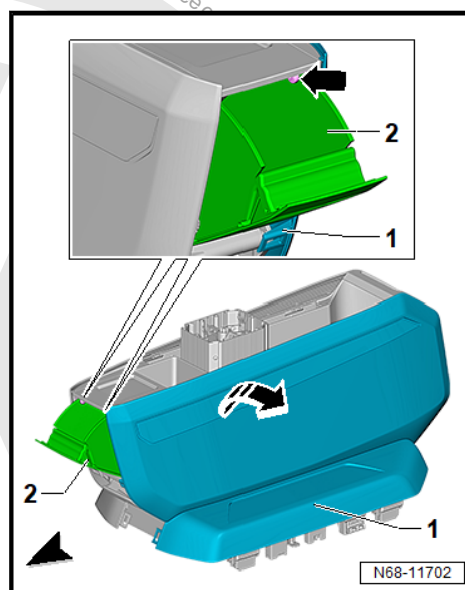
#### Special tools and workshop equipment required

- ♦ removal wedge set - VAS 895 015-

#### Removing

- Remove front trim ⇒ Rep. gr. 68 ; Removing and installing front trim .
- Remove rear trim ⇒ Rep. gr. 68 ; Removing and installing rear trim .

- Open front storage compartment -2-.
- Unscrew bolt -arrow-.
- Unclip side trim -1- using removal wedge from removal wedge set - VAS 895 015-, and remove it in direction of -arrow-.



#### Installing

Install in reverse order of removal, observing the following:

#### Tightening torques

- ♦ ⇒ Rep. gr. 68 ; Assembly overview - multifunction table

### 3.12.5 Removing and installing cover upper part

#### Special tools and workshop equipment required

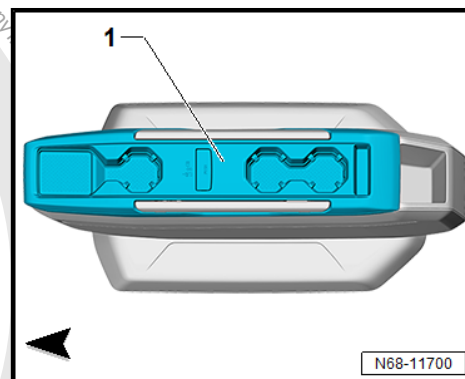
- ♦ removal wedge set - VAS 895 015-



## Removing

- Remove table tops ➔ Rep. gr. 68 ; Removing and installing table top .

- Unclip cover upper part -1- using removal wedge from removal wedge set - VAS 895 015- , and remove it.



## Installing

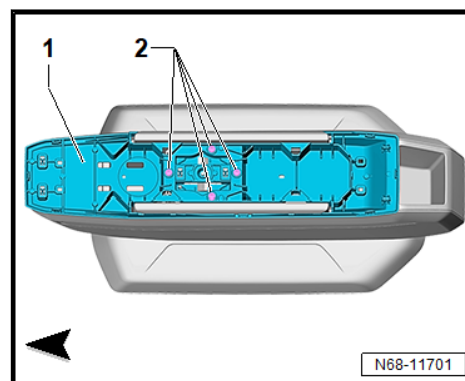
Install in reverse order of removal.

### 3.12.6 Removing and installing cover lower part

## Removing

- Remove cover upper part ➔ Rep. gr. 68 ; Removing and installing cover upper part .

- Unscrew bolts -2-.
- Remove cover lower part -1-.



## Installing

Install in reverse order of removal, observing the following:





## Tightening torques

- ◆ ⇒ Rep. gr. 68 ; Assembly overview - multifunction table

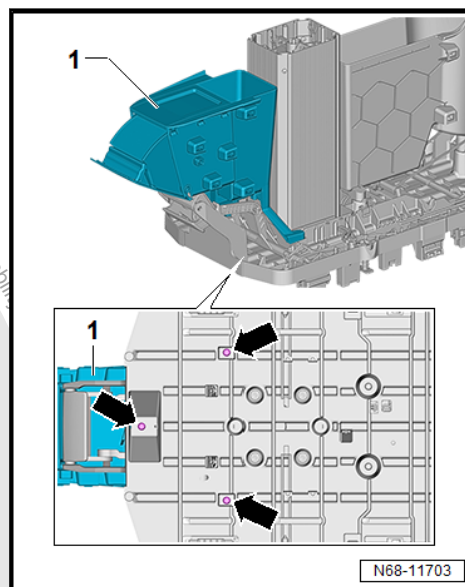
### 3.12.7 Removing and installing front storage compartment

#### Removing

- Remove side trims ⇒ Rep. gr. 68 ; Removing and installing side trim .

- Unscrew bolts -arrows-.

- Remove front storage compartment -1-.



#### Installing

Install in reverse order of removal, observing the following:

## Tightening torques

- ◆ ⇒ Rep. gr. 68 ; Assembly overview - multifunction table

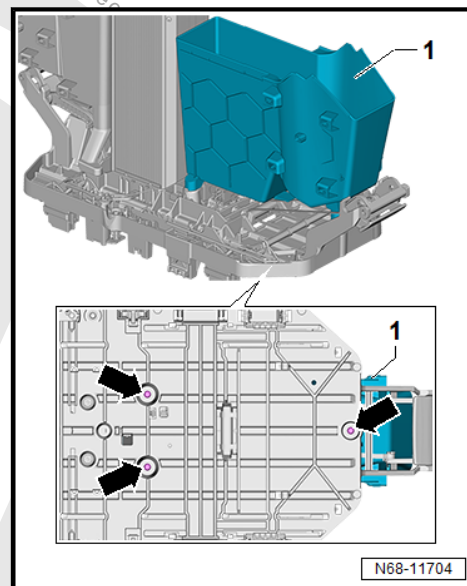
### 3.12.8 Removing and installing rear storage compartment

#### Removing

- Remove side trims ⇒ Rep. gr. 68 ; Removing and installing side trim .



- Unscrew bolts -arrows-.
- Remove rear storage compartment -1-.



### Installing

Install in reverse order of removal, observing the following:

### Tightening torques

♦ ⇒ Rep. gr. 68 ; Assembly overview - multifunction table

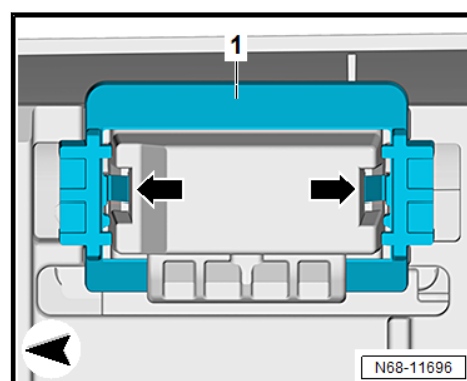
### 3.12.9 Removing and installing spacer

Removal and installation are described for one spacer as an example.

### Removing

- Remove multifunction table ⇒ Rep. gr. 68 ; Removing and installing multifunction table .

- Release locking devices -arrows- using a commercially available screwdriver.
- Operate locking element of multifunction table.
- Pull off spacer -1-.





## Installing

Install in reverse order of removal.

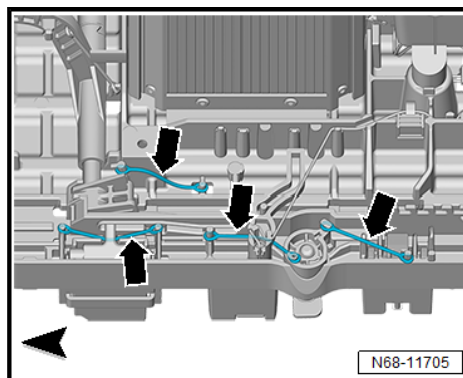
### 3.12.10 Removing and installing spring elements

Removal and installation are described for front left catch as an example.

## Removing

- Remove front storage compartment ⇒ Rep. gr. 68 ; Removing and installing front storage compartment .

- Unhook spring elements -arrows- from mountings, and remove them.



## Installing

Install in reverse order of removal.

### 3.13 Removing and installing bed frame/rack

Removal and installation of the bed frame/rack are described in the ⇒ owner's manual .

### 3.14 Repairing bed frame

#### 3.14.1 Removing and installing support leg

##### Special tools and workshop equipment required

- ◆ Drill, commercially available
- ◆ Pop rivet pliers, commercially available
- ◆ Suitable drill bit 7 mm, commercially available

Removal and installation are described for one component of the bed frame as an example.



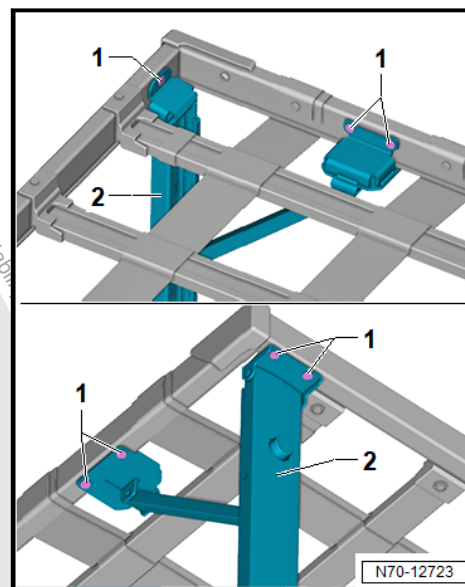
## Removing

- Remove bed frame ➔ [“3.13 Removing and installing bed frame/rack”, page 34](#) .
- Remove bed pad.

### CAUTION

**Risk of injury caused by flying metal shavings.  
Eyes and skin can suffer irritation or injuries.**

- Put on safety goggles.
  - Put on protective gloves.
- 
- Drill out pop rivets -1- using commercially available power drill.
  - Detach support leg -2-.



## Installing

Install in reverse order of removal, observing the following:

- Insert new pop rivets ➔ Electronic parts catalogue (ETKA) using commercially available pop rivet pliers.

### When renewing support leg:

- Remove retaining ring, and pull out axle.
- Turn mounting plate by 180°.
- Fit axle and retaining ring.



## 4 Centre console

### 4.1 Assembly overview - centre console

The overview shows a left-hand drive vehicle as an example.  
For right-hand drive vehicles, the layout is a mirror image.

#### 1 - Centre console

- ☐ ⇒ Rep. gr. 68 ; Removing and installing centre console

#### 2 - Bolt

- ☐ Qty. 8
- ☐ 1.5 Nm

#### 3 - Front storage compartment on centre console

- ☐ ⇒ Rep. gr. 68 ; Removing and installing front centre console storage compartment

#### 4 - Brake

- ☐ Renew only with centre console

#### 5 - Spring

- ☐ Renew only with centre console

#### 6 - Pin

- ☐ Renew only with centre console

#### 7 - Bolt

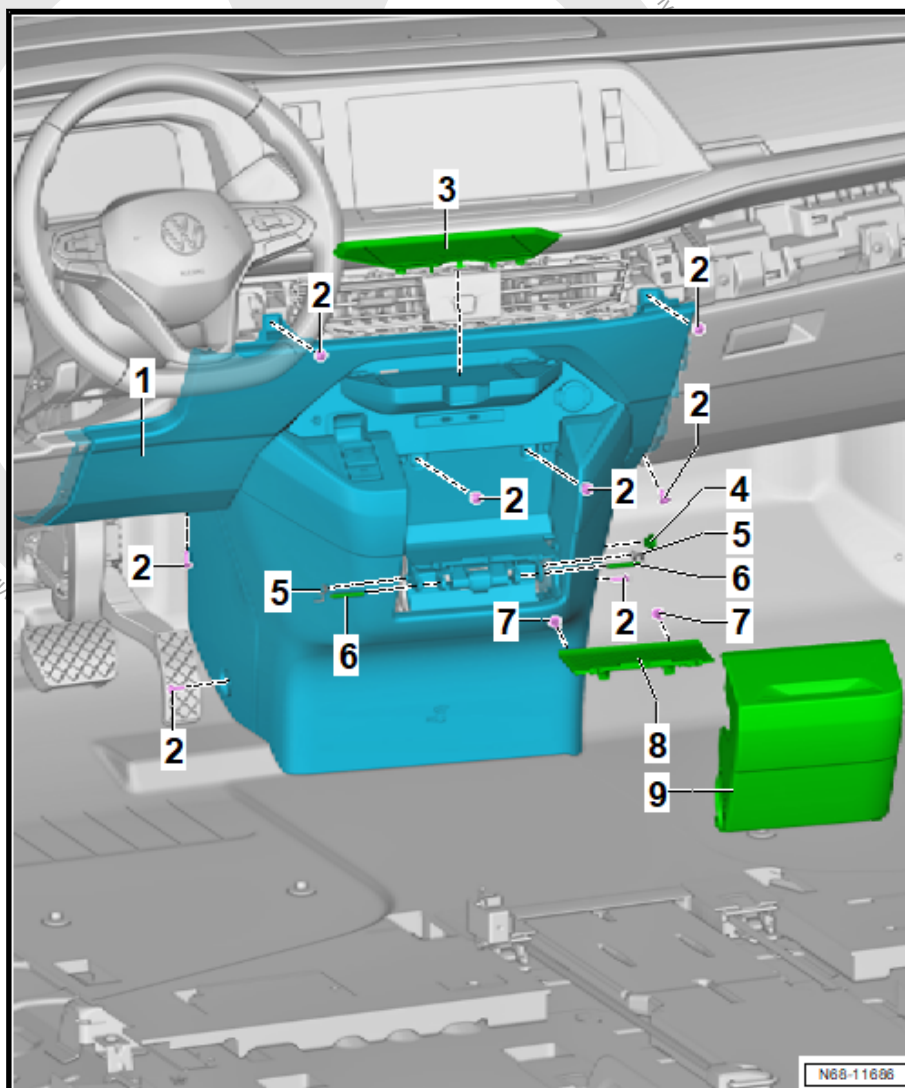
- ☐ Renew only with centre console

#### 8 - Support

- ☐ Renew only with centre console

#### 9 - Cup holder

- ☐ Renew only with centre console

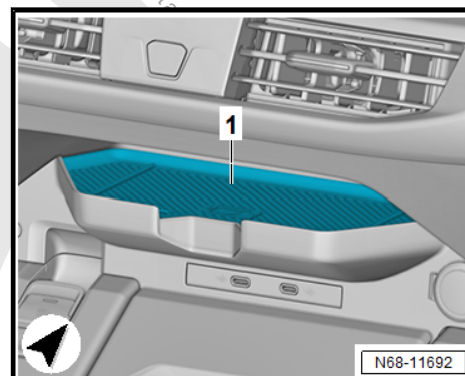




## 4.2 Removing and installing front centre console storage compartment

### Removing

- Use commercially available plastic wedge to unclip centre console front compartment -1-, and remove it.



### Installing

Install in reverse order of removal.

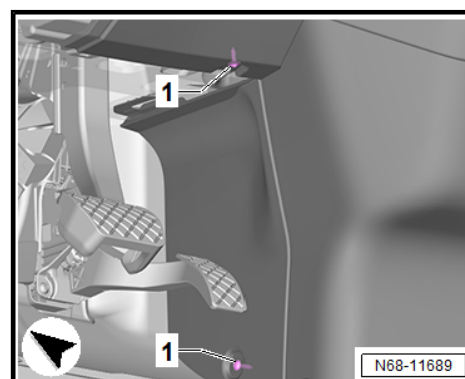
## 4.3 Removing and installing centre console

Removal and installation are described for a left-hand drive vehicle as an example.

### Removing

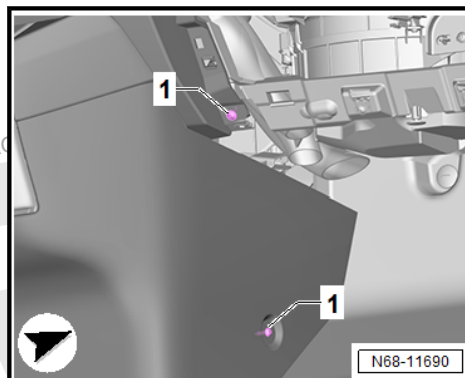
- Remove glove compartment cover ⇒ Rep. gr. 68 ; Removing and installing glove compartment cover .
- Remove dash panel trim on driver side ⇒ Rep. gr. 68 ; Removing and installing dash panel trim on driver side .
- Remove footwell cover on driver side ⇒ Rep. gr. 68 ; Removing and installing footwell cover on driver side .
- Remove footwell cover on front passenger side ⇒ Rep. gr. 68 ; Removing and installing footwell cover on front passenger side .

- Unscrew bolts -1-.

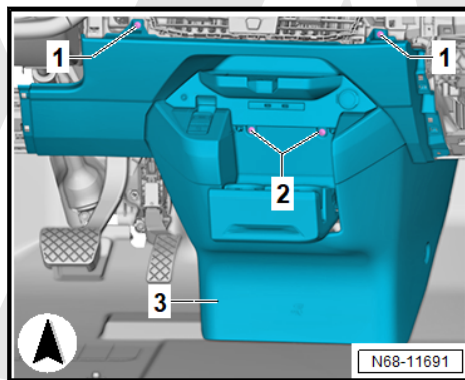




- Unscrew bolts -1-.



- Open cup holder.
- Unscrew bolts -1-.
- Unscrew bolts -2-.
- Pull off centre console -3- far enough to gain access to electrical connectors.
- Disconnect electrical connectors.
- Remove centre console -3-.



## Installing

Install in reverse order of removal, observing the following:

## Tightening torques

- ♦ ⇒ Rep. gr. 68 ; Assembly overview - centre console





## 5 Front centre armrest

### 5.1 Assembly overview ? front centre armrest

The overview is shown for the left side of vehicle as an example.

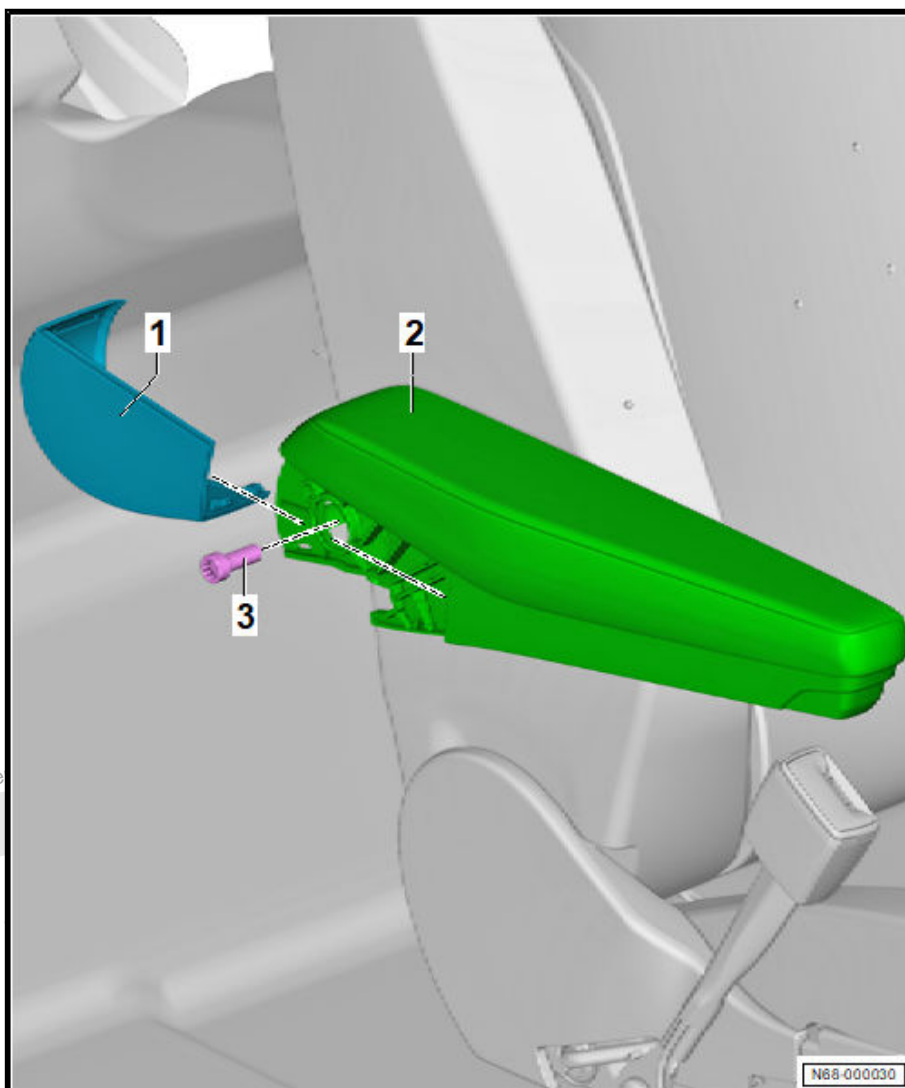
#### 1 - Trim

#### 2 - Front centre armrest

- ☐ ⇒ Rep. gr. 68 ; Removing and installing front centre armrest

#### 3 - Bolt

- ☐ 20 Nm



### 5.2 Removing and installing front centre armrest

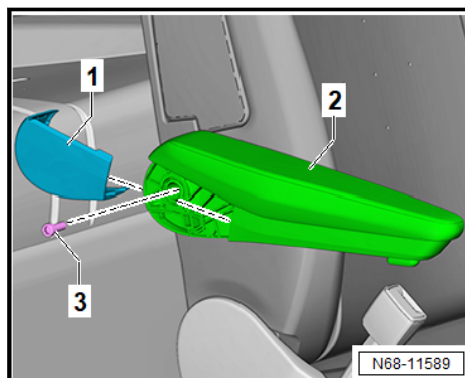
Removal and installation are described for the left side of vehicle as an example.





## Removing

- Using commercially available plastic wedge, unclip trim -1-.
- Unscrew bolt -3-.
- Remove front centre armrest -2-.



## Installing

Install in reverse order of removal, observing the following:

- Make sure that the cover is not trapped.

## Tightening torques

- ◆ ⇒ Rep. gr. 68 ; Assembly overview – front centre armrest

## 6 Interior mirror

### 6.1 Assembly overview – interior mirror

#### 1 - Bracket

- ☐ To be renewed with windscreen only

#### 2 - Trim

#### 3 - Cover for driver assist systems

- ☐ ⇒ Rep. gr. 68 ; Removing and installing cover for driver assist systems

#### 4 - Bolt

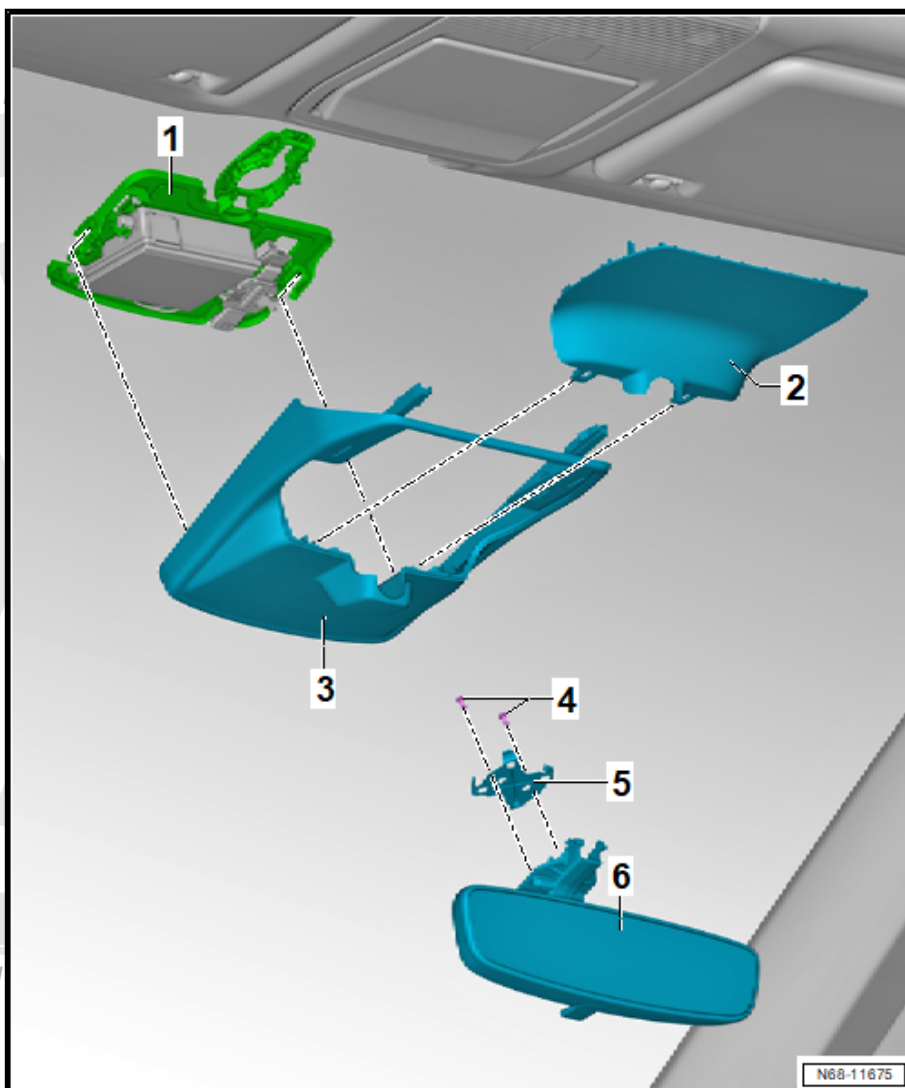
- ☐ Qty. 2
- ☐ 1.5 Nm

#### 5 - Spring clip

- ☐ For allocation, refer to ⇒ Electronic parts catalogue (ETKA)
- ☐ Renew after removing

#### 6 - Interior mirror

- ☐ ⇒ Rep. gr. 68 ; Removing and installing interior mirror



### 6.2 Removing and installing interior mirror

#### NOTICE

- Risk of damage from escaping electrolyte.  
Liquid electrolyte can damage plastic surfaces.
- Cover plastic surfaces.



## Removing

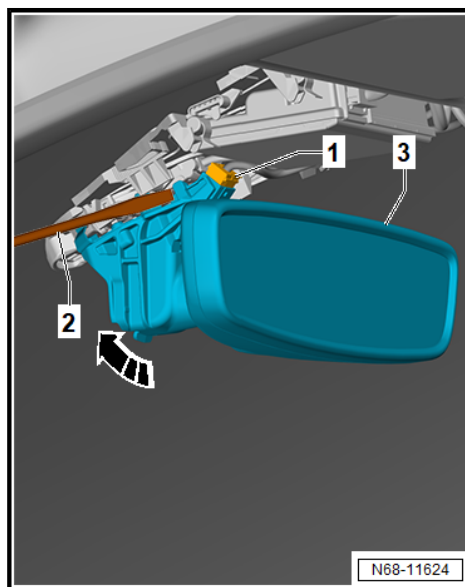
- Remove cover for driver assist systems ⇒ Rep. gr. 68 ;  
Removing and installing cover for driver assist systems .

- Disconnect electrical connector -1-.

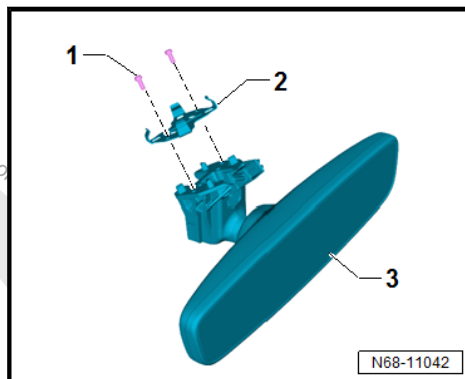
### NOTICE

**Risk of window damage from screwdriver/drift.**

- **Leave screwdriver/drift in place when turning.**
- **Do not use screwdriver/drift as a lever.**
- Insert commercially available screwdriver -2- or commercial-ly available drift of 4.5 mm in diameter into gap.
- Turn interior mirror -3- at mirror base 20° in direction of -arrow- and pull off downwards.



- Unscrew bolts -1-.
- Remove spring clip -2-.



## Installing

Install in reverse order of removal, observing the following:

- Make sure that the interior mirror is aligned parallel with the retaining plate.
- Turn interior mirror clockwise until it can be heard to engage.



## Tightening torques

◆ ⇒ Rep. gr. 68 ; Assembly overview – interior mirror





## 69 – Passenger protection

### 1 Safety information and repair notes

#### 1.1 Safety information

Observe safety information ⇒ Safety information and repair notes; Rep. gr. 00 ; Safety information .

#### 1.2 Repair instructions

Observe repair instructions ⇒ Safety and repair instructions; Rep. gr. 00 ; Repair instructions .



## 2 Seat belts

### 2.1 Assembly overview – front three-point seat belt

The overview is shown for the left side of the vehicle as an example.







#### 1 - Bolt

- 20 Nm

#### 2 - Belt height adjustment

- ⇒ Rep. gr. 69 ; Removing and installing belt height adjuster

#### 3 - Front three-point seat belt

- Electrically reversible, depending on equipment/installation period
- Left-hand drive vehicles: front left seat belt - NX10- with driver seat belt tensioner igniter 1 - N153- and control unit for front left belt tensioner - J854-
- Right-hand drive vehicles: front left seat belt - NX10- with front passenger seat belt tensioner igniter 1 - N154- and control unit for front left belt tensioner - J854-
- ⇒ Rep. gr. 69 ; Removing and installing front three-point seat belt

#### 4 - Bolt

- 8 Nm

#### 5 - Belt end fitting tensioner

- With igniter for driver-side seat belt tensioner 2 - N297- or igniter for front passenger side seat belt tensioner 2 - N298-

#### 6 - Bolt

- 40 Nm

#### 7 - Bolt

- 40 Nm

#### 8 - Spreader rivet

- Depending on equipment/installation period

#### 9 - Bolt

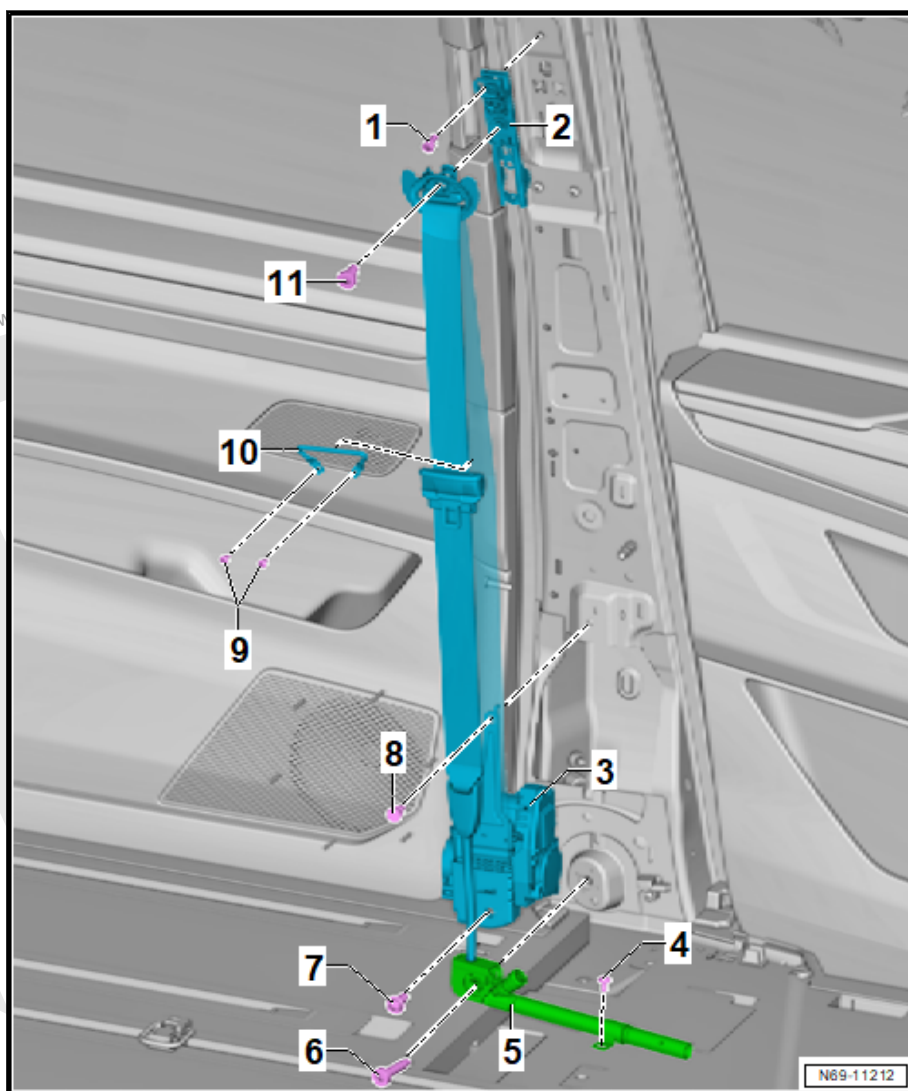
- Qty. 2
- 4.5 Nm

#### 10 - Front belt guide

- ⇒ Rep. gr. 69 ; Removing and installing front belt guide

#### 11 - Bolt

- 40 Nm





## 2.2 Assembly overview – rear outer three-point seat belt

### 2.2.1 Assembly overview – rear outer three-point seat belt, 2nd seat row

The overview is shown for the left side of the vehicle as an example.

#### 1 - Bolt

- 40 Nm

#### 2 - Outer rear three-point seat belt

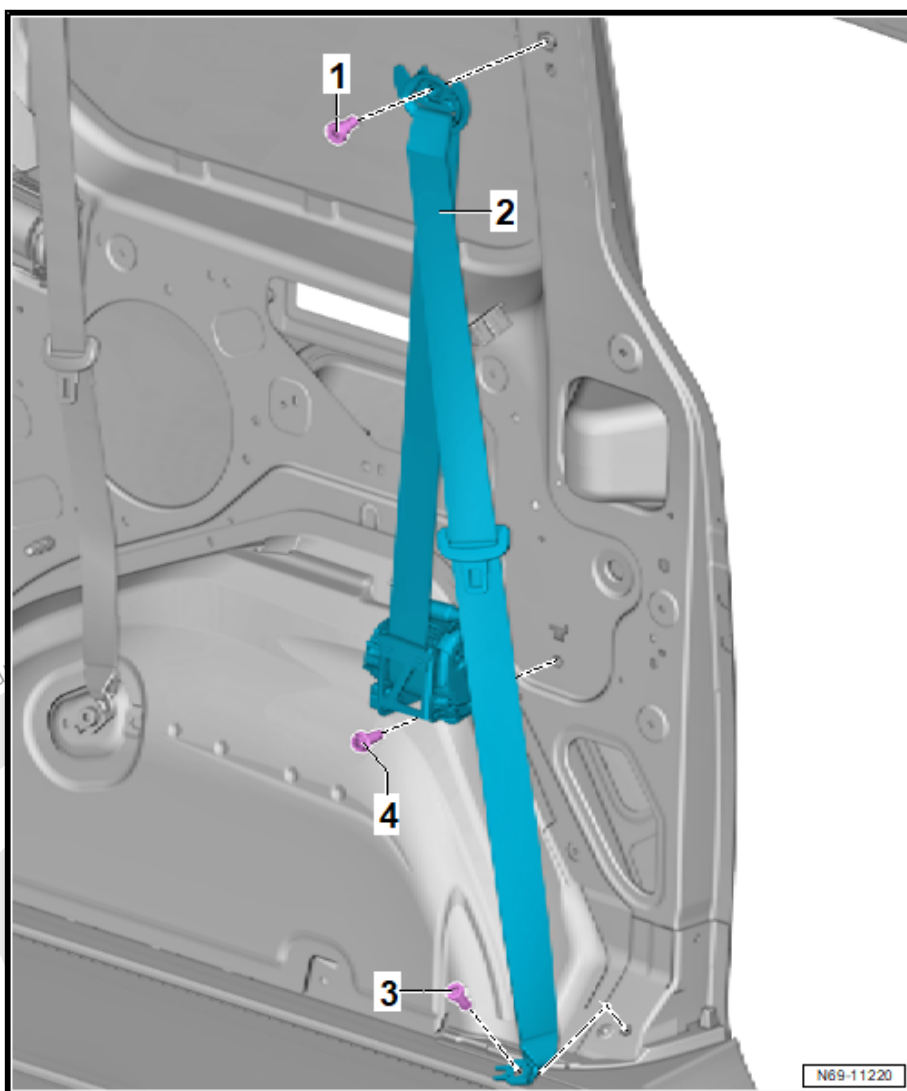
- With rear belt tensioner igniter on driver side - N196- or rear belt tensioner igniter on passenger side - N197-
- ⇒ Rep. gr. 69 ; Removing and installing rear outer three-point seat belt

#### 3 - Bolt

- 40 Nm

#### 4 - Bolt

- 40 Nm



### 2.2.2 Assembly overview – rear outer three-point seat belt, 3rd seat row

Overview shown for left side of vehicle as an example



**1 - Nut**

- ❑ 40 Nm

**2 - Outer rear three-point seat belt**

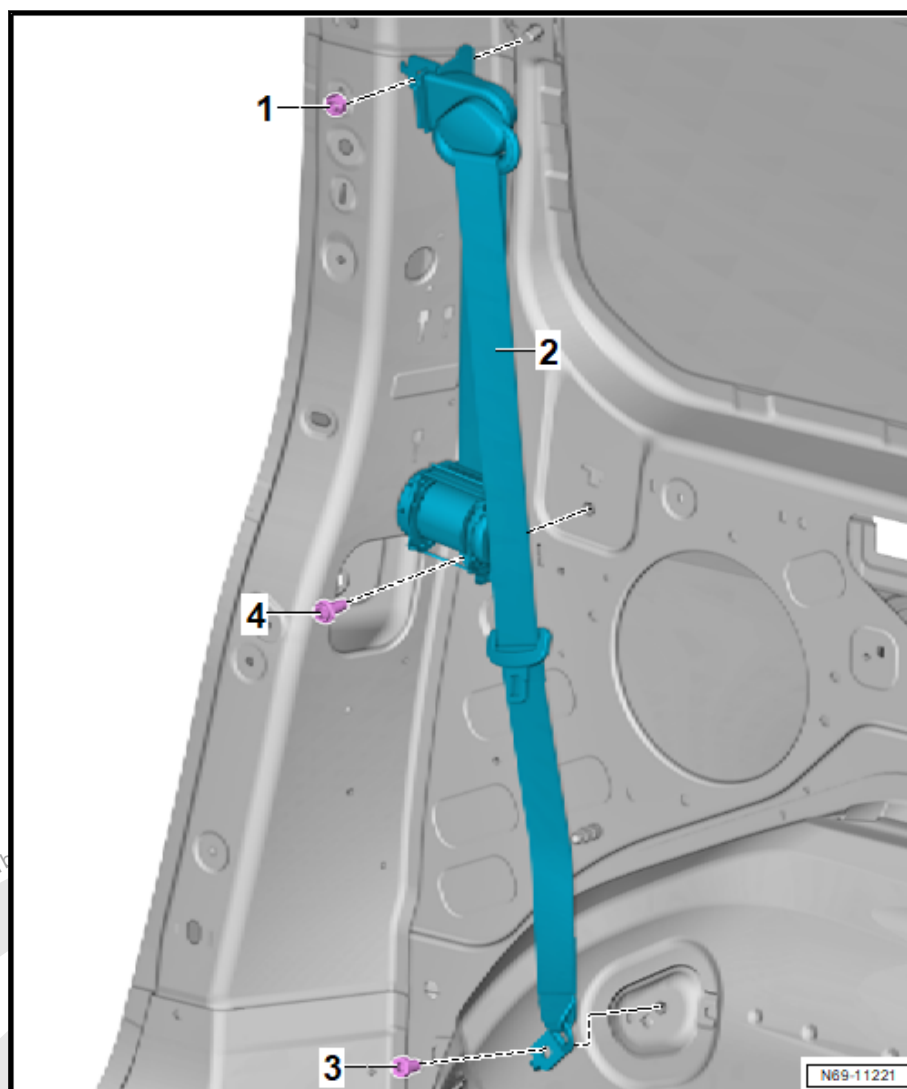
- ❑ Depending on equipment/installation period
- ❑ With igniter for driver side seat belt tensioner, seat row 3 - N668- or igniter for passenger side seat belt tensioner, seat row 3 - N669-
- ❑ ⇒ Rep. gr. 69 ; Removing and installing rear outer three-point seat belt

**3 - Bolt**

- ❑ 40 Nm

**4 - Bolt**

- ❑ 40 Nm



## 2.3 Assembly overview – rear centre three-point seat belt

Seat with integrated three-point seat belt



**1 - Belt guide cover**

- ➔ Rep. gr. 72 ; Removing and installing seat trim

**2 - Bolt**

- 40 Nm

**3 - Belt guide**

**4 - Pop rivet**

- Qty. 2

**5 - Rear centre three-point seat belt**

- ➔ Rep. gr. 69 ; Removing and installing rear centre three-point seat belt

**6 - Pop rivet**

- Qty. 2

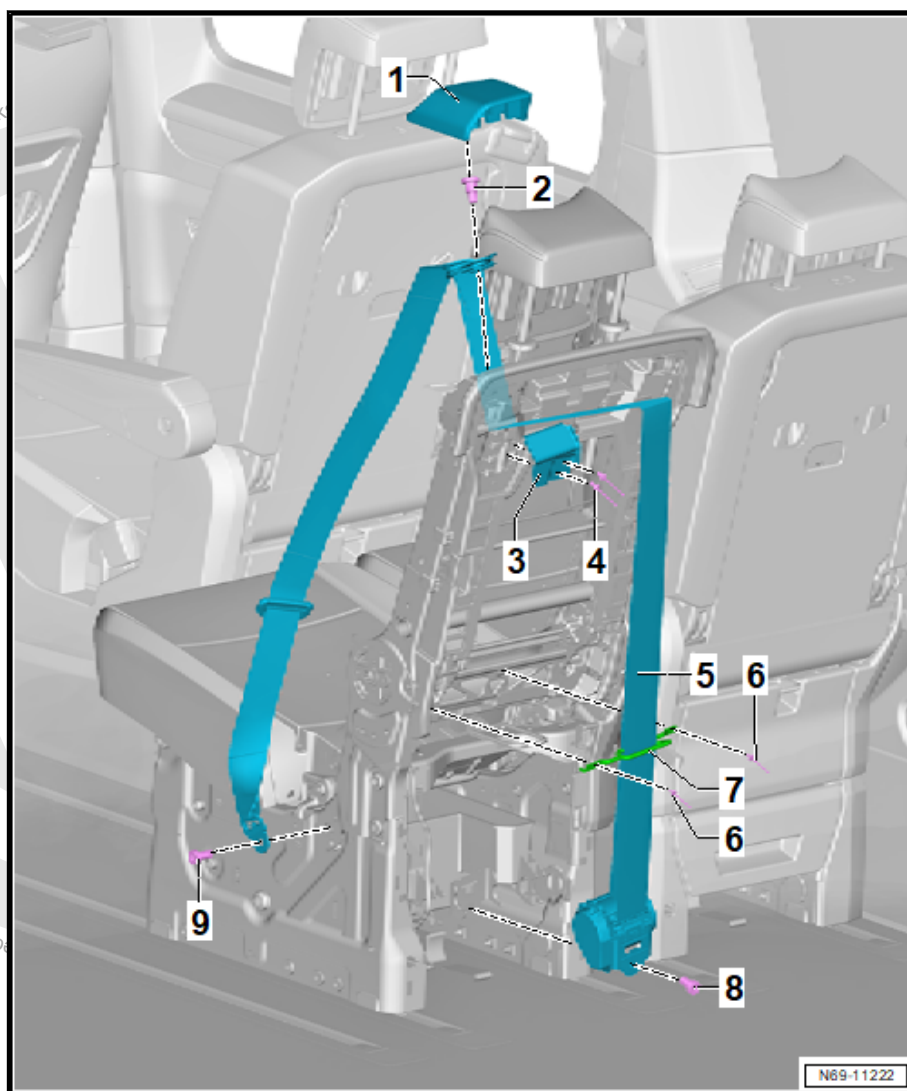
**7 - Belt guide**

**8 - Bolt**

- 40 Nm

**9 - Bolt**

- 40 Nm



## 2.4 Assembly overview – front belt buckle

Overview is shown for left side of vehicle as an example.



## 1 - Front seat

- ❑ ⇒ Rep. gr. 72 ; Assembly overview – front seat
- ❑ ⇒ Rep. gr. 72 ; Removing and installing front seat

## 2 - Front belt buckle

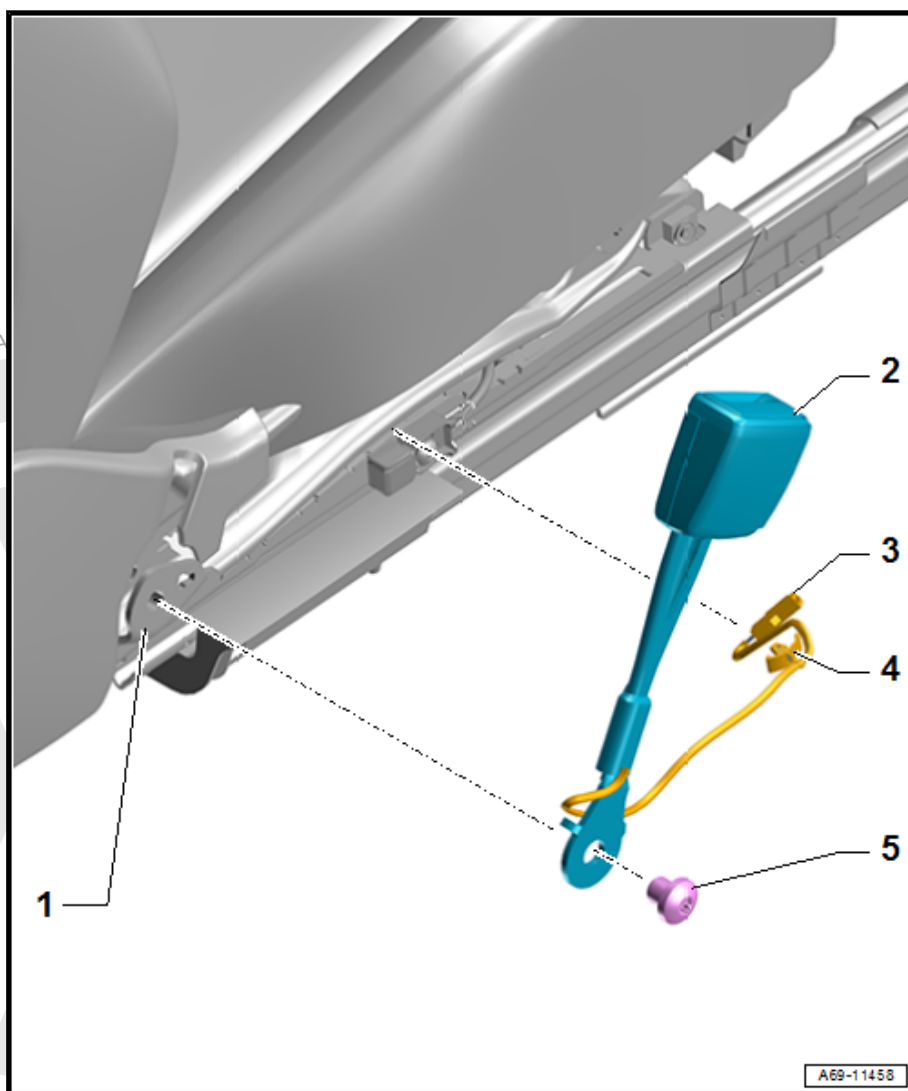
- ❑ With driver side belt switch - E24- or front passenger side belt switch - E25-
- ❑ ⇒ Rep. gr. 69 ; Removing and installing front belt buckle

## 3 - Electrical connector

## 4 - Bracket

## 5 - Bolt

- ❑ Renew after removing
- ❑ 40 Nm



## 2.5 Assembly overview – rear belt buckle

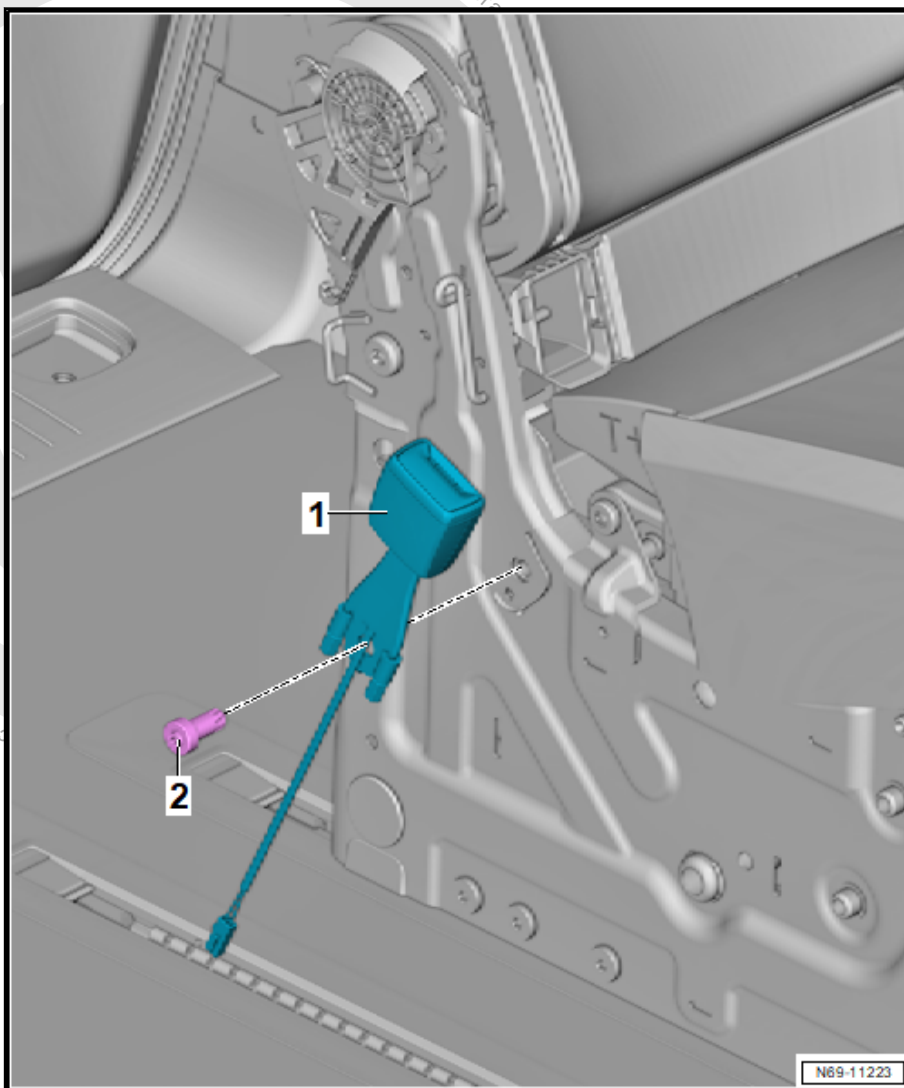
### 2.5.1 Assembly overview - rear belt buckle, outer

### 1 - Rear outer belt buckle

- ☐ With belt switch for seat row 2, right - F487- or belt switch for seat row 2, left - F488-
- ☐ With belt switch for seat row 3, rear left - E750- or belt switch for seat row 3, rear right - E751-
- ☐ ⇒ Rep. gr. 69 ; Removing and installing rear belt buckle

### 2 - Bolt

- ☐ 40 Nm



## 2.5.2 Assembly overview – rear belt buckle, centre



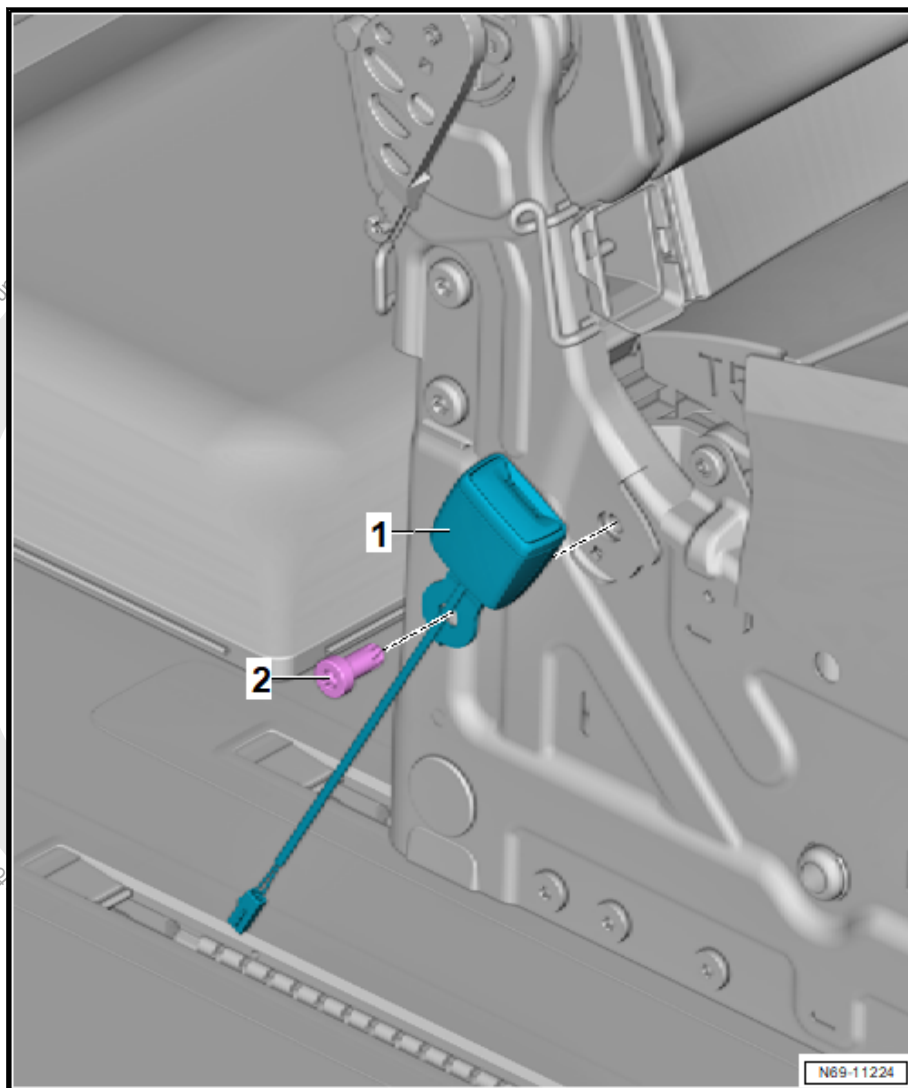


### 1 - Rear centre belt buckle

- ❑ With belt switch for seat row 3, middle - F394-
- ❑ ⇒ Rep. gr. 69 ; Removing and installing rear belt buckle

### 2 - Bolt

- ❑ 40 Nm



## 2.6 Removing and installing front three-point seat belt [NX10]/[NX11]

Front left seat belt - NX10- and front right seat belt - NX11- are referred to hereafter as three-point seat belt.

Removal and installation are described for left side of vehicle as an example.

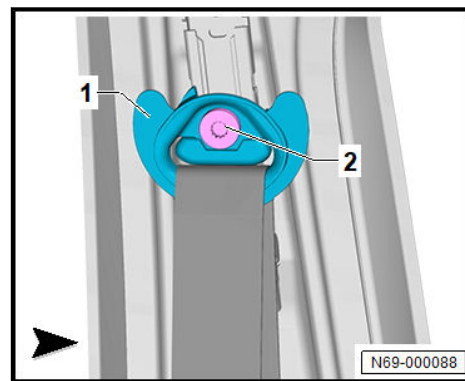
### Removing

- Disconnect battery earth cable ⇒ Electrical system; Rep. gr. 27 ; Battery; Disconnecting and connecting battery .
- Remove front belt guide ⇒ Rep. gr. 69 ; Removing and installing front belt guide .
- Remove lower B-pillar trim ⇒ Rep. gr. 70 ; Removing and installing lower B-pillar trim .





- Unscrew bolt -2-.
- Remove belt guide fitting -1- with belt webbing.



### ⚠ CAUTION

It is possible to trigger pyrotechnic components unintentionally.

**Risk of injury**

- Discharge static electricity by briefly touching door striker plate.

### ⓘ NOTICE

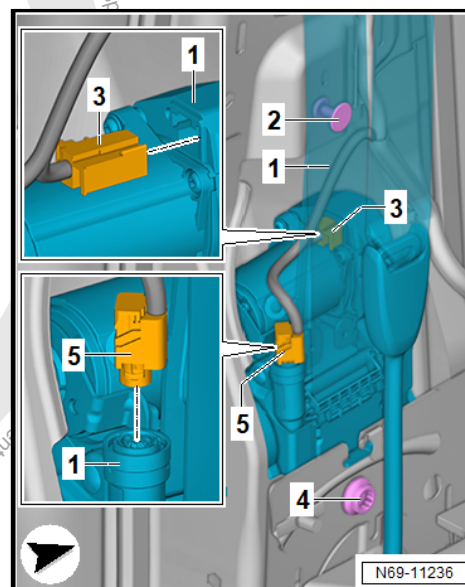
**Risk of irreparable damage due to electrostatic discharge.**

- Do not touch connector contacts with your hands.
- Touch the lifting platform or other earthed object to discharge static electricity.
- Disconnect electrical connector -5-, releasing securing clip with a small commercially available screwdriver when doing so.
- Disconnect electrical connectors -3-.

### Note

Diagram shows a vehicle with reversible belt tensioner.

- Unclip spreader rivets -2-.
- Unscrew bolt -4-.
- Remove front three-point seat belt -1-.



## Installing

Install in reverse order of removal, observing the following:



### ⚠ CAUTION

It is possible to trigger pyrotechnic components unintentionally.

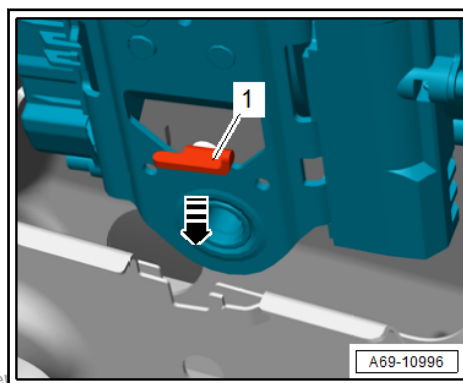
Risk of injury

- Discharge static electricity by briefly touching door striker plate.

### ⓘ NOTICE

Risk of irreparable damage due to electrostatic discharge.

- Do not touch connector contacts with your hands.
- Touch the lifting platform or other earthed object to discharge static electricity.
- Insert front three-point seat belt with anti-twist protection -1- into mounting in direction of -arrow-, and tighten bolt.



- Connect battery earth cable ⇒ Electrical system; Rep. gr. 27 ; Battery; Disconnecting and connecting battery .

### ⚠ CAUTION

Pyrotechnic components can trigger unintentionally.

Risk of injury.

- Keep far away from pyrotechnic components when switching on ignition.
- Switch on ignition.

Vehicles with control unit for front left belt tensioner - J854- or control unit for front right belt tensioner - J855-

When front three-point automatic seat belt has been renewed:

- Carry out function “Adapt control unit” using ⇒ Vehicle diagnostic tester ⇒ Rep. gr. 00 ; Access to diagnoses .



## All vehicles (continued)

### Tightening torques

- ◆ ⇒ Rep. gr. 69 ; Assembly overview – front three-point seat belt

## 2.7 Removing and installing rear three-point seat belt

### 2.7.1 Removing and installing rear three-point seat belt, 2nd row

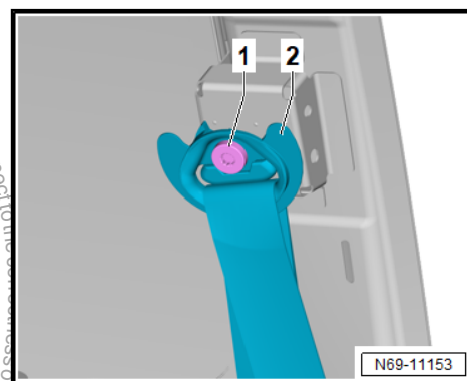
Rear three-point seat belt with rear belt tensioner igniter on driver side - N196- and rear belt tensioner igniter on passenger side - N197- will henceforth be referred to as “three-point seat belt”.

Removal and installation are described for left side of vehicle as an example.

#### Removing

- Disconnect battery earth cable ⇒ Electrical system; Rep. gr. 27 ; Battery; Disconnecting and connecting battery .
- Remove side trim ⇒ Rep. gr. 70 ; Removing and installing side trim .

- Unscrew bolt -1-.
- Remove belt guide fitting -2-.



#### CAUTION

It is possible to trigger pyrotechnic components unintentionally.

#### Risk of injury

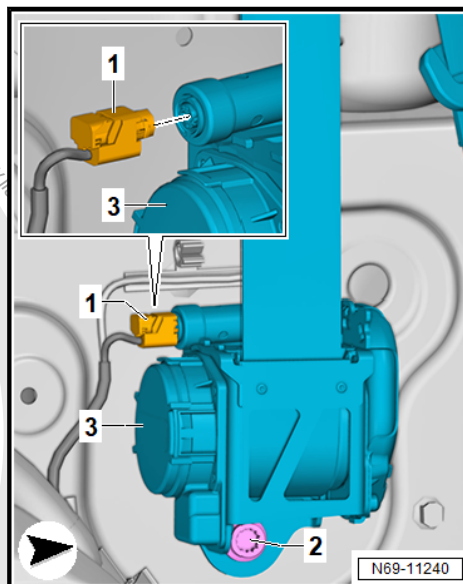
- Discharge static electricity by briefly touching door striker plate.



**NOTICE**

**Risk of irreparable damage due to electrostatic discharge.**

- Do not touch connector contacts with your hands.
- Touch the lifting platform or other earthed object to discharge static electricity.
- Disconnect electrical connector -1-, releasing securing clip with a small commercially available screwdriver when doing so.
- Unscrew bolt -2-.
- Remove rear three-point seat belt -3-.



**Installing**

Install in reverse order of removal, observing the following:

- Connect battery earth cable ⇒ Electrical system; Rep. gr. 27 ; Battery; Disconnecting and connecting battery .

**CAUTION**

**Pyrotechnic components can trigger unintentionally.**

**Risk of injury.**

- Keep far away from pyrotechnic components when switching on ignition.
- Switch on ignition.

**Tightening torques**

- ♦ ⇒ Rep. gr. 69 ; Assembly overview – rear outer three-point seat belt

## 2.7.2 Removing and installing rear three-point seat belt, 3rd seat row

Rear three-point seat belt with igniter for driver side seat belt tensioner, seat row 3 - N668- and igniter for passenger side



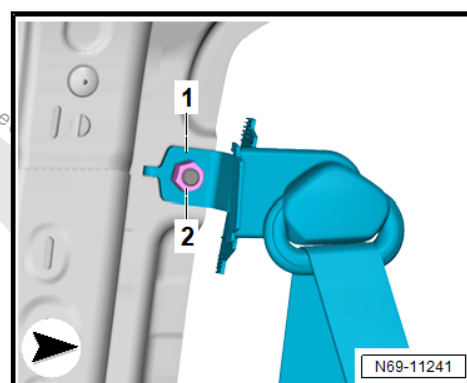
seat belt tensioner, seat row 3 - N669- will henceforth be referred to as "three-point seat belt".

Removal and installation are described for left side of vehicle as an example.

## Removing

- Disconnect battery earth cable ⇒ Electrical system; Rep. gr. 27 ; Battery; Disconnecting and connecting battery .
- Remove side trim ⇒ Rep. gr. 70 ; Removing and installing side trim .

- Unscrew nut -2-.
- Remove belt guide fitting -1-.



### CAUTION

It is possible to trigger pyrotechnic components unintentionally.

**Risk of injury**

- Discharge static electricity by briefly touching door striker plate.

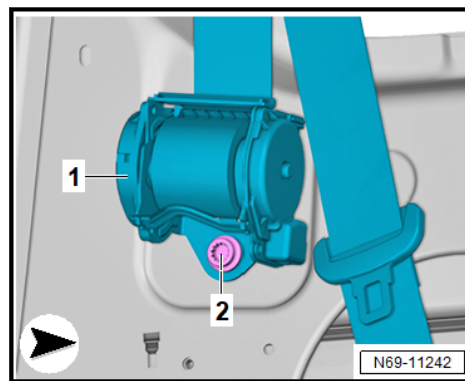
### NOTICE

**Risk of irreparable damage due to electrostatic discharge.**

- Do not touch connector contacts with your hands.
- Touch the lifting platform or other earthed object to discharge static electricity.



- Disconnect electrical connector, releasing securing clip with a small commercially available screwdriver when doing so.
- Unscrew bolt -2-.
- Remove rear three-point seat belt -1-.



## Installing

Install in reverse order of removal, observing the following:

- Connect battery earth cable ⇒ Electrical system; Rep. gr. 27 ; Battery; Disconnecting and connecting battery .

### CAUTION

**Pyrotechnic components can trigger unintentionally.**

**Risk of injury.**

- **Keep far away from pyrotechnic components when switching on ignition.**

- Switch on ignition.

## Tightening torques

- ♦ ⇒ Rep. gr. 69 ; Assembly overview – rear outer three-point seat belt

### 2.7.3 Removing and installing rear three-point seat belt, centre

#### Note

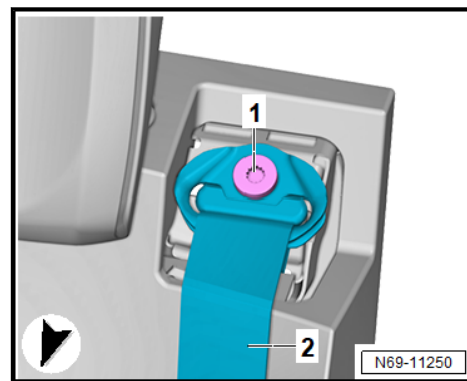
Seat with integrated three-point seat belt

## Removing

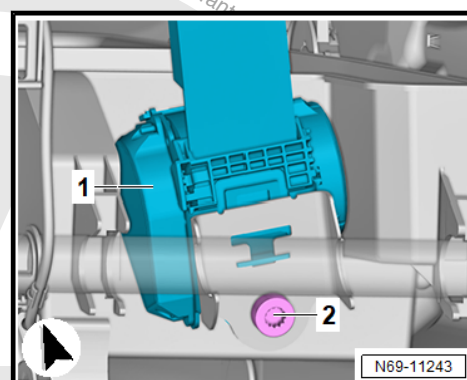
- Remove cover and padding of rear seat backrest ⇒ Rep. gr. 74 ; Removing and installing cover and padding of rear seat backrest .
- Remove adapter for back panel trim ⇒ Rep. gr. 72 ; Removing and installing back panel trim .



- Unscrew bolt -1-.
- Remove belt guide fitting -2-.



- Unscrew bolt -2-.
- Remove three-point automatic seat belt -1-.



## Installing

Install in reverse order of removal, observing the following:

- Guide three-point seat belt through backrest frame and adapter for back panel trim.
- Guide three-point seat belt through backrest foam.

## Tightening torques

- ◆ ⇒ Rep. gr. 69 ; Assembly overview – rear centre three-point seat belt

## 2.8 Removing and installing front belt guide

Removal and installation are described for left side of vehicle as an example.

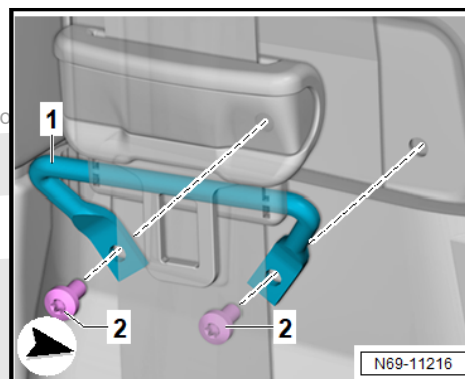




## Removing

- Remove upper B-pillar trim ➔ Rep. gr. 70 ; Removing and installing upper B-pillar trim .

- Unscrew bolts -2-, and remove front belt guide -1-.



## Installing

Install in reverse order of removal, observing the following:

## Tightening torques

- ♦ ➔ Rep. gr. 69 ; Assembly overview – front three-point seat belt

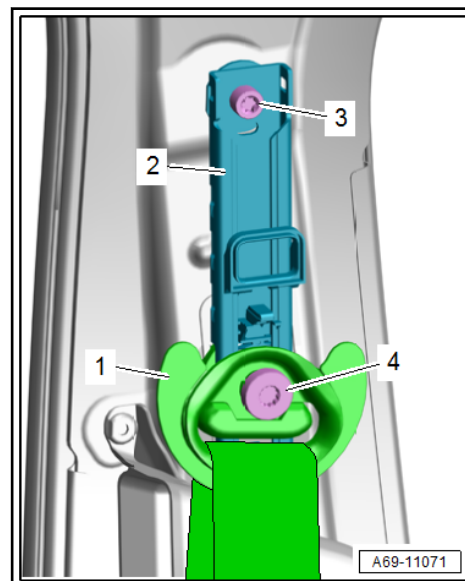
## 2.9 Removing and installing belt height adjuster

### Removing

- Remove upper B-pillar trim ➔ Rep. gr. 70 ; Removing and installing upper B-pillar trim .



- Move belt height adjustment slider -2- to lowest position.
- Unscrew bolt -4-.
- Remove belt guide fitting -1-.
- Unscrew bolt -3-.
- Pull belt height adjuster -2- upwards off B-pillar.



## Installing

Install in reverse order of removal, observing the following:

### Note

Belt height adjusters ordered as replacement parts always come with the adjustment slider set to the lowest position (assembly position).

### Note

If a previously removed belt height adjuster is reinstalled, the adjustment slider must be moved to the lowest position (assembly position) before installing.

### Note

The belt height adjuster must engage audibly in every possible position.

### Note

The belt guide fitting must move to the vertical or operated position on its own as soon as the bolt has been tightened.

## Tightening torques

- ◆ ⇒ Rep. gr. 69 ; Assembly overview – front three-point seat belt

## 2.10 Removing and installing front belt buckle

Front belt buckle with driver-side belt switch - E24- or front passenger-side belt switch - E25- will henceforth be referred to as "front belt buckle".

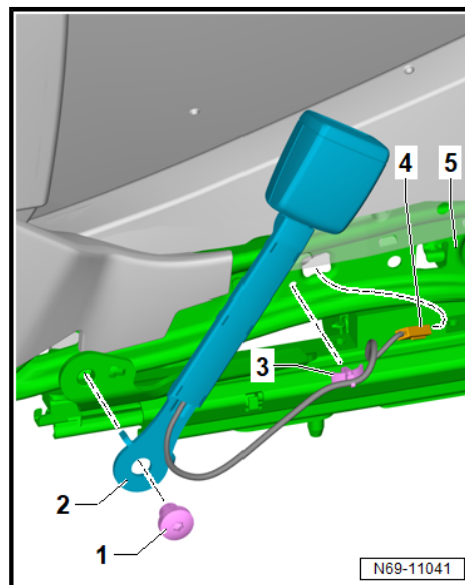
Removal and installation are described for left side of vehicle as an example.



## Removing

- Remove front seat ⇒ Rep. gr. 72 ; Removing and installing front seat .
- Remove inner seat trim ⇒ Rep. gr. 72 ; Removing and installing inner seat trim .

- Release clip -3-.
- Disconnect electrical connector -4-.
- Unscrew bolt -1-.
- Remove front belt buckle -2-.



## Installing

Install in reverse order of removal, observing the following:

- Position belt buckle in such a way that anti-twist protection engages in recess in seat frame.

## Tightening torques

- ♦ ⇒ Rep. gr. 69 ; Assembly overview – front belt buckle

## 2.11 Removing and installing rear belt buckle

The rear right belt buckle with belt switch for seat row 2, right - F487- , rear left belt buckle with belt switch for seat row 2, left - F488- , rear left belt buckle with belt switch for seat row 3, rear left - E750- , rear right belt buckle with belt switch for seat row 3, rear right - E751- and rear centre belt buckle with belt switch for seat row 3, centre - F394- will henceforth be referred to as "belt buckle".

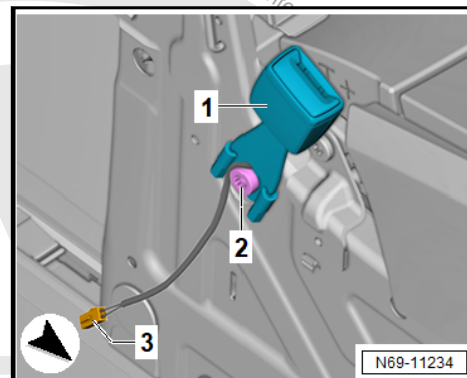
Removal and installation are described for one belt buckle as an example.



## Removing

- Remove inner seat trim ⇒ Rep. gr. 72 ; Removing and installing inner seat trim .
- Remove trim at rear of seat ⇒ Rep. gr. 72 ; Removing and installing seat trim .

- Disconnect electrical connector -3-.
- Unscrew bolt -2-.
- Remove belt buckle -1-.



## Installing

Install in reverse order of removal, observing the following:

## Tightening torques

- ◆ ⇒ Rep. gr. 69 ; Assembly overview – rear belt buckle



### 3 Airbag control unit

#### 3.1 Assembly overview – airbag control unit

**1 - Electrical connector**

**2 - Cap nut**

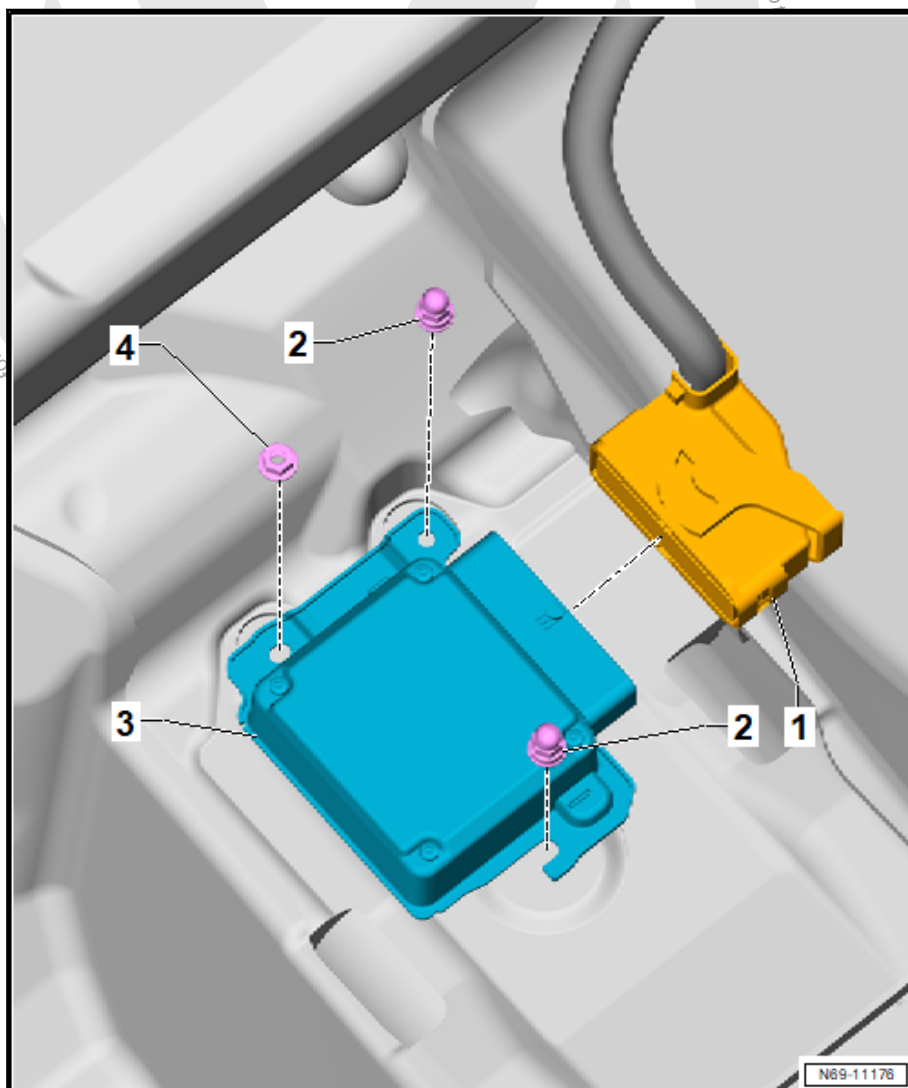
- Qty. 2
- 9 Nm

**3 - Airbag control unit - J234-**

- Earth connection to body via housing
- ⇒ Rep. gr. 69 ; Removing and installing airbag control unit [J234]

**4 - Nut**

- 9 Nm



#### 3.2 Removing and installing airbag control unit [J234]

##### Removing

If the airbag control unit - J234- has been renewed, conclude the test plan for the renewal of the control unit:

- Carry out function “Renew control unit” using ⇒ Vehicle diagnostic tester ⇒ Rep. gr. 00 ; Access to diagnoses .



## Continued

- Disconnect battery earth cable ⇒ Electrical system; Rep. gr. 27 ; Battery; Disconnecting and connecting battery .
- Remove centre console ⇒ Rep. gr. 68 ; Removing and installing centre console .

### CAUTION

It is possible to trigger pyrotechnic components unintentionally.

Risk of injury

- Discharge static electricity by briefly touching door striker plate.

### NOTICE

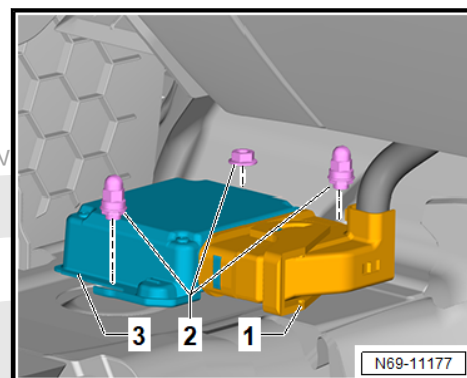
Risk of irreparable damage due to electrostatic discharge.

- Do not touch connector contacts with your hands.
- Touch the lifting platform or other earthed object to discharge static electricity.
- Disconnect electrical connector -1-.
- Unscrew nuts -2-.

### NOTICE

Risk of damage to airbag control unit. Electrical connectors corrode when exposed to moisture.

- After unplugging connectors for control unit, cover them or seal them off to prevent moisture from entering.
- Remove airbag control unit - J234- -3-.



## Installing

Install in reverse order of removal, observing the following:

- Connect electrical connector until it engages audibly.
- Connect battery earth cable ⇒ Electrical system; Rep. gr. 27 ; Battery; Disconnecting and connecting battery .

### CAUTION

Pyrotechnic components can trigger unintentionally.

Risk of injury.

- Keep far away from pyrotechnic components when switching on ignition.
- Switch on ignition.



- Read and clear event memory using ⇒ Vehicle diagnostic tester.
- 

**If the airbag control unit - J234- has been renewed, conclude the test plan for the renewal of the control unit:**

- Carry out function “Renew control unit” using ⇒ Vehicle diagnostic tester ⇒ Rep. gr. 00 ; Access to diagnoses.
- 

**Continued**

**Tightening torques**

- ♦ ⇒ Rep. gr. 69 ; Assembly overview – airbag control unit



## 4 Front airbag, driver side

### 4.1 Assembly overview – front airbag, driver side

The overview shows a left-hand drive vehicle as an example.  
For right-hand drive vehicles, the layout is a mirror image.

#### 1 - Steering column electronics control unit - J527-

- ❑ With airbag coil connector and return ring with slip ring - F138-
- ❑ ⇒ Electrical system; Rep. gr. 94 ; Steering column switch module; Removing and installing steering column electronics control unit [J527]

#### 2 - Steering wheel

- ❑ ⇒ Running gear, axles, steering; Rep. gr. 48 ; Steering wheel; Removing and installing steering wheel

#### 3 - Bolt

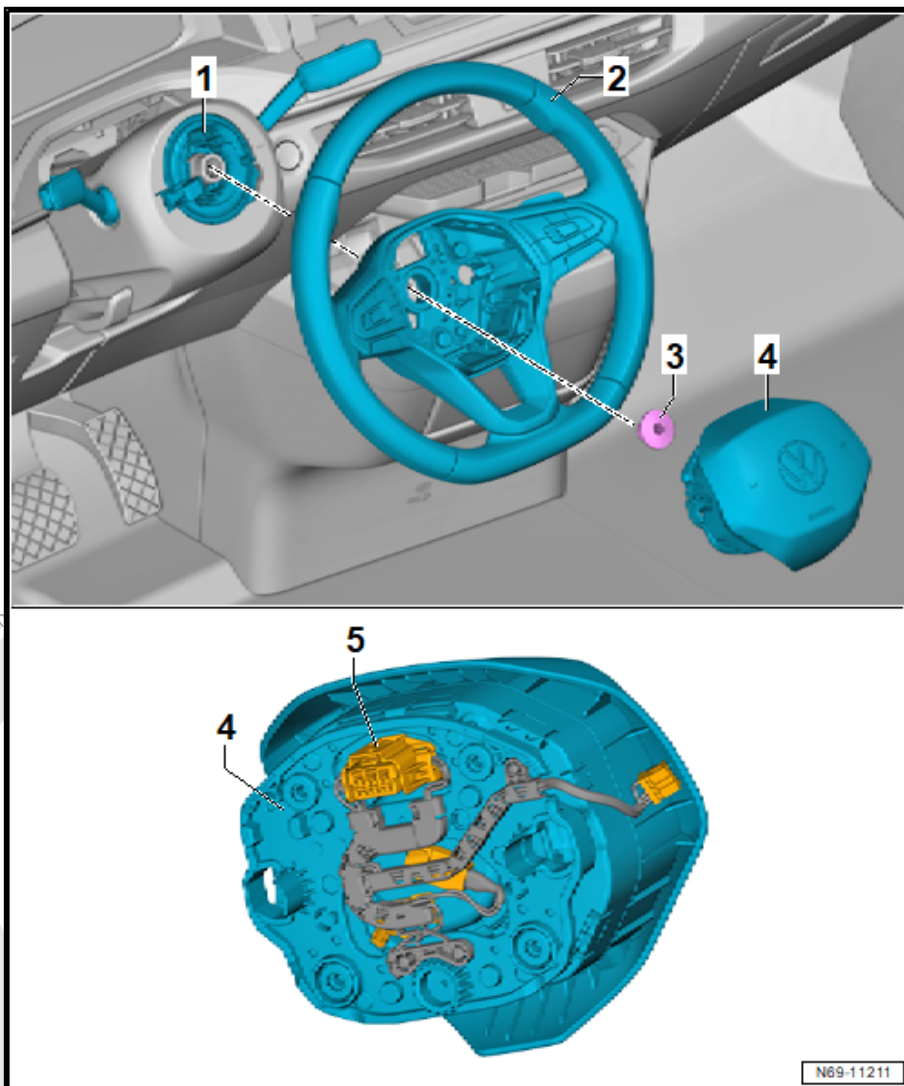
- ❑ Tightening torque  
⇒ Running gear, axles, steering; Rep. gr. 48 ; Steering wheel; Assembly overview - steering wheel

#### 4 - Airbag unit

- ❑ With driver side airbag igniter - N95-
- ❑ ⇒ Rep. gr. 69 ; Removing and installing airbag unit with airbag igniter on driver side [N95]

#### 5 - Connector on airbag

- ❑ ⇒ Rep. gr. 69 ; Renewing connector on airbag



### 4.2 Removing and installing airbag unit with airbag igniter on driver side [N95]

#### Special tools and workshop equipment required

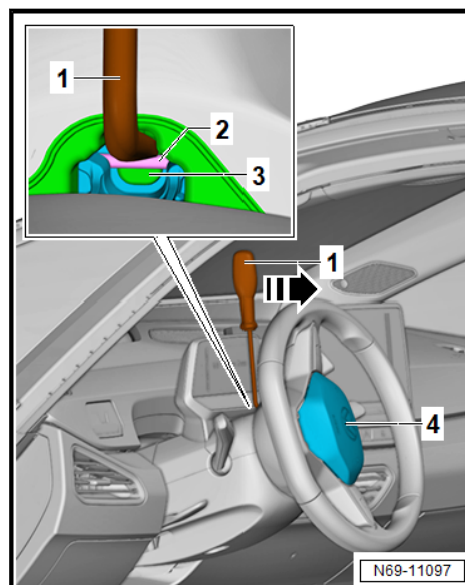
- ◆ release tool - T10610-

Airbag unit with airbag igniter on driver side - N95- is referred to hereafter as airbag unit.



## Removing

- Deactivate vehicle's drive system.
  - Turn steering wheel 90° from straight-ahead position.
- 
- Insert release tool - T10610- -1- as far as stop into opening for locking bracket -2-.
  - Pull release tool - T10610- -1- in direction of -arrow- and release locking bracket -2-.



- Turn steering wheel 180°.
- Repeat release procedure.
- Apply light pressure onto airbag unit in order to relieve tension from locking bracket.
- Bring steering wheel to straight-ahead position.
- Disconnect battery earth cable ⇒ Electrical system; Rep. gr. 27 ; Battery; Disconnecting and connecting battery .

### CAUTION

It is possible to trigger pyrotechnic components unintentionally.

#### Risk of injury

- Discharge static electricity by briefly touching door striker plate.

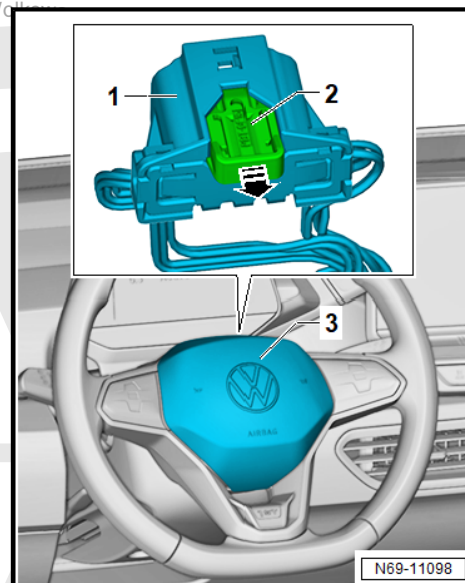
### NOTICE

Risk of irreparable damage due to electrostatic discharge.

- Do not touch connector contacts with your hands.
- Touch the lifting platform or other earthed object to discharge static electricity.



- Pull off airbag unit -3- far enough to gain access to electrical connector -1-.
- Pull out connector lock -2- in direction of -arrow-, press it down, and disconnect electrical connector -1-.



#### **WARNING**

**Risk of injury due to unintended deployment of the airbag unit.**  
– Place the airbag unit with the airbag facing upwards.

- Place airbag unit down.

#### **Installing**

Install in reverse order of removal, observing the following:

#### **CAUTION**

**It is possible to trigger pyrotechnic components unintentionally.**

**Risk of injury**

- Discharge static electricity by briefly touching door striker plate.

#### **NOTICE**

**Risk of irreparable damage due to electrostatic discharge.**

- Do not touch connector contacts with your hands.
- Touch the lifting platform or other earthed object to discharge static electricity.
- Fit electrical connector, and push it in until it audibly engages.
- Secure electrical connector on backside of airbag unit.
- Make sure that no wires are trapped.



- Position airbag unit in steering wheel, and press it on until it engages audibly.
- Connect battery earth cable ⇒ Electrical system; Rep. gr. 27 ; Battery; Disconnecting and connecting battery .

#### **CAUTION**

**Pyrotechnic components can trigger unintentionally.**

**Risk of injury.**

- **Keep far away from pyrotechnic components when switching on ignition.**
- Reactivate vehicle's drive system.
- Read and clear event memory using ⇒ Vehicle diagnostic tester.

### **4.3 Renewing connector on airbag**

The airbag unit with airbag igniter on driver side - N95- will henceforth be referred to as "airbag unit with igniter".

#### **Removing**

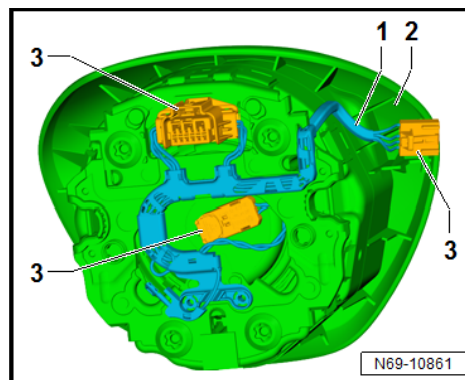
- Remove airbag unit with igniter ⇒ Rep. gr. 69 ; Removing and installing airbag unit with airbag igniter on driver side [N95] .

#### **CAUTION**

**It is possible to trigger pyrotechnic components unintentionally.**

**Risk of injury**

- **Discharge static electricity by briefly touching door striker plate.**
- Unhook wiring harness -1- from airbag unit with igniter -2-.
- Remove wiring harness -1- with electrical connectors -3-.



#### **Installing**

Install in reverse order of removal, observing the following:



**⚠ CAUTION**

It is possible to trigger pyrotechnic components unintentionally.

Risk of injury

- Discharge static electricity by briefly touching door striker plate.

- Push on wiring harness until it can be heard to engage.



## 5 Front passenger airbag

### 5.1 Assembly overview – front passenger airbag

#### 1 - Bracket

- Qty. 2

#### 2 - Dash panel

- ⇒ Rep. gr. 70 ; Assembly overview - dash panel
- ⇒ Rep. gr. 70 ; Removing and installing dash panel

#### 3 - Bolt

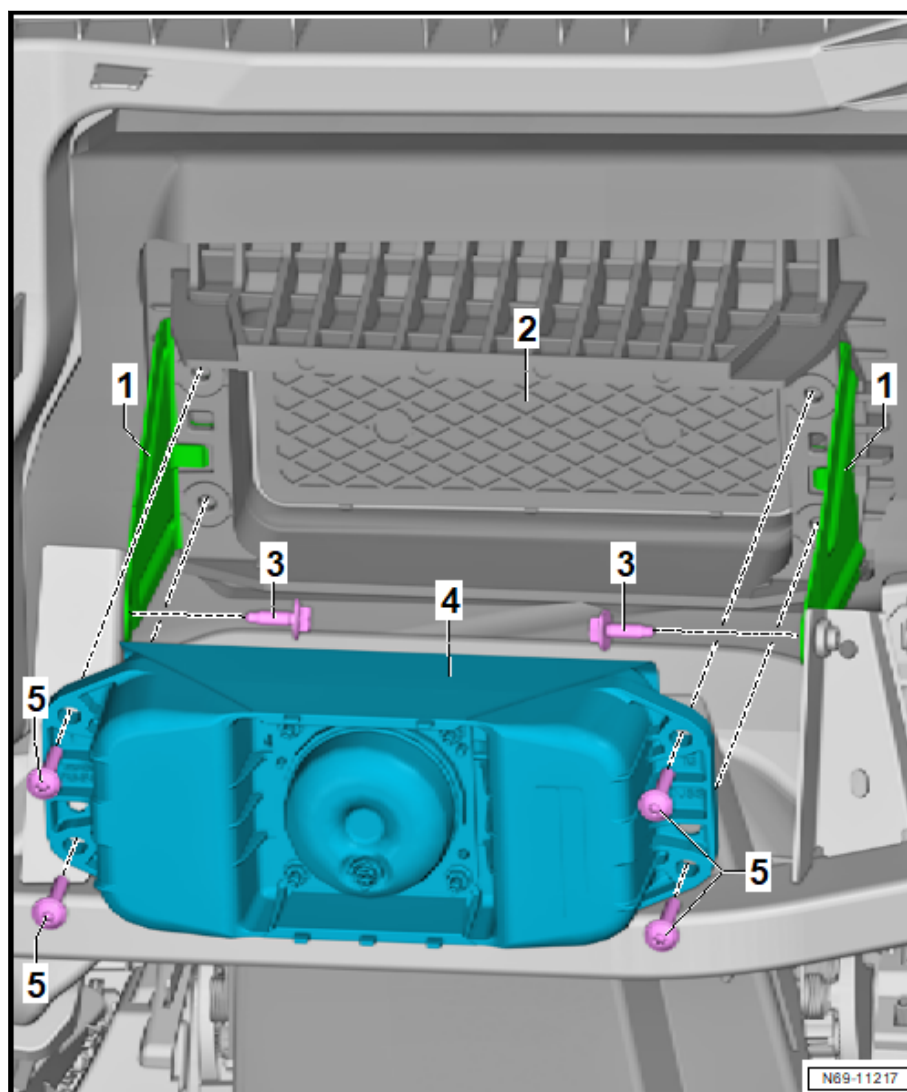
- Qty. 2
- 8 Nm

#### 4 - Airbag unit on front passenger side with airbag igniter 1 on front passenger side - N131-

- ⇒ Rep. gr. 69 ; Removing and installing front passenger airbag unit with igniter

#### 5 - Bolt

- Qty. 4
- Renew after removing
- 8 Nm



### 5.2 Removing and installing front passenger airbag unit with igniter

Airbag unit with airbag igniter 1 on front passenger side - N131- will henceforth be referred to as "airbag unit".

#### Removing

- Disconnect battery earth cable ⇒ Electrical system; Rep. gr. 27 ; Battery; Disconnecting and connecting battery .
- Remove upper glove compartment ⇒ Rep. gr. 68 ; Removing and installing glove compartment .





- Remove glove compartment cover ⇒ Rep. gr. 68 ; Removing and installing glove compartment cover .

### ⚠ CAUTION

It is possible to trigger pyrotechnic components unintentionally.

Risk of injury

- Discharge static electricity by briefly touching door striker plate.

### ⓘ NOTICE

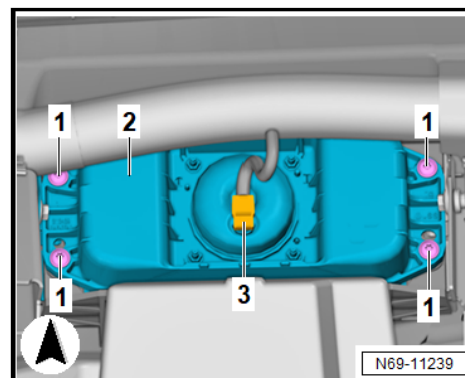
Risk of irreparable damage due to electrostatic discharge.

- Do not touch connector contacts with your hands.
- Touch the lifting platform or other earthed object to discharge static electricity.
- Disconnect electrical connector -3-, releasing securing clip with a small commercially available screwdriver when doing so.
- Unscrew bolts -1-.
- Remove airbag unit -2-.

### ⚠ WARNING

Risk of injury due to unintended deployment of the airbag unit.

- Place the airbag unit with the airbag facing upwards.
- Place down airbag unit -2-.



## Installing

Install in reverse order of removal, observing the following:

### ⚠ CAUTION

It is possible to trigger pyrotechnic components unintentionally.

Risk of injury

- Discharge static electricity by briefly touching door striker plate.

### ⓘ NOTICE

Risk of irreparable damage due to electrostatic discharge.

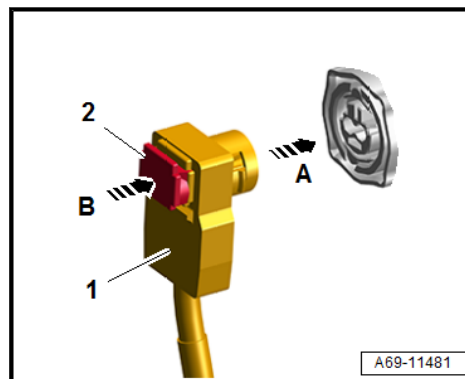
- Do not touch connector contacts with your hands.
- Touch the lifting platform or other earthed object to discharge static electricity.







- Push on electrical connector -1- in direction of -arrow A- until it engages audibly.
- Engage connector lock -2- in direction of -arrow B-.
- Ensure that wire is not trapped.



- Connect battery earth cable ⇒ Electrical system; Rep. gr. 27 ; Battery; Disconnecting and connecting battery .

#### **CAUTION**

**Pyrotechnic components can trigger unexpectedly.**

**Risk of injury.**

- **Keep far away from pyrotechnic components when switching on ignition.**

- Switch on ignition.
- Read and clear event memory with ⇒ Vehicle diagnostic tester.

#### **Tightening torques**

- ♦ ⇒ Rep. gr. 69 ; Assembly overview – front passenger air-bag

### **5.3 Removing and installing key-operated switch to deactivate airbag on front passenger side [E224]**

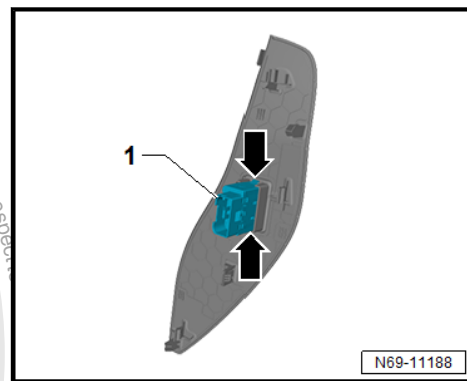
The key-operated switch to deactivate airbag on front passenger side - E224- will henceforth be referred to as "key-operated switch".

#### **Removing**

- Remove dash panel end cover ⇒ Rep. gr. 70 ; Removing and installing dash panel end cover .



- Release key-operated switch -1- in area marked by -arrows-, and push it out.



### Installing

Install in reverse order of removal.



## 6 Side airbags

### 6.1 Assembly overview ? front side airbag, outer side

The overview is shown for the left side of vehicle as an example.

#### 1 - Front side airbag

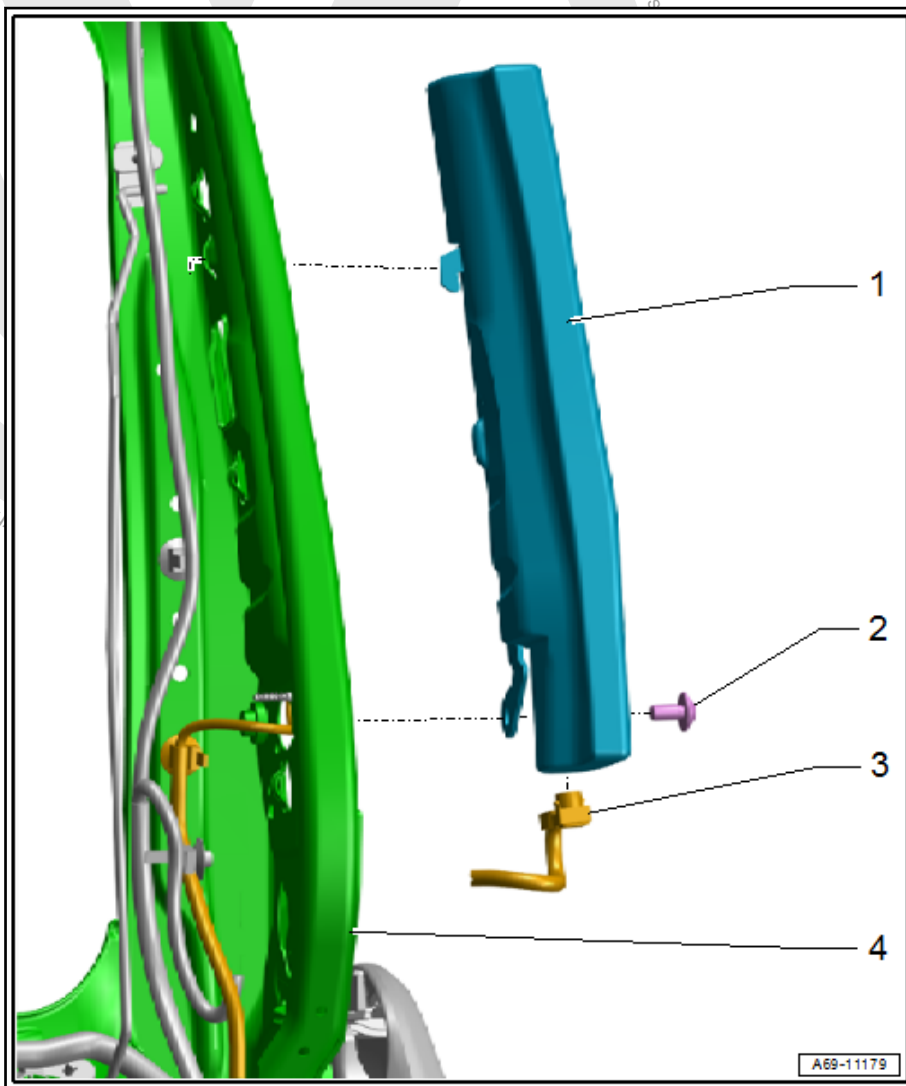
- ☐ With side airbag igniter on driver side - N199- or side airbag igniter on front passenger side - N200-
- ☐ ⇒ ["6.3 Removing and installing front side airbag, outer side", page 77](#)

#### 2 - Bolt

- ☐ Renew after removing
- ☐ 8 Nm

#### 3 - Electrical connector

#### 4 - Front seat frame



### 6.2 Assembly overview - front inner side airbag

The overview shows a left-hand drive vehicle as an example.  
For right-hand drive vehicles, the layout is a mirror image.

#### 1 - Front side airbag, inner side

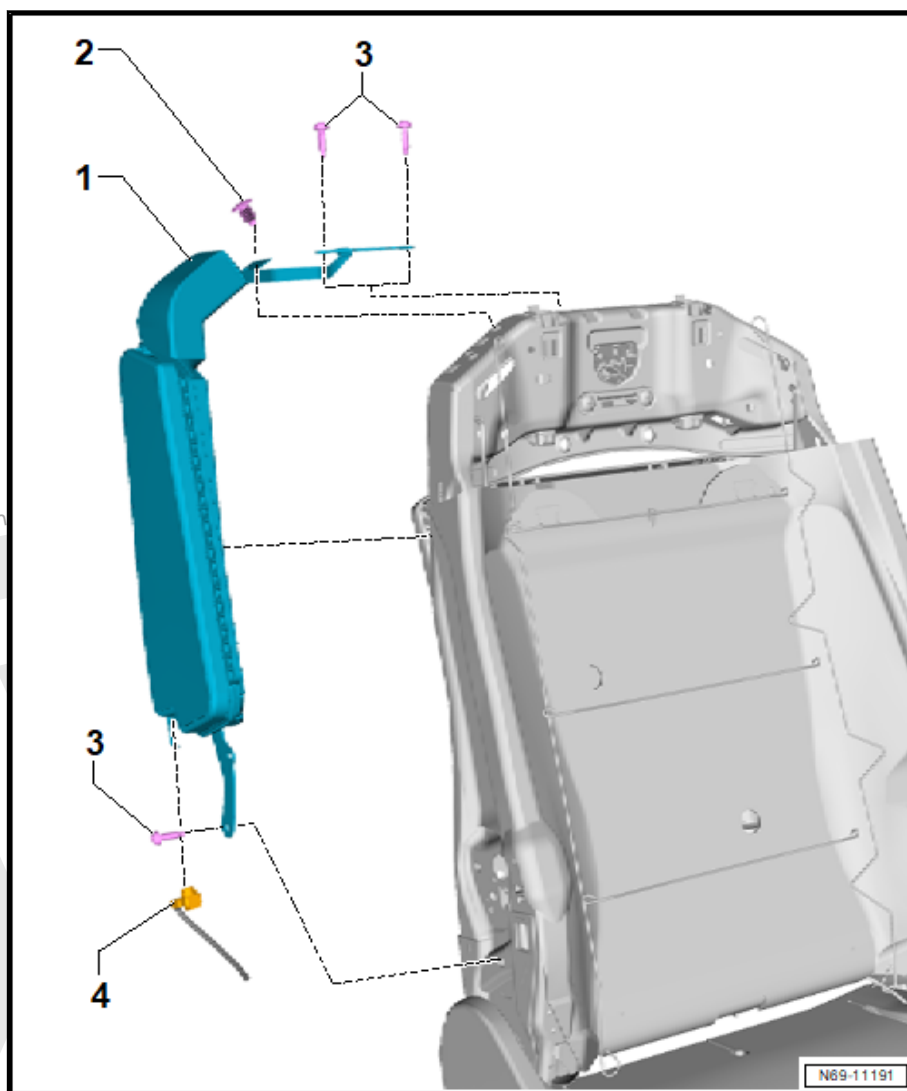
- ☐ With igniter for central airbag for occupant collision protection, driver side - N737-
- ☐ Fitted on driver side
- ☐ ⇒ Rep. gr. 69 ; Removing and installing front inner side airbag

#### 2 - Clip

#### 3 - Bolt

- ☐ Qty. 3
- ☐ Renew after removing
- ☐ 8 Nm

#### 4 - Electrical connector



### 6.3 Removing and installing front side airbag, outer side

The side airbag with side airbag igniter on driver side - N199- or side airbag igniter on front passenger side - N200- will henceforth be referred to as "side airbag".

Removal and installation are described for the left side of vehicle as an example.

#### Removing

- Disconnect battery earth cable ⇒ Electrical system; Rep. gr. 27 ; Battery; Disconnecting and connecting battery .
- Remove backrest padding in area of side airbag ⇒ Rep. gr. 74 ; Separating backrest cover from backrest padding .



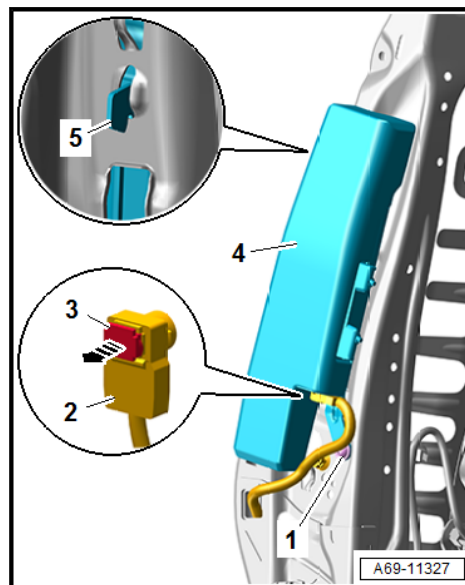
### ⚠ CAUTION

It is possible to trigger pyrotechnic components unintentionally.

Risk of injury

- Discharge static electricity by briefly touching door striker plate.

- Release connector lock -3- in direction of -arrow-.
- Disconnect electrical connector -2-.
- Unscrew bolt -1-.
- Detach side airbag -4- from hook -5-, and remove it.



### ⚠ WARNING

Risk of injury due to unintended deployment of the airbag unit.

- Place the airbag unit with the airbag facing upwards.
- Place side airbag aside.

### Installing

Install in reverse order of removal, observing the following:

### ⚠ CAUTION

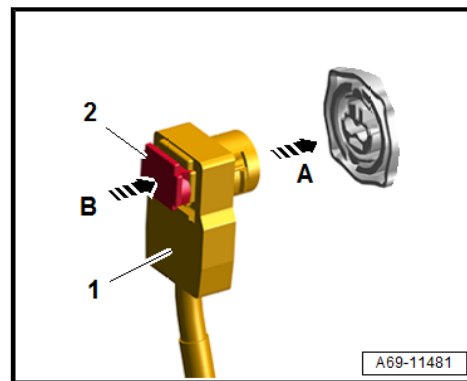
It is possible to trigger pyrotechnic components unintentionally.

Risk of injury

- Discharge static electricity by briefly touching door striker plate.



- Connect electrical connector -1- in direction of -arrow A- until it engages audibly.
- Engage connector lock -2- in direction of -arrow B-.
- Make sure that electrical wire is not trapped.



- Connect battery earth cable ⇒ Electrical system; Rep. gr. 27 ; Battery; Disconnecting and connecting battery .

#### CAUTION

Pyrotechnic components can trigger unintentionally.

Risk of injury.

- Keep far away from pyrotechnic components when switching on ignition.

- Switch on ignition.
- Read and clear event memory using ⇒ Vehicle diagnostic tester.

#### Tightening torques

- ◆ ⇒ [“6.1 Assembly overview ? front side airbag, outer side”, page 76](#)

### 6.4 Removing and installing front inner side airbag

Side airbag with igniter for central airbag for occupant collision protection, driver side - N737- will henceforth be referred to as “side airbag”.

#### Removing

- Disconnect battery earth cable ⇒ Electrical system; Rep. gr. 27 ; Battery; Disconnecting and connecting battery .
- ⇒ Rep. gr. 74 ; Separate backrest cover from backrest padding .



## ⚠ CAUTION

It is possible to trigger pyrotechnic components unintentionally.

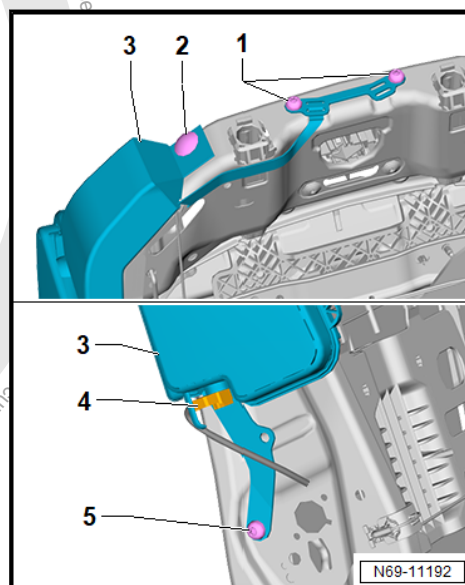
Risk of injury

- Discharge static electricity by briefly touching door striker plate.

## ⓘ NOTICE

Risk of irreparable damage due to electrostatic discharge.

- Do not touch connector contacts with your hands.
- Touch the lifting platform or other earthed object to discharge static electricity.
- Disconnect electrical connector -4-.
- Unscrew bolts -1- and -5-.
- Unclip clip -2- with side airbag -3-.

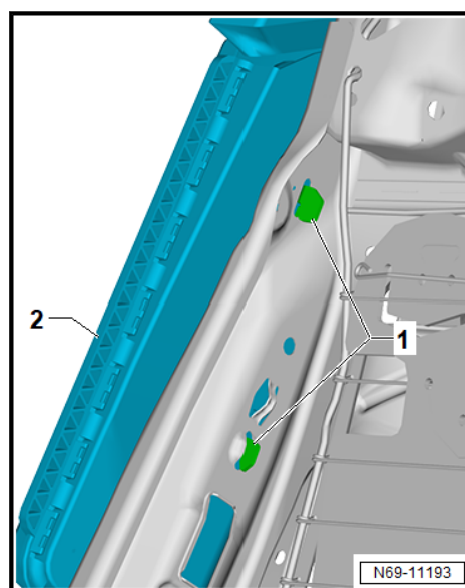


- Unhook side airbag -2- from mountings -1-, and remove it.

## ⚠ WARNING

Risk of injury due to unintended deployment of the airbag unit.

- Place the airbag unit with the airbag facing upwards.
- Place side airbag -2- down.







## Installing

Install in reverse order of removal, observing the following:

### CAUTION

It is possible to trigger pyrotechnic components unintentionally.

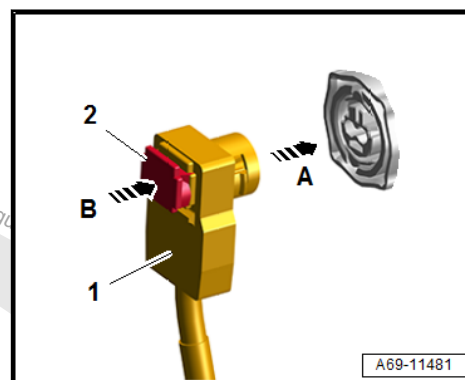
Risk of injury

- Discharge static electricity by briefly touching door striker plate.

### NOTICE

Risk of irreparable damage due to electrostatic discharge.

- Do not touch connector contacts with your hands.
- Touch the lifting platform or other earthed object to discharge static electricity.
- Connect electrical connector -1- in direction of -arrow A- until it engages audibly.
- Engage connector lock -2- in direction of -arrow B-.
- Ensure that wire is not trapped.



- Connect battery earth cable ⇒ Electrical system; Rep. gr. 27 ; Battery; Disconnecting and connecting battery .

### CAUTION

Pyrotechnic components can trigger unintentionally.

Risk of injury

- Keep far away from pyrotechnic components when switching on ignition.
- Switch on ignition.
- Read and clear event memory using ⇒ Vehicle diagnostic tester.

## Tightening torques

- ◆ ⇒ Rep. gr. 69 ; Assembly overview - front inner side airbag

## 7 Curtain airbags

### 7.1 Assembly overview – curtain airbag

The overview is shown for the left side of the vehicle as an example.

#### 1 - Retaining clip

- ☐ Qty. 9
- ☐ Renew after removing

#### 2 - Electrical connector

- ☐ Qty. 2

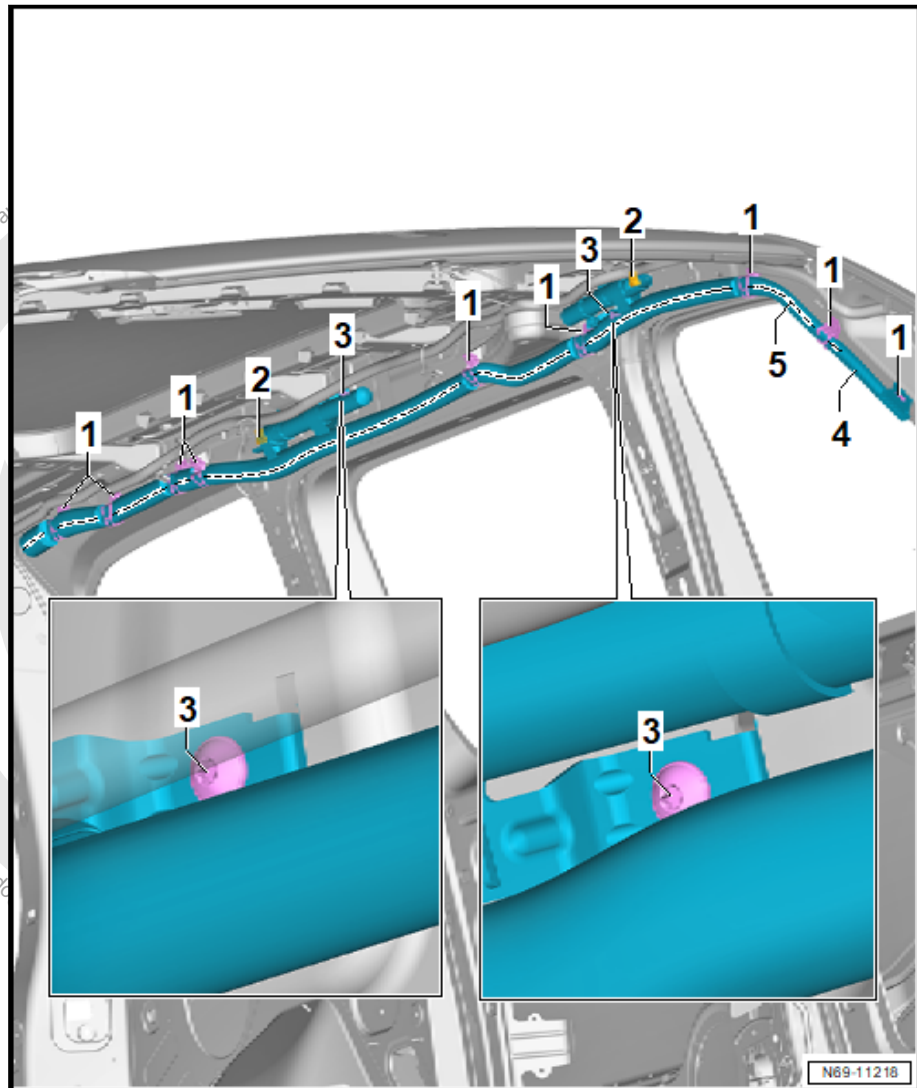
#### 3 - Bolt

- ☐ Qty. 2
- ☐ 4 Nm

#### 4 - Curtain airbag

- ☐ With driver side curtain airbag igniter - N251- and driver side curtain airbag rear igniter - N343-
- ☐ With front passenger side curtain airbag igniter - N252- and passenger side curtain airbag rear igniter - N344-
- ☐ ⇒ Rep. gr. 69 ; Removing and installing curtain airbag with igniter

#### 5 - Twist prevention line



### 7.2 Removing and installing curtain airbag with igniter

Curtain airbag with driver side curtain airbag igniter - N251- , driver side curtain airbag rear igniter - N343- , front passenger side curtain airbag igniter - N252- and Passenger side curtain airbag rear igniter - N344- will henceforth be referred to as "curtain airbag".

Removal and installation are described for left side of vehicle as an example.



## Removing

- Disconnect battery earth cable ⇒ Electrical system; Rep. gr. 27 ; Battery; Disconnecting and connecting battery .
- Remove rear moulded headliner ⇒ Rep. gr. 70 ; Removing and installing moulded headliner .

### CAUTION

Pyrotechnic components can trigger unintentionally.

Risk of injury.

- Discharge any static electricity in body by briefly touching door striker plate.

### NOTICE

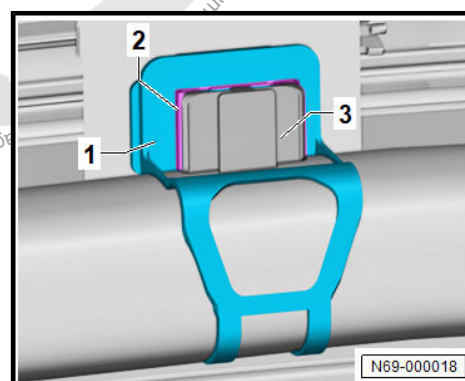
Risk of irreparable damage due to electrostatic discharge.

- Do not touch connector contacts with your hands.
- Touch the lifting platform or other earthed object to discharge static electricity.
- Release connector locks.
- Disconnect electrical connectors.

## Note

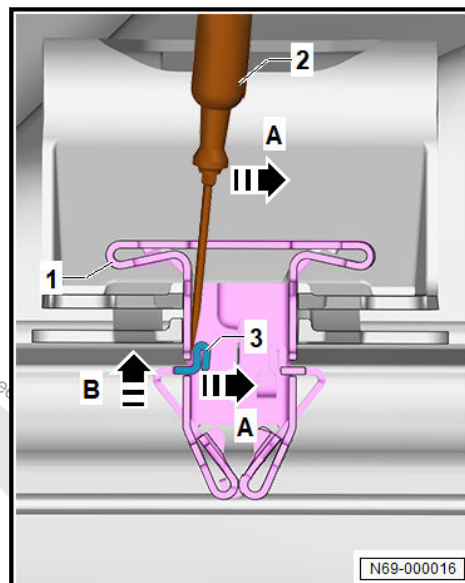
The curtain airbag is secured to the body by means of a bracket -1-, a retaining clip -2- and a clip -3-.

- Use a commercially available pair of to remove clip -3- from retaining clip -2-.

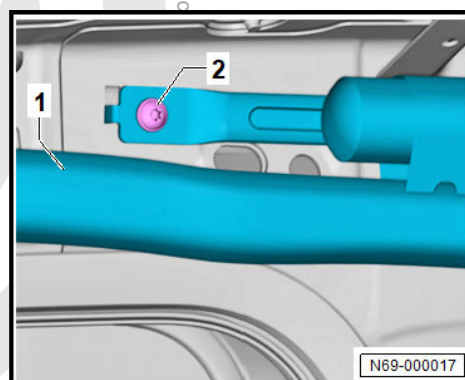




- Position small, commercially available screwdriver -2- in retaining clip -1- on upper left.
- Press locking device -3- in direction of -arrow A-. Using commercially available plastic wedge, push retaining clip -1- in direction of -arrow B-, and hold it there.
- Repeat procedure on 2nd locking device at bottom right.
- Remove retaining clip -1- together with curtain airbag from body mounting.
- Remove remaining retaining clips as described.



- Unscrew bolt -2-.
- Repeat procedure on rear curtain airbag.



### Important

- The aid of an additional person is required for the subsequent work steps.
- Remove curtain airbag.

### Installing

Install in reverse order of removal, observing the following:

- Replace retaining clips by new ones ⇒ Electronic parts catalogue (ETKA) .

### Important



- The aid of an additional person is required for the subsequent work steps.

**⚠ CAUTION**

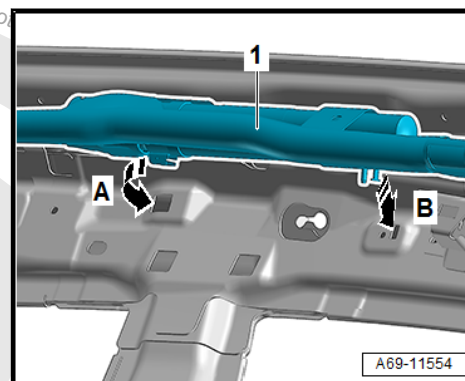
It is possible to trigger pyrotechnic components unintentionally.

**Risk of injury**

- Discharge static electricity by briefly touching door striker plate.

Important

- The twist prevention line must be visible throughout the entire length of the curtain airbag.
- Engage curtain airbag -1- in direction of -arrow A-.
- Engage curtain airbag -1- in direction of -arrow B-, and tighten bolt.
- Repeat procedure on rear curtain airbag.



- Clip curtain airbag to body starting at igniter and working from there towards front and rear.
- After installing, pull retaining clips at each mounting point to check that they are fitted correctly.

**⚠ CAUTION**

It is possible to trigger pyrotechnic components unintentionally.

**Risk of injury**

- Discharge static electricity by briefly touching door striker plate.

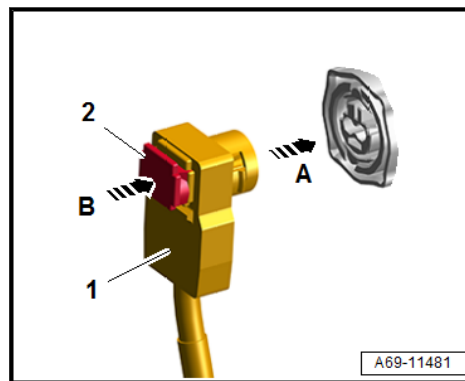
**ⓘ NOTICE**

**Risk of irreparable damage due to electrostatic discharge.**

- Do not touch connector contacts with your hands.
- Touch the lifting platform or other earthed object to discharge static electricity.



- Connect electrical connector -1- in direction of -arrow A- until it engages audibly.
- Engage connector lock -2- in direction of -arrow B-.
- Ensure that wire is not trapped.



- Connect battery earth cable ⇒ Electrical system; Rep. gr. 27 ; Battery; Disconnecting and connecting battery .

**CAUTION**

**Pyrotechnic components can trigger unintentionally.**

**Risk of injury.**

- **Keep far away from pyrotechnic components when switching on ignition.**

- Switch on ignition.
- Read and clear event memory using a Vehicle diagnostic tester.

**Tightening torques**

- ◆ ⇒ Rep. gr. 69 ; Assembly overview – curtain airbag



## 8 Airbag crash sensors

### 8.1 Assembly overview - crash sensors for airbags





### 1 - Side airbag crash sensor on front passenger side - G180-

- ☐ Left-hand drive vehicles: side airbag crash sensor on front passenger side - G180-
- ☐ Right-hand drive vehicles: side airbag crash sensor on driver side - G179-
- ☐ ➔ Rep. gr. 69 ; Removing and installing front side airbag crash sensor [G179/G180]

### 2 - Crash sensor for side airbag in B-pillar, passenger side - G1102-

- ☐ LHD vehicles: crash sensor for side airbag in B-pillar, passenger side - G1102-
- ☐ RHD vehicles: crash sensor for side airbag in B-pillar, driver side - G1101-
- ☐ ➔ Rep. gr. 69 ; Removing and installing crash sensor for side airbag in B-pillar [G1101/G1102]

### 3 - Bolt

- ☐ Qty. 5
- ☐ 9 Nm

### 4 - Rear side airbag crash sensor on passenger side - G257-

- ☐ Left-hand drive vehicles: rear side airbag crash sensor on passenger side - G257-
- ☐ Right-hand drive vehicles: rear side airbag crash sensor on driver side - G256-
- ☐ ➔ Rep. gr. 69 ; Removing and installing rear side airbag crash sensor [G256/G257]

### 5 - Rear side airbag crash sensor on driver side - G256-

- ☐ Left-hand drive vehicles: rear side airbag crash sensor on driver side - G256-
- ☐ Right-hand drive vehicles: rear side airbag crash sensor on passenger side - G257-
- ☐ ➔ Rep. gr. 69 ; Removing and installing rear side airbag crash sensor [G256/G257]

### 6 - Crash sensor for side airbag in B-pillar, driver side - G1101-

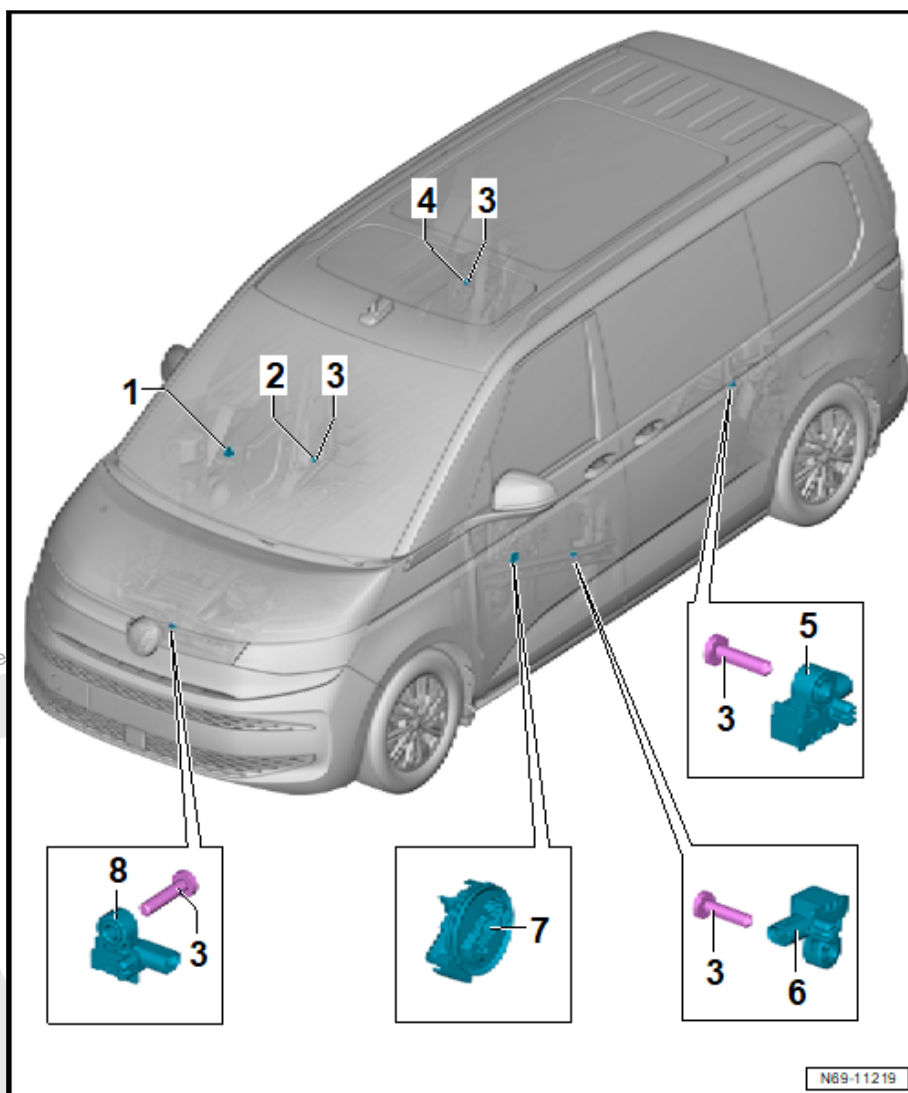
- ☐ LHD vehicles: crash sensor for side airbag in B-pillar, driver side - G1101-
- ☐ RHD vehicles: crash sensor for side airbag in B-pillar, passenger side - G1102-
- ☐ ➔ Rep. gr. 69 ; Removing and installing crash sensor for side airbag in B-pillar [G1101/G1102]

### 7 - Side airbag crash sensor on driver side - G179-

- ☐ Left-hand drive vehicles: side airbag crash sensor on driver side - G179-
- ☐ Right-hand drive vehicles: side airbag crash sensor on passenger side - G180-
- ☐ ➔ Rep. gr. 69 ; Removing and installing front side airbag crash sensor [G179/G180]

### 8 - Crash sensor for front airbag - G190-

- ☐ ➔ Rep. gr. 69 ; Removing and installing crash sensor for front airbag [G190]/[G284]





## 8.2 Removing and installing crash sensor for front airbag [G190]

Crash sensor for front airbag - G190- is referred to hereafter as crash sensor.

Removal and installation are described for left side of vehicle as an example.

### Removing

#### **WARNING**

Danger of airbag triggering.

Risk of injury.

- Check whether the airbag warning lamp lights or flashes.
- If the airbag warning lamp lights or flashes, read out the event memory.
- If there is an entry in the event memory, follow the instructions in Guided Fault Finding.

- Disconnect battery earth cable ⇒ Electrical system; Rep. gr. 27 ; Battery; Disconnecting and connecting battery .

- Remove cover for air duct on lock carrier ⇒ Rep. gr. 23 ; Air filter; Removing and installing air duct on lock carrier .

#### **CAUTION**

It is possible to trigger pyrotechnic components unintentionally.

Risk of injury

- Discharge static electricity by briefly touching door striker plate.

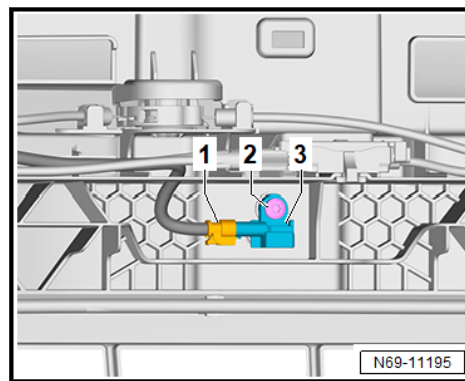
#### **NOTICE**

Risk of irreparable damage due to electrostatic discharge.

- Do not touch connector contacts with your hands.
- Touch the lifting platform or other earthed object to discharge static electricity.



- Disconnect electrical connector -1-.
- Unscrew bolt -2-, and remove crash sensor -3-.



## Installing

Install in reverse order of removal, observing the following:

- Connect electrical connector until it engages audibly.
- Ensure that wire is not trapped.
- Connect battery earth cable ⇒ Electrical system; Rep. gr. 27 ; Battery; Disconnecting and connecting battery .

### CAUTION

**Pyrotechnic components can trigger unintentionally.**

**Risk of injury.**

- **Keep far away from pyrotechnic components when switching on ignition.**
- Switch on ignition.
- Read and clear event memory using ⇒ Vehicle diagnostic tester.

## Tightening torques

- ♦ ⇒ Rep. gr. 69 ; Assembly overview - crash sensors for airbags

## 8.3 Removing and installing front side air-bag crash sensor [G179/G180]

The side airbag crash sensor on driver side - G179- and side airbag crash sensor on front passenger side - G180- will henceforth be referred to as "crash sensor".

Removal and installation are described for the left side of vehicle as an example.

## Removing

### WARNING

**Danger of airbag triggering.**

**Risk of injury.**

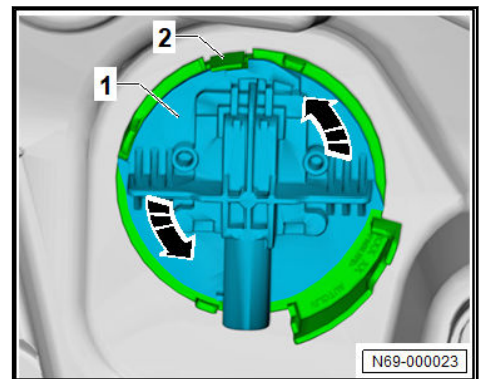
- Check whether the airbag warning lamp lights or flashes.
  - If the airbag warning lamp lights or flashes, read out the event memory.
  - If there is an entry in the event memory, follow the instructions in Guided Fault Finding.
- 
- Disconnect battery earth cable ⇒ Electrical system; Rep. gr. 27 ; Battery; Disconnecting and connecting battery .
  - Remove front door trim ⇒ Rep. gr. 70 ; Removing and installing front door trim

### CAUTION

**It is possible to trigger pyrotechnic components unintentionally.**

**Risk of injury**

- Discharge static electricity by briefly touching door striker plate.
- 
- Pull out connector lock, and release it.
  - Disconnect electrical connector.
- 
- Release anti-twist protection -2-, and turn crash sensor -1- approx. 45° in direction of -arrow-.
  - Detach and remove crash sensor -1-.



## Installing

Install in reverse order of removal, observing the following:

- Connect electrical connector until it engages audibly.
- Make sure that electrical wire is not trapped.



## Important

- Make sure that door forms an effective seal.
- Connect battery earth cable ⇒ Electrical system; Rep. gr. 27 ; Battery; Disconnecting and connecting battery .

### CAUTION

Pyrotechnic components can trigger unintentionally.

Risk of injury.

- **Keep far away from pyrotechnic components when switching on ignition.**
- Switch on ignition.
- Read and clear event memory using ⇒ Vehicle diagnostic tester.

## 8.4 Removing and installing rear side air-bag crash sensor [G256/G257]

Rear side airbag crash sensor on driver side - G256- and rear side airbag crash sensor on passenger side - G257- will henceforth be referred to as "crash sensor".

Removal and installation are described for the left side of vehicle as an example.

## Removing

### WARNING

Danger of airbag triggering.

Risk of injury.

- Check whether the airbag warning lamp lights or flashes.
- If the airbag warning lamp lights or flashes, read out the event memory.
- If there is an entry in the event memory, follow the instructions in Guided Fault Finding.
- Disconnect battery earth cable ⇒ Electrical system; Rep. gr. 27 ; Battery; Disconnecting and connecting battery .
- Remove side trim ⇒ Rep. gr. 70 ; Removing and installing side trim .

### CAUTION

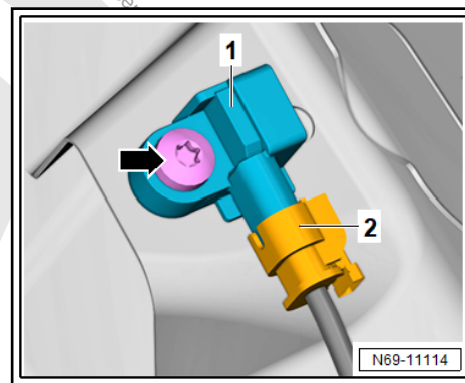
Pyrotechnic components can trigger unintentionally.

Risk of injury.

- Discharge any static charge by briefly touching the door striker plate.



- Disconnect electrical connector -2-.
- Unscrew bolt -arrow-.
- Detach crash sensor -1-.



## Installing

Install in reverse order of removal, observing the following:

- Connect electrical connector until it engages audibly.
- Make sure that electrical wire is not trapped.
- Connect battery earth cable ⇒ Electrical system; Rep. gr. 27 ; Battery; Disconnecting and connecting battery .

### CAUTION

Pyrotechnic components can trigger unintentionally.  
Risk of injury.

- Keep far away from pyrotechnic components when switching on ignition.

- Switch on ignition.
- Read and clear event memory with ⇒ Vehicle diagnostic tester.

## Tightening torques

- ◆ ⇒ Rep. gr. 69 ; Assembly overview – airbag crash sensors

## 8.5 Removing and installing crash sensor for side airbag in B-pillar [G1101/ G1102]

Crash sensor for side airbag in B-pillar, driver side - G1101- and crash sensor for side airbag in B-pillar, passenger side - G1102- will henceforth be referred to as “crash sensor”.

Removal and installation are described for left side of vehicle as an example.



## Removing

### WARNING

Danger of airbag triggering.

Risk of injury.

- Check whether the airbag warning lamp lights or flashes.
- If the airbag warning lamp lights or flashes, read out the event memory.
- If there is an entry in the event memory, follow the instructions in Guided Fault Finding.

- Disconnect battery earth cable ⇒ Electrical system; Rep. gr. 27 ; Battery; Disconnecting and connecting battery .
- Remove belt tensioner cover ⇒ Rep. gr. 70 ; Removing and installing lower B-pillar trim .

### CAUTION

It is possible to trigger pyrotechnic components unintentionally.

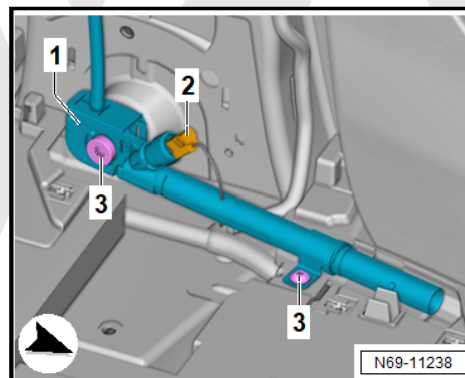
Risk of injury

- Discharge static electricity by briefly touching door striker plate.

### NOTICE

Risk of irreparable damage due to electrostatic discharge.

- Do not touch connector contacts with your hands.
- Touch the lifting platform or other earthed object to discharge static electricity.
- Disconnect electrical connector -2-.
- Unscrew bolts -3-.
- Remove belt end fitting tensioner -1-.



### CAUTION

It is possible to trigger pyrotechnic components unintentionally.

Risk of injury

- Discharge static electricity by briefly touching door striker plate.

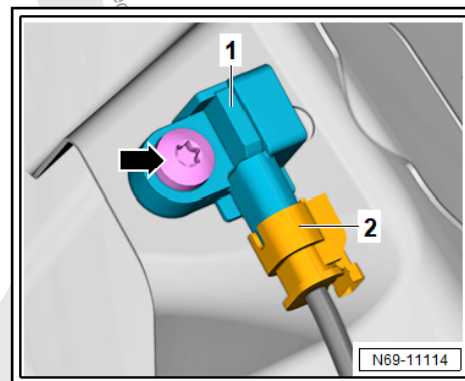




**! NOTICE**

**Risk of irreparable damage due to electrostatic discharge.**

- Do not touch connector contacts with your hands.
- Touch the lifting platform or other earthed object to discharge static electricity.
- Disconnect electrical connector -2-.
- Unscrew bolt -arrow-.
- Detach crash sensor -1-.



**Installing**

Install in reverse order of removal, observing the following:

- Connect electrical connector until it engages audibly.
- Ensure that wire is not trapped.
- Connect battery earth cable ⇒ Electrical system; Rep. gr. 27 ; Battery; Disconnecting and connecting battery .

**! CAUTION**

**Pyrotechnic components can trigger unintentionally.**

**Risk of injury.**

- Keep far away from pyrotechnic components when switching on ignition.
- Switch on ignition.
- Read and clear event memory using ⇒ Vehicle diagnostic tester.

**Tightening torques**

- ◆ ⇒ Rep. gr. 69 ; Assembly overview - crash sensors for airbags
- ◆ ⇒ Rep. gr. 69 ; Assembly overview – front three-point seat belt



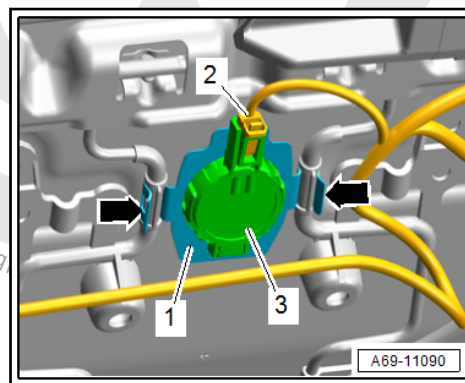
## 9 Seat occupied recognition

### 9.1 Removing and installing front seat occupied sensor [G1067]/[G128]

The seat occupied sensor on driver side - G1067- and seat occupied sensor on front passenger side - G128- will henceforth be referred to as "seat occupied sensor".

#### Removing

- Move front seat to rearmost and highest position.
- Disconnect electrical connector -2-.
- Unclip mounting -1- -arrows-.
- Detach seat occupied sensor -3-. To do this, push padding upwards slightly.



#### Installing

Install in reverse order of removal, observing the following:

- Connect electrical connector until it engages audibly.

### 9.2 Removing and installing battery in control unit for wireless connection of seat occupied sensors

The battery in the control unit for wireless connection of seat occupied sensors will henceforth be referred to as "battery".

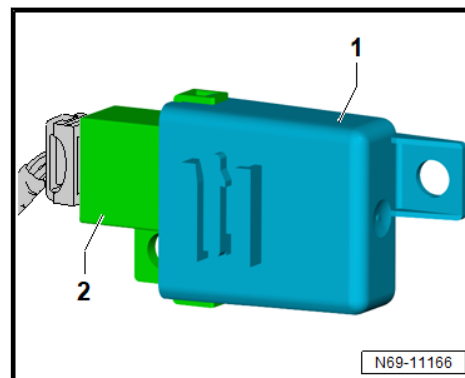
The control unit for wireless connection of seat occupied sensors will henceforth be referred to as "control unit".

#### Removing

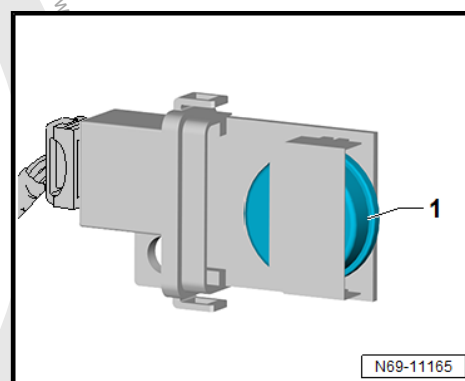
- Remove control unit for wireless connection of seat occupied sensors ⇒ Rep. gr. 69 ; Removing and installing control unit for wireless connection of seat occupied sensors .



- Pull control unit -2- off housing -1-.



- Remove battery -1-.



## Installing

Install in reverse order of removal.

### 9.3 Removing and installing rear seat occupied sensor [G1116], [G1117], [G1118], [G1119], [G1120]

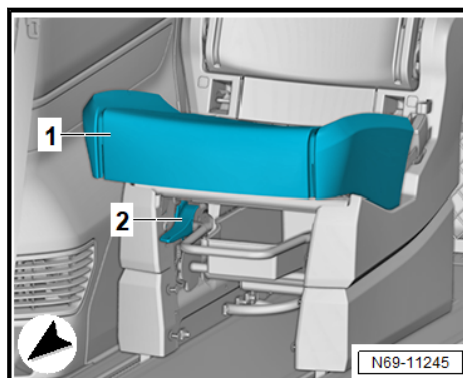
The rear left seat occupied sensor, seat row 2 - G1116- , rear right seat occupied sensor, seat row 2 - G1117- , rear centre seat occupied sensor, seat row 2 - G1118- , rear left seat occupied sensor, seat row 3 - G1119- and rear right seat occupied sensor, seat row 3 - G1120- will henceforth be referred to as "seat occupied sensor".

Removal and installation are described for one seat occupied sensor as an example.

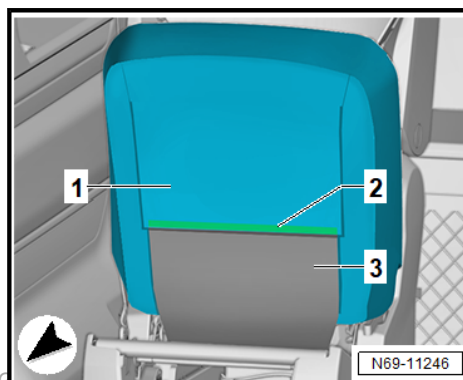


## Removing

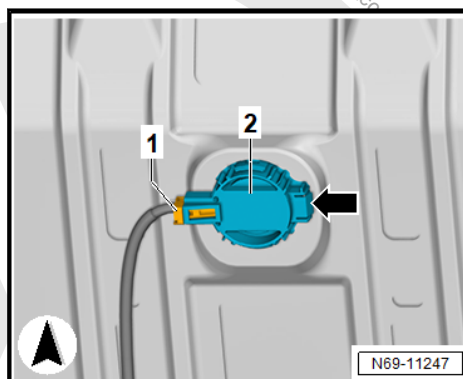
- Operate locking lever -2-, and fold up seat padding -1-.



- Unclip cover -1- from retainer strip -2-.
- Detach cover -3- from seat pan.



- Disconnect electrical connector -1-.
- Press locking device -arrow-, and remove seat occupied sensor -2- from seat pan. To do this, push seat padding upwards slightly.



## Installing

Install in reverse order of removal.

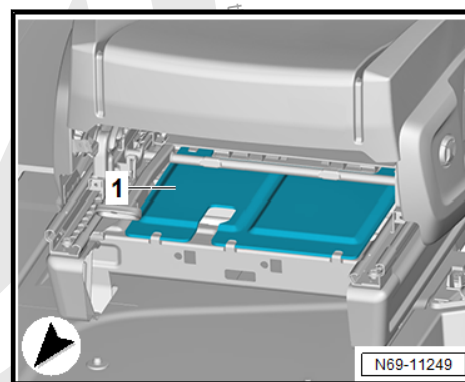
## 9.4 Removing and installing control unit for wireless connection of seat occupied sensors

### 9.4.1 Removing and installing control unit for wireless connection of seat occupied sensors [J1247]

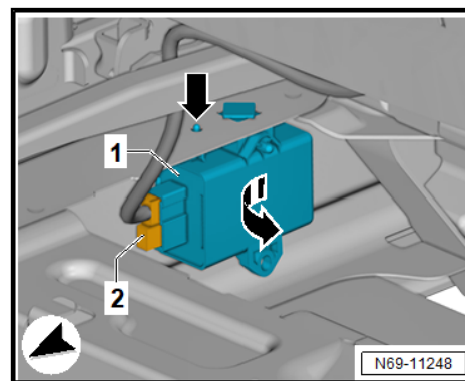
The control unit for wireless connection of seat occupied sensors - J1247- will henceforth be referred to as "control unit".

#### Removing

- Move seat to rearmost and highest position.
- Remove trim -1- from seat frame.



- Disconnect electrical connector -2-.
- Press locking device -arrow-, and swing out control unit -1- in direction of -arrow-.



#### Installing

Install in reverse order of removal, observing the following:

#### If control unit has been renewed:

- Adapt control unit using ⇒ Vehicle diagnostic tester.



## 9.4.2 Removing and installing control unit for wireless connection of seat occupied sensors [J1248], [J1249], [J1250], [J1251], [J1252], [J1253]

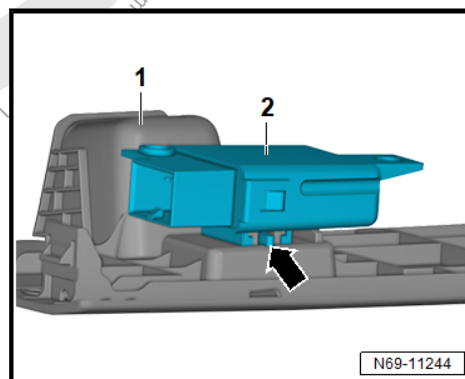
The control unit for wireless connection of left seat occupied sensor, seat row 2 - J1248- , control unit for wireless connection of right seat occupied sensor, seat row 2 - J1249- , control unit for wireless connection of centre seat occupied sensor, seat row 2 - J1250- , control unit for wireless connection of left seat occupied sensor, seat row 3 - J1251- , control unit for wireless connection of right seat occupied sensor, seat row 3 - J1252- and control unit for wireless connection of centre seat occupied sensor, seat row 3 - J1253- will henceforth be referred to a "control unit".

Removal and installation are described for one control unit as an example.

### Removing

- Remove rear trim ⇒ Rep. gr. 72 ; Removing and installing seat trim .

- Press locking device -arrow-. At the same time, pull control unit -2- off rear trim -1-.



### Installing

Install in reverse order of removal, observing the following:

#### If control unit has been renewed:

- Adapt control unit using ⇒ Vehicle diagnostic tester.



## 70 – Trim, insulation

### 1 Safety information and repair notes

#### 1.1 Safety information

Observe safety information ⇒ Safety information and repair notes; Rep. gr. 00 ; Safety information

#### 1.2 Repair instructions

Observe repair instructions ⇒ Safety and repair instructions; Rep. gr. 00 ; Repair instructions .







## 2 Front door trims

### 2.1 Assembly overview – front door trim

The overview is shown for the left side of the vehicle as an example.

#### 1 - Clip

- Qty. 7

#### 2 - Mirror cover trim

- ⇒ Rep. gr. 70 ; Removing and installing mirror cover trim

#### 3 - Trim for button

- Top
- ⇒ Rep. gr. 70 ; Removing and installing button/switch trim

#### 4 - Central locking SAFE-LOCK function warning lamp - K133-

- ⇒ Electrical system; Rep. gr. 96 ; Lights; Removing and installing central locking SAFELOCK function warning lamp [K133]

#### 5 - Bolt

- Qty. 2
- 4.5 Nm

#### 6 - Trim for button

- Bottom
- ⇒ Rep. gr. 70 ; Removing and installing button/switch trim

#### 7 - Trim panel

- ⇒ Rep. gr. 70 ; Removing and installing trim

#### 8 - Rotary clip

- Qty. 2

#### 9 - Front left entry light - W31-

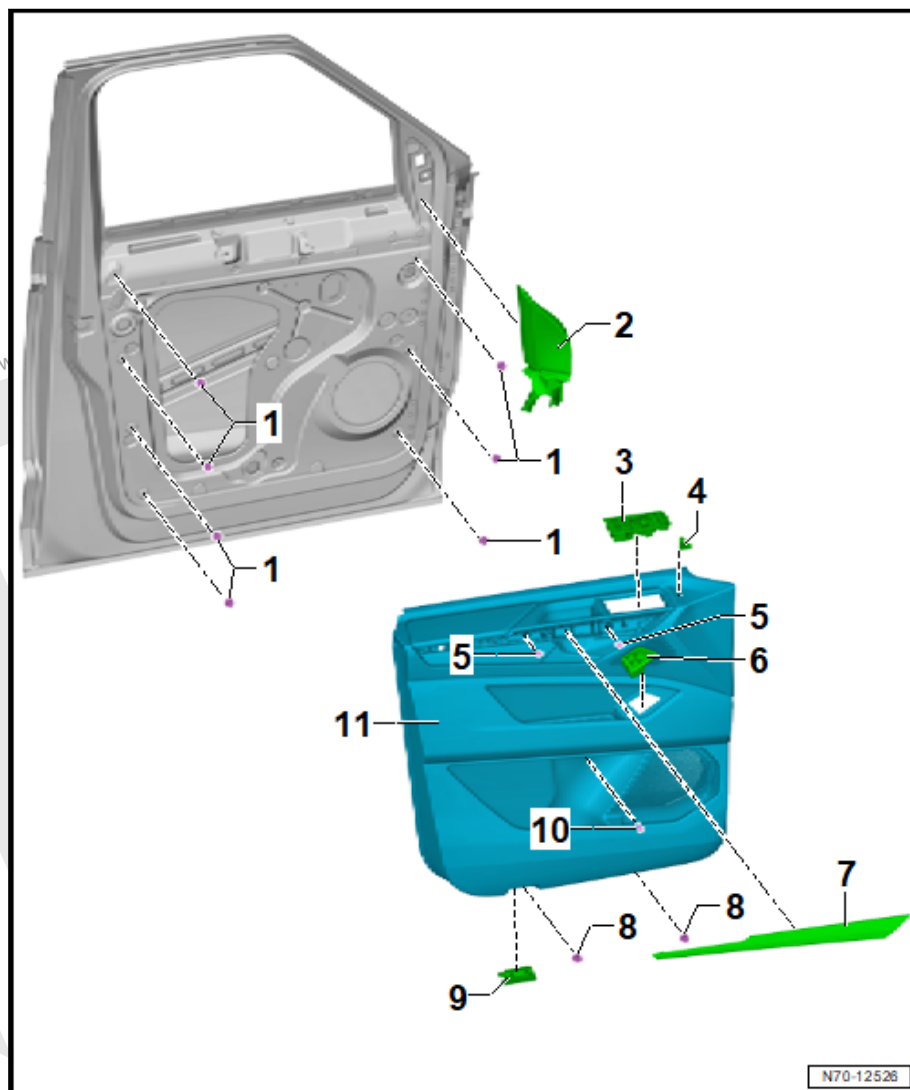
- ⇒ Electrical system; Rep. gr. 96 ; Lights; Removing and installing front entry light [W31]/[W32]

#### 10 - Bolt

- 2 Nm

#### 11 - Front door trim

- Depending on equipment/installation period
- ⇒ Rep. gr. 70 ; Removing and installing front door trim



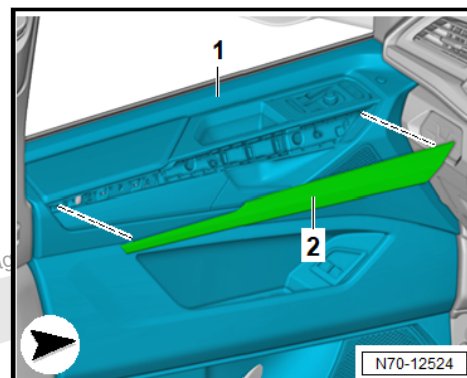


## 2.2 Removing and installing trim

Removal and installation are described for left side of vehicle as an example.

### Removing

- Use commercially available plastic wedge to unclip trim panel -2- from door trim -1-.



### Installing

Install in reverse order of removal.

## 2.3 Removing and installing front door trim

### Special tools and workshop equipment required

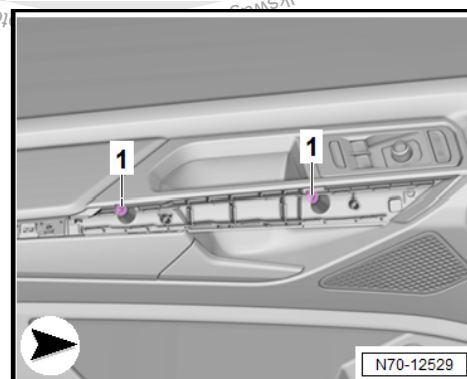
- ◆ Wedge - T10383-

Removal and installation are described for the left side of vehicle as an example.

### Removing

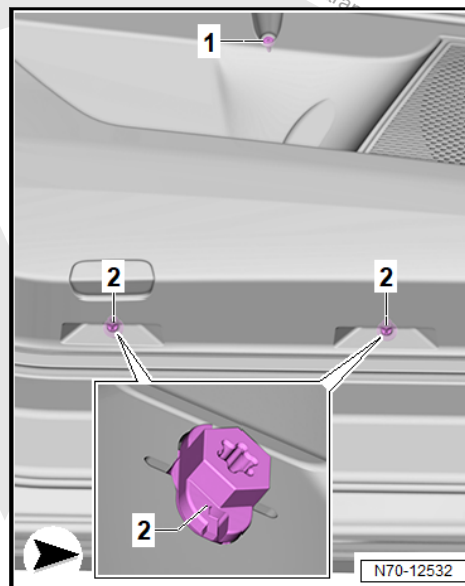
- Remove trim ⇒ Rep. gr. 70 ; Removing and installing trim .

- Unscrew bolts -1-.

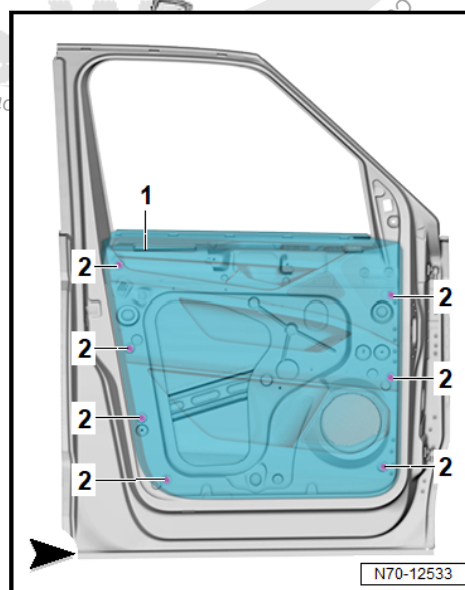




- Unscrew bolt -1-.
- Release rotary clip -2- by turning it 90° in direction of -arrow-.



- Use wedge - T10383- to release clips -2-.
- Pull front door trim -1- upwards out of window slot inner seal.



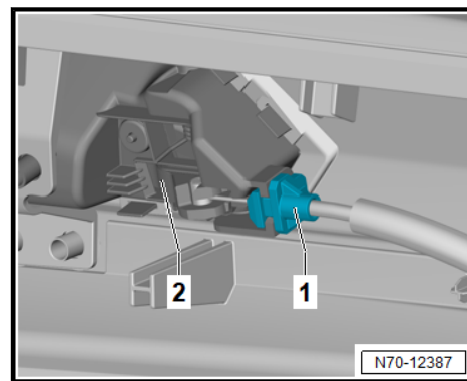
**NOTICE**

**Risk of damage to the Bowden cable due to deformation.**

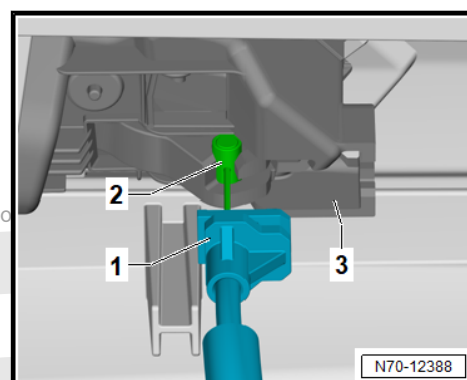
- Do not bend or kink the Bowden cable.



- Unclip Bowden cable -1-.



- Move Bowden cable -1- until ball head -2- can be removed upwards.
- Disconnect electrical connectors.



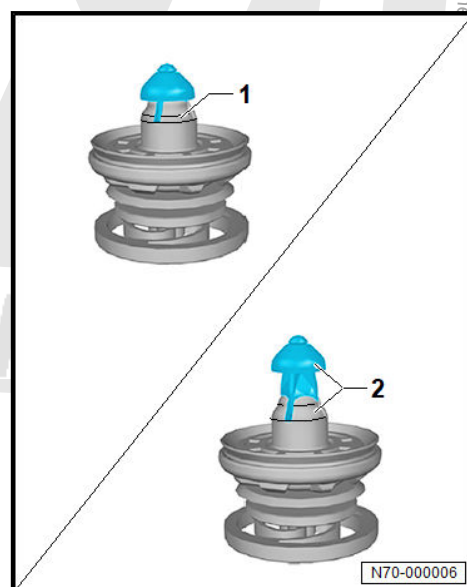
## Installing

Install in reverse order of removal, observing the following:

- Turn locking mechanism from position -2- to position -1-.

Important

- The front door trim can only be installed when the locking mechanism is in position -1-.





If a new door trim has been installed:

- Using suitable tool, make hole for additional equipment.

All vehicles (continued)

Tightening torques

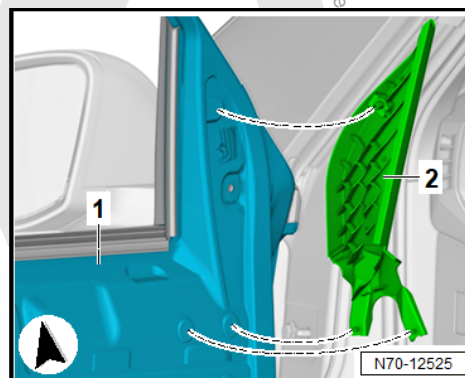
- ♦ ⇒ Rep. gr. 70 ; Assembly overview – front door trim

## 2.4 Removing and installing mirror cover trim

Removal and installation are described for the left side of vehicle as an example.

### Removing

- Remove front door trim ⇒ Rep. gr. 70 ; Removing and installing front door trim .
- Unclip mirror cover trim -2- from door frame -1- using commercially available plastic wedge.



### Installing

Install in reverse order of removal.

## 2.5 Removing and installing button/switch trim

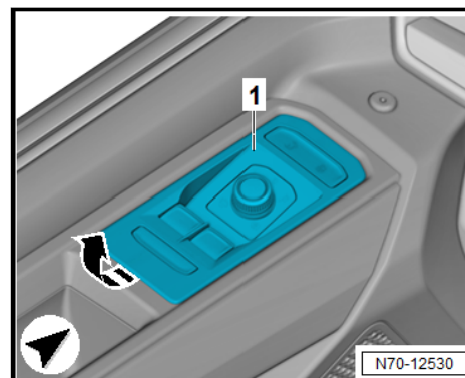
### 2.5.1 Removing and installing button trim, upper

Removal and installation are described for left side of vehicle as an example.



### Removing

- Use a commercially available plastic wedge to unclip trim for upper button -1- in direction of -arrow-, and pull it off far enough to gain access to electrical connector.
- Disconnect electrical connector.
- Remove trim for upper button -1-.



### Installing

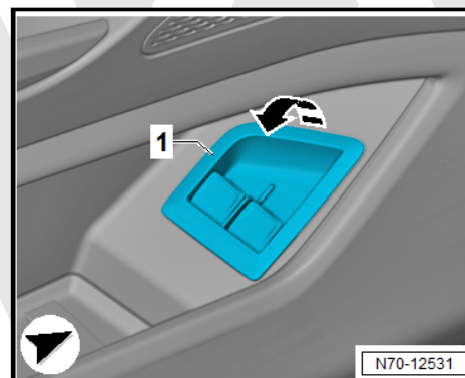
Install in reverse order of removal.

## 2.5.2 Removing and installing button trim, lower

Removal and installation are described for left side of vehicle as an example.

### Removing

- Use a commercially available plastic wedge to unclip trim for lower button -1- in direction of -arrow-, and pull it off far enough to gain access to electrical connector.
- Disconnect electrical connector.
- Remove trim for lower button -1-.



### Installing

Install in reverse order of removal.



## 3 Rear door trims

### 3.1 Assembly overview – rear door trim

The overview is shown for the left side of the vehicle as an example.

#### 1 - Window frame trim

- ❑ ⇒ Rep. gr. 70 ; Removing and installing window frame trim

#### 2 - Bolt

- ❑ Qty. 2
- ❑ 9 Nm

#### 3 - Interior door handle

- ❑ ⇒ Rep. gr. 70 ; Removing and installing interior door handle

#### 4 - Window frame trim

- ❑ Interior door handle
- ❑ ⇒ Rep. gr. 70 ; Removing and installing window frame trim, interior door handle

#### 5 - Rear door trim

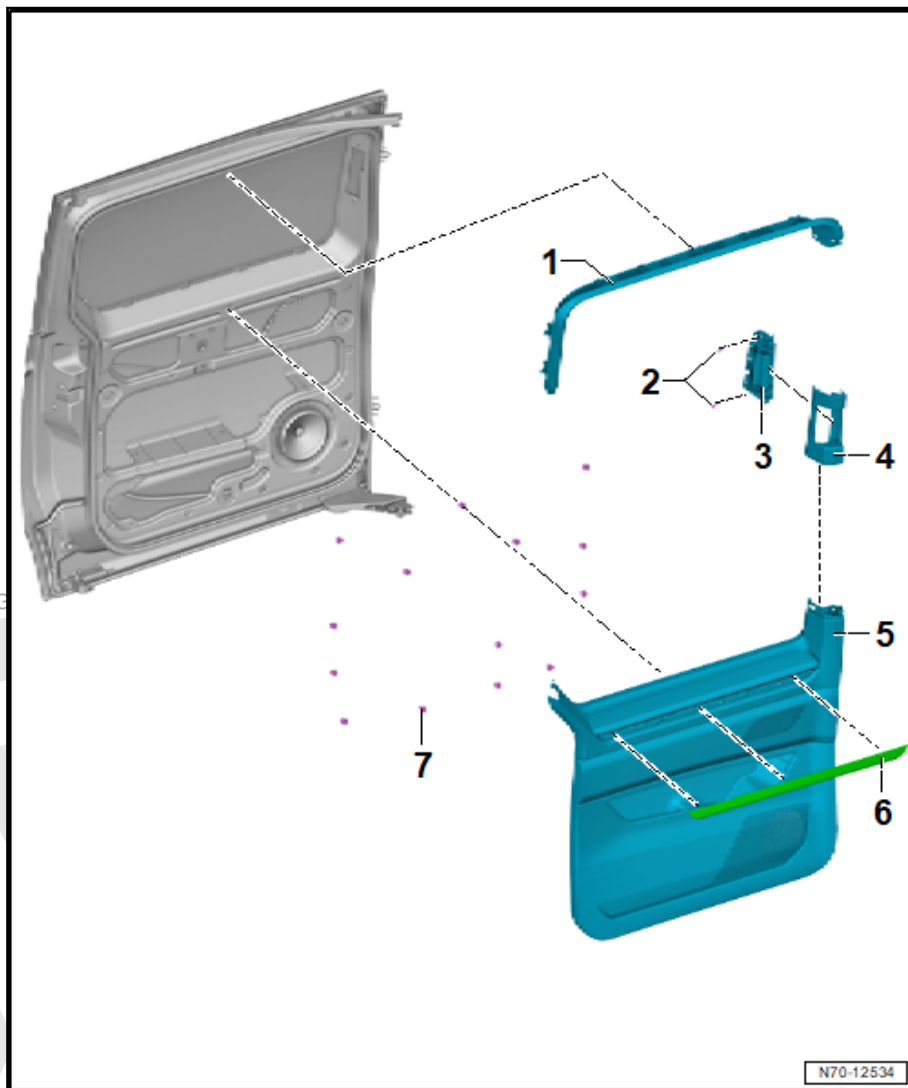
- ❑ ⇒ Rep. gr. 70 ; Removing and installing rear door trim

#### 6 - Trim panel

- ❑ ⇒ Rep. gr. 70 ; Removing and installing trim

#### 7 - Clip

- ❑ Qty. 14



### 3.2 Removing and installing trim

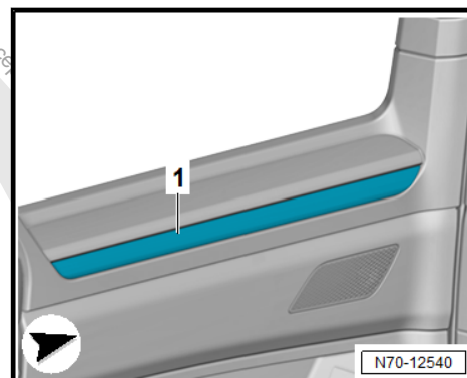
Removal and installation are described for left side of vehicle as an example.





## Removing

- Unclip trim panel -1- using commercially available plastic wedge and remove.



## Installing

Install in reverse order of removal.

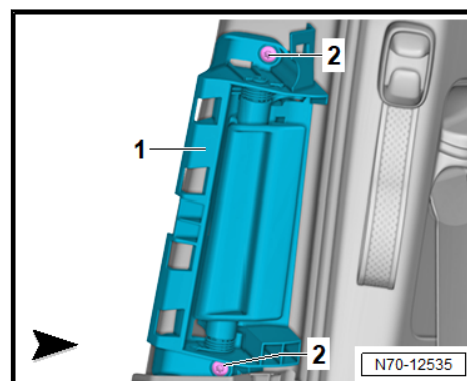
### 3.3 Removing and installing interior door handle

Removal and installation are described for left side of vehicle as an example.

## Removing

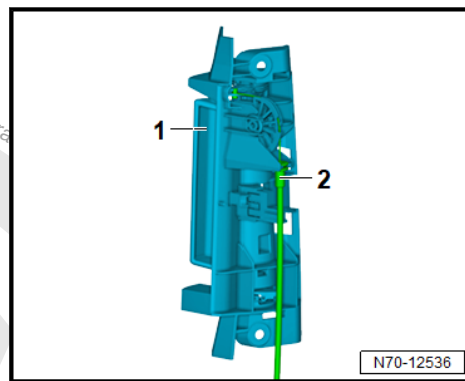
- Remove window frame trim ⇒ Rep. gr. 70 ; Removing and installing window frame trim .

- Unscrew bolts -2-.
- Remove interior door handle -1-.
- Disconnect electrical connector.





- Detach Bowden cable -2- from interior door handle -1-.



### Installing

Install in reverse order of removal, observing the following:

### Tightening torques

- ◆ ⇒ Rep. gr. 70 ; Assembly overview – rear door trim

## 3.4 Removing and installing rear door trim

### Special tools and workshop equipment required

- ◆ Wedge - T10383-

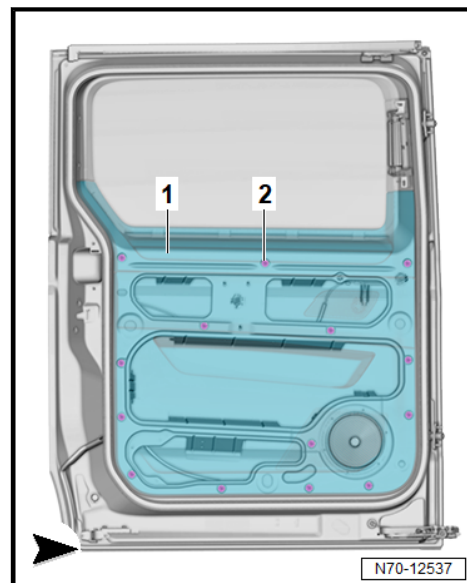
Removal and installation are described for left side of vehicle as an example.

### Removing

- Remove interior door handle trim ⇒ Rep. gr. 70 ; Removing and installing window frame trim, interior door handle trim .



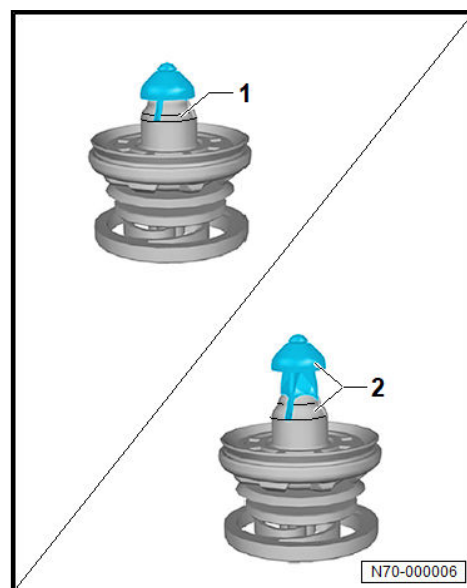
- Use wedge - T10383- to release clips -2-.
- Pull rear door trim -1- out of inner window slot seal far enough to gain access to electrical connectors.
- Disconnect electrical connectors.
- Remove rear door trim -1-.



## Installing

Install in reverse order of removal, observing the following:

- Turn locking mechanism from position -2- to position -1-.
- Important**
- The rear door trim can only be installed when the locking mechanism is in position -1-.



## 3.5 Removing and installing window frame trim

### 3.5.1 Removing and installing window frame trim

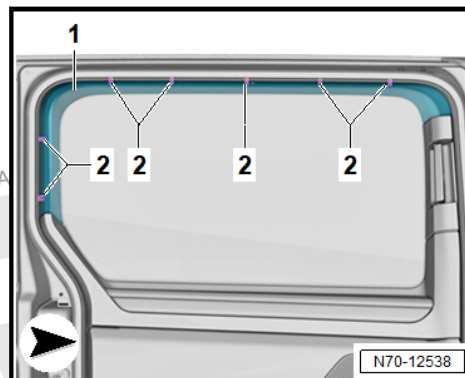
Removal and installation are described for left side of vehicle as an example.



## Removing

- Release rear door trim in upper area ⇒ Rep. gr. 70 ; Removing and installing rear door trim .
- Remove trim for interior door handle ⇒ Rep. gr. 70 ; Removing and installing window frame trim, interior door handle .

- Release retaining clips -2- using commercially available plastic wedge.
- Remove window frame trims -1-.



## Installing

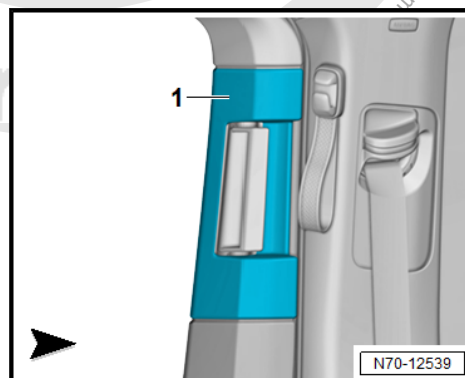
Install in reverse order of removal.

### 3.5.2 Removing and installing window frame trim, interior door handle

Removal and installation are described for the left side of vehicle as an example.

## Removing

- Unclip window frame trim -1- using commercially available plastic wedge, and detach it.



## Installing

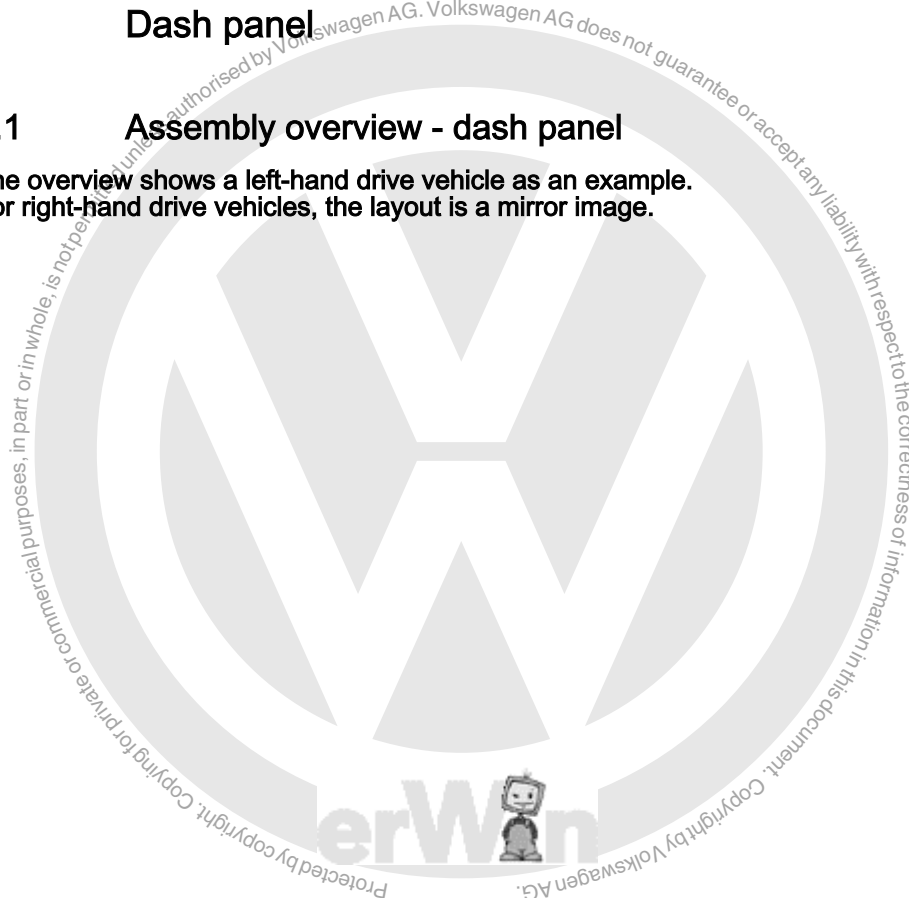
Install in reverse order of removal.



## 4 Dash panel

### 4.1 Assembly overview - dash panel

The overview shows a left-hand drive vehicle as an example.  
For right-hand drive vehicles, the layout is a mirror image.





#### 1 - Bolt

- ☐ Qty. 18
- ☐ ➔ [page 115](#)
- ☐ 1.5 Nm

#### 2 - Centre dash panel cover

- ☐ Top
- ☐ ➔ Rep. gr. 70 ; Removing and installing centre dash panel cover

#### 3 - Cover for dash panel/head-up display

- ☐ ➔ Rep. gr. 70 ; Removing and installing cover for dash panel/head-up display

#### 4 - Dash panel storage compartment

- ☐ Depending on equipment/installation period
- ☐ ➔ Rep. gr. 70 ; Removing and installing dash panel storage compartment

#### 5 - Loudspeaker trim

- ☐ Depending on equipment/installation period
- ☐ ➔ Rep. gr. 70 ; Removing and installing loudspeaker trim

#### 6 - Mounting for loudspeaker

- ☐ Depending on equipment/installation period
- ☐ ➔ Rep. gr. 70 ; Removing and installing loudspeaker mounting

#### 7 - Side defroster vent

- ☐ ➔ Rep. gr. 70 ; Removing and installing side defroster vent

#### 8 - Dash panel end cover

- ☐ Front passenger side
- ☐ ➔ Rep. gr. 70 ; Removing and installing dash panel end cover

#### 9 - Outer dash panel vents

- ☐ ➔ Rep. gr. 70 ; Removing and installing outer dash panel vents

#### 10 - Dash panel trim panel

- ☐ Front passenger side
- ☐ ➔ Rep. gr. 70 ; Removing and installing dash panel trim

#### 11 - Centre dash panel cover

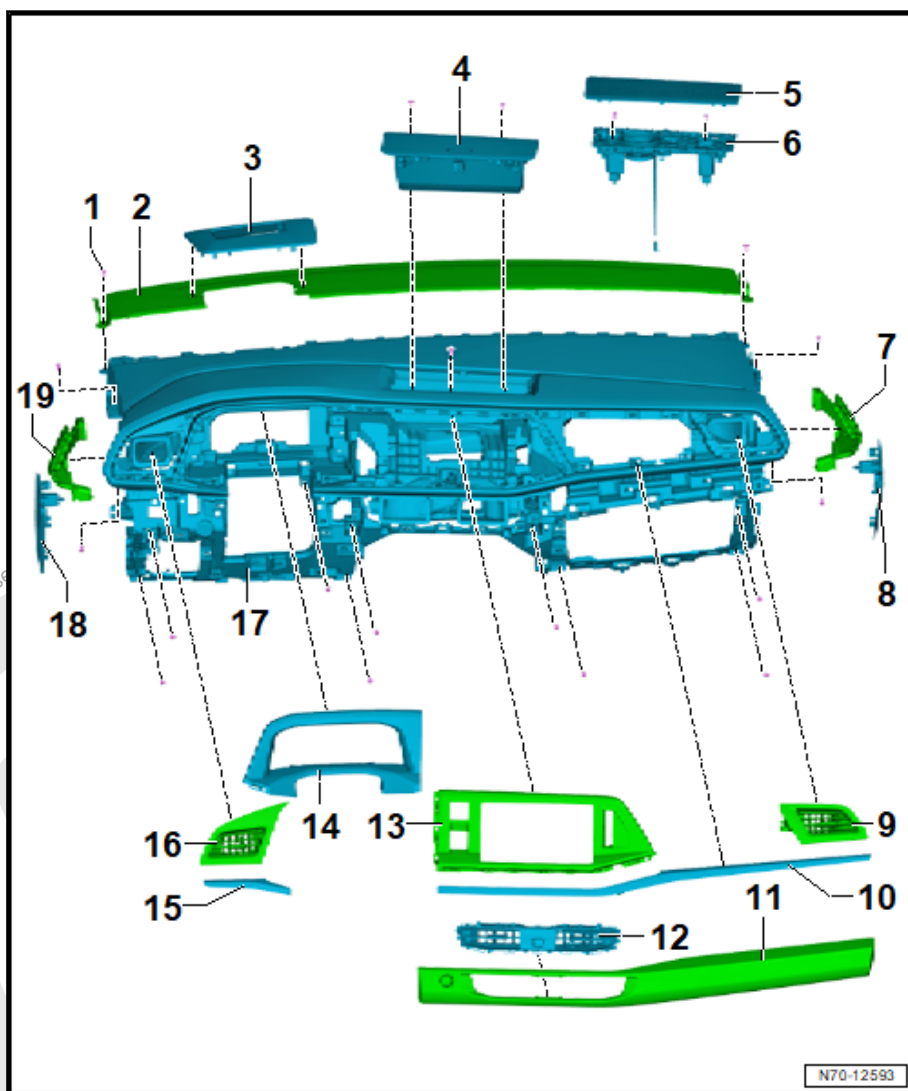
- ☐ Bottom
- ☐ ➔ Rep. gr. 70 ; Removing and installing centre dash panel cover

#### 12 - Centre vent

- ☐ ➔ Rep. gr. 70 ; Removing and installing centre vent

#### 13 - MMI screen cover

- ☐ ➔ Rep. gr. 70 ; Removing and installing cover for MMI screen





#### 14 - Dash panel insert trim

- ☐ ⇒ Rep. gr. 70 ; Removing and installing trim for dash panel insert

#### 15 - Dash panel trim panel

- ☐ Driver side
- ☐ ⇒ Rep. gr. 70 ; Removing and installing dash panel trim

#### 16 - Outer dash panel vents

- ☐ ⇒ Rep. gr. 70 ; Removing and installing outer dash panel vents

#### 17 - Dash panel

- ☐ ⇒ Rep. gr. 70 ; Removing and installing dash panel

#### 18 - Dash panel end cover

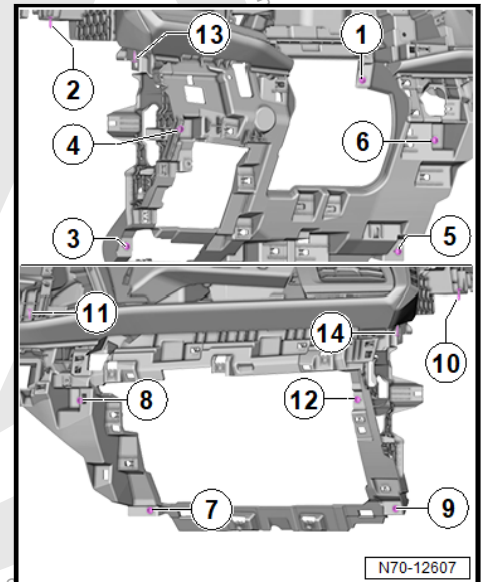
- ☐ Driver side
- ☐ ⇒ Rep. gr. 70 ; Removing and installing dash panel end cover

#### 19 - Side defroster vent

- ☐ ⇒ Rep. gr. 70 ; Removing and installing side defroster vent

#### Dash panel – specified torque and tightening sequence

Bolts	Specified torque/turning further angle
-1- through -14-	1.5 Nm



## 4.2 Removing and installing dash panel end cover

### 4.2.1 Removing and installing dash panel end cover, driver side

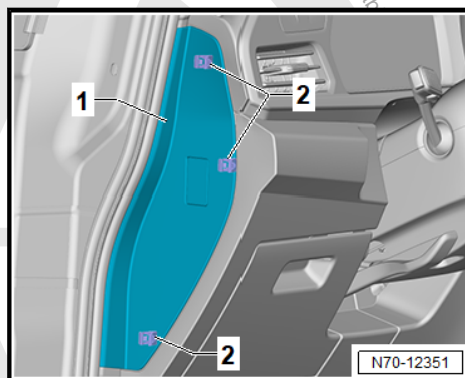
Removal and installation are described for a left-hand drive vehicle as an example.





## Removing

- Release retaining clips -2- using a commercially available plastic wedge, and remove dash panel end cover -1-.



## Installing

Install in reverse order of removal, observing the following:

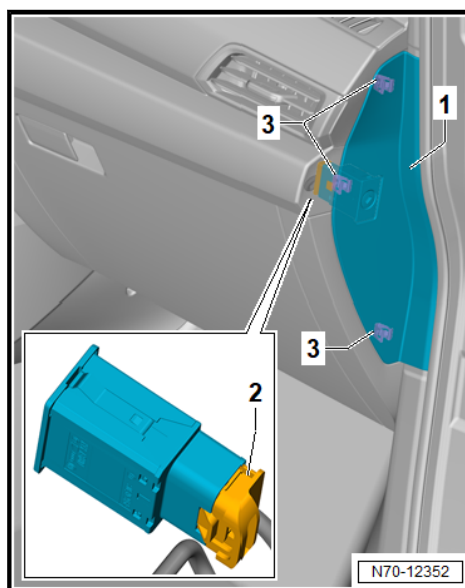
- Restore sealing lip of door seal to installation position.

### 4.2.2 Removing and installing dash panel end cover, front passenger side

Removal and installation are described for a left-hand drive vehicle as an example.

## Removing

- Release retaining clips -3- with a commercially available plastic wedge, and pull off dash panel end cover -1- far enough to gain access to electrical connector.
- Disconnect electrical connector -2-.
- Remove dash panel end cover -1-.





## Installing

Install in reverse order of removal, observing the following:

- Restore sealing lip of door seal to installation position.

## 4.3 Removing and installing dash panel trim

### 4.3.1 Removing and installing dash panel trim, driver side

#### Special tools and workshop equipment required

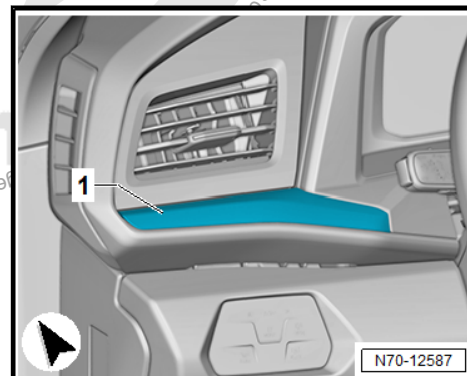
- ◆ removal wedge set - VAS 895 015-

The dash panel trim on driver side will henceforth be referred to as "trim panel".

Removal and installation are described for a left-hand drive vehicle as an example.

## Removing

- Lever off trim panel -1- using removal wedge from removal wedge set - VAS 895 015- and remove it.



## Installing

Install in reverse order of removal.

### 4.3.2 Removing and installing dash panel trim, passenger side

#### Special tools and workshop equipment required

- ◆ removal wedge set - VAS 895 015-

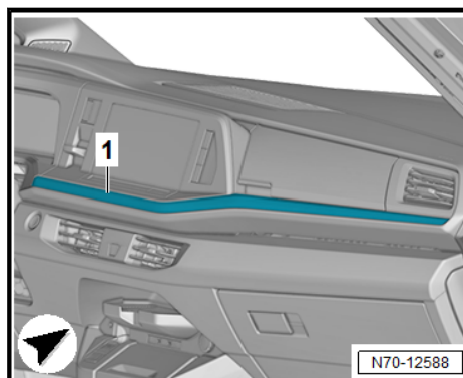
The dash panel trim on front passenger side will henceforth be referred to as "trim panel".

Removal and installation are described for a left-hand drive vehicle as an example.



## Removing

- Lever off trim panel -1- using removal wedge from removal wedge set - VAS 895 015- , and remove it.



## Installing

Install in reverse order of removal, observing the following:

- Clip in dash panel trim on front passenger side starting at driver side.

## 4.4 Removing and installing cover for MMI screen

### Special tools and workshop equipment required

- ♦ removal wedge set - VAS 895 015-

The MMI screen cover will henceforth be referred to as “cover”.

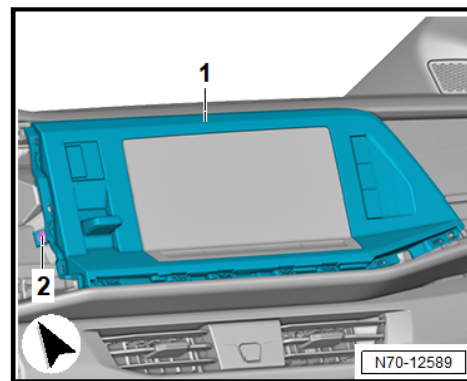
Removal and installation are described for a left-hand drive vehicle as an example.

## Removing

- Remove dash panel trim on front passenger side ⇒ Rep. gr. 70 ; Removing and installing dash panel trim .
- Remove dash panel insert trim ⇒ Rep. gr. 70 ; Removing and installing dash panel insert trim .



- Unscrew bolt -2-.
- Use removal wedge from removal wedge set - VAS 895 015- to lever off cover -1- far enough to gain access to electrical connectors.
- Disconnect electrical connectors.
- Remove cover -1-.



### Installing

Install in reverse order of removal, observing the following:

### Tightening torques

- ◆ ⇒ Rep. gr. 70 ; Assembly overview - dash panel

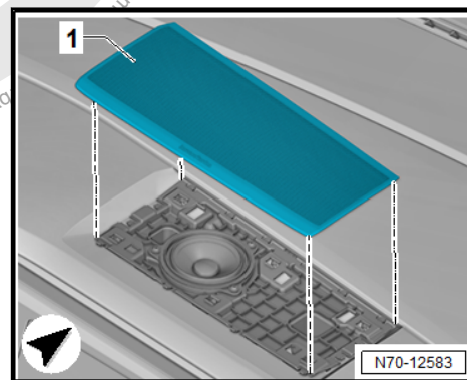
## 4.5 Removing and installing loudspeaker trim

### Special tools and workshop equipment required

- ◆ removal wedge set - VAS 895 015-

### Removing

- Use removal wedge from removal wedge set - VAS 895 015- to lever off loudspeaker trim -1- starting from left side, and remove it.



### Installing

Install in reverse order of removal.

## 4.6 Removing and installing dash panel

Removal and installation are described for a left-hand drive vehicle as an example.



## Removing

- Remove dash panel insert - KX2- ➔ Electrical system; Rep. gr. 90 ; Dash panel insert; Removing and installing dash panel insert [KX2] .
- Remove display unit for front information display and operating unit control unit - J685- ➔ Communication; Rep. gr. 91 ; Components/control units; Removing and installing display unit for front information display and operating unit control unit [J685] .
- Remove steering column electronics control unit - J527- ➔ Electrical system; Rep. gr. 94 ; Steering column switch module; Removing and installing steering column electronics control unit [J527] .
- Remove storage compartment for dash panel ➔ Rep. gr. 70 ; Removing and installing storage compartment for dash panel .
- Remove upper A-pillar trim at rear left and right ➔ Rep. gr. 70 ; Removing and installing upper A-pillar trim .
- Remove centre dash panel trims ➔ Rep. gr. 70 ; Removing and installing centre dash panel trim .
- Remove centre vent ➔ Rep. gr. 70 ; Removing and installing steering centre vent .
- Remove dash panel trim on driver side ➔ Rep. gr. 68 ; Removing and installing dash panel trim on driver side .
- Remove centre console ➔ Rep. gr. 68 ; Removing and installing centre console .
- Remove upper glove compartment ➔ Rep. gr. 68 ; Removing and installing glove compartment .

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## Vehicles with control unit for head-up display - J898-

- Remove control unit for head-up display - J898- ➔ Electrical system; Rep. gr. 90 ; Dash panel insert; Removing and installing control unit for head-up display

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## All vehicles (continued)

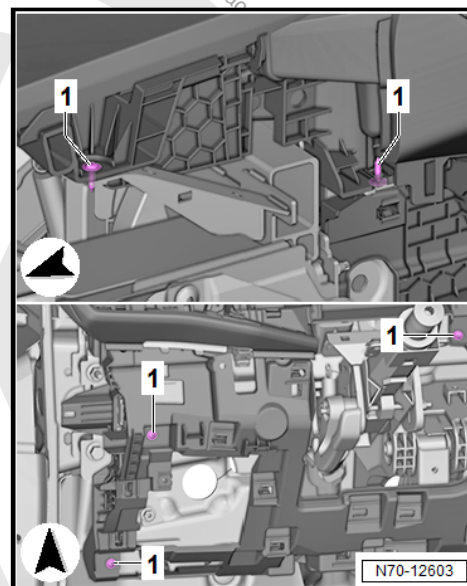
### Vehicles with centre loudspeaker - R208-

- Remove mounting for loudspeaker ➔ Rep. gr. 70 ; Removing and installing mounting for loudspeaker .

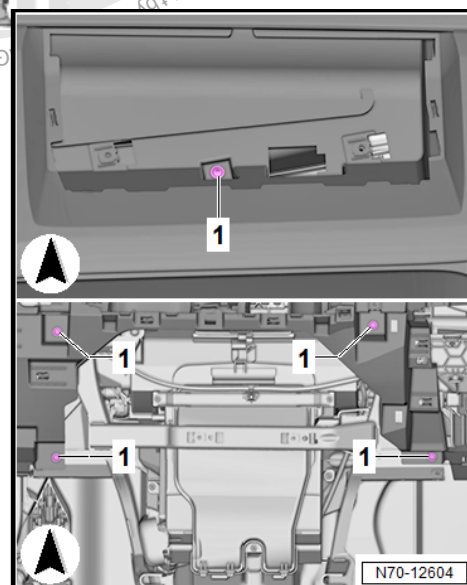


# All vehicles (continued)

- Unscrew bolts -1-.

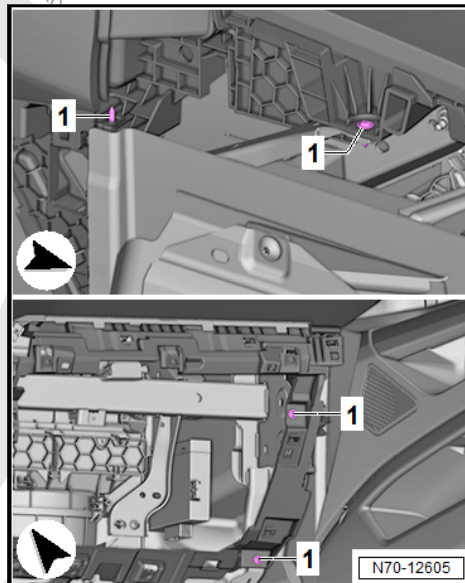


- Unscrew bolts -1-.

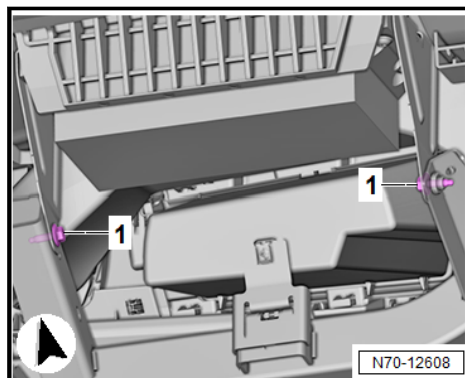




- Unscrew bolts -1-.



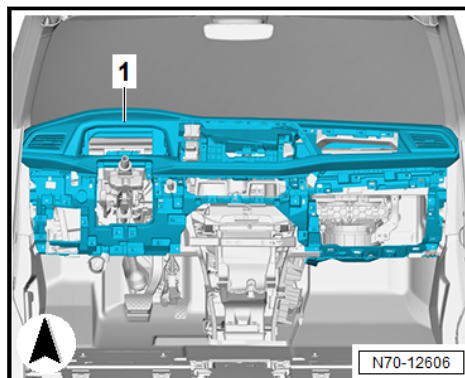
- Unscrew bolts -1-.



- Move wiring harness clear.

#### Important

- The aid of an additional person is required for the subsequent work steps.
- Pull off dash panel -1- far enough for electrical connectors to become accessible.
- Disconnect electrical connectors.
- Remove dash panel -1-, and set it down on a soft surface.







## Installing

Install in reverse order of removal, observing the following:

- Connect electrical connectors until they engage audibly.
- Make sure that no electrical wires are trapped.

## Tightening torques

- ◆ ⇒ Rep. gr. 70 ; Assembly overview - dash panel
- ◆ ⇒ Rep. gr. 69 ; Assembly overview – front passenger air-bag

## 4.7 Removing and installing cover for dash panel/head-up display

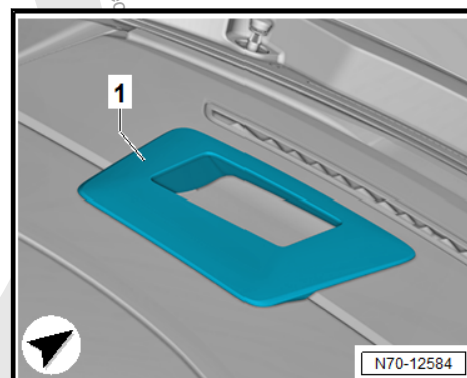
### Special tools and workshop equipment required

- ◆ removal wedge set - VAS 895 015-

The cover for dash panel/head-up display will henceforth be referred to as "cover".

## Removing

- Lever off cover -1- using removal wedge from removal wedge set - VAS 895 015- , and remove it.



## Installing

Install in reverse order of removal.

## 4.8 Removing and installing loudspeaker mounting

### Special tools and workshop equipment required

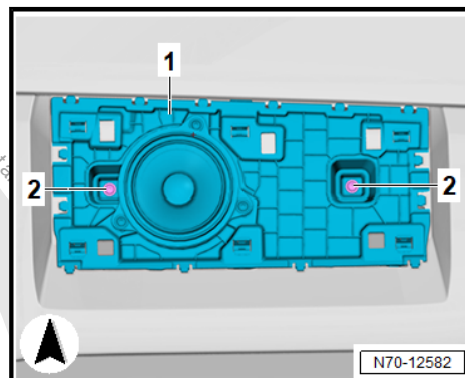
- ◆ removal wedge set - VAS 895 015-



## Removing

- Remove loudspeaker trim ⇒ Rep. gr. 70 ; Removing and installing loudspeaker trim .

- Unscrew bolts -2-.
- Use removal wedge from removal wedge set - VAS 895 015- to lever off loudspeaker mounting -1- far enough to gain access to electrical connector.
- Disconnect electrical connector.
- Remove mounting for loudspeaker -1-.



## Installing

Install in reverse order of removal, observing the following:

### Tightening torques

- ♦ ⇒ Rep. gr. 70 ; Assembly overview - dash panel

## 4.9 Removing and installing outer dash panel vents

### 4.9.1 Removing and installing outer dash panel vent, driver side

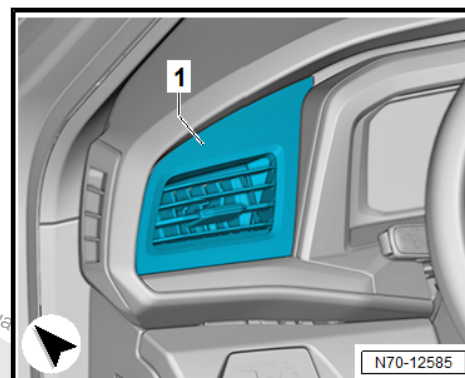
#### Special tools and workshop equipment required

- ♦ removal wedge set - VAS 895 015-



## Removing

- Lever out outer dash panel vent on driver side -1- using removal wedge from removal wedge set - VAS 895 015- , and remove it.



## Installing

Install in reverse order of removal.

### 4.9.2 Removing and installing outer dash panel vents, front passenger side

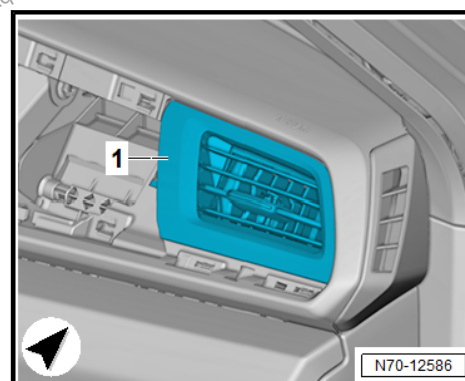
#### Special tools and workshop equipment required

- ◆ removal wedge set - VAS 895 015-

## Removing

- Remove upper glove compartment ⇒ Rep. gr. 68 ; Removing and installing glove compartment .

- Lever out outer dash panel vent on front passenger side -1- using removal wedge from removal wedge set - VAS 895 015- , and remove it.



## Installing

Install in reverse order of removal.

### 4.10 Removing and installing trim for dash panel insert

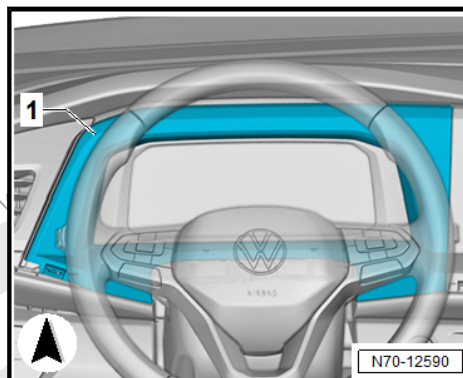
#### Special tools and workshop equipment required



- ♦ removal wedge set - VAS 895 015-

### Removing

- Remove dash panel trims ⇒ Rep. gr. 70 ; Removing and installing dash panel trim .
- Lever off dash panel insert trim -1- using removal wedge from removal wedge set - VAS 895 015- .
- Unclip dash panel insert trim -1- from upper steering column trim, and remove it.



### Installing

Install in reverse order of removal.

## 4.11 Removing and installing centre vent

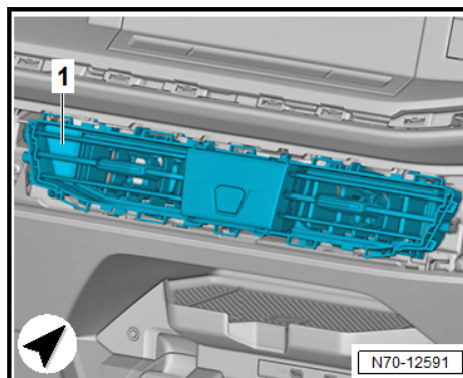
### Special tools and workshop equipment required

- ♦ removal wedge set - VAS 895 015-

### Removing

- Remove lower centre dash panel trim ⇒ Rep. gr. 70 ; Removing and installing centre dash panel trim .

- Use removal wedge from removal wedge set - VAS 895 015- to lever off centre vent -1- far enough to gain access to electrical connector.
- Disconnect electrical connector.
- Remove centre vent -1-.





## Installing

Install in reverse order of removal.

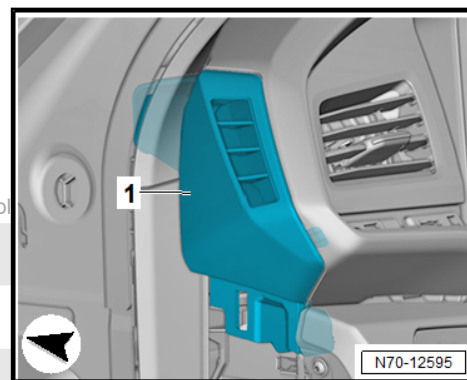
### 4.12 Removing and installing side defroster vent

Removal and installation are described for left side of vehicle as an example.

## Removing

- Remove dash panel end cover ⇒ Rep. gr. 70 ; Removing and installing dash panel end cover .

- Unclip side defroster vent -1- using commercially available plastic wedge, and remove it.



## Installing

Install in reverse order of removal.

### 4.13 Removing and installing centre dash panel cover

#### 4.13.1 Removing and installing centre dash panel cover, top

#### Special tools and workshop equipment required

- ◆ removal pliers - 3392-
- ◆ removal wedge set - VAS 895 015-

The upper centre dash panel cover will henceforth be referred to as "dash panel cover".

## Removing



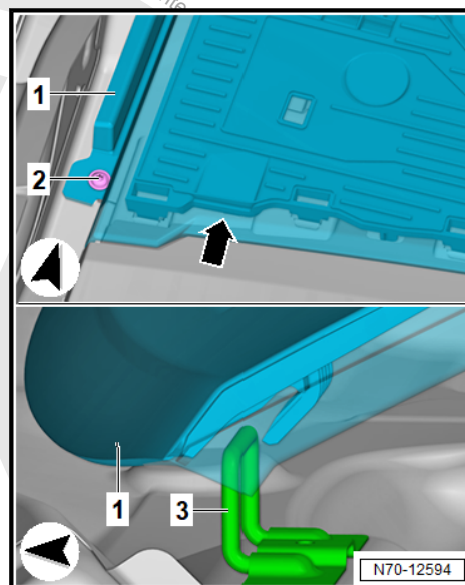
### Vehicles with control unit for head-up display - J898-

- Remove cover for dash panel/head-up display ⇒ Rep. gr. 70 ; Removing and installing cover for dash panel/head-up display .

### All vehicles (continued)

- Remove upper A-pillar trims at front ⇒ Rep. gr. 70 ; Removing and installing upper A-pillar trim .

- Unscrew bolts -2- on left and right.
- Mask off dash panel in area of dash panel cover -1- using commercially available adhesive tape.
- Use removal wedge from removal wedge set - VAS 895 015- to slightly lift up dash panel cover -1-, and fit removal pliers - 3392- in area marked with -arrow-.
- Use removal pliers - 3392- to lever off dash panel cover -1- starting from left.
- Pull dash panel cover -1- out of mountings -3- far enough to gain access to electrical connector.
- Disconnect electrical connector.
- Remove dash panel trim -1-.



### Installing

Install in reverse order of removal, observing the following:

### Tightening torques

- ♦ ⇒ Rep. gr. 70 ; Assembly overview - dash panel

## 4.13.2 Removing and installing centre dash panel cover, bottom

### Special tools and workshop equipment required

- ♦ removal wedge set - VAS 895 015-

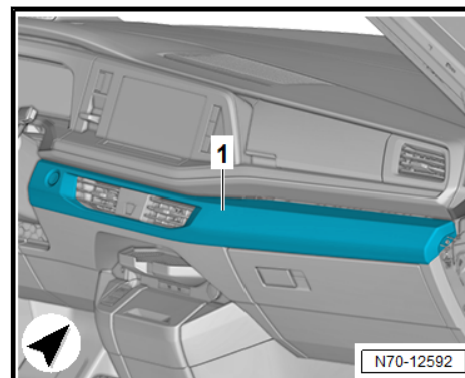
The lower centre dash panel cover will henceforth be referred to as "dash panel cover".

Removal and installation are described for a left-hand drive vehicle as an example.



## Removing

- Remove dash panel end cover on front passenger side  
⇒ Rep. gr. 70 ; Removing and installing dash panel end cover .
- Use removal wedge from removal wedge set - VAS 895 015- to lever off dash panel cover -1- far enough to gain access to electrical connector.
- Disconnect electrical connector.
- Remove dash panel trim -1-.



## Installing

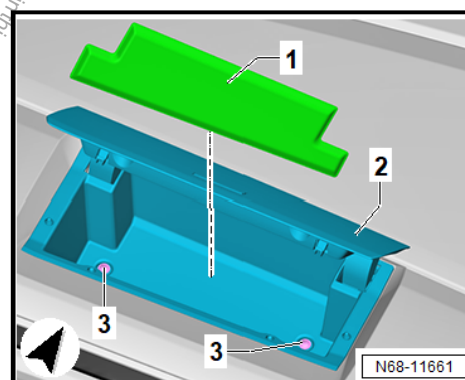
Install in reverse order of removal, observing the following:

- Clip in dash panel cover starting from left.

## 4.14 Removing and installing dash panel storage compartment

### Removing

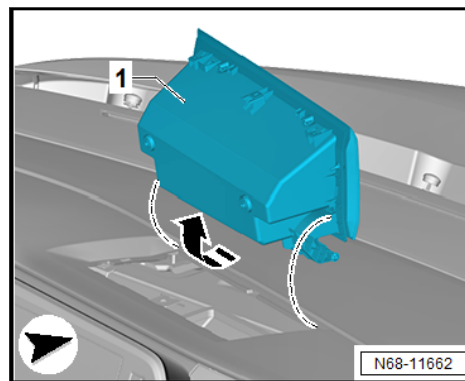
- Open storage compartment for dash panel -2-.
- Remove lining mat -1-.
- Unscrew bolts -3-.







- Remove storage compartment for dash panel -1- in direction of -arrow-.

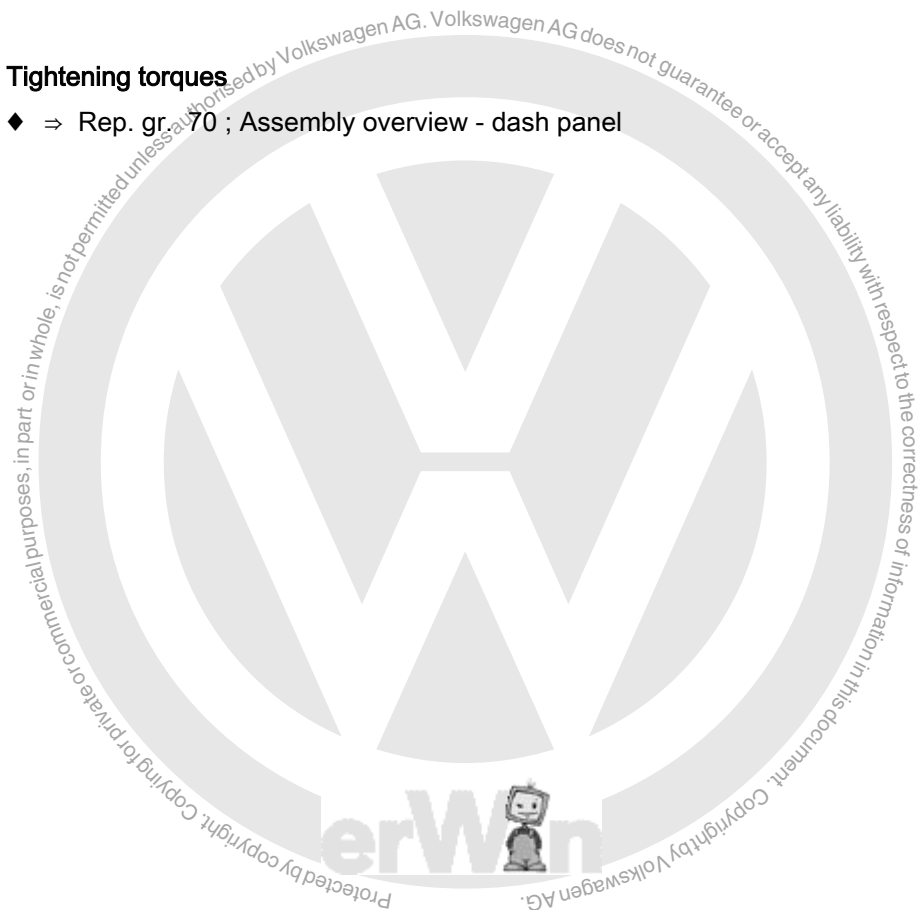


### Installing

Install in reverse order of removal, observing the following:

### Tightening torques

- ◆ ⇒ Rep. gr. 70 ; Assembly overview - dash panel



## 5 Central tube for dash panel

### 5.1 Assembly overview – dash panel cross member

#### 5.1.1 Assembly overview – dash panel cross member, left-hand drive vehicles

##### 1 - Dash panel cross member

- ☐ ⇒ Rep. gr. 70 ; Removing and installing dash panel cross member

##### 2 - Bolt

- ☐ 20 Nm

##### 3 - Bolt

- ☐ Qty. 3
- ☐ 4 Nm

##### 4 - Bolt

- ☐ Qty. 2
- ☐ 20 Nm

##### 5 - Stud

- ☐ Qty. 2
- ☐ 20 Nm

##### 6 - Nut

- ☐ Qty. 2
- ☐ 20 Nm

##### 7 - Nut

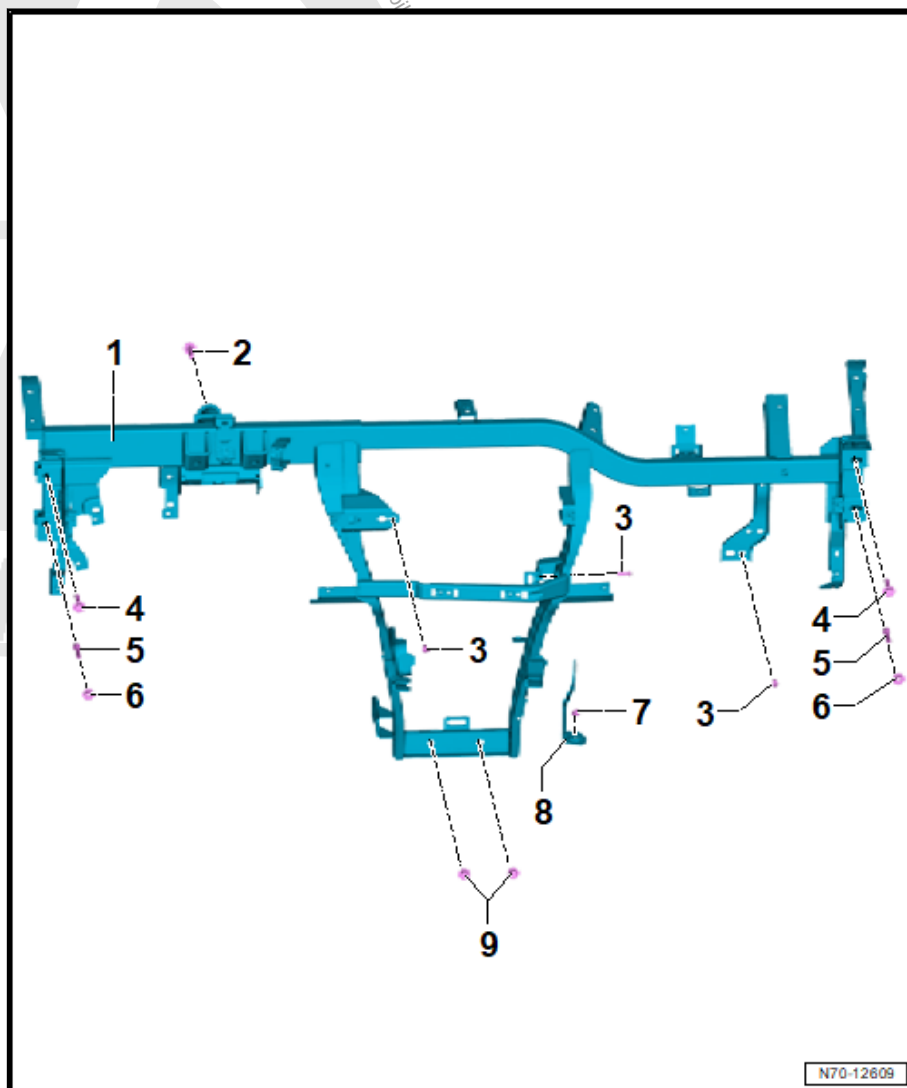
- ☐ 8 Nm

##### 8 - Bracket

- ☐ For centre console

##### 9 - Bolt

- ☐ Qty. 2
- ☐ 20 Nm



#### 5.1.2 Assembly overview – dash panel cross member, right-hand drive vehicles



**1 - Dash panel cross member**

- ❑ ⇒ Rep. gr. 70 ; Removing and installing dash panel cross member

**2 - Bolt**

- ❑ 20 Nm

**3 - Bolt**

- ❑ Qty. 3
- ❑ 4 Nm

**4 - Bolt**

- ❑ 20 Nm

**5 - Stud**

- ❑ Qty. 2
- ❑ 20 Nm

**6 - Bolt**

- ❑ Qty. 2
- ❑ 20 Nm

**7 - Nut**

- ❑ Qty. 2
- ❑ 20 Nm

**8 - Crash bar**

- ❑ ⇒ Rep. gr. 70 ; Removing and installing crash bar

**9 - Bolt**

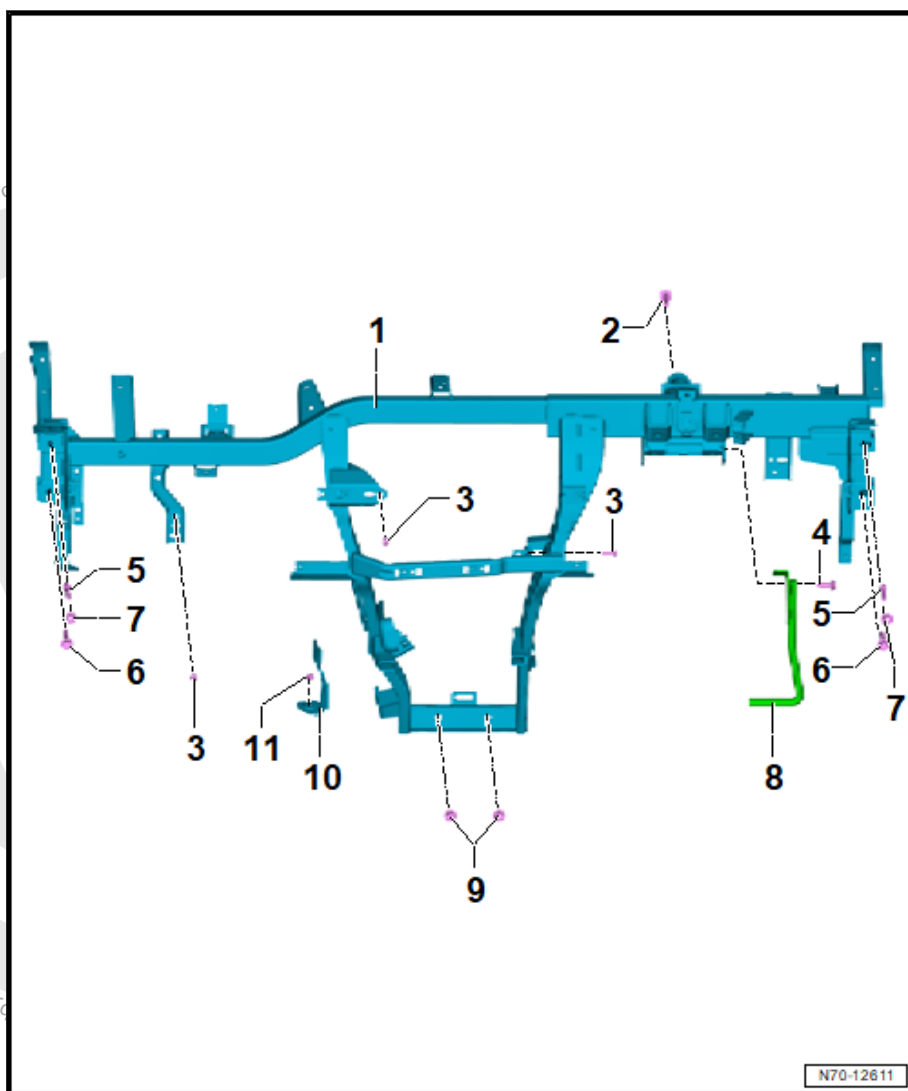
- ❑ Qty. 2
- ❑ 20 Nm

**10 - Bracket**

- ❑ For centre console

**11 - Nut**

- ❑ 8 Nm



## 5.2 Removing and installing dash panel cross member

Dash panel cross member will henceforth be referred to as "cross member".

Removal and installation are described for a left-hand drive vehicle as an example.

### Removing

- Remove plenum chamber cover ⇒ General body repairs, exterior; Rep. gr. 50 ; Plenum chamber bulkhead; Removing and installing plenum chamber cover .
- Remove dash panel ⇒ Rep. gr. 70 ; Removing and installing dash panel .



- Remove front floor covering ⇒ Rep. gr. 70 ; Removing and installing floor covering .
- Remove dash panel insulation.
- Remove footwell vent on driver side ⇒ Heating, air conditioning; Rep. gr. 87 ; Air duct; Removing and installing footwell vent on driver side .
- Remove footwell vent on front passenger side ⇒ Heating, air conditioning; Rep. gr. 87 ; Air duct; Removing and installing footwell vent on front passenger side .
- Remove air duct for defrost function vent ⇒ Heating, air conditioning system; Rep. gr. 87 ; Air duct system; Removing and installing air duct for defrost function vent .
- Remove air duct for centre dash panel vent ⇒ Heating, air conditioning system; Rep. gr. 87 ; Air duct system; Removing and installing air duct for centre dash panel vent .
- Remove bracket for control unit 1 for information electronics - J794- ⇒ Communication; Rep. gr. 91 ; Removing and installing bracket for control unit 1 for information electronics [J794] .
- Release bracket for onboard supply control unit - J519- ⇒ Electrical system; Rep. gr. 97 ; Control units; Removing and installing bracket for onboard supply control unit [J519] .
- Remove emergency call module control unit and communication unit - J949- ⇒ Communication; Rep. gr. 91 ; Components/control units; Removing and installing emergency call module control unit and communication unit [J949] .
- Remove heater and air conditioning system control unit - J979- ⇒ Heating, air conditioning system; Rep. gr. 87 ; Other control components; Removing and installing heater and air conditioning system control unit [J979] .
- Detach steering column from cross member ⇒ Running gear, axles, steering; Rep. gr. 48 ; Steering column; Removing and installing steering column .

#### Right-hand drive vehicles

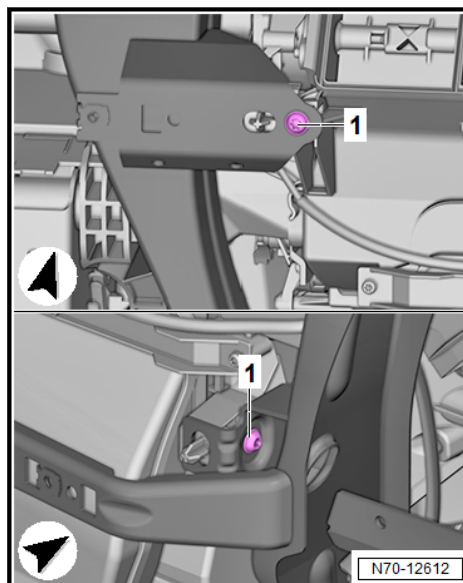
- Remove interface for entry and start system - J965- ⇒ Electrical system; Rep. gr. 94 ; Entry and start authorisation; Removing and installing interface for entry and start system [J965] .

#### All vehicles (continued)

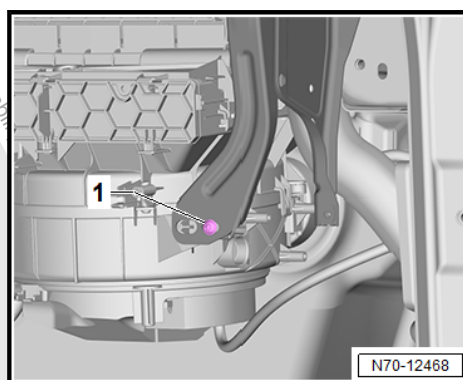
- Mark installation position of cross member for reinstallation.



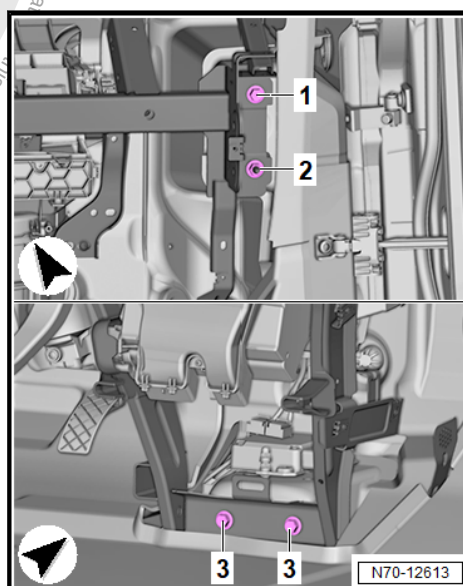
- Unscrew bolts -1-.



- Unscrew bolt -1-.

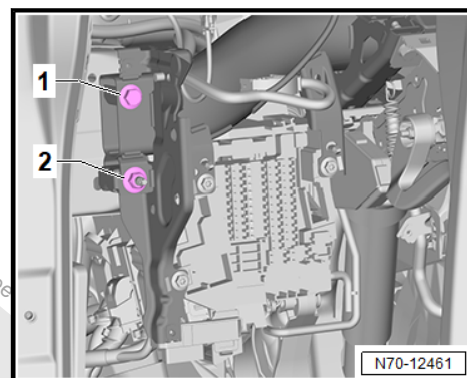


- Unscrew bolts -1- and -3-.
- Unscrew nut -2-.

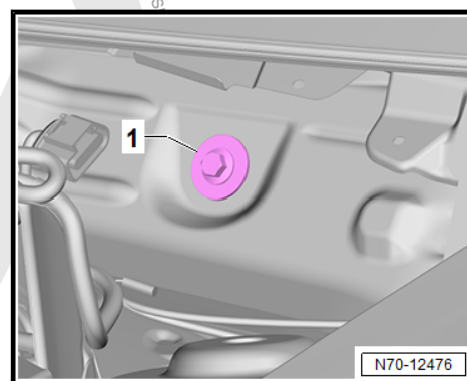




- Unscrew bolt -1-.
- Unscrew nut -2-.



- Unscrew bolt -1-.



- Move aside wiring harness on cross member.
- Detach cross member, and slightly pull it towards rear.

#### Important

- The aid of an additional person is required for the subsequent work steps.
- Remove cross member.

#### Installing

Install in reverse order of removal, observing the following:

#### ! NOTICE

**Malfunctions due to poor earth.**

- Keep earth points free of paint, coatings and corrosion.
- The contact surfaces between the left and right tunnel supports and the tunnel must be paint-free on both sides.
- Bring cross member into installation position.



- Connect electrical connectors until they engage audibly.
- Make sure that no electrical wires are trapped.

### Tightening torques

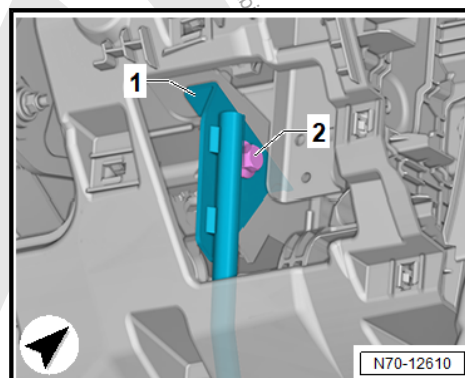
- ◆ ⇒ Rep. gr. 70 ; Assembly overview – dash panel cross member

## 5.3 Removing and installing crash bar

### Removing

- Remove dash panel trim on driver side ⇒ Rep. gr. 68 ; Removing and installing dash panel trim on driver side .
- Remove lower steering column trim ⇒ Rep. gr. 68 ; Removing and installing lower steering column trim
- Remove footwell cover on driver side ⇒ Rep. gr. 68 ; Removing and installing footwell cover on driver side .

- Unscrew bolt -2-.
- Remove crash bar -1-, and guide it out towards bottom.



### Installing

Install in reverse order of removal, observing the following:

- Make sure that crash bar is flat.

### Tightening torques

- ◆ ⇒ Rep. gr. 70 ; Assembly overview – dash panel cross member





## 6 Interior trims

### 6.1 Assembly overview – A-pillar trim

The overview shows the left side of a left-hand drive vehicle as an example. For right-hand drive vehicles, the layout is a mirror image.

#### 1 - Upper A-pillar trim

- ☐ Rear
- ☐ ⇒ Rep. gr. 70 ; Removing and installing upper A-pillar trim, rear

#### 2 - Upper A-pillar trim

- ☐ Front
- ☐ ⇒ Rep. gr. 70 ; Removing and installing upper A-pillar trim, front

#### 3 - Upper A-pillar trim

- ☐ Trim
- ☐ ⇒ Rep. gr. 70 ; Removing and installing upper A-pillar trim, trim panel

#### 4 - A-pillar gap cover

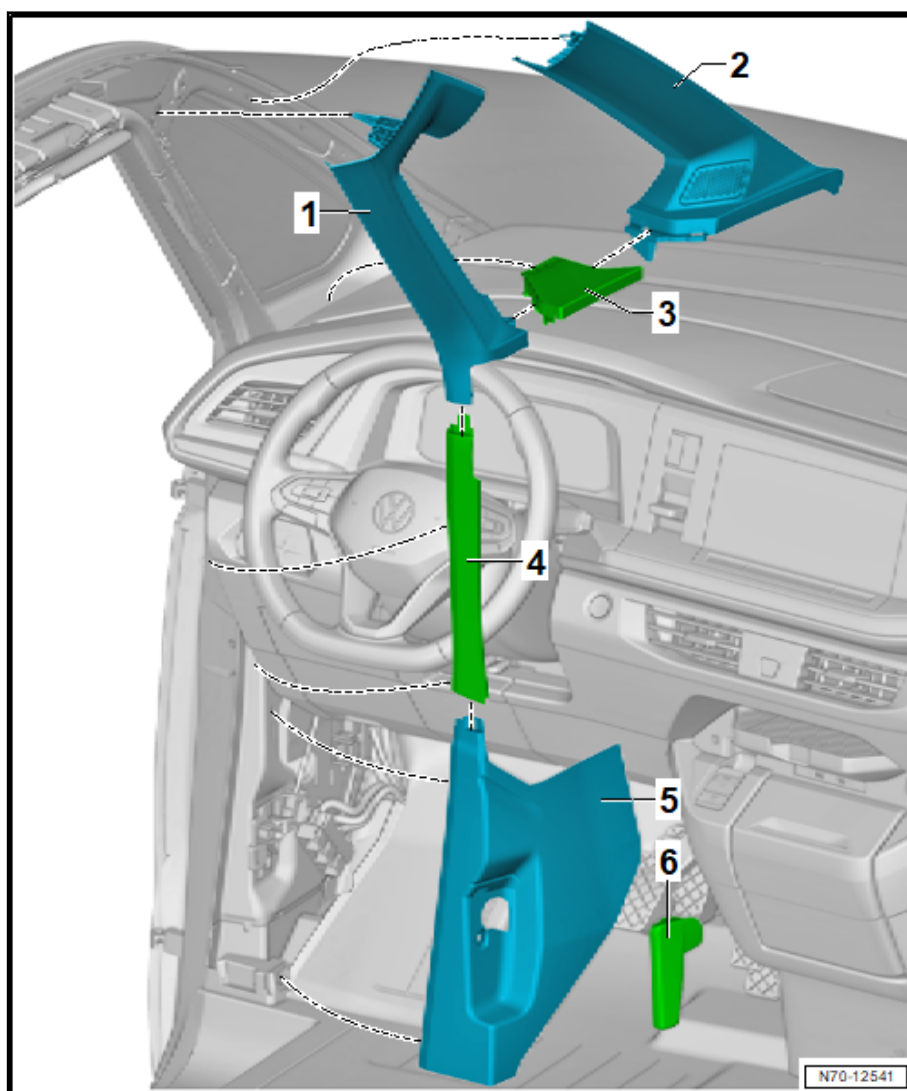
- ☐ ⇒ Rep. gr. 70 ; Removing and installing A-pillar gap cover

#### 5 - Lower A-pillar trim

- ☐ ⇒ Rep. gr. 70 ; Removing and installing lower A-pillar trim

#### 6 - Bonnet lock operating lever

- ☐ ⇒ General body repairs, exterior; Rep. gr. 55 ; Bonnet; Removing and installing bonnet lock release lever



### 6.2 Assembly overview – B-pillar trim

The overview shows the left side of a left-hand drive vehicle as an example. For right-hand drive vehicles, the layout is a mirror image.



#### 1 - Coat hook

- ❑ Only to be renewed along with retaining loop

#### 2 - Bolt

- ❑ Qty. 2
- ❑ 8 Nm

#### 3 - Retaining loop

#### 4 - Retaining loop bracket

- ❑ ⇒ Rep. gr. 70 ; Removing and installing upper B-pillar trim

#### 5 - Bolt

- ❑ Qty. 3
- ❑ 8 Nm

#### 6 - Guide

- ❑ For curtain airbag
- ❑ ⇒ Rep. gr. 70 ; Removing and installing upper B-pillar trim

#### 7 - Bolt

- ❑ 2 Nm

#### 8 - Grab handle bracket

- ❑ ⇒ Rep. gr. 68 ; Removing and installing grab handle bracket

#### 9 - Bolt

- ❑ 8 Nm

#### 10 - Upper part of B-pillar trim

- ❑ ⇒ Rep. gr. 70 ; Removing and installing upper B-pillar trim

#### 11 - Left sliding door button 2 - E732-

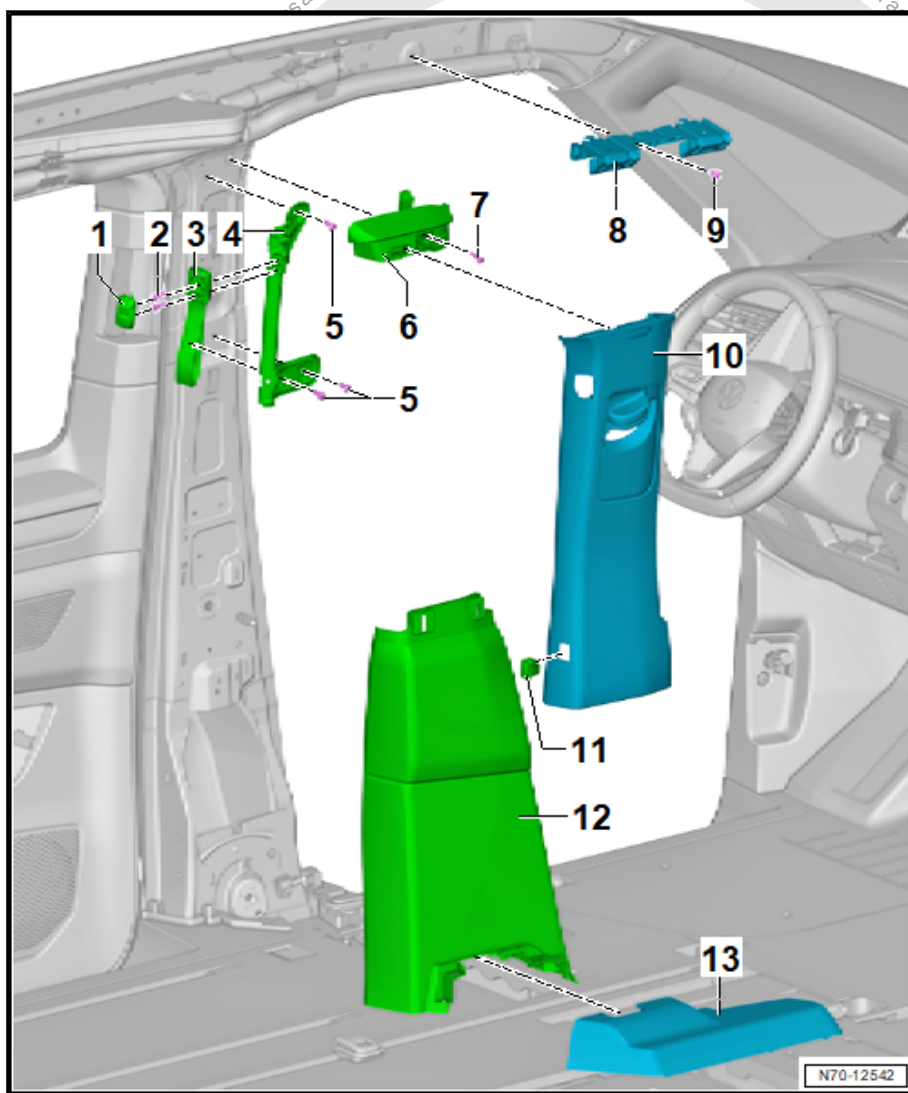
- ❑ Depending on equipment/installation period
- ❑ ⇒ Electrical system; Rep. gr. 96 ; Controls; Removing and installing sliding door button 2 [E732]/[E733]

#### 12 - Lower B-pillar trim

- ❑ ⇒ Rep. gr. 70 ; Removing and installing lower B-pillar trim

#### 13 - Belt tensioner cover

- ❑ ⇒ Rep. gr. 70 ; Removing and installing lower B-pillar trim



### 6.3 Assembly overview – C-pillar trim

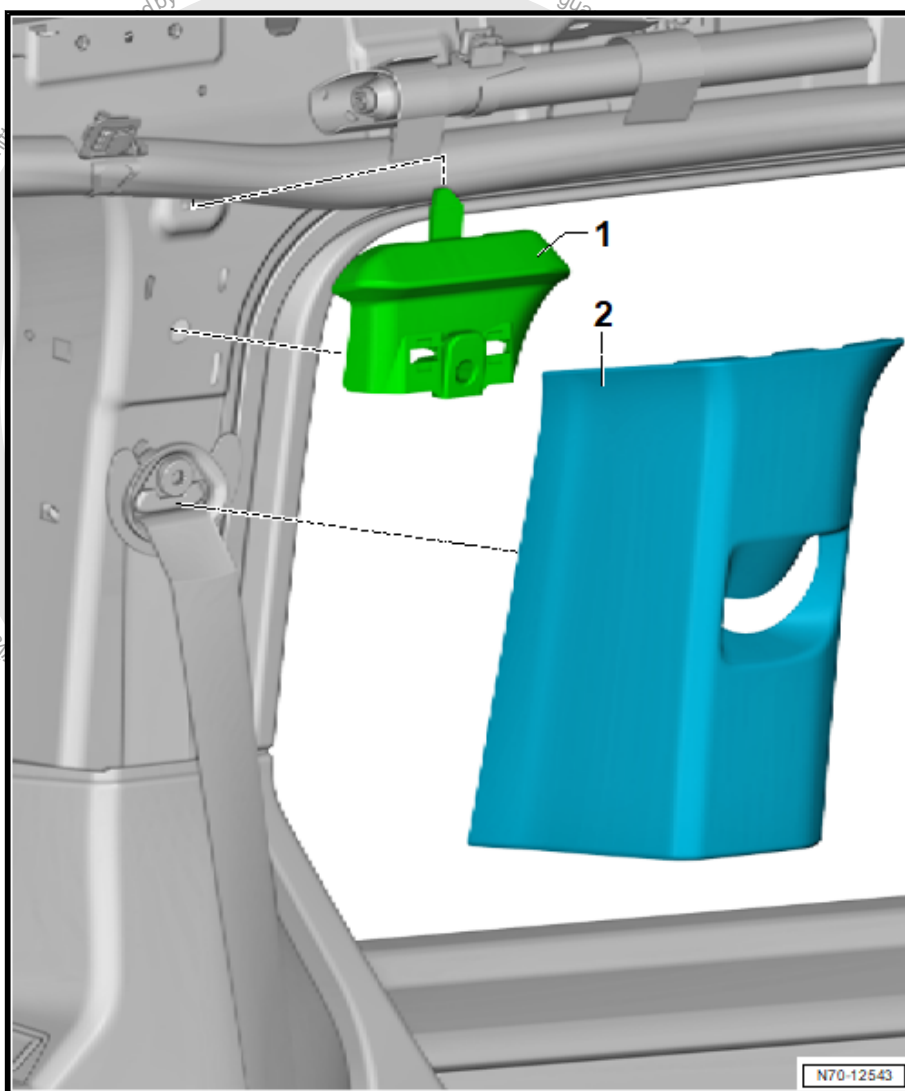
The overview is shown for the left side of the vehicle as an example.

### 1 - Guide

- ❑ For curtain airbag
- ❑ ⇒ Rep. gr. 70 ; Removing and installing C-pillar trim

### 2 - C-pillar trim

- ❑ ⇒ Rep. gr. 70 ; Removing and installing C-pillar trim



## 6.4 Assembly overview – side trim

### 6.4.1 Assembly overview - side trim

The overview is shown for the left side of the vehicle as an example.



**1 - Belt exit point trim**

**2 - Side trim**

- ❑ ⇒ Rep. gr. 70 ; Removing and installing side trim

**3 - Bolt**

- ❑ Qty. 2
- ❑ 3 Nm

**4 - Electric torch**

- ❑ Depending on equipment/installation period

**5 - Trim**

- ❑ Depending on equipment/installation period

**6 - Lock carrier trim**

- ❑ ⇒ Rep. gr. 70 ; Removing and installing lock carrier trim

**7 - Bolt**

- ❑ Qty. 2
- ❑ 20 Nm

**8 - Fastening ring**

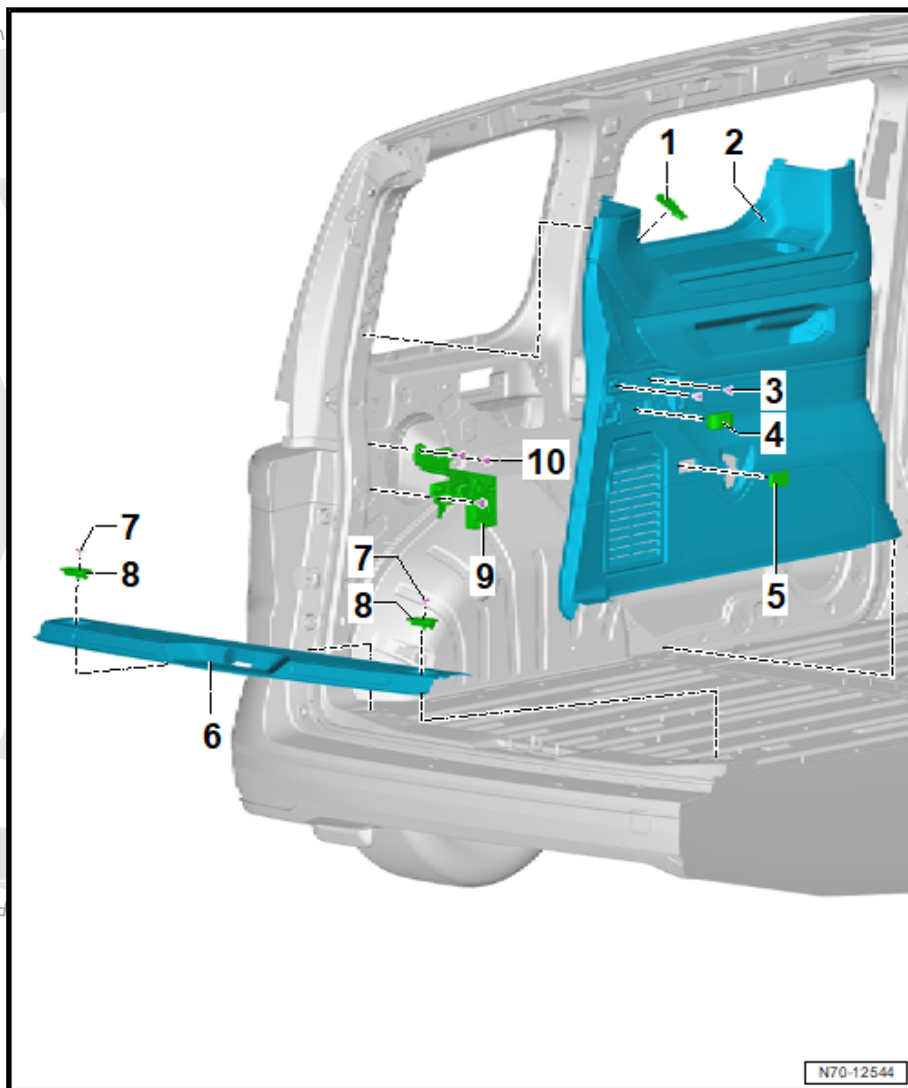
- ❑ Qty. 2
- ❑ ⇒ Rep. gr. 70 ; Removing and installing fastening rings

**9 - Luggage/load compartment floor holder**

- ❑ Depending on equipment/installation period
- ❑ ⇒ Rep. gr. 70 ; Removing and installing side trim

**10 - Bolt**

- ❑ Qty. 3
- ❑ 8 Nm



## 6.4.2 Assembly overview – side trim, vehicles with bed frame

The overview is shown for the left side of the vehicle as an example.

#### 1 - Belt exit point trim

#### 2 - Side trim

- ☐ ⇒ Rep. gr. 70 ; Removing and installing side trim

#### 3 - Trim collar

- ☐ Outer section

#### 4 - Electric torch

- ☐ Depending on equipment/installation period

#### 5 - Trim

- ☐ Depending on equipment/installation period

#### 6 - Lock carrier trim

- ☐ ⇒ Rep. gr. 70 ; Removing and installing lock carrier trim

#### 7 - Fastening ring

- ☐ Qty. 2
- ☐ ⇒ Rep. gr. 70 ; Removing and installing fastening rings

#### 8 - Bolt

- ☐ Qty. 2
- ☐ 20 Nm

#### 9 - Bed frame holder

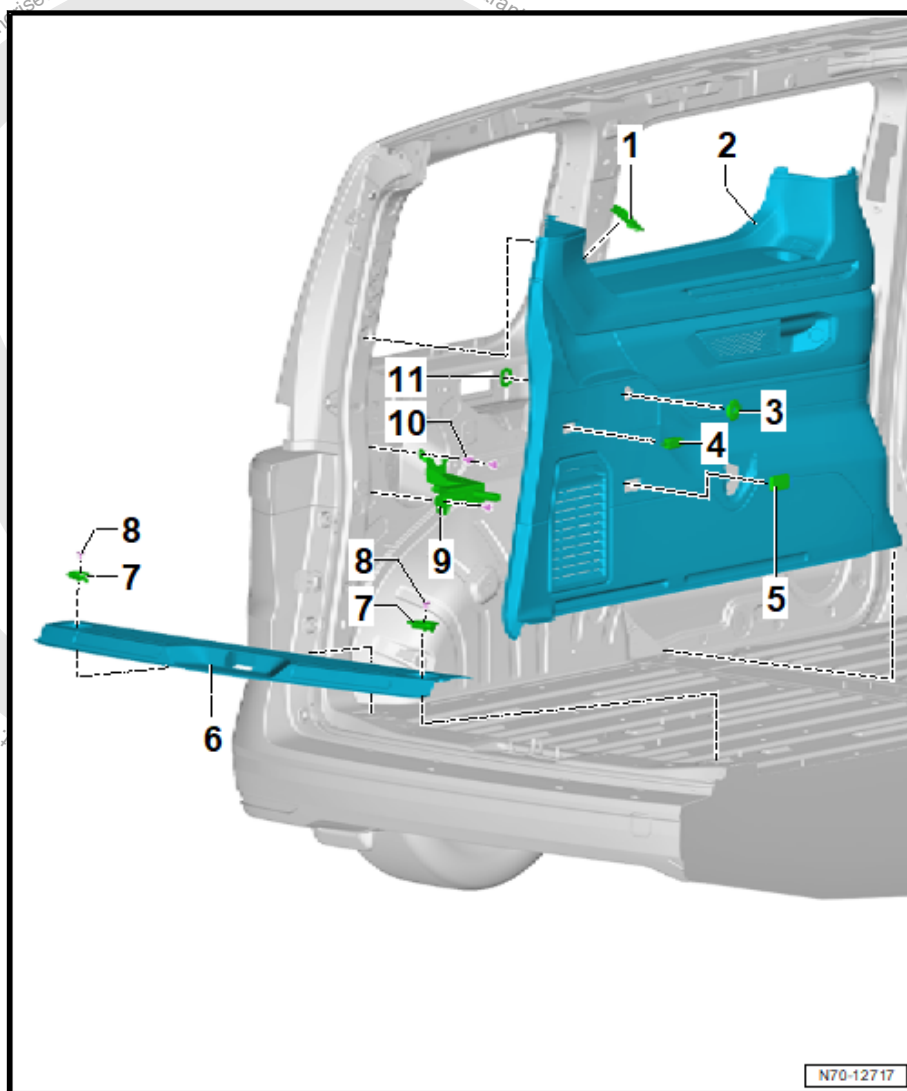
- ☐ ⇒ Rep. gr. 70 ; Removing and installing side trim

#### 10 - Bolt

- ☐ Qty. 3
- ☐ Renew after removing
- ☐ 10 Nm

#### 11 - Trim collar

- ☐ Inner part



## 6.5 Assembly overview – foot rest and floor covering

### 6.5.1 Assembly overview - foot rest and floor covering, short overhang

The overview shows a left-hand drive vehicle as an example.  
For right-hand drive vehicles, the layout is a mirror image.





**1 - Button**

- Qty. 2

**2 - Front floor covering**

- Depending on equipment/installation period
- ⇒ Rep. gr. 70 ; Removing and installing floor covering

**3 - Cover strip**

**4 - Rear footwell vent**

- ⇒ Heating, air conditioning; Rep. gr. 87 ; Air duct; Removing and installing rear footwell vent

**5 - Seat rails**

- ⇒ Rep. gr. 72 ; Assembly overview – seat rails
- ⇒ Rep. gr. 72 ; Removing and installing seat rails

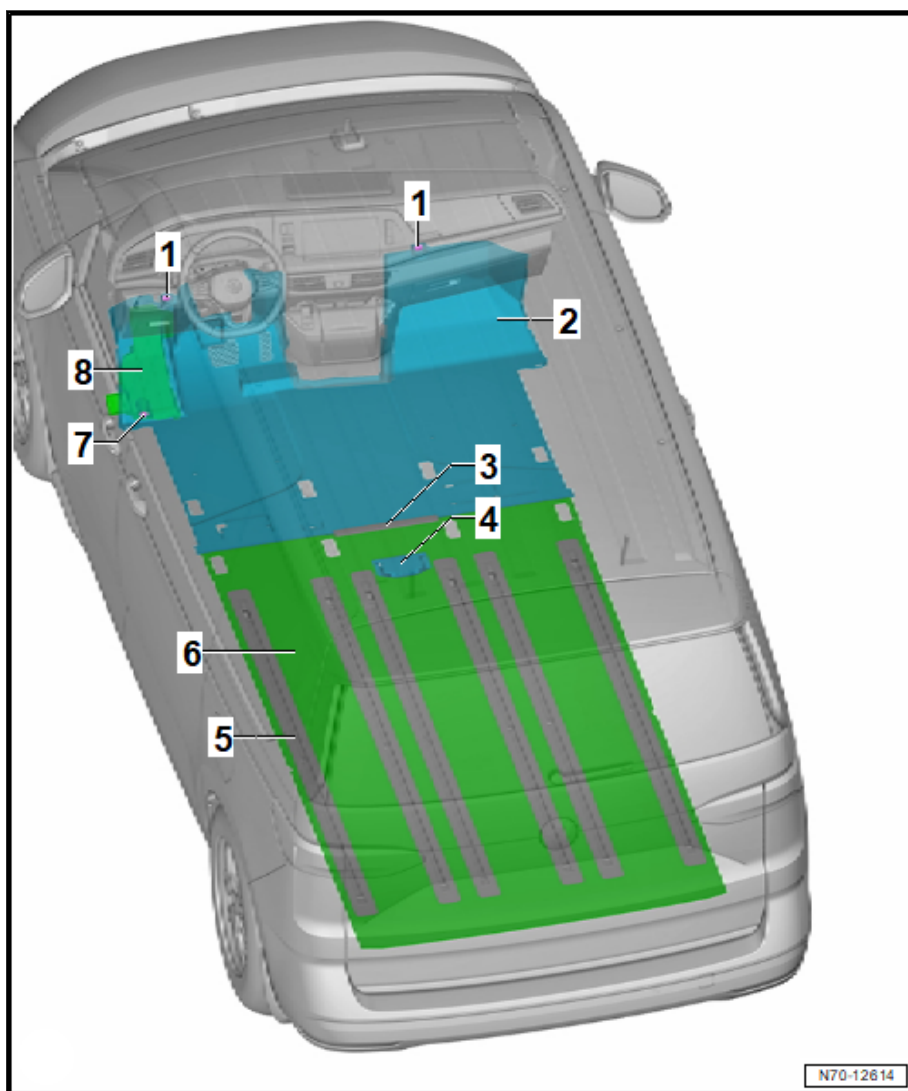
**6 - Rear floor covering**

- Depending on equipment/installation period
- ⇒ Rep. gr. 70 ; Removing and installing floor covering

**7 - Button**

**8 - Foot rest**

- ⇒ Rep. gr. 70 ; Removing and installing foot rest



liability with respect to the correctness of information in this p

## 6.5.2 Assembly overview - foot rest and floor covering, long overhang

The overview shows a left-hand drive vehicle as an example.  
For right-hand drive vehicles, the layout is a mirror image.



#### 1 - Button

- ☐ Qty. 2

#### 2 - Front floor covering

- ☐ Depending on equipment/installation period
- ☐ ⇒ Rep. gr. 70 ; Removing and installing floor covering

#### 3 - Cover strip

#### 4 - Rear footwell vent

- ☐ ⇒ Heating, air conditioning; Rep. gr. 87 ; Air duct; Removing and installing rear footwell vent

#### 5 - Seat rails

- ☐ ⇒ Rep. gr. 72 ; Assembly overview – seat rails
- ☐ ⇒ Rep. gr. 72 ; Removing and installing seat rails

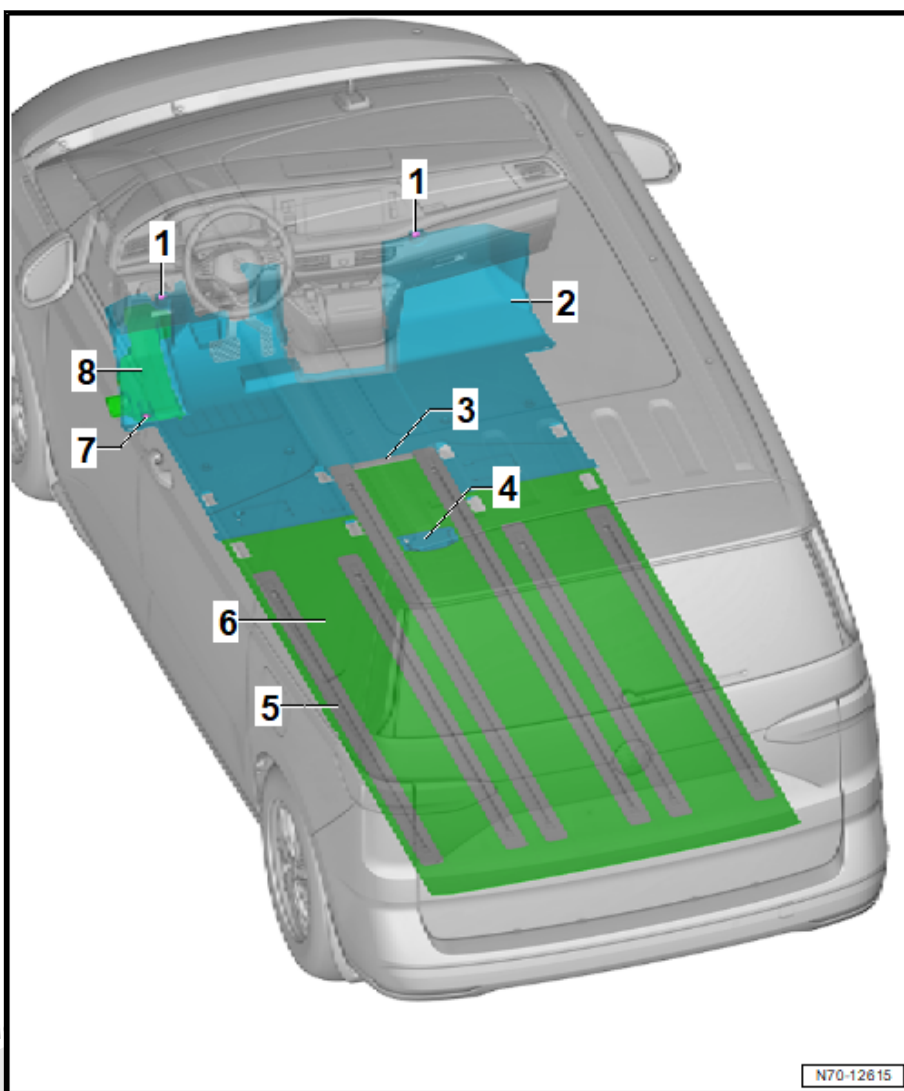
#### 6 - Rear floor covering

- ☐ Depending on equipment/installation period
- ☐ ⇒ Rep. gr. 70 ; Removing and installing floor covering

#### 7 - Button

#### 8 - Foot rest

- ☐ ⇒ Rep. gr. 70 ; Removing and installing foot rest



## 6.6 Removing and installing front sill panel moulding

### 6.6.1 Removing and installing front sill panel moulding, step insert

Removal and installation are described for the left side of vehicle as an example.

#### Removing

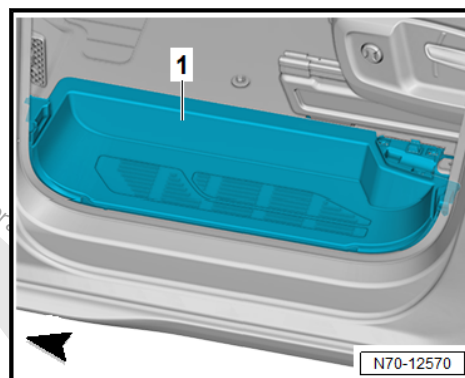
- Remove lower A-pillar trim ⇒ Rep. gr. 70 ; Removing and installing lower A-pillar trim .
- Remove lower B-pillar trim ⇒ Rep. gr. 70 ; Removing and installing lower B-pillar trim .







- Expose inner door seal in area of step insert -1-.
- Unclip step insert -1- using commercially available plastic wedge, and detach it.



### Installing

Install in reverse order of removal, observing the following:

- Make sure that step insert is located in the beading of the inner door seal.

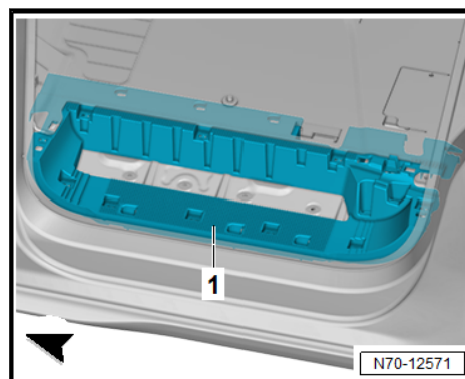
### 6.6.2 Removing and installing front step insert, step reinforcement

Removal and installation are described for the left side of vehicle as an example.

### Removing

- Remove front step insert ⇒ Rep. gr. 70 ; Removing and installing front sill panel moulding, step insert .
- Remove seat frame of front seat ⇒ Rep. gr. 72 ; Removing and installing front seat, seat frame .

- Unclip step reinforcement -1- using commercially available plastic wedge, and detach it.





## Installing

Install in reverse order of removal.

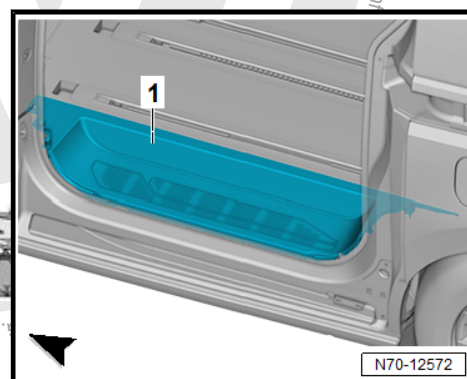
### 6.7 Removing and installing rear sill panel moulding

#### 6.7.1 Removing and installing rear sill panel moulding, step insert

Removal and installation are described for the left side of vehicle as an example.

## Removing

- Remove lower B-pillar trim ⇒ Rep. gr. 70 ; Removing and installing lower B-pillar trim .
- Remove side trim ⇒ Rep. gr. 70 ; Removing and installing side trim .
- Unclip step insert -1- using commercially available plastic wedge, and detach it.



## Installing

Install in reverse order of removal.

### 6.7.2 Removing and installing rear step insert, step reinforcement

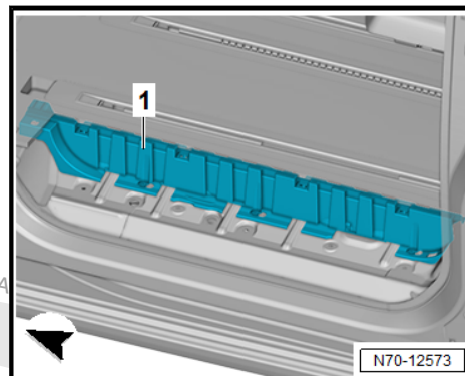
Removal and installation are described for left side of vehicle as an example.

## Removing

- Remove step insert ⇒ Rep. gr. 70 ; Removing and installing rear sill panel moulding, step insert .
- Remove rear floor covering ⇒ Rep. gr. 70 ; Removing and installing rear floor covering .



- Unclip step reinforcement -1- using commercially available plastic wedge, and detach it.



## Installing

Install in reverse order of removal.

## Tightening torques

### 6.8 Removing and installing upper A-pillar trim

#### 6.8.1 Removing and installing upper A-pillar trim, front

##### Special tools and workshop equipment required

- ♦ wedge - T10383-

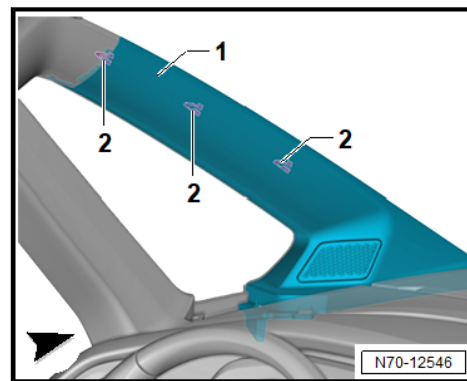
Removal and installation are described for left side of vehicle as an example.

## Removing

- Remove trim panel of A-pillar trim ⇒ Rep. gr. 70 ; Removing and installing upper A-pillar trim .



- Release retaining clips -2- using wedge - T10383- .
- Pull off upper front A-pillar trim -1- far enough to gain access to electrical connector.
- Disconnect electrical connector.
- Remove upper front A-pillar trim -1-.



## Installing

Install in reverse order of removal.

## 6.8.2 Removing and installing upper A-pillar trim, rear

### Special tools and workshop equipment required

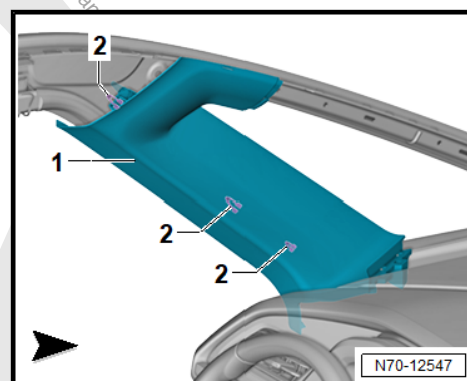
- ♦ wedge - T10383-

Removal and installation are described for left side of vehicle as an example.

## Removing

- Remove upper front A-pillar trim - Rep. gr. 70 , Removing and installing upper front A-pillar trim .

- Use wedge - T10383- to release retaining clips -2-, and remove upper rear A-pillar trim -1-.



## Installing

Install in reverse order of removal, observing the following:



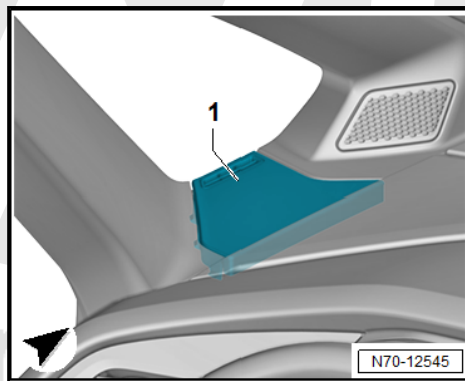
- Bring sealing lip of inner door seal into installation position.

### 6.8.3 Removing and installing upper A-pillar trim, trim panel

Removal and installation are described for left side of vehicle as an example.

#### Removing

- Lever out upper A-pillar trim -1- using commercially available plastic wedge, and remove it.



#### Installing

Install in reverse order of removal.

### 6.9 Removing and installing lower A-pillar trim

#### Special tools and workshop equipment required

- ◆ removal tool - T40280-
- ◆ wedge - T10383-

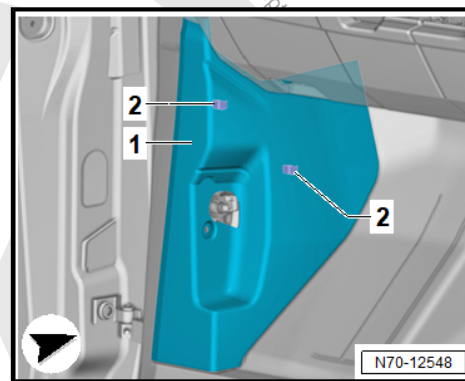
Removal and installation are described for a left-hand drive vehicle as an example.

#### Removing

- Remove A-pillar gap cover ⇒ Rep. gr. 70 ; Removing and installing A-pillar gap cover .
- Remove bonnet lock release lever ⇒ General body repairs, exterior; Rep. gr. 55 ; Bonnet; Removing and installing bonnet lock release lever .



- Use wedge - T10383- to release retaining clips -2-, and remove lower A-pillar trim -1-.



### Installing

Install in reverse order of removal, observing the following:

- Remove retaining clip left in body using removal tool - T40280- , and insert into lower A-pillar trim.
- Bring sealing lip of door seal into installation position.

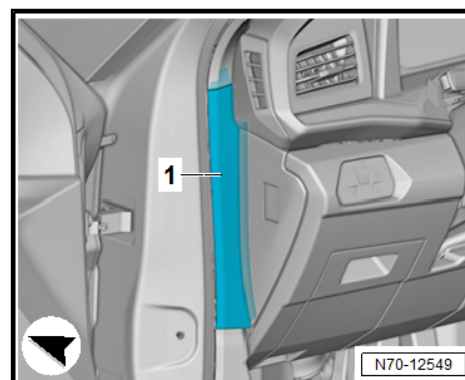
## 6.10 Removing and installing A-pillar gap cover

Removal and installation are described for left side of vehicle as an example.

### Removing

- Remove dash panel end cover ⇒ Rep. gr. 70 ; Removing and installing dash panel end cover .

- Unclip A-pillar gap cover -1- using commercially available plastic wedge, and remove it.





## Installing

Install in reverse order of removal, observing the following:

- Bring sealing lip of door seal into installation position.

## 6.11 Removing and installing upper B-pillar trim

### 6.11.1 Removing and installing upper B-pillar trim

#### Special tools and workshop equipment required

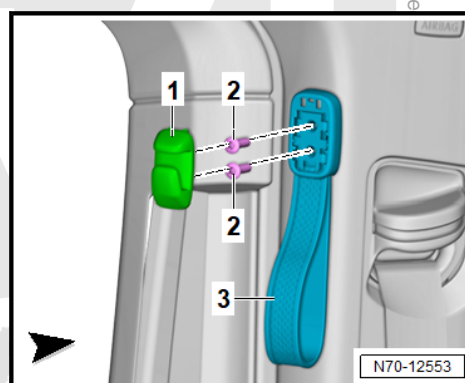
- ♦ removal tool - T40280-
- ♦ wedge - T10383-

Removal and installation are described for left side of vehicle as an example.

#### Removing

- Disconnect battery earth cable ⇒ Electrical system; Rep. gr. 27 ; Battery; Disconnecting and connecting battery .
- Remove belt tensioner cover ⇒ Rep. gr. 70 ; Removing and installing lower B-pillar trim .

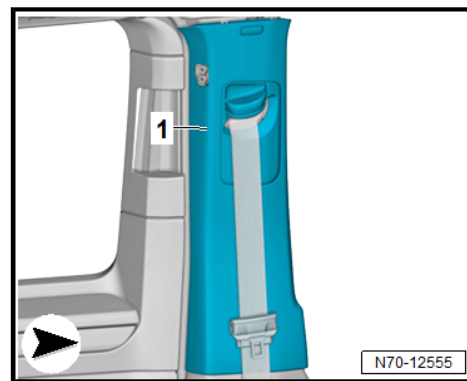
- Unclip coat hook -1-.
- Unscrew bolts -2-, and remove retaining loop -3-.







- Unclip upper B-pillar trim -1- at side using wedge - T10383- , and remove it.



### ⚠ CAUTION

It is possible to trigger pyrotechnic components unintentionally.

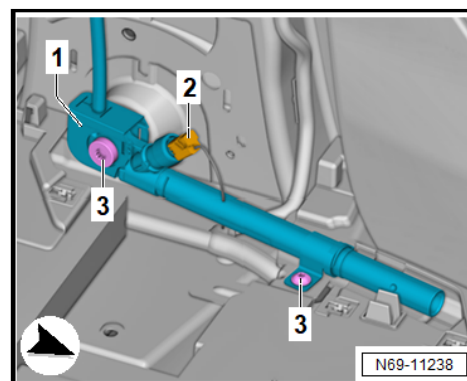
**Risk of injury**

- Discharge static electricity by briefly touching door striker plate.

### ⓘ NOTICE

**Risk of irreparable damage due to electrostatic discharge.**

- Do not touch connector contacts with your hands.
- Touch the lifting platform or other earthed object to discharge static electricity.
- Disconnect electrical connector -2-, releasing securing clip with a small commercially available screwdriver when doing so.
- Unscrew bolts -3-.
- Guide seat belt with lap belt tensioner -- out of upper B-pillar trim.



## Installing

Install in reverse order of removal, observing the following:

- Remove any retaining clips left in body using removal tool - T40280- , and insert retaining clips into upper B-pillar trim.
- Make sure that belt height adjuster functions correctly.
- Bring sealing lip of door seal into installation position.



- Connect battery earth cable ⇒ Electrical system; Rep. gr. 27 ; Battery; Disconnecting and connecting battery .

### ⚠ CAUTION

Pyrotechnic components can trigger unintentionally.

Risk of injury.

- Keep far away from pyrotechnic components when switching on ignition.
- 
- Switch on ignition.

### Tightening torques

- ♦ ⇒ Rep. gr. 70 ; Assembly overview – B-pillar trim

## 6.11.2 Removing and installing upper B-pillar trim, retaining loop bracket

Removal and installation are described for left side of vehicle as an example.

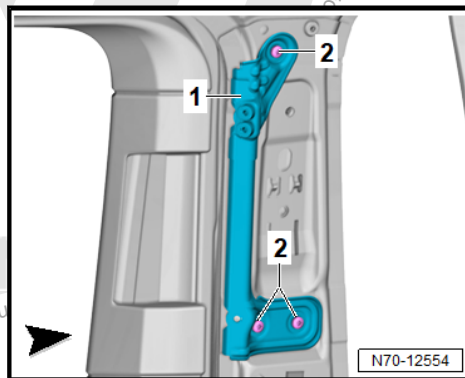
### Removing

- Release upper B-pillar trim ⇒ Rep. gr. 70 ; Removing and installing upper B-pillar trim .

### Note

The upper B-pillar trim remains attached to three-point seat belt.

- Unscrew bolts -2-, and remove retaining loop bracket -1-.



### Installing

Install in reverse order of removal, observing the following:



### Tightening torques

- ◆ ⇒ Rep. gr. 70 ; Assembly overview – B-pillar trim

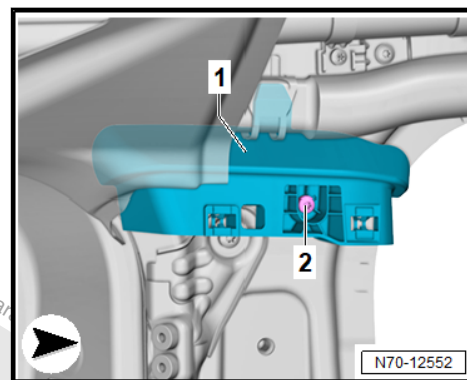
## 6.11.3 Removing and installing upper B-pillar trim, guide for curtain airbag

Removal and installation are described for left side of vehicle as an example.

### Removing

- Remove front moulded headliner ⇒ Rep. gr. 70 ; Removing and installing moulded headliner .

- Unscrew bolt -2-, and remove guide for curtain airbag -1-.



### Installing

Install in reverse order of removal, observing the following:

### Tightening torques

- ◆ ⇒ Rep. gr. 70 ; Assembly overview – B-pillar trim

## 6.12 Removing and installing lower B-pillar trim

### 6.12.1 Removing and installing lower B-pillar trim

#### Special tools and workshop equipment required

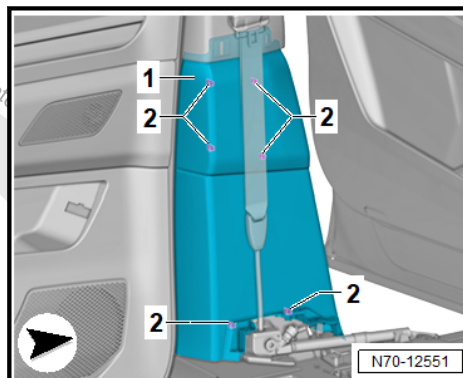
- ◆ removal tool - T40280-
- ◆ wedge - T10383-

Removal and installation are described for left side of vehicle as an example.



## Removing

- Remove upper B-pillar trim ⇒ Rep. gr. 70 ; Removing and installing upper B-pillar trim .
- Use wedge - T10383- to release retaining clips -2-, and remove B-pillar trim -1-.



## Vehicles with left sliding door button 2 - E732-

- Disconnect electrical connector.

## All vehicles (continued)

### Installing

Install in reverse order of removal, observing the following:

- Remove retaining clips left in body using removal tool - T40280- , and insert them into lower B-pillar trim.
- Bring sealing lip of door seal into installation position.

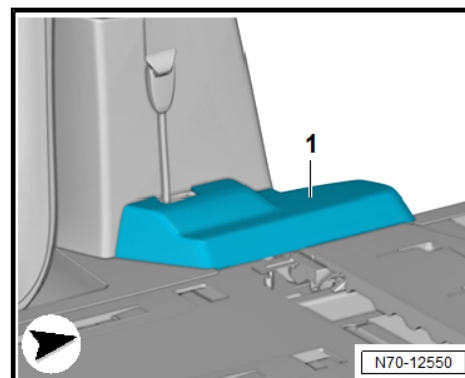
## 6.12.2 Removing and installing lower B-pillar trim, belt tensioner cover

Removal and installation are described for left side of vehicle as an example.



## Removing

- Lever off belt tensioner cover -1- using commercially available plastic wedge, and remove it.



## Installing

Install in reverse order of removal.

### 6.13 Removing and installing C-pillar trim

#### 6.13.1 Removing and installing C-pillar trim

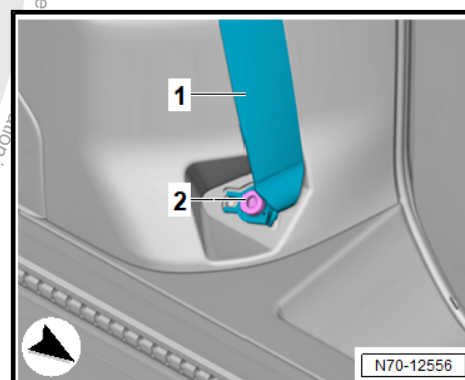
##### Special tools and workshop equipment required

- ◆ removal tool - T40280-
- ◆ wedge - T10383-

Removal and installation are described for left side of vehicle as an example.

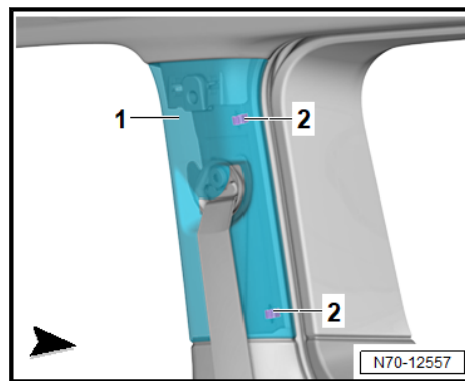
## Removing

- Unscrew bolt -2-, and remove belt end fitting -1-.





- Use wedge - T10383- to release retaining clips -2-, and remove C-pillar trim -1-.
- Guide seat belt out of C-pillar trim -1-.



### Installing

Install in reverse order of removal, observing the following:

- Remove retaining clips left in body using removal tool - T40280- , and insert them into C-pillar trim.
- Bring sealing lip of door seal into installation position.

### Tightening torques

- ♦ ⇒ Rep. gr. 69 ; Assembly overview – rear outer three-point seat belt

## 6.13.2 Removing and installing C-pillar trim, guide for curtain airbag

### Special tools and workshop equipment required

- ♦ removal tool - T40280-
- ♦ wedge - T10383-

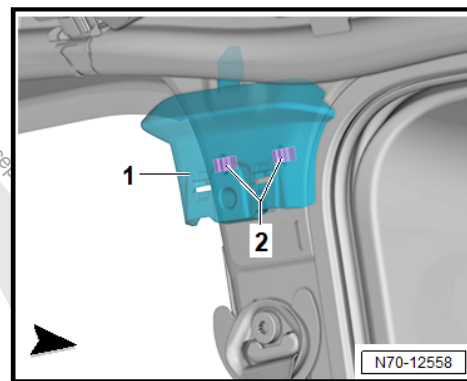
Removal and installation are described for left side of vehicle as an example.

### Removing

- Remove rear moulded headliner ⇒ Rep. gr. 70 ; Removing and installing moulded headliner .



- Use wedge - T10383- to release retaining clips -2-, and remove guide for curtain airbag -1-.



## Installing

Install in reverse order of removal, observing the following:

- Remove any retaining clips left in body using removal tool - T40280- and insert them into guide for curtain airbag.

## 6.14 Removing and installing D-pillar trim

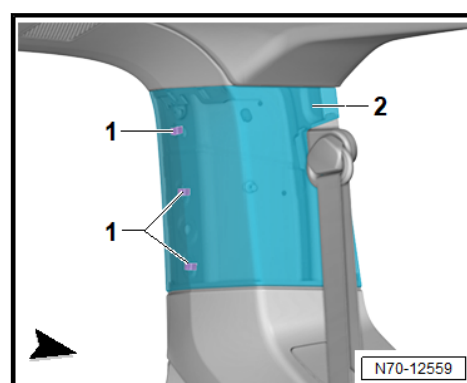
Special tools and workshop equipment required

- ◆ removal tool - T40280-
- ◆ wedge - T10383-

Removal and installation are described for left side of vehicle as an example.

## Removing

- Use wedge - T10383- to release retaining clips -1-, and remove D-pillar trim -2-.



## Installing

Install in reverse order of removal, observing the following:





- Remove retaining clips left in body using removal tool - T40280- , and insert them into D-pillar trim.
- Bring sealing lip of rear lid seal into installation position.

## 6.15 Removing and installing side trim

### 6.15.1 Removing and installing side trim

#### Special tools and workshop equipment required

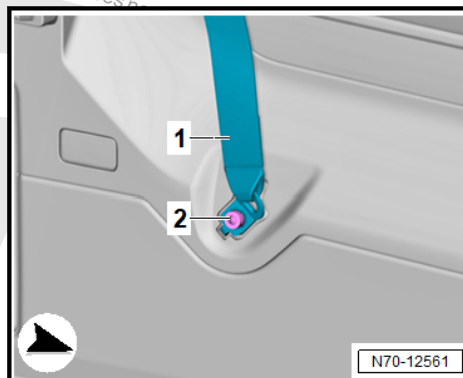
- ♦ wedge - T10383-

Removal and installation are described for left side of vehicle as an example.

#### Removing

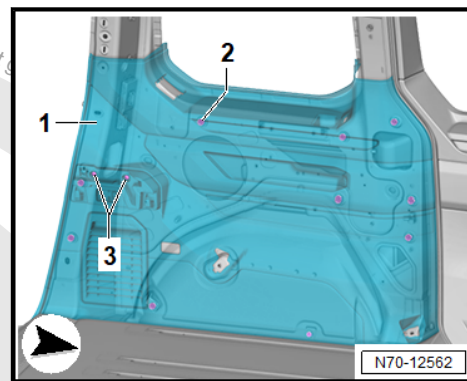
- Remove C-pillar trim ⇒ Rep. gr. 70 ; Removing and installing C-pillar trim .
- Remove D-pillar trim ⇒ Rep. gr. 70 ; Removing and installing D pillar trim .
- Remove lock carrier trim ⇒ Rep. gr. 70 ; Removing and installing lock carrier trim .
- Remove individual seats ⇒ Rep. gr. 72 ; Removing and installing individual seats .
- Unclip belt exit point trim.

- Unscrew bolt -2-, and remove belt end fitting -1-.





- Unscrew bolts -3-.
- Use wedge - T10383- to release clips -2-.
- Pull off side trim -1- far enough to gain access to electrical connectors.
- Disconnect electrical connectors.
- Remove side trim -1-.



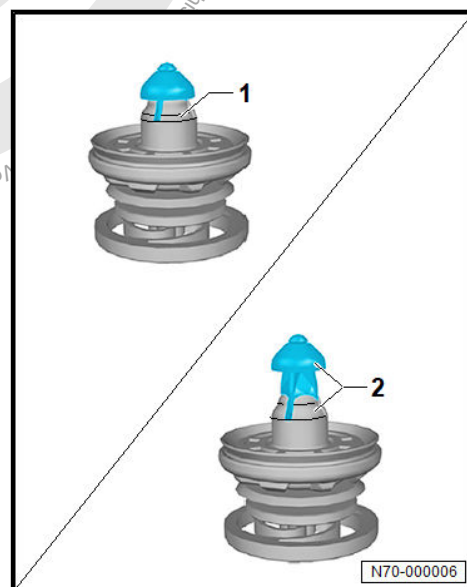
## Installing

Install in reverse order of removal, observing the following:

- Turn locking mechanism from position -2- to position -1-.

## Important

- The side trim can only be installed when the locking mechanism is in position -1-.



- Bring sealing lip of rear lid seal into installation position.

## Tightening torques

- ◆ ⇒ Rep. gr. 70 ; Assembly overview - side trim
- ◆ ⇒ Rep. gr. 69 ; Assembly overview – rear outer three-point seat belt

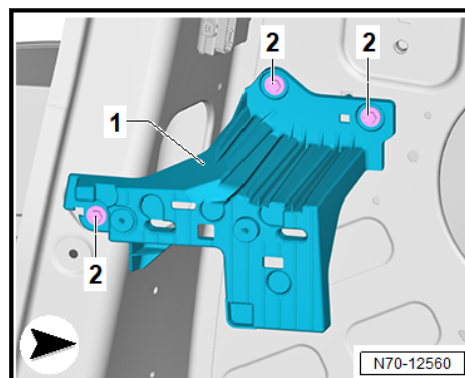
## 6.15.2 Removing and installing side trim, loading floor/bed frame holder

Removal and installation are described for left side of vehicle as an example.



## Removing

- Remove side trim ⇒ Rep. gr. 70 ; Removing and installing side trim .
- Unscrew bolts -2-, and remove loading floor/bed frame bracket -1-.



## Installing

Install in reverse order of removal, observing the following:

## Tightening torques

- ♦ ⇒ Rep. gr. 70 ; Assembly overview - side trim

## 6.16 Removing and installing floor covering

### 6.16.1 Removing and installing floor covering, front

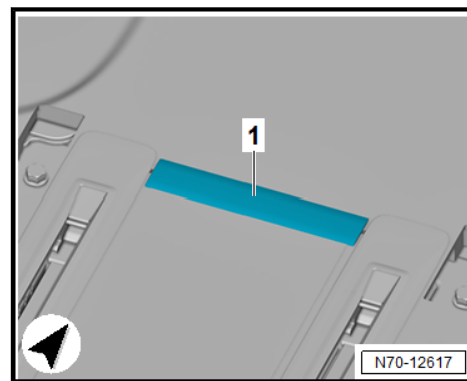
Removal and installation are described for a left-hand drive vehicle with long overhang as an example.

## Removing

- Remove seat frames ⇒ Rep. gr. 72 ; Removing and installing front seat .
- Remove front step insert ⇒ Rep. gr. 70 ; Removing and installing front sill panel moulding .
- Remove centre console ⇒ Rep. gr. 68 ; Removing and installing centre console .



- Lever out cover strip -1-, and remove it.

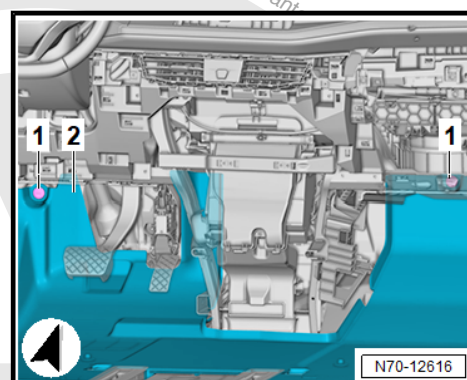


- Unscrew buttons -1-.
- Lift floor covering -2- and pull it towards rear.

**! NOTICE**

**Risk of damage to the floor covering caused by tearing at cut-outs.**

- Carefully remove floor covering
- Remove floor covering -2-.



## Installing

Install in reverse order of removal.

## 6.16.2 Removing and installing floor covering, rear

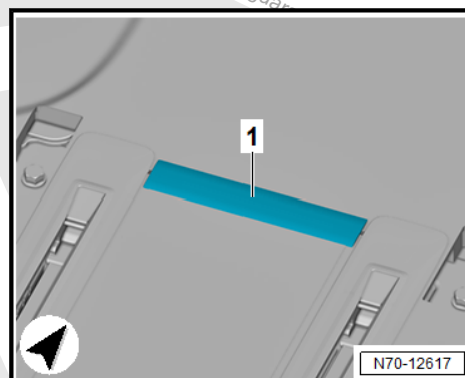
Removal and installation are described for a vehicle with long overhang as an example.

### Removing

- Remove seat frames ⇒ Rep. gr. 72 ; Removing and installing front seat .
- Remove lock carrier trim ⇒ Rep. gr. 70 ; Removing and installing lock carrier trim .
- Remove rear step insert ⇒ Rep. gr. 70 ; Removing and installing rear sill panel moulding .
- Remove seat rails ⇒ Rep. gr. 72 ; Removing and installing seat rails .
- Remove rear footwell vent ⇒ Heating, air conditioning; Rep. gr. 87 ; Air duct system; Removing and installing rear footwell vent .



- Lever out cover strip -1-, and remove it.



#### Important

- The aid of an additional person is required for the subsequent work steps.
- Remove floor covering towards rear.

#### Installing

Install in reverse order of removal.

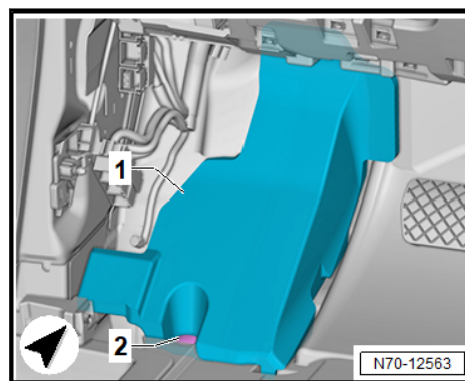
### 6.17 Removing and installing foot rest

#### 6.17.1 Removing and installing foot rest, left-hand drive vehicle

##### Removing

- Remove front floor covering ⇒ Rep. gr. 70 ; Removing and installing floor covering .

- Remove push button -2-.
- Remove foot rest -1-.





## Installing

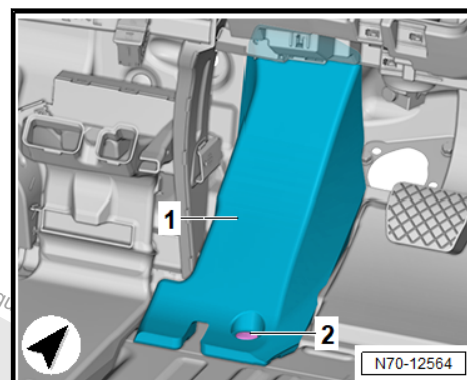
Install in reverse order of removal.

### 6.17.2 Removing and installing foot rest, RHD vehicles

#### Removing

- Remove front floor covering ⇒ Rep. gr. 70 ; Removing and installing floor covering .

- Remove push button -2-.
- Remove foot rest -1-.



## Installing

Install in reverse order of removal.



## 7 Luggage compartment trims

### 7.1 Assembly overview – lower rear lid trim

#### 1 - Trim under rear lid

- ⇒ Rep. gr. 70 ; Removing and installing lower rear lid trim

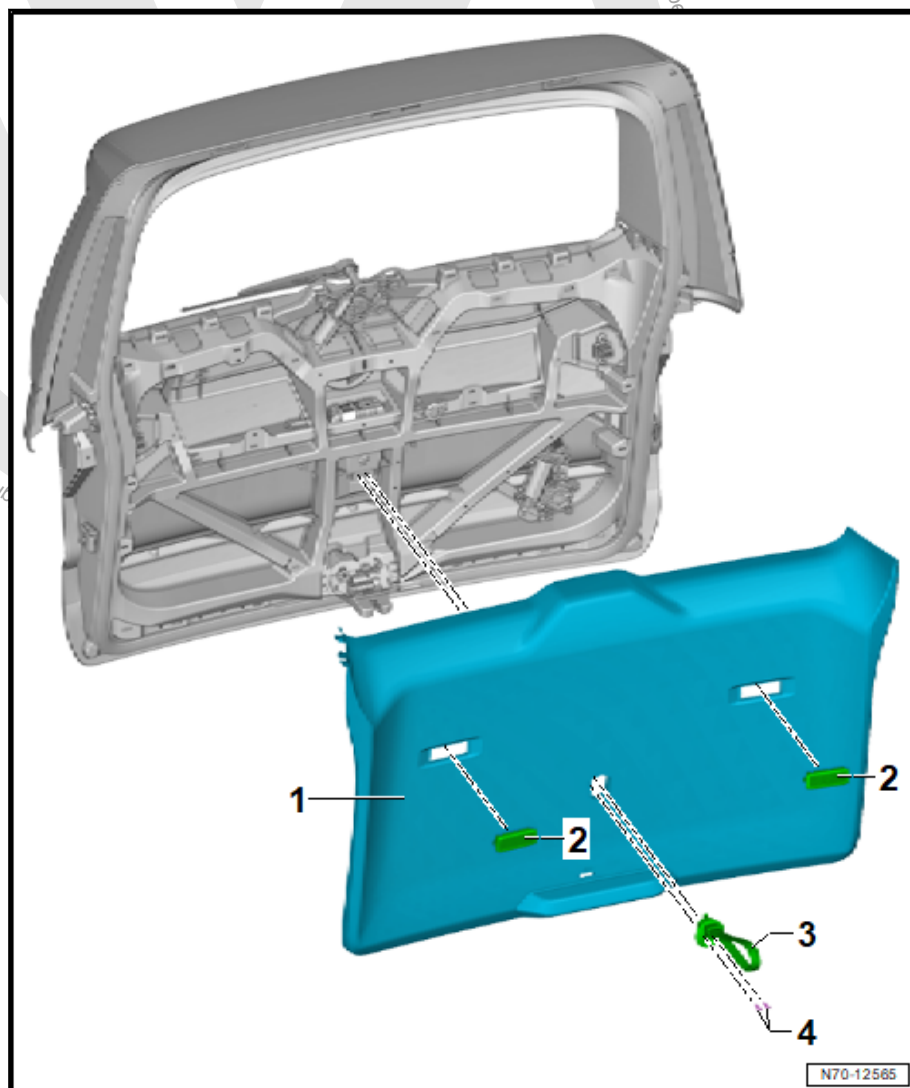
#### 2 - Surround lighting 1 in rear lid - W61- / surround lighting 2 in rear lid - W62-

- ⇒ Electrical system; Rep. gr. 96 ; Lights; Removing and installing surround lighting [W61]/[W62]

#### 3 - Pull loop

#### 4 - Bolt

- Qty. 2
- 3.5 Nm



### 7.2 Removing and installing lower rear lid trim

#### Special tools and workshop equipment required

- ◆ removal lever - 80-200-
- ◆ removal tool - T40280-

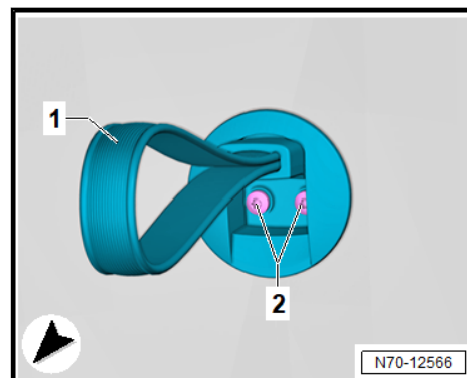
The lower rear lid trim will henceforth be referred to as “trim”.



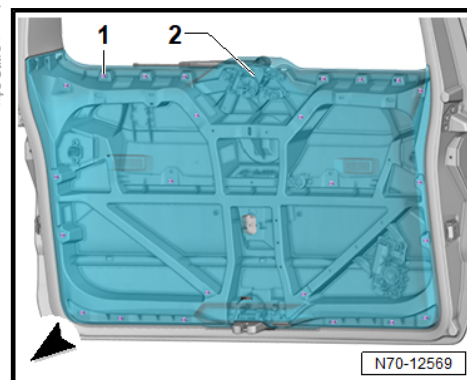


## Removing

- Unscrew bolts -2-, and remove pull loop -1-.



- Use removal lever - 80-200- to release retaining clips -1-, and pull off trim -2- far enough to gain access to electrical connectors.
- Disconnect electrical connectors.
- Remove trim -2-.



## Installing

Install in reverse order of removal, observing the following:

- Remove any retaining clips left in rear lid using removal tool - T40280-, and insert them into trim.

## Tightening torques

- ◆ ⇒ Rep. gr. 70 ; Assembly overview – lower rear lid trim

## 7.3 Removing and installing lock carrier trim

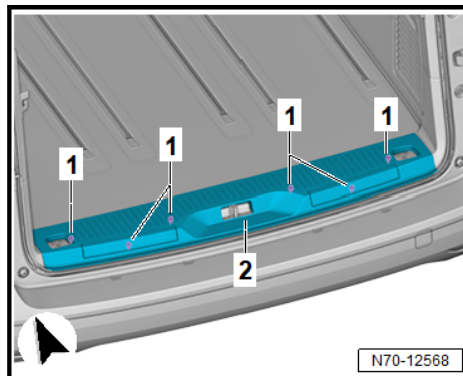
### Special tools and workshop equipment required

- ◆ wedge - T10383-



## Removing

- Remove fastening rings ⇒ Rep. gr. 70 ; Removing and installing fastening ring .
- Move aside rear lid seal in area of lock carrier trim -2-.
- Use wedge - T10383- to release clips -1-, and remove lock carrier trim -2-.



## Installing

Install in reverse order of removal, observing the following:

- Bring sealing lip of rear lid seal into installation position.

## Tightening torques

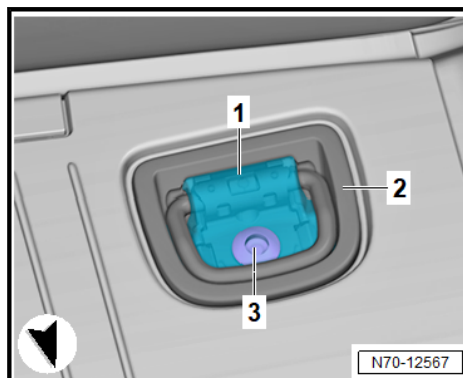
- ◆ ⇒ Rep. gr. 70 ; Assembly overview - side trim

## 7.4 Removing and installing fastening rings

Removal and installation is described for one fastening ring as an example.

## Removing

- Fold up cover -1-.
- Unscrew bolt -3-.
- Remove fastening ring -2-.





## Installing

Install in reverse order of removal, observing the following:

- Make sure that fastening ring is aligned parallel with rear edge of lock carrier trim.

## Tightening torques

- ◆ ⇒ Rep. gr. 70 ; Assembly overview - side trim



## 8 Roof trims

### 8.1 Assembly overview – moulded headliner

#### 8.1.1 Assembly overview – moulded headliner, front, without glass panel

**1 - Moulded headliner, front, without glass panel**

- ☐ ⇒ Rep. gr. 70 ; Removing and installing moulded headliner

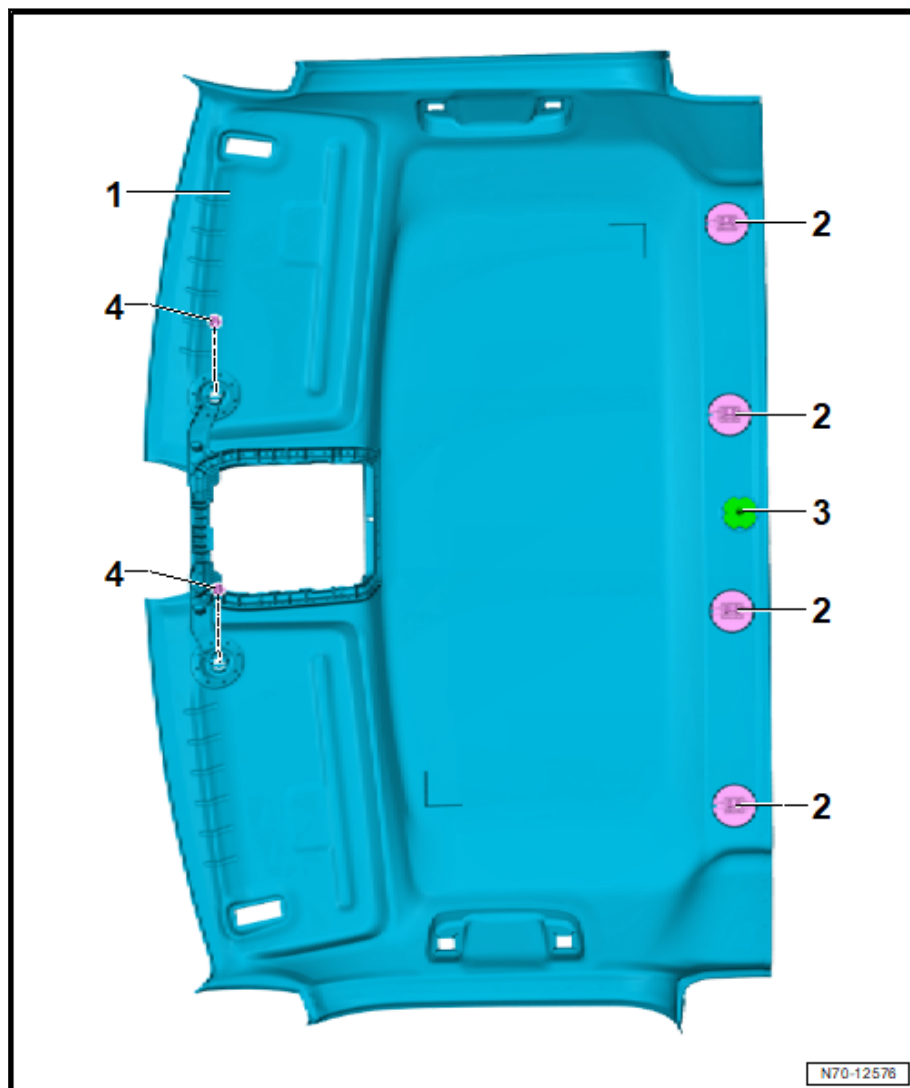
**2 - Clip**

- ☐ Qty. 4

**3 - Centring element**

**4 - Retaining clip**

- ☐ Qty. 2



#### 8.1.2 Assembly overview – moulded headliner, front, with glass panel



**1 - Moulded headliner, front, with glass panel**

- ⇒ Rep. gr. 70 ; Removing and installing moulded headliner

**2 - Clip**

- Qty. 4

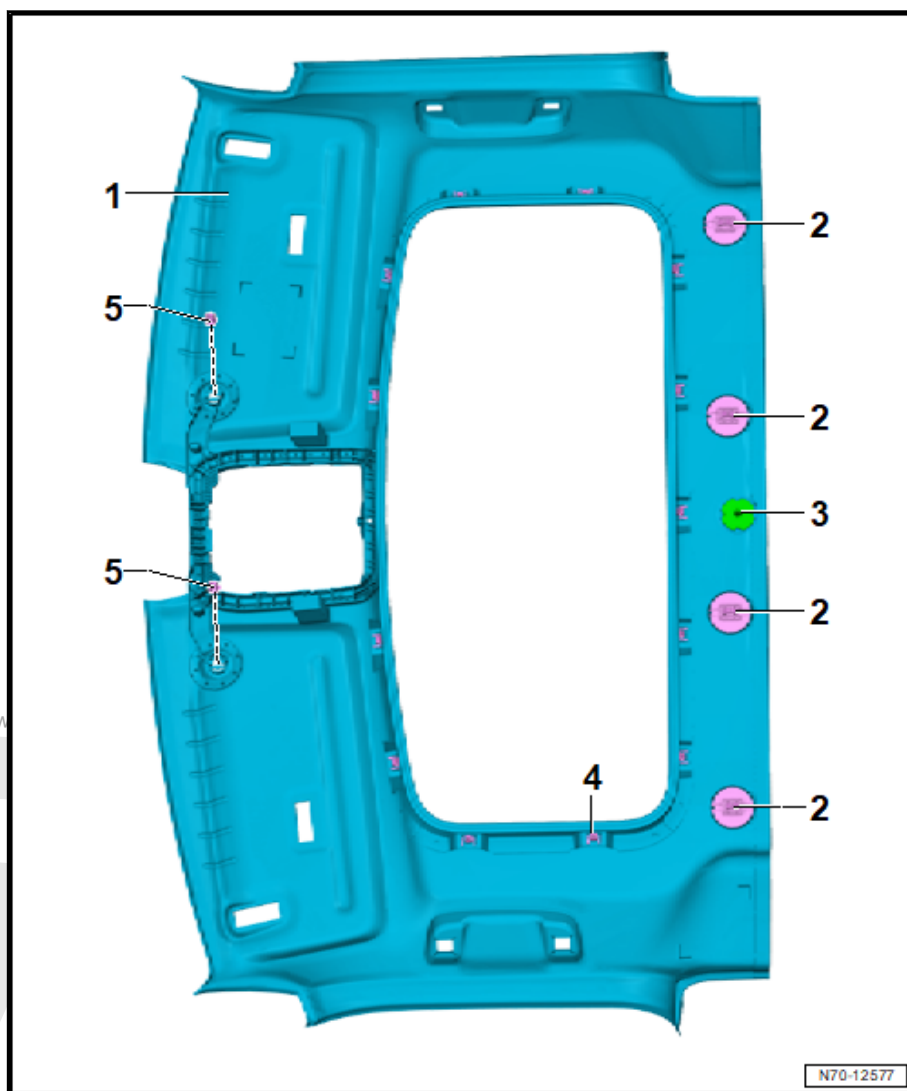
**3 - Centring element**

**4 - Retaining clip**

- Qty. 13

**5 - Retaining clip**

- Qty. 2



**8.1.3 Assembly overview – moulded headliner, rear, without glass panel**



**1 - Moulded headliner, rear, without glass panel**

- ☐ ⇒ Rep. gr. 70 ; Removing and installing moulded headliner

**2 - Clip**

- ☐ Qty. 12

**3 - Centring element**

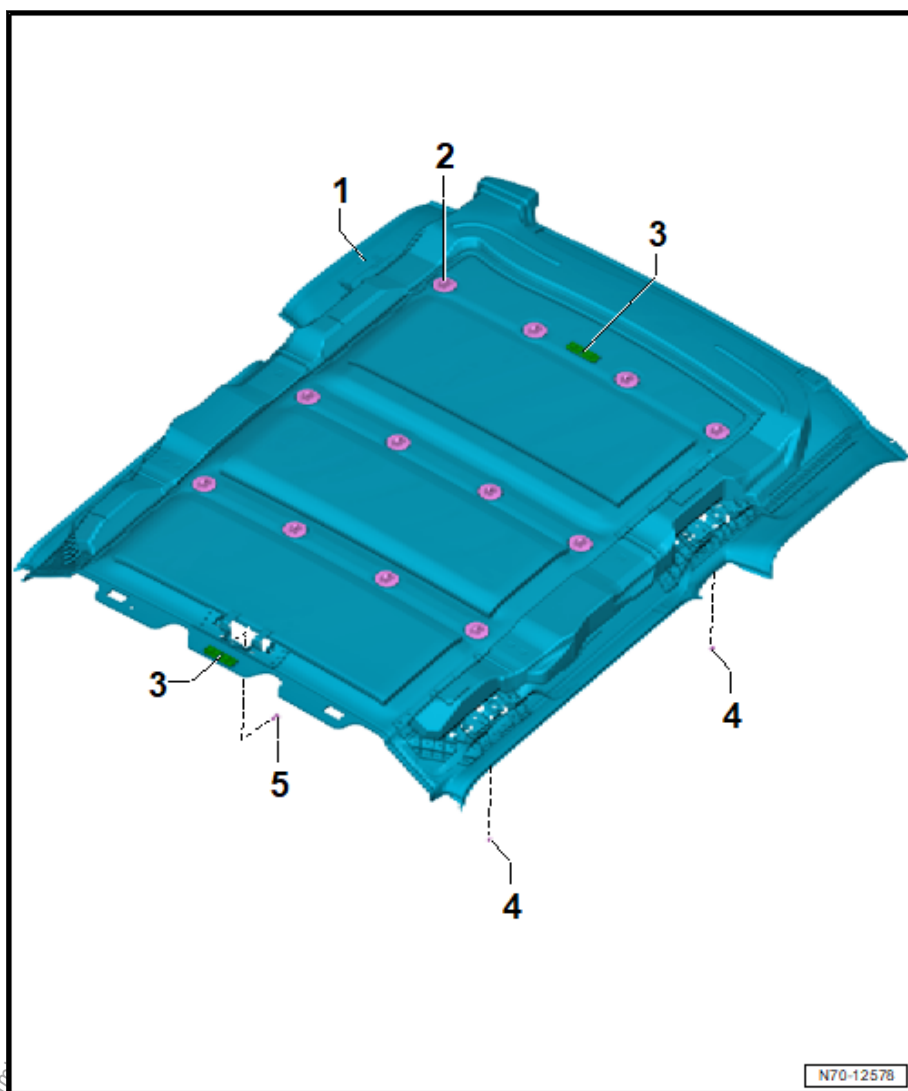
- ☐ Qty. 2

**4 - Bolt**

- ☐ For tether
- ☐ Qty. 4
- ☐ 4.5 Nm

**5 - Bolt**

- ☐ 4.5 Nm



## 8.1.4 Assembly overview – moulded headliner, rear, with glass panel



**1 - Moulded headliner, rear, with glass panel**

- ☐ ⇒ Rep. gr. 70 ; Removing and installing moulded headliner

**2 - Centring element**

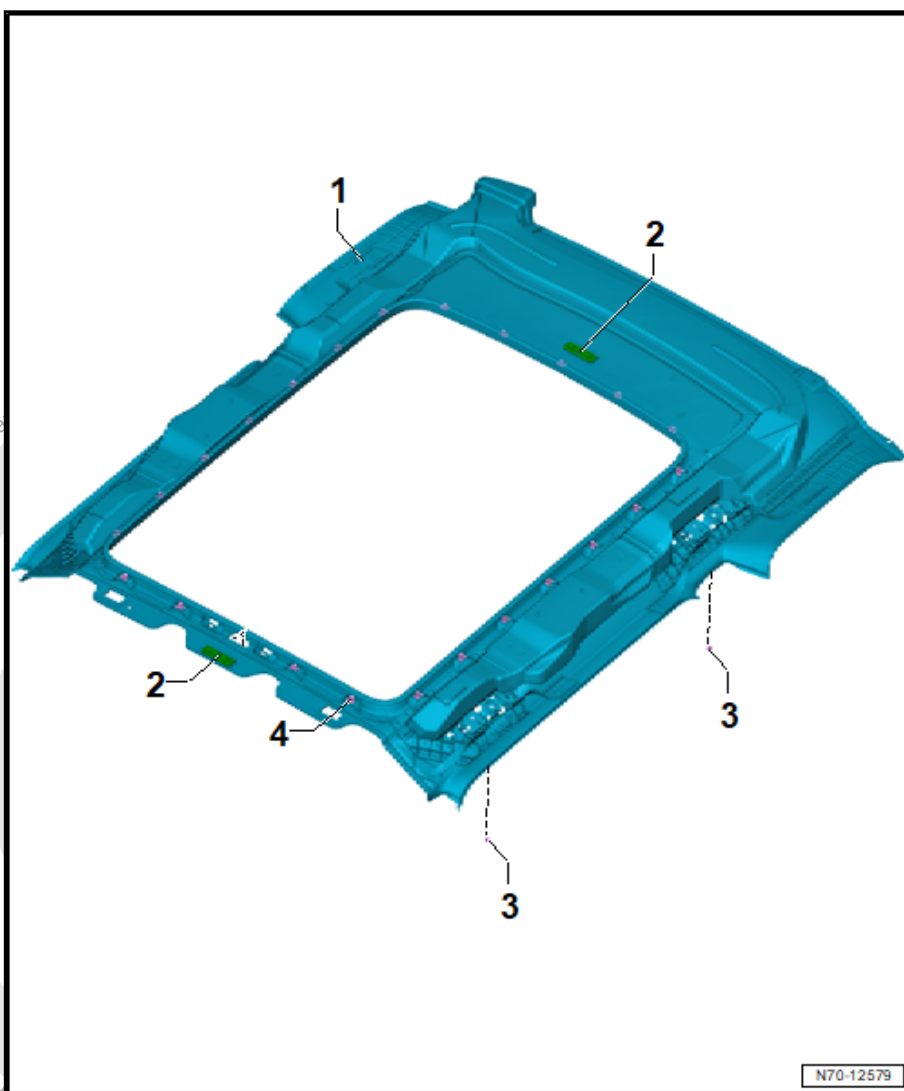
- ☐ Qty. 2

**3 - Bolt**

- ☐ For tether
- ☐ Qty. 4
- ☐ 4.5 Nm

**4 - Retaining clip**

- ☐ Qty. 24



## 8.2 Removing and installing roof end strip

### Special tools and workshop equipment required

- ◆ removal wedge set - VAS 895 015-

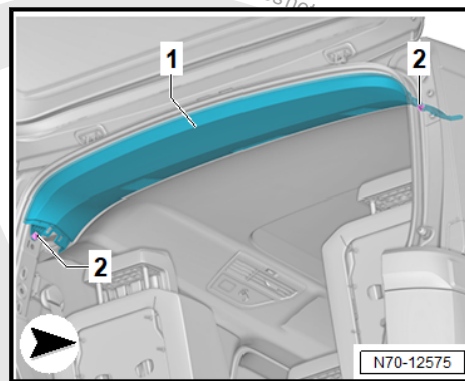
### Removing

- Remove D-pillar trims ⇒ Rep. gr. 70 ; Removing and installing D pillar trim .





- Use removal wedge from removal wedge set - VAS 895 015- to release clips -2-.
- Pull off roof end strip -2- far enough to gain access to electrical connector.
- Disconnect electrical connector.
- Remove roof end strip -2-.



## Installing

Install in reverse order of removal, observing the following:

- Bring sealing lip of rear lid seal into installation position.

## 8.3 Removing and installing moulded headliner

### 8.3.1 Removing and installing moulded headliner, rear, without glass panel

#### Special tools and workshop equipment required

- ◆ 3 mm drill bit, commercially available
- ◆ Drill, commercially available
- ◆ Step drill bit, commercially available
- ◆ Suitable drill bit 3 mm, commercially available
- ◆ hook - 3370-
- ◆ step drill bit, commercially available

#### Note

The moulded headliner is removed along with the vents. The vents can only be removed after the moulded headliner has been removed.

The rear moulded headliner without glass panel will henceforth be referred to as "moulded headliner".

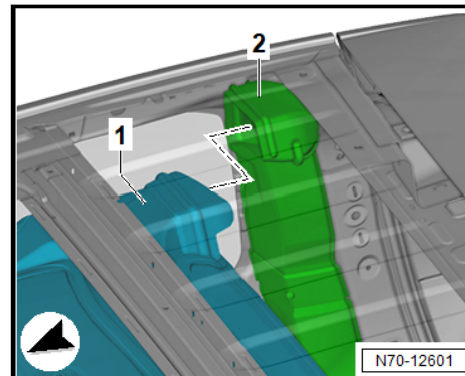
## Removing

- Remove front moulded headliner ⇒ Rep. gr. 70 ; Removing and installing moulded headliner .
- Release C-pillar trims ⇒ Rep. gr. 70 ; Removing and installing C-pillar trim .
- Remove roof end strip ⇒ Rep. gr. 70 ; Removing and installing roof end strip .



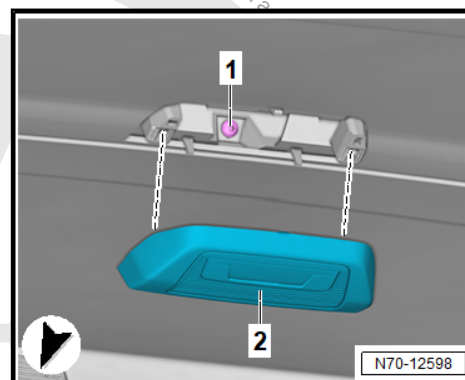
- Remove individual seats ➔ Rep. gr. 72 ; Removing and installing individual seats .

- Pull air duct system in D pillar -2- out of moulded headliner -1-.



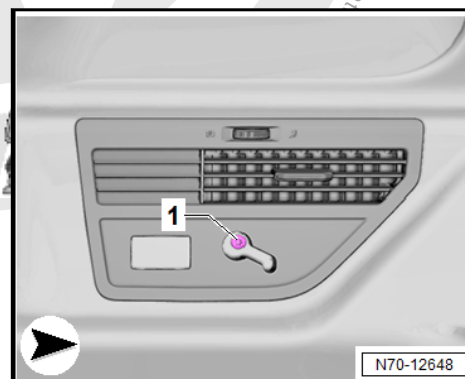
#### Vehicles with operating and display unit for rear air conditioning system - E265-

- Use commercially available plastic wedge to release cover with operating and display unit for rear air conditioning system - E265- -2- far enough to gain access to electrical connector.
- Disconnect electrical connector.
- Remove cover with operating and display unit for rear air conditioning system - E265- -2-.
- Unscrew bolt -1-.



#### All vehicles (continued)

- Unscrew bolt -1-.

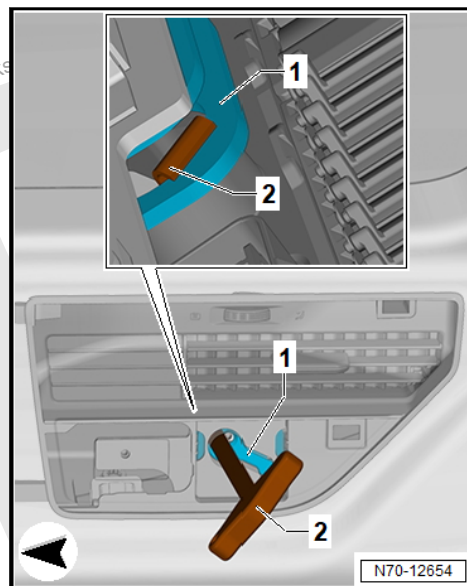




- Insert hook - 3370- -2- through opening in net partition re-  
tainer, and pull net partition mounting -1- to unclip it.

**Important**

- The net partition mounting must be unclipped at right angles  
to the vent.



**NOTICE**

**Risk of damage from incorrect handling.**

- Do not kink moulded headliner.
- Release moulded headliner from beading of door seal and  
sliding door seal.
- Pull moulded headliner in opposite direction of travel out of  
clips.

**Note**

Moulded headliner is held in place by the arrester straps.

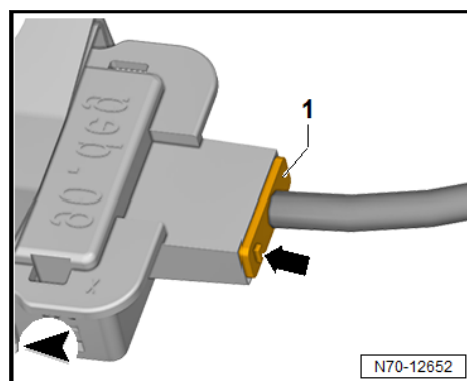
- Release fastener -arrow-, and disconnect electrical connec-  
tors -1- at rear interior lights/reading lights.

**Note**

The electrical connectors on the interior lights/reading lights and  
the arrester strap bolts can be accessed between the moulded  
headliner and the roof cross member.

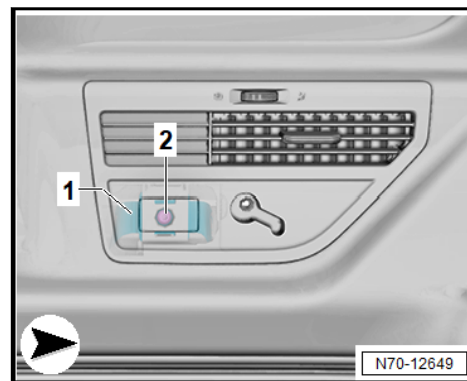
**Note**

The locking element of the electrical connectors on the interior  
lights/reading lights is located on the left-hand side when seen  
in the direction of travel.





- Detach arrester strap -1- from body by unscrewing bolt -2- between moulded headliner and roof cross member.



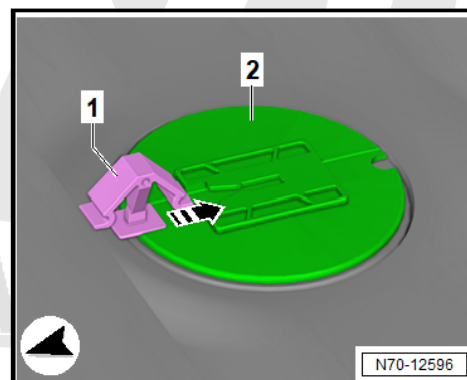
### Important

- The aid of an additional person is required for the subsequent work steps.
- Remove moulded headliner towards rear.
- Place moulded headliner on a clean and soft surface.

### Installing

Install in reverse order of removal observing the following:

- Pull clips -1- out of roof cross members.
- Insert clips -1- into holder -2- in direction of -arrow-.



- Release vent's freely accessible retaining clips.

### On front left and front right on air duct



**Risk of damage to air duct**

- Do not drill hole too deep.



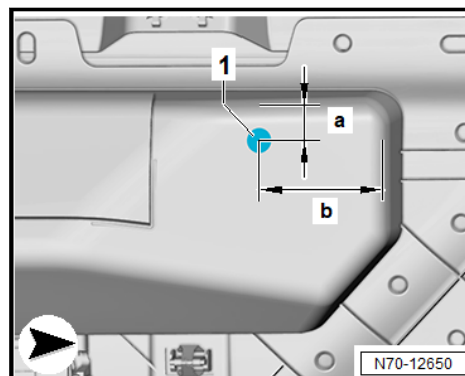
## Note

Access to the retaining clip of the vent can be obtained by drilling a hole into the air duct.

- Pre-drill hole -1- with a commercially available drill and a 3 mm drill bit, commercially available .
- Drill hole -1- with a commercially available drill and step drill bit, commercially available to 10 mm.

## Important

- Make sure to maintain dimension -a- = 13 mm.
- Make sure to maintain dimension -b- = 45 mm.
- Use a commercially available screwdriver to release retaining clip through hole. At the same time, remove vent from moulded headliner.
- Cut 2 pieces of self-adhesive aluminium foil ⇒ Electronic parts catalogue (ETKA) to size of 40 × 28 mm.
- Clean bonding surface with cleaning solution ⇒ Electronic parts catalogue (ETKA) .
- Cover hole in air duct with self-adhesive aluminium foil ⇒ Electronic parts catalogue (ETKA) .



## All vehicles (continued)

### On rear left and rear right on air duct

## NOTICE

### Risk of damage to air duct

- Do not drill hole too deep.

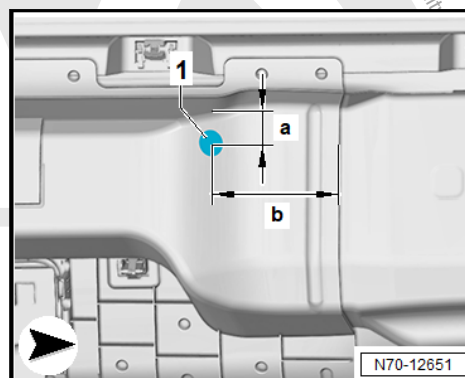
## Note

Access to the retaining clip of the vent can be obtained by drilling a hole into the air duct.

- Pre-drill hole -1- with a commercially available drill and a 3 mm drill bit, commercially available .
- Drill hole -1- with a commercially available drill and step drill bit, commercially available to 10 mm.

## Important

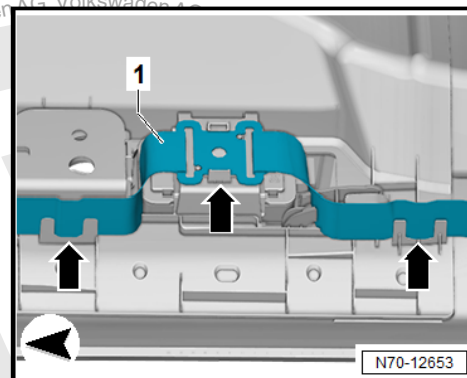
- Make sure to maintain dimension -a- = 11 mm.
- Make sure to maintain dimension -b- = 85 mm.
- Use a commercially available screwdriver to release retaining clip through hole. At the same time, remove vent from moulded headliner.
- Cut 2 pieces of self-adhesive aluminium foil ⇒ Electronic parts catalogue (ETKA) to size of 40 × 28 mm.
- Clean bonding surface with cleaning solution ⇒ Electronic parts catalogue (ETKA) .
- Cover hole in air duct with self-adhesive aluminium foil ⇒ Electronic parts catalogue (ETKA) .





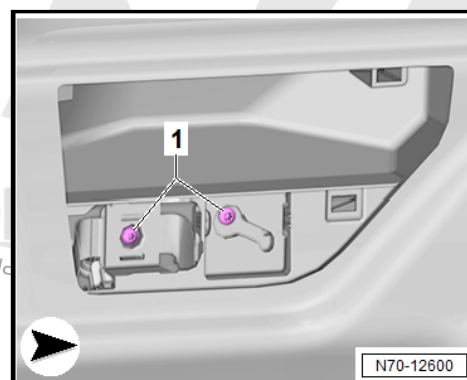
### All vehicles (continued)

- Route arrester strap -1- in retainer -arrows- on moulded headliner, and engage clips.



### Important

- The aid of an additional person is required for the subsequent work steps.
- Position moulded headliner in front and rear centring element.
- Clip in moulded headliner.
- Make sure that no electrical wires are trapped.
- Screw in bolts -1- by hand, and tighten them.



### Tightening torques

- ◆ ⇒ Rep. gr. 70 ; Assembly overview – moulded headliner
- ◆ ⇒ Rep. gr. 68 ; Assembly overview – net partition

## 8.3.2 Removing and installing moulded headliner, front, without glass panel

### Special tools and workshop equipment required

- ◆ release pliers - T10558A-

The front moulded headliner without glass panel will henceforth be referred to as "moulded headliner".

### Removing

- Remove upper A-pillar trims ⇒ Rep. gr. 70 ; Removing and installing upper A-pillar trim .

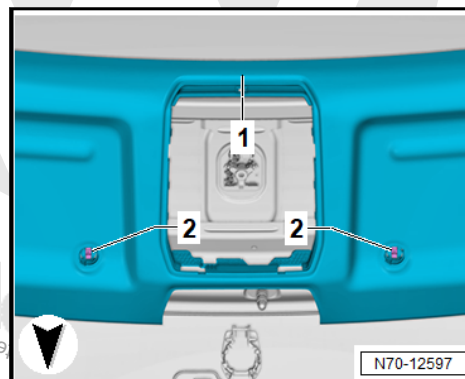


- Release upper B-pillar trims ⇒ Rep. gr. 70 ; Removing and installing upper B-pillar trim .
- Release sun visors ⇒ Rep. gr. 68 ; Removing and installing sun visor .
- Remove sun visor centre mounts ⇒ Rep. gr. 68 ; Removing and installing sun visor centre mounts .
- Remove cover for driver assist systems ⇒ Rep. gr. 68 ; Removing and installing cover for driver assist systems .
- Remove front interior light - WX1- ⇒ Electrical system; Rep. gr. 96 ; Controls; Removing and installing front interior light [WX1] .
- Remove driver side illuminated vanity mirror - W20- and front passenger side illuminated vanity mirror - W14- ⇒ Electrical system; Rep. gr. 96 ; Lights; Removing and installing illuminated vanity mirror [W20]/[W14] .
- Remove roof grab handles ⇒ Rep. gr. 68 ; Removing and installing roof grab handle .

**NOTICE**

**Risk of damage from incorrect handling.**

- Do not kink moulded headliner.
- Release retaining clips -2- using release pliers - T10558A- . When doing this, lower moulded headliner -1- slightly.
- Ensure that release pliers - T10558A- are positioned centrally in retaining clips.



**NOTICE**

**Risk of damage from incorrect handling.**

- Do not kink moulded headliner.

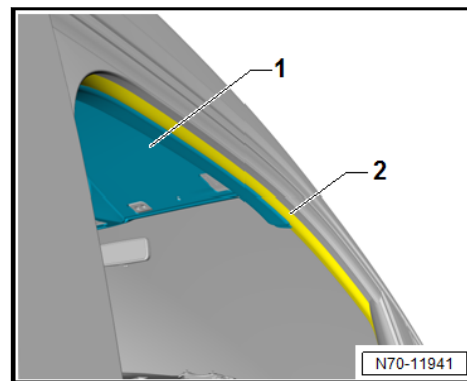




- Release moulded headliner -1- from door seal beading -2-.
- Pull moulded headliner -1- in direction of travel out of clips.

Important

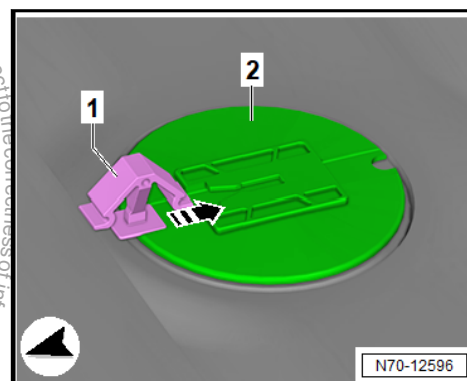
- The aid of an additional person is required for the subsequent work steps.
- Remove moulded headliner -1- towards side.



## Installing

Install in reverse order of removal, observing the following:

- Pull clips -1- out of roof cross members.
- Insert clips -1- into holder -2- in direction of -arrow-.



Important

- The aid of an additional person is required for the subsequent work steps.
- Position moulded headliner in front and rear centring element.
- Clip in moulded headliner starting at front.
- Make sure that no electrical wires are trapped.

### 8.3.3 Removing and installing moulded headliner, front, with glass panel

Special tools and workshop equipment required

- ◆ release pliers - T10558A-
- ◆ removal wedge - T40233-

The front moulded headliner with glass panel will henceforth be referred to as "moulded headliner".



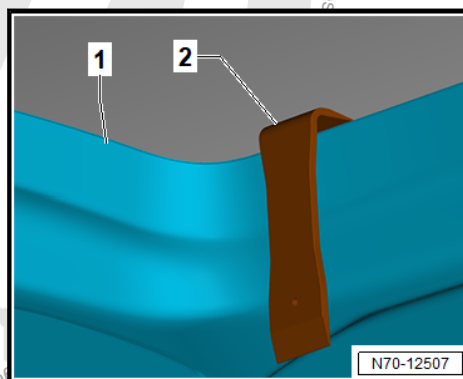
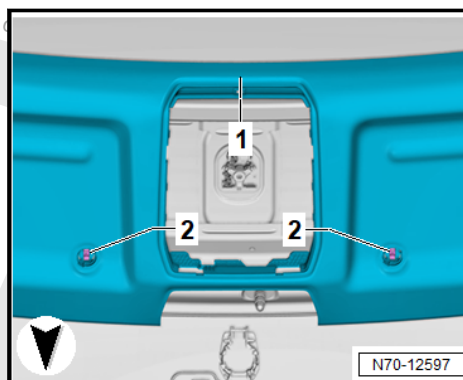
## Removing

- Remove upper A-pillar trims ⇒ Rep. gr. 70 ; Removing and installing upper A-pillar trim .
- Release upper B-pillar trims ⇒ Rep. gr. 70 ; Removing and installing upper B-pillar trim .
- Release sun visors ⇒ Rep. gr. 68 ; Removing and installing sun visor .
- Remove sun visor centre mounts ⇒ Rep. gr. 68 ; Removing and installing sun visor centre mounts .
- Remove cover for driver assist systems ⇒ Rep. gr. 68 ; Removing and installing cover for driver assist systems .
- Remove front interior light - WX1- ⇒ Electrical system; Rep. gr. 96 ; Controls; Removing and installing front interior light [WX1] .
- Remove driver side illuminated vanity mirror - W20- and front passenger side illuminated vanity mirror - W14- ⇒ Electrical system; Rep. gr. 96 ; Lights; Removing and installing illuminated vanity mirror [W20]/[W14] .
- Remove roof grab handles ⇒ Rep. gr. 68 ; Removing and installing roof grab handle .

### NOTICE

#### Risk of damage from incorrect handling.

- Do not kink moulded headliner.
- Release retaining clips -2- using release pliers - T10558A- . When doing this, lower moulded headliner -1- slightly.
- Ensure that release pliers - T10558A- are positioned centrally in retaining clips.
- Detach moulded headliner -1- downwards, in a straight line and all around using removal wedge - T40233- -2-.





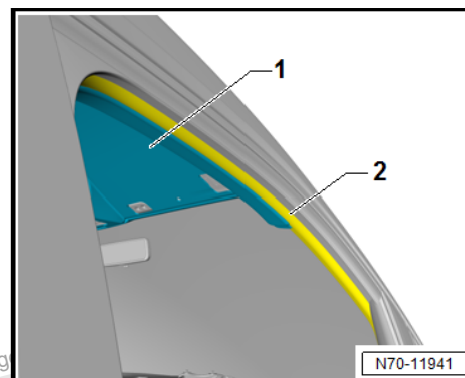
**NOTICE**

**Risk of damage from incorrect handling.**

- Do not kink moulded headliner.
- Release moulded headliner -1- from door seal beading -2-.
- Pull moulded headliner -1- in direction of travel out of clips.

**Important**

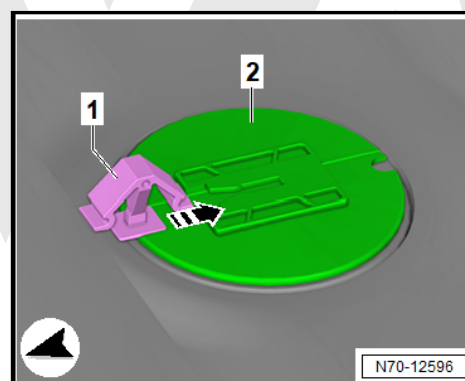
- The aid of an additional person is required for the subsequent work steps.
- Remove moulded headliner -1- towards side.



**Installing**

Install in reverse order of removal, observing the following:

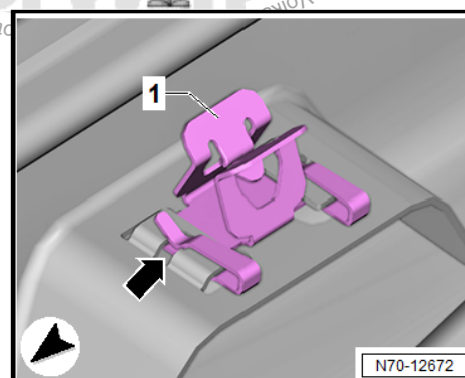
- Pull clips -1- out of roof cross members.
- Insert clips -1- into holder -2- in direction of -arrow-.



- Make sure that retaining clip -1- is in installation position -arrow-.

**Important**

- The aid of an additional person is required for the subsequent work steps.
- Position moulded headliner in front and rear centring element.
- Clip in moulded headliner starting at front.
- Make sure that no electrical wires are trapped.





### 8.3.4 Removing and installing moulded headliner, rear, with glass panel

#### Special tools and workshop equipment required

- ◆ 3 mm drill bit, commercially available
- ◆ Drill, commercially available
- ◆ Step drill bit, commercially available
- ◆ Suitable drill bit 3 mm, commercially available
- ◆ hook - 3370-
- ◆ removal wedge - T40233-
- ◆ step drill bit, commercially available

#### Note

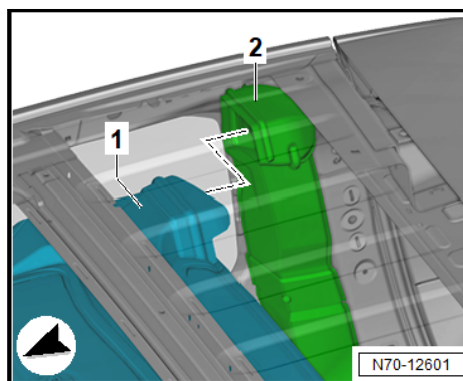
The moulded headliner is removed along with the vents. The vents can only be removed after the moulded headliner has been removed.

The rear moulded headliner with glass panel will henceforth be referred to as "moulded headliner".

#### Removing

- Remove front moulded headliner ⇒ Rep. gr. 70 ; Removing and installing moulded headliner .
- Release C-pillar trims ⇒ Rep. gr. 70 ; Removing and installing C-pillar trim .
- Remove roof end strip ⇒ Rep. gr. 70 ; Removing and installing roof end strip .
- Remove individual seats ⇒ Rep. gr. 72 ; Removing and installing individual seats .

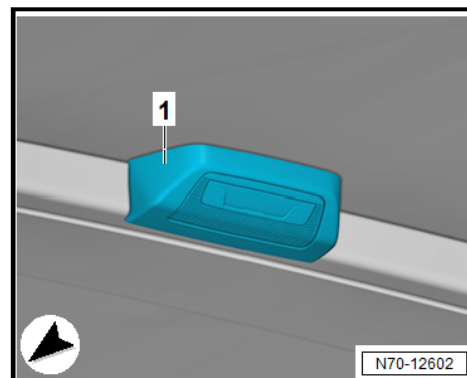
- Pull air duct system in D pillar -2- out of moulded headliner -1-.





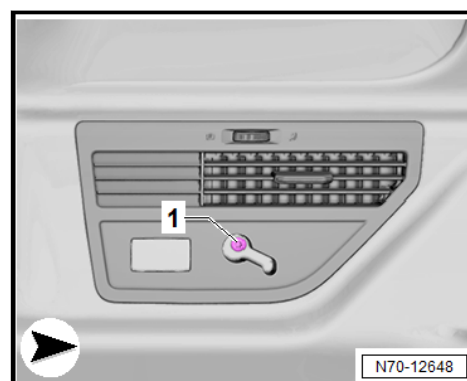
### Vehicles with operating and display unit for rear air conditioning system - E265-

- Use commercially available plastic wedge to release cover with operating and display unit for rear air conditioning system - E265- -1- far enough to gain access to electrical connector.
- Disconnect electrical connector.
- Remove cover with operating and display unit for rear air conditioning system - E265- -1-.



### All vehicles (continued)

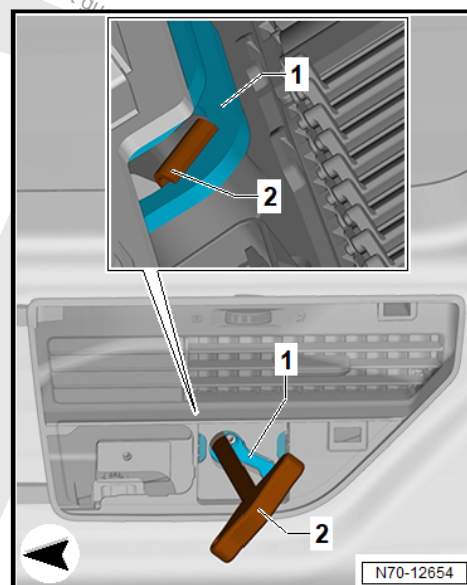
- Unscrew bolt -1-.



- Insert hook - 3370- -2- through opening in net partition retainer, and pull net partition mounting -1- to unclip it.

#### Important

- The net partition mounting must be unclipped at right angles to the vent.





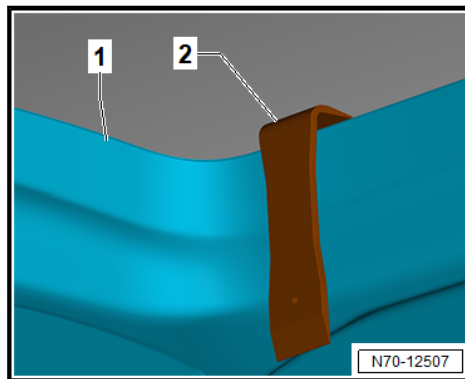
**NOTICE**

**Risk of damage from incorrect handling.**

- Do not kink moulded headliner.
- Release moulded headliner from beading of door seal and sliding door seal.
- Detach moulded headliner -1- downwards, in a straight line and all around using removal wedge - T40233- -2-.

**Note**

Moulded headliner is held in place by the arrester straps.



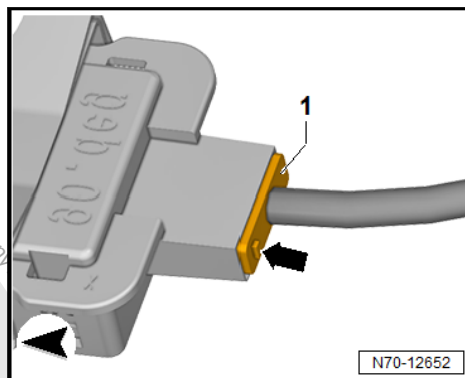
- Release fastener -arrow-, and disconnect electrical connectors -1- at rear interior lights/reading lights.

**Note**

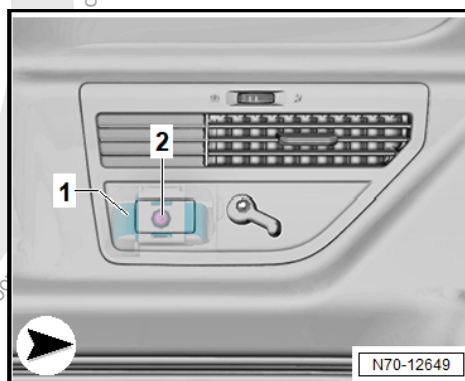
The electrical connectors on the interior lights/reading lights and the arrester strap bolts can be accessed between the moulded headliner and the roof cross member.

**Note**

The locking element of the electrical connectors on the interior lights/reading lights is located on the left-hand side when seen in the direction of travel.



- Detach arrester strap -1- from body by unscrewing bolt -2- between moulded headliner and roof cross member.



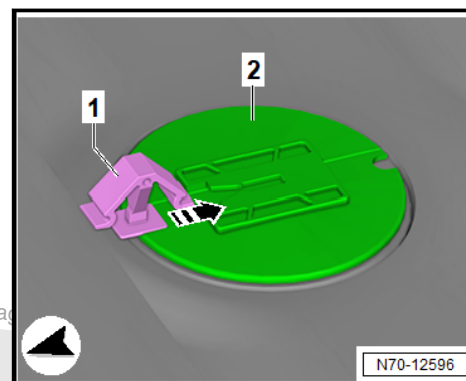
**Important**

- The aid of an additional person is required for the subsequent work steps.
- Remove moulded headliner towards rear.
- Place moulded headliner on a clean and soft surface.

## Installing

Install in reverse order of removal, observing the following:

- Pull clips -1- out of roof cross members.
- Insert clips -1- into holder -2- in direction of -arrow-.



- Release vent's freely accessible retaining clips.

## On front left and front right on air duct

### ! NOTICE

#### Risk of damage to air duct

- Do not drill hole too deep.

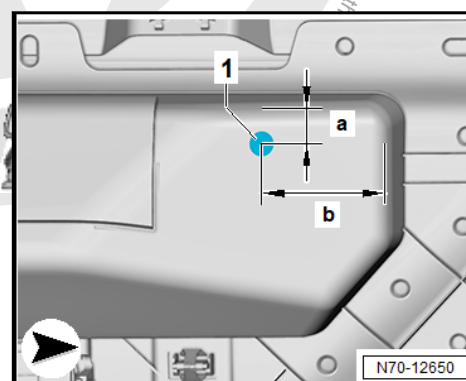
### Note

Access to the retaining clip of the vent can be obtained by drilling a hole into the air duct.

- Pre-drill hole -1- with a commercially available drill and a 3 mm drill bit, commercially available .
- Drill hole -1- with a commercially available drill and step drill bit, commercially available to 10 mm.

### Important

- Make sure to maintain dimension -a- = 13 mm.
- Make sure to maintain dimension -b- = 45 mm.
- Use a commercially available screwdriver to release retaining clip through hole. At the same time, remove vent from moulded headliner.
- Cut 2 pieces of self-adhesive aluminium foil ⇒ Electronic parts catalogue (ETKA) to size of 40 × 28 mm.
- Clean bonding surface with cleaning solution ⇒ Electronic parts catalogue (ETKA) .
- Cover hole in air duct with self-adhesive aluminium foil ⇒ Electronic parts catalogue (ETKA) .







## All vehicles (continued)

### On rear left and rear right on air duct

#### ! NOTICE

##### Risk of damage to air duct

- Do not drill hole too deep.

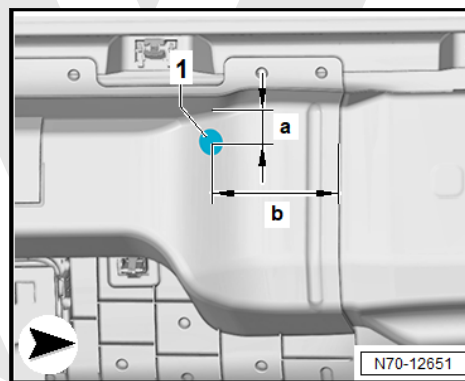
#### Note

Access to the retaining clip of the vent can be obtained by drilling a hole into the air duct.

- Pre-drill hole -1- with a commercially available drill and a 3 mm drill bit, commercially available .
- Drill hole -1- with a commercially available drill and step drill bit, commercially available to 10 mm.

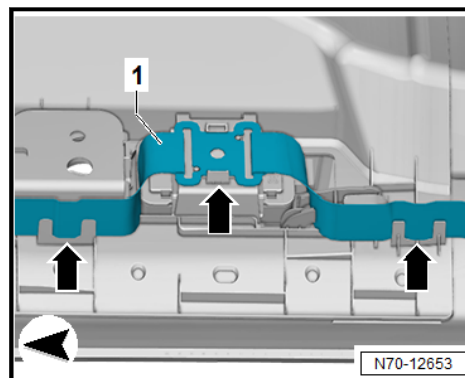
#### Important

- Make sure to maintain dimension -a- = 11 mm.
- Make sure to maintain dimension -b- = 85 mm.
- Use a commercially available screwdriver to release retaining clip through hole. At the same time, remove vent from moulded headliner.
- Cut 2 pieces of self-adhesive aluminium foil ⇒ Electronic parts catalogue (ETKA) to size of 40 × 28 mm.
- Clean bonding surface with cleaning solution ⇒ Electronic parts catalogue (ETKA) .
- Cover hole in air duct with self-adhesive aluminium foil ⇒ Electronic parts catalogue (ETKA) .



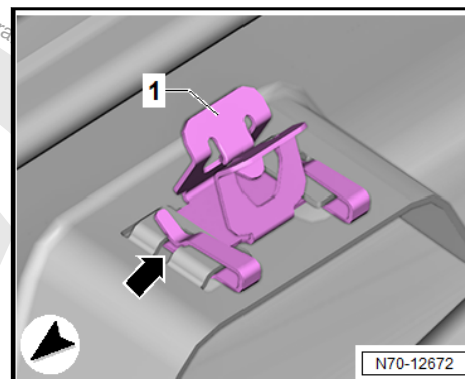
## All vehicles (continued)

- Route arrester strap -1- in retainer -arrows- on moulded headliner, and engage clips.



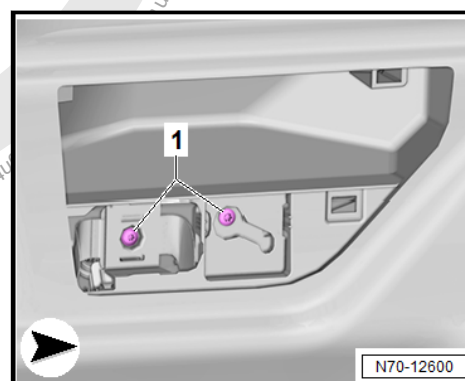


- Make sure that retaining clip -1- is in installation position -arrow-.



### Important

- The aid of an additional person is required for the subsequent work steps.
- Position moulded headliner in front and rear centring element.
- Clip in moulded headliner.
- Make sure that no electrical wires are trapped.
- Screw in bolts -1- by hand, and tighten them.



### Tightening torques

- ◆ ⇒ Rep. gr. 70 ; Assembly overview – moulded headliner
- ◆ ⇒ Rep. gr. 68 ; Assembly overview – net partition



## 72 – Seat frames

### 1 Safety information and repair notes

#### 1.1 Safety information

Observe safety information ⇒ Safety information and repair notes; Rep. gr. 00 ; Safety information .

#### 1.2 Repair instructions

Observe repair instructions ⇒ Safety and repair instructions; Rep. gr. 00 ; Repair instructions .



## 2 Front seats

### 2.1 Assembly overview – front seat

#### 2.1.1 Assembly overview – front seat, manually adjustable

The overview is shown for the left side of the vehicle as an example.





### 1 - Front backrest

- ☐ ⇒ Rep. gr. 72 ; Assembly overview – front backrest
- ☐ ⇒ Rep. gr. 72 ; Removing and installing front backrest

### 2 - Head restraint

- ☐ ⇒ Rep. gr. 72 ; Assembly overview - head restraint
- ☐ ⇒ Rep. gr. 72 ; Removing and installing head restraint

### 3 - Front centre armrest

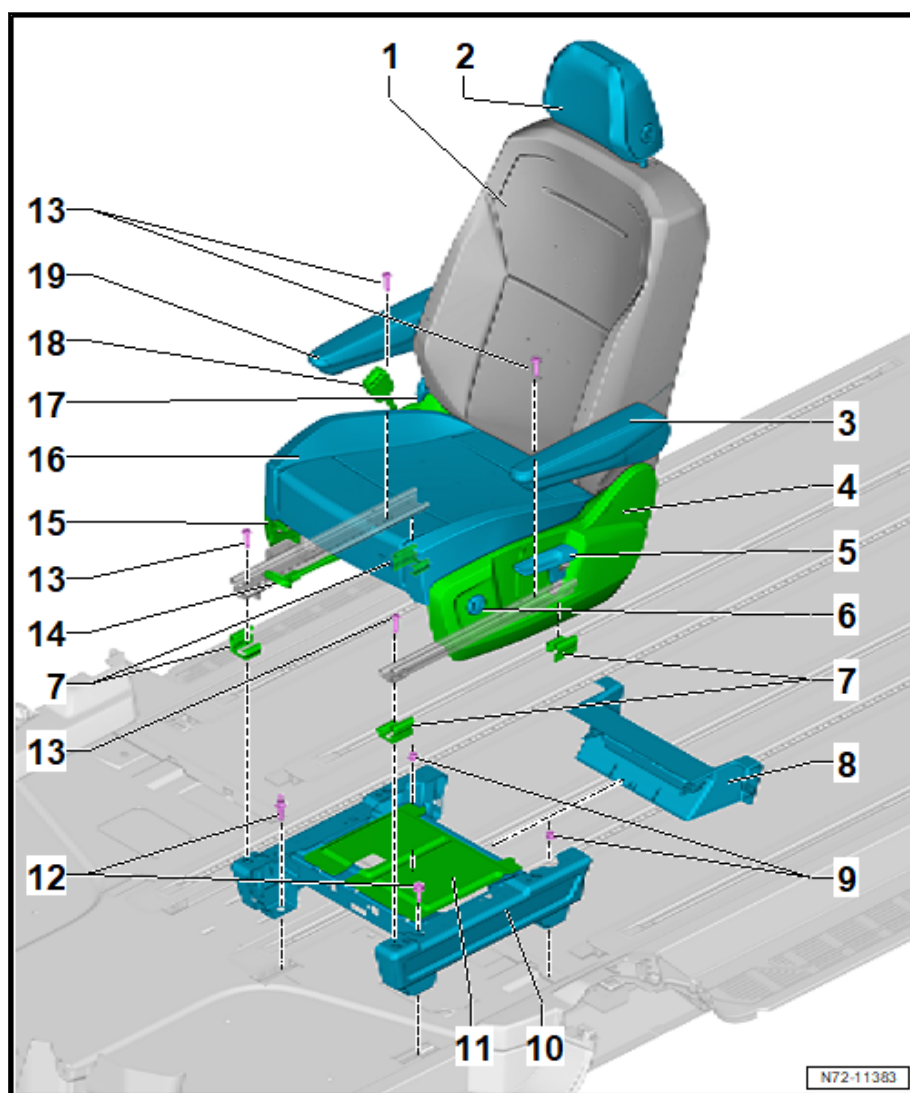
- ☐ Depending on equipment/installation period
- ☐ ⇒ Rep. gr. 68 ; Assembly overview - front centre armrest
- ☐ ⇒ Rep. gr. 68 ; Removing and installing front centre armrest

### 4 - Outer side trim

- ☐ Depending on equipment/installation period
- ☐ ⇒ Rep. gr. 72 ; Removing and installing outer seat trim

### 5 - Handle for seat height adjustment

- ☐ ⇒ Rep. gr. 72 ; Removing and installing seat height adjustment handle



### 6 - Driver seat lumbar support adjustment switch - E176- / front passenger seat lumbar support adjustment switch - E177-

- ☐ Depending on equipment/installation period
- ☐ ⇒ Rep. gr. 72 ; Removing and installing lumbar support adjustment switch E176/E177

### 7 - Cap

- ☐ Qty. 4

### 8 - Seat trim

- ☐ ⇒ Rep. gr. 72 ; Removing and installing seat trim

### 9 - Nut

- ☐ Qty. 2
- ☐ 55 Nm

### 10 - Seat frame

- ☐ ⇒ Rep. gr. 72 ; Removing and installing front seat

### 11 - Cover

### 12 - Bolt

- ☐ Qty. 2
- ☐ 55 Nm



### 13 - Bolt

- ☐ Qty. 4
- ☐ 40 Nm

### 14 - Handle

- ☐ For longitudinal seat adjustment

### 15 - Inner seat trim

- ☐ ⇒ Rep. gr. 72 ; Removing and installing inner seat trim

### 16 - Front seat

- ☐ ⇒ Rep. gr. 72 ; Removing and installing front seat

### 17 - Backrest adjuster

- ☐ ⇒ Rep. gr. 72 ; Removing and installing backrest adjuster

### 18 - Front belt buckle

- ☐ ⇒ Rep. gr. 69 ; Assembly overview – front belt buckle
- ☐ ⇒ Rep. gr. 69 ; Removing and installing front belt buckle

### 19 - Front centre armrest

- ☐ Depending on equipment/installation period
- ☐ ⇒ Rep. gr. 68 ; Assembly overview - front centre armrest
- ☐ ⇒ Rep. gr. 68 ; Removing and installing front centre armrest

## 2.1.2 Assembly overview - front seat, electric adjustment

The overview is shown for the left side of the vehicle as an example.



### 1 - Front backrest

- ☐ ⇒ Rep. gr. 72 ; Assembly overview – front backrest
- ☐ ⇒ Rep. gr. 72 ; Removing and installing front backrest

### 2 - Head restraint

- ☐ ⇒ Rep. gr. 72 ; Assembly overview - head restraint
- ☐ ⇒ Rep. gr. 72 ; Removing and installing head restraint

### 3 - Front centre armrest

- ☐ Depending on equipment/installation period
- ☐ ⇒ Rep. gr. 68 ; Assembly overview - front centre armrest
- ☐ ⇒ Rep. gr. 68 ; Removing and installing front centre armrest

### 4 - Driver operating unit for memory settings - E464- / front passenger operating unit for memory settings - E465-

- ☐ Depending on equipment/installation period
- ☐ ⇒ Rep. gr. 72 ; Removing and installing operating unit for memory settings [E464]/[E465]

### 5 - Outer side trim

- ☐ Depending on equipment/installation period
- ☐ ⇒ Rep. gr. 72 ; Removing and installing outer seat trim

### 6 - Driver seat adjustment operating unit - E470- / front passenger seat adjustment operating unit - E471-

- ☐ Depending on equipment/installation period
- ☐ ⇒ Rep. gr. 72 ; Removing and installing seat adjustment operating unit [E470]/[E471]

### 7 - Driver seat lumbar support adjustment switch - E176- / front passenger seat lumbar support adjustment switch - E177-

- ☐ Depending on equipment/installation period
- ☐ ⇒ Rep. gr. 72 ; Removing and installing lumbar support adjustment switch E176/E177

### 8 - Cap

- ☐ Qty. 4

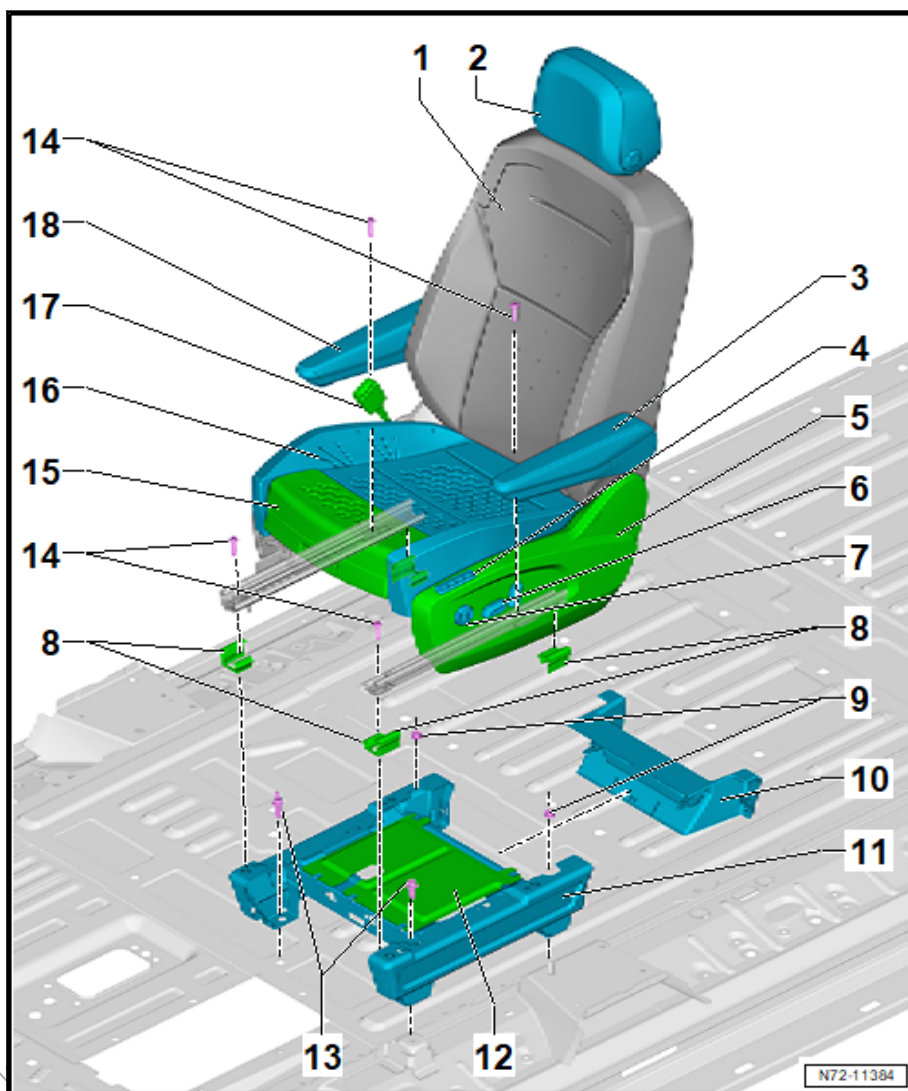
### 9 - Nut

- ☐ Qty. 2
- ☐ 55 Nm

### 10 - Seat trim

- ☐ Depending on equipment/installation period
- ☐ ⇒ Rep. gr. 72 ; Removing and installing seat trim

### 11 - Seat frame







- ☐ ⇒ Rep. gr. 72 ; Removing and installing front seat

## 12 - Cover

## 13 - Bolt

- ☐ Qty. 2
- ☐ 55 Nm

## 14 - Bolt

- ☐ Qty. 4
- ☐ 40 Nm

## 15 - Seat depth adjustment

- ☐ ⇒ Rep. gr. 72 ; Assembly overview - seat depth adjuster
- ☐ ⇒ Rep. gr. 72 ; Removing and installing seat depth adjuster

## 16 - Front seat

- ☐ ⇒ Rep. gr. 72 ; Removing and installing front seat

## 17 - Front belt buckle

- ☐ ⇒ Rep. gr. 69 ; Assembly overview – front belt buckle
- ☐ ⇒ Rep. gr. 69 ; Removing and installing front belt buckle

## 18 - Front centre armrest

- ☐ Depending on equipment/installation period
- ☐ ⇒ Rep. gr. 68 ; Assembly overview - front centre armrest
- ☐ ⇒ Rep. gr. 68 ; Removing and installing front centre armrest

## 2.2 Assembly overview – front backrest

The overview is shown for the left side of the vehicle as an example.



### 1 - Front backrest

- ❑ ⇒ Rep. gr. 72 ; Removing and installing front backrest

### 2 - Head restraint

- ❑ ⇒ Rep. gr. 72 ; Assembly overview - head restraint
- ❑ ⇒ Rep. gr. 72 ; Removing and installing head restraint

### 3 - Head restraint guide

- ❑ ⇒ Rep. gr. 72 ; Assembly overview - head restraint
- ❑ ⇒ Rep. gr. 72 ; Removing and installing head restraint guide

### 4 - Bolt

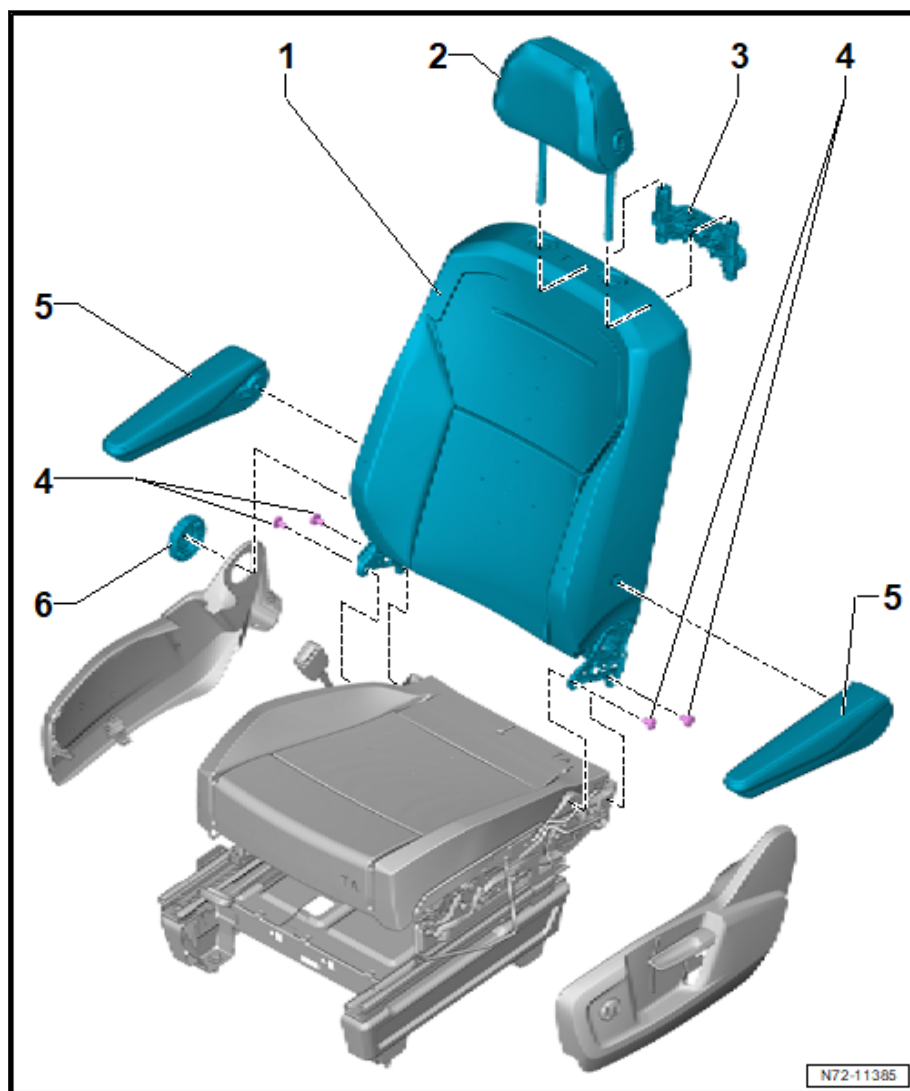
- ❑ Qty. 4
- ❑ Renew after removing
- ❑ ⇒ [page 194](#)

### 5 - Centre armrest

- ❑ Depending on equipment/installation period
- ❑ Qty. 2
- ❑ ⇒ Rep. gr. 68 ; Assembly overview - front centre armrest
- ❑ ⇒ Rep. gr. 68 ; Removing and installing front centre armrest

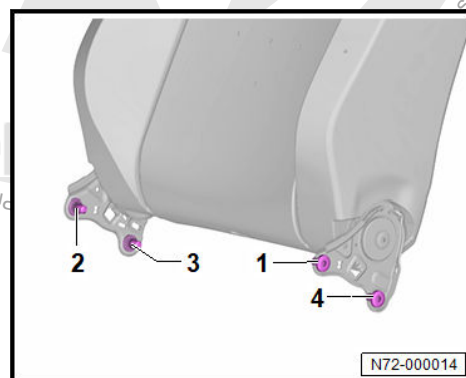
### 6 - Backrest adjuster

- ❑ Depending on equipment/installation period
- ❑ ⇒ Rep. gr. 72 ; Removing and installing backrest adjuster



### Backrest – specified torque and tightening sequence

Stage	Bolts	Specified torque/turning further angle
1.	-1-	33 Nm
2.	-2-	33 Nm
3.	-3-	33 Nm
4.	-4-	33 Nm



## 2.3 Assembly overview – seat pan

### 2.3.1 Assembly overview - seat pan, manual adjustment

Overview is shown for left side of vehicle as an example

#### 1 - Padding

- ☐ ⇒ Rep. gr. 74 ; Assembly overview – seat pan cover and padding
- ☐ ⇒ Rep. gr. 74 ; Removing and installing seat pan cover and padding
- ☐ ⇒ Rep. gr. 74 ; Separating seat pan cover from seat pan padding

#### 2 - Seat trim bracket

- ☐ Qty. 2
- ☐ ⇒ Rep. gr. 72 ; Removing and installing seat trim bracket

#### 3 - Bolt

- ☐ Qty. 4
- ☐ 8 Nm

#### 4 - Bolt

- ☐ Qty. 2
- ☐ 1 Nm

#### 5 - Spreader rivet

- ☐ Qty. 2

#### 6 - Handle for seat height adjustment

- ☐ ⇒ Rep. gr. 72 ; Removing and installing seat height adjustment handle

#### 7 - Outer seat trim

- ☐ Depending on equipment/installation period
- ☐ ⇒ Rep. gr. 72 ; Removing and installing outer seat trim

#### 8 - Driver seat lumbar support adjustment switch - E176- / front passenger seat lumbar support adjustment switch - E177-

- ☐ Depending on equipment/installation period
- ☐ ⇒ Rep. gr. 72 ; Removing and installing lumbar support adjustment switch [E176]/[E177]

#### 9 - Seat frame

#### 10 - Handle

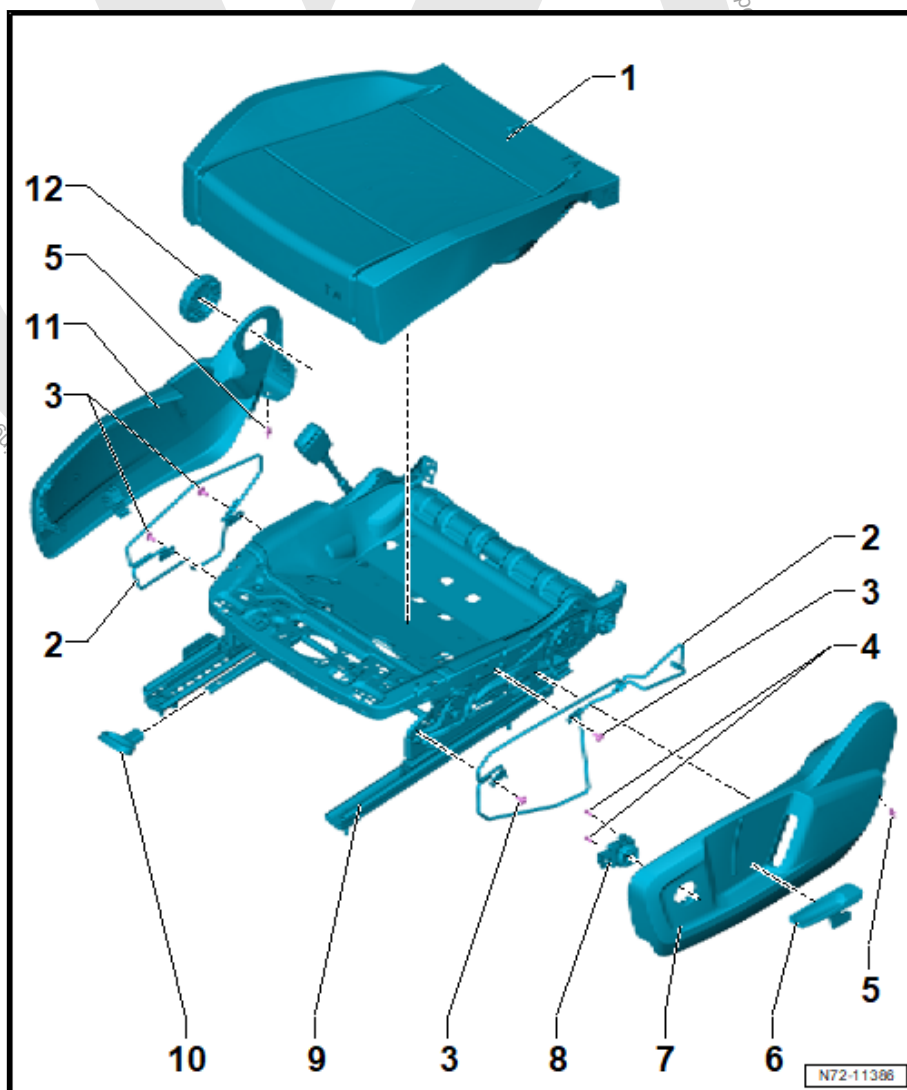
- ☐ For longitudinal seat adjustment

#### 11 - Inner seat trim

- ☐ ⇒ Rep. gr. 72 ; Removing and installing inner seat trim

#### 12 - Backrest adjuster

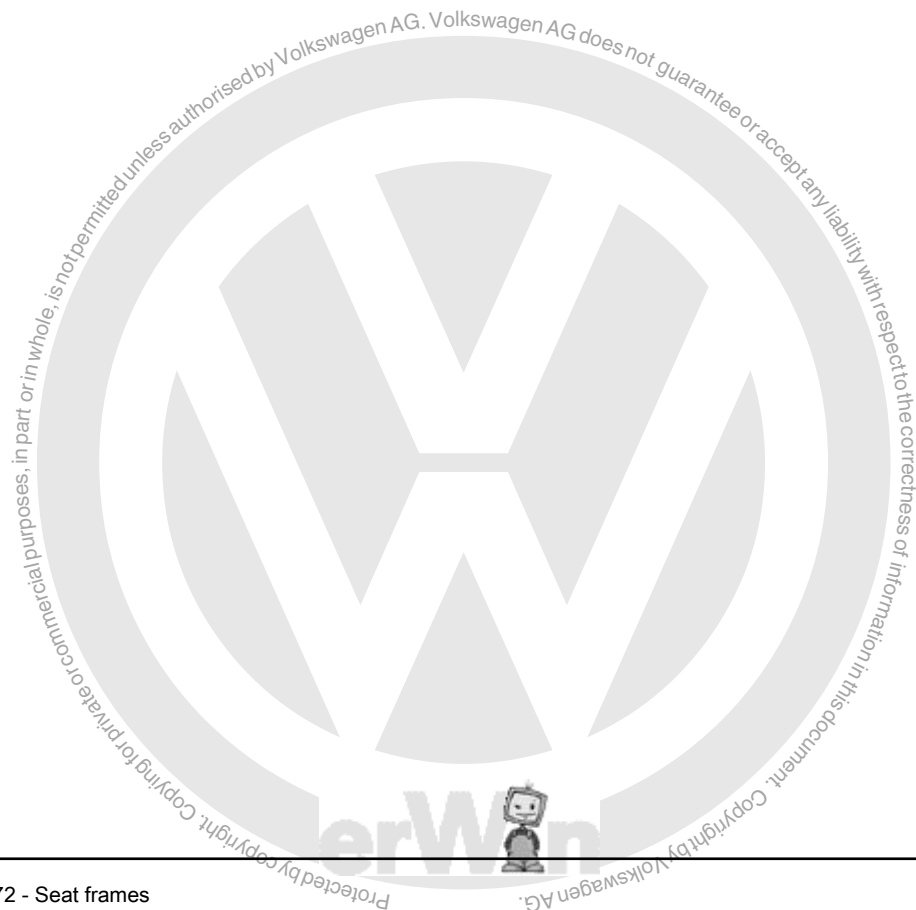
- ☐ ⇒ Rep. gr. 72 ; Removing and installing backrest adjuster





## 2.3.2 Assembly overview - seat pan, electric adjustment

Overview is shown for left side of vehicle as an example





### 1 - Padding

- ☐ For seat depth adjustment
- ☐ ➔ Rep. gr. 74 ; Removing and installing seat pan cover and padding

### 2 - Padding

- ☐ ➔ Rep. gr. 74 ; Assembly overview – seat pan cover and padding
- ☐ ➔ Rep. gr. 74 ; Removing and installing seat pan cover and padding
- ☐ ➔ Rep. gr. 74 ; Separating seat pan cover from seat pan padding

### 3 - Bolt

- ☐ Qty. 4
- ☐ 8 Nm

### 4 - Seat trim bracket

- ☐ Qty. 2
- ☐ ➔ Rep. gr. 72 ; Removing and installing seat trim bracket

### 5 - Bolt

- ☐ Qty. 3
- ☐ 1 Nm

### 6 - Driver operating unit for memory settings - E464- / front passenger operating unit for memory settings - E465-

- ☐ With seat memory position button 1 - E218-
- ☐ With seat memory position button 2 - E219-
- ☐ With seat memory position button 3 - E220-
- ☐ With driver seat memory function button - E283- / front passenger seat memory function button - E340-
- ☐ With driver seat massage function button - E670- / front passenger seat massage function button - E671-
- ☐ ➔ Rep. gr. 72 ; Removing and installing operating unit for memory settings [E464]/[E465]

### 7 - Spreader rivet

- ☐ Qty. 2

### 8 - Driver seat adjustment operating unit - E470- / front passenger seat adjustment operating unit - E471-

- ☐ ➔ Rep. gr. 72 ; Removing and installing seat adjustment operating unit [E470]/[E471]

### 9 - Outer seat trim

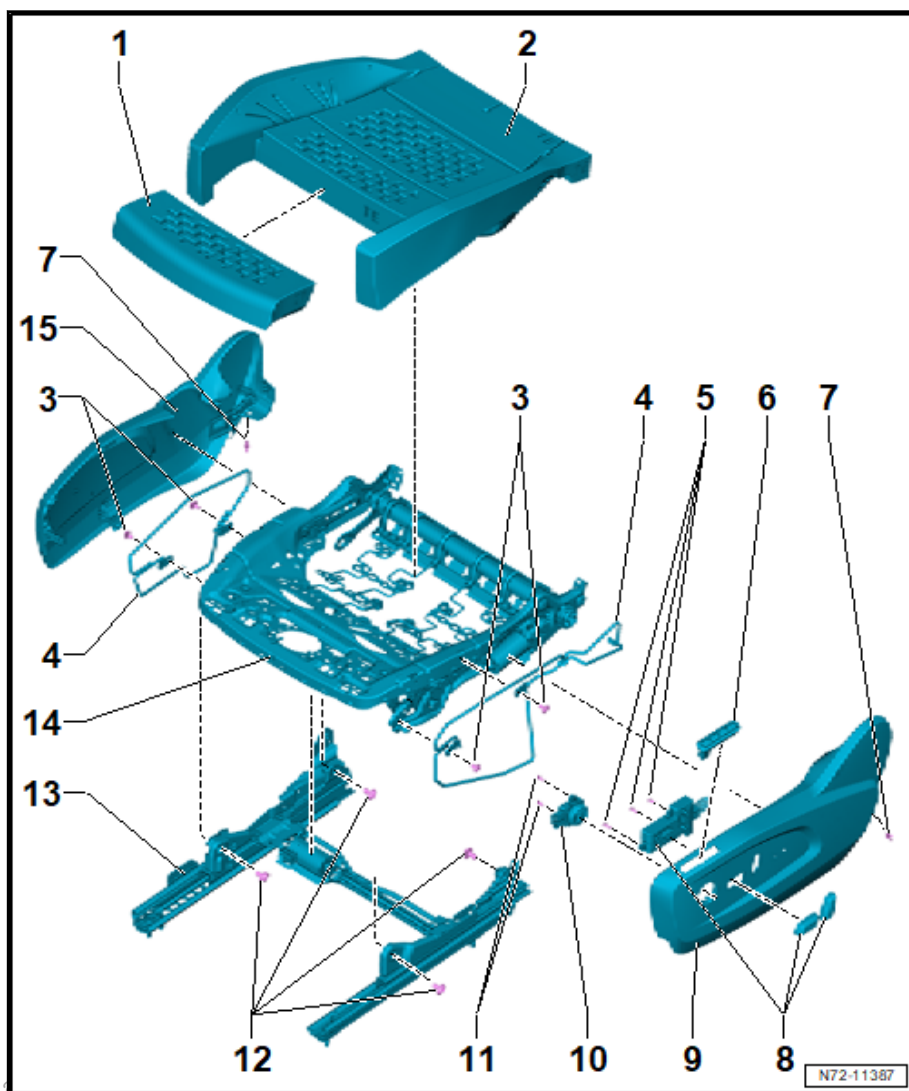
- ☐ ➔ Rep. gr. 72 ; Removing and installing outer seat trim

### 10 - Driver seat lumbar support adjustment switch - E176- / front passenger seat lumbar support adjustment switch - E177-

- ☐ ➔ Rep. gr. 72 ; Removing and installing lumbar support adjustment switch [E176]/[E177]

### 11 - Bolt

- ☐ Qty. 2





- ❑ 1 Nm

## 12 - Bolt

- ❑ Qty. 4
- ❑ 24 Nm

## 13 - Seat frame

- ❑ With driver seat longitudinal adjustment motor - V28- or front passenger seat longitudinal adjustment motor - V31-
- ❑ ⇒ Rep. gr. 72 ; Removing and installing seat longitudinal adjustment motor [V28]/[V31]

## 14 - Seat pan

## 15 - Inner seat trim

- ❑ ⇒ Rep. gr. 72 ; Removing and installing inner seat trim

## 2.4 Assembly overview – head restraint

Overview shows left-side of vehicle as an example

### 1 - Head restraint

- ❑ ⇒ Rep. gr. 72 ; Removing and installing head restraint

### 2 - Cover

- ❑ Qty. 2

### 3 - Head restraint guide

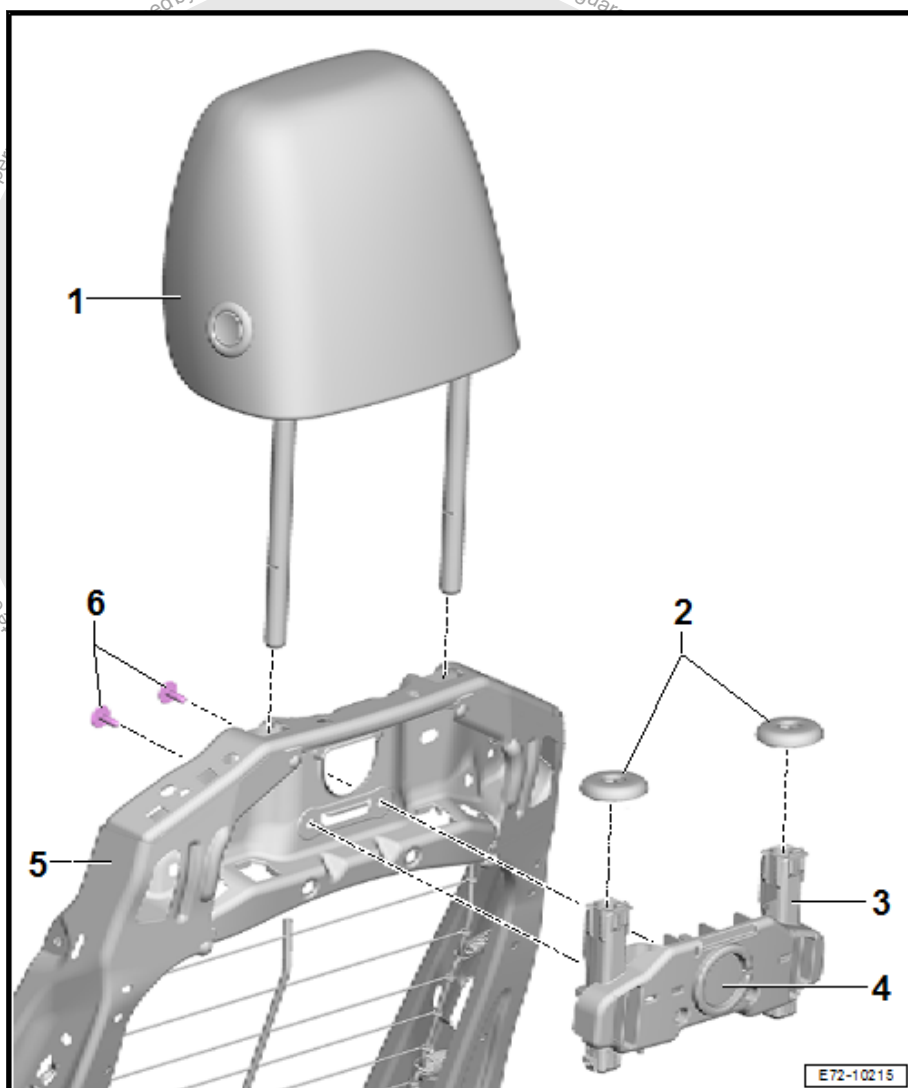
- ❑ ⇒ Rep. gr. 72 ; Removing and installing head restraint guide

### 4 - Head restraint release button

### 5 - Backrest frame

### 6 - Bolt

- ❑ Qty. 2
- ❑ 2 Nm







## 2.5 Assembly overview ? seat height adjustment

### 2.5.1 Assembly overview – seat height adjustment, manual

Overview is shown for left side of vehicle as an example

#### 1 - Handle for seat height adjustment

- ❑ ⇒ Rep. gr. 72 ; Removing and installing seat height adjustment handle

#### 2 - Retaining clip

#### 3 - Lever

- ❑ For seat height adjustment

#### 4 - Bolt

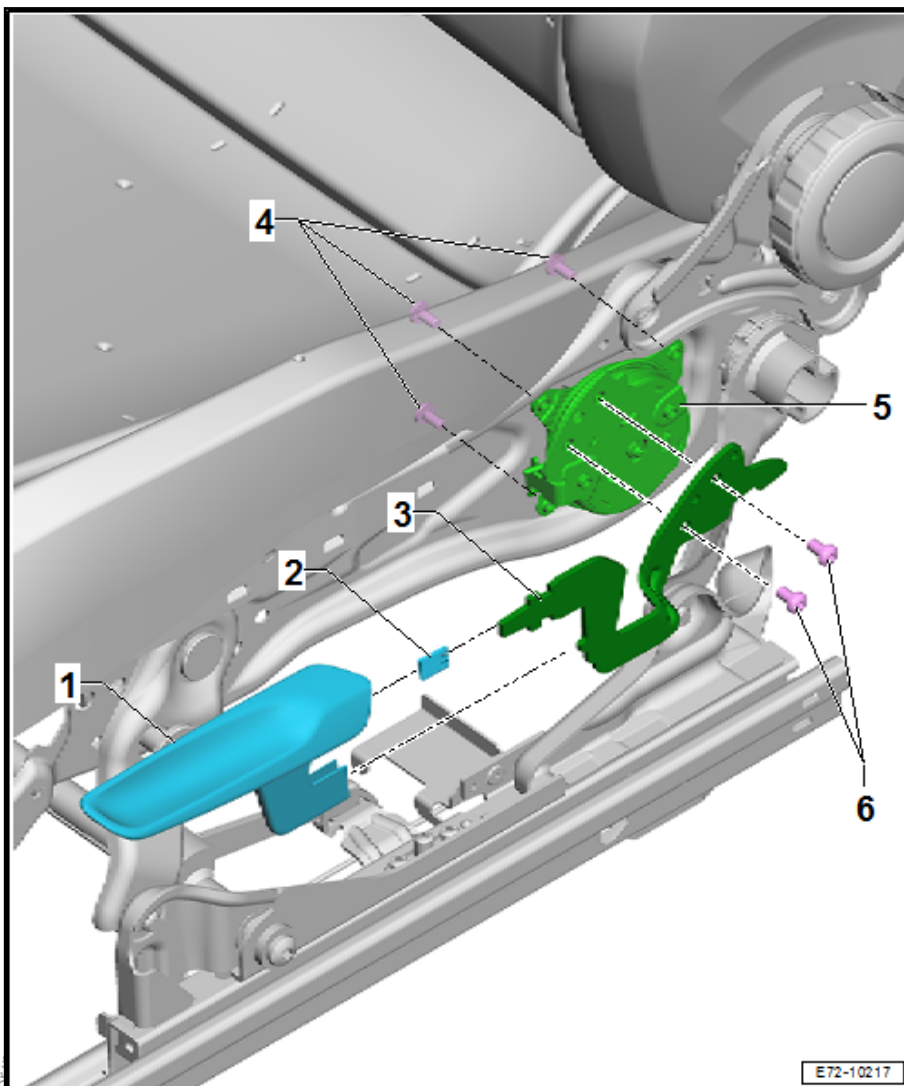
- ❑ Qty. 3
- ❑ 6 Nm

#### 5 - Seat height adjuster

- ❑ ⇒ Rep. gr. 72 ; Removing and installing seat height adjuster

#### 6 - Bolt

- ❑ Qty. 2
- ❑ 6 Nm



### 2.5.2 Assembly overview – seat height adjustment, electrical

Overview is shown for left side of vehicle as an example





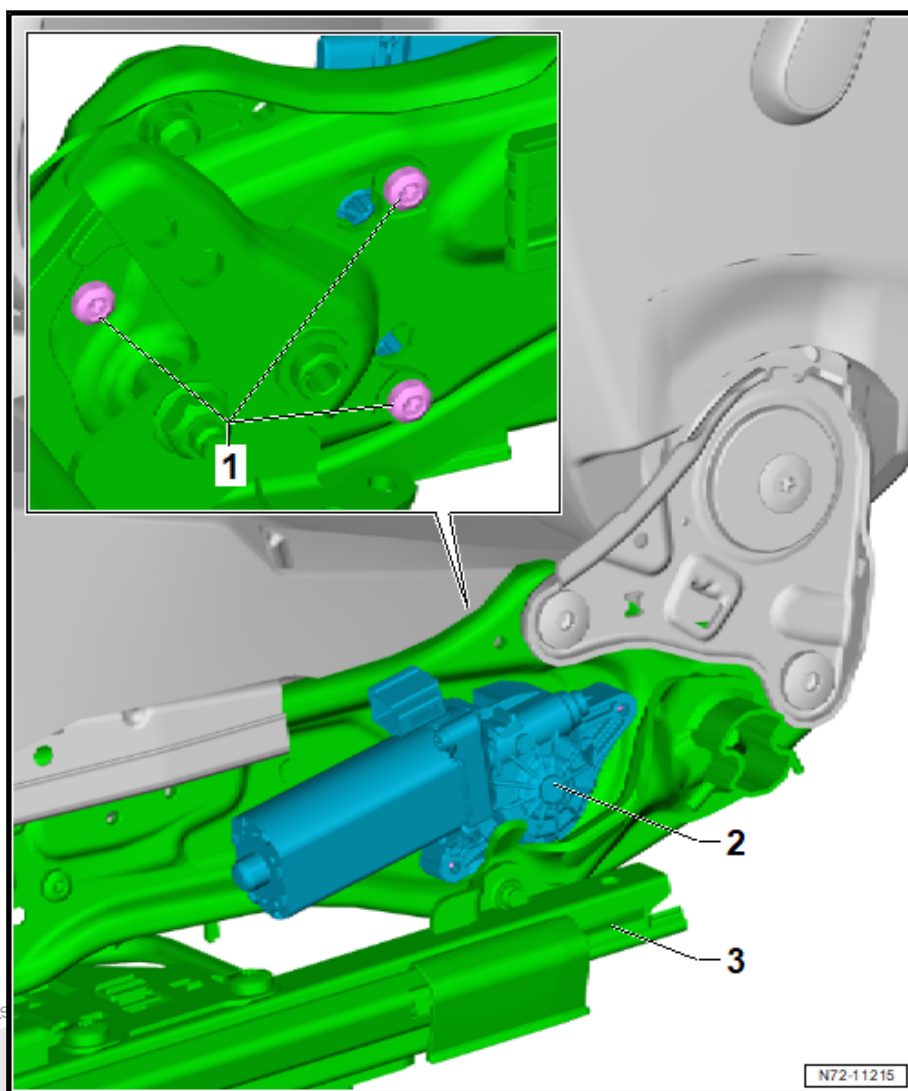
### 1 - Bolt

- ☐ Qty. 3
- ☐ Renew after removing
- ☐ 6.5 Nm

### 2 - Driver seat height adjustment motor - V245- / front passenger seat height adjustment motor - V246-

- ☐ ⇒ Rep. gr. 72 ; Removing and installing seat height adjustment unit, electrically adjustable

### 3 - Seat pan



## 2.6 Assembly overview – seat rake adjustment

Overview shown for left side of vehicle as an example.



**1 - Driver seat rake adjustment motor - V243- / front passenger seat rake adjustment motor - V244-**

- ☐ ⇒ Rep. gr. 72 ; Removing and installing seat rake adjustment unit

**2 - Bracket**

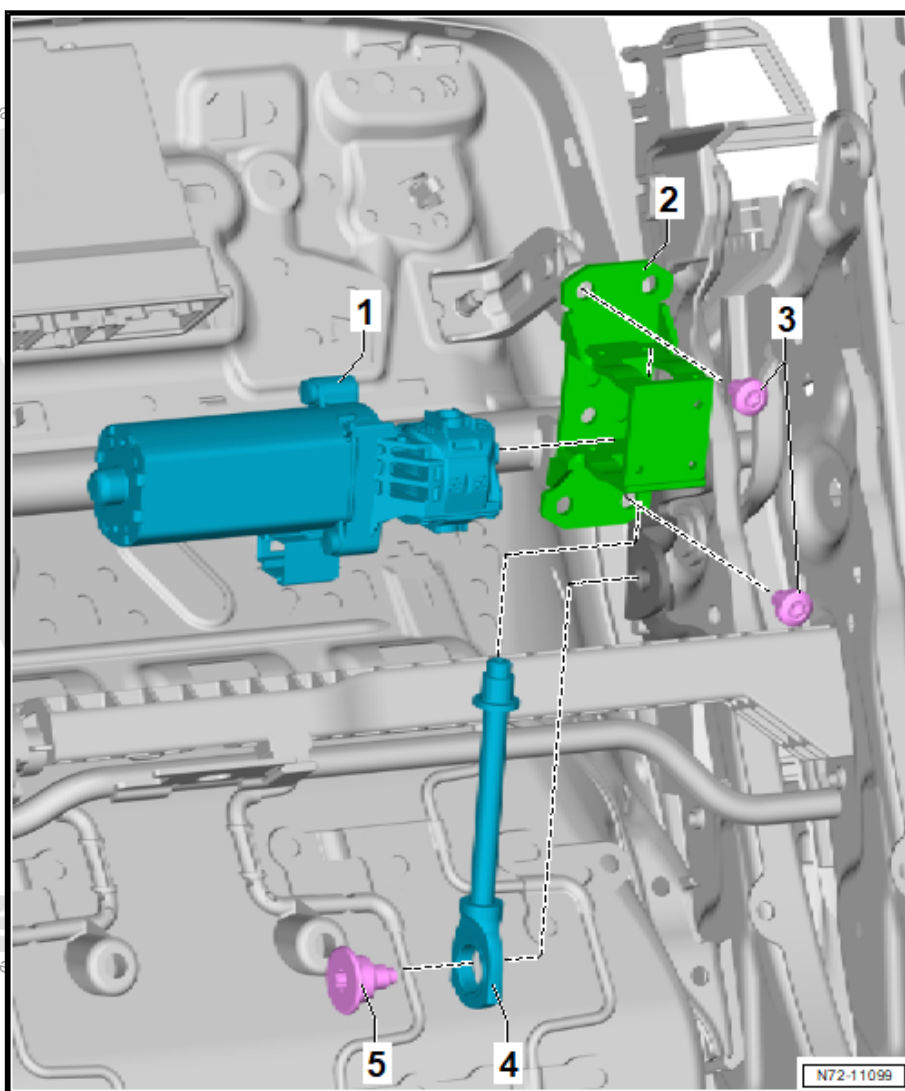
**3 - Bolt**

- ☐ Qty. 2
- ☐ Renew after removing
- ☐ 10 Nm

**4 - Adjustment spindle**

**5 - Bolt**

- ☐ Renew after removing
- ☐ 20 Nm



## 2.7 Assembly overview - lumbar support

The overview is shown for the left side of the vehicle as an example.



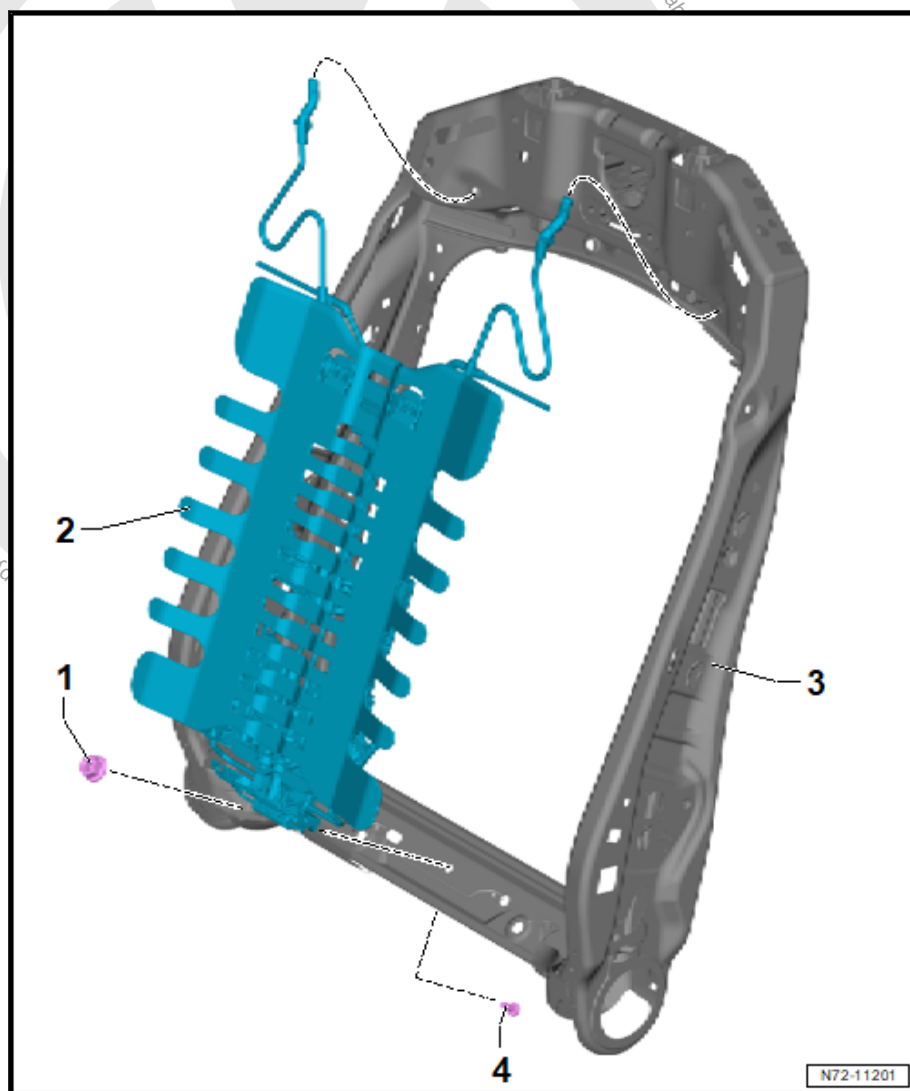
**1 - Pop rivet**

**2 - Lumbar support**

- ☐ With driver seat lumbar support longitudinal adjustment motor - V125- / driver seat lumbar support height adjustment motor - V129-
- ☐ With front passenger seat lumbar support longitudinal adjustment motor - V126- / front passenger seat lumbar support height adjustment motor - V130-
- ☐ ⇒ Rep. gr. 72 ; Removing and installing lumbar support adjustment motor V125/V126/V129/V130

**3 - Outer backrest frame**

**4 - Pop rivet**



## 2.8 Assembly overview - seat depth adjuster

The overview is shown for the left side of the vehicle as an example.



#### 1 - Nut

- ☐ Qty. 4
- ☐ Renew after removing
- ☐ 6 Nm

#### 2 - Seat depth adjuster trim

- ☐ ⇒ Rep. gr. 72 ; Removing and installing seat depth adjuster

#### 3 - Bolt

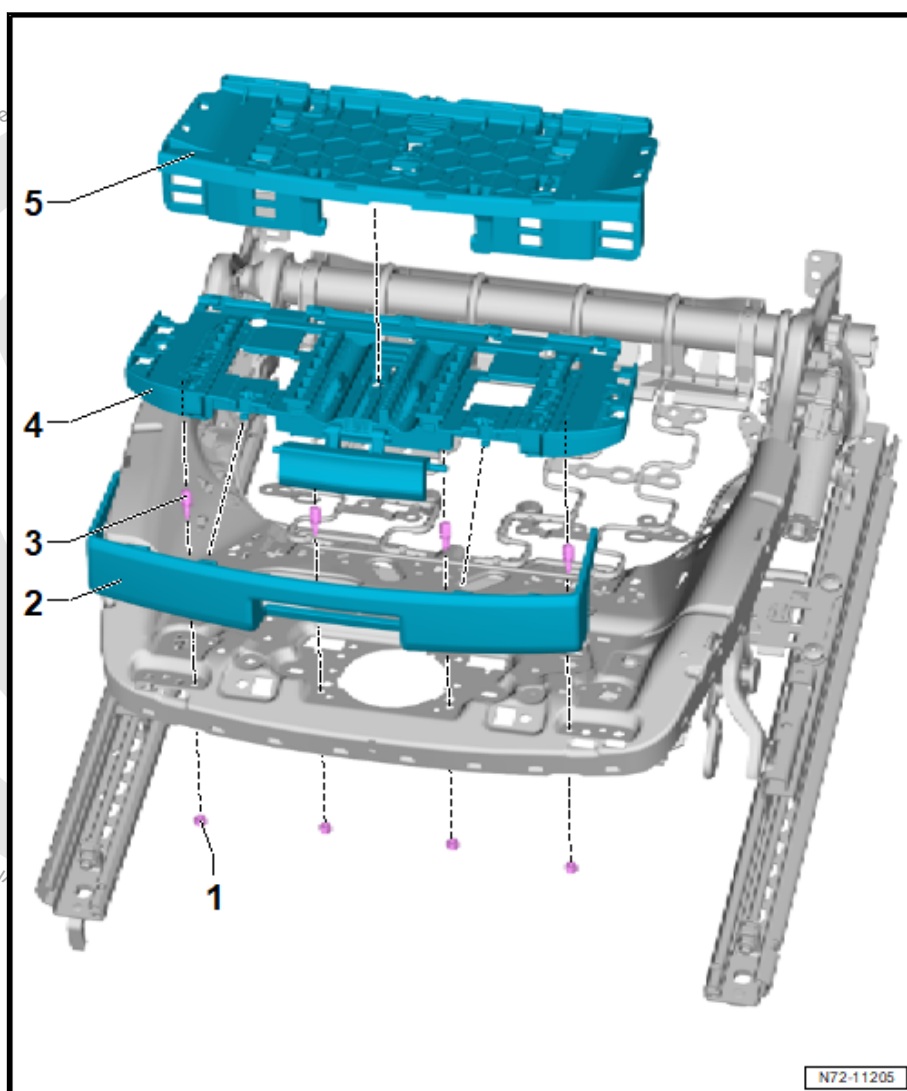
- ☐ Qty. 4
- ☐ Renew after removing

#### 4 - Base plate for seat depth adjustment

- ☐ ⇒ Rep. gr. 72 ; Removing and installing seat depth adjuster

#### 5 - Mounting plate for seat depth adjustment

- ☐ ⇒ Rep. gr. 72 ; Removing and installing seat depth adjuster



## 2.9 Assembly overview – folding table



### 1 - Folding table

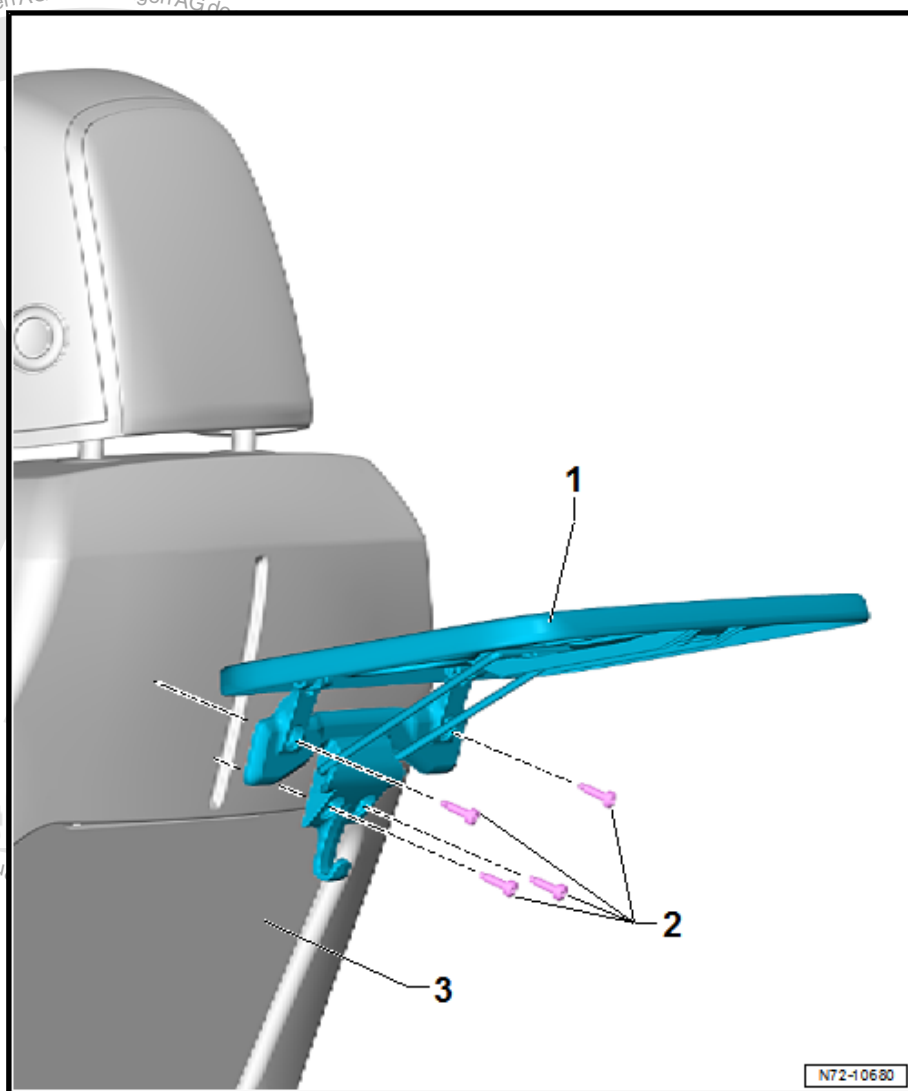
- ☐ ⇒ Rep. gr. 72 ; Removing and installing folding table

### 2 - Bolt

- ☐ Qty. 4
- ☐ 2.5 Nm

### 3 - Front backrest

- ☐ ⇒ Rep. gr. 72 ; Removing and installing front backrest



## 2.10 Assembly overview – fire extinguisher



**1 - Clamping nut**

- Qty. 2

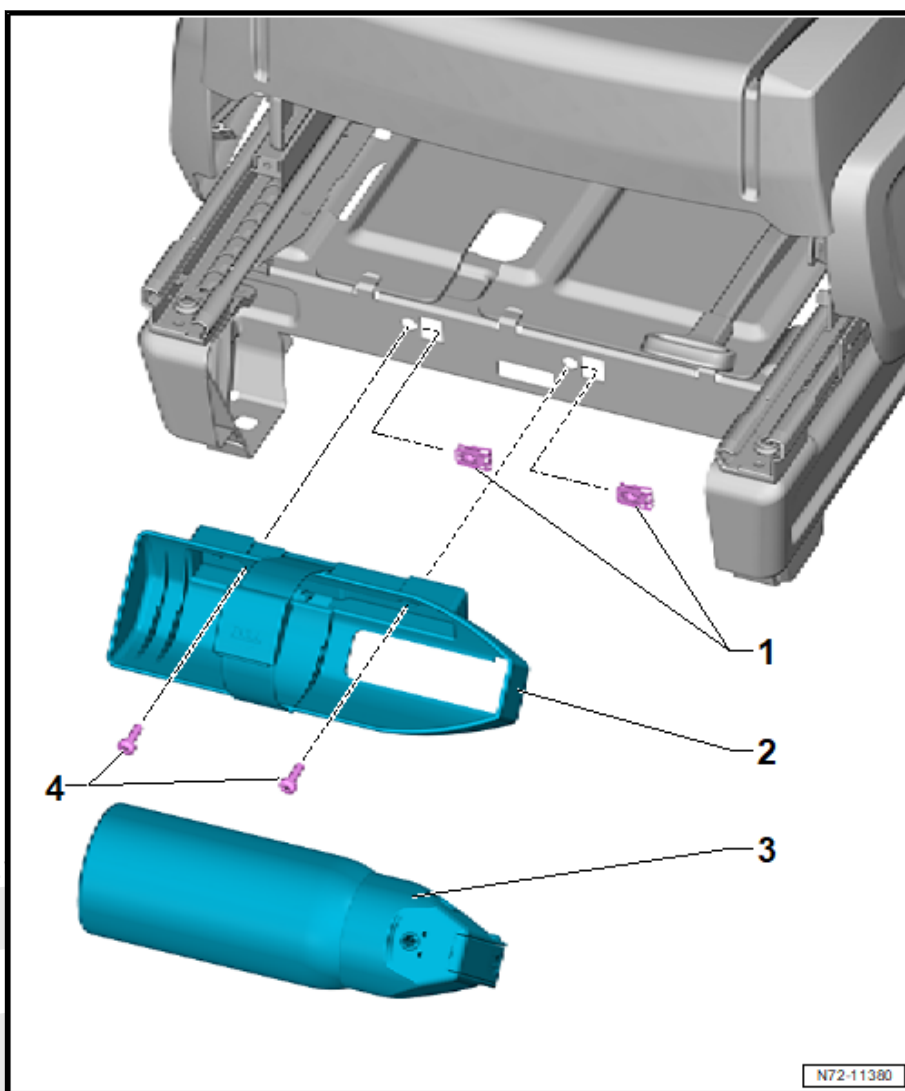
**2 - Fire extinguisher holder**

- ⇒ Rep. gr. 72 ; Removing and installing fire extinguisher holder

**3 - Fire extinguisher**

**4 - Bolt**

- Qty. 2
- 8 Nm



## 2.11 Removing and installing front seat

### 2.11.1 Removing and installing front seat

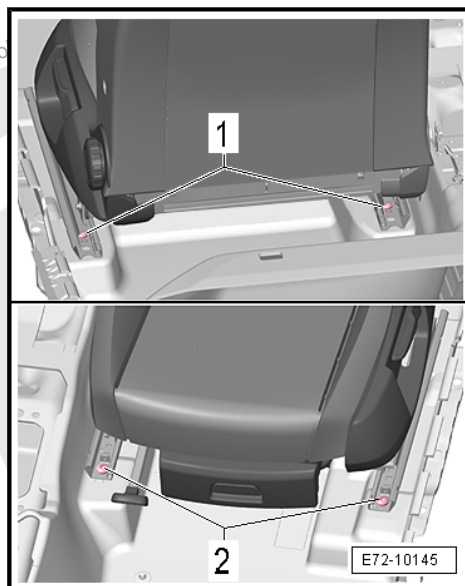
Removal and installation are described for left side of vehicle as an example.

#### Removing

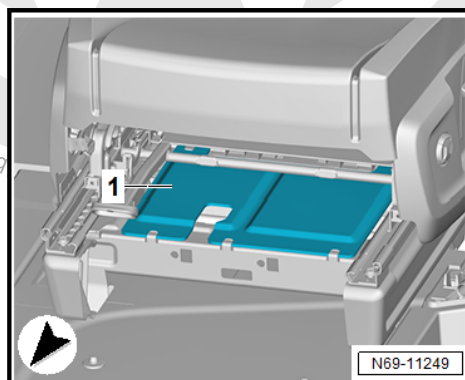
- Disconnect battery ⇒ Electrical system; Rep. gr. 27 ; Battery; Disconnecting and connecting battery .



- Move front seat to foremost position.
- Unscrew bolts -1-.
- Move front seat to rearmost position.
- Unscrew bolts -2-.
- Tilt front seat towards rear.



- Remove cover -1-.



#### CAUTION

It is possible to trigger pyrotechnic components unintentionally.

Risk of injury

- Discharge static electricity by briefly touching door striker plate.

#### NOTICE

Risk of irreparable damage due to electrostatic discharge.

- Do not touch connector contacts with your hands.
- Touch the lifting platform or other earthed object to discharge static electricity.
- Disconnect electrical connectors.





**! NOTICE**

**Risk of damage to the front seat at lifting out or during transportation.**

- Do not grab the front seat by attachments when lifting (e.g. belt buckle, seat longitudinal adjustment lever, seat height adjustment lever or seat trim).
- Use suitable means to protect attachments against damage.

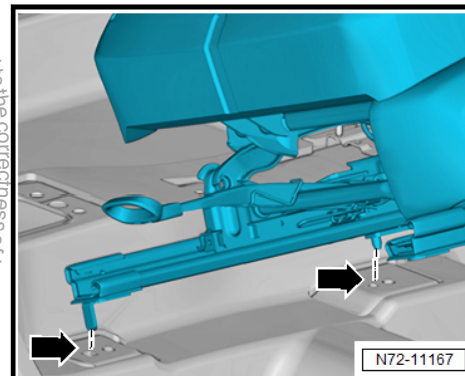
Important

- The aid of an additional person is required for the subsequent work steps.
- Lift out front seat.

## Installing

Install in reverse order of removal, observing the following:

- Insert front seat.
- Insert centring pin on front inner side -arrow-.
- Insert centring pin on rear inner side -arrow-.



- Align seat rails.

Important

- Seat rails must have same position in fasteners.
- Align front seat.
- Fit electrical connector.
- Connect battery earth cable ⇒ Electrical system; Rep. gr. 27 ; Battery; Disconnecting and connecting battery .



### ⚠ CAUTION

Pyrotechnic components can trigger unintentionally.

Risk of injury.

- Keep far away from pyrotechnic components when switching on ignition.

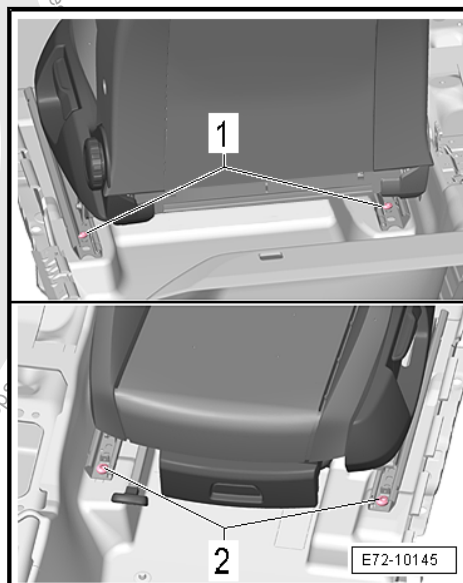
- Switch on ignition.
- Read and clear event memory using ⇒ Vehicle diagnostic tester.

### ! NOTICE

Risk of damage to thread in seat frame.

- Keep bolts straight.
- Renew seat frame if thread is damaged.

- Screw in bolts -2- by hand.  
Move front seat to foremost position.  
Screw in bolts -1- hand-tight.  
Tighten bolts -1-.  
Move front seat to rearmost position.  
Tighten bolts -2-.



### Tightening torques

- ♦ ⇒ Rep. gr. 72 ; Assembly overview – front seat

## 2.11.2 Removing and installing front seat, seat frame

Removal and installation are described for left side of vehicle as an example.

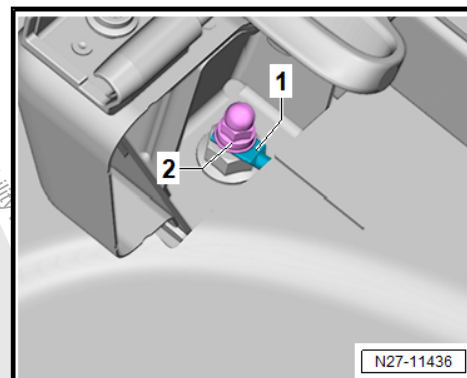
### Removing

- Remove front seat ⇒ Rep. gr. 72 ; Removing and installing front seat .

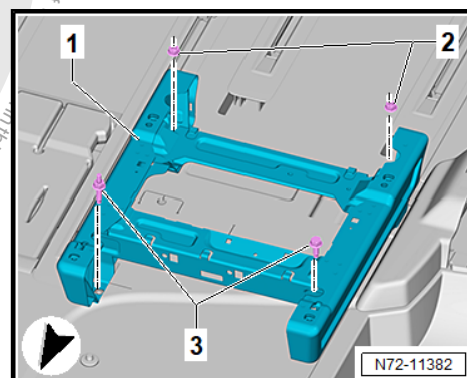


- Remove seat trim ➔ Rep. gr. 72 ; Removing and installing seat trim .

- Unscrew nut -2-, and remove earth wire -1-.



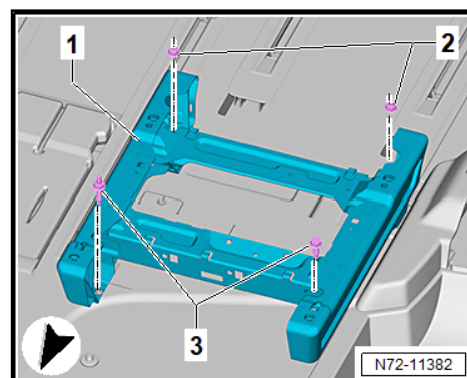
- Unscrew bolts -3-.
- Detach wiring harnesses from seat frame -1-.
- Unscrew nuts -2-.
- Remove seat frame -2-.



## Installing

Install in reverse order of removal, observing the following:

- Position seat frame -1- via rear stud.
- Screw in bolts -3- by hand, and tighten them.
- Screw on nuts -2- by hand, and tighten them.





## Tightening torques

- ◆ ⇒ Rep. gr. 72 ; Assembly overview – front seat
- ◆ ⇒ Electrical system; Rep. gr. 27 ; Battery; Assembly overview – battery

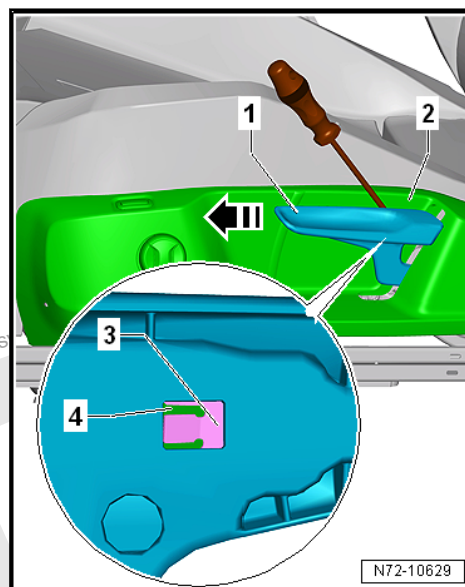
## 2.12 Removing and installing seat height adjustment handle

Seat height adjustment handle is referred to hereafter as handle.

Removal and installation are described for the left-side of vehicle as an example.

### Removing

- Pull handle -1- as far as possible upwards, and hold it there.
- Guide a commercially available screwdriver through handle -1- and outer seat trim -2- up to retaining clip -3-.
- Release retaining clip -3- using the commercially available screwdriver.
- Pull handle -1- in direction of -arrow- off seat height adjustment lever -4-.



### Installing

Install in reverse order of removal, observing the following:

- Pull to check proper engagement.

## 2.13 Removing and installing seat rake adjustment motor [V243]/[V244]

Driver seat rake adjustment motor - V243- and front passenger seat rake adjustment motor - V244- will henceforth be referred to as "seat rake adjustment motor".

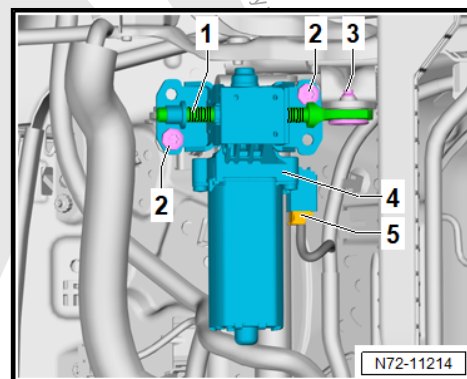
Removal and installation are described for left side of vehicle as an example.



## Removing

- Remove front seat ⇒ Rep. gr. 72 ; Removing and installing front seat .

- Disconnect electrical connector -5-.
- Unscrew bolts -3- and -2-.
- Remove seat rake adjustment motor -4-.



## Installing

Install in reverse order of removal, observing the following:



## Tightening torques

- ◆ ⇒ Rep. gr. 72 ; Assembly overview – seat rake adjustment

## 2.14 Removing and installing seat height adjuster

### 2.14.1 Removing and installing seat height adjustment unit, manually adjustable

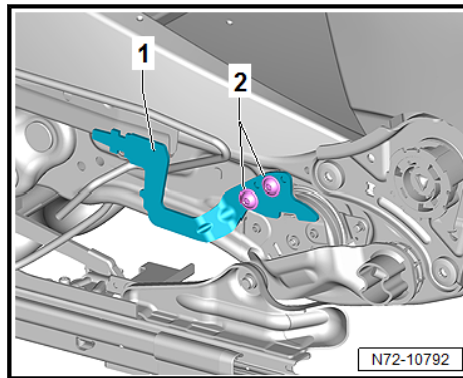
Removal and installation are described for the left side of vehicle as an example.

## Removing

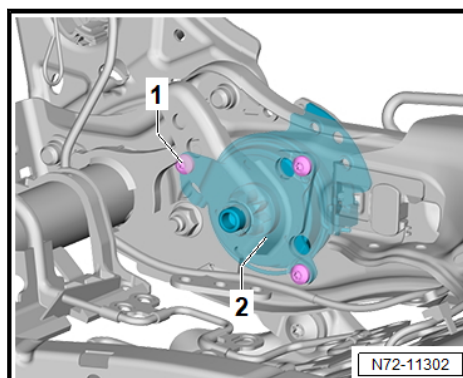
- Remove seat pan cover and padding ⇒ Rep. gr. 74 ; Removing and installing seat pan cover and padding .



- Unscrew bolts -2-.
- Remove lever -1-.



- Unscrew bolts -1-.
- Pull out lock washer.
- Remove seat height adjustment unit -2-.



## Installing

Install in reverse order of removal, observing the following:

## Tightening torques

- ♦ ⇒ Rep. gr. 72 ; Assembly overview – seat height adjustment

## 2.14.2 Removing and installing seat height adjustment unit, electrically adjustable

Driver seat height adjustment motor - V245- and front passenger seat height adjustment motor - V246- are referred to hereafter as height adjustment motor.

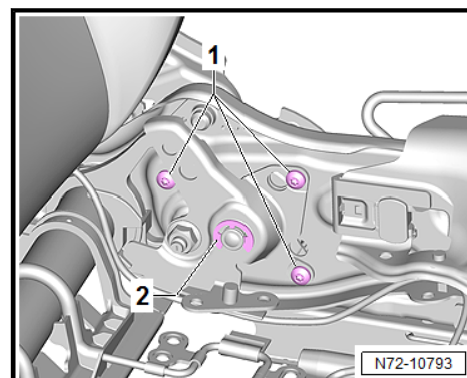
Removal and installation are described for the left-side of vehicle as an example.

## Removing

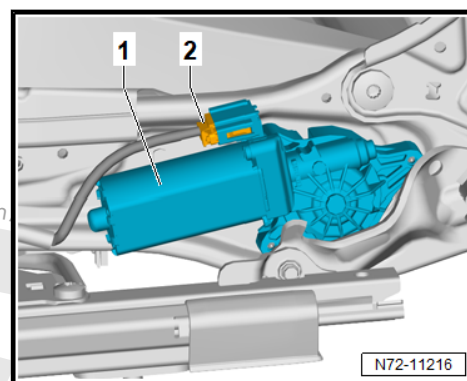
- Remove seat pan cover and padding ⇒ Rep. gr. 74 ; Removing and installing seat pan cover and padding .



- Take out the lock washer -2-.
- Unscrew bolts -1-.



- Disconnect electrical connector -2-.
- Remove seat height adjustment motor -1-.



## Installing

Install in reverse order of removal, observing the following:

## Tightening torques

- ◆ ⇒ Rep. gr. 72 ; Assembly overview - front seat, electric adjustment

## 2.15 Removing and installing front backrest

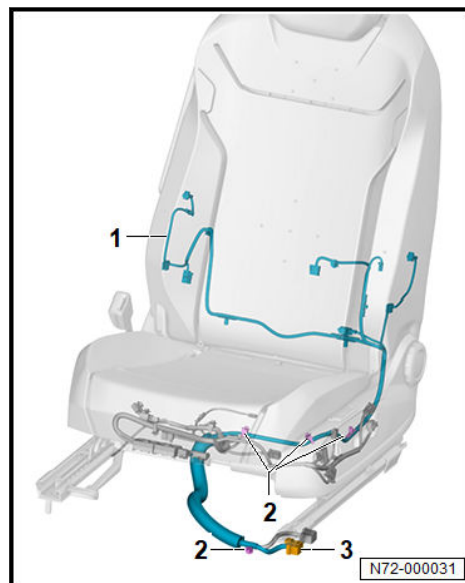
### Removing

- Remove front seat ⇒ Rep. gr. 72 ; Removing and installing front seat .
- Remove inner seat trim ⇒ Rep. gr. 72 ; Removing and installing inner seat trim .
- Remove outer seat trim ⇒ Rep. gr. 72 ; Removing and installing outer seat trim .





- Disconnect electrical connector -3-.
- Unclip retaining clips -2- of electrical wire -1- on seat pan.
- Guide electrical wire -1- leading to side airbag on outer side out of braided sleeving.

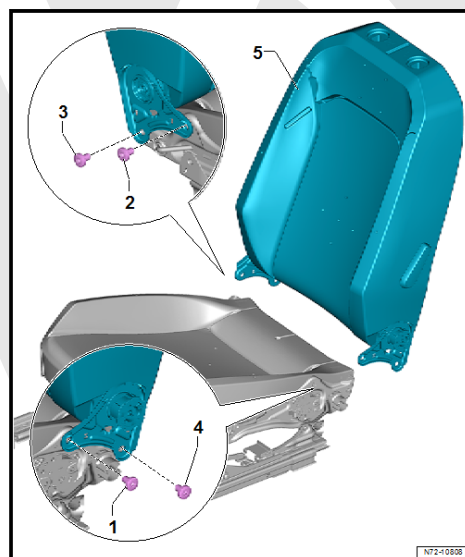


#### Driver seat

- Guide electrical wire leading to side airbag on inner side out of braided sleeving.

#### All vehicles (continued)

- Remove bolts -1-, -2-, -3- and -4-.
- Tilt front backrest -5- forwards.



- Push seat pan padding to one side.
- Pull electrical wire for side airbag on outer side out of seat pan.



### Driver seat

- Pull electrical wire for side airbag on inner side out of seat pan.

### All vehicles (continued)

- Remove front backrest.

### Installing

Install in reverse order of removal, observing the following:

- Route electrical wire so that original wiring layout is restored.

### Tightening torques

- ◆ ⇒ Rep. gr. 72 ; Assembly overview – front backrest

## 2.16 Removing and installing head restraint

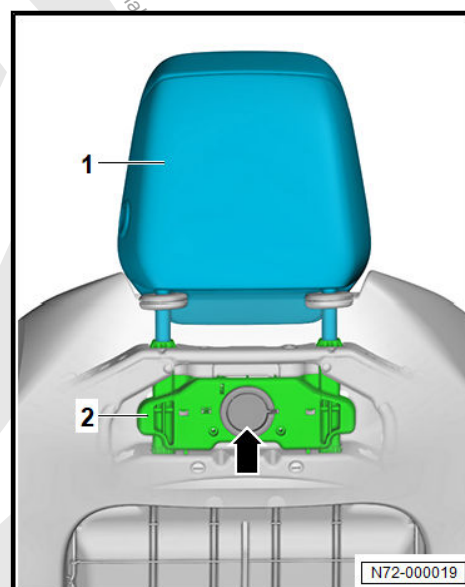
### Removing

- Move front seat to foremost and lowest position.
- Tilt backrest 45° towards rear.

### Note

The head restraint release button -arrow- is located 9 cm below the upper edge of the backrest on the head restraint guide -2-.

- Press head restraint release button -arrow-, and pull out head restraint -1-.





## Installing

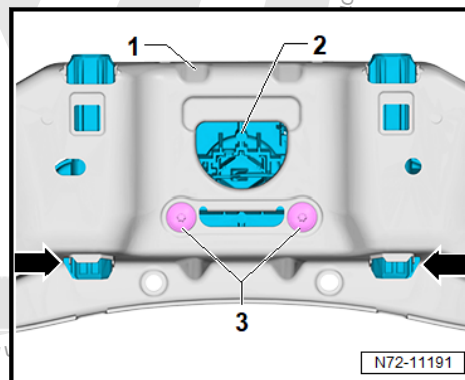
Install in reverse order of removal, observing the following:

- Push head restraint as far as possible downwards.

## 2.17 Removing and installing head restraint guide

### Removing

- ⇒ Rep. gr. 74 ; Separate backrest cover from backrest padding .
- Unscrew bolts -3-.
- Press in locking devices -arrows-. At the same time, push head restraint guide -2- upwards.
- Remove head restraint guide -2- from backrest frame -1-.



## Installing

Install in reverse order of removal, observing the following:

Important

- The lower locking devices must engage fully in backrest frame.

## Tightening torques

- ♦ ⇒ Rep. gr. 72 ; Assembly overview - head restraint

## 2.18 Removing and installing lumbar support adjustment switch [E176]/[E177]

### Removing

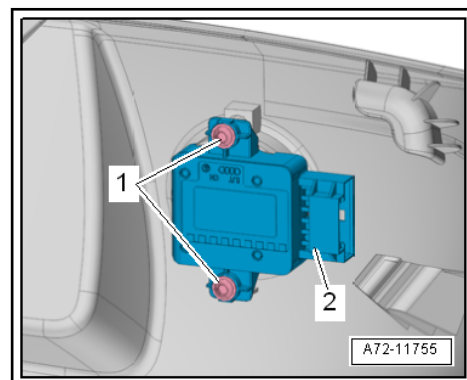
Driver seat lumbar support adjustment switch - E176- and front passenger seat lumbar support adjustment switch - E177- will henceforth be referred to as "lumbar support adjustment switch".



Removal and installation are described for the left side of vehicle as an example.

- Remove outer seat trim ⇒ Rep. gr. 72 ; Removing and installing outer seat trim .

- Unscrew bolts -1-.
- Disconnect electrical connector.
- Remove lumbar support adjustment switch -2-.



## Installing

Install in reverse order of removal, observing the following:

### Tightening torques

- ◆ ⇒ Rep. gr. 72 ; Assembly overview – seat pan

## 2.19 Removing and installing backrest adjuster

### Special tools and workshop equipment required

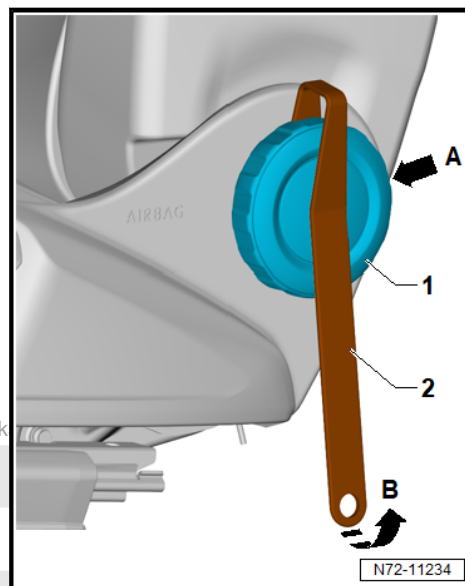
- ◆ assembly tool - 3399-

Removal and installation are described for the left-side of vehicle as an example.



## Removing

- Turn backrest adjuster -1- until detent -arrow A- is visible.
- Insert assembly tool - 3399- -2- and lever backrest adjuster -1- in direction of -arrow B-.
- Turn backrest adjuster -1- 120° further.
- Insert assembly tool - 3399- -2- and lever backrest adjuster -1- in direction of -arrow B-.
- Detach backrest adjuster -1-.



## Installing

Install in reverse order of removal, observing the following:

- Check whether backrest adjuster is firmly attached by pulling on it.

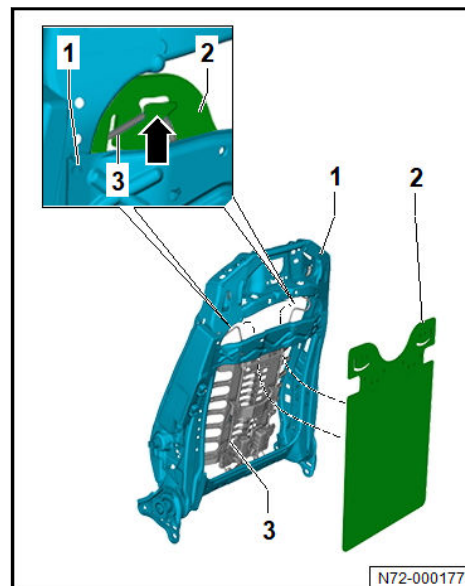
## 2.20 Removing and installing backrest cover panel

### Removing

- ⇒ Rep. gr. 74 ; Separate backrest cover from backrest padding .



- Guide backrest cover panel -2- in area of -arrow- on both sides out of lumbar support -3-, and swivel it through backrest frame -1-.



## Installing

Install in reverse order of removal.

### 2.21 Removing and installing lumbar support adjustment motor V125/V126/V129/V130

#### Special tools and workshop equipment required

- ◆ Drill, commercially available
- ◆ Suitable drill drill bit, commercially available
- ◆ special pop rivet pliers - V.A.G 1753B-

The driver seat lumbar support longitudinal adjustment motor - V125- , front passenger seat lumbar support longitudinal adjustment motor - V126- , driver seat lumbar support longitudinal adjustment motor - V129- and front passenger seat lumbar support height adjustment motor - V130- will henceforth be referred to as lumbar support.

Removal and installation are described for left side of vehicle as an example.

## Removing

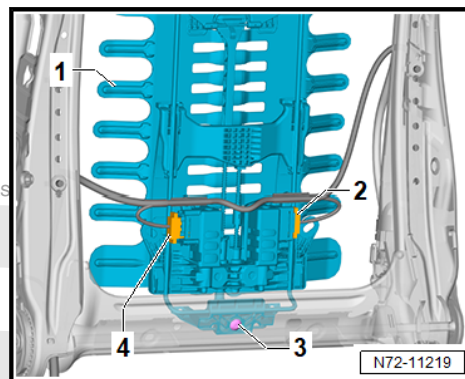
- ⇒ Rep. gr. 74 ; Separate backrest cover from backrest padding .



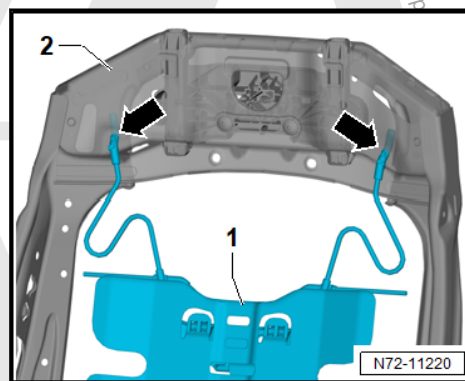
### ⚠ CAUTION

Risk of injury caused by flying metal shavings.  
Eyes and skin can suffer irritation or injuries.

- Put on safety goggles.
  - Put on protective gloves.
- 
- Drill out pop rivets -3- at front and rear using a commercially available power drill.
  - Separate electrical connectors -2- and -4-.



- Swing lumbar support -1- at bottom towards front.
- Unhook lumbar support -1- in area of -arrows- from backrest frame -2-, and remove it.



### Installing

Install in reverse order of removal, observing the following:

- Insert new pop rivets ⇒ Electronic parts catalogue (ETKA) using special pop rivet pliers - V.A.G 1753B- .

## 2.22 Removing and installing seat depth adjuster

Removal and installation are described for left side of vehicle as an example.

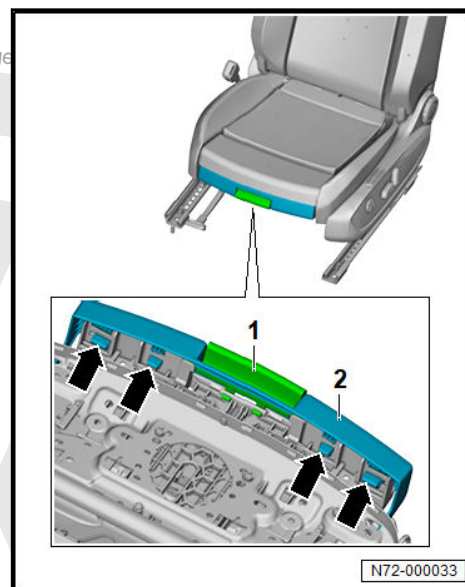




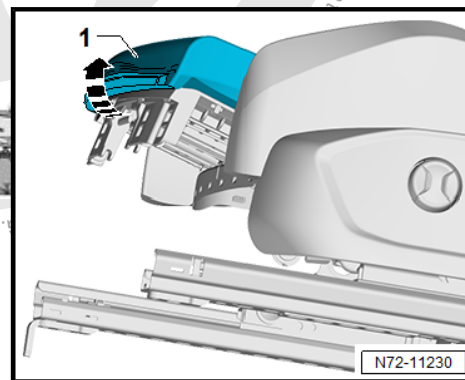
## Removing

- Remove driver seat adjustment control unit - J810- ➔ Rep. gr. 72 ; Removing and installing seat adjustment control unit .
- Unclip bracket for seat adjustment control unit.
- Move seat depth adjuster to foremost position.

- Release fasteners -arrows- using commercially available plastic wedge.
- Remove trim -2-.
- Unclip seat depth adjuster handle -1-.

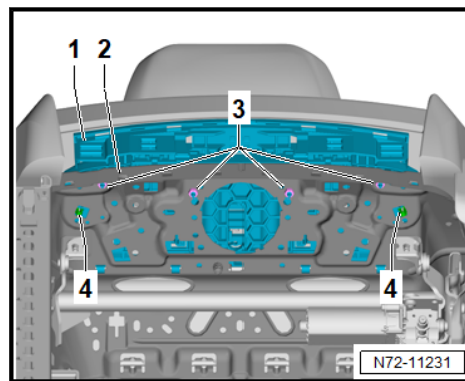


- Detach cover -1- from front profile in direction of -arrow-.

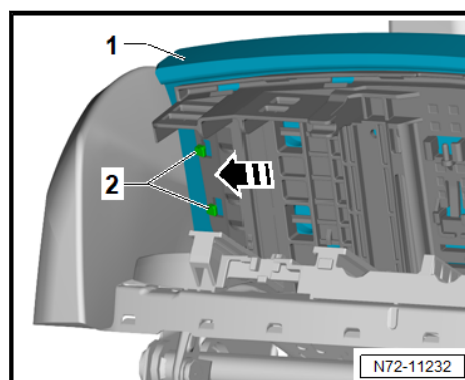




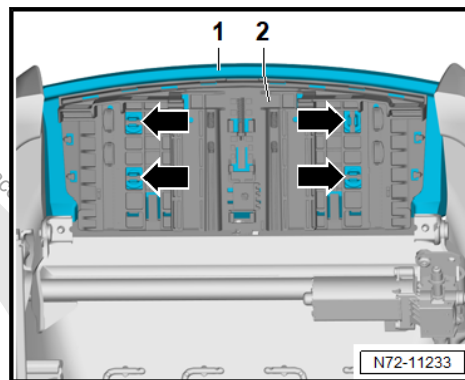
- Unscrew nuts -3-.
- Release fasteners -4-.



- Fold seat depth adjuster -1- upwards.
- Disconnect electrical wire of seat heating element.
- Release seat pan cover from side fasteners -2- in direction of -arrow-.



- Detach fasteners -arrows- using commercially available plastic wedge.
- Unclip padding -1- from seat depth adjuster -2-.
- Remove seat depth adjustment unit -2-.



## Installing

Install in reverse order of removal, observing the following:

## Tightening torques

- ◆ ➔ Rep. gr. 72 ; Assembly overview - seat depth adjuster



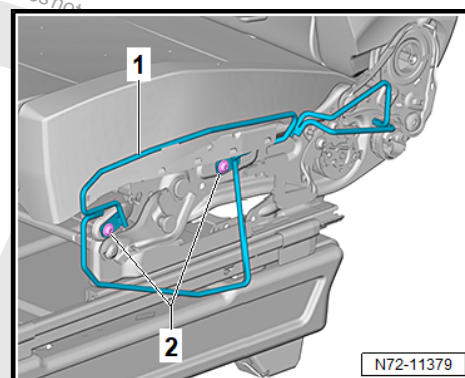
## 2.23 Removing and installing seat trim bracket

Removal and installation are described for the left side of vehicle as an example.

### Removing

- Remove outer seat trim ⇒ Rep. gr. 72 ; Removing and installing outer seat trim .

- Unscrew bolts -2-, and remove seat trim bracket -1-.



### Installing

Install in reverse order of removal, observing the following:

### Tightening torques

- ◆ ⇒ Rep. gr. 72 ; Assembly overview – seat pan

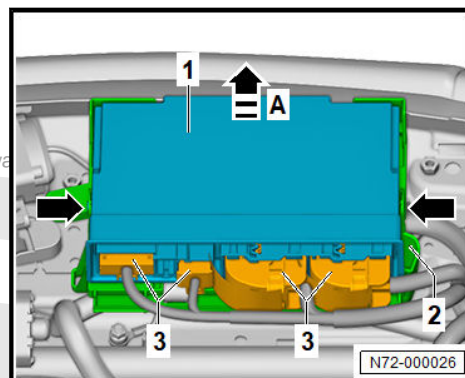
## 2.24 Removing and installing seat adjustment control unit

The driver seat adjustment control unit - J810- will henceforth be referred to as "control unit".



## Removing

- Unclip wiring harness from retainer -2-.
- Disconnect electrical connectors -3-.
- Unclip control unit -1- from fastener -arrows-.
- Remove control unit -1- in direction of -arrow A-.



## Installing

Install in reverse order of removal.

## 2.25 Removing and installing seat adjustment operating unit [E470]/[E471]

### Special tools and workshop equipment required

- ♦ release tool - T10236-

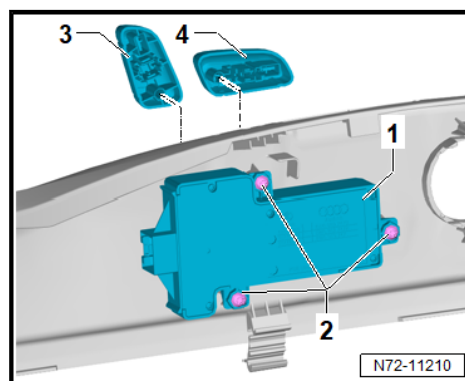
Driver seat adjustment operating unit - E470- and front passenger seat adjustment operating unit - E471- will henceforth be referred to as "operating unit".

Removal and installation are described for the left side of vehicle as an example.

## Removing

- Remove outer seat trim ⇒ Rep. gr. 72 ; Removing and installing outer seat trim .

- Lever off buttons -3- and -4- using release tool - T10236- .
- Unscrew bolts -2-.
- Detach operating unit -1-.





## Installing

Install in reverse order of removal, observing the following:

## Tightening torques

◆ ⇒ Rep. gr. 72 ; Assembly overview – seat pan

## 2.26 Removing and installing operating unit for memory settings [E464]/[E465]

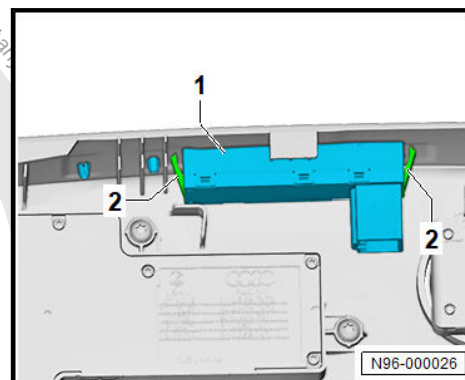
The driver operating unit for memory settings - E464- and front passenger operating unit for memory settings - E465- will henceforth be referred to as “operating unit for memory settings”.

Removal and installation are described for the driver side as an example.

## Removing

- Remove outer seat trim ⇒ Rep. gr. 72 ; Removing and installing outer seat trim .

- Release locking devices -2-. At the same time, remove operating unit for memory settings -1-.



## Installing

Install in reverse order of removal.

## 2.27 Removing and installing seat trim

Removal and installation are described for left side of vehicle as an example.

## Removing

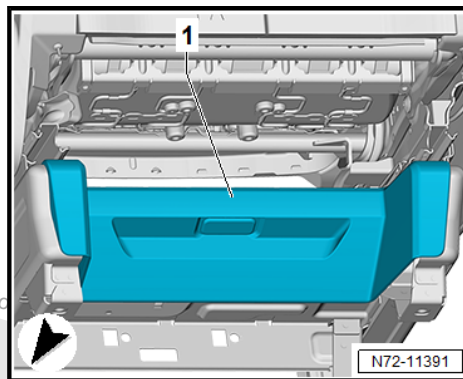


### Vehicles with rear left footwell light - W45-

- Remove rear left footwell light - W45- ⇒ Electrical system;  
Rep. gr. 96 ; Lights; Removing and installing rear footwell  
light [W45]/[W46] .

### All vehicles (continued)

- Lever off seat trim -1- using commercially available plastic  
wedge, and remove it.



### Installing

Install in reverse order of removal.

## 2.28 Removing and installing inner seat trim

Removal and installation are described for the left side of vehicle as an example.

### Removing

### Vehicles with backrest adjuster

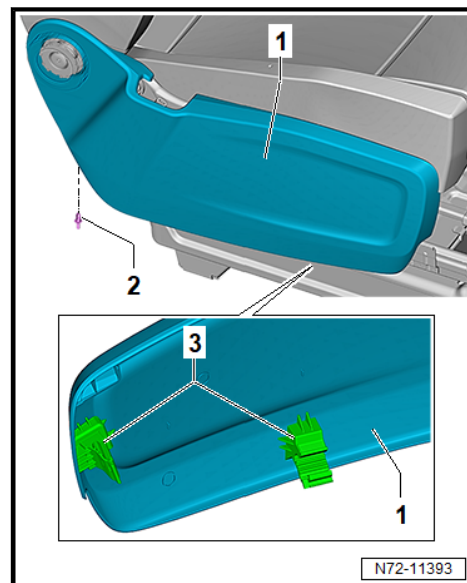
- Remove backrest adjuster ⇒ Rep. gr. 72 ; Removing and  
installing backrest adjuster .

### All vehicles (continued)

- Move front seat to highest position.



- Press locking pin in spreader rivet -2- inwards.
- Lever off spreader rivet -2- using commercially available plastic wedge.
- Release retainers -3-.
- Detach inner seat trim -1-.



## Installing

Install in reverse order of removal.

## 2.29 Removing and installing outer seat trim

Removal and installation are described for the left side of vehicle as an example.

## Removing

### Manually adjustable front seat

- Remove height adjustment handle ⇒ Rep. gr. 72 ; Removing and installing height adjustment handle

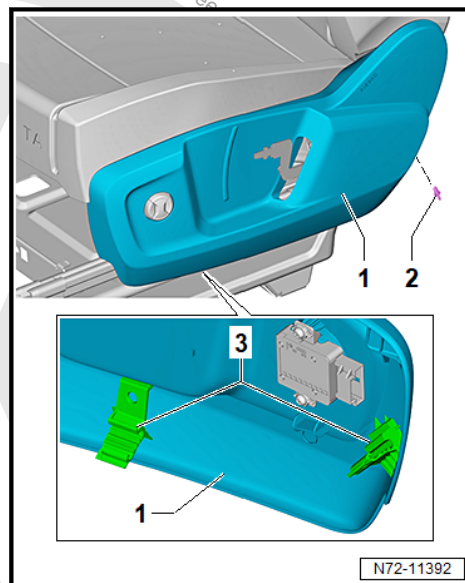
## All vehicles (continued)

- Move front seat to highest position.





- Press locking pin in spreader rivet -2- inwards.
- Lever off spreader rivet -2- using commercially available plastic wedge.
- Release retainers -3-.
- Remove outer seat trim -1-.



### Electrically adjustable front seat

- Disconnect electrical connectors.

### All vehicles (continued)

#### Installing

Install in reverse order of removal.

## 2.30 Removing and installing seat longitudinal adjustment motor [V28]/[V31]

Driver seat longitudinal adjustment motor - V28- and front passenger seat longitudinal adjustment motor - V31- will henceforth be referred to as "longitudinal adjustment motor".

Removal and installation are described for the left side of vehicle as an example.

#### Removing

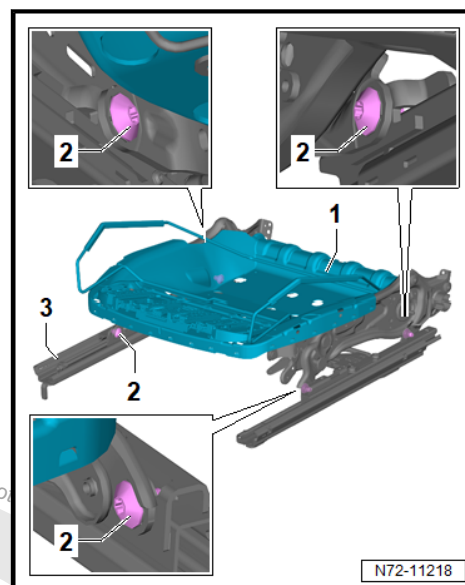
- Move front seat to highest position to reduce as much tension as possible on torsion rod.
- Remove front seat ⇒ Rep. gr. 72 ; Removing and installing front seat .
- Remove outer seat trim ⇒ Rep. gr. 72 ; Removing and installing outer seat trim .
- Remove front belt buckle ⇒ Rep. gr. 69 ; Removing and installing front belt buckle .



- Disconnect electrical connector of seat longitudinal adjustment motor.
- Unclip electrical wire from lower seat pan frame -3-, and lay it to one side.
- Unscrew bolts -2- while observing direction of rotation.

#### Important

- Bolts -2- have left-hand thread.
- Remove seat pan -1-.



#### Installing

Install in reverse order of removal, observing the following:

#### Tightening torques

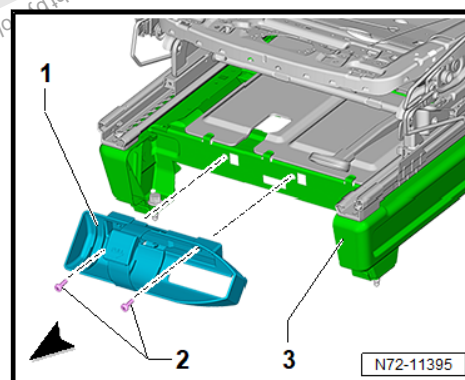
- ♦ ⇒ Rep. gr. 72 ; Assembly overview – seat pan

## 2.31 Removing and installing fire extinguisher holder

#### Removing

- Remove fire extinguisher.

- Unscrew bolts -2-.
- Detach fire extinguisher bracket -1- from seat pan -3-.



#### Installing

Install in reverse order of removal, observing the following:



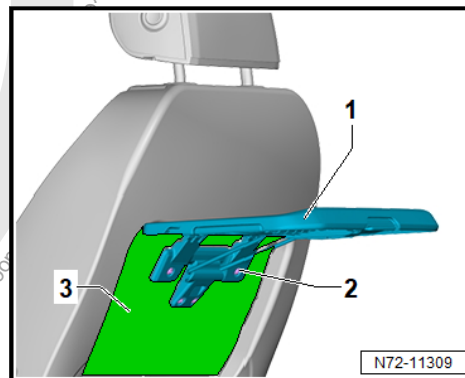
### Tightening torques

- ◆ ⇒ Rep. gr. 72 ; Assembly overview – fire extinguisher

## 2.32 Removing and installing folding table

### Removing

- Fold out folding table -1-.
- Unscrew bolts -2-.
- Remove folding table -1- from backrest -3-.



### Installing

Install in reverse order of removal, observing the following:

### Tightening torques

- ◆ ⇒ Rep. gr. 72 ; Assembly overview – folding table

## 2.33 Assembly overview – seat rake adjustment

Overview shown for left side of vehicle as an example.



**1 - Driver seat rake adjustment motor - V243- / front passenger seat rake adjustment motor - V244-**

- ☐ ⇒ Rep. gr. 72 ; Removing and installing seat rake adjustment unit

**2 - Bracket**

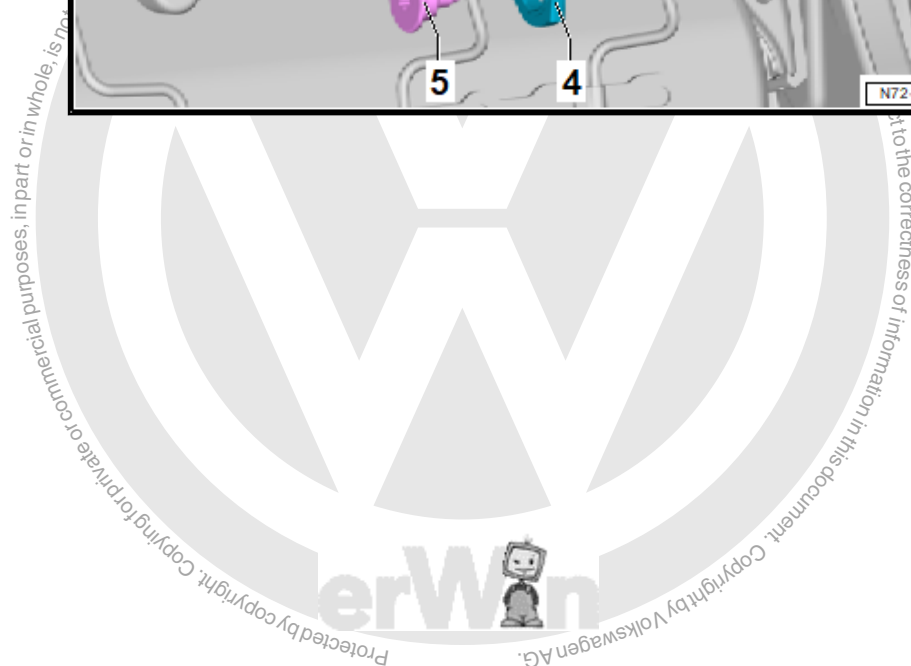
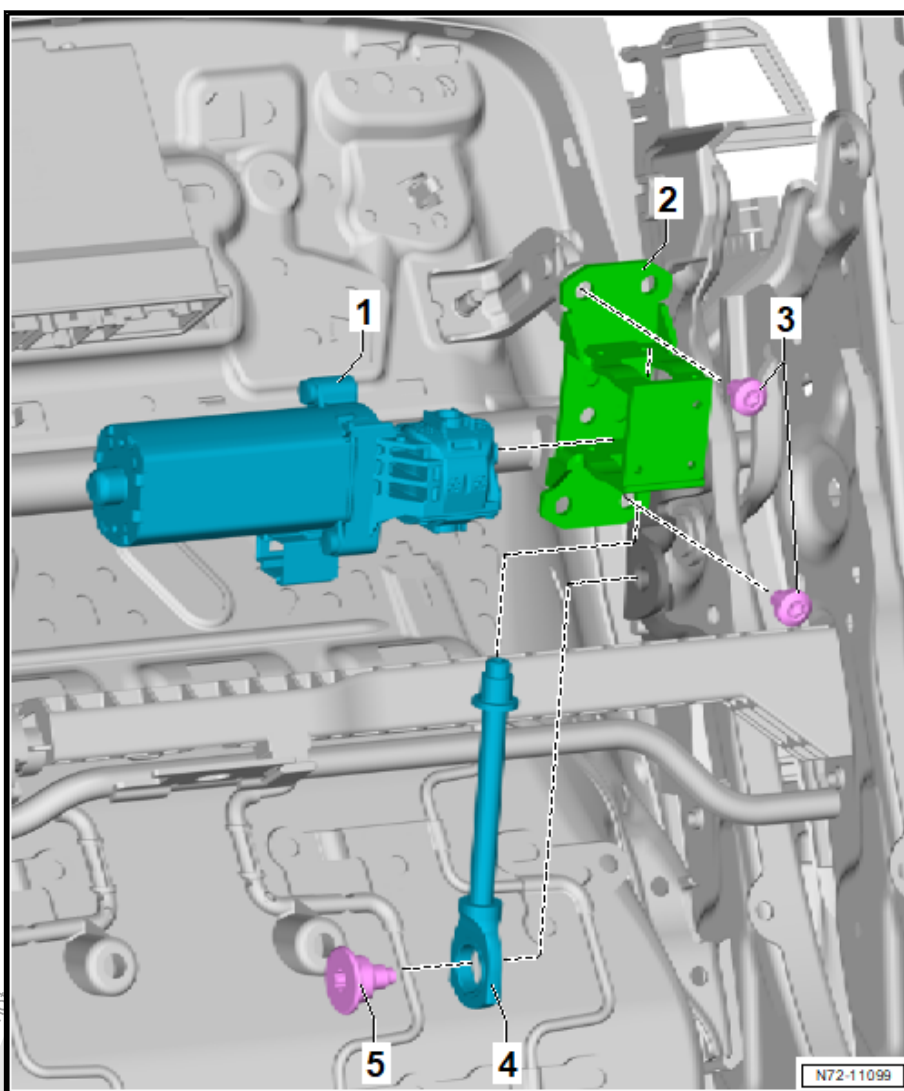
**3 - Bolt**

- ☐ Qty. 2
- ☐ Renew after removing
- ☐ 10 Nm

**4 - Adjustment spindle**

**5 - Bolt**

- ☐ Renew after removing
- ☐ 20 Nm





### 3 Rear seats

#### 3.1 Assembly overview – individual seats

##### 3.1.1 Assembly overview – individual seats, without integrated three-point seat belt

The overview is shown for one seat as an example.





### 1 - Seat frame

- ☐ ⇒ Rep. gr. 72 ; Removing and installing individual seats

### 2 - Head restraint guide

- ☐ Qty. 2
- ☐ Renew after removing
- ☐ ⇒ Rep. gr. 72 ; Removing and installing head restraint guide

### 3 - Head restraint

- ☐ ⇒ Rep. gr. 72 ; Removing and installing head restraint

### 4 - Drawer bracket

- ☐ ⇒ Rep. gr. 72 ; Removing and installing seat trim

### 5 - Rear trim

- ☐ ⇒ Rep. gr. 72 ; Removing and installing seat trim

### 6 - Drawer bracket

- ☐ ⇒ Rep. gr. 72 ; Removing and installing seat trim

### 7 - Drawer

- ☐ Depending on equipment/installation period

### 8 - Control unit for heated left seat, row 2 - J158-

- ☐ With control unit for heated right seat, row 2 - J780- / control unit for heated right seat, row 3 - J785- / control unit for heated left seat, row 3 - J783-
- ☐ Depending on equipment/installation period
- ☐ Attached to underside of seat frame

### 9 - Fitting trim

- ☐ ⇒ Rep. gr. 72 ; Removing and installing seat trim

### 10 - Button for left seat heating, seat row 2 - E964- / -E964- /

- ☐ With button for right seat heating, seat row 2 - E965- / button for left seat heating, seat row 3 - E966- / button for right seat heating, seat row 3 - E967-
- ☐ Depending on equipment/installation period

### 11 - Seat frame trim

- ☐ ⇒ Rep. gr. 72 ; Removing and installing seat trim

### 12 - Spreader rivet

- ☐ Qty. 2

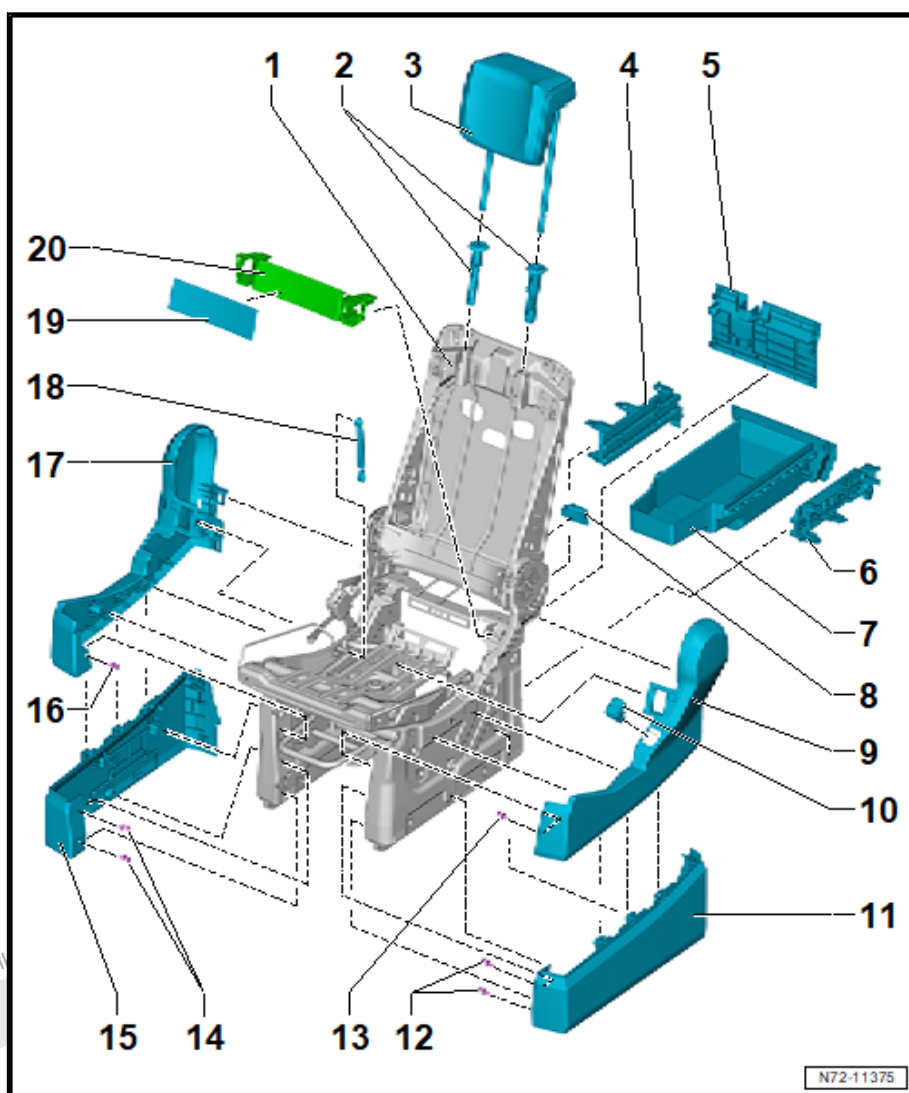
### 13 - Spreader rivet

### 14 - Spreader rivet

- ☐ Qty. 2

### 15 - Seat frame trim

- ☐ ⇒ Rep. gr. 72 ; Removing and installing seat trim





**16 - Spreader rivet**

**17 - Fitting trim**

- ☐ ⇒ Rep. gr. 72 ; Removing and installing seat trim

**18 - Damper**

- ☐ Depending on equipment/installation period

**19 - Seat cover**

- ☐ For ISOFIX guide
- ☐ Depending on equipment/installation period

**20 - ISOFIX guide**

- ☐ ⇒ Rep. gr. 72 ; Removing and installing seat trim

### 3.1.2 Assembly overview – individual seats, with integrated three-point seat belt

The overview is shown for one seat as an example.





#### 1 - Seat frame

- ☐ ⇒ Rep. gr. 72 ; Removing and installing individual seats

#### 2 - Head restraint guide

- ☐ Qty. 2
- ☐ Renew after removing
- ☐ ⇒ Rep. gr. 72 ; Removing and installing head restraint guide

#### 3 - Head restraint

- ☐ ⇒ Rep. gr. 72 ; Removing and installing head restraint

#### 4 - Fitting trim

- ☐ ⇒ Rep. gr. 72 ; Removing and installing seat trim

#### 5 - Spreader rivet

#### 6 - Seat frame trim

- ☐ ⇒ Rep. gr. 72 ; Removing and installing seat trim

#### 7 - Spreader rivet

- ☐ Qty. 2

#### 8 - Storage compartment

- ☐ Depending on equipment/installation period

#### 9 - Spreader rivet

- ☐ Qty. 2

#### 10 - Seat frame trim

- ☐ ⇒ Rep. gr. 72 ; Removing and installing seat trim

#### 11 - Spreader rivet

#### 12 - Fitting trim

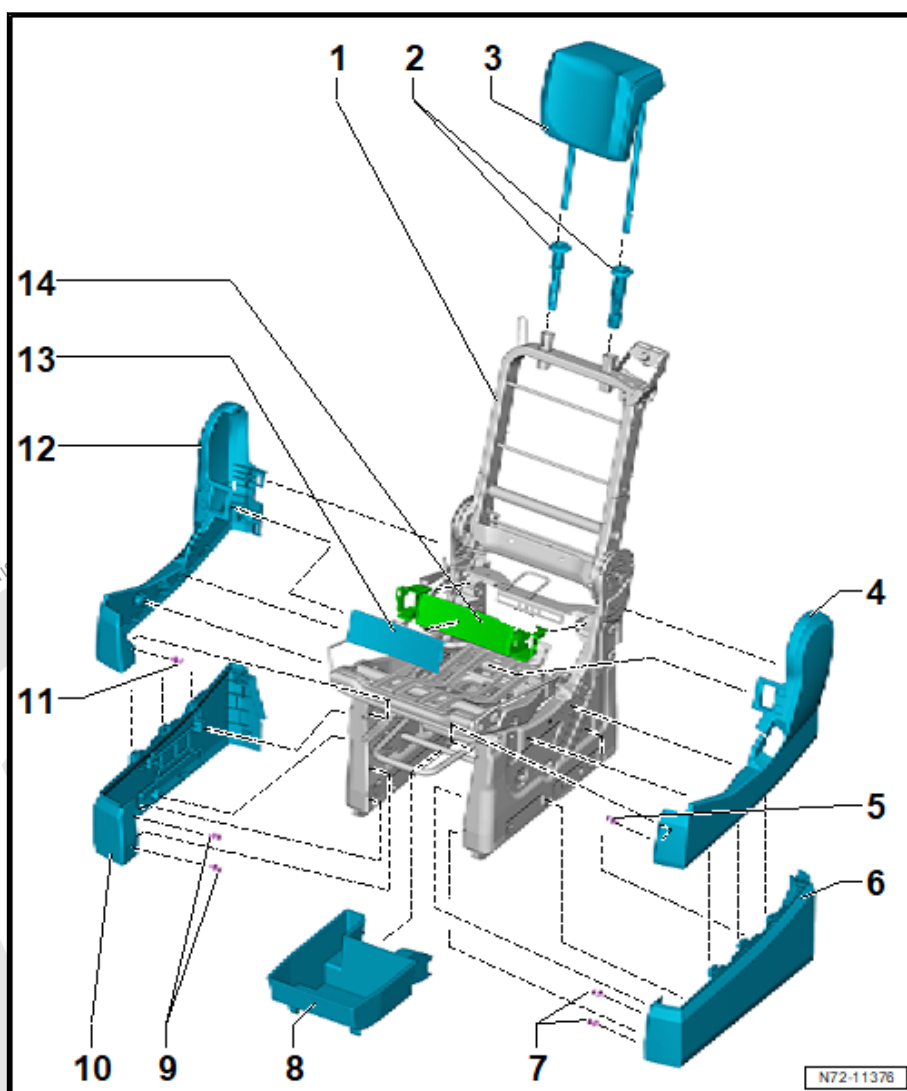
- ☐ ⇒ Rep. gr. 72 ; Removing and installing seat trim

#### 13 - Seat cover

- ☐ For ISOFIX guide
- ☐ Depending on equipment/installation period

#### 14 - ISOFIX guide

- ☐ ⇒ Rep. gr. 72 ; Removing and installing seat trim



## 3.2 Assembly overview - locking mechanism

The overview is shown for one seat as an example.



**1 - Locking mechanism for rear seat backrest**

- ❑ Renew only together with seat frame

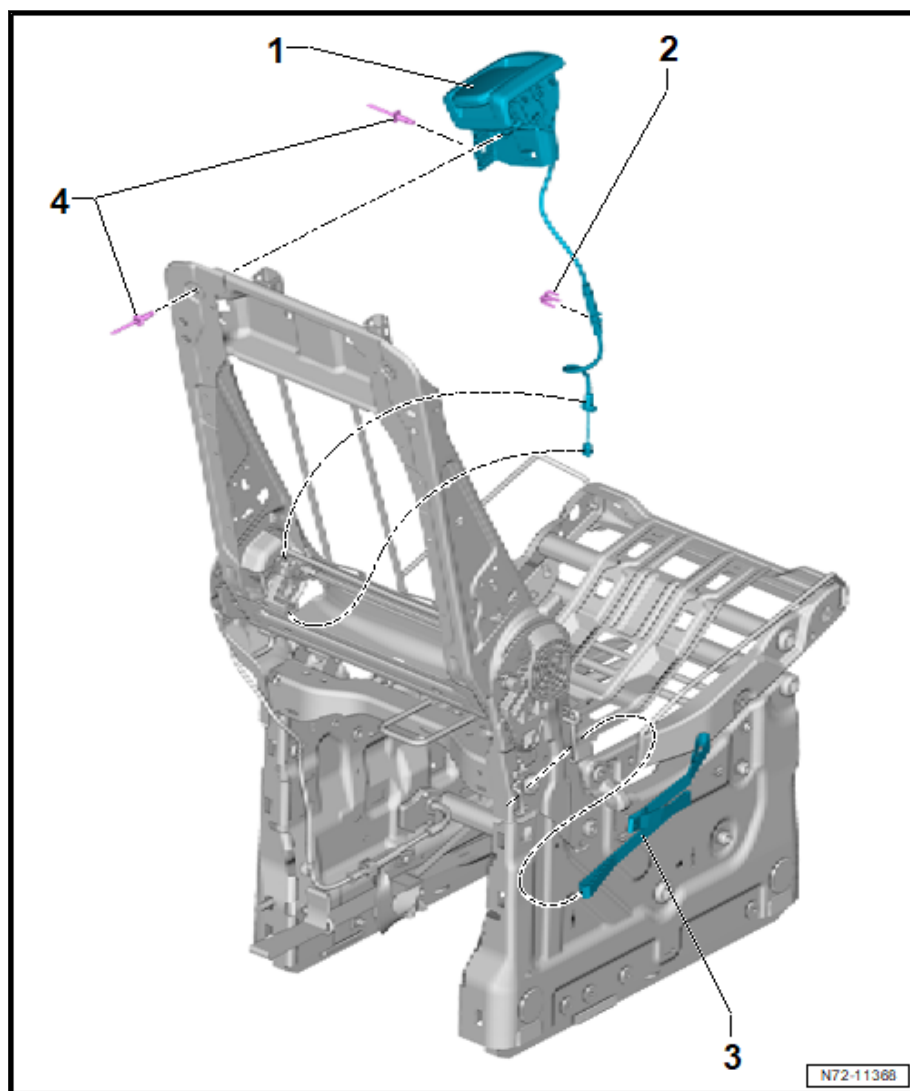
**2 - Adjuster element**

**3 - Loop**

- ❑ ⇒ Rep. gr. 72 ; Removing and installing locking mechanism for rear seat backrest

**4 - Pop rivet**

- ❑ Qty. 2



### 3.3 Assembly overview - head restraint and head restraint guide

The overview is shown for one seat as an example.



### 1 - Seat frame

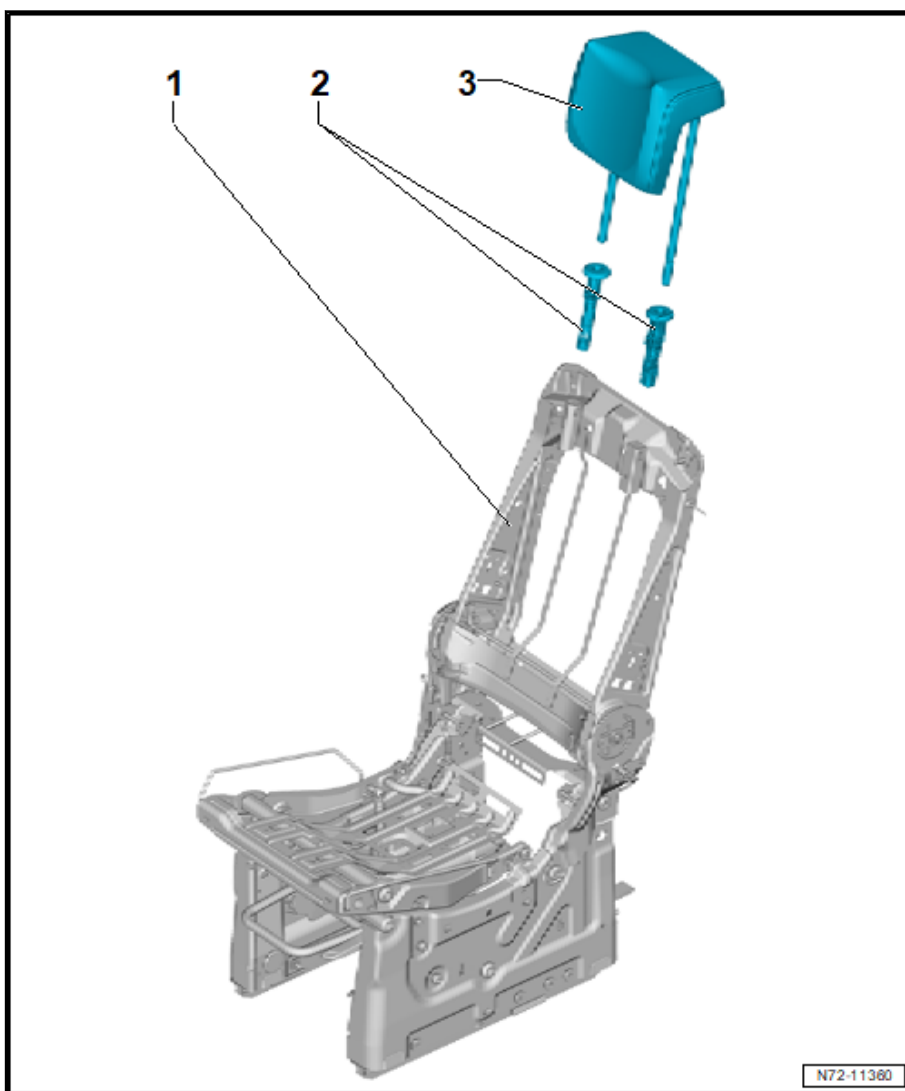
- ☐ ⇒ Rep. gr. 72 ; Assembly overview – individual seats
- ☐ ⇒ Rep. gr. 72 ; Removing and installing individual seats

### 2 - Head restraint guide

- ☐ Qty. 2
- ☐ Renew after removing
- ☐ ⇒ Rep. gr. 72 ; Removing and installing head restraint guide

### 3 - Head restraint

- ☐ ⇒ Rep. gr. 72 ; Removing and installing head restraint



## 3.4 Assembly overview – rear seat backrest

### 3.4.1 Assembly overview – rear seat backrest, without integrated three-point seat belt

The overview is shown for one seat as an example.



## 1 - Seat frame

- ☐ ⇒ Rep. gr. 72 ; Assembly overview – individual seats
- ☐ ⇒ Rep. gr. 72 ; Removing and installing individual seats

## 2 - Centre armrest

- ☐ Depending on equipment/installation period
- ☐ Qty. 2
- ☐ ⇒ Rep. gr. 72 ; Removing and installing centre armrest

## 3 - Trim collar

- ☐ Depending on equipment/installation period
- ☐ Qty. 2
- ☐ ⇒ Rep. gr. 72 ; Removing and installing centre armrest

## 4 - Pop rivet

- ☐ Qty. 4

## 5 - Adapter

- ☐ Depending on equipment/installation period
- ☐ Qty. 2
- ☐ ⇒ Rep. gr. 72 ; Removing and installing centre armrest

## 6 - Cross piece

- ☐ Depending on equipment/installation period
- ☐ ⇒ Rep. gr. 72 ; Removing and installing back panel trim

## 7 - Pop rivet

- ☐ Qty. 4

## 8 - Folding table

- ☐ Depending on equipment/installation period
- ☐ ⇒ Rep. gr. 72 ; Removing and installing back panel trim

## 9 - Bolt

- ☐ Qty. 4
- ☐ 2.5 Nm

## 10 - Rear section

- ☐ ⇒ Rep. gr. 72 ; Removing and installing back panel trim

## 11 - Pop rivet

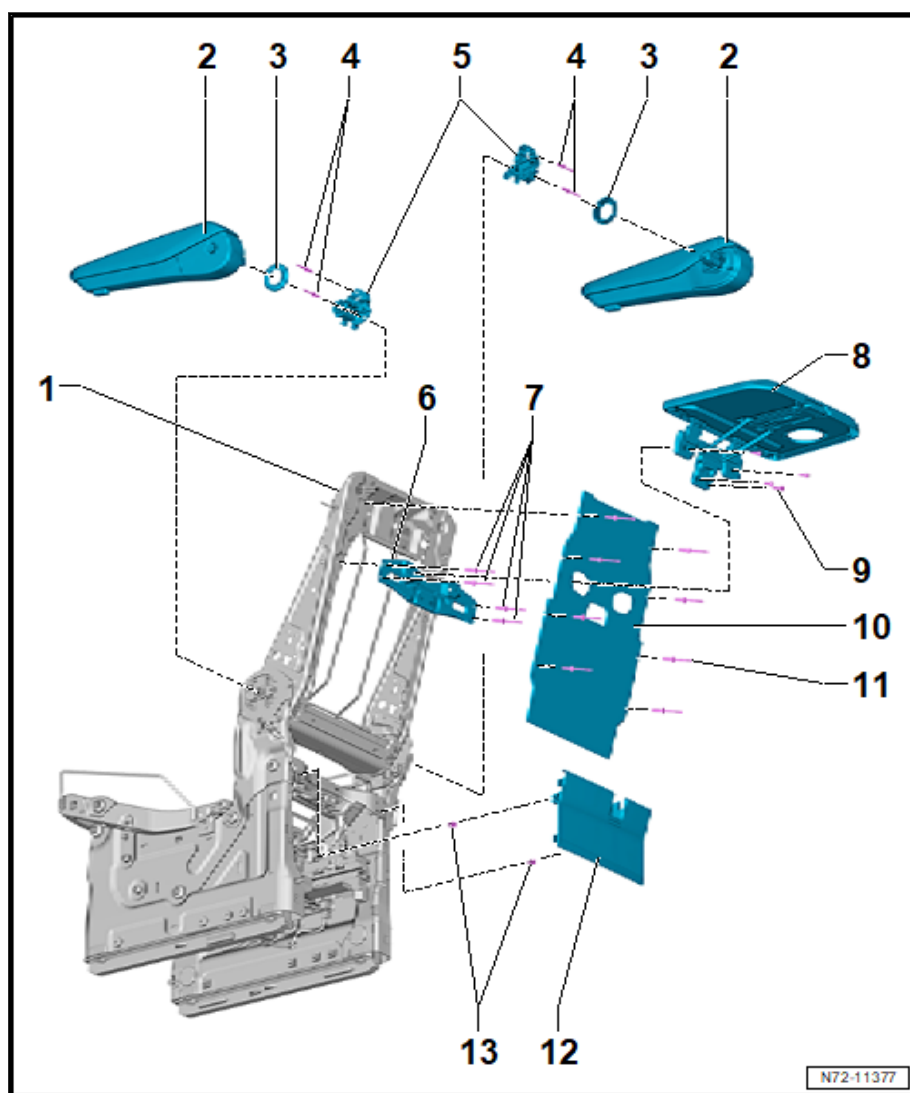
- ☐ Qty. 8

## 12 - Rear trim

- ☐ ⇒ Rep. gr. 72 ; Removing and installing seat trim

## 13 - Clip

- ☐ Qty. 2



### 3.4.2 Assembly overview – rear seat backrest, with integrated three-point seat belt

The overview is shown for one seat as an example.

#### 1 - Seat frame

- ☐ ⇒ Rep. gr. 72 ; Assembly overview – individual seats
- ☐ ⇒ Rep. gr. 72 ; Removing and installing individual seats

#### 2 - Cover for belt guide

- ☐ ⇒ Rep. gr. 72 ; Removing and installing seat trim

#### 3 - Adapter

- ☐ ⇒ Rep. gr. 72 ; Removing and installing back panel trim

#### 4 - Clip

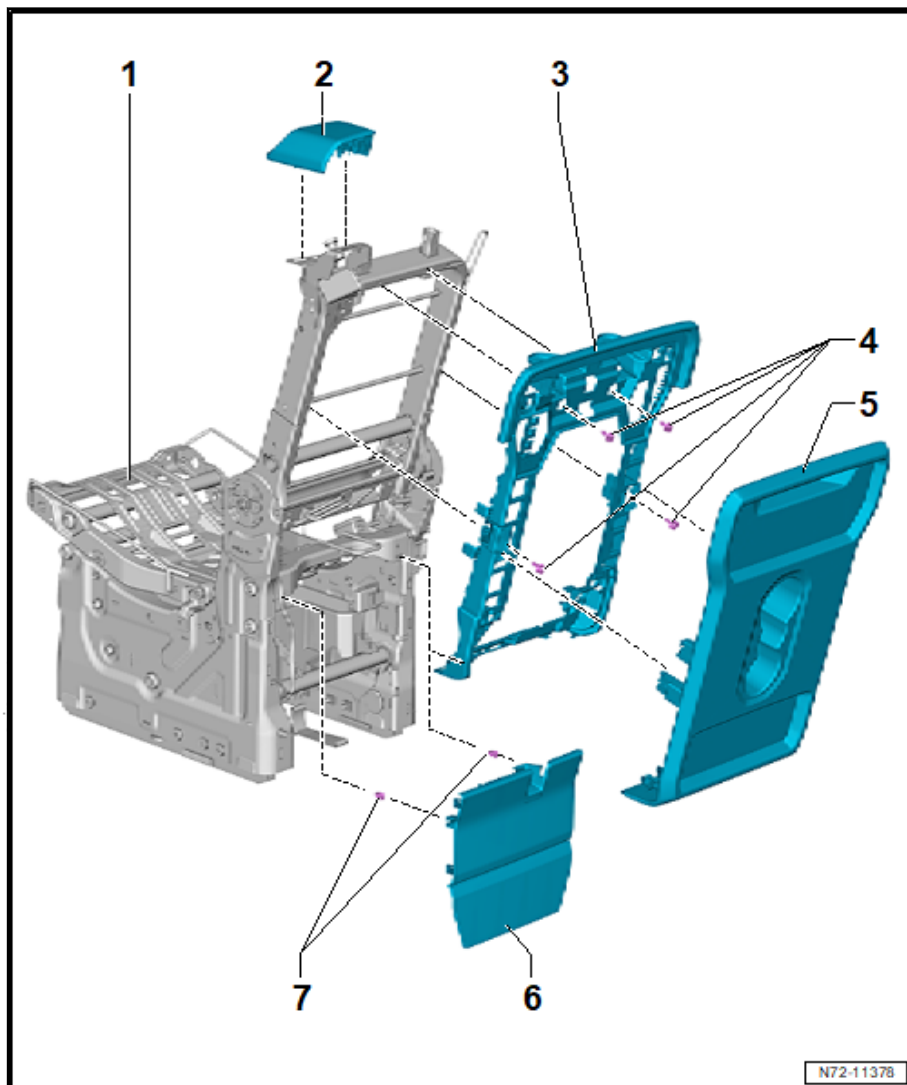
- ☐ Qty. 4

#### 5 - Back panel trim

- ☐ ⇒ Rep. gr. 72 ; Removing and installing back panel trim

#### 6 - Rear trim

- ☐ ⇒ Rep. gr. 72 ; Removing and installing seat trim



### 3.5 Assembly overview – seat rails

#### 3.5.1 Assembly overview – seat rails, without multifunction table



**1 - Cap**

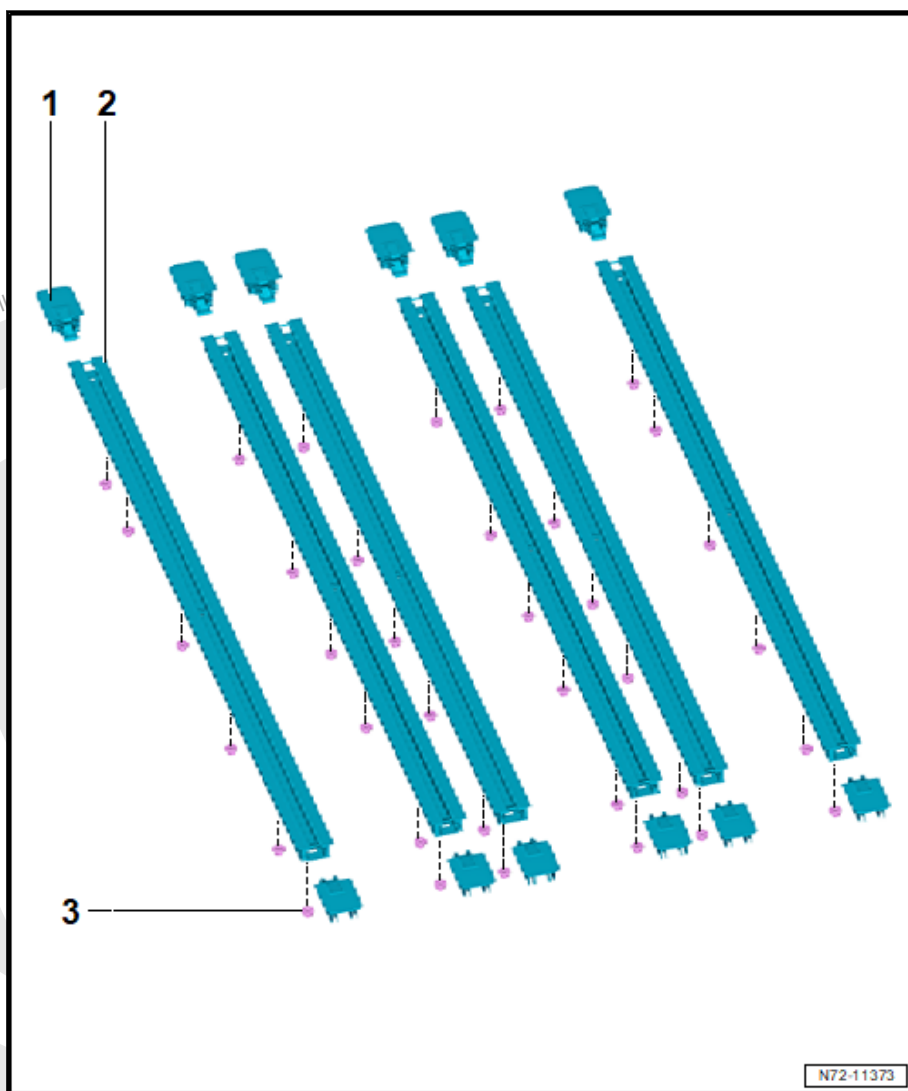
- ☐ Qty. 12

**2 - Seat rail**

- ☐ Depending on equipment/installation period
- ☐ Qty. 6
- ☐ ⇒ Rep. gr. 72 ; Removing and installing seat rails

**3 - Nut**

- ☐ Qty. 36
- ☐ 55 Nm



**3.5.2 Assembly overview – seat rails, with multifunction table**



### 1 - Cap

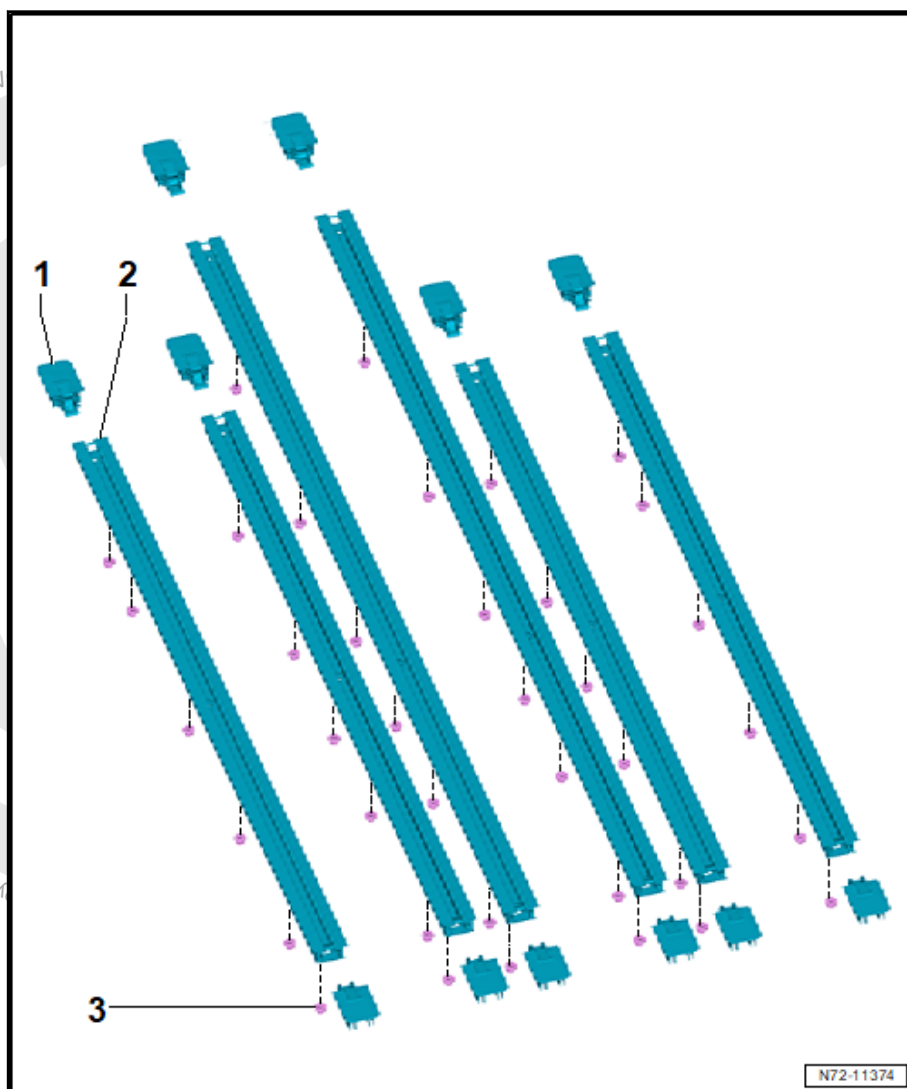
- ☐ Qty. 12

### 2 - Seat rail

- ☐ Depending on equipment/installation period
- ☐ Qty. 6
- ☐ ⇒ Rep. gr. 72 ; Removing and installing seat rails

### 3 - Nut

- ☐ Qty. 38
- ☐ 55 Nm



## 3.6 Removing and installing individual seats

### Removing

- Remove individual seat from vehicle ⇒ owner's manual .

### Installing

Install in reverse order of removal, observing the following:

### Installing or retrofitting a new seat

- Adapt control unit for wireless connection of seat occupied sensors ⇒ Vehicle diagnostic tester.



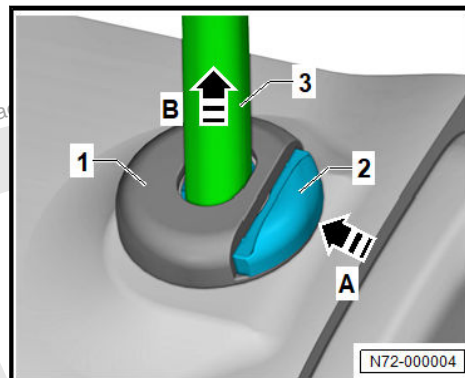


### 3.7 Removing and installing head restraint

Removal and installation is described for one head restraint as an example.

#### Removing

- Press release button -2- on head restraint guide -1- in direction of -arrow A-, and hold it there.
- Pull out head restraint -3- in direction of -arrow B-.



#### Installing

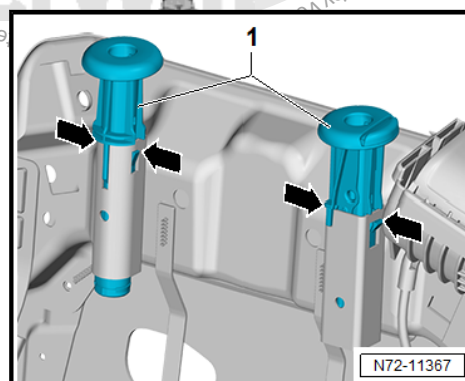
Install in reverse order of removal.

### 3.8 Removing and installing head restraint guide

#### Removing

- Remove cover and padding of rear seat backrest ⇒ Rep. gr. 74 ; Removing and installing cover and padding of rear seat backrest .

- Press fasteners -arrows-, and pull out head restraint guides -1-.



#### Installing

Install in reverse order of removal, observing the following:



- Insert new head restraint guides into recess.
- Note installation position of head restraint guides.

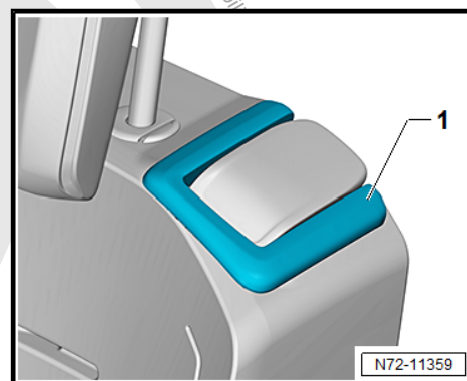
#### Important

- Head restraint guides must engage in recess.
- Pull head restraint guides to make sure they are seated correctly.

### 3.9 Removing and installing trim for locking mechanism

#### Removing

- Unclip trim for locking mechanism -1- using commercially available plastic wedge, and remove it.



#### Installing

Install in reverse order of removal.

### 3.10 Removing and installing locking mechanism for rear seat backrest, holder

Removal and installation are described for one individual seat as an example.

#### Removing

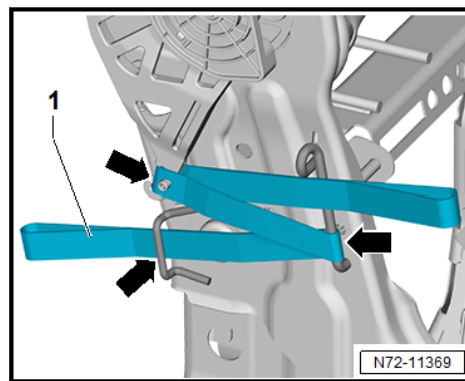
- Remove fitting trim ➔ Rep. gr. 72 ; Removing and installing seat trim .



- Remove strap -1- from retainers -arrows-.

#### Note

Position of strap may vary.



#### Installing

Install in reverse order of removal.

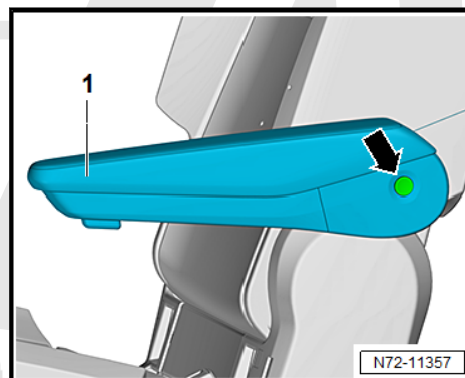
### 3.11 Removing and installing centre armrest

#### 3.11.1 Removing and installing centre armrest

Removal and installation are described for one centre armrest as an example.

#### Removing

- Operate locking button -arrows-, and remove centre armrest -1-.



#### Installing

Install in reverse order of removal, observing the following:

- Pull centre armrest to make sure it is seated correctly.

#### 3.11.2 Removing and installing centre armrest, trim collar

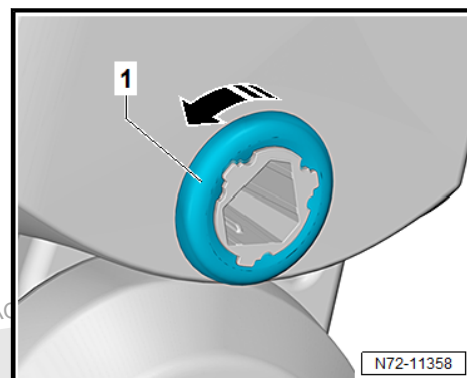
Removal and installation are described for one trim collar as an example.



## Removing

- Remove centre armrest ⇒ Rep. gr. 72 ; Removing and installing centre armrest .

- Turn trim collar -1- in direction of -arrow-, and remove it.



## Installing

Install in reverse order of removal.

### 3.11.3 Removing and installing centre armrest, adapter

#### Special tools and workshop equipment required

- ◆ Drill, commercially available
- ◆ Suitable drill drill bit, commercially available
- ◆ special pop rivet pliers - VAS 5072A-

Removal and installation are described for one adapter as an example.

## Removing

- Remove cover and padding of rear seat backrest ⇒ Rep. gr. 74 ; Removing and installing cover and padding of rear seat backrest .

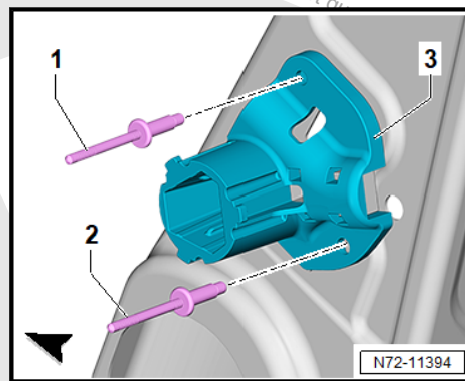
### CAUTION

Risk of injury caused by flying metal shavings.  
Eyes and skin can suffer irritation or injuries.

- Put on safety goggles.
- Put on protective gloves.



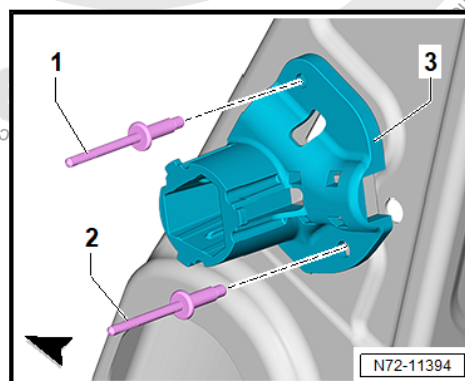
- Drill out pop rivets -1- and -2- using a commercially available power drill.
- Remove adapter -3-.



### Installing

Install in reverse order of removal, observing the following:

- Use special pop rivet pliers - VAS 5072A- to insert new pop rivets ⇒ Electronic parts catalogue (ETKA) in the sequence -1- and -2-.



## 3.12 Removing and installing back panel trim

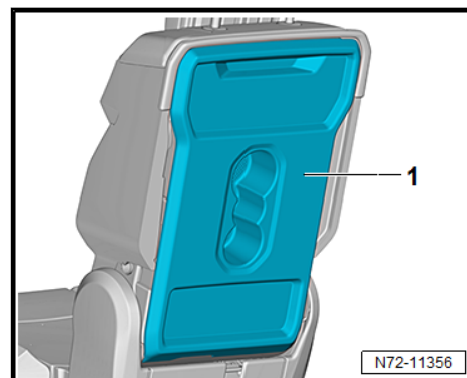
### 3.12.1 Removing and installing back panel trim

Removal and installation are described for one individual seat as an example.



### Removing

- Lever off back panel trim -1- using commercially available plastic wedge.
- Guide through seat belt, and remove back panel trim -1-.



### Installing

Install in reverse order of removal.

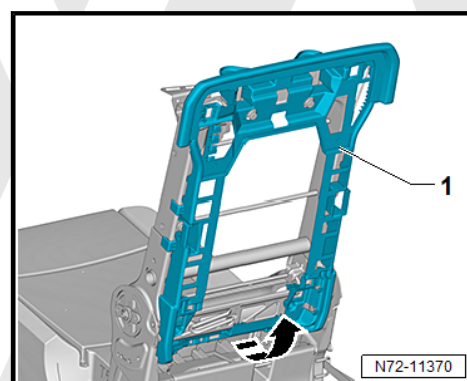
## 3.12.2 Removing and installing adapter for back panel trim

Removal and installation are described for one individual seat as an example.

### Removing

- Remove cover and padding of rear seat backrest ⇒ Rep. gr. 74 ; Removing and installing cover and padding of rear seat backrest .

- Pull off adapter for back panel trim -1- in direction of -arrow-.



### Installing

Install in reverse order of removal.

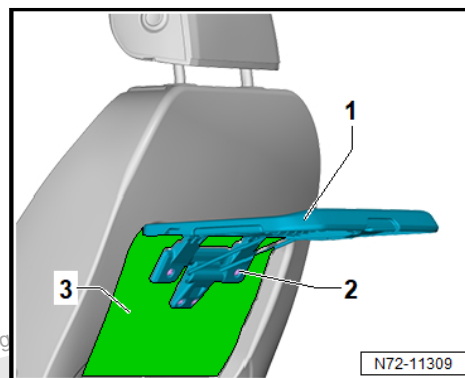
## 3.12.3 Removing and installing folding table

Removal and installation are described for one individual seat as an example.



## Removing

- Fold out folding table -1-.
- Unscrew bolts -2-, and remove folding table -1-.



## Installing

Install in reverse order of removal, observing the following:

## Tightening torques

- ♦ ⇒ Rep. gr. 72 ; Assembly overview - Rear seat backrest

### 3.12.4 Removing and installing cross piece for folding table

#### Special tools and workshop equipment required

- ♦ Drill, commercially available
- ♦ Suitable drill drill bit, commercially available
- ♦ pop rivet pliers - VAS 5072A-

Removal and installation are described for one cross piece as an example.

## Removing

- Remove back panel ⇒ Rep. gr. 72 ; Removing and installing back panel trim .

## CAUTION

**Risk of injury caused by flying metal shavings.**

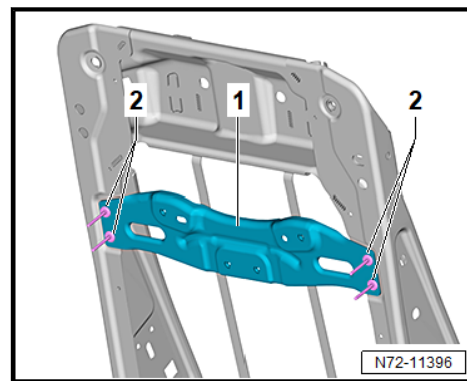
**Eyes and skin can suffer irritation or injuries.**

- Put on safety goggles.
- Put on protective gloves.





- Drill out pop rivets -2- using commercially available power drill.
- Remove cross piece for folding table -1-.



### Installing

Install in reverse order of removal, observing the following:

- Insert new pop rivets ⇒ Electronic parts catalogue (ETKA) using pop rivet pliers - VAS 5072A- starting from left side.

## 3.12.5 Removing and installing back panel

### Special tools and workshop equipment required

- ◆ Drill, commercially available
- ◆ Suitable drill drill bit, commercially available
- ◆ pop rivet pliers - VAS 5072A-

Removal and installation are described for one back panel as an example.

### Removing

- Remove cover and padding of rear seat backrest ⇒ Rep. gr. 74 ; Removing and installing cover and padding of rear seat backrest .

### ⚠ CAUTION

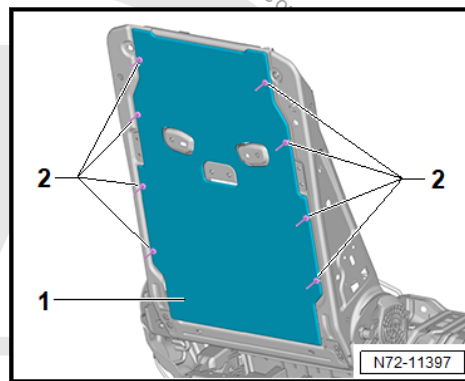
**Risk of injury caused by flying metal shavings.**  
**Eyes and skin can suffer irritation or injuries.**

- Put on safety goggles.
- Put on protective gloves.





- Drill out pop rivets -2- using commercially available power drill.
- Remove rear section -1-.



## Installing

Install in reverse order of removal, observing the following:

- Insert new pop rivets ⇒ Electronic parts catalogue (ETKA) using pop rivet pliers - VAS 5072A- starting at top.

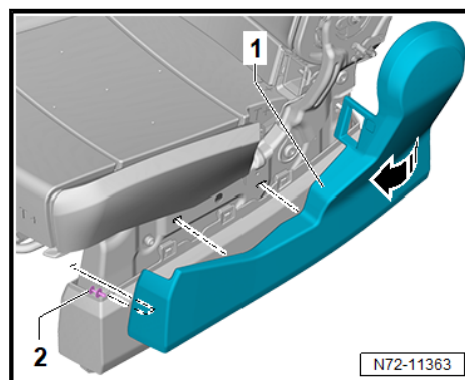
## 3.13 Removing and installing seat trim

### 3.13.1 Removing and installing fitting trim

#### Removing

- Remove rear trim ⇒ Rep. gr. 72 ; Removing and installing seat trim .

- Lever off spreader rivet -2- using commercially available plastic wedge.
- Remove fitting trim -1- in direction of -arrow-.



#### Vehicles with rear seat heating

- Disconnect electrical connector.



## All vehicles (continued)

### Installing

Install in reverse order of removal.

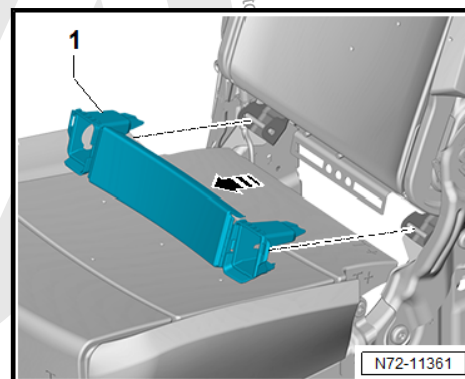
### 3.13.2 Removing and installing ISOFIX guide

Removal and installation are described for one ISOFIX guide as an example.

#### Removing

- Remove fitting trims ➔ Rep. gr. 72 ; Removing and installing seat trim .

- Pull off ISOFIX guide -1- in direction of -arrow-.



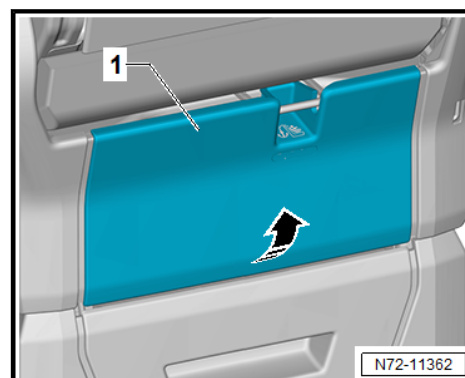
#### Installing

Install in reverse order of removal.

### 3.13.3 Removing and installing rear trim

#### Removing

- Pull off rear trim -1- in direction of -arrow-.
- Disconnect electrical connector.



#### Installing

Install in reverse order of removal.



### 3.13.4 Removing and installing belt guide cap

#### Special tools and workshop equipment required

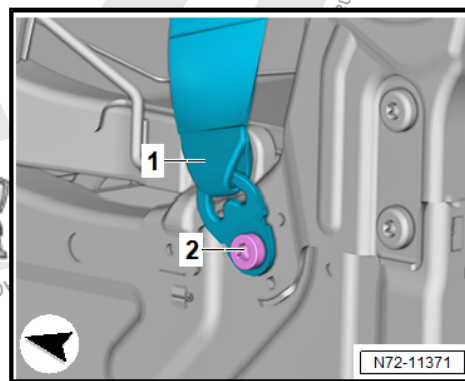
- ♦ removal wedge set - VAS 895 015-

#### Removing

- Remove fitting trim ⇒ Rep. gr. 72 ; Removing and installing seat trim .

- Unscrew bolt -2-.

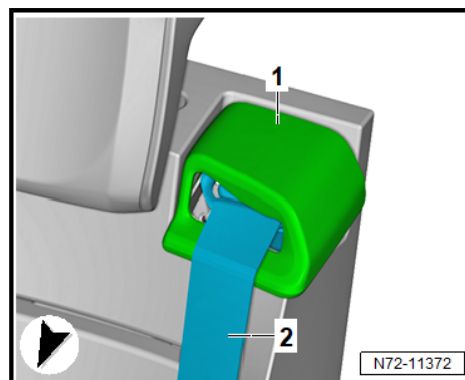
- Remove belt end fitting -1-.



- Lever off belt guide cap -1- using removal wedge from removal wedge set - VAS 895 015- .

- Guide belt -2- through belt guide cap -1-.

- Remove belt guide cap -1-.



#### Installing

Install in reverse order of removal, observing the following:

#### Tightening torques

- ♦ ⇒ Rep. gr. 69 ; Assembly overview – rear centre three-point seat belt

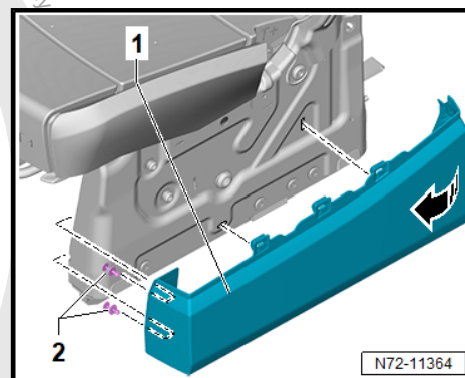


### 3.13.5 Removing and installing seat frame trim

#### Removing

- Remove fitting trim ⇒ Rep. gr. 72 ; Removing and installing seat trim .
- Pull out drawer.

- Lever off spreader rivets -2- using commercially available plastic wedge.
- Remove seat frame trim -1- in direction of -arrow-.



#### Installing

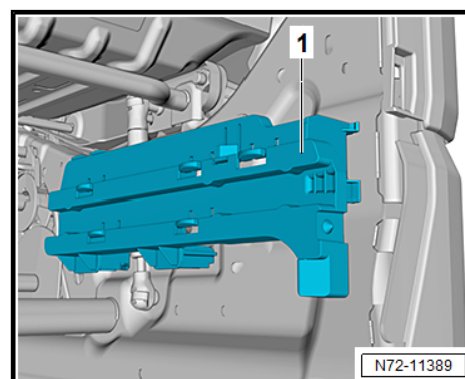
Install in reverse order of removal.

### 3.13.6 Removing and installing drawer bracket

#### Removing

- Remove individual seat ⇒ Rep. gr. 72 ; Removing and installing individual seats .
- Pull out drawer completely.

- Unclip drawer bracket -1- from seat frame, and remove it.





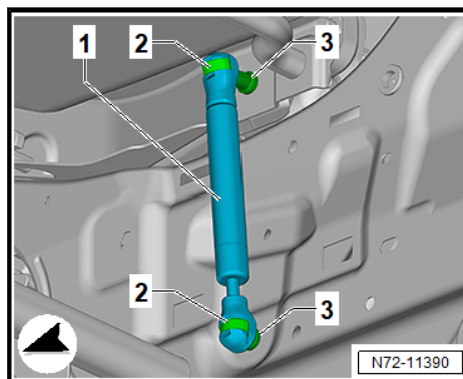
## Installing

Install in reverse order of removal.

### 3.13.7 Removing and installing damper

#### Removing

- Remove drawer bracket ⇒ Rep. gr. 72 ; Removing and installing seat trim .
- Lever off spring clip -2- until ball socket can be pulled off ball-head pin -3-.
- Remove damper -1-.



## Installing

Install in reverse order of removal.

### 3.14 Removing and installing seat rails

#### 3.14.1 Removing and installing left seat rails

#### Removing

- Remove individual seats ⇒ Rep. gr. 72 ; Removing and installing individual seats .

## Outside

### Vehicles without high-voltage battery

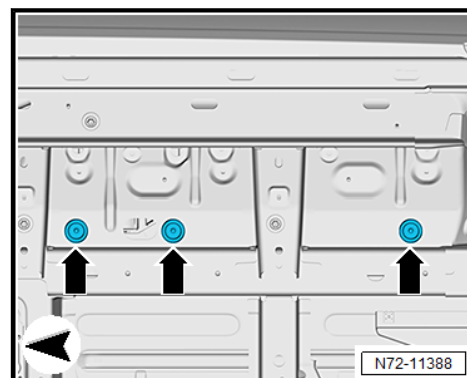
- Remove fuel tank ⇒ Fuel supply system; Rep. gr. 20 ; Fuel tank; Removing and installing fuel tank .

#### Continued Outside

- Remove centre underbody cladding ⇒ General body repairs, exterior; Rep. gr. 66 ; Underbody cladding; Removing and installing centre underbody cladding .



- Unclip plug -arrows-.



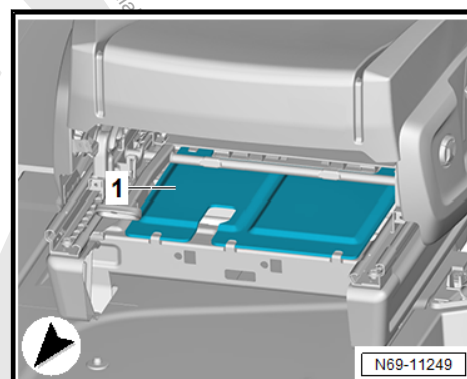
## All vehicles (continued)

### Inside

- Remove fuel tank ⇒ Fuel supply system; Rep. gr. 20 ; Fuel tank; Removing and installing fuel tank .
- Remove centre underbody cladding ⇒ General body repairs, exterior; Rep. gr. 66 ; Underbody cladding; Removing and installing centre underbody cladding .
- Remove rear underbody cladding ⇒ General body repairs, exterior; Rep. gr. 66 ; Underbody cladding; Removing and installing rear underbody cladding .

### Vehicles with electric seat rail

- Move front seat to rearmost and highest position.
- Remove trim -1- from seat frame.
- Disconnect connector for seat rails.
- Move aside electrical wire.

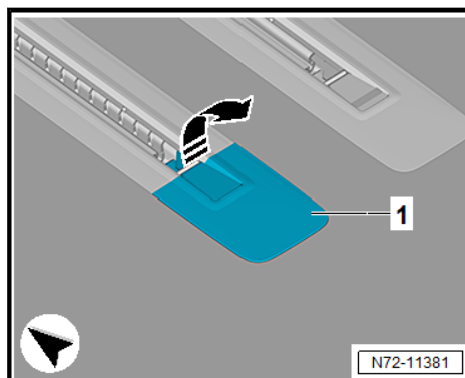




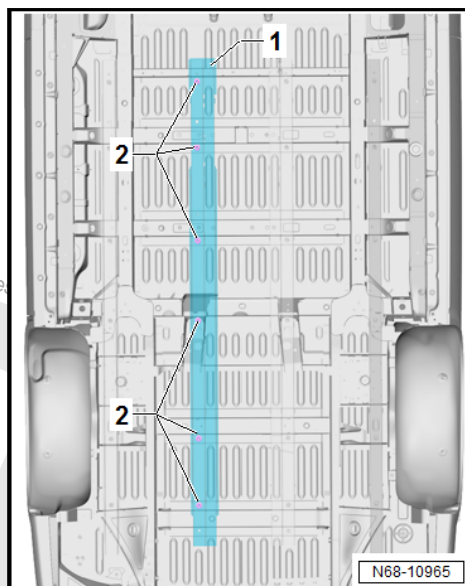


### All vehicles (continued)

- Unclip covers -1- at front and rear in direction of -arrow-.



- Unscrew nuts -2-.
- Remove seat rail -1-.



### Installing

Install in reverse order of removal, observing the following:

- Make sure that the seat rail is positioned flush in the guides.

### Tightening torques

- ♦ ⇒ Rep. gr. 72 ; Assembly overview – seat rails

### 3.14.2 Removing and installing right seat rails

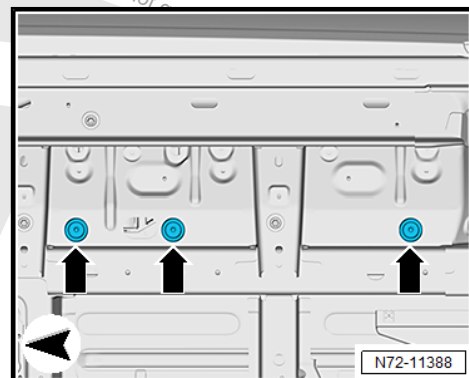
#### Removing

- Remove individual seats ⇒ Rep. gr. 72 ; Removing and installing individual seats .



## Outside

- Remove centre underbody cladding ⇒ General body repairs, exterior; Rep. gr. 66 ; Underbody cladding; Removing and installing centre underbody cladding .
- Unclip plug -arrows-.



## All vehicles (continued)

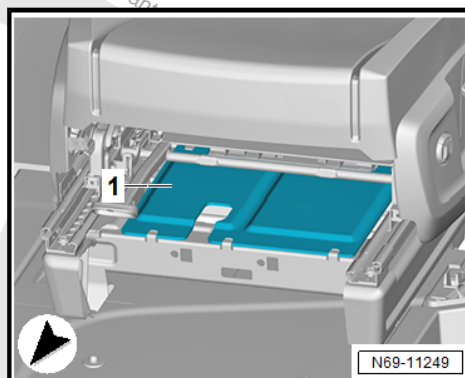
### Inside

- Remove centre underbody cladding ⇒ General body repairs, exterior; Rep. gr. 66 ; Underbody cladding; Removing and installing centre underbody cladding .
- Remove rear underbody cladding ⇒ General body repairs, exterior; Rep. gr. 66 ; Underbody cladding; Removing and installing rear underbody cladding .
- Remove centre and rear silencer ⇒ Rep. gr. 26 ; Exhaust pipes/silencers; Removing and installing silencer .
- Remove centre heat shield ⇒ General body repairs, exterior; Rep. gr. 66 ; Heat shields; Removing and installing centre heat shield .
- Remove rear heat shield ⇒ General body repairs, exterior; Rep. gr. 66 ; Heat shields; Removing and installing rear heat shield .



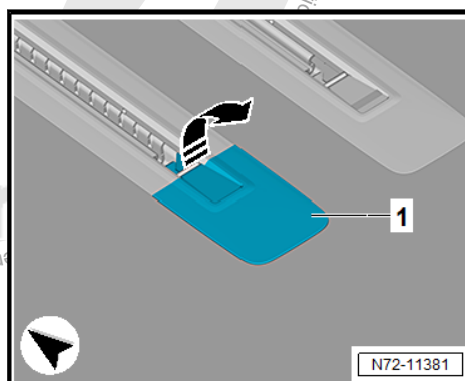
### Vehicles with electric seat rail

- Move front seat to rearmost and highest position.
- Remove trim -1- from seat frame.
- Disconnect connector for seat rails.
- Move aside electrical wire.

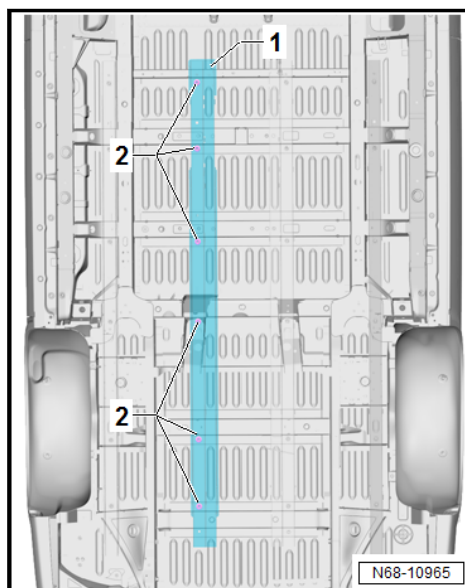


### All vehicles (continued)

- Unclip covers -1- at front and rear in direction of -arrow-.



- Unscrew nuts -2-.
- Remove seat rail -1-.





## Installing

Install in reverse order of removal, observing the following:

- Make sure that the seat rail is positioned flush in the guides.

## Tightening torques

- ◆ ⇒ Rep. gr. 72 ; Assembly overview – seat rails

### 3.14.3 Removing and installing centre seat rails

#### Removing

- Remove individual seats ⇒ Rep. gr. 72 ; Removing and installing individual seats .
- Remove rear underbody cladding ⇒ General body repairs, exterior; Rep. gr. 66 ; Underbody cladding; Removing and installing rear underbody cladding .
- Remove fuel tank ⇒ Rep. gr. 20 ; Fuel tank; Removing and installing fuel tank .
- Remove centre heat shield ⇒ General body repairs, exterior; Rep. gr. 66 ; Heat shields; Removing and installing centre heat shield .

#### Vehicles with multifunction table

- Remove multifunction table ⇒ Rep. gr. 68 ; Removing and installing multifunction table .
- Remove front heat shield ⇒ General body repairs, exterior; Rep. gr. 66 ; Heat shields; Removing and installing front heat shield .

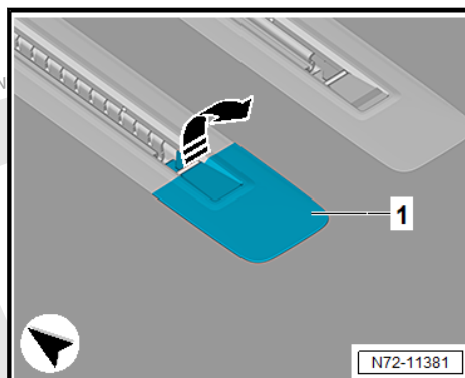
#### Vehicles with high-voltage battery 1 - AX2-

- Remove high-voltage battery 1 - AX2- ⇒ Rep. gr. 93 ; High-voltage battery unit; Removing and installing high-voltage battery 1 [AX2] .

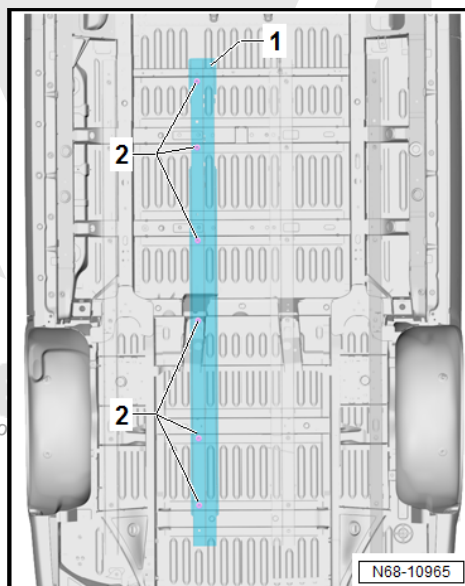


### All vehicles (continued)

- Unclip covers -1- at front and rear in direction of -arrow-.



- Unscrew nuts -2-.
- Remove seat rail -1-.



### Installing

Install in reverse order of removal, observing the following:

- Make sure that the seat rail is positioned flush in the guides.

### Tightening torques

- ♦ ⇒ Rep. gr. 72 ; Assembly overview – seat rails



## 74 – Seat - padding, covers

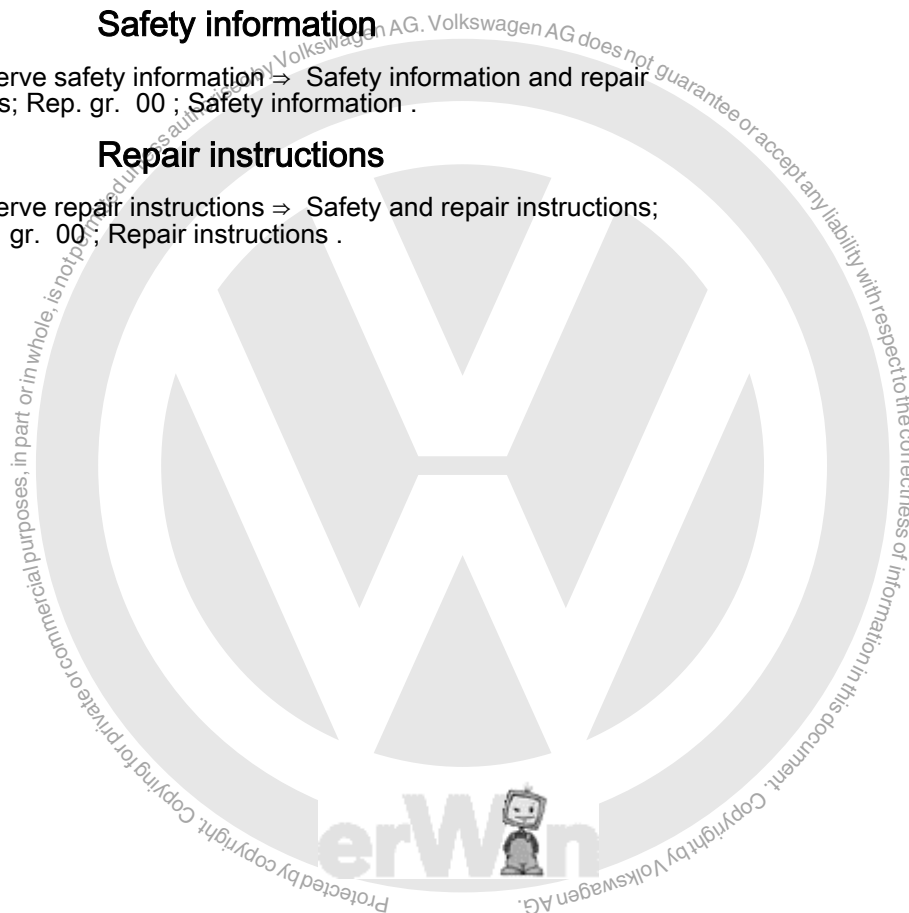
### 1 Safety information and repair notes

#### 1.1 Safety information

Observe safety information ⇒ Safety information and repair notes; Rep. gr. 00 ; Safety information .

#### 1.2 Repair instructions

Observe repair instructions ⇒ Safety and repair instructions; Rep. gr. 00 ; Repair instructions .



## 2 Front seat covers and padding

### 2.1 Assembly overview – seat pan cover and padding

#### 1 - Seat pan

- ☐ ⇒ Rep. gr. 72 ; Assembly overview – seat pan

#### 2 - Padding

- ☐ Depending on equipment/installation period with front left seat cushion fan 1 - V514- / front right seat cushion fan 1 - V518-
- ☐ ⇒ Rep. gr. 74 ; Removing and installing seat pan cover and padding
- ☐ ⇒ Rep. gr. 74 ; Separating seat pan cover from seat pan padding

#### 3 - Upholstery clip

- ☐ Renew after removing

#### 4 - Seat cover

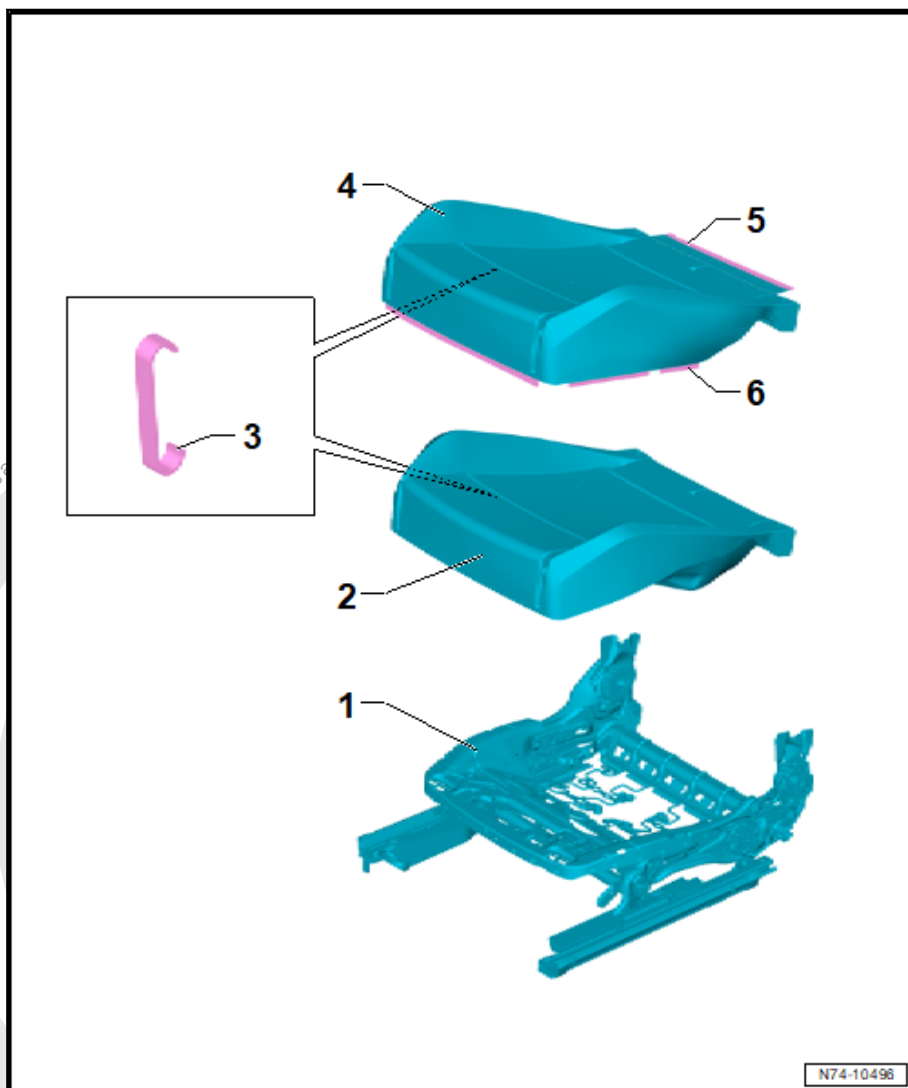
- ☐ Depending on equipment/installation period
- ☐ ⇒ Rep. gr. 74 ; Separating seat pan cover from seat pan padding
- ☐ ⇒ Rep. gr. 74 ; Removing and installing seat pan cover and padding

#### 5 - Piping strip

- ☐ Only to be renewed along with cover

#### 6 - Piping strip

- ☐ Only to be renewed along with cover



### 2.2 Assembly overview – backrest cover and padding

The overview is shown for the left side of the vehicle as an example.



#### 1 - Upholstery clip

- ☐ Renew after removing

#### 2 - Piping strip

- ☐ Only to be renewed along with cover

#### 3 - Seat cover

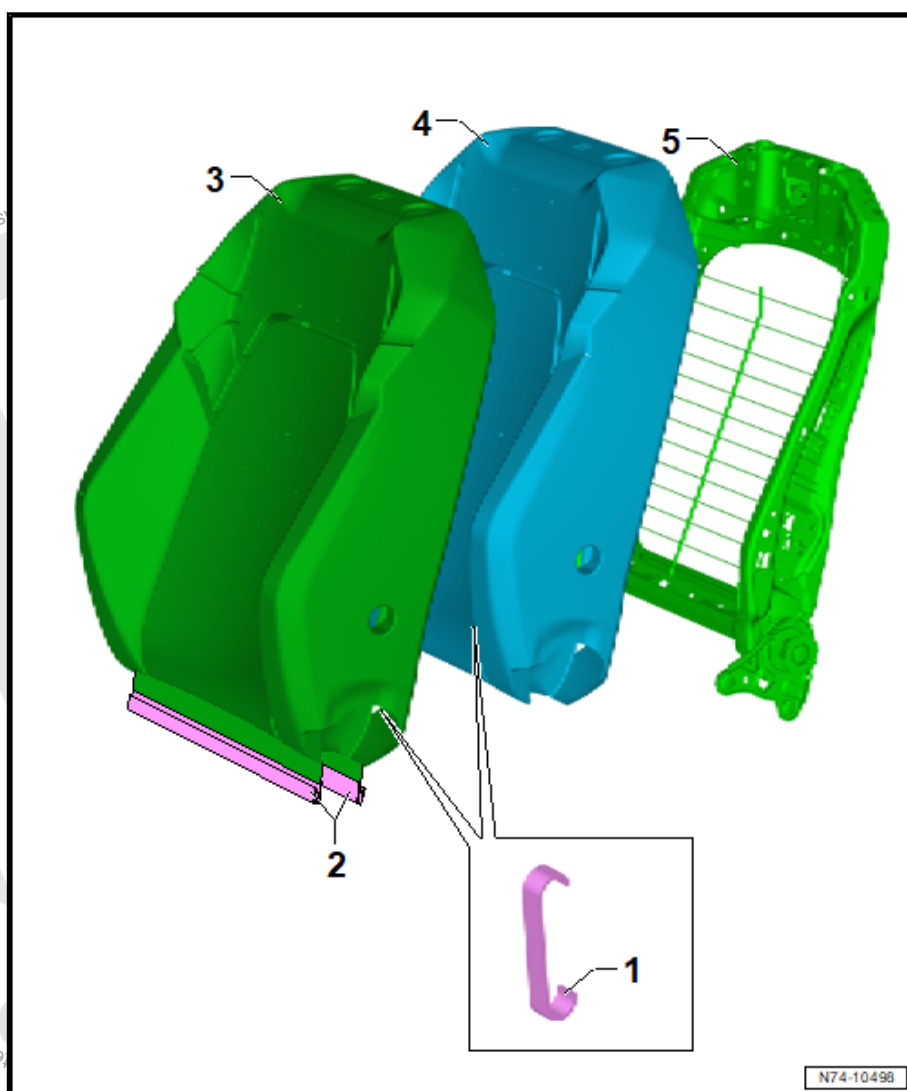
- ☐ Depending on equipment/installation period
- ☐ ➔ Rep. gr. 74 ; Separating backrest cover from backrest padding

#### 4 - Padding

- ☐ Depending on equipment/installation period with front left seat backrest fan 1 - V512- / front right seat backrest fan 1 - V516-
- ☐ ➔ Rep. gr. 74 ; Separating backrest cover from backrest padding

#### 5 - Front backrest

- ☐ ➔ Rep. gr. 72 ; Assembly overview – front backrest
- ☐ ➔ Rep. gr. 72 ; Removing and installing front backrest



N74-10498

## 2.3 Assembly overview – seat heating element

Overview is shown for left side of vehicle as an example

### 1 - Padding

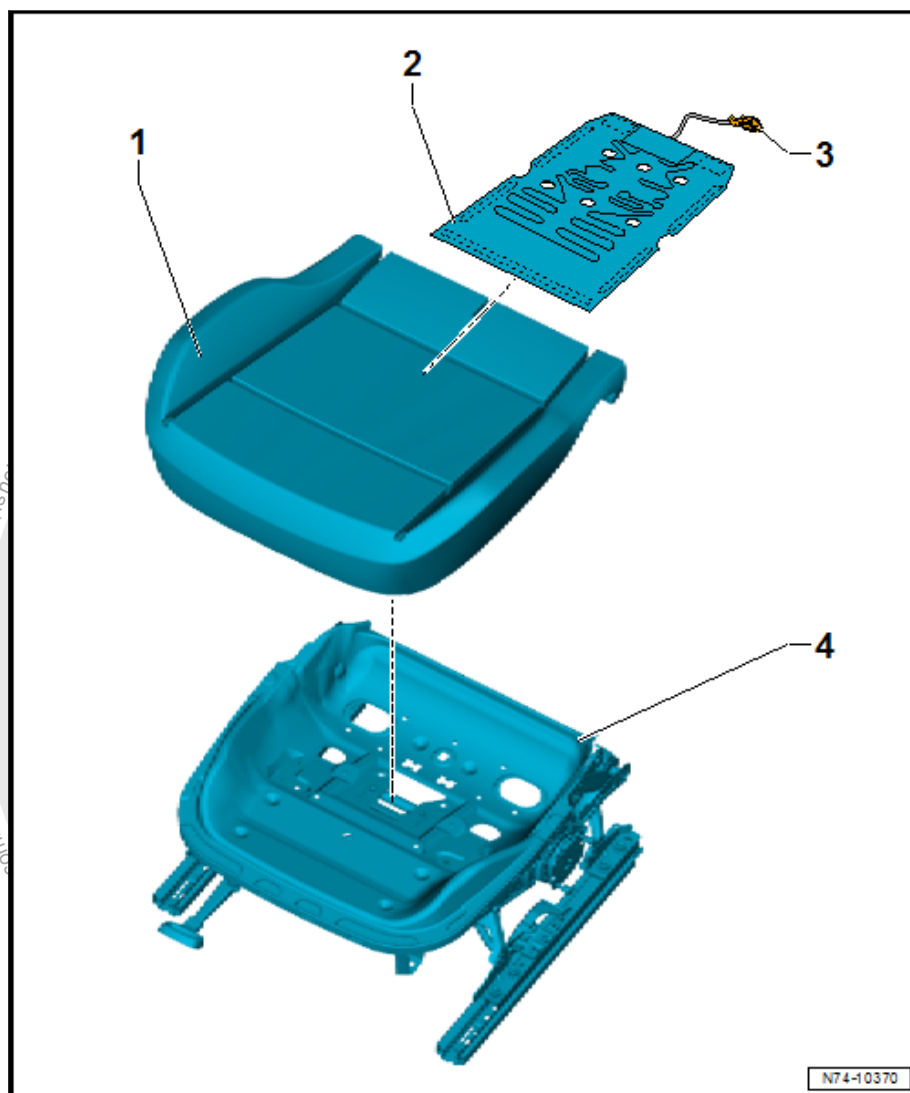
- ☐ Depending on equipment/installation period
- ☐ ⇒ Rep. gr. 74 ; Removing and installing seat pan cover and padding
- ☐ ⇒ Rep. gr. 74 ; Separating seat pan cover from seat pan padding

### 2 - Seat heating element

- ☐ With front left seat heating - ZX11- or front right seat heating - ZX13-
- ☐ ⇒ Rep. gr. 74 ; Removing and installing seat heating element [ZX11]/[ZX13]

### 3 - Electrical connector

### 4 - Seat frame



## 2.4 Assembly overview – backrest heating element

Overview is shown for left side of vehicle as an example

#### 1 - Backrest frame

- ❑ ⇒ Rep. gr. 72 ; Removing and installing front backrest

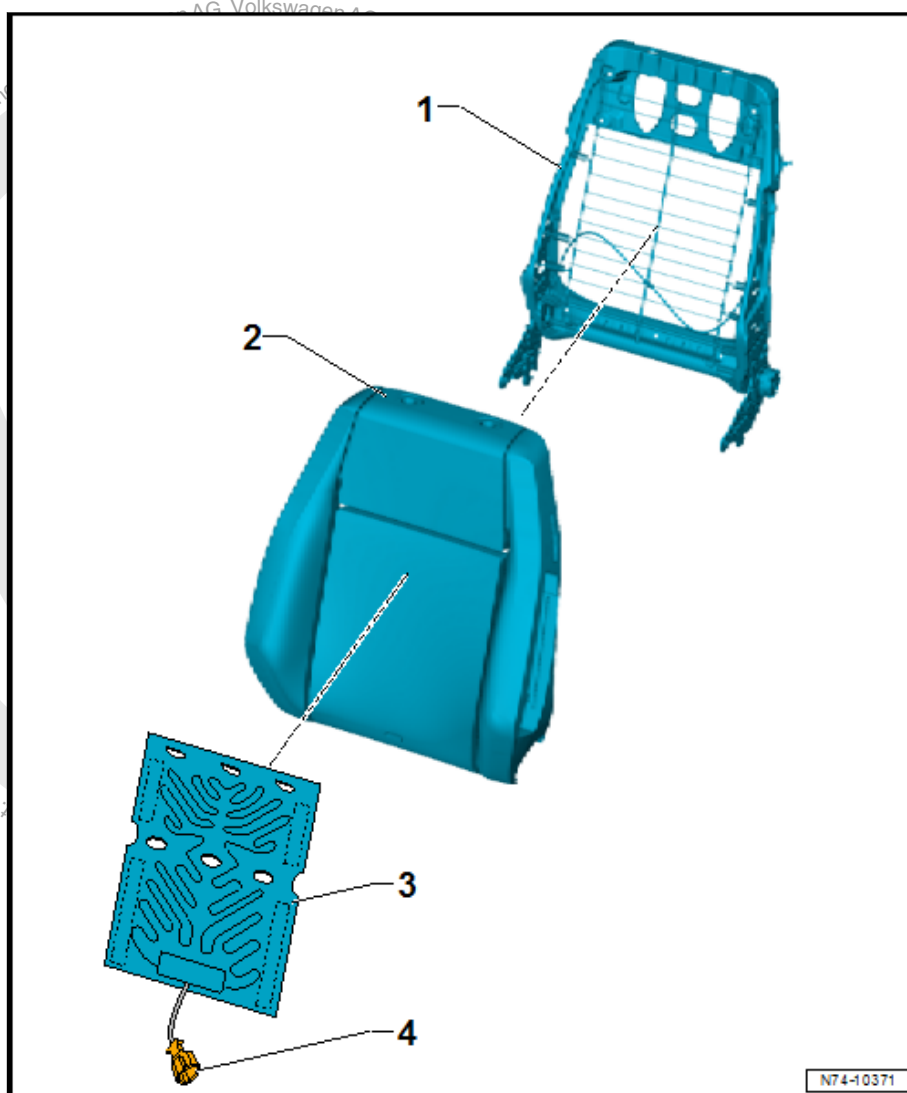
#### 2 - Padding

- ❑ ⇒ Rep. gr. 74 ; Separating backrest cover from backrest padding

#### 3 - Backrest heating element

- ❑ With heated backrest for front left seat - Z116- or heated backrest for front right seat - Z117-
- ❑ ⇒ Rep. gr. 74 ; Removing and installing backrest heating element [Z116]/[Z117]

#### 4 - Electrical connector



## 2.5 Removing and installing seat pan cover and padding

### Special tools and workshop equipment required

- ◆ hook - 3438-

Removal and installation are described for the left side of vehicle as an example.

### Removing

- Remove seat trim bracket ⇒ Rep. gr. 72 ; Removing and installing seat trim bracket .
- Remove front belt buckle ⇒ Rep. gr. 69 ; Removing and installing front belt buckle .
- Remove front backrest ⇒ Rep. gr. 72 ; Removing and installing front backrest .



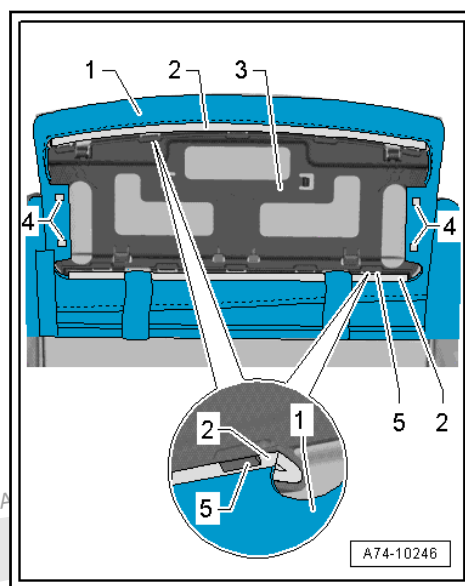
### Vehicles with driver seat adjustment control unit - J810-

- Remove driver seat adjustment control unit - J810- ➔ Rep. gr. 72 ; Removing and installing seat adjustment control unit .
- Unclip control unit bracket.

### All vehicles (continued)

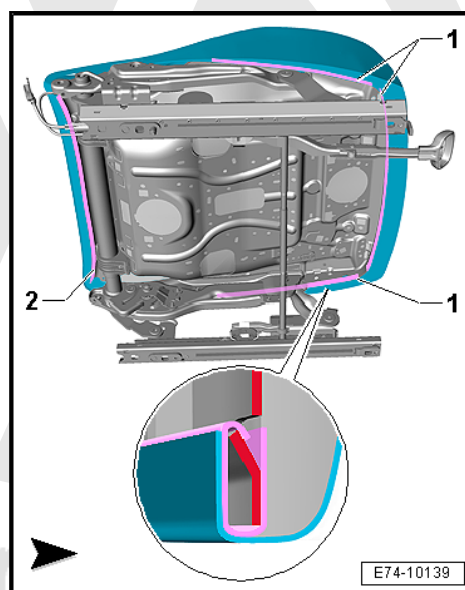
#### Vehicles with seat depth adjustment unit

- Unclip beading strips -2- from fasteners -5-.
- Release seat pan cover -1- from tabs -4-.
- Detach carrier -3- along with seat depth adjustment padding from seat pan cover -1-.



### All vehicles (continued)

- Detach beading strips -1- and -2- using hook - 3438- .
- Pull tabs off seat frame.
- Disconnect electrical connector.
- Detach cover and padding from seat pan.





## Installing

Install in reverse order of removal.

## 2.6 Separating seat pan cover from seat pan padding

### Special tools and workshop equipment required

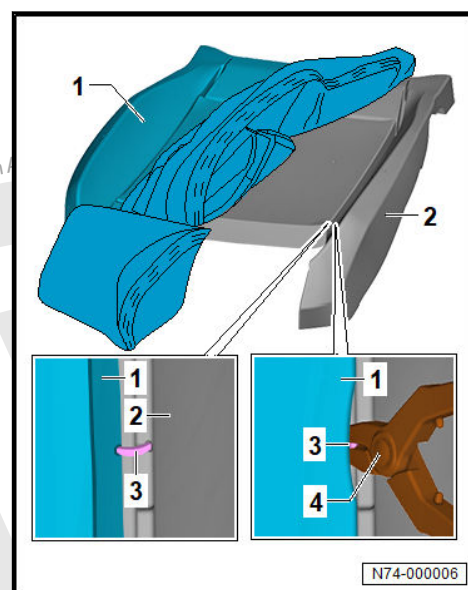
- ◆ upholstery clip pliers - V.A.G 1634B-

Removal and installation are described for left side of vehicle as an example.

## Removing

- Remove seat pan cover and padding ⇒ Rep. gr. 74 ; Removing and installing seat pan cover and padding .

- Pull seat pan cover -1- off seat pan padding -2- far enough for upholstery clips -3- to become accessible.
- Separate upholstery clips -3- using commercially available pliers -4-.
- Remove seat pan cover -1-.



## Installing

Install in reverse order of removal, observing the following:

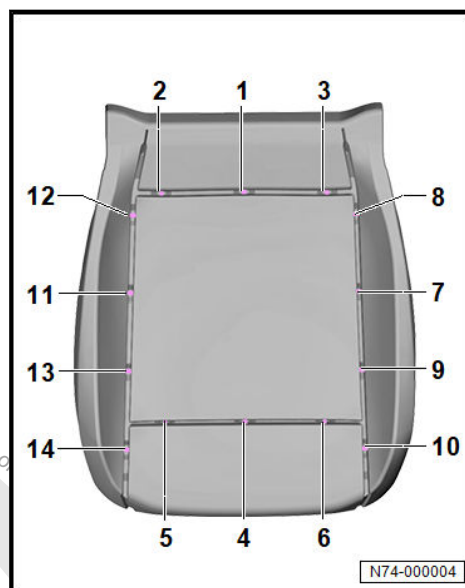
### Important

- Make sure that seat pan cover is fitted without creases.



### Vehicles without seat depth adjustment

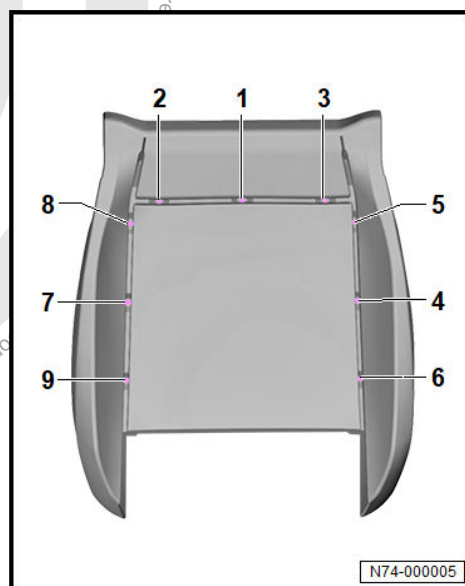
- Secure new upholstery clips in sequence -1- through -14- using upholstery clip pliers - V.A.G 1634B- .



### All vehicles (continued)

#### Vehicles with seat depth adjustment unit

- Secure new upholstery clips in sequence -1- through -9- using upholstery clip pliers - V.A.G 1634B- .



## 2.7 Separating backrest cover from backrest padding

### Special tools and workshop equipment required

- ◆ hook - 3438-
- ◆ release tool - T10236-
- ◆ upholstery clip pliers - V.A.G 1634B-

Removal and installation are described for left side of vehicle as an example.



## Removing

- Remove front backrest ⇒ Rep. gr. 72 ; Removing and installing front backrest .
- Remove head restraint ⇒ Rep. gr. 72 ; Removing and installing head restraint .
- Remove front centre armrest ⇒ Rep. gr. 68 ; Removing and installing front centre armrest .
- Unclip caps of head restraint lock using commercially available plastic wedge.

## Vehicles with folding table

- Remove folding table ⇒ Rep. gr. 72 ; Removing and installing folding table .

## All vehicles (continued)

- Open beading strips -4- in direction of -arrow- using hook - 3438- .
- Open zip fastener.
- Roll backrest cover -1- upwards at front and at rear.



### CAUTION

It is possible to trigger pyrotechnic components unintentionally.

#### Risk of injury

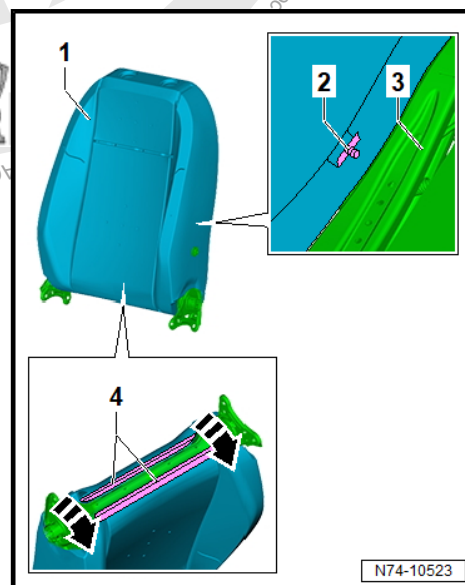
- Discharge static electricity by briefly touching door striker plate.



### NOTICE

Risk of irreparable damage due to electrostatic discharge.

- Do not touch connector contacts with your hands.
- Touch the lifting platform or other earthed object to discharge static electricity.
- Cut through upholstery clips using commercially available pliers.
- Use release tool - T10236- to release clip -2- on both sides.
- Cut through additional upholstery clips using commercially available pliers.
- Remove backrest cover -1- with padding from backrest frame -3-.



## Installing

Install in reverse order of removal, observing the following:





## Important

- Make sure that backrest cover is fitted without creases.

### CAUTION

It is possible to trigger pyrotechnic components unintentionally.

#### Risk of injury

- Discharge static electricity by briefly touching door striker plate.

### NOTICE

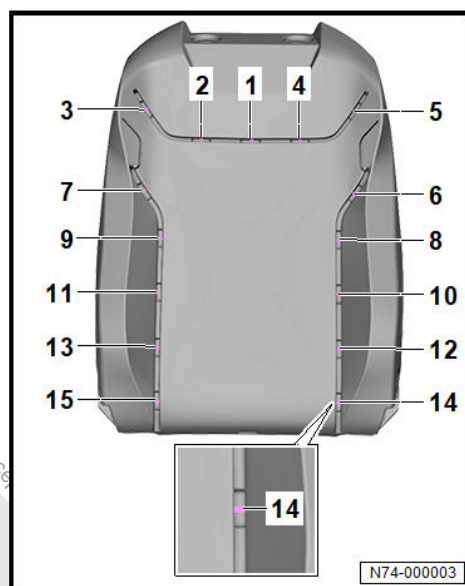
Risk of irreparable damage due to electrostatic discharge.

- Do not touch connector contacts with your hands.
- Touch the lifting platform or other earthed object to discharge static electricity.
- Secure new upholstery clips in sequence -1- through -15- using upholstery clip pliers - V.A.G 1634B- .

#### Note

Engage opposite side of zip fastener first.

- Close zip fastener with zip closer ➔ Electronic parts catalogue (ETKA) .



## Tightening torques

- ♦ Rep. gr. 72 ; Assembly overview – front backrest

## 2.8 Removing and installing seat heating element [ZX11]/[ZX13]

Removal and installation are described for one heater element as an example.

The front left seat heating - ZX11- and front right headlight - ZX13- will henceforth be referred to as "heater element".



## Removing

- Separate ⇒ Rep. gr. 74 ; seat pan cover from seat pan padding .

## Important

- Commercially available hot air blower should be set to 220°C.
- Distance to be maintained between hot air blower and padding must be approx. 30 cm.
- Apply heat to defective heater element in area of bonded joint.
- Grasp heater element in area of adhesive strips, and carefully detach it while continuously applying hot air.
- When so, slowly pull off heater element at an angle of approx. 45°.

## Note

Adhesive remains of the defective heater element may remain on the padding.

- Make sure that no larger fragments of the padding are torn out.

## Note

Small torn out fragments are permissible.

## Installing

### Note

There are grooved recesses in the padding in which the wires run. The seat pan cover is attached to the wires by means of upholstery clips.

- Make sure that heater element comes fully into contact with padding in grooved recesses.

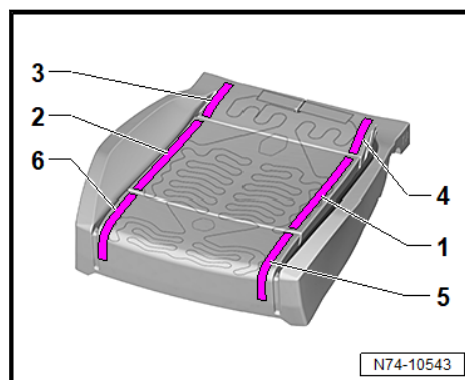
## If bonding requires correction:

- Use new heater element.



## Continued

- Bond on heater element centrally and without creases in sequence -1- to -6-.



## 2.9 Removing and installing backrest heating element [Z116]/[Z117]

Removal and installation are described for one heater element as an example.

Heated backrest for front left seat - Z116- and heated backrest for front right seat - Z117- will henceforth be referred to as "heater element".

### Removing

- ➤ Rep. gr. 74 ; Separate backrest cover from backrest padding .

### Important

- Commercially available hot air blower, setting: 220°C
- Distance to be maintained between hot air blower and padding must be approx. 30 cm.
- Apply heat to defective heater element in area of bonded joint.
- Grasp heater element in area of adhesive strips, and carefully detach it while continuously applying hot air.
- When so, slowly pull off heater element at an angle of approx. 45°.

### Note

Adhesive remains of the defective heater element may remain on the padding.

- Make sure that no larger fragments of the padding are torn out.

### Note

Small torn out fragments are permissible.



## Installing

### Note

There are grooved recesses in the padding in which the wires run. The backrest cover is attached to the wires by means of upholstery clips.

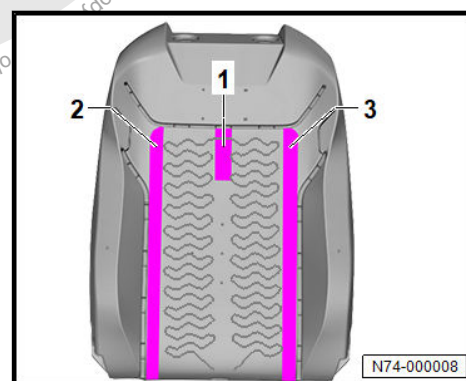
- Make sure that heater element comes fully into contact with padding in grooved recesses.

### If bonding requires correction:

- Use new heater element.

### Continued

- Bond on heater element centrally and without creases in sequence -1- to -3-.



## 3 Rear seat covers and padding

### 3.1 Assembly overview - cover and padding

The overview is shown for one seat as an example.

#### 1 - Rear seat backrest cover

- ☐ Depending on equipment/installation period
- ☐ ⇒ Rep. gr. 74 ; Removing and installing cover and padding of rear seat backrest
- ☐ ⇒ Rep. gr. 74 ; Separating cover and padding for rear seat backrest

#### 2 - Rear seat backrest padding

- ☐ ⇒ Rep. gr. 74 ; Removing and installing cover and padding of rear seat backrest
- ☐ ⇒ Rep. gr. 74 ; Separating cover and padding for rear seat backrest

#### 3 - Seat frame

- ☐ ⇒ Rep. gr. 72 ; Assembly overview – individual seats
- ☐ ⇒ Rep. gr. 72 ; Removing and installing individual seats

#### 4 - Rear seat pan padding

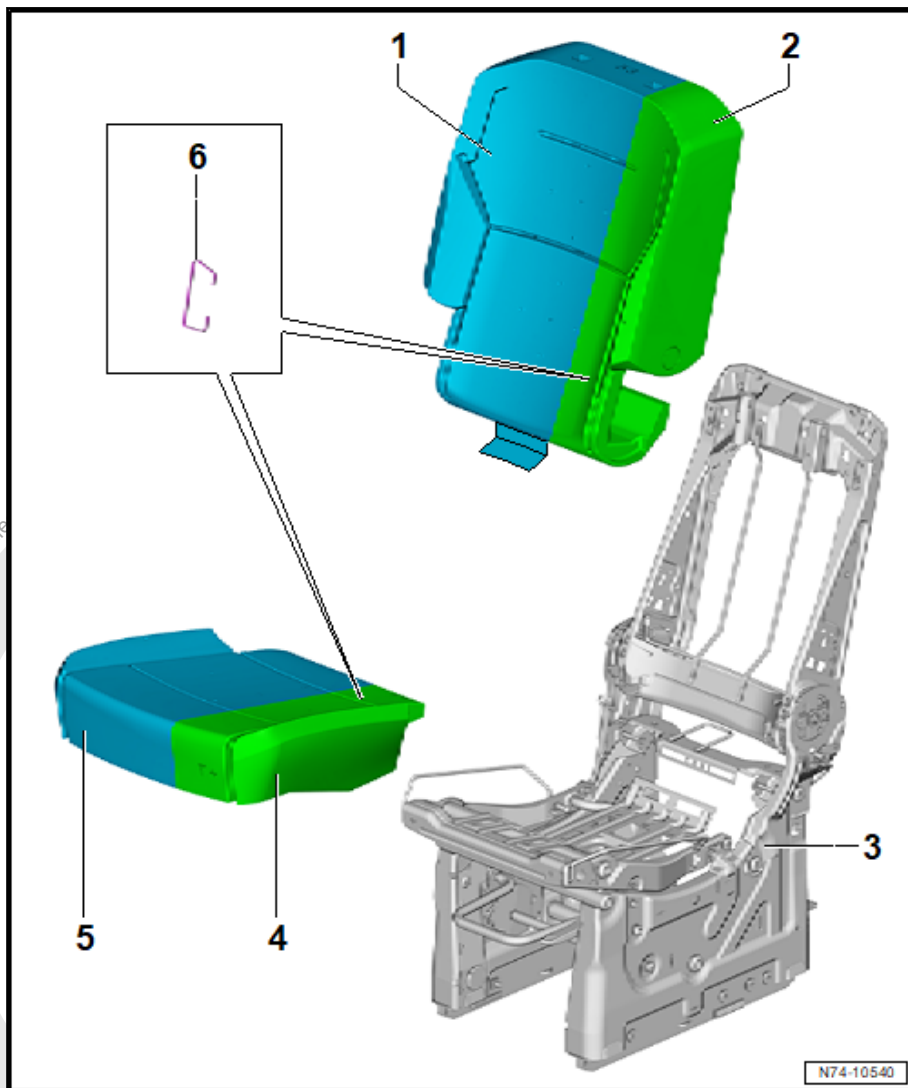
- ☐ ⇒ Rep. gr. 74 ; Removing and installing cover and padding of rear seat pan
- ☐ ⇒ Rep. gr. 74 ; Separating cover and padding of rear seat pan

#### 5 - Rear seat pan cover

- ☐ Depending on equipment/installation period
- ☐ ⇒ Rep. gr. 74 ; Removing and installing cover and padding of rear seat pan
- ☐ ⇒ Rep. gr. 74 ; Separating cover and padding of rear seat pan

#### 6 - Upholstery clip

- ☐ Renew after removing



### 3.2 Assembly overview – seat heating element

The overview is shown for one seat as an example.



### 1 - Padding

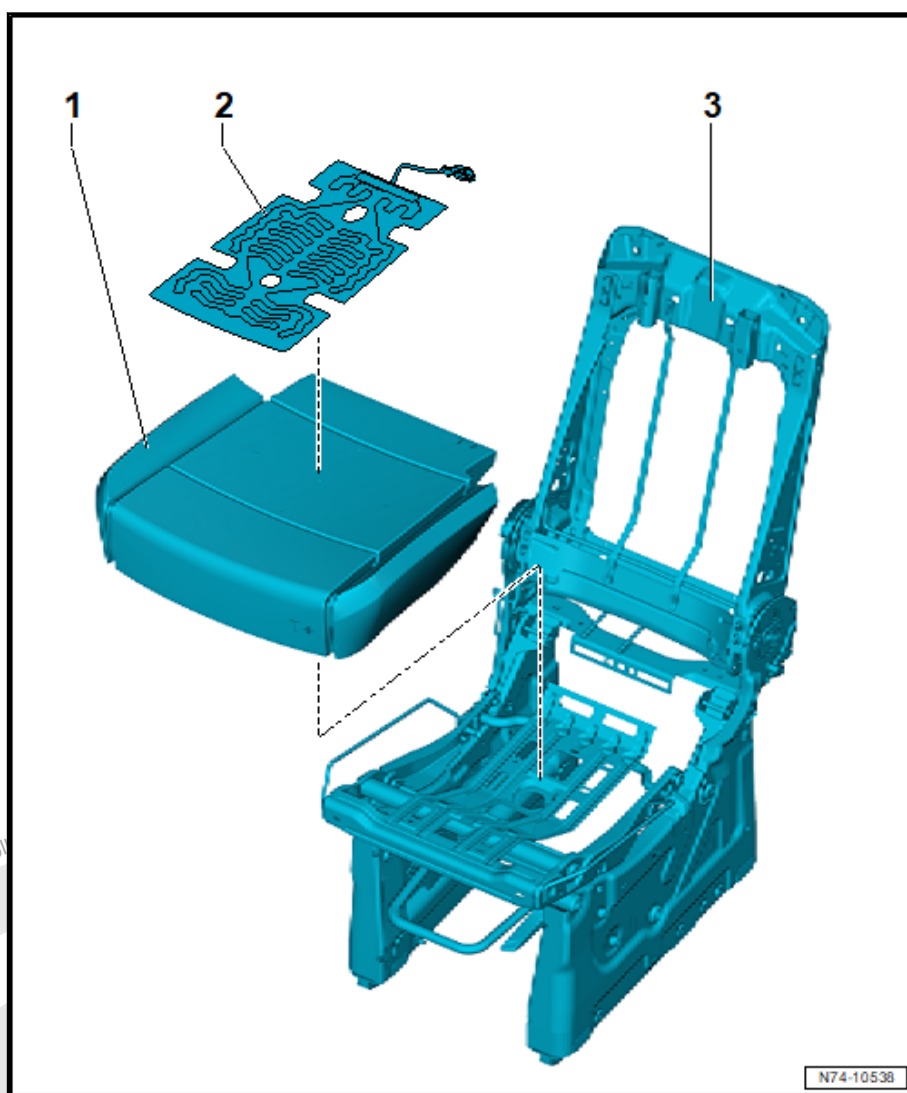
- ❑ ➔ Rep. gr. 74 ; Assembly overview - cover and padding
- ❑ ➔ Rep. gr. 74 ; Removing and installing cover and padding of rear seat pan
- ❑ ➔ Rep. gr. 74 ; Separating cover and padding of rear seat pan

### 2 - Seat heating element

- ❑ With heated seat cushion for left seat, row 2 - Z69- / heated seat cushion for right seat, row 2 - Z71-
- ❑ With heated seat cushion for left seat, row 3 - Z73- / heated seat cushion for right seat, row 3 - Z75-
- ❑ ➔ Rep. gr. 74 ; Removing and installing seat heating element

### 3 - Seat frame

- ❑ ➔ Rep. gr. 72 ; Assembly overview – individual seats
- ❑ ➔ Rep. gr. 72 ; Removing and installing individual seats



## 3.3 Assembly overview – backrest heating element

The overview is shown for one seat as an example.





### 1 - Backrest heating element

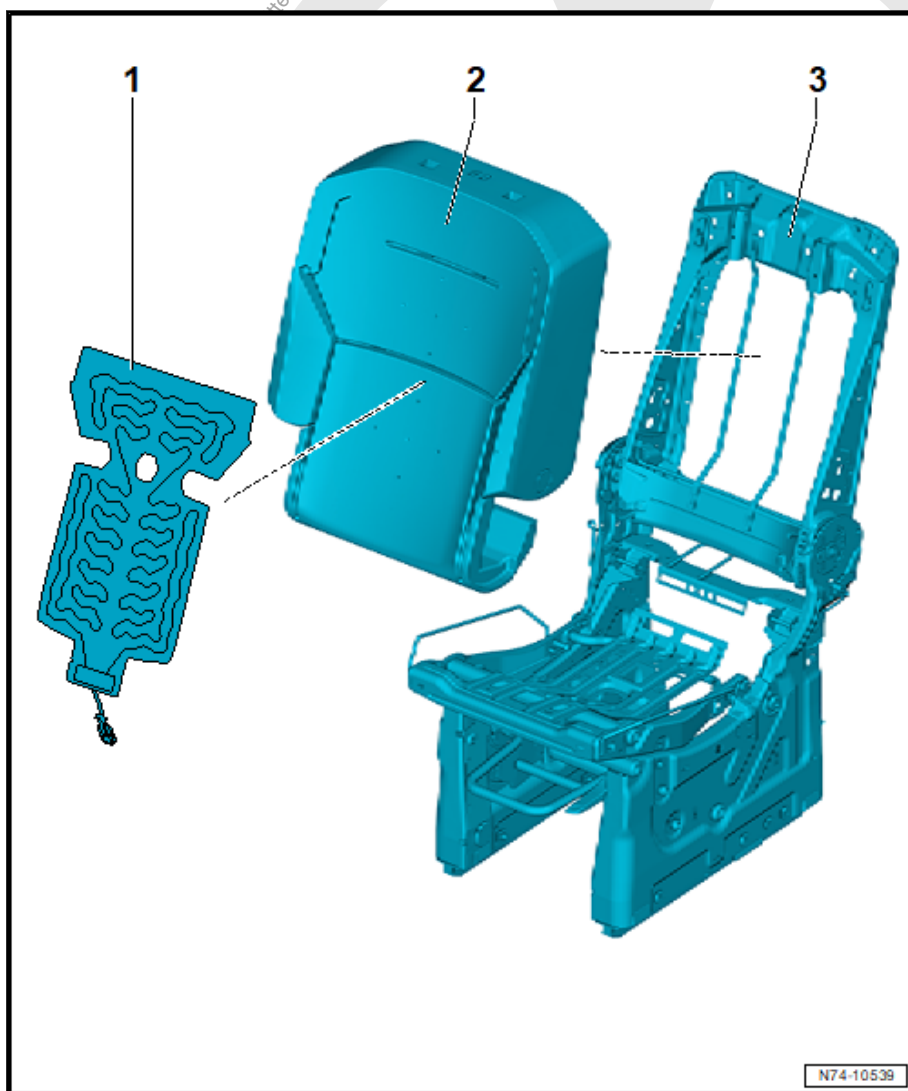
- ☐ With heated backrest for left seat, row 2 - Z68- / heated backrest for right seat, row 2 - Z70-
- ☐ With heated backrest for left seat, row 3 - Z72- / heated backrest for right seat, row 3 - Z74-
- ☐ ⇒ Rep. gr. 74 ; Removing and installing backrest heating element

### 2 - Padding

- ☐ ⇒ Rep. gr. 74 ; Assembly overview - cover and padding
- ☐ ⇒ Rep. gr. 74 ; Removing and installing cover and padding of rear seat backrest
- ☐ ⇒ Rep. gr. 74 ; Separating cover and padding for rear seat backrest

### 3 - Seat frame

- ☐ ⇒ Rep. gr. 72 ; Assembly overview – individual seats
- ☐ ⇒ Rep. gr. 72 ; Removing and installing individual seats



## 3.4 Removing and installing cover and padding of rear seat pan

Removal and installation are described for one individual seat as an example.

### Removing

- Remove individual seat ⇒ Rep. gr. 72 ; Removing and installing individual seats .
- Remove ISOFIX guide ⇒ Rep. gr. 72 ; Removing and installing seat trim .
- Remove fitting trims on left and right ⇒ Rep. gr. 72 ; Removing and installing seat trim .



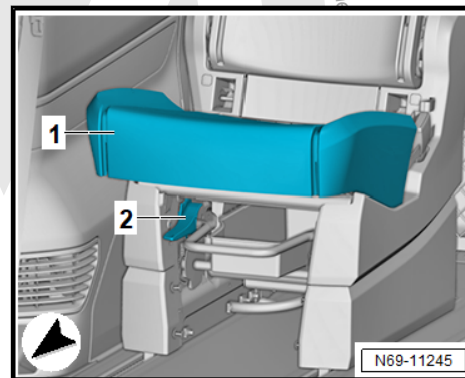


#### Vehicles with rear seat heating

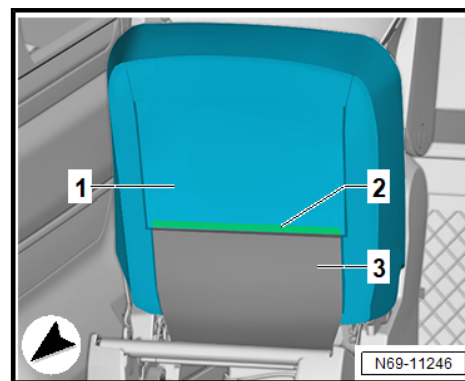
- Disconnect electrical connector.

#### All vehicles (continued)

- Operate locking lever -2-, and fold up seat padding -1-.



- Unclip cover -1- from retainer strip -2-.
- Detach cover -3- from seat pan.
- Detach remaining retainer strips -3- from seat pan.
- Remove cover with padding -3-.



#### Installing

Install in reverse order of removal.

### 3.5 Removing and installing cover and padding of rear seat backrest

#### Removing

- Remove individual seat ⇒ Rep. gr. 72 ; Removing and installing individual seats .
- Remove head restraint ⇒ Rep. gr. 72 ; Removing and installing head restraint .
- Remove fitting trims on left and right ⇒ Rep. gr. 72 ; Removing and installing seat trim .
- Remove ISOFIX guide ⇒ Rep. gr. 72 ; Removing and installing seat trim .
- Remove rear trim ⇒ Rep. gr. 72 ; Removing and installing seat trim .



### Seat with integrated three-point seat belt

- Remove back panel trim ⇒ Rep. gr. 72 ; Removing and installing seat trim .
  - Remove belt guide cap ⇒ Rep. gr. 72 ; Removing and installing seat trim .
  - Detach retainer strips of cover.
- 

### All vehicles (continued)

#### Outer seat

- Remove trim collar in centre armrest ⇒ Rep. gr. 72 ; Removing and installing centre armrest .
  - Remove folding table ⇒ Rep. gr. 72 ; Removing and installing folding table .
  - Remove locking mechanism trim ⇒ Rep. gr. 72 ; Removing and installing seat trim .
  - Detach bottom retainer strip on cover.
  - Open side zip fastener.
  - Open zip fastener.
- 

### All vehicles (continued)

- Fit cover through head restraint guides
  - Remove padding with cover.
- 

### Installing

Install in reverse order of removal, observing the following:

---

#### Outer seat

- Close zip fastener with zip closer ⇒ Electronic parts catalogue (ETKA) .

## 3.6 Separating cover and padding of rear seat pan

### Special tools and workshop equipment required

- ♦ upholstery clip pliers - V.A.G 1634B-

The rear seat backrest cover and padding will henceforth be referred to as "cover".

---



## Removing

- Remove cover and padding of rear seat pan ⇒ Rep. gr. 74 ; Removing and installing cover and padding of rear seat pan .

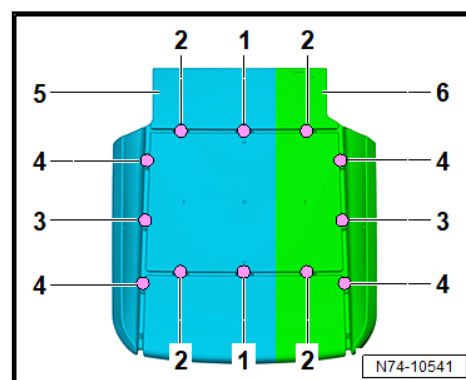
- Fold up cover.
- Separate upholstery clips using commercially available pliers.
- Remove cover from padding.

## Installing

Install in reverse order of removal, observing the following:

### Important

- Cover -5- must lie on padding -6- without creases.
- Secure new upholstery clips in sequence -1- through -4- using upholstery clip pliers - V.A.G 1634B- .



## 3.7 Separating cover and padding for rear seat backrest

### Special tools and workshop equipment required

- ◆ upholstery clip pliers - V.A.G 1634B-

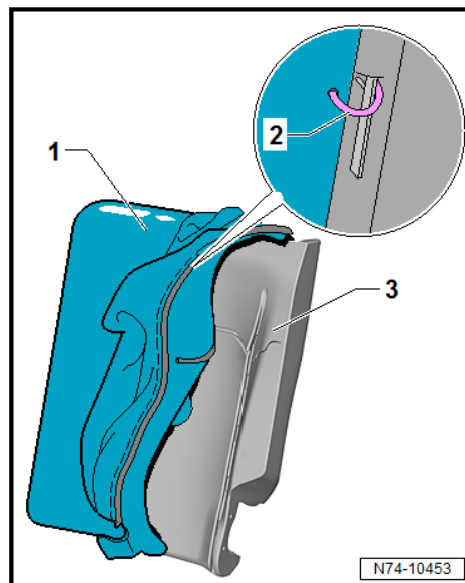
The rear seat backrest cover and padding will henceforth be referred to as "cover".

## Removing

- Remove cover and padding of rear seat backrest ⇒ Rep. gr. 74 ; Removing and installing cover and padding of rear seat backrest .



- Pull cover -1- off padding -3-.
- Separate upholstery clips -2- using commercially available pliers.
- Detach cover -1- from padding -3-.

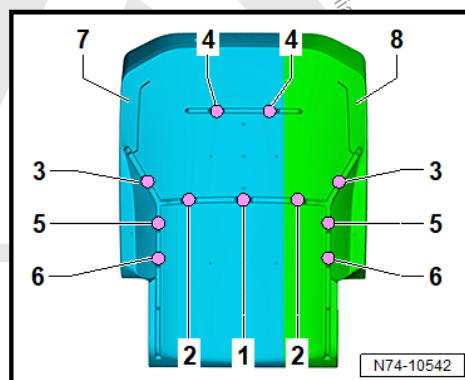


## Installing

Install in reverse order of removal, observing the following:

## Important

- Cover -7- must lie on padding -8- without creases.
- Secure new upholstery clips in sequence -1- through -6- using upholstery clip pliers - V.A.G 1634B- .



## 3.8 Removing and installing seat heating element

Heated seat cushion for left seat, row 2 - Z69- , heated seat cushion for right seat, row 2 - Z71- , heated seat cushion for left seat, row 3 - Z73- and heated seat cushion for right seat, row 3 - Z75- will henceforth be referred to as "heater element".

Removal and installation are described for one heater element as an example.



## Removing

- ⇒ Rep. gr. 74 ; Separating cover and padding of rear seat pan .

## Important

- Commercially available hot air blower should be set to 220°C.
- Distance to be maintained between hot air blower and padding must be approx. 30 cm.
- Apply heat to heater element in area of bonded joint.
- Grasp heater element in area of adhesive strips, and carefully detach it while continuously applying hot air.
- When so, slowly pull off heater element at an angle of approx. 45°.

## Note

Adhesive remains of the detective heater element may remain on the padding.

- Make sure that no larger fragments of the padding are torn out.

## Note

Small torn out fragments are permissible.

## Installing

### Note

There are grooved recesses in padding through which wires run. The seat pan cover is attached to the wires by means of upholstery clips.

- Make sure that heater element comes fully into contact with padding in grooved recesses.

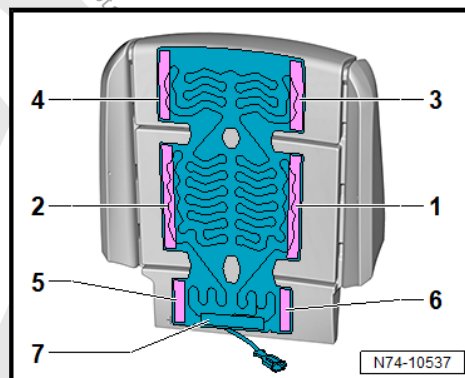
## If bonding requires correction:

- Use new heater element.



### Continued

- Bond on heater element -7- centrally and without creases in sequence -1- to -6-.



## 3.9 Removing and installing backrest heating element

The heated backrest for left seat, row 2 - Z68- , heated backrest for right seat, row 2 - Z70- , heated backrest for left seat, row 3 - Z72- and heated backrest for right seat, row 3 - Z74- will henceforth be referred to as "heater element".

Removal and installation are described for one heater element as an example.

### Removing

- ⇒ Rep. gr. 74 ; Separating cover and padding of rear seat backrest

### Important

- Commercially available hot air blower, setting: 220°C
- Distance to be maintained between hot air blower and padding must be approx. 30 cm.
- Apply heat to heater element in area of bonded joint.
- Grasp heater element in area of adhesive strips, and carefully detach it while continuously applying hot air.
- When so, slowly pull off heater element at an angle of approx. 45°.

### Note

Adhesive remains of the defective heater element may remain on the padding.

- Make sure that no larger fragments of the padding are torn out.

### Note

Small torn out fragments are permissible.



## Installing

### Note

There are grooved recesses in padding through which wires run. The backrest cover is attached to the wires by means of upholstery clips.

- Make sure that heater element comes fully into contact with padding in grooved recesses.

### If bonding requires correction:

- Use new heater element.

### Continued

- Bond on heater element -7- centrally and without creases in sequence -1- to -6-.

