



96 – Interior Lights, Switches

1 Lamps

⇒ [“1.1 Component Location Overview - Instrument Panel Lamps”, page 255](#)

⇒ [“1.2 Component Location Overview - Luggage Compartment Lamps”, page 257](#)

⇒ [“1.3 Component Location Overview - Roof Trim Panel Lamps”, page 258](#)

⇒ [“1.4 Glove Compartment Lamp W6 , Removing and Installing”, page 258](#)

⇒ [“1.5 Central Locking -Safe- Indicator Lamp K133 , Removing and Installing”, page 260](#)

⇒ [“1.6 Luggage Compartment Lamp W3 , Removing and Installing”, page 260](#)

⇒ [“1.7 Illuminated Vanity Mirror, Removing and Installing”, page 262](#)

⇒ [“1.8 Front Interior Lamp W1 Bulb, Replacing”, page 263](#)

⇒ [“1.9 Center Reading Lamps, Removing and Installing”, page 264](#)

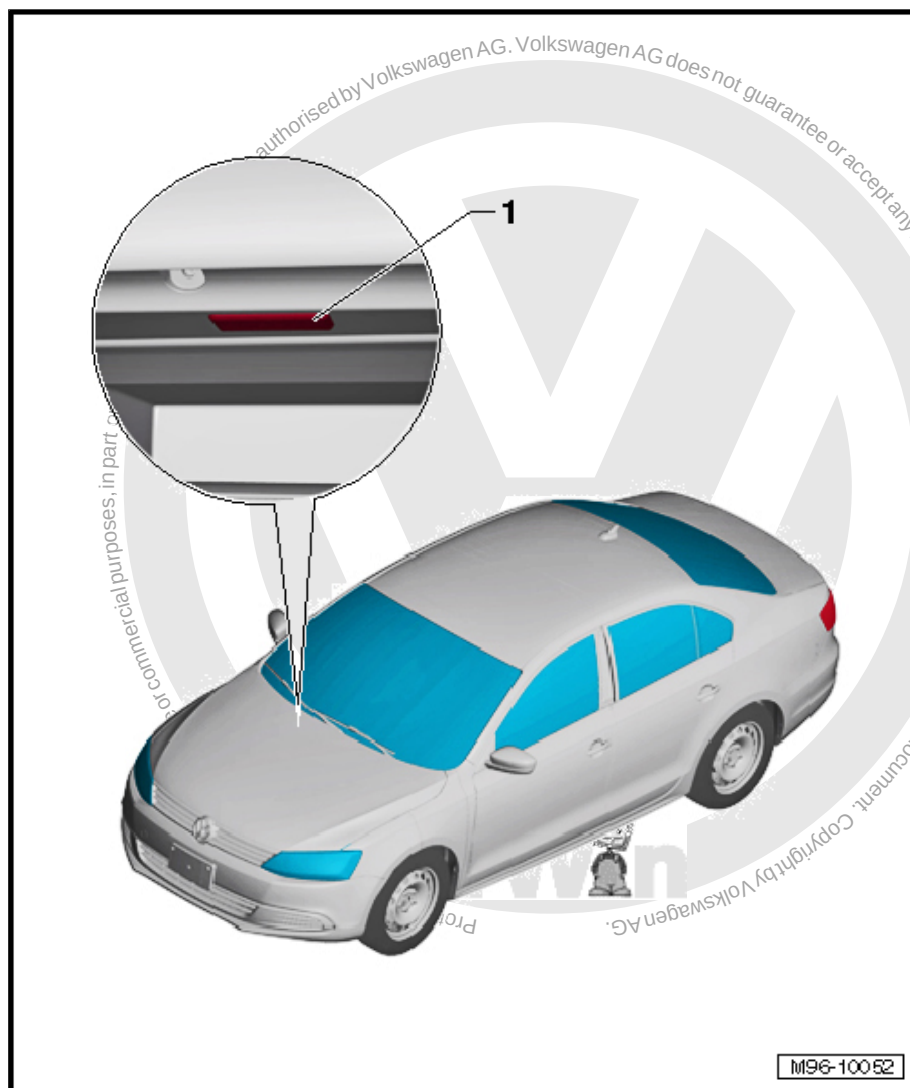
⇒ [“1.10 Rear Interior Lamp W43 Bulb, Replacing”, page 265](#)

1.1 Component Location Overview - Instrument Panel Lamps



1 - Glove Compartment Lamp - W6-

- ❑ Removing and installing. Refer to
⇒ ["1.4 Glove Compartment Lamp W6, Removing and Installing", page 258](#).

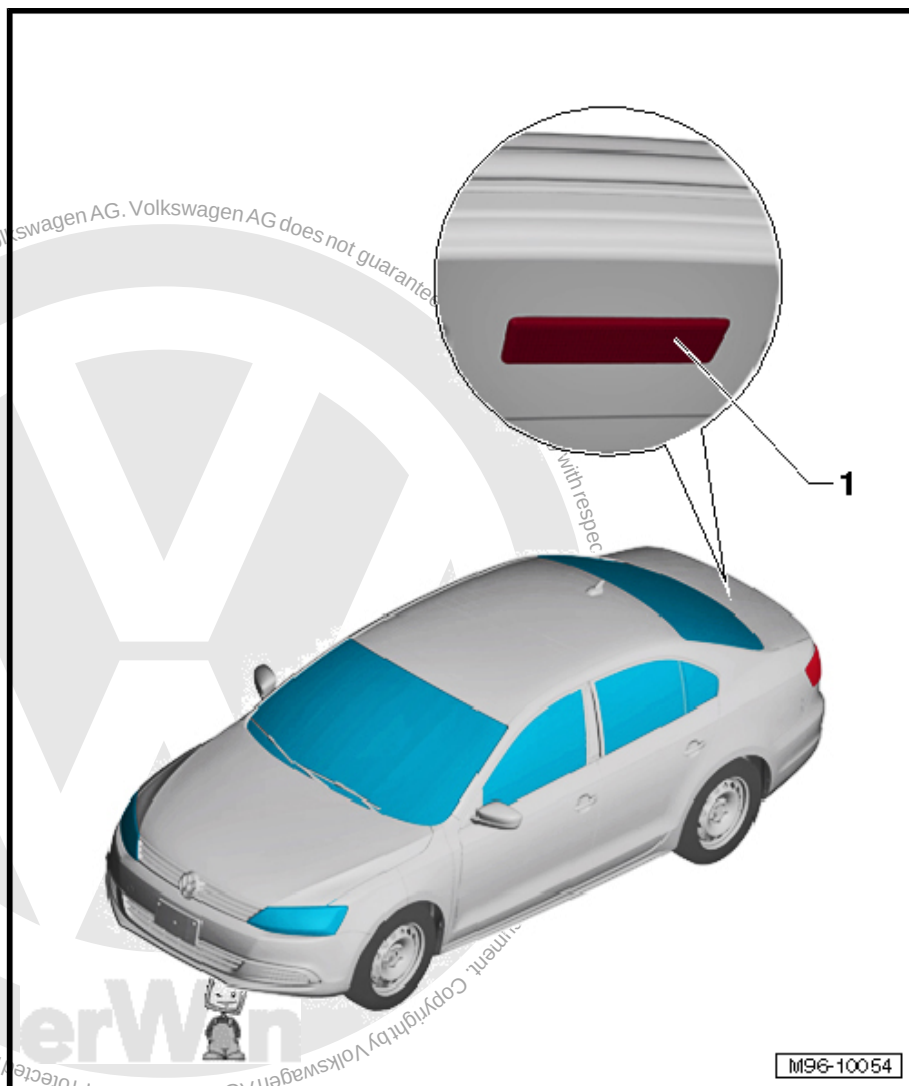




1.2 Component Location Overview - Luggage Compartment Lamps

1 - Luggage Compartment Lamp - W3-

- Removing and installing. Refer to
⇒ ["1.6 Luggage Compartment Lamp W3, Removing and Installing", page 260](#).





1.3 Component Location Overview - Roof Trim Panel Lamps

1 - Front Interior Lamp - W1-

- ❑ Bulb, Replacing. Refer to
⇒ “1.8 Front Interior Lamp W1 Bulb, Replacing”, page 263

Center Reading Lamps

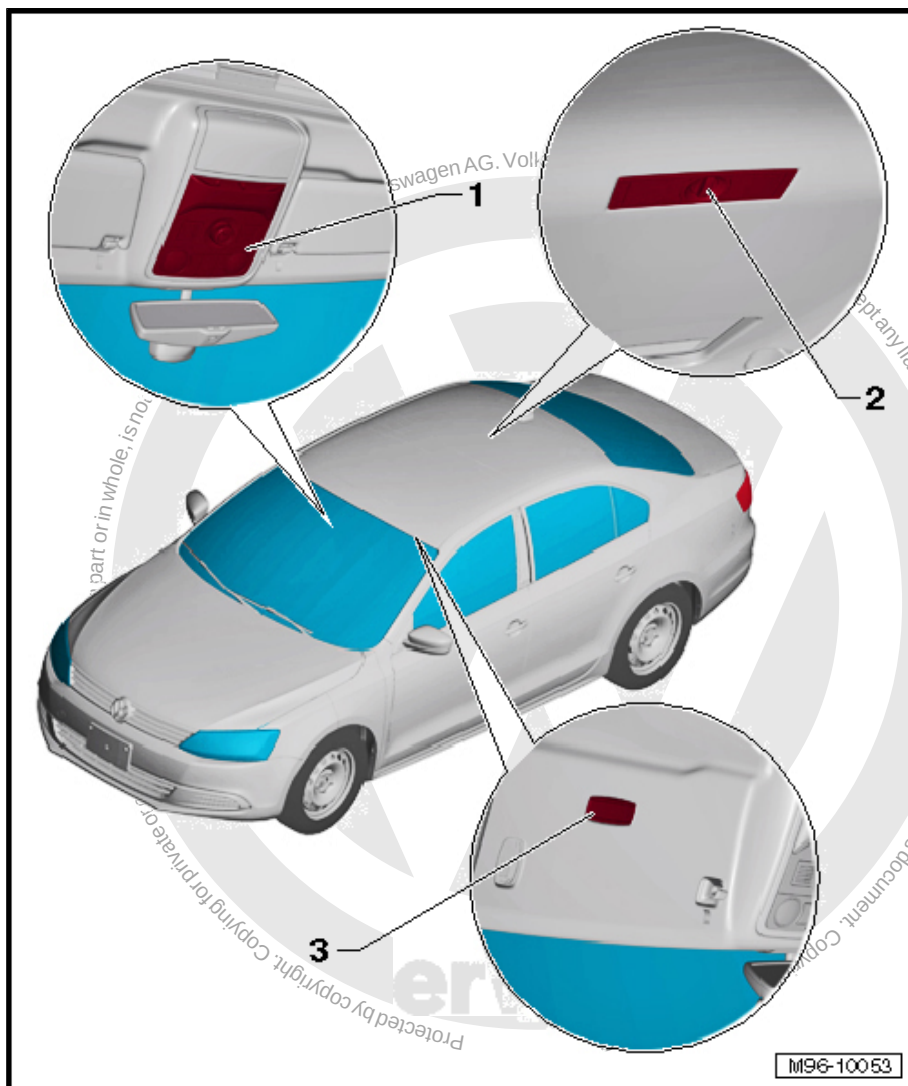
- ❑ Removing and installing. Refer to ⇒ “1.9 Center Reading Lamps, Removing and Installing”, page 264.

2 - Rear Interior Lamp - W43-

- ❑ Bulb, Replacing. Refer to
⇒ "1.10 Rear Interior
Lamp W43 Bulb, Re-
placing", page 265

3 - Front Passenger Vanity Mirror Lamp - W14- / Driver Vanity Mirror Lamp - W20-

- Removing and installing. Refer to ⇒ “1.7 Illuminated Vanity Mirror, Removing and Installing”, page 262.



1.4 Glove Compartment Lamp - W6- , Removing and Installing

Special tools and workshop equipment required

- ◆ Trim Removal Wedge - 3409-



Caution

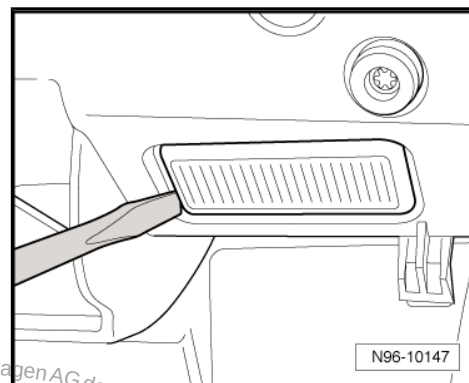
- ◆ ***When removing and installing components in visible area (switches, covers, trim, etc.), cover the areas that will come in contact with a prying tool (Trim Removal Wedge - 3409- , screwdriver) with commercially available adhesive tape.***

Removing

- Turn off the ignition and all electrical equipment and remove the ignition key.
- Open the glove compartment.

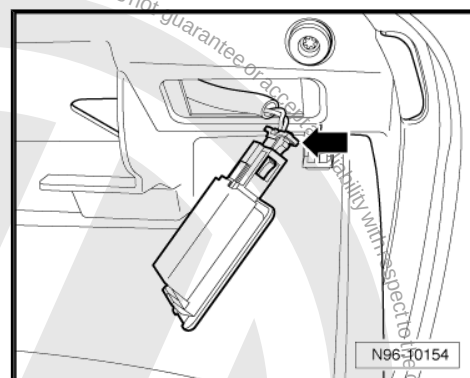


- Carefully pry out the Glove Compartment Lamp - W6- with the Trim Removal Wedge - 3409- .

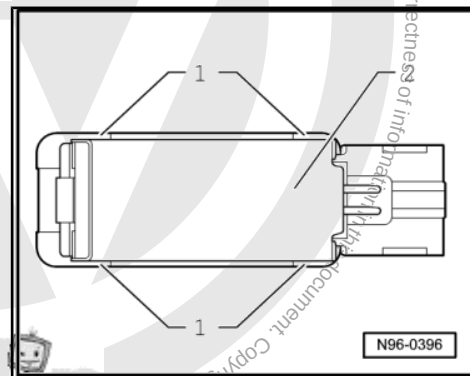


- Release and disconnect the connector -arrow-.

Replacing the Bulb



- Release the tabs -1- and remove the heat shield -2- from the diffusion lens on the Glove Compartment Lamp - W6- .



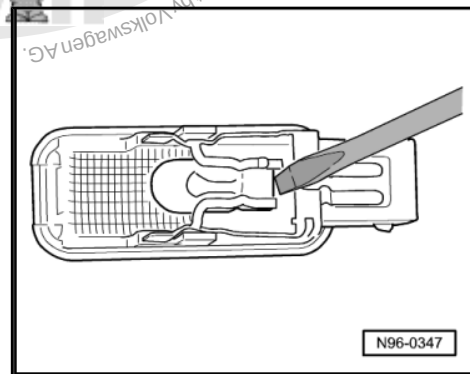
- Carefully pry the bulb out of the socket.

Bulb: 12 V/5 W glass base bulb



Caution

- ◆ **Do not touch the bulb glass when installing a bulb. Fingers will leave traces of grease on the glass which, when the light is switched on, will evaporate and cloud the bulb glass.**



Installing

Install in reverse order of removal. Note the following:

- Make sure the Glove Compartment Lamp Switch - E26- works correctly. The Glove Compartment Lamp - W6- must not come on when the glove compartment is closed.



1.5 Central Locking -Safe- Indicator Lamp - K133- , Removing and Installing

The Central Locking -SAFE- Indicator Lamp - K133- is installed near the exterior rearview mirror in the driver door trim panel.

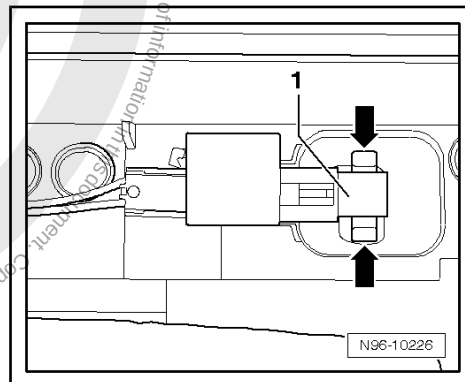


Caution

- ◆ *When removing and installing components in visible area (switches, covers, trim, etc.), cover the areas that will come in contact with a prying tool (Trim Removal Wedge 3409- , screwdriver) with commercially available adhesive tape.*

Removing

- Turn off the ignition and all electrical equipment and remove the ignition key.
- Remove the driver side door trim panel. Refer to ⇒ Body Interior; Rep. Gr. 70 ; Door Trim Panels; Driver Side Front Door Trim Panel, Removing and Installing .
- Press the tabs -arrows- and remove the Central Locking -Safe- Indicator Lamp - K133- -1- from the door trim panel.

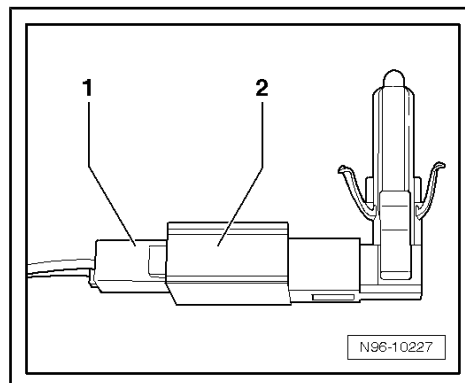


- Release and disconnect the connector -1- from the Central Locking -Safe- Indicator Lamp - K133- -2-.

Installing

Install in reverse order of removal. Note the following:

- Make sure the Central Locking -Safe- Indicator Lamp - K133- engages in the door trim securely.



1.6 Luggage Compartment Lamp - W3- , Removing and Installing

The Luggage Compartment Light - W3- is located in the luggage compartment trim panel on the right side.

Special tools and workshop equipment required

- ◆ Trim Removal Wedge - 3409-

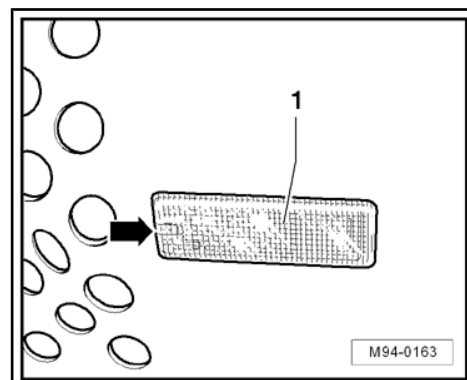


Caution

- ◆ *When removing and installing components in visible area (switches, covers, trim, etc.), cover the areas that will come in contact with a prying tool (Trim Removal Wedge - 3409- , screwdriver) with commercially available adhesive tape.*

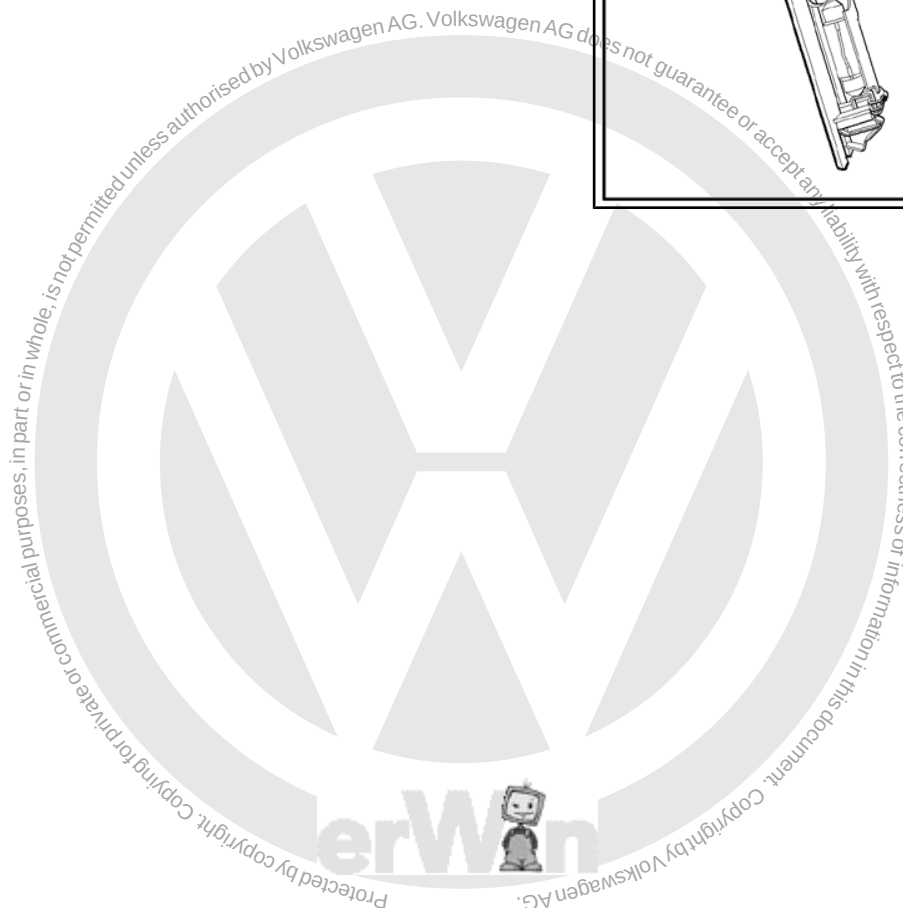
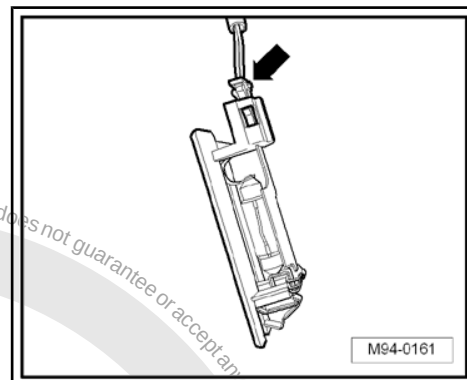
Removing

- Turn off the ignition and all electrical equipment and remove the ignition key.
- Using the Trim Removal Wedge - 3409- , pry the Luggage Compartment Lamp - W3- -1- out of the luggage compartment trim panel -arrow-.



- Release and disconnect the connector -arrow-.

Replacing the Bulb





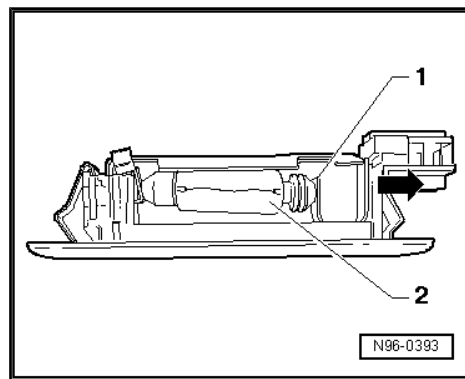
- Press the contact plate -1- on the Luggage Compartment Lamp - W3- toward the outside and remove the bulb -2- from the socket.

Bulbs: 12 V, 10 W tubular bulb



Caution

- ◆ *Do not touch the bulb glass when installing a bulb. Fingers will leave traces of grease on the glass which, when the light is switched on, will evaporate and cloud the bulb glass.*



Installing

Install in reverse order of removal. Note the following:

- Check the functionality of the Luggage Compartment Lamp - W3- .

There may be Luggage Compartment Lamps - W3- with LEDs installed. The Luggage Compartment Lamp - W3- will not function if it is not connected according to the correct polarity.

- Note the polarity.
- ◆ PIN 1 - negative
- ◆ PIN 2 - positive

1.7 Illuminated Vanity Mirror, Removing and Installing

The Front Passenger Vanity Mirror Lamp - W14- / Driver Vanity Mirror Lamp - W20- are removed and installed the same way so the procedure is only described for one of them.

Special tools and workshop equipment required

- ◆ Trim Removal Wedge - 3409-



Caution

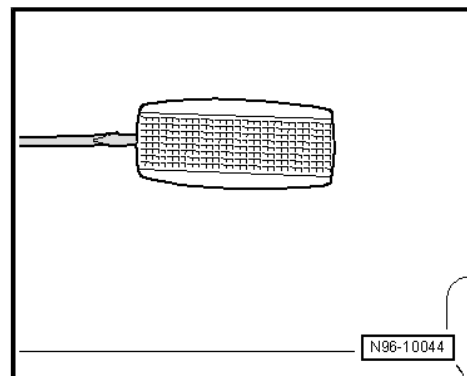
- ◆ *When removing and installing components in visible area (switches, covers, trim, etc.), cover the areas that will come in contact with a prying tool (Trim Removal Wedge - 3409- , screwdriver) with commercially available adhesive tape.*

Removing

- Turn off the ignition and all electrical equipment and remove the ignition key.

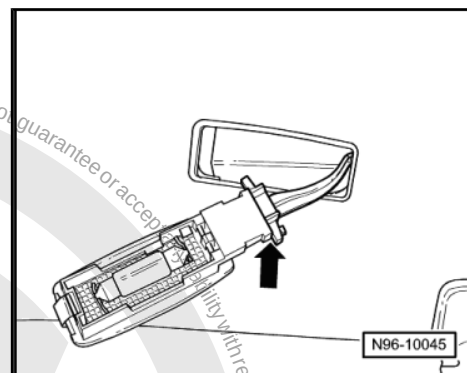


- Carefully pry the Front Passenger Vanity Mirror Lamp - W14- out of the roof trim panel using the Trim Removal Wedge - 3409- .



- Release and disconnect the connector -arrow-.

Replacing the bulb

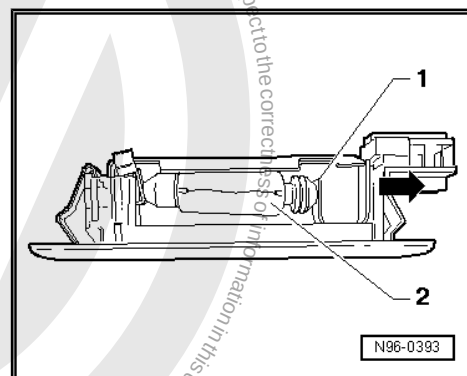


- Press the contact plate -1- in the direction of -arrow- and remove the tubular bulb -2-.

Bulbs: 12 V/5 W tubular bulb

Caution

◆ *Do not touch the bulb glass when installing a bulb. Fingers will leave traces of grease on the glass which, when the light is switched on, will evaporate and cloud the bulb glass.*



Installing

Install in reverse order of removal.

1.8 Front Interior Lamp - W1- Bulb, Replacing

Special tools and workshop equipment required

- ◆ Trim Removal Wedge - 3409-

Caution

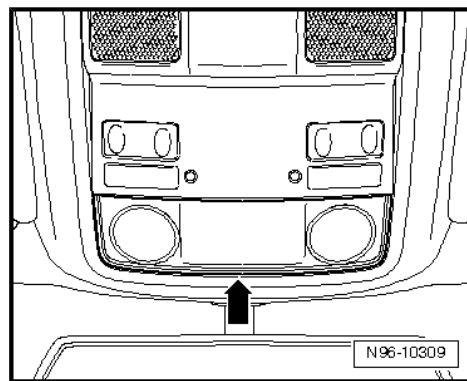
◆ *When removing and installing components in visible area (switches, covers, trim, etc.), cover the areas that will come in contact with a prying tool (Trim Removal Wedge - 3409- , screwdriver) with commercially available adhesive tape.*

Removing

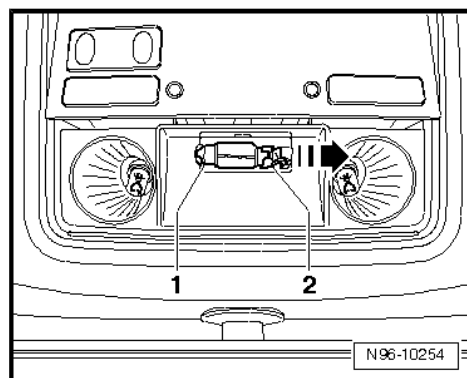
- Turn off the ignition and all electrical equipment and remove the ignition key.



- Carefully pry the diffusion lens out of the Front Interior Lamp - W1- -arrow- using the Trim Removal Wedge - 3409- .



- Push the contact plate -1- of the Front Interior Lamp - W1- to the side -arrow- and remove the bulb -2- with the contact plate from the Front Interior Lamp - W1- .



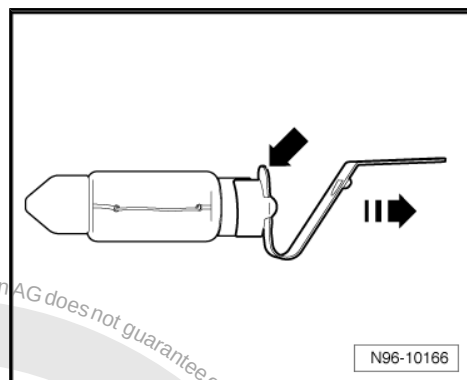
- Remove the contact plate in direction of -arrow- from the faulty bulb.

Bulbs: 12 V, 10 W tubular bulb



Caution

- ◆ *Do not touch the bulb glass when installing a bulb. Fingers will leave traces of grease on the glass which, when the light is switched on, will evaporate and cloud the bulb glass.*



Installing

Install in reverse order of removal.

1.9 Center Reading Lamps, Removing and Installing

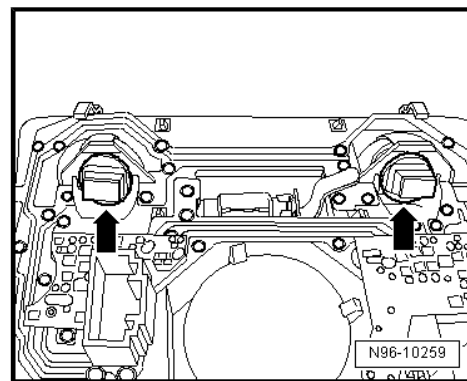
The Left Center Reading Light - W39- / Right Center Reading Light - W40- are removed and installed the same way so the procedure is only described for one of them.

Removing

- Turn off the ignition and all electrical equipment and remove the ignition key.
- Removing the Front Interior Lamp - W1- . Refer to [⇒ "2.29 Front Interior Lamp/Reading Lamp, Removing and Installing", page 295](#) .



- Turn the Left Center Reading Lamp - W39- bulb socket -arrows- 90 degrees to the left.
- Remove the bulb socket and bulb from the Left Center Reading Lamp - W39- .

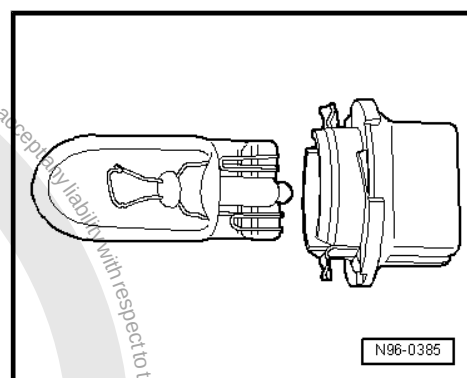


- Carefully pull the bulb out of the socket.

Bulbs: 12 V/5 W glass base bulb

Caution

◆ *Do not touch the bulb glass when installing a bulb. Fingers will leave traces of grease on the glass which, when the light is switched on, will evaporate and cloud the bulb glass.*



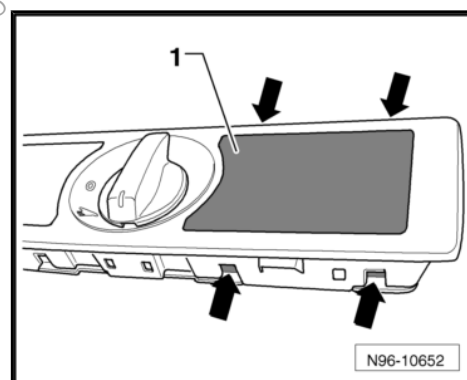
Installing

Install in reverse order of removal.

1.10 Rear Interior Lamp - W43- Bulb, Replacing

Removing

- Turn off the ignition and all electrical equipment and remove the ignition key.
- Remove the Rear Interior Lamp - W43- . Refer to ["2.30.1 Rear Interior Lamp W43 , Removing and Installing", page 297](#) .
- Release the tabs -arrows- on the diffusion lens -1- and remove it straight upward from the Rear Interior Lamp - W43- .





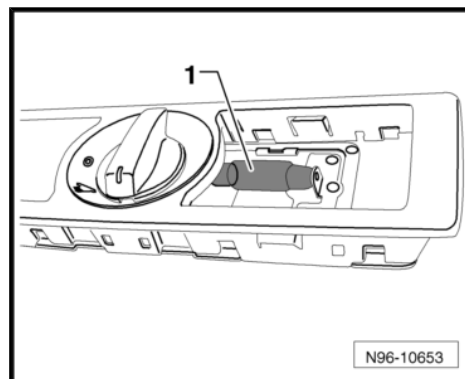
- Remove the bulb -1- from the bulb socket -arrows-.

Bulbs: 12 V/5 W tubular bulb



Caution

- ◆ *Do not touch the bulb glass when installing a bulb. Fingers will leave traces of grease on the glass which, when the light is switched on, will evaporate and cloud the bulb glass.*



Installing

Install in reverse order of removal.







2 Controls

- ⇒ "2.1 Component Location Overview - Instrument Panel Controls", page 269
- ⇒ "2.2 Component Location Overview - Controls in Front Doors", page 270
- ⇒ "2.3 Component Location Overview - Controls in Rear Doors", page 271
- ⇒ "2.4 Component Location Overview - Controls in Center Console", page 272
- ⇒ "2.5 Component Location Overview - Controls in Roof Trim Panel", page 273
- ⇒ "2.6 Light Switch E1 , Removing and Installing", page 273
- ⇒ "2.7 Instrument Panel and Switch Illumination Dimmer Switch E20 , Removing and Installing", page 275
- ⇒ "2.9 Tire Pressure Monitoring Display Button E492 , Removing and Installing", page 277
- ⇒ "2.10 Rear Center Interior Locking Switch E286 , Removing and Installing", page 277
- ⇒ "2.11 Driver Interior Locking Button E308 , Removing and Installing", page 278
- ⇒ "2.12 Front Passenger Interior Locking Button E309 , Removing and Installing", page 279
- ⇒ "2.13 Fuel Filler Door/Rear Lid Remote Release Button E463 , Removing and Installing", page 280
- ⇒ "2.14 Start/Stop Mode Button E693 , Removing and Installing", page 281
- ⇒ "2.15 ASR/ESP Button E256 , Removing and Installing", page 282
- ⇒ "2.16 Parking Aid Button E266 , Removing and Installing", page 283
- ⇒ "2.17 Start System Button E378 , Removing and Installing", page 285
- ⇒ "2.18 Electrical Drive Button E656 , Removing and Installing, High-Voltage Vehicle", page 286
- ⇒ "2.19 Front Passenger Airbag -Disabled- Indicator Lamp K145 , Removing and Installing", page 287
- ⇒ "2.20 Emergency Flasher Button E229 , Removing and Installing", page 288
- ⇒ "2.21 Glove Compartment Lamp Switch E26 , Removing and Installing", page 289
- ⇒ "2.22 Mirror Adjustment Switch E43 , Removing and Installing", page 289
- ⇒ "2.23 Power Window Control Head in Driver Door E512 , Removing and Installing", page 290
- ⇒ "2.24 Front Passenger Door Window Regulator Switch E107 , Removing and Installing", page 291
- ⇒ "2.25 Interior Monitoring Deactivation Switch E267 , Removing and Installing", page 292
- ⇒ "2.27 Rear Lid Contact Switch, Removing and Installing", page 294



⇒ ["2.28 Sunroof Tilt Button 1 E582 , Removing and Installing", page 294](#)

⇒ ["2.29 Front Interior Lamp/Reading Lamp, Removing and Installing", page 295](#)

⇒ ["2.30 Rear Interior Lamp/Reading Lamp, Removing and Installing", page 297](#)

⇒ ["2.31 Garage Door Opener Control Head E284 , Removing and Installing", page 298](#)

2.1 Component Location Overview - Instrument Panel Controls

1 - Tire Pressure Monitoring Display Button - E492-

- ❑ Removing and installing. Refer to
⇒ ["2.9 Tire Pressure Monitoring Display Button E492 , Removing and Installing", page 277](#) .

2 - Front Passenger Airbag Deactivation Key Switch - E224-

- ❑ Removing and installing. Refer to
⇒ ["2.8 Front Passenger Airbag Deactivation Key Switch E224 , Removing and Installing", page 276](#) .

3 - Light Switch - E1-

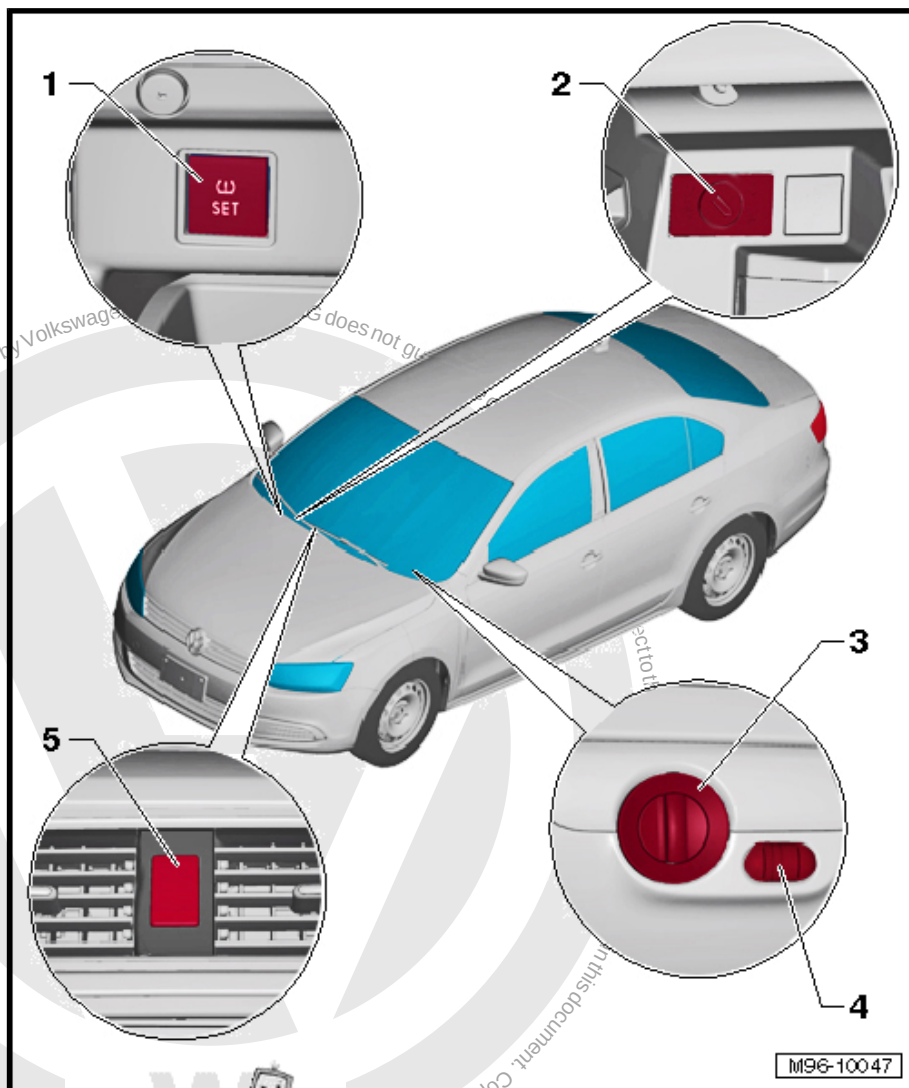
- ❑ Removing and installing. Refer to
⇒ ["2.6 Light Switch E1 , Removing and Installing", page 273](#) .

4 - Instrument Panel and Switch Illumination Dimmer Switch - E20-

- ❑ Removing and installing. Refer to
⇒ ["2.7 Instrument Panel and Switch Illumination Dimmer Switch E20 , Removing and Installing", page 275](#) .

5 - Emergency Flasher Button - E229-

- ❑ Removing and installing. Refer to ⇒ ["2.20 Emergency Flasher Button E229 , Removing and Installing", page 288](#) .





2.2 Component Location Overview - Controls in Front Doors

1 - Front Passenger Interior Locking Button - E309-

- ❑ Cover screws: 2 Nm
- ❑ Removing and installing. Refer to
⇒ ["2.12 Front Passenger Interior Locking Button E309, Removing and Installing"](#), page 279 .

2 - Front Passenger Door Window Regulator Switch - E107-

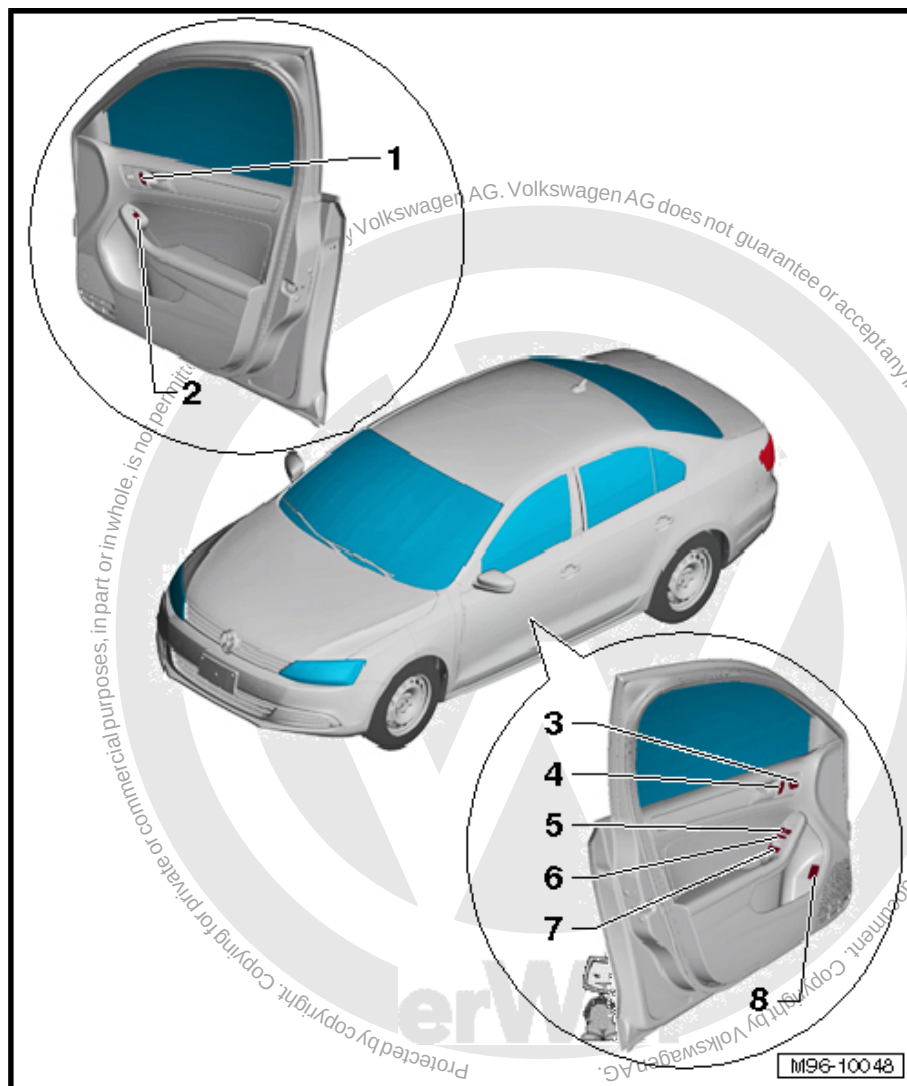
- ❑ Removing and installing. Refer to
⇒ ["2.24 Front Passenger Door Window Regulator Switch E107, Removing and Installing"](#), page 291 .

3 - Mirror Adjusting Switch - E43-

- ❑ Removing and installing. Refer to
⇒ ["2.22 Mirror Adjusting Switch E43, Removing and Installing"](#), page 289 .

4 - Driver Interior Locking Button - E308-

- ❑ Cover screws: 2 Nm
- ❑ Removing and installing. Refer to
⇒ ["2.11 Driver Interior Locking Button E308, Removing and Installing"](#), page 278 .



5 - Left Front Window Regulator Switch - E40- / Right Front Power Window Switch in Driver Door - E81-

- ❑ Removing and installing. Refer to
⇒ ["2.23 Power Window Control Head in Driver Door E512, Removing and Installing"](#), page 290 .

6 - Child Safety Lock Button - E318-

- ❑ Removing and installing. Refer to
⇒ ["2.23 Power Window Control Head in Driver Door E512, Removing and Installing"](#), page 290 .

7 - Left Rear Window Regulator Switch in Driver Door - E53- / Right Rear Window Regulator Switch in Driver Door - E55-

- ❑ Removing and installing. Refer to
⇒ ["2.23 Power Window Control Head in Driver Door E512, Removing and Installing"](#), page 290 .

8 - Fuel Filler Door/Rear Lid Remote Release Button - E463-

- ❑ Removing and installing. Refer to
⇒ ["2.13 Fuel Filler Door/Rear Lid Remote Release Button E463, Removing and Installing"](#), page 280 .



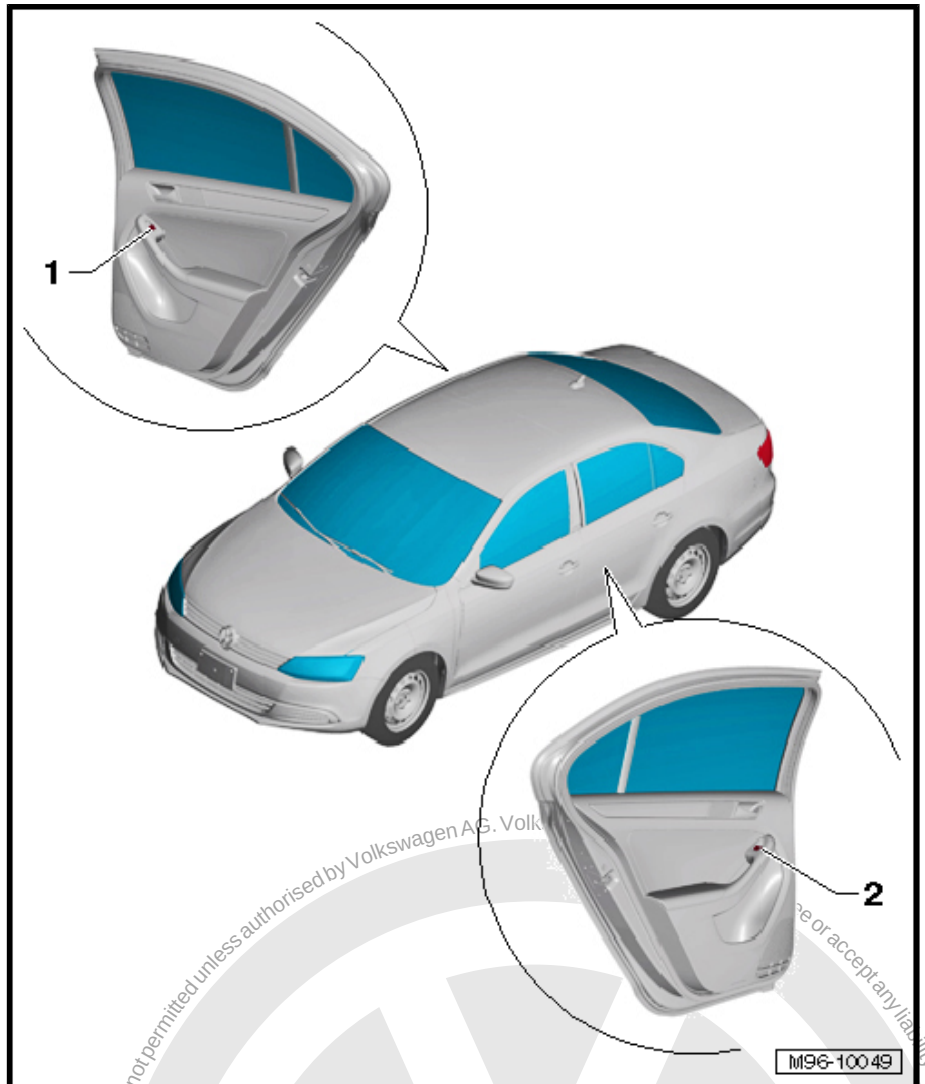
2.3 Component Location Overview - Controls in Rear Doors

1 - Right Rear Window Switch in Right Rear Door - E54-

- ❑ Removing and installing. Refer to
⇒ ["2.26 Rear Door Window Regulator Switch, Removing and Installing", page 293](#).

2 - Left Rear Power Window Switch in Left Rear Door - E52-

- ❑ Removing and installing. Refer to
⇒ ["2.26 Rear Door Window Regulator Switch, Removing and Installing", page 293](#).



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2.4 Component Location Overview - Controls in Center Console

1 - Electrical Drive Button - E656- / Start/Stop Mode Button - E693-

- ❑ Electrical Drive Button - E656-, removing and installing. Refer to ➔ [“2.18 Electrical Drive Button E656, Removing and Installing, High-Voltage Vehicle”, page 286](#).
- ❑ Start/Stop Mode Button - E693-, removing and installing. Refer to ➔ [“2.14 Start/Stop Mode Button E693, Removing and Installing”, page 281](#).

2 - Parking Aid Button - E266-

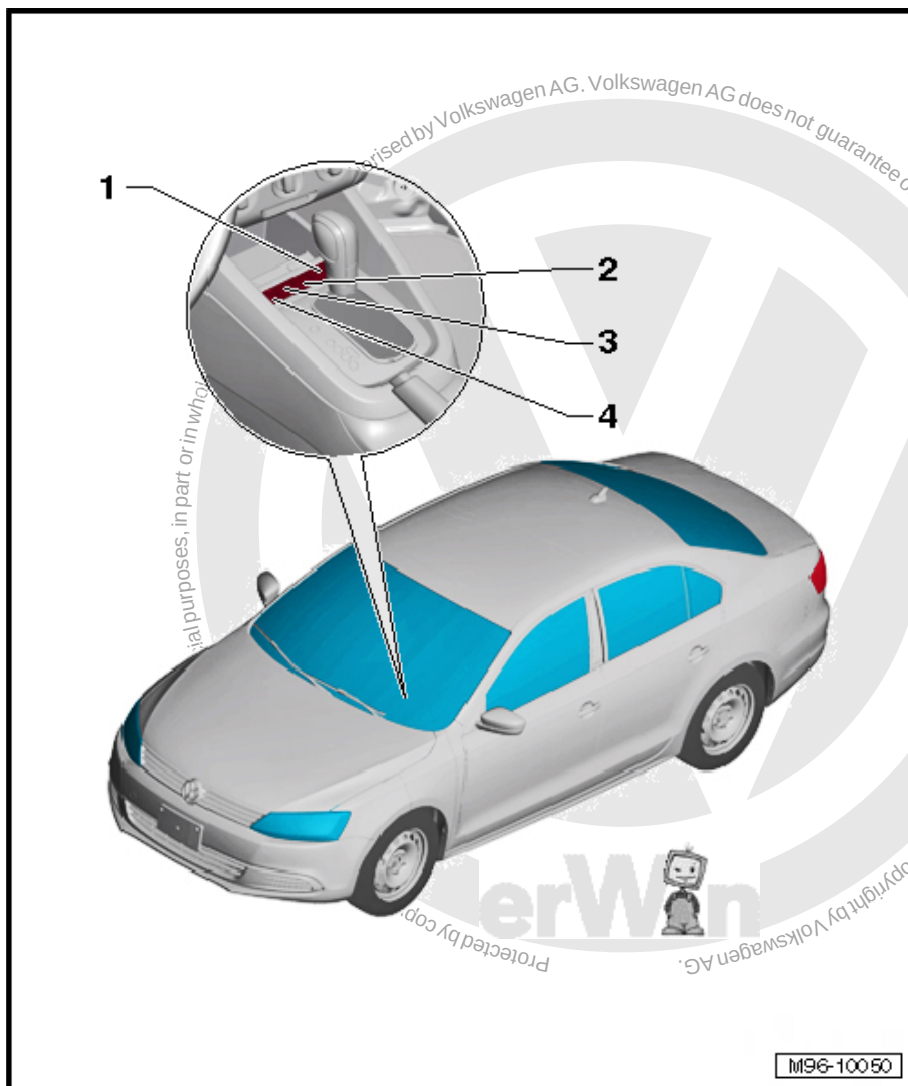
- ❑ Removing and installing. Refer to ➔ [“2.16 Parking Aid Button E266, Removing and Installing”, page 283](#).

3 - ASR/ESP Button - E256-

- ❑ Removing and installing. Refer to ➔ [“2.15 ASR/ESP Button E256, Removing and Installing”, page 282](#).

4 - Start System Button - E378-

- ❑ Removing and installing. Refer to ➔ [“2.17 Start System Button E378, Removing and Installing”, page 285](#).



No Illustration

- ◆ Frame screws: 2 Nm



2.5 Component Location Overview - Controls in Roof Trim Panel

1 - Front Interior Lamp - W1-

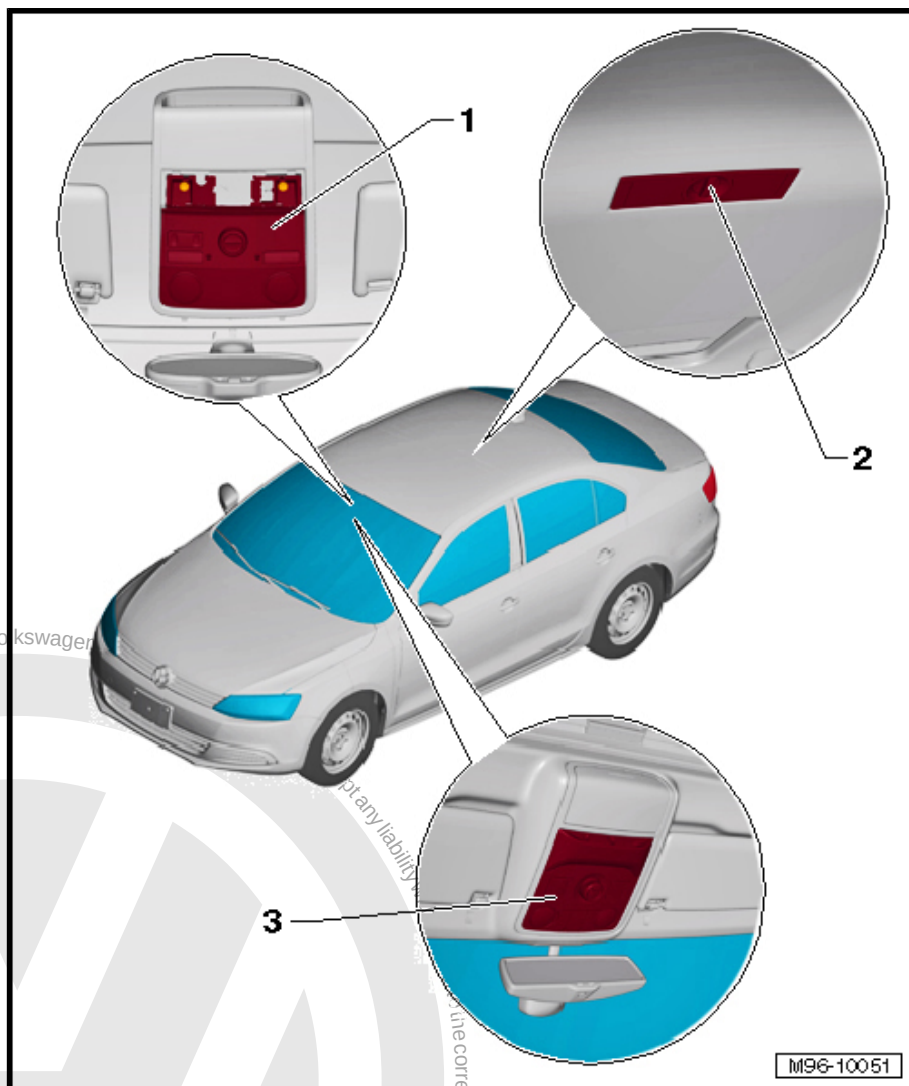
- ❑ Screws: 2 Nm
- ❑ Removing and installing. Refer to
⇒ ["2.29 Front Interior Lamp/Reading Lamp, Removing and Installing", page 295](#).

2 - Rear Interior Lamp - W43-

- ❑ Removing and installing. Refer to
⇒ ["2.30.1 Rear Interior Lamp W43, Removing and Installing", page 297](#).

3 - Sunroof Tilt Button 1 - E582-

- ❑ Removing and installing. Refer to
⇒ ["2.28 Sunroof Tilt Button 1 E582, Removing and Installing", page 294](#).



2.6 Light Switch - E1- , Removing and Installing

The Light Switch - E1- Has the Following Components:

- ◆ Light Switch - E1-
- ◆ Fog Lamp Switch - E7-
- ◆ Rear Fog Lamp Switch - E18-
- ◆ Headlamp Switch Illumination Bulb - L9-



Caution

- ◆ *When removing and installing components in visible area (switches, covers, trim, etc.), cover the areas that will come in contact with a prying tool (Trim Removal Wedge - 3409-, screwdriver) with commercially available adhesive tape.*

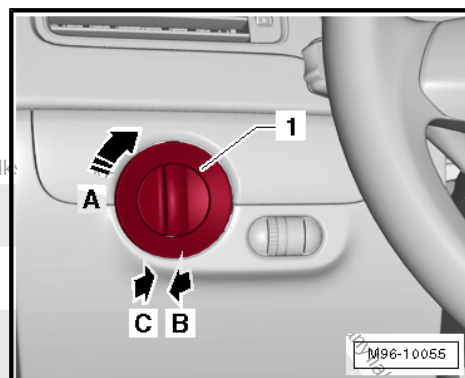


Removing

- Turn off the ignition and all electrical equipment and remove the ignition key.

The Light Switch - E1- may be checked using the before removing. Refer to ➔ [“2.6.1 Light Switch E1 , Checking”, page 274](#) .

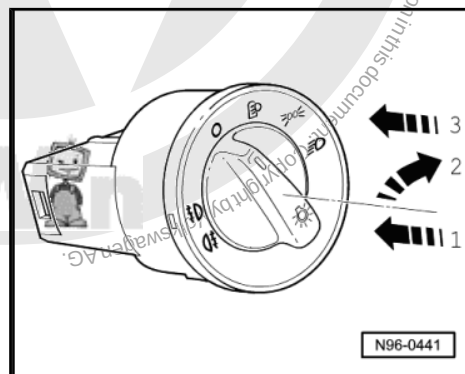
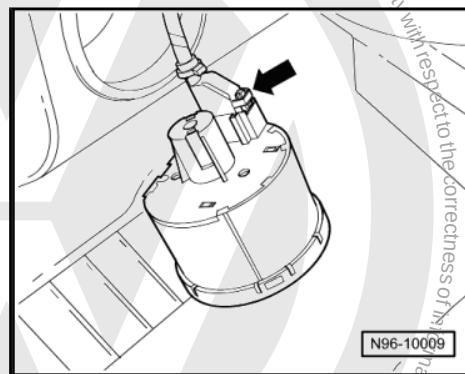
- Turn the Light Switch - E1- to “0”.
- Push the handle on the Light Switch - E1- -1- in -arrow C- and then turn it slightly to the right in direction of -arrow A-.
- Hold the rotary handle in this position and remove the Light Switch - E1--1- at the rotary handle from the instrument panel -arrow B-.



- Release and disconnect the connector -arrow-.

Installing

- Connect the connector.
- Hold Light Switch - E1- firmly and press in rotary handle of Light Switch - E1- in direction of -arrow 1- and turn slightly toward right in direction of -arrow 2-.
- Hold the rotary handle in this position and insert the Light Switch - E1- into the instrument panel in direction of -arrow 3-.
- Turn the rotary switch to the “0” position, release it and engage the Light Switch - E1- .



2.6.1 Light Switch - E1- , Checking

Procedure

- Connect the Vehicle Diagnostic Tester .
- Select the Guided Fault Finding mode.
- Use the GO TO button to select the “function/component selection” and the following menu options one after the other:
 - ◆ Body
 - ◆ Electrical Equipment



- ◆ 01 - OBD-capable systems
- ◆ 09 - Vehicle Electrical System Control Module J519
- ◆ Electrical Components
- ◆ E1 Headlamp switch

2.7 Instrument Panel and Switch Illumination Dimmer Switch - E20- , Removing and Installing



Caution

- ◆ *When removing and installing components in visible area (switches, covers, trim, etc.), cover the areas that will come in contact with a prying tool (Trim Removal Wedge - 3409- , screwdriver) with commercially available adhesive tape.*

Removing

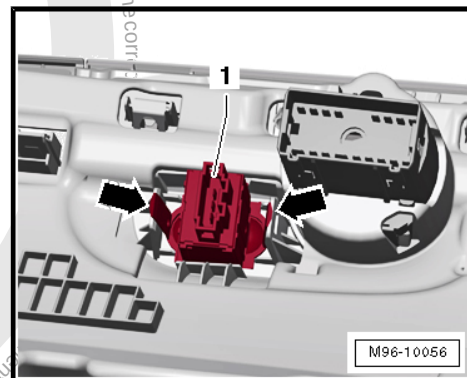
- Turn off the ignition and all electrical equipment and remove the ignition key.

The Instrument Panel and Switch Illumination Dimmer Switch - E20- may be checked before removing. Refer to ⇒ [“2.7.1 Instrument Panel and Switch Illumination Dimmer Switch E20 , Checking”, page 275](#) .

- Remove the instrument panel cover on the driver side. Refer to ⇒ Body Interior; Rep. Gr. 68 ; Storage Compartments and Covers; Driver Side Instrument Panel Cover, Removing and Installing .
- Release and disconnect the connector.
- Open the tabs -arrows- and remove the Instrument Panel and Switch Illumination Dimmer Switch - E20- -1-.

Installing

Install in reverse order of removal.



2.7.1 Instrument Panel and Switch Illumination Dimmer Switch - E20- , Checking

Procedure

- Connect the Vehicle Diagnostic Tester .
- Select the **Guided Fault Finding** mode.
- Use the **GO TO** button to select the “function/component selection” and the following menu options one after the other:
 - ◆ Body
 - ◆ Electrical Equipment
 - ◆ 01 - OBD-capable systems



- ◆ 09 - Vehicle Electrical System Control Module J519
- ◆ Electrical Components
- ◆ E20 Instrument panel illumination dimmer switch

2.8 Front Passenger Airbag Deactivation Key Switch - E224- , Removing and Installing

The Front Passenger Airbag Deactivation Key Switch - E224- -1- is inside the glove compartment.

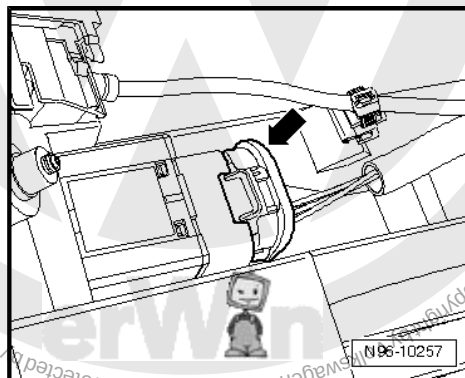
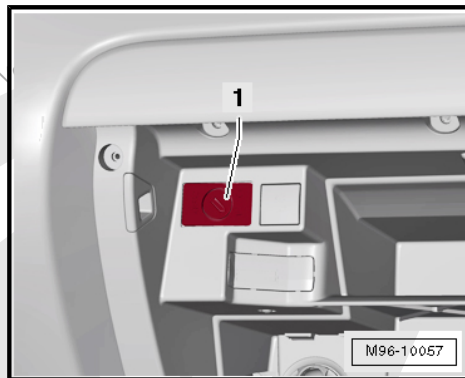


WARNING

Follow all safety precautions when working on airbags. Refer to ⇒ Body Interior; Rep. Gr. 00 ; Safety Precautions; Safety Precautions for Pyrotechnic Components .

Removing

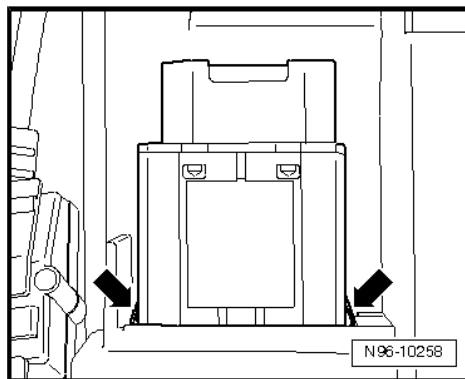
- Turn off the ignition and all electrical equipment and remove the ignition key.
- Remove the glove compartment. Refer to ⇒ Body Interior; Rep. Gr. 68 ; Storage Compartments and Covers; Glove Compartment, Removing and Installing .
- Release and disconnect the connector -arrow-.



- Open the tabs -arrows- and remove the Front Passenger Airbag Deactivation Key Switch - E224- .

Installing

Install in reverse order of removal.





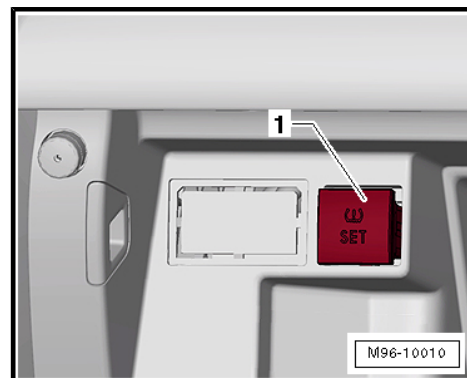
2.9 Tire Pressure Monitoring Display Button - E492- , Removing and Installing

The Tire Pressure Monitoring Display Button - E492- -1- is located in the glove compartment.



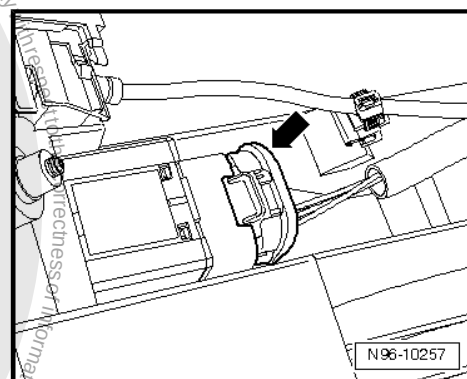
Caution

- ◆ *When removing and installing components in visible area (switches, covers, trim, etc.), cover the areas that will come in contact with a prying tool (Trim Removal Wedge - 3409- , screwdriver) with commercially available adhesive tape.*



Removing

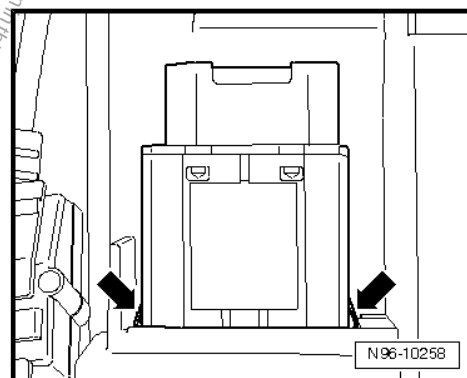
- Turn off the ignition and all electrical equipment and remove the ignition key.
- Remove the glove compartment. Refer to ⇒ Body Interior; Rep. Gr. 68 ; Storage Compartments and Covers; Glove Compartment, Removing and Installing .
- Release and disconnect the connector -arrow-.



- Release the tabs -arrows- and remove the Tire Pressure Monitoring Display Button - E492- .

Installing

Install in reverse order of removal.



2.10 Rear Center Interior Locking Switch - E286- , Removing and Installing



Caution

- ◆ *When removing and installing components in visible area (switches, covers, trim, etc.), cover the areas that will come in contact with a prying tool (Trim Removal Wedge - 3409- , screwdriver) with commercially available adhesive tape.*

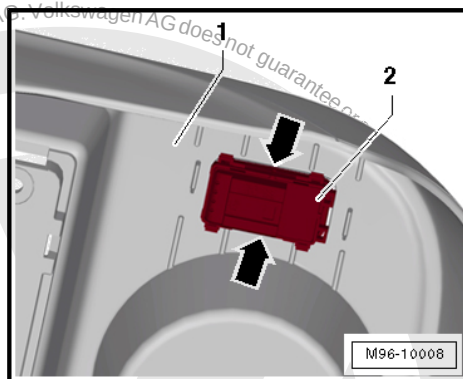


Removing

- Turn off the ignition and all electrical equipment and remove the ignition key.
- Remove the center console. Refer to ⇒ Body Interior; Rep. Gr. 68 ; Center Console .
- Release and disconnect the connector.
- Release the retaining tabs -arrows- and remove the Rear Center Interior Locking Switch - E286- -2- from the center console -1-.

Installing

Install in reverse order of removal.



2.11 Driver Interior Locking Button - E308- , Removing and Installing

The Push Button Illumination Bulb - L76- is integrated in the Driver Interior Locking Button - E308- and cannot be replaced separately.

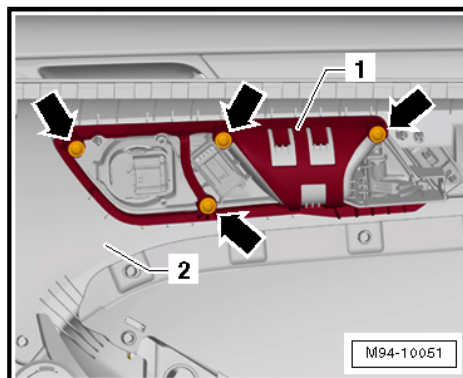


Caution

- ◆ *When removing and installing components in visible area (switches, covers, trim, etc.), cover the areas that will come in contact with a prying tool (Trim Removal Wedge - 3409- , screwdriver) with commercially available adhesive tape.*

Removing

- Turn off the ignition and all electrical equipment and remove the ignition key.
- Remove the driver side door trim panel. Refer to ⇒ Body Interior; Rep. Gr. 70 ; Door Trim Panels; Driver Side Front Door Trim Panel, Removing and Installing .
- Release and disconnect the connectors.
- Remove the screws -arrows- and remove the cover -1- from the door trim panel -2-.





- Release the tabs -arrows- and remove the Driver Interior Locking Button - E308- -1- from the door trim panel -2-.

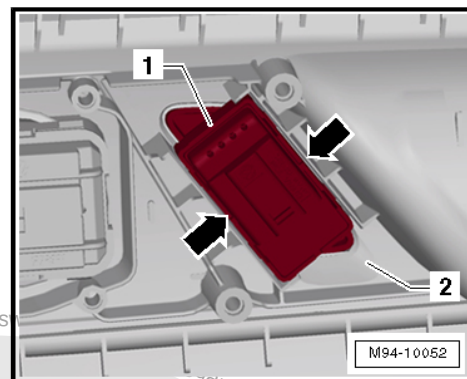
Installing

Install in reverse order of removal.

- Tighten the threaded connections to the tightening specification.

Tightening Specifications

- ◆ Refer to
⇒ ["2.2 Component Location Overview - Controls in Front Doors", page 270](#)



2.12 Front Passenger Interior Locking Button - E309- , Removing and Installing

The Push Button Illumination Bulb - L76- is integrated in the Front Passenger Interior Locking Button - E309- and cannot be replaced separately.

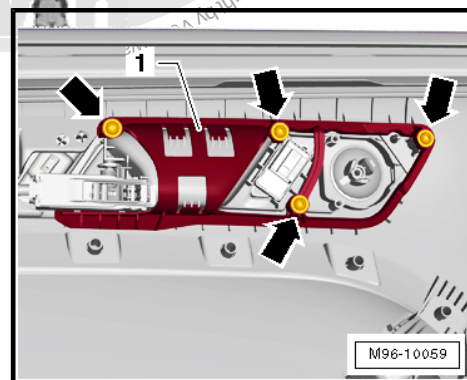


Caution

- ◆ *When removing and installing components in visible area (switches, covers, trim, etc.), cover the areas that will come in contact with a prying tool (Trim Removal Wedge - 3409- , screwdriver) with commercially available adhesive tape.*

Removing

- Turn off the ignition and all electrical equipment and remove the ignition key.
- Remove the passenger side door trim panel. Refer to ⇒ Body Interior; Rep. Gr. 70 ; Door Trim Panels; Passenger Side Front Door Trim, Removing and Installing .
- Release and disconnect the connectors.
- Remove the screws -arrows- and remove the cover -1- from the door trim panel -2-.





- Release the tabs -arrows- and remove the Front Passenger Interior Locking Button - E309- -1- from the door trim panel.

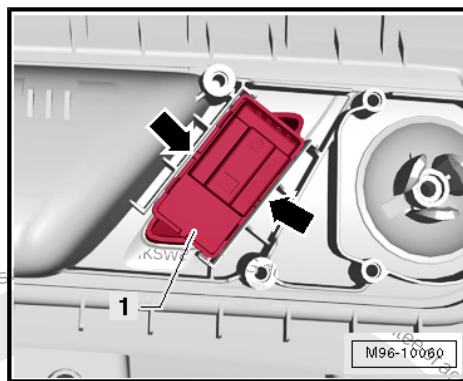
Installing

Install in reverse order of removal.

- Tighten the threaded connections to the tightening specification.

Tightening Specifications

- ◆ Refer to
⇒ [“2.2 Component Location Overview - Controls in Front Doors”, page 270](#)



2.13 Fuel Filler Door/Rear Lid Remote Release Button - E463- , Removing and Installing

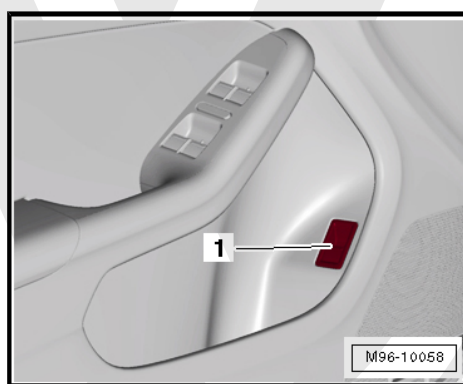
The Fuel Filler Door/Rear Lid Remote Release Button - E463- -1- is located inside the driver side door trim panel at the bottom.

The Push Button Illumination Bulb - L76- is integrated in the Fuel Filler Door/Rear Lid Remote Release Button - E463- and cannot be replaced separately.



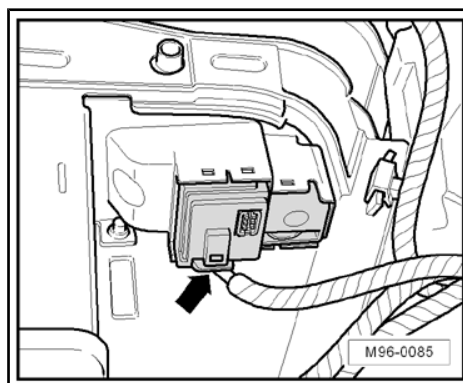
Caution

- ◆ *When removing and installing components in visible area (switches, covers, trim, etc.), cover the areas that will come in contact with a prying tool (Trim Removal Wedge - 3409- , screwdriver) with commercially available adhesive tape.*



Removing

- Turn off the ignition and all electrical equipment and remove the ignition key.
- Remove the driver side door trim panel. Refer to ⇒ Body Interior; Rep. Gr. 70 ; Door Trim Panels; Driver Side Front Door Trim Panel, Removing and Installing .
- Release and disconnect the connector -arrow-.

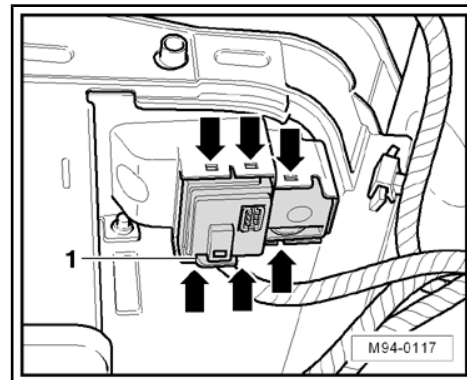




- Release the tabs -arrows- and remove the Fuel Filler Door/ Rear Lid Remote Release Button - E463- from the door trim panel.

Installing

Install in reverse order of removal.



2.14 Start/Stop Mode Button - E693- , Removing and Installing

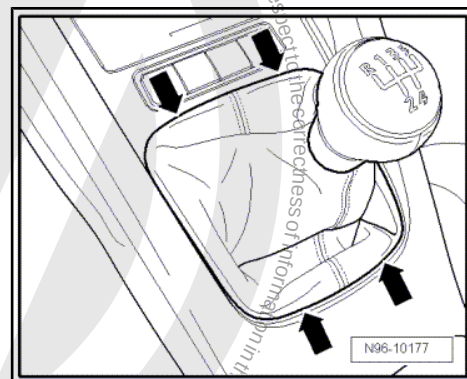


Caution

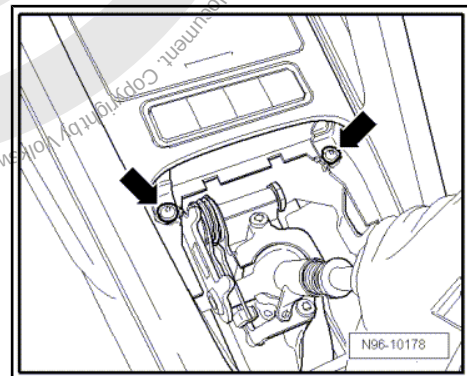
- ◆ *When removing and installing components in visible area (switches, covers, trim, etc.), cover the areas that will come in contact with a prying tool (Trim Removal Wedge - 3409- , screwdriver) with commercially available adhesive tape.*

Removing

- Turn off the ignition and all electrical equipment and remove the ignition key.
- Carefully pry the selector lever boot out of the center console -arrows-.

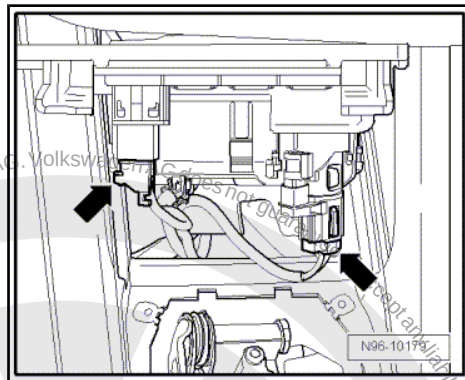


- Remove the bolts -arrows-.
- Remove the ashtray from the center console.





- Release and disconnect the connectors -arrows-.



- Release the tabs -arrows- and remove the Start/Stop Mode Button - E693- from the frame.

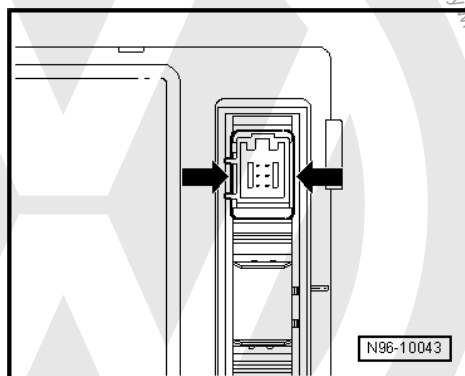
Installing

Install in reverse order of removal.

- Tighten the threaded connections to the tightening specification.

Tightening Specifications

- ♦ Refer to
⇒ [“2.4 Component Location Overview - Controls in Center Console”, page 272](#)



2.15 ASR/ESP Button - E256- , Removing and Installing

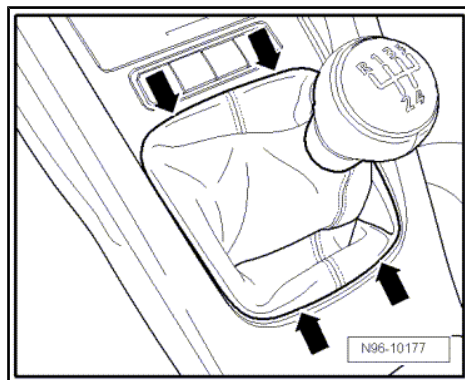


Caution

- ♦ *When removing and installing components in visible area (switches, covers, trim, etc.), cover the areas that will come in contact with a prying tool (Trim Removal Wedge - 3409- , screwdriver) with commercially available adhesive tape.*

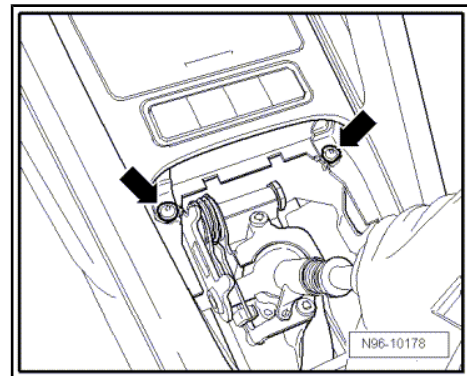
Removing

- Turn off the ignition and all electrical equipment and remove the ignition key.
- Carefully pry the selector lever boot out of the center console -arrows-.

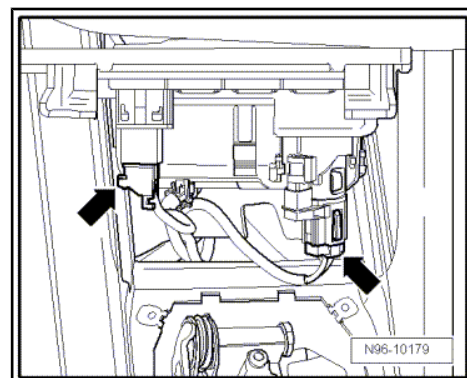




- Remove the bolts -arrows-.
- Remove the ashtray from the center console.



- Release and disconnect the connectors -arrows-.



- Release the tabs -arrows- and remove the ASR/ESP Button - E256- from the frame.

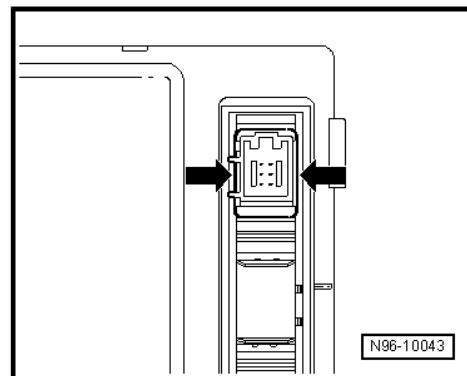
Installing

Install in reverse order of removal.

- Tighten the threaded connections to the tightening specification.

Tightening Specifications

- ◆ Refer to
⇒ ["2.4 Component Location Overview - Controls in Center Console", page 272](#)



2.16 Parking Aid Button - E266- , Removing and Installing



Caution

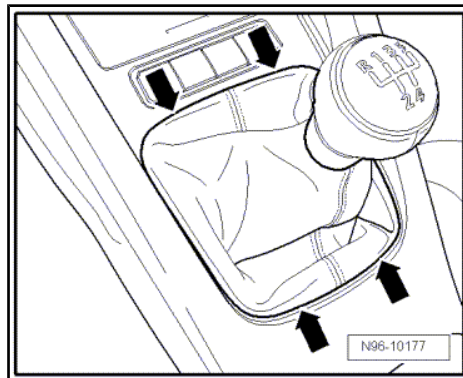
- ◆ *When removing and installing components in visible area (switches, covers, trim, etc.), cover the areas that will come in contact with a prying tool (Trim Removal Wedge - 3409- , screwdriver) with commercially available adhesive tape.*

Removing

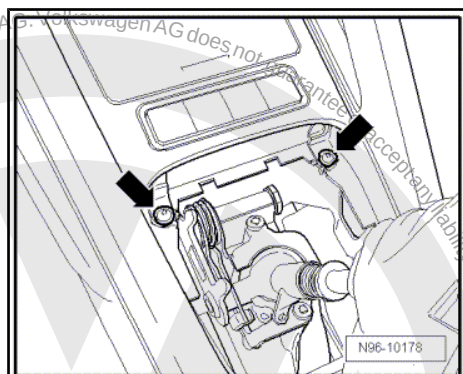
Turn off the ignition and all electrical equipment and remove the ignition key.



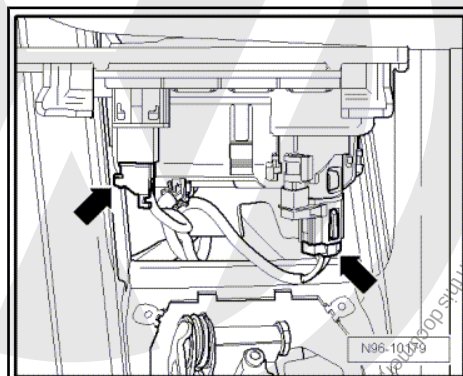
- Carefully pry the selector lever boot out of the center console -arrows-.



- Remove the bolts -arrows-.
- Remove the ashtray from the center console.



- Release and disconnect the connectors -arrows-.



- Release the tabs -arrows- and remove the Parking Aid Button - E266- from the frame.

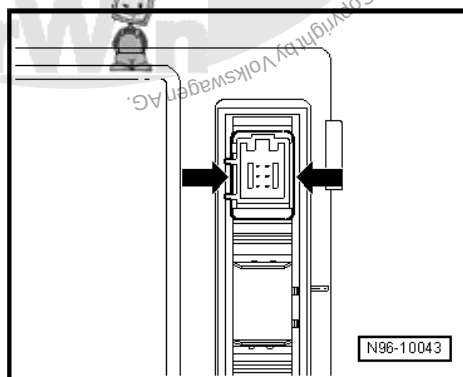
Installing

Install in reverse order of removal.

- Tighten the threaded connections to the tightening specification.

Tightening Specifications

- ◆ Refer to
⇒ ["2.4 Component Location Overview - Controls in Center Console", page 272](#)





2.17 Start System Button - E378- , Removing and Installing

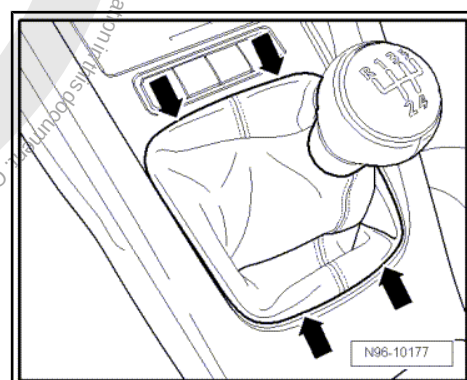


Caution

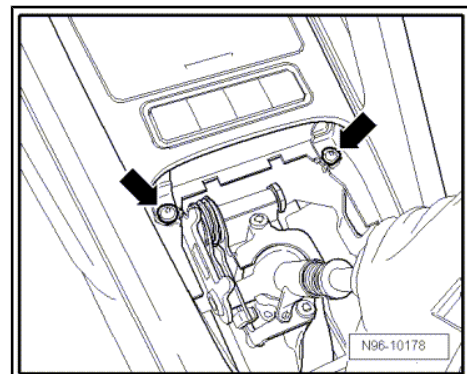
- ◆ *When removing and installing components in visible area (switches, covers, trim, etc.), cover the areas that will come in contact with a prying tool (Trim Removal Wedge - 3409- , screwdriver) with commercially available adhesive tape.*

Removing

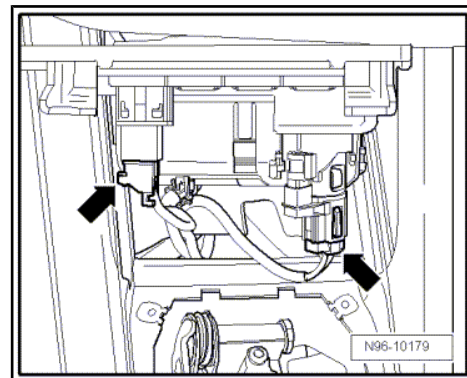
- Turn off the ignition and all electrical equipment and remove the ignition key.
- Carefully pry the selector lever boot out of the center console -arrows-.



- Remove the bolts -arrows-.
- Remove the ashtray from the center console.



- Release and disconnect the connectors -arrows-.





- Release the tabs -arrows- and remove the Start System Button - E378- from the frame.

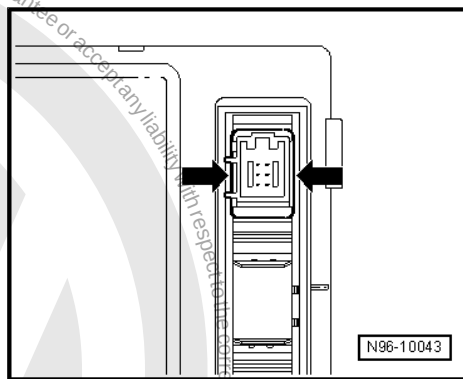
Installing

Install in reverse order of removal.

- Tighten the threaded connections to the tightening specification.

Tightening Specifications

- ◆ Refer to
⇒ [“2.4 Component Location Overview - Controls in Center Console” page 272](#)



2.18 Electrical Drive Button - E656- , Removing and Installing, High-Voltage Vehicle

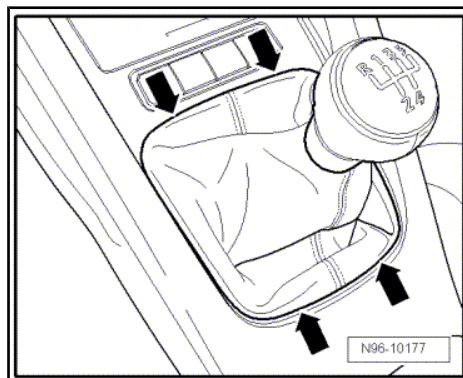


Caution

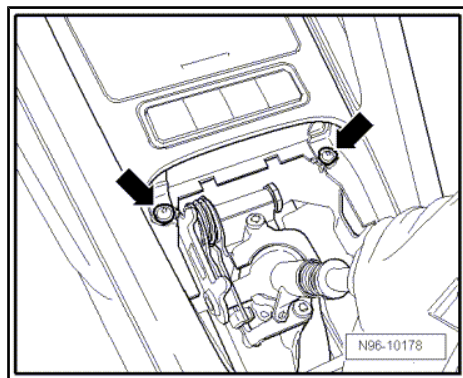
- ◆ *When removing and installing components in visible area (switches, covers, trim, etc.), cover the areas that will come in contact with a prying tool (Trim Removal Wedge - 3409- , screwdriver) with commercially available adhesive tape.*

Removing

- Turn off the ignition and all electrical equipment and remove the ignition key.
- Carefully pry the selector lever boot out of the center console -arrows-.

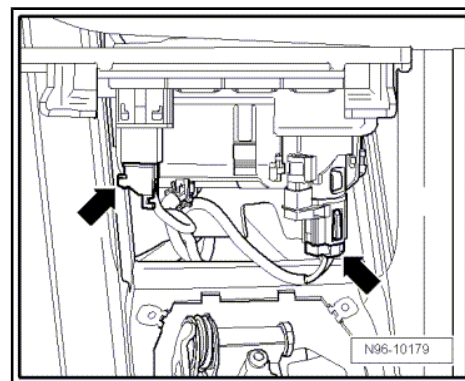


- Remove the bolts -arrows-.
- Remove the ashtray from the center console.





- Release and disconnect the connectors -arrows-.



- Release the tabs -arrows- and remove the Electrical Drive Button - E656- from the frame.

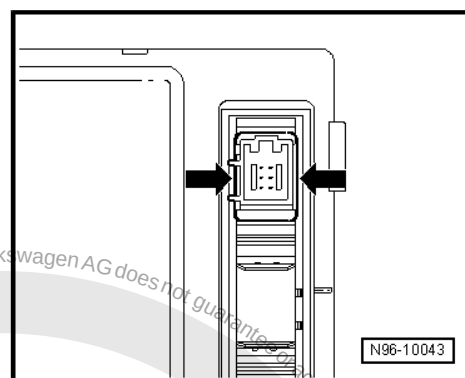
Installing

Install in reverse order of removal.

- Tighten the threaded connections to the tightening specification.

Tightening Specifications

- ◆ Refer to
⇒ ["2.4 Component Location Overview - Controls in Center Console", page 272](#)



2.19 Front Passenger Airbag -Disabled- Indicator Lamp - K145- , Removing and Installing



WARNING

Follow all safety precautions when working on airbags. Refer to ⇒ Body Interior; Rep. Gr. 00 ; Safety Precautions; Safety Precautions for Pyrotechnic Components .



Caution

- ◆ *When removing and installing components in visible area (switches, covers, trim, etc.), cover the areas that will come in contact with a prying tool (Trim Removal Wedge - 3409- , screwdriver) with commercially available adhesive tape.*

Removing

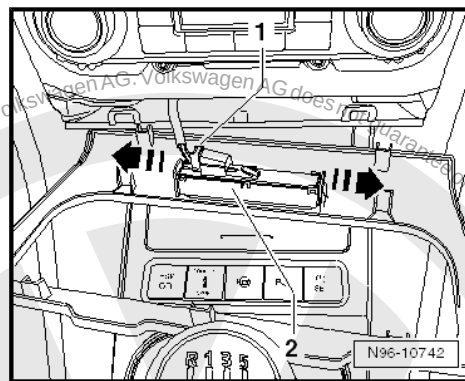
- Turn off the ignition and all electrical equipment and remove the ignition key.
- Remove the instrument panel center trim. Refer to ⇒ Body Interior; Rep. Gr. 70 ; Instrument Panel .
- Release and disconnect the connector -1-.



- Press the locking mechanisms away from each other in direction of -arrow- and remove the Front Passenger Airbag - Disabled- Indicator Lamp - K145- -2- from the trim frame.

Installing

Install in reverse order of removal.



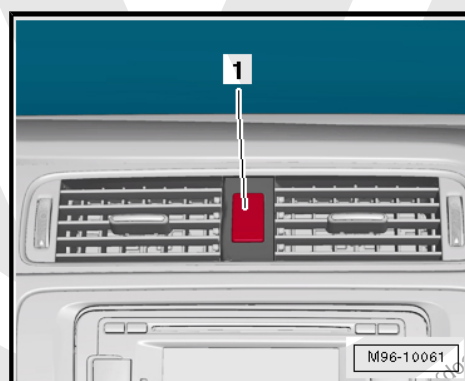
2.20 Emergency Flasher Button - E229- , Removing and Installing

The Emergency Flasher Button - E229- -1- is located in the center of the instrument panel between the vents.



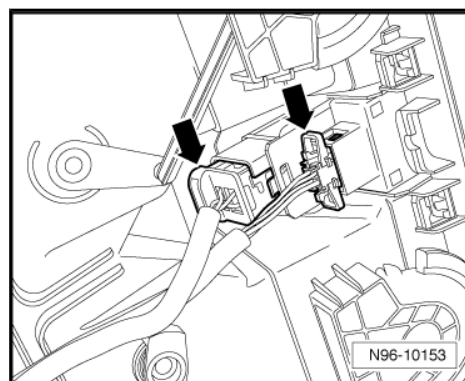
Caution

- ◆ *When removing and installing components in visible area (switches, covers, trim, etc.), cover the areas that will come in contact with a prying tool (Trim Removal Wedge - 3409- , screwdriver) with commercially available adhesive tape.*



Removing

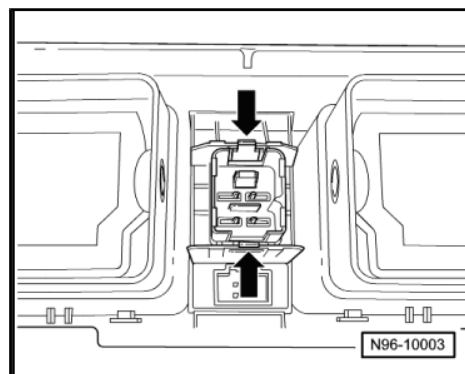
- Turn off the ignition and all electrical equipment and remove the ignition key.
- Remove the center vent. Refer to ⇒ Heating, Ventilation and Air Conditioning; Rep. Gr. 80 ; Heating, Servicing; Vents, Removing, Jetta from MY 2011 .
- Release and disconnect the connectors -arrows-.



- Release the tabs -arrows- and remove the Emergency Flasher Button - E229- .

Installing

Install in reverse order of removal.





2.21 Glove Compartment Lamp Switch - E26- , Removing and Installing

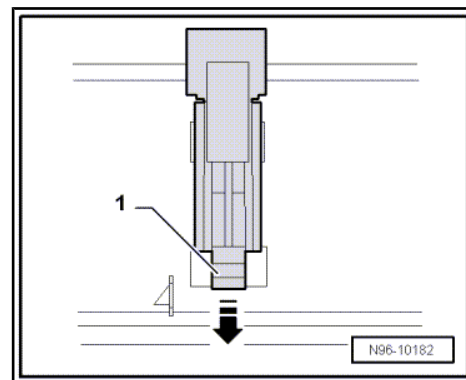
The Glove Compartment Lamp Switch - E26- is located on the rear side of the glove compartment.

Removing

- Turn off the ignition and all electrical equipment and remove the ignition key.
- Remove the glove compartment. Refer to ⇒ Body Interior; Rep. Gr. 68 ; Storage Compartments and Covers; Glove Compartment, Removing and Installing .
- Release the tab -1- and slide the Glove Compartment Lamp Switch - E26- out of the guide rail in direction of -arrow-.

Installing

Install in reverse order of removal.



2.22 Mirror Adjustment Switch - E43- , Removing and Installing

Mirror Adjusting Switch - E43- (Depending on the Vehicle Equipment):

- ◆ Mirror Adjusting Switch - E43-
- ◆ Mirror Selector Switch - E48-
- ◆ Exterior Rearview Mirror Heating Switch - E231-
- ◆ Mirror Folding Switch - E263-
- ◆ Mirror Adjustment Switch Illumination Bulb - L78-

The components listed above cannot be replaced separately.

- Replace the Mirror Adjusting Switch - E43- if it is faulty.



Caution

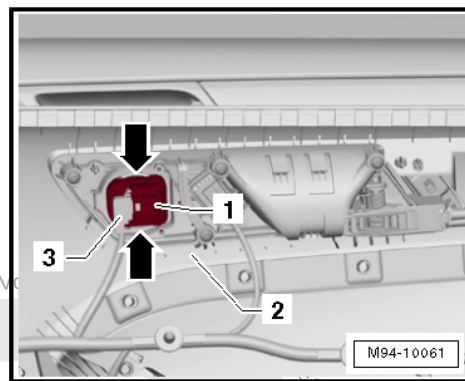
- ◆ *When removing and installing components in visible area (switches, covers, trim, etc.), cover the areas that will come in contact with a prying tool (Trim Removal Wedge - 3409- , screwdriver) with commercially available adhesive tape.*

Removing

- Turn off the ignition and all electrical equipment and remove the ignition key.
- Remove the driver side door trim panel. Refer to ⇒ Body Interior; Rep. Gr. 70 ; Door Trim Panels; Driver Side Front Door Trim Panel, Removing and Installing



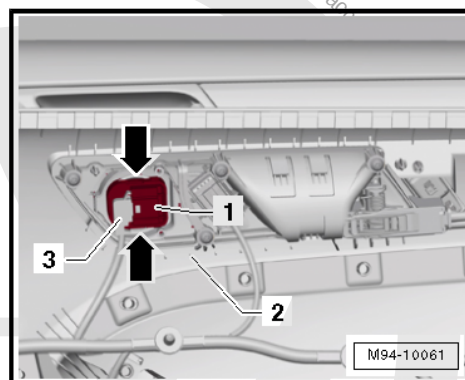
- Disconnect the connector -3-.



- Release the tabs -arrows- and remove the Mirror Adjusting Switch - E43- -1- from the door trim panel -2-.

Installing

Install in reverse order of removal.



2.23 Power Window Control Head in Driver Door - E512- , Removing and Installing

Power Window Control Head in Driver Door - E512- Components

- ◆ Left Front Window Regulator Switch - E40-
- ◆ Left Rear Window Regulator Switch in Driver Door - E53-
- ◆ Right Rear Window Regulator Switch in Driver Door - E55-
- ◆ Right Front Power Window Switch in Driver Door - E81-
- ◆ Child Safety Lock Button - E318-
- ◆ Push Button Illumination Bulb - L76-

The components listed above cannot be replaced separately. Replace the Power Window Control Head in Driver Door - E512- if it is faulty.

Special tools and workshop equipment required

- ◆ Trim Removal Wedge - 3409-



Caution

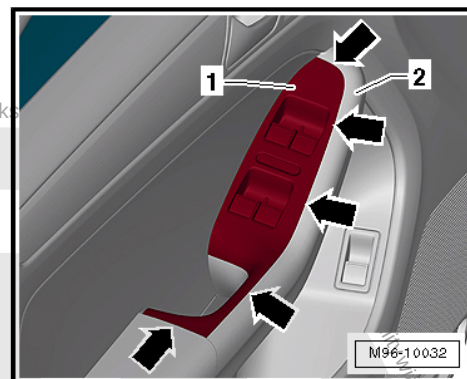
- ◆ *When removing and installing components in visible area (switches, covers, trim, etc.), cover the areas that will come in contact with a prying tool (Trim Removal Wedge - 3409- , screwdriver) with commercially available adhesive tape.*

Removing

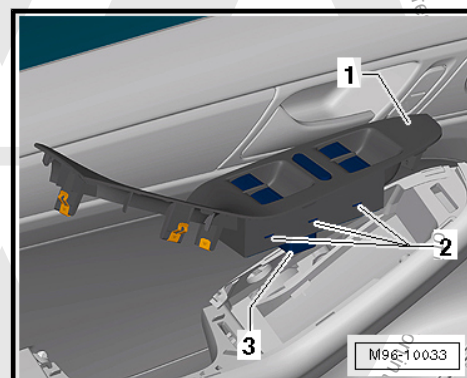
- Turn off the ignition and all electrical equipment and remove the ignition key.



- Carefully pry the handle trim -1- out of the pull handle -2- at the tabs -arrows- using the Trim Removal Wedge - 3409- .



- Disconnect the connector -3-

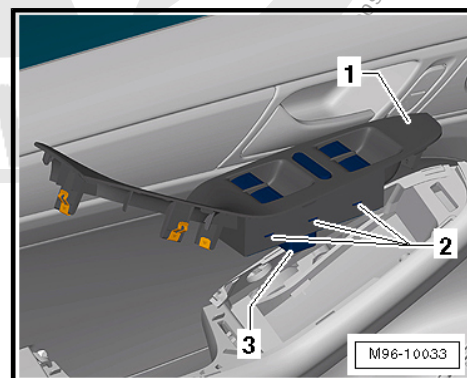


- Release the six tabs -2- (three on both the right and left side) and remove the Power Window Control Head in Driver Door - E512- -3- from the handle trim -1-.

Installing

Install in reverse order of removal. Note the following:

- Make sure the tabs click into place when installing.



2.24 Front Passenger Door Window Regulator Switch - E107- , Removing and Installing

The Push Button Illumination Bulb - L76- is integrated in the Front Passenger Door Window Regulator Switch - E107- and cannot be replaced separately.

Special tools and workshop equipment required

- Trim Removal Wedge - 3409-



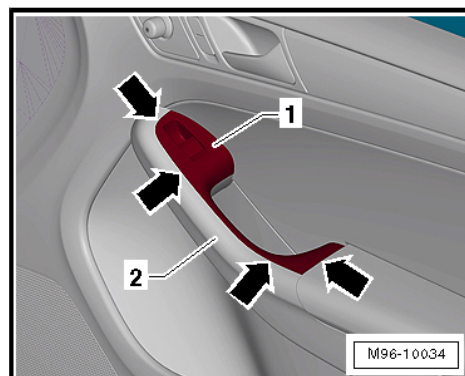
Caution

- When removing and installing components in visible area (switches, covers, trim, etc.), cover the areas that will come in contact with a prying tool (Trim Removal Wedge - 3409- , screwdriver) with commercially available adhesive tape.

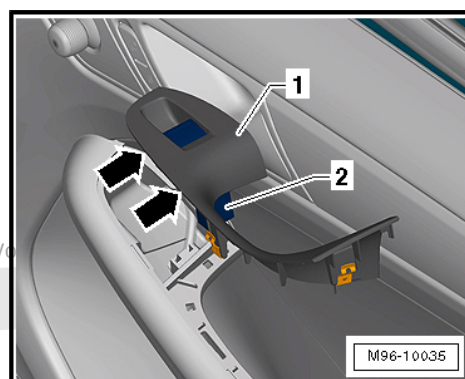


Removing

- Turn off the ignition and all electrical equipment and remove the ignition key.
- Carefully pry the handle trim -1- out of the pull handle -2- at the tabs -arrows- using the Trim Removal Wedge - 3409- .



- Release and disconnect the connector -2-.

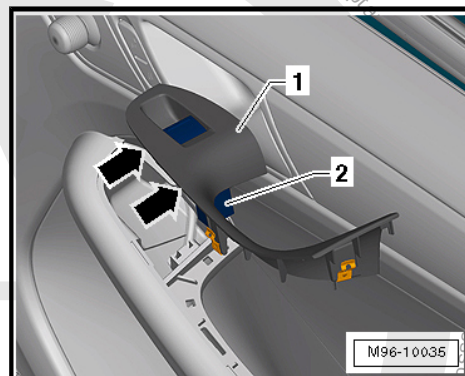


- Release the four tabs -arrows- (two on both the right and left side) and remove the Front Passenger Door Window Regulator Switch - E107- -2- from the handle trim -1-.

Installing

Install in reverse order of removal. Note the following:

- Make sure the tabs click into place when installing.



2.25 Interior Monitoring Deactivation Switch - E267- , Removing and Installing

Special tools and workshop equipment required

- ◆ Trim Removal Wedge - 3409-



Caution

- ◆ *When removing and installing components in visible area (switches, covers, trim, etc.), cover the areas that will come in contact with a prying tool (Trim Removal Wedge - 3409- , screwdriver) with commercially available adhesive tape.*

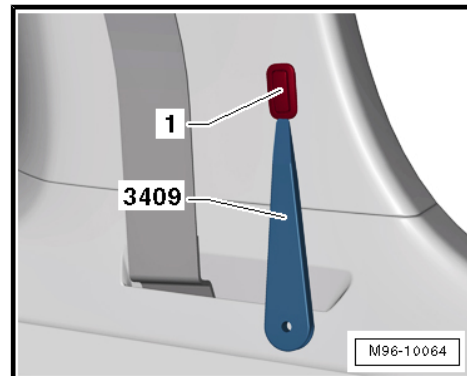


Removing

- Turn off the ignition and all electrical equipment and remove the ignition key.
- Unclip the switch -1- from the trim panel using the Trim Removal Wedge - 3409- .
- Release and disconnect the connector.

Installing

Install in reverse order of removal.



2.26 Rear Door Window Regulator Switch, Removing and Installing

The Left Rear Power Window Switch in Left Rear Door - E52- / Right Rear Window Switch in Right Rear Door - E54- are both removed and installed the same way, so therefore the procedure is only described for one of them.

Special tools and workshop equipment required

- ◆ Trim Removal Wedge - 3409-

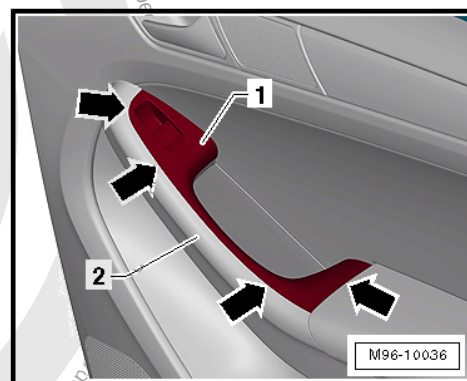


Caution

- ◆ *When removing and installing components in visible area (switches, covers, trim, etc.), cover the areas that will come in contact with a prying tool (Trim Removal Wedge - 3409- , screwdriver) with commercially available adhesive tape.*

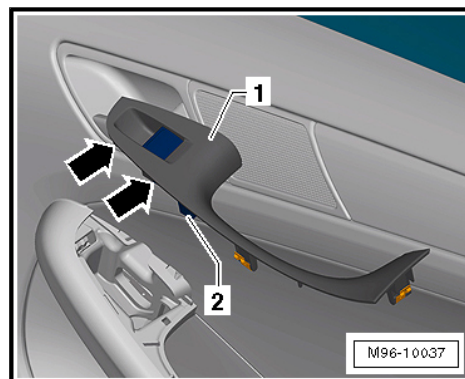
Removing

- Turn off the ignition and all electrical equipment and remove the ignition key.
- Carefully pry the handle trim -1- out of the pull handle -2- at the tabs -arrows- using the Trim Removal Wedge - 3409- .





- Release and disconnect the connector -2-.

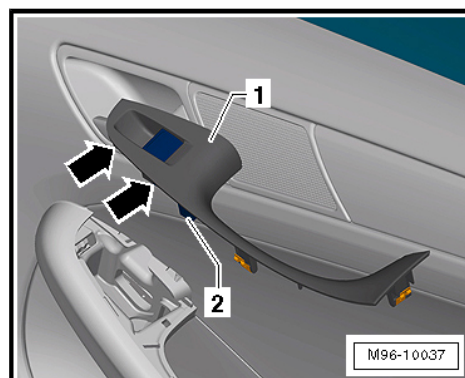


- Release the four tabs -arrows- (two on both the right and left side) and remove the Front Passenger Door Window Regulator Switch - E107- -2- from the handle trim -1-.

Installing

Install in reverse order of removal. Note the following:

- Make sure the tabs click into place when installing.



2.27 Rear Lid Contact Switch, Removing and Installing

⇒ [“2.27.1 Rear Lid Lock Unit F256 , Removing and Installing”, page 294](#)

2.27.1 Rear Lid Lock Unit - F256- , Removing and Installing

The Rear Lid Lock Unit - F256- is integrated in the rear lid latch and cannot be replaced separately.

- Replace the rear lid lock if it is faulty. Refer to ⇒ Body Exterior; Rep. Gr. 55 ; Rear Lid; Rear Lid; Removing and Installing .

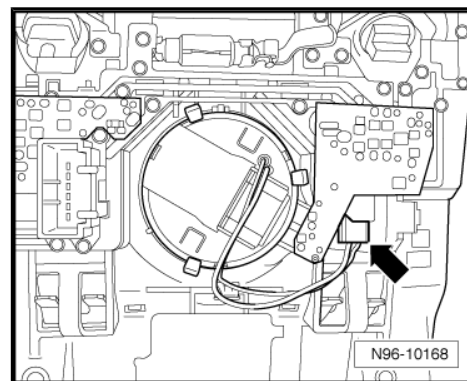
2.28 Sunroof Tilt Button 1 - E582- , Removing and Installing

Removing

- Turn off the ignition and all electrical equipment and remove the ignition key.
- Removing the Front Interior Lamp - W1- . Refer to ⇒ [“2.29.2 Front Interior Lamp W1 , Removing and Installing, with Sliding Sunroof”, page 296](#)



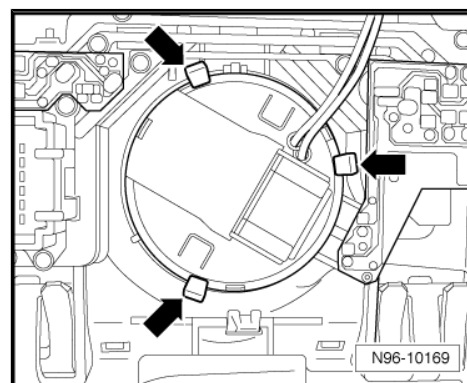
- Release and disconnect the connector -arrow-.



- Release the tabs -arrows- and remove the Sunroof Tilt Button 1 - E582- from the frame.

Installing

Install in reverse order of removal.



2.29 Front Interior Lamp/Reading Lamp, Removing and Installing

⇒ [“2.29.1 Front Interior Lamp W1 , Removing and Installing, without Sliding Sunroof”, page 295](#)

⇒ [“2.29.2 Front Interior Lamp W1 , Removing and Installing, with Sliding Sunroof”, page 296](#)

2.29.1 Front Interior Lamp - W1- , Removing and Installing, without Sliding Sunroof

Special tools and workshop equipment required

- ◆ Trim Removal Wedge - 3409-



Caution

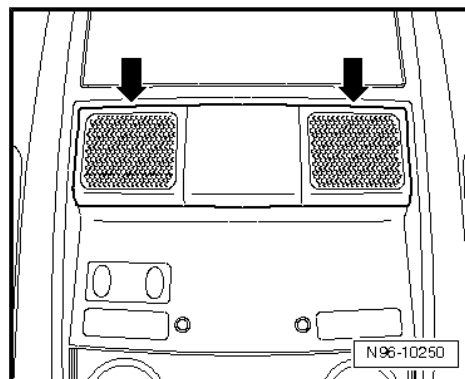
- ◆ *When removing and installing components in visible area (switches, covers, trim, etc.), cover the areas that will come in contact with a prying tool (Trim Removal Wedge - 3409- , screwdriver) with commercially available adhesive tape.*

Removing

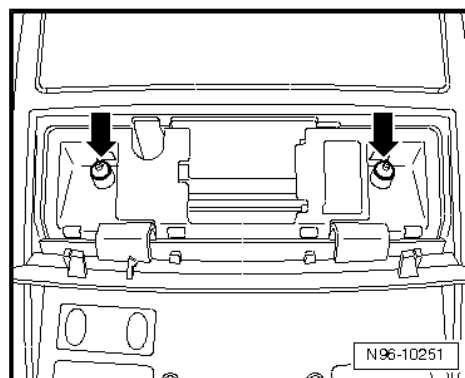
- Turn off the ignition and all electrical equipment and remove the ignition key.



- Carefully pry the trim out of the Front Interior Lamp - W1- using the Trim Removal Wedge - 3409- -arrows-.



- Remove the bolts -arrows-.
- Remove the Front Interior Lamp - W1- from the bracket in the headliner.



- Release and disconnect the connectors -arrows-.

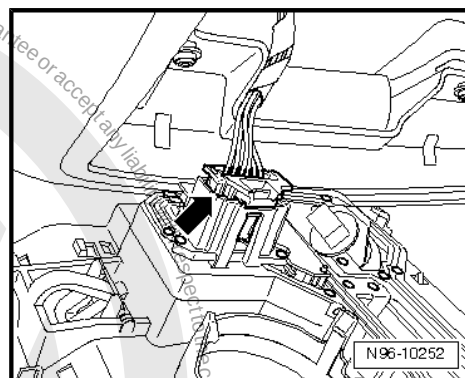
Installing

Install in reverse order of removal.

- Tighten the threaded connections to the tightening specification.

Tightening Specifications

- ◆ Refer to
⇒ [“2.5 Component Location Overview - Controls in Roof Trim Panel”, page 273](#)



2.29.2 Front Interior Lamp - W1- , Removing and Installing, with Sliding Sunroof

Special tools and workshop equipment required

- ◆ Trim Removal Wedge - 3409-



Caution

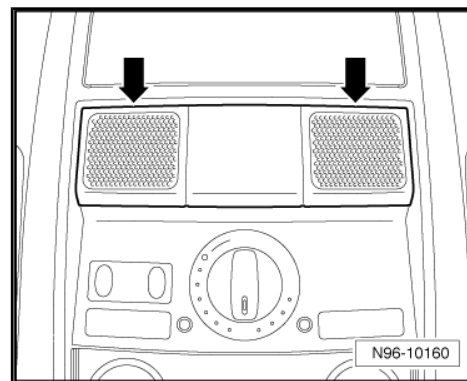
- ◆ *When removing and installing components in visible area (switches, covers, trim, etc.), cover the areas that will come in contact with a prying tool (Trim Removal Wedge - 3409- , screwdriver) with commercially available adhesive tape.*

Removing

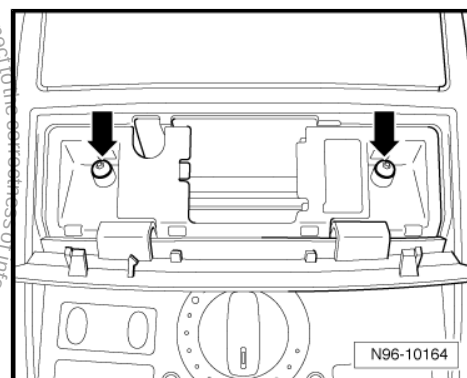
- Turn off the ignition and all electrical equipment and remove the ignition key.



- Carefully pry the trim out of the Front Interior Lamp - W1- using the Trim Removal Wedge - 3409- -arrows-.



- Remove the bolts -arrows-.
- Remove the Front Interior Lamp - W1- from the bracket in the headliner.

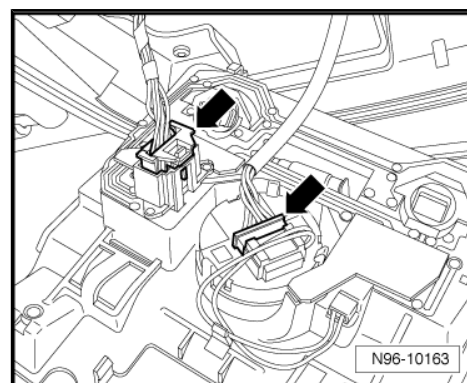


- Release and disconnect the connectors -arrows-.

Installing

Install in reverse order of removal.

- Tighten the threaded connections to the tightening specification.



Tightening Specifications

- ◆ Refer to
⇒ ["2.5 Component Location Overview - Controls in Roof Trim Panel", page 273](#)

2.30 Rear Interior Lamp/Reading Lamp, Removing and Installing

⇒ ["2.30.1 Rear Interior Lamp W43 , Removing and Installing", page 297](#)

2.30.1 Rear Interior Lamp - W43- , Removing and Installing

Special tools and workshop equipment required

- ◆ Trim Removal Wedge - 3409-



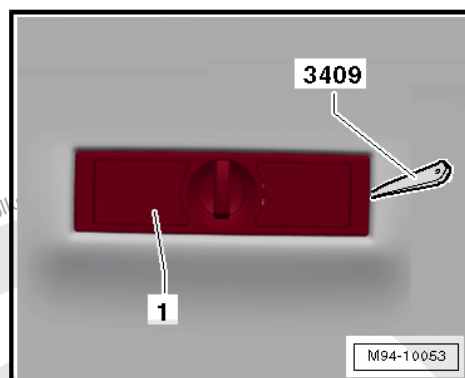
Caution

- ◆ *When removing and installing components in visible area (switches, covers, trim, etc.), cover the areas that will come in contact with a prying tool (Trim Removal Wedge - 3409- , screwdriver) with commercially available adhesive tape.*



Removing

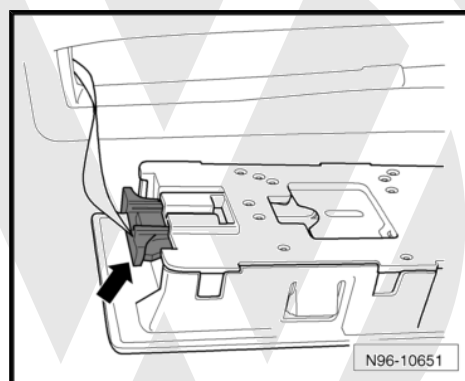
- Turn off the ignition and all electrical equipment and remove the ignition key.
- Unclip the Rear Interior Lamp - W43- -1- from the roof trim panel using the Trim Removal Wedge - 3409- .
- Release and disconnect the connector -arrow-.



- Remove the Rear Interior Lamp - W43- .

Installing

Install in reverse order of removal.



2.31 Garage Door Opener Control Head - E284- , Removing and Installing

Garage Door Opener Control Head - E284- is installed in sun visor on driver side.

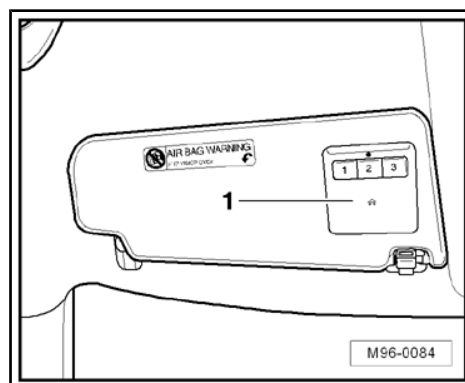
The sun visor and Garage Door Opener Control Head - E284- can only be replaced together.

Removing

- Remove the driver side sun visor and the Garage Door Opener Control Head - E284- -1-. Refer to ⇒ Body Interior; Rep. Gr. 68 ; Equipment; Sun Visor, Removing and Installing .

Installing

Install in reverse order of removal.





3 Immobilizer

⇒ [“3.1 Overview - Immobilizer”, page 299](#)

⇒ [“3.2 Anti-Theft Immobilizer Control Module J362”, page 300](#)

⇒ [“3.3 Anti-Theft Immobilizer Reader Coil D2”, page 301](#)

⇒ [“3.4 Ignition Key”, page 301](#)

3.1 Overview - Immobilizer

General Information

The fourth generation anti-theft immobilizer on the vehicle has an online connection and download capability. The chief integral component of the fourth generation immobilizer is a central database, in which all anti-theft relevant data of participating control modules is stored. It is not possible to adapt the participating control modules to the immobilizer without an online connection to this data bank.

Online system test. Refer to

⇒ [“3.2.4 Online System Test”, page 301](#).

- ◆ The immobilizer PIN cannot be requested by fax and the immobilizer cannot be enabled in advance.
- ◆ All components participating on the immobilizer must be adapted online.
- ◆ All vehicle keys (subsequently ordered keys as well) are already pre-coded to a specific vehicle from the factory and can only be adapted to this vehicle.
- ◆ It is necessary to have the VIN to be able to order replacement keys.
- ◆ It is not possible to perform adaptation on components originating from other Volkswagen group brands.

Anti-Theft Immobilizer Components:

- ◆ Anti-Theft Immobilizer Control Module - J362- . Refer to ⇒ [“3.2 Anti-Theft Immobilizer Control Module J362”, page 300](#).
- ◆ Engine Control Module - J623- . Refer to ⇒ Rep. Gr. 23 ; Engine Control Module or ⇒ Rep. Gr. 24 ; Engine Control Module .
- ◆ Ignition key. Refer to ⇒ [“3.4 Ignition Key”, page 301](#).

New Identity When Changing All Immobilizer Components. Refer to

⇒ [“3.2.3 New Identity when Replacing all Components”, page 300](#).

Anti-Theft Immobilizer Control Module - J362- Function

- ◆ Communication of all components participating on immobilizer with each other.
- ◆ Data encryption between participating control modules.

Malfunction Recognition and Malfunction Indicator

The anti-theft immobilizer is equipped with OBD.

For troubleshooting, use the Vehicle Diagnostic Tester in the “Guided Fault Finding” function.



3.2 Anti-Theft Immobilizer Control Module - J362-

⇒ [“3.2.1 Anti-Theft Immobilizer Control Module J362 , Removing and Installing”, page 300](#)

⇒ [“3.2.2 Anti-Theft Immobilizer Control Module J362 , Adapting”, page 300](#)

⇒ [“3.2.3 New Identity when Replacing all Components”, page 300](#)

⇒ [“3.2.4 Online System Test”, page 301](#)

3.2.1 Anti-Theft Immobilizer Control Module - J362- , Removing and Installing

The Anti-theft Immobilizer Control Module - J362- is integrated into the instrument cluster. If the Anti-Theft Immobilizer Control Module - J362- is faulty, the instrument cluster must be replaced.

Replace instrument cluster. Refer to

⇒ [“1.2 Instrument Cluster, Removing and Installing”, page 103](#) .

3.2.2 Anti-Theft Immobilizer Control Module - J362- , Adapting

Procedure

- Connect the Vehicle Diagnostic Tester .
- Select the **Guided Fault Finding** mode.
- Use the **GO TO** button to select the “function/component selection” and the following menu options one after the other:

- ◆ Body
- ◆ Electrical Equipment
- ◆ 01 - OBD-capable systems
- ◆ 25 - Anti-theft immobilizer
- ◆ Anti-theft immobilizer functions
- ◆ Anti-Theft Immobilizer, Adapting

3.2.3 New Identity when Replacing all Components

Procedure

- Connect the Vehicle Diagnostic Tester .
- Select the **Guided Fault Finding** mode.
- Use the **GO TO** button to select the “function/component selection” and the following menu options one after the other:

- ◆ Body
- ◆ Electrical Equipment
- ◆ 01 - OBD-capable systems
- ◆ 25 - Anti-theft immobilizer
- ◆ Anti-theft immobilizer functions
- ◆ New identity



3.2.4 Online System Test

The following steps will be performed by this test program:

- ◆ System test for the online connection
- ◆ Test of user authorization
- ◆ Test of correct wire online connection to Volkswagen data-base

Prerequisite for this is the ⇒ Vehicle diagnostic tester online connection.

Procedure

- Connect the Vehicle Diagnostic Tester Vehicle Diagnostic Tester .
- Select the **Guided Fault Finding** mode.
- Use the **GO TO** button to select the “function/component selection” and the following menu options one after the other:
 - ◆ Body
 - ◆ Electrical Equipment
 - ◆ 01 - OBD-capable systems
 - ◆ 25 - Anti-theft immobilizer
 - ◆ Anti-theft immobilizer functions
 - ◆ Online System Test

3.3 Anti-Theft Immobilizer Reader Coil - D2-

The Anti-Theft Immobilizer Reading Coil - D2- is connected to the Ignition Switch - D- and cannot be replaced separately.

Ignition/Starter Switch - D- , Removing and installing. Refer to ⇒ [“9.6 Ignition/Starter Switch D , Removing and Installing”](#), page 221 .

3.4 Ignition Key

Battery for ignition key with radio remote control, removing and installing. Refer to ⇒ Body Exterior; Rep. Gr. 57 ; Central Locking .

Ignition key radio frequency unit (transmitter for radio-operated central locking), removing and installing. Refer to ⇒ Body Exterior; Rep. Gr. 57 Central Locking .

Refer to ⇒ [“3.4.1 Ignition Key, Variable Code Transponder”](#), page 301

Refer to ⇒ [“3.4.2 Lost Ignition Key”](#), page 302

Refer to ⇒ [“3.4.3 Ignition Key, Adapting to Immobilizer”](#), page 302

Refer to ⇒ [“3.4.4 Remote Key, Checking”](#), page 302

3.4.1 Ignition Key, Variable Code Transponder

It is not possible to replace variable code transponder in ignition key.

Ignition key must always be replaced if variable code transponder is malfunctioning.

If an Ignition Key Is Replaced or Another Ignition Key Is Required, the New Ignition Key Must Always Be Adapted to the Immobilizer.



Refer to

⇒ **"3.4.3 Ignition Key, Adapting to Immobilizer", page 302**

3.4.2 Lost Ignition Key

All vehicle keys (subsequently ordered keys as well) are already pre-coded to a specific vehicle from the factory and can only be adapted to this vehicle. The subsequent ordering of a vehicle key must be performed via entry of the respective Vehicle Identification Number (VIN) and then the new key must be adapted to the Anti-Theft Immobilizer Control Module - J362-.

The Function »New Identity when Replacing all Components« Must Be Performed Before Replacing the Lock Set or the Control Modules. Refer to

⇒ **"3.2.3 New Identity when Replacing all Components", page 300**.

Adapting the Key to the Immobilizer. Refer to

⇒ **"3.4.3 Ignition Key, Adapting to Immobilizer", page 302**.

Checking the Remote Key. Refer to

⇒ **"3.4.4 Remote Key, Checking", page 302**.

3.4.3 Ignition Key, Adapting to Immobilizer

Procedure

- Connect the Vehicle Diagnostic Tester.
- Select the **Guided Fault Finding** mode.
- Use the **GO TO** button to select the "function/component selection" and the following menu options one after the other:

- ◆ Body
- ◆ Electrical Equipment
- ◆ 01 - OBD-capable systems
- ◆ 25 - Anti-theft immobilizer
- ◆ Anti-theft immobilizer functions
- ◆ Adapting a key

3.4.4 Remote Key, Checking

Procedure

- Connect the Vehicle Diagnostic Tester.
- Select the **Guided Fault Finding** mode.
- Use the **GO TO** button to select the "function/component selection" and the following menu options one after the other:

- ◆ Body
- ◆ Electrical Equipment
- ◆ 01 - OBD-capable systems
- ◆ 09 - vehicle electrical system control module
- ◆ Vehicle electrical system control module functions
- ◆ Remote Control Key, Checking



4 Anti-Theft Alarm System

⇒ ["4.1 Overview - Interior Monitoring", page 303](#)

⇒ ["4.2 Anti-Theft Alarm System, Activating/Deactivating", page 304](#)

⇒ ["4.3 Central Locking and Anti-Theft Alarm System Antenna R47", page 305](#)

⇒ ["4.5 Interior Monitoring Sensor G273, Removing and Installing", page 306](#)

⇒ ["4.6 Engine Hood Contact Switch F266, Removing and Installing", page 306](#)

⇒ ["4.7 Anti-Theft Alarm System Adaptations", page 307](#)

4.1 Overview - Interior Monitoring

Components of anti-theft alarm system and interior monitoring are dependent on vehicle equipment.

1 - Alarm Horn - H12-

- ☐ Not for USA and Canada market
- ☐ Nut: 10 Nm
- ☐ In the center of the plenum chamber
- ☐ Removing and installing. Refer to
⇒ ["4.4 Alarm Horn H12, Removing and Installing", page 305](#).

2 - Front Passenger Door Control Module - J387-

- ☐ In the front passenger door
- ☐ Removing and installing. Refer to ⇒ Body Exterior; Rep. Gr. 64 ; Front Door Window; Window Regulator, Removing and Installing .

3 - Front Passenger Door Contact Switch - F3-

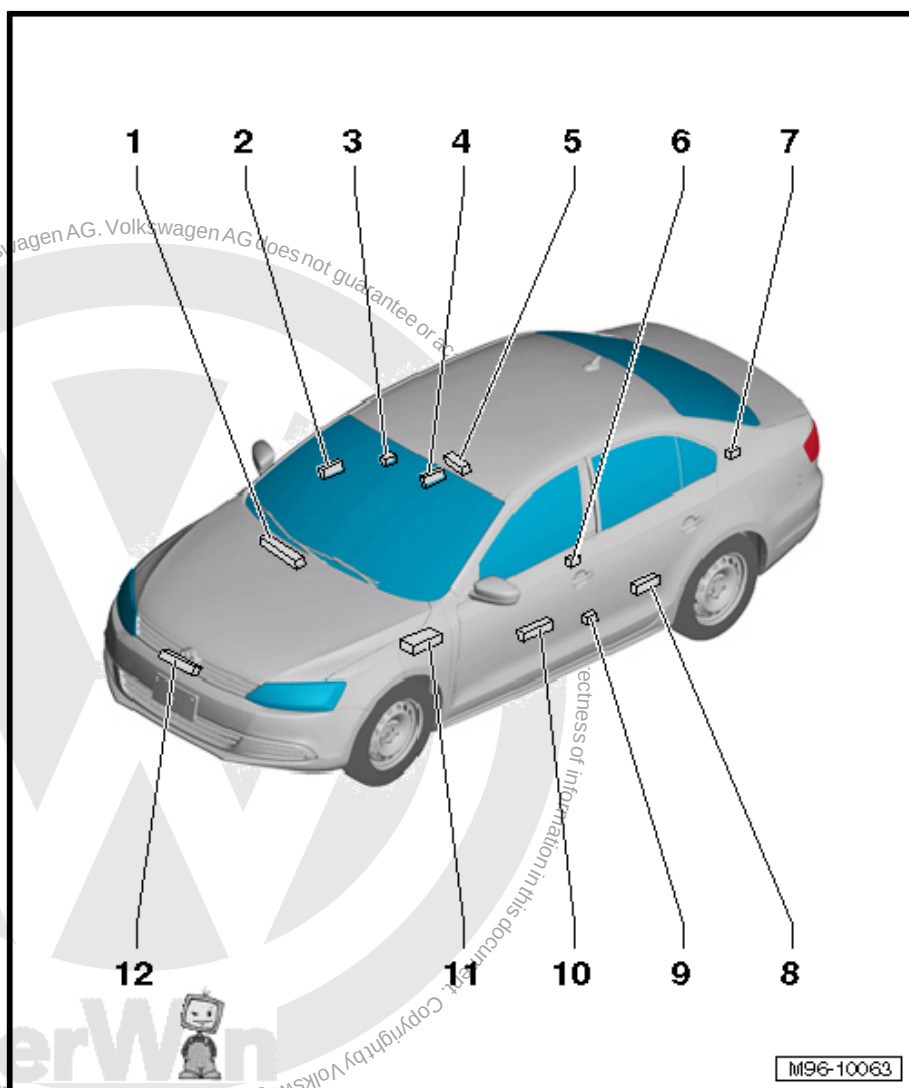
- ☐ Inside the Front Passenger Central Locking Lock Unit - F221-
- ☐ Removing and installing. Refer to ⇒ Body Exterior; Rep. Gr. 57 ; Door Components; Door Lock, Removing and Installing .

4 - Right Rear Door Control Module - J389-

- ☐ Inside the right rear door
- ☐ Removing and installing. Refer to ⇒ Body Exterior; Rep. Gr. 64 ; Rear Door Window; Window Regulator, Removing and Installing .

5 - Interior Monitoring Sensor - G273-

- ☐ In the Front Interior Lamp - W1-



M96-10063



- ❑ Removing and installing. Refer to
⇒ ["4.5 Interior Monitoring Sensor G273 , Removing and Installing", page 306](#) .
- 6 - Driver Door Contact Switch - F2-**
 - ❑ Inside the Driver Central Locking Lock Unit - F220-
 - ❑ Removing and installing. Refer to ⇒ Body Exterior; Rep. Gr. 57 ; Door Components; Door Lock; Removing and Installing .
- 7 - Rear Lid Lock Unit - F256-**
 - ❑ Removing and installing. Refer to
⇒ ["2.27.1 Rear Lid Lock Unit F256 , Removing and Installing", page 294](#) .
- 8 - Left Rear Door Control Module - J388-**
 - ❑ Inside the left rear door
 - ❑ Removing and installing. Refer to ⇒ Body Exterior; Rep. Gr. 64 ; Rear Door Window; Window Regulator, Removing and Installing .
- 9 - Interior Monitoring Deactivation Switch - E267-**
 - ❑ Inside the B-pillar trim on the driver side
 - ❑ Removing and installing. Refer to
⇒ ["2.25 Interior Monitoring Deactivation Switch E267 , Removing and Installing", page 292](#) .
- 10 - Driver Door Control Module - J386-**
 - ❑ In the driver door
 - ❑ Removing and installing. Refer to ⇒ Body Exterior; Rep. Gr. 64 ; Front Door Window; Window Regulator, Removing and Installing .
- 11 - Vehicle Electrical System Control Module - J519-**
 - ❑ Inside the footwell on the driver side under the instrument panel
 - ❑ Includes the Central Locking and Anti-Theft Alarm System Antenna - R47-
 - ❑ Removing and installing. Refer to
⇒ ["2.2.2 Vehicle Electrical System Control Module J519 , Removing and Installing, High Version", page 321](#) .
- 12 - Engine Hood Contact Switch - F266-**
 - ❑ Inside the latch
 - ❑ Removing and installing. Refer to
⇒ ["4.6 Engine Hood Contact Switch F266 , Removing and Installing", page 306](#) .

4.2 Anti-Theft Alarm System, Activating/Deactivating

Anti-Theft Alarm System, Activating.

Anti-theft alarm system is automatically switched on by locking the vehicle. Anti-theft alarm system is then activated immediately.

So that anti-theft alarm system does not trigger unnecessary alarms, close all windows and doors before locking the vehicle.

Deactivate the Anti-Theft Alarm System.

The anti-theft alarm system is deactivated if

- ◆ The vehicle is unlocked using the unlock button on the remote control key
- ◆ The ignition is switched on.

Unlocking Vehicle Mechanically (Emergency Opening).

- Lock the vehicle on the driver door.

Anti-theft alarm system remains activated, however no alarm is triggered.

- Turn on the ignition within 15 seconds.



The alarm will go off after 15 seconds if the ignition is not turned on.

By switching on the ignition, the electronic immobilizer recognizes a valid vehicle key and deactivates the anti-theft alarm system.

4.3 Central Locking and Anti-Theft Alarm System Antenna - R47-

The Central Locking and Anti-Theft Alarm System Antenna - R47- receives radio signals from the remote control key and relays them to the Vehicle Electrical System Control Module - J519- .

The Central Locking and Anti-Theft Alarm System Antenna - R47- is integrated inside the Vehicle Electrical System Control Module - J519- and cannot be replaced separately. Replace the Vehicle Electrical System Control Module - J519- if it is faulty. Refer to [⇒ "2.2 Vehicle Electrical System Control Module J519, Removing and Installing", page 319](#) .

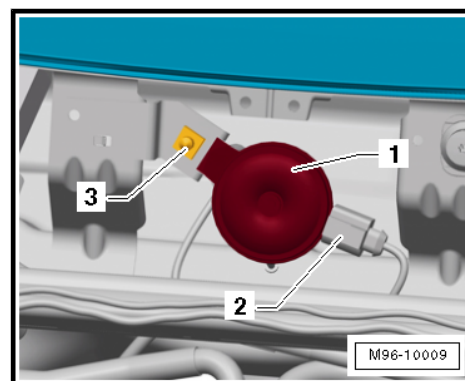
4.4 Alarm Horn - H12- , Removing and Installing

The Alarm Horn - H12- is located inside the plenum chamber on the right side next to the wiper unit.

The anti-theft alarm system must be deactivated in order to remove the Alarm Horn - H12- . Refer to [⇒ "4.2 Anti-Theft Alarm System, Activating/Deactivating", page 304](#) .

Removing

- Turn off the ignition and all electrical equipment and remove the ignition key.
- Remove the plenum chamber cover. Refer to ⇒ Body Exterior; Rep. Gr. 50 ; Plenum Chamber Cover; Plenum Chamber Cover, Removing and Installing .
- Release and disconnect the connector -2-.





- Remove the nut -3- and remove the Alarm Horn - H12- -1- from the plenum chamber.

Installing

Install in reverse order of removal. Note the following:

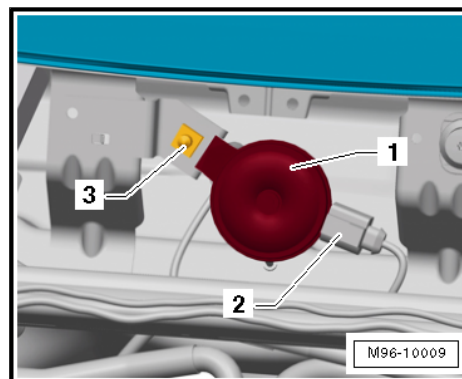
- Tighten the threaded connections to the tightening specification.

Alarm Horn - H12- , Checking.

The Alarm Horn - H12- can be checked using the Vehicle Electrical System Control Module - J519- output diagnostic test. Refer to
⇒ [“2.2.5 Vehicle Electrical System Control Module J519 , Output Diagnostic Test Mode”](#), page 323 .

Tightening Specifications

- ♦ Refer to ⇒ [“4.1 Overview - Interior Monitoring”](#), page 303



4.5 Interior Monitoring Sensor - G273- , Removing and Installing



Caution

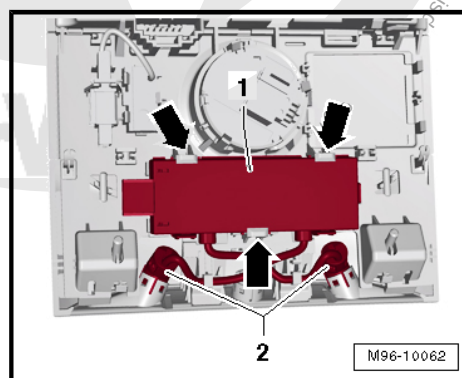
- ♦ *When removing and installing components in visible area (switches, covers, trim, etc.), cover the areas that will come in contact with a prying tool (Trim Removal Wedge - 3409- , screwdriver) with commercially available adhesive tape.*

Removing

- Turn off the ignition and all electrical equipment and remove the ignition key.
- Removing the Front Interior Lamp - W1- . Refer to ⇒ [“2.29 Front Interior Lamp/Reading Lamp, Removing and Installing”](#), page 295 .
- Unclip the sensors -2-.
- Remove the cable from the cable guide.
- Release the tabs -arrows- and remove the Interior Monitoring Sensor - G273- -1- with the sensors -2- from the Front Interior Lamp - W1- .

Installing

Install in reverse order of removal.



4.6 Engine Hood Contact Switch - F266- , Removing and Installing

Engine Hood Contact Switch - F266- is integrated in lid lock and cannot be replaced separately.



If there is a malfunction, the entire latch must be replaced. Refer to ⇒ Body Exterior; Rep. Gr. 55 ; Hood; Latch, Removing and Installing .

4.7 Anti-Theft Alarm System Adaptations

⇒ ["4.7.1 Alarm Delay when Opening the Driver Door, Adapting", page 307](#)

⇒ ["4.7.2 Alarm Horn H12 , Adapting Market Version", page 307](#)

4.7.1 Alarm Delay when Opening the Driver Door, Adapting

Procedure

- Connect the Vehicle Diagnostic Tester .
- Select the **Guided Fault Finding** mode.
- Use the **GO TO** button to select the "function/component selection" and the following menu options one after the other:
 - ◆ Body
 - ◆ Electrical Equipment
 - ◆ 01 - OBD-capable systems
 - ◆ 09 - vehicle electrical system control module
 - ◆ Vehicle electrical system control module functions
 - ◆ Anti-theft alarm delay when opening driver door

4.7.2 Alarm Horn - H12- , Adapting Market Version

Procedure

- Connect the Vehicle Diagnostic Tester .
- Select the **Guided Fault Finding** mode.
- Use the **GO TO** button to select the "function/component selection" and the following menu options one after the other:
 - ◆ Body
 - ◆ Electrical Equipment
 - ◆ 01 - OBD-capable systems
 - ◆ 09 - vehicle electrical system control module
 - ◆ Vehicle electrical system control module functions
 - ◆ Market version for the intelligent alarm horn, adapting



5 Cigarette Lighter and Socket

⇒ "5.1 Converter with Socket, Removing and Installing",
page 308

5.1 Converter with Socket, Removing and Installing



WARNING

- ◆ *In the housing for the Converter with Socket, 12 V-230 V - U13- / Converter with Socket, 12 V-115 V - U27- there are condensers that can be charged with residual voltage.*
- ◆ *There is a danger of electric shock.*
- ◆ *The housing for the Converter with Socket, 12 V-230 V - U13- / Converter with Socket, 12 V-115 V - U27- must not be opened at any time.*

Special tools and workshop equipment required

- ◆ Trim Removal Wedge - 3409-

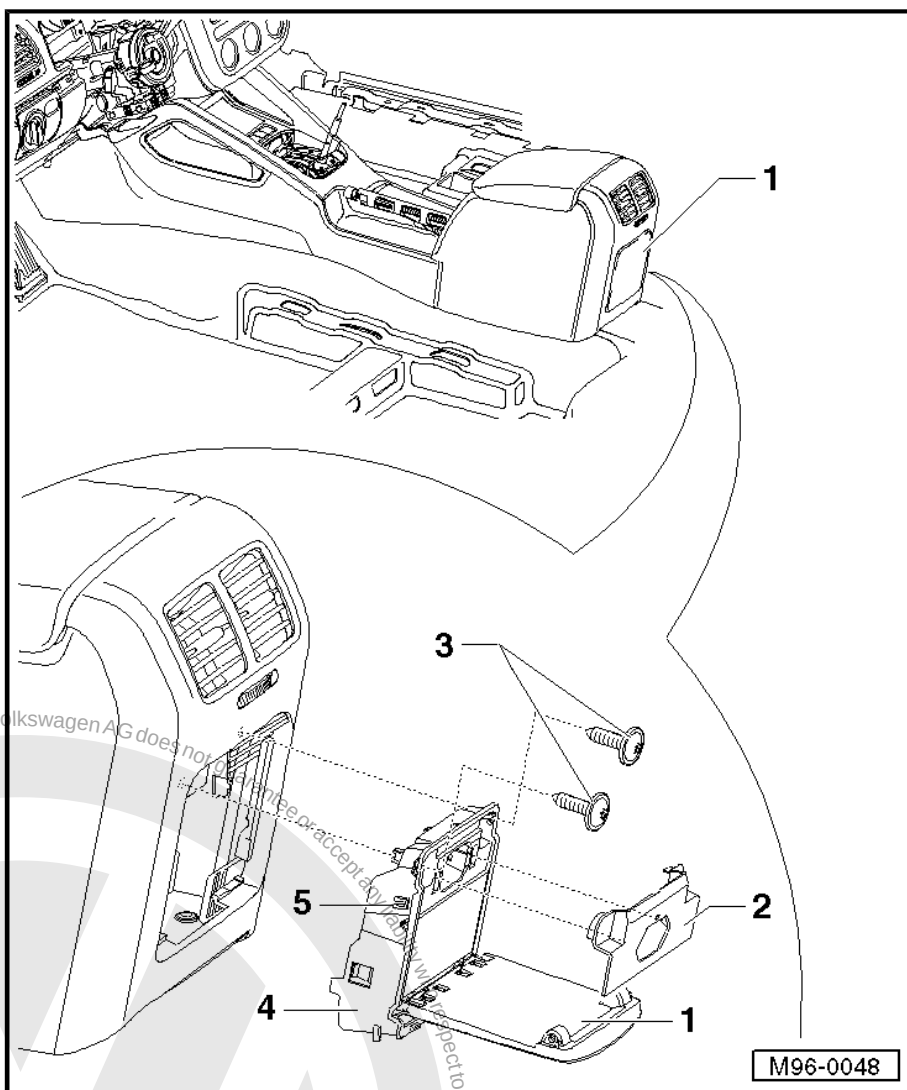


Caution

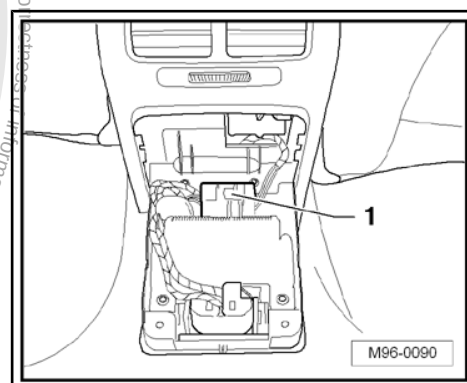
- ◆ *When removing and installing components in visible area (switches, covers, trim, etc.), cover the areas that will come in contact with a prying tool (Trim Removal Wedge - 3409- , screwdriver) with commercially available adhesive tape.*
- ◆ *The connections, wires or 230 V socket/115 V socket must not be repaired under any circumstances.*
- ◆ *If there is a connection, wire or 230 V socket/115 V socket malfunction, replace the entire unit.*

Removing

- Turn off the ignition and all electrical equipment and remove the ignition key.
- Open the cover -1-.
- Using a Trim Removal Wedge - 3409- , remove the socket cover -2- (clipped into both sides of the socket).
- Remove the two bolts -3-.
- Remove the inner socket unit -4-. Both side brackets -5- must be loosened to do this.



- Release and disconnect the connector -1-.
- Release the socket -4- at the tabs -arrows- and remove it from the trim.
- Remove the bolts -2 and 3-.





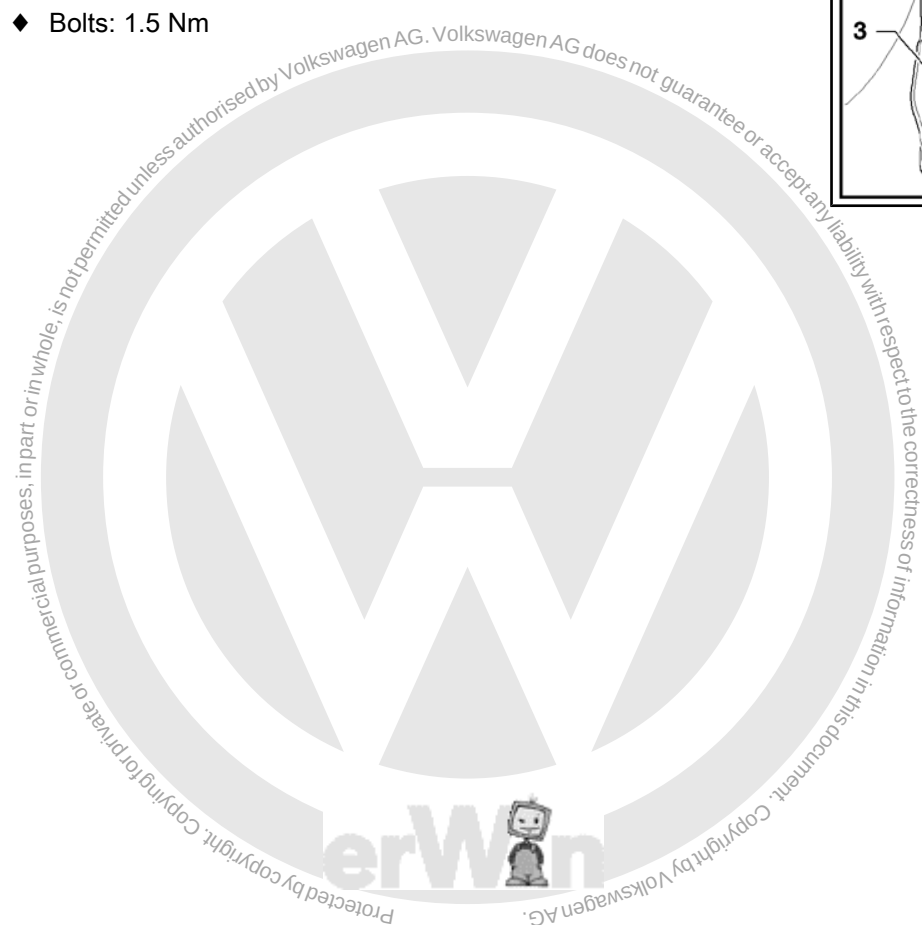
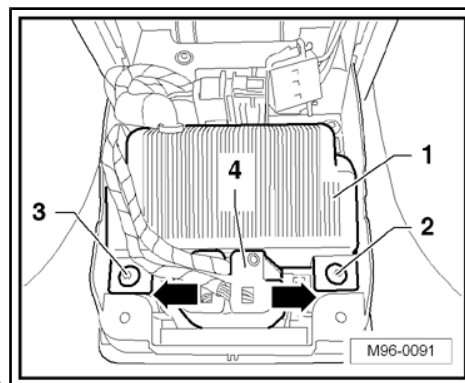
- Remove the converter -1-.

Installing

Install in reverse order of removal.

Tightening Specifications

- ◆ Bolts: 1.5 Nm





6 Special Tools

Special tools and workshop equipment required

- ◆ Trim Removal Wedge - 3409-

