



Interior - Lights and Switches

Footwell Lights

Footwell lights:

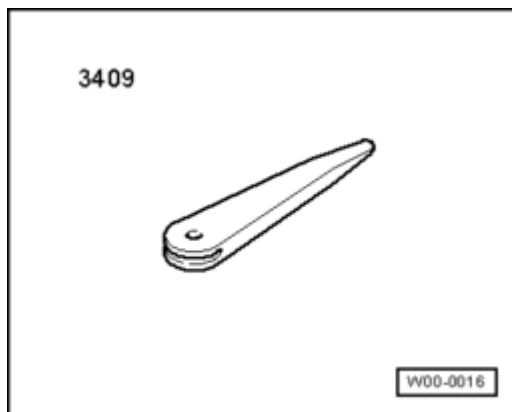
- Left Footwell Light W9
- Right Footwell Light W10

Note:

- *The front foot well lights are located in trim beneath the instrument panel.*

Footwell lights, removing and installing

Special tools, testers and auxiliary items required



- Trim removal wedge 3409

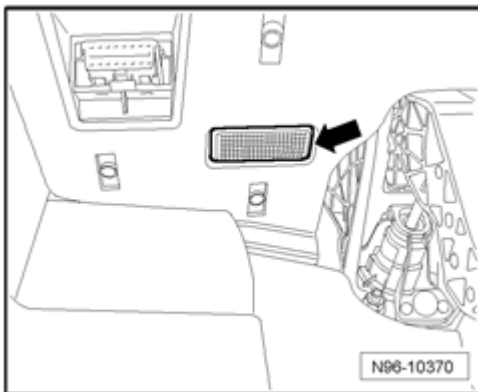
Note:

- *The front foot well lights are located in trim beneath the instrument panel.*
- *Removal and installation for all foot well lights is performed in the same way and is only described for one light.*

Removing:

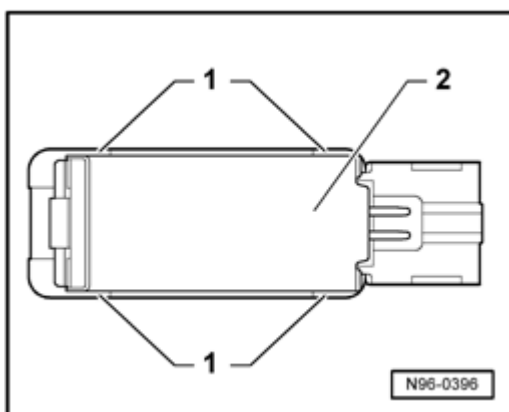
Caution!

- **Switch off all electrical consumers.**
- **Switch ignition off and remove ignition key.**
- **When removing switches, trim, covers or displays, prevent damage to visible areas by always applying appropriate tape to area surrounding the component, and the tools being used (screwdrivers, wedges etc.).**

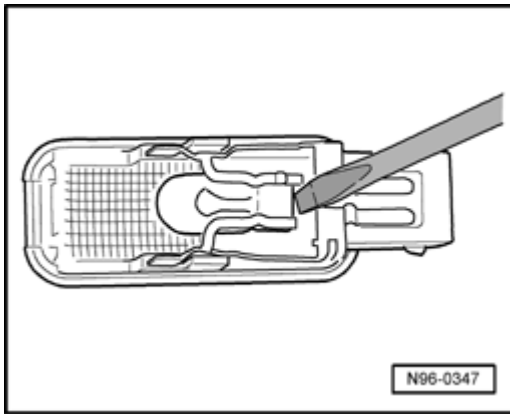


- Carefully pry out footwell light using trim removal wedge 3409 or a screwdriver.
- Release and disconnect electrical connection.

Bulb, replacing:



- Disengage retaining tabs - 1 - and remove heat shield - 2 - from diffusion lens of foot well light.



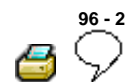
- Carefully pry bulb from socket.
- Replace bulb (12 V, 5 W).

Installing:

Install in reverse order of removal.

Footwell lights, checking

Left Footwell Light W9 and Right Footwell Light W10 function can be checked using Vehicle Electrical System Control Module J519 On Board Diagnostic (OBD) program function "Output Diagnostic Test Mode (DTM)" ⇒ [97-6, Vehicle Electrical System Control Module J519 , Output Diagnostic Test Mode \(DTM\)](#) .



Engine Compartment - Lights and Switches

Front Hood Switch F266 , removing and installing

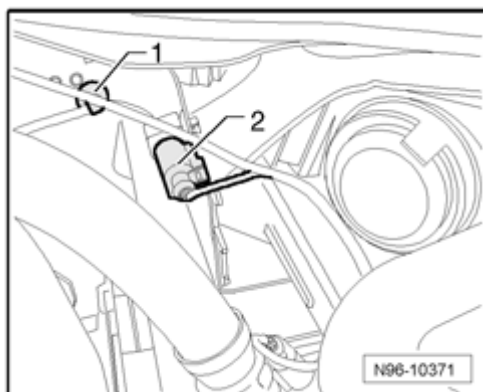
Removing:

Caution!

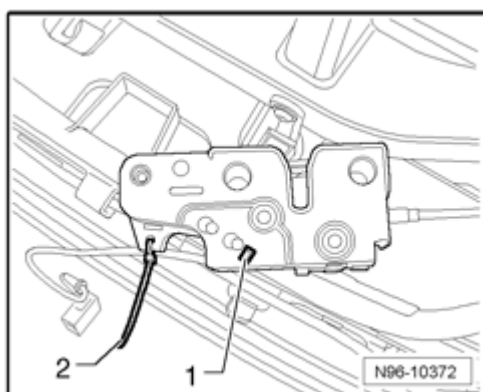
- **Switch off all electrical consumers.**
- **Switch ignition off and remove ignition key.**

- Remove front hood lock

⇒ [Repair Manual, Body Exterior, Repair Group 55, Hood; removing and installing hood lock; removing](#)



- Release and disconnect electrical connection - 2 - .
- Unclip harness retainer - 1 - .



- Cut cable tie - **2** - .
- Release tab - **1** - and move Front Hood Switch F266 in the elongated holes so that switch can be removed.

Installing:

Install in reverse order of removal.

Instrument Panel - Lights and Switches

Light Switch E1 , removing and installing

The following components are integrated with Light Switch E1 :

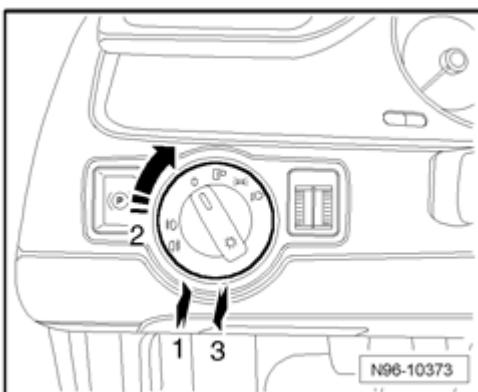
- Fog Lamp Switch E7
- Rear Fog Lamp Switch E18
- headlamp Switch Light L9

Removing:

Caution!

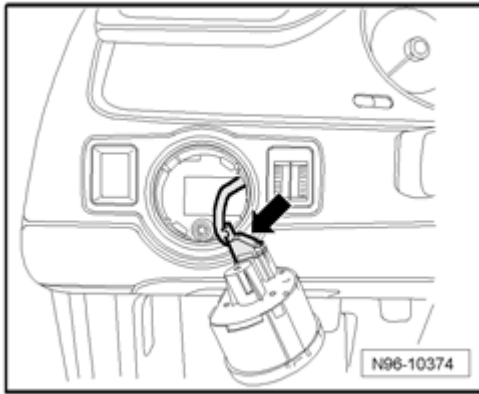
- **Switch off all electrical consumers.**
- **Switch ignition off and remove ignition key.**

- Turn light switch rotary knob to "0" position.



- Press light switch rotary knob inward - **arrow 1** - and turn slightly to the right - **arrow 2** - .

- Hold rotary knob in this position and pull Light Switch E1 using rotary knob from instrument panel - **arrow 3** - .



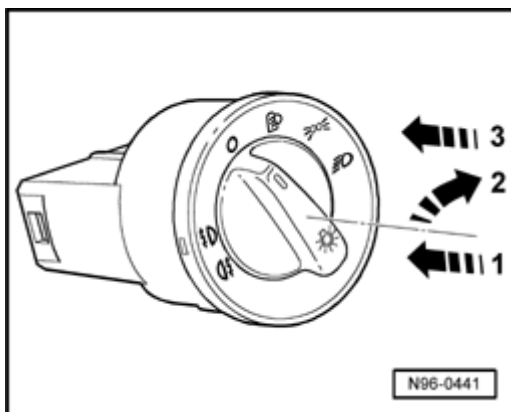
- Release electrical connection - **arrow** - and disconnect from Light Switch E1 .

Installing:

- Reconnect electrical connection to Light Switch E1 .

Note:

- *For clarity, electrical connection not shown in illustration.*



- Hold Light Switch E1 and push rotary knob in - **1** - and turn to the right slightly - **2** - .

- Hold rotary knob in this position and insert Light Switch E1 into instrument panel - **3** - .

- Turn rotary handle to position "0" , release and engage switch.

Headlamp Adjuster E102 and Instrument Panel Illumination Dimmer Switch E20 , removing and installing

Note:

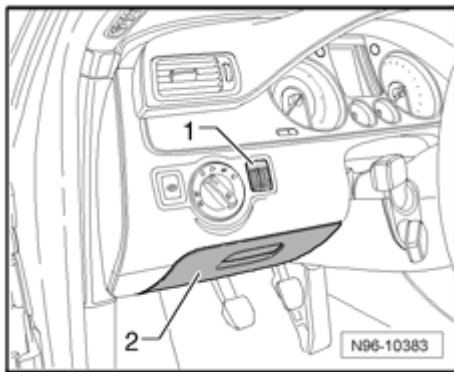
- *Manual headlamp range adjuster Headlamp Adjuster*

E102 is not applicable to USA/CDN.

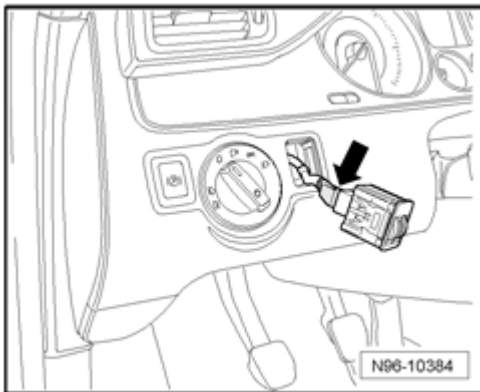
Removing:

Caution!

- **Switch off all electrical consumers.**
- **Switch ignition off and remove ignition key.**



- Remove cover - **2** - .
- Remove adjuster - **1** - towards rear from instrument panel opening.



- Release and disconnect electrical connection - **arrow** - .

Installing:

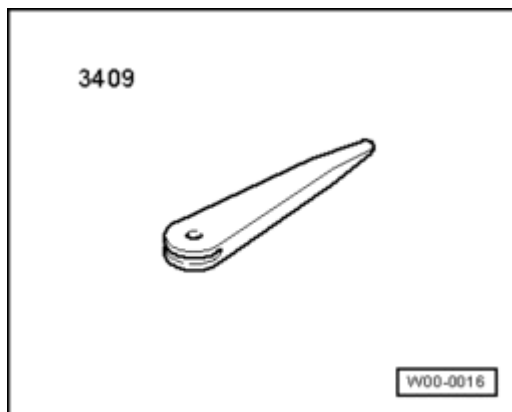
Install in reverse order of removal.

Electro-Mechanical Parking Brake Button E538 , removing and installing

The following components are integrated with Electro-

Mechanical Parking Brake Button E538 :

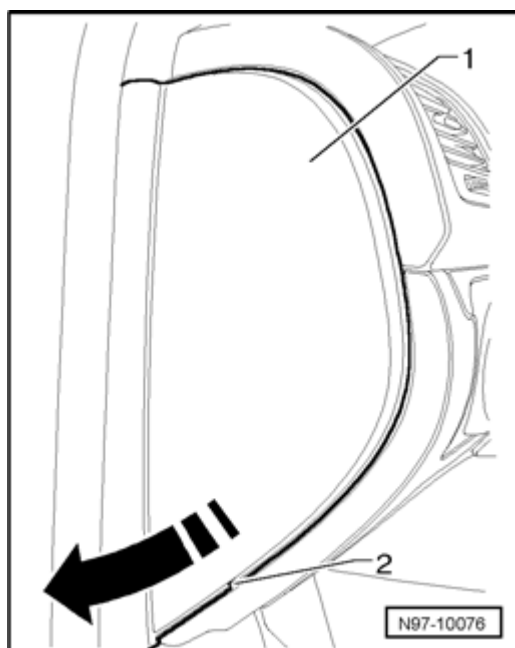
- Electro-mechanical Parking Brake Indicator Lamp K213
- -AUTO HOLD- Indicator Lamp 2 K238

Special tools, testers and auxiliary items required

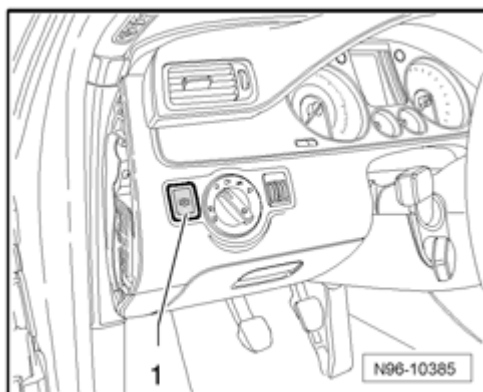
- Trim removal wedge VAS 3409

Removing:***Caution!***

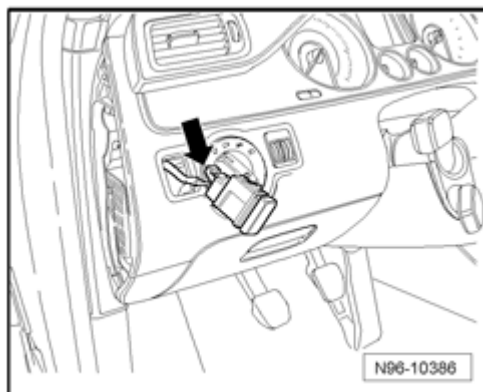
- ***Switch off all electrical consumers.***
- ***Switch ignition off and remove ignition key.***
- ***When removing switches, trim, covers or displays, prevent damage to visible areas by always applying appropriate tape to area surrounding the component, and the tools being used (screwdrivers, wedges etc.).***



- Remove side cover - 1 - of instrument panel, do this by inserting trim removal wedge 3409 or a screwdriver into recess - 2 - and pry off cover - 1 - in direction of - **arrow** - .



- Press Electro-Mechanical Parking Brake Button E538 - 1
- out of instrument panel from rear.



- Release and disconnect electrical connection - **arrow** -

Installing:

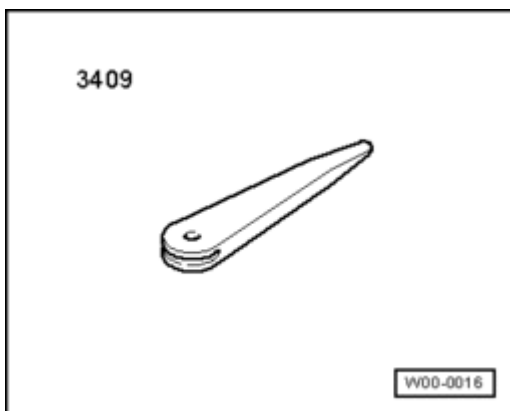
Install in reverse order of removal.

**Front Passengers Airbag Disabled Indicator Lamp K145 ,
removing and installing*****Warning!***

***Special safety precautions apply to vehicles equipped
with airbags***

⇒ [Repair Manual, Body Interior, Repair Group 69,
Airbag, CAUTIONS and WARNINGS](#)

Special tools, testers and auxiliary items required

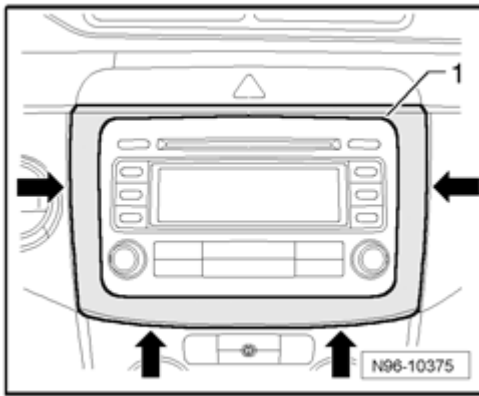


- Trim removal wedge 3409

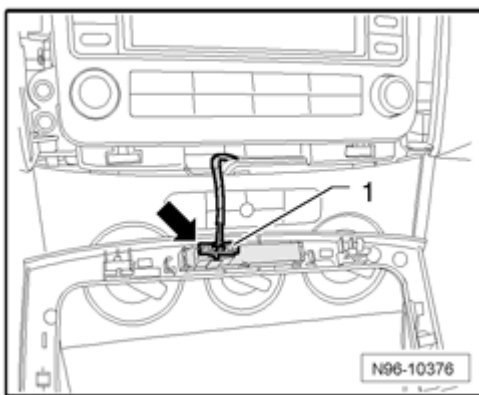
Removing:***Caution!***

- ***Switch off all electrical consumers.***
- ***Switch ignition off and remove ignition key.***
- ***When removing switches, trim, covers or displays, prevent damage to visible areas by always applying appropriate tape to area surrounding the component, and the tools being used (screwdrivers, wedges etc.).***

Volkswagen Technical Site: <http://volkswagen.msk.ru> <http://vwts.info> <http://vwts.ru>
огромный архив документации по автомобилям Volkswagen, Skoda, Seat, Audi



- Carefully pry up trim - **1** - using trim removal wedge VAS 3409 at retainers - **arrows** - .



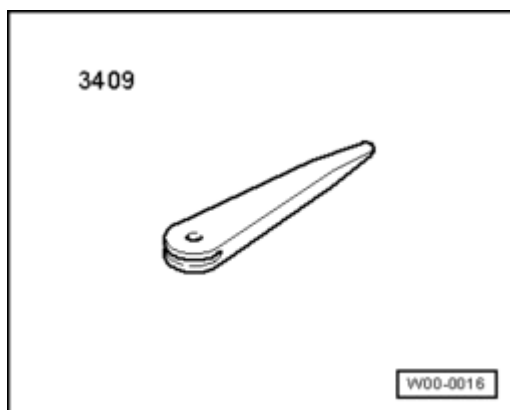
- Release and disconnect electrical connection - **arrow** - .
- Release Front Passengers Airbag Disabled Indicator Lamp K145 - **arrow** - and remove from trim.

Installing:

Install in reverse order of removal.

Glove Compartment Light W6 , removing and installing

Special tools, testers and auxiliary items required

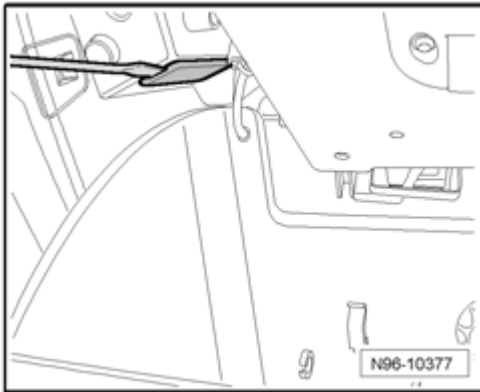


- Trim removal wedge 3409

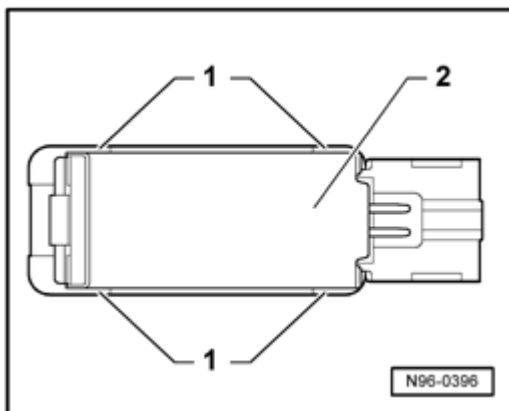
Removing:

Caution!

- **Switch off all electrical consumers.**
- **Switch ignition off and remove ignition key.**
- **When removing switches, trim, covers or displays, prevent damage to visible areas by always applying appropriate tape to area surrounding the component, and the tools being used (screwdrivers, wedges etc.).**

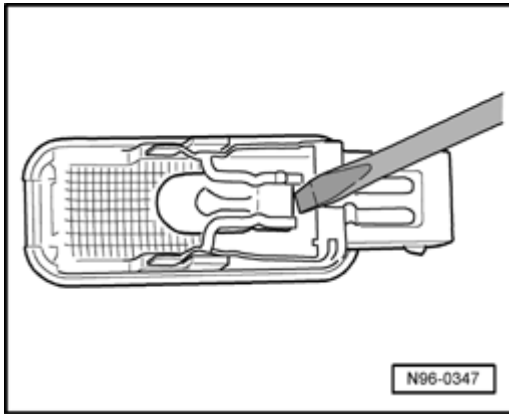


- Carefully pry up Glove Compartment Light W6 using trim removal wedge 3409 or screwdriver.
- Release and disconnect electrical connection.



Bulb, replacing:

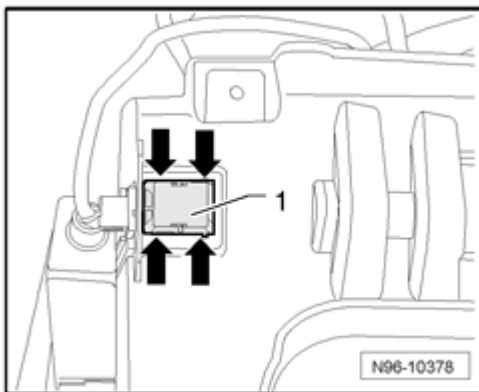
- Disengage retaining tabs - **1** - and remove heat shield - **2** - from diffusion lens of Glove Compartment Light W6 .



- Carefully pry bulb from socket.
- Replace bulb (12 V, 5 W).

Installing:

Install in reverse order of removal.

Glove Compartment Lamp Switch E26 , removing and installing**Note:**

- *The illustration shows Glove Compartment Lamp Switch E26 - 1 - with instrument panel removed. The instrument panel does not need to be removed in order to remove and install the switch.*
- *Glove Compartment Lamp Switch E26 - 1 - can be reached from open glove compartment and can be unclipped.*

Removing:**Caution!**

- **Switch off all electrical consumers.**

- **Switch ignition off and remove ignition key.**

- Unclip Glove Compartment Lamp Switch E26 - **1** - with wiring connected - **arrows A** - .
- Pull Glove Compartment Lamp Switch E26 out from opening, as far as wiring allows, and disconnect electrical connection.

Installing:

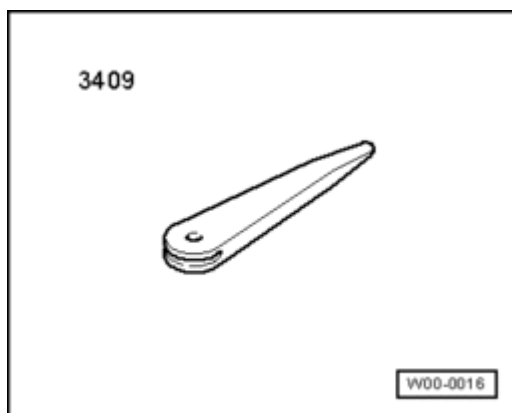
Install in reverse order of removal.

Emergency Flasher Switch E3 , removing and installing

The following components are integrated with Emergency Flasher Switch E3 :

- Emergency Flasher Indicator Lamp K6

Special tools, testers and auxiliary items required



- Trim removal wedge 3409

Note:

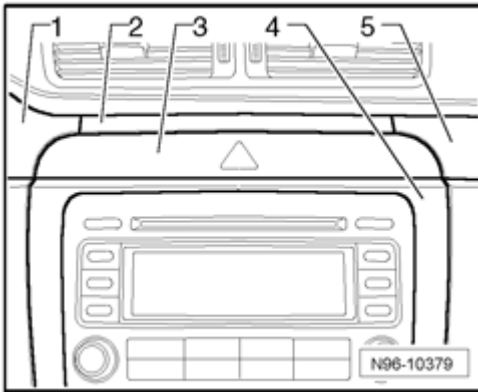
- *Observe trim removal sequence.*

Removing:

Caution!

- **Switch off all electrical consumers.**
- **Switch ignition off and remove ignition key.**

- ***When removing switches, trim, covers or displays, prevent damage to visible areas by always applying appropriate tape to area surrounding the component, and the tools being used (screwdrivers, wedges etc.).***



- Remove trim - **2** - using trim removal wedge 3409

⇒ [*Repair Manual, Body Interior, Repair Group 68, Storage compartments, covers and trim*](#)

.

- Remove trim - **1** - using trim removal wedge 3409

⇒ [*Repair Manual, Body Interior, Repair Group 68, Storage compartments, covers and trim*](#)

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- Remove trim - **5** - using trim removal wedge 3409

⇒ [*Repair Manual, Body Interior, Repair Group 68, Storage compartments, covers and trim*](#)

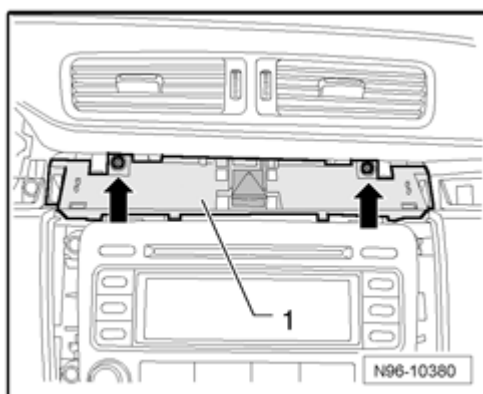
.

- Remove trim - **4** - using trim removal wedge 3409

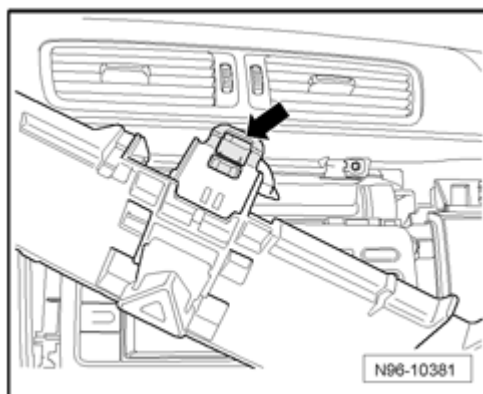
⇒ [Repair Manual, Body Interior, Repair Group 68, Storage compartments, covers and trim](#)

- Remove trim - **3** - using trim removal wedge 3409

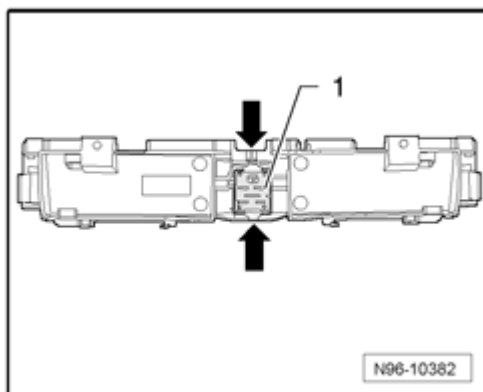
⇒ [Repair Manual, Body Interior, Repair Group 68, Storage compartments, covers and trim](#)



- Remove screws - **arrows** - and remove bracket - **1** - with Emergency Flasher Switch E3 .



- Release and disconnect electrical connection - **arrow** -



- Release tabs - **arrows** - and remove Emergency Flasher Switch E3 - **1** - .

Installing:

Install in reverse order of removal.

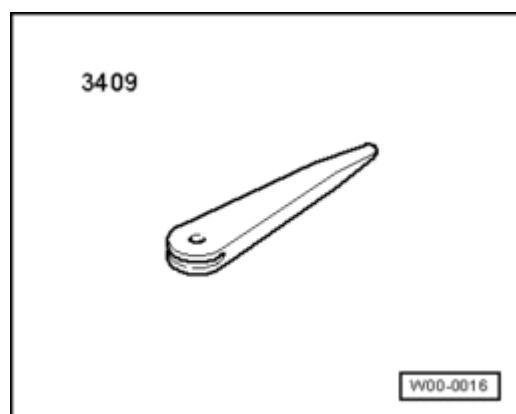
Front Doors - Lights and Switches

Drivers door switch module, removing and installing

Depending on equipment level, the following components are integrated with the drivers door switch module:

- Left Front Window Regulator Switch E40
- Drivers Left Rear Window Regulator Switch E53
- Drivers Right Rear Window Regulator Switch E55
- Drivers Right Front Window Regulator Switch E81
- Child Safety Button E318
- Push Button Illumination L76

Special tools, testers and auxiliary items required



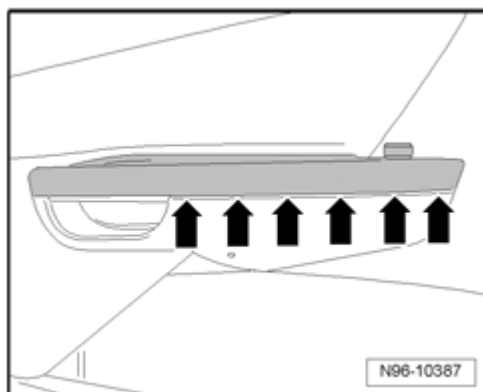
- Trim removal wedge 3409

Removing:

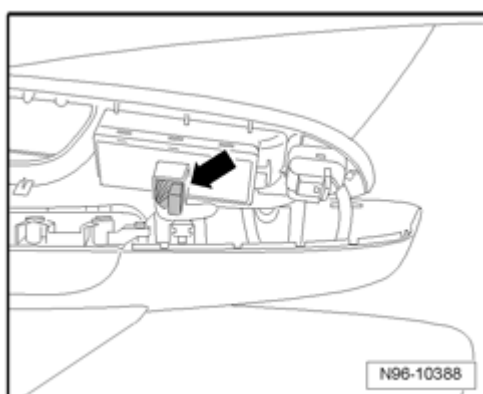
Caution!

- **Switch off all electrical consumers.**
- **Switch ignition off and remove ignition key.**
- **When removing switches, trim, covers or**

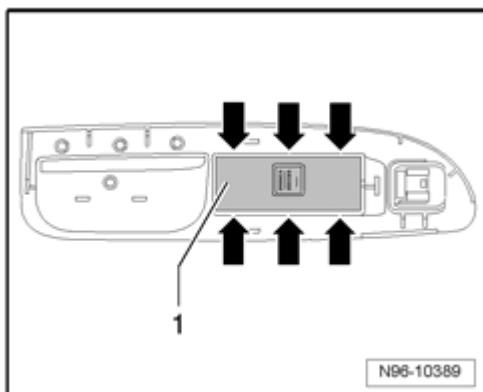
displays, prevent damage to visible areas by always applying appropriate tape to area surrounding the component, and the tools being used (screwdrivers, wedges etc.).



- Carefully pry up grip trim from retainers - **arrows** - using trim removal wedge 3409 .



- Release and disconnect electrical connection - **arrow** - .



- Release retainers - **arrows** - and remove switch module
- **1** - from grip trim.

Installing:

Install in reverse order of removal.

Drivers Interior Locking Button E308 , removing and installing

The following components are integrated with Drivers Interior Locking Button E308 :

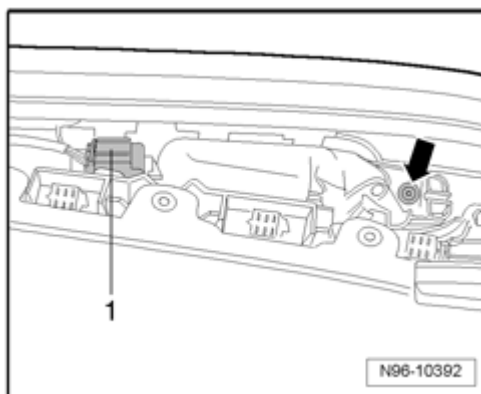
- Push Button Illumination L76
- Drivers Interior Locking Indicator Lamp K174

Removing:***Caution!***

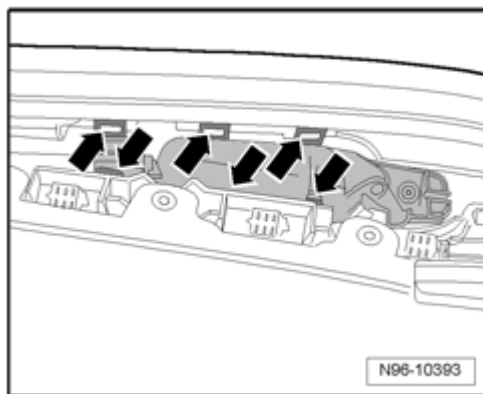
- ***Switch off all electrical consumers.***
- ***Switch ignition off and remove ignition key.***

- Remove door trim

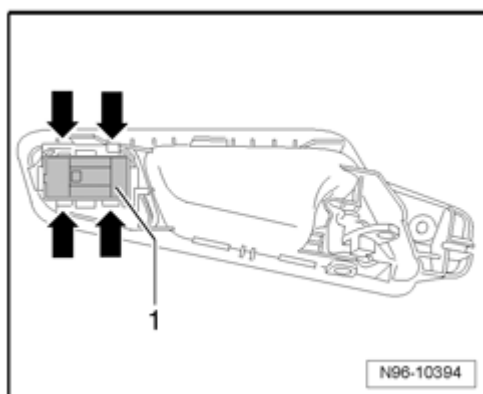
⇒ [*Repair Manual, Body Interior, Repair Group 70, Door trim; front door trim, driver side, removing and installing; removing*](#)



- Release and disconnect electrical connection - **1** - and remove screw - **arrow** - .



- Release retainers - **arrows** - and remove door pull with Drivers Interior Locking Button E308 .



- Release retainers - **arrows** - and remove Drivers Interior Locking Button E308 - **1** - .

Installing:

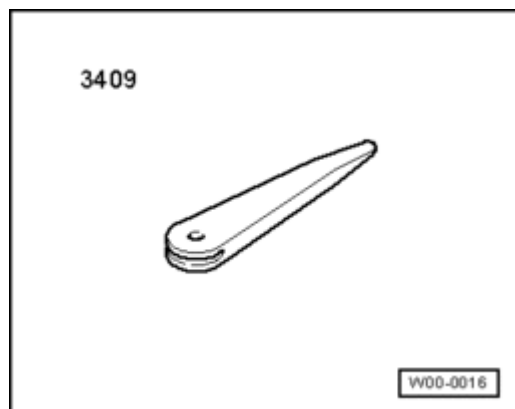
Install in reverse order of removal.

Mirror Adjustment Switch E43 , removing and installing

Depending on equipment level, the following components are integrated with Mirror Adjustment Switch E43 :

- Mirror Selector Switch E48
- Outside Mirror Heating Switch E231
- Mirror Folding Switch E263
- Mirror Adjustment Switch Illumination L78

Special tools, testers and auxiliary items required

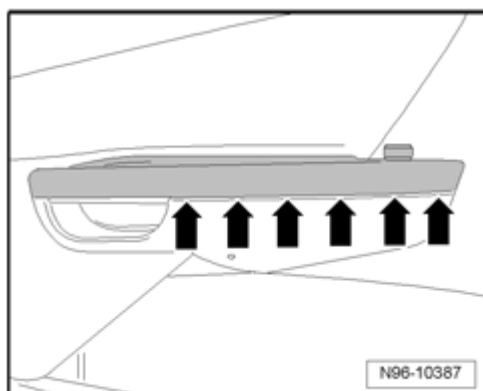


- Trim removal wedge 3409

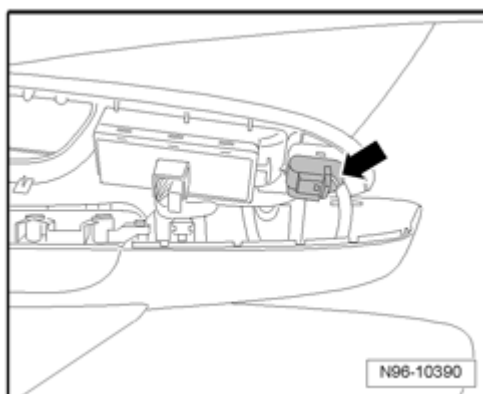
Removing:

Caution!

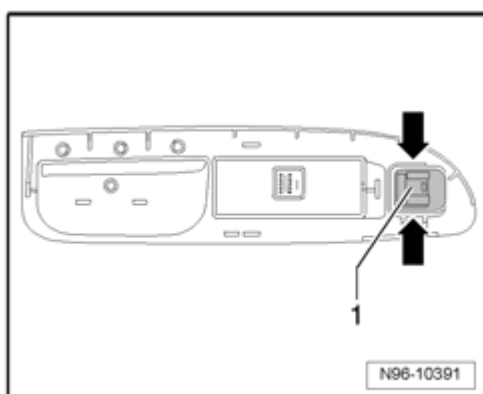
- **Switch off all electrical consumers.**
- **Switch ignition off and remove ignition key.**
- **When removing switches, trim, covers or displays, prevent damage to visible areas by always applying appropriate tape to area surrounding the component, and the tools being used (screwdrivers, wedges etc.).**



- Carefully pry up grip trim from retainers - **arrows** - using trim removal wedge 3409 .



- Release and disconnect electrical connection - **arrow** -



- Release retainers - **arrows** - and remove Mirror Adjustment Switch E43 - **1** - from grip trim.

Installing:

Install in reverse order of removal.

Fuel Filler/Rear Lid Remote Unlocking Button E463 , removing and installing

Removing:

Caution!

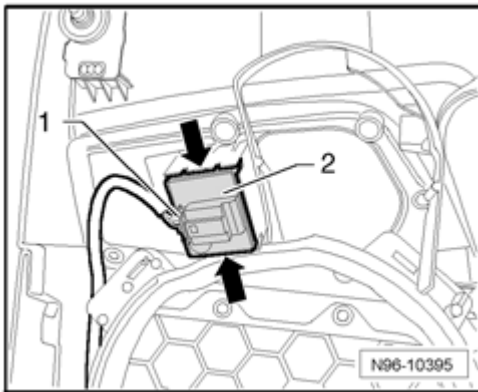
- **Switch off all electrical consumers.**
- **Switch ignition off and remove ignition key.**

- Remove door trim

⇒ [Repair Manual, Body Interior, Repair Group 70, Door](#)

[trim; front door trim, driver side, removing and installing;
removing](#)

- Release and disconnect electrical connection - **1** - .



- Release retainers - **arrows** - and remove Fuel Filler/Rear Lid Remote Unlocking Button E463 - **2** - from door trim.

Installing:

Install in reverse order of removal.

Rear Lid Remote Lock Key Switch E232 , removing and installing

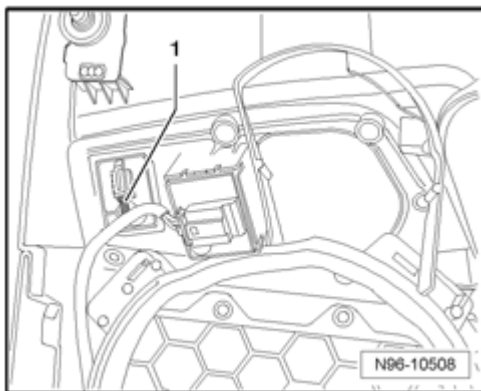
Removing:

Caution!

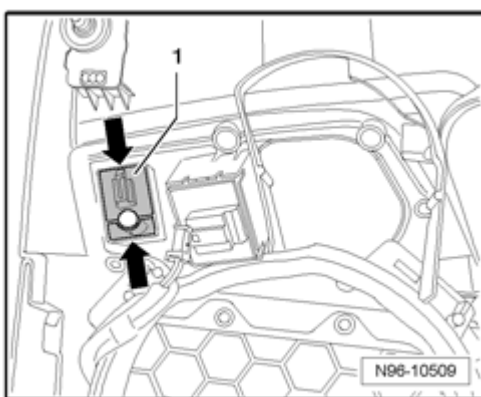
- **Switch off all electrical consumers.**
- **Switch ignition off and remove ignition key.**

- Remove door trim

⇒ [Repair Manual, Body Interior, Repair Group 70, Door trim; front door trim, driver side, removing and installing;
removing](#)



- Release connector lock - **1** - and disconnect electrical connection.



- Depress retainers - **arrows** - and remove switch - **1** - from door trim.

Installing:

Install in reverse order of removal.

Central Locking -SAFE- Indicator Lamp K133

Central Locking -SAFE- Indicator Lamp K133 , removing and installing

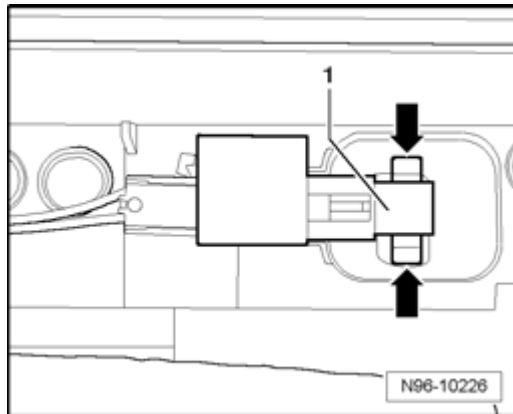
Removing:

Caution!

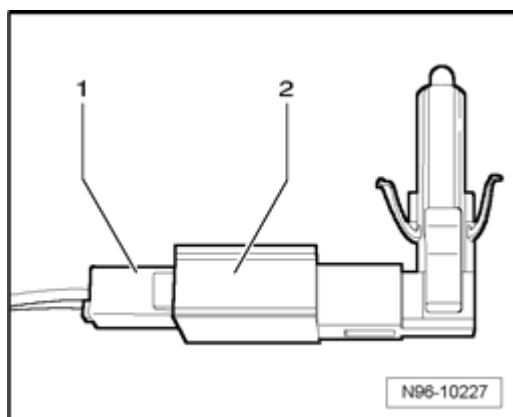
- **Switch off all electrical consumers.**
- **Switch ignition off and remove ignition key.**

- Remove door trim

⇒ [Repair Manual, Body Interior, Repair Group 70, Door trim; front door trim, driver side, removing and installing; removing](#)



- Depress retainers - **arrows** - and unclip Central Locking -SAFE- Indicator Lamp K133 - **1** - from door trim.



- Disconnect electrical connection - **1** - from Central Locking -SAFE- Indicator Lamp K133 - **2** - .

Installing:

Install in reverse order of removal.

Central Locking -SAFE- Indicator Lamp K133 , checking

Central Locking -SAFE- Indicator Lamp K133 function can be checked using Drivers Door Control Module J386 On Board Diagnostic (OBD) program function "Output Diagnostic Test Mode (DTM)" ⇒ [97-6, Drivers Door Control Module J386 , performing Output Diagnostic Test Mode \(DTM\)](#) .

Window Regulator Switch (in RF door) E107 , removing and installing

Note:

- *The Window Regulator Switch (in RF door) E107 also includes Power Window Switch Illumination L53 which cannot be replaced or serviced separately.*

Removing:

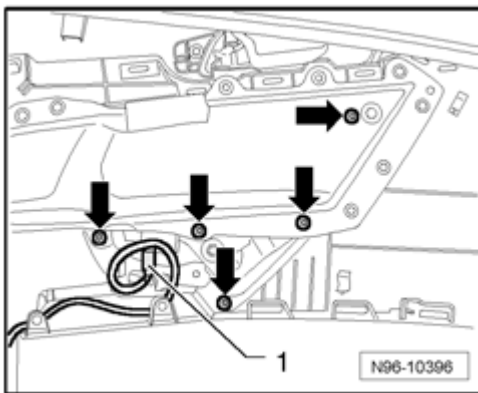
Caution!

- **Switch off all electrical consumers.**
- **Switch ignition off and remove ignition key.**

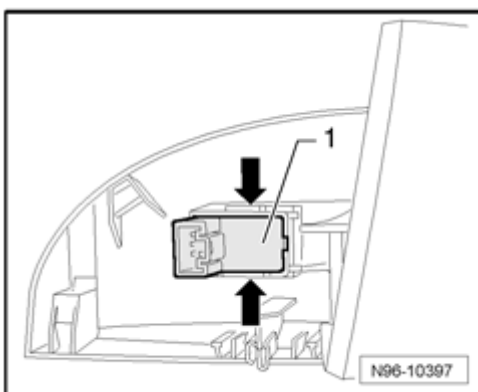
- Remove door trim

⇒ [*Repair Manual, Body Interior, Repair Group 70, Door trim; front door trim, driver side, removing and installing; removing*](#)

- Release and disconnect electrical connection - **1** - .



- Remove screws - **arrows** - and remove grip with Window Regulator Switch (in RF door) E107 .



- Release retainers - **arrows** - and remove switch - **1** - .

Installing:

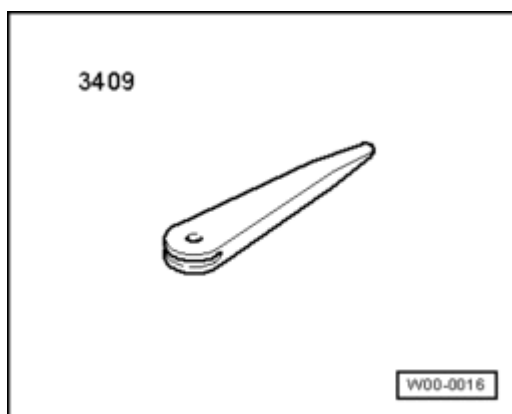
Install in reverse order of removal.

Left Front Entry Light W31 and Right Front Entry Light W32**Note:**

- *Removal and installation for all entry lights is performed in the same way and is only described for one light.*

Entry lights:

- Left Front Entry Light W31
- Right Front Entry Light W32
- Left Rear Entry Light W33
- Right Rear Entry Light W34

Left Front Entry Light W31 and Right Front Entry Light W32 , removing and installing**Special tools, testers and auxiliary items required**

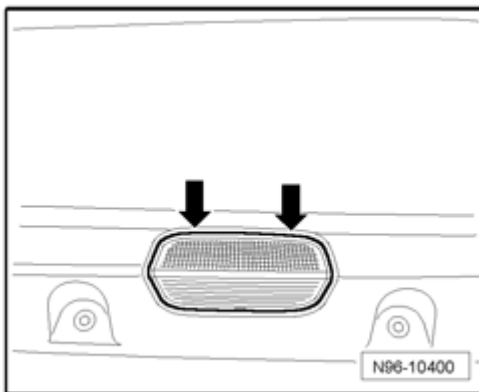
- Trim removal wedge 3409

Note:

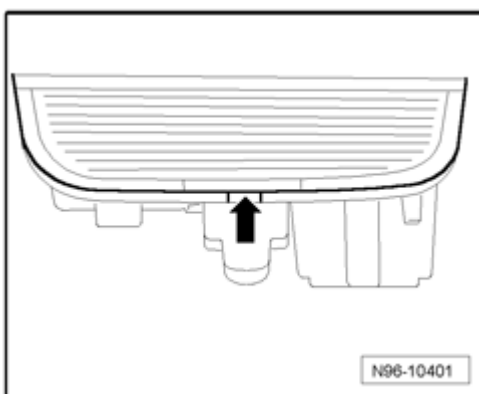
- *Removal and installation for all entry lights is performed in the same way and is only described for one light.*

Removing:**Caution!**

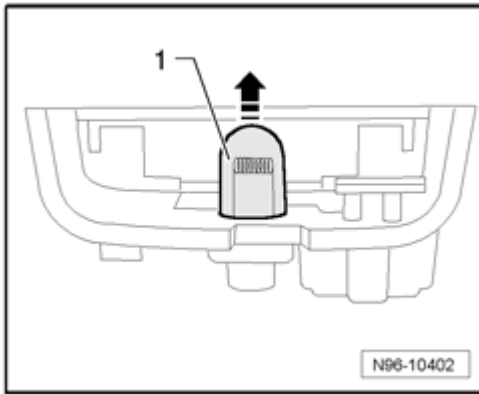
- **Switch off all electrical consumers.**
- **Switch ignition off and remove ignition key.**
- **When removing switches, trim, covers or displays, prevent damage to visible areas by always applying appropriate tape to area surrounding the component, and the tools being used (screwdrivers, wedges etc.).**



- Carefully pry out light using trim removal wedge 3409 or a screwdriver.
- Release and disconnect electrical connection.

Bulb, replacing:

- Carefully pry lens off of housing.



- Carefully pull bulb - 1 - out of socket.
- Replace bulb (12 V, 5 W).

Installing:

Install in reverse order of removal.

Left Front Entry Light W31 , checking

Left Front Entry Light W31 function can be checked using Drivers Door Control Module J386 On Board Diagnostic (OBD) function "Output Diagnostic Test Mode (DTM)" ⇒ [97-6, Drivers Door Control Module J386 , performing Output Diagnostic Test Mode \(DTM\)](#) .

Right Front Entry Light W32 , checking

Right Front Entry Light W32 function can be checked using Front Passengers Door Control Module J387 On Board Diagnostic (OBD) function "Output Diagnostic Test Mode (DTM)" ⇒ [97-6, Front Passengers Door Control Module J387 , performing Output Diagnostic Test Mode \(DTM\)](#) .

Front Door Locks - Electrical Components, overview

Depending on equipment level, the following components are integrated with the drivers door lock:

- Drivers Door Contact Switch F2
- Drivers Door Central Locking Switch F59
- Drivers Door Central Locking Lock Unit F220
- Drivers Door Central Locking System Motor V56
- Drivers Door Central Locking (Safe) Motor V161

Depending on equipment level, the following components are integrated with the front passengers door lock:

- Front Passengers Door Contact Switch F3
- Front Passengers Door Central Locking Lock Unit F221
- Front Passengers Door Central Locking System Motor V57
- Front Passengers Central Locking (Safe) Motor V162

Note:

- *The components listed above cannot be replaced separately.*
- *All components in drivers door lock can be checked using Drivers Door Control Module J386 On Board Diagnostic (OBD) program function "Output Diagnostic Test Mode (DTM)" ⇒ [97-6, Drivers Door Control Module J386 , performing Output Diagnostic Test Mode \(DTM\)](#) .*
- *All components in front passengers door lock can be checked using Front Passengers Door Control Module J387 On Board Diagnostic (OBD) program function "Output Diagnostic Test Mode (DTM)" ⇒ [97-6, Front Passengers Door Control Module J387 , performing Output Diagnostic Test Mode \(DTM\)](#) .*

In the event of front door lock component malfunctions:

- Replace affected door lock

⇒ [Repair Manual, Body Exterior, Repair Group 57, Front door, door lock, removing and installing](#)



Rear Doors - Lights and Switches

Left Rear Window Switch, (in LR door) E52 and Right Rear Window Switch, (in RR door) E54 , removing and installing

Note:

- *Removal and installation of Left Rear Window Switch (In LR Door) E52 and Right Rear Window Switch (In RR Door) E54 is the same and is described for only one switch.*
- *The Left Rear Window Switch (In LR Door) E52 includes Power Window Switch Illumination L53 which cannot be serviced or replaced separately.*
- *The Right Rear Window Switch (In LR Door) E54 includes Power Window Switch Illumination L53 which cannot be serviced or replaced separately.*

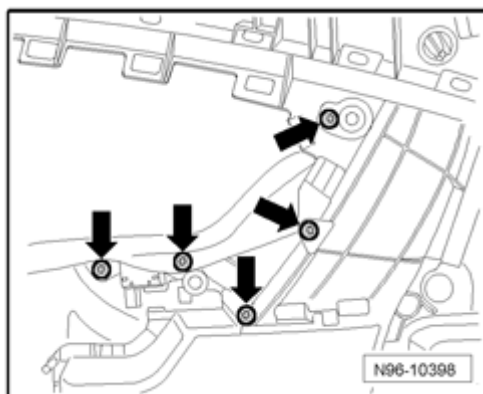
Removing:

Caution!

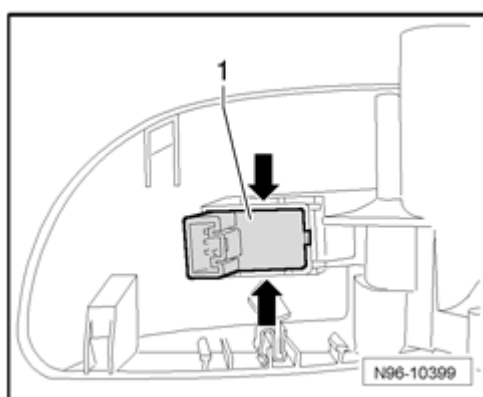
- **Switch off all electrical consumers.**
- **Switch ignition off and remove ignition key.**

- Remove door trim

⇒ [Repair Manual, Body Interior, Repair Group 70, Door trim; rear door trim, removing and installing](#)



- Remove screws - **arrows** - and remove grip with window switch.



- Release retainers - **arrows** - and remove switch - **1** - .

Installing:

Install in reverse order of removal.

Left Rear Entry Light W33 and Right Rear Entry Light W34

Left Rear Entry Light W33 and Right Rear Entry Light W34 , removing and installing

Note:

- Removal and installation for all entry lights is performed in the same way and is only described for one light ⇒ [96-4, Left Front Entry Light W31 and Right Front Entry Light W32 , removing and installing](#) .

Left Rear Entry Light W33 and Right Rear Entry Light W34 , checking

Left Rear Entry Light W33 and Right Rear Entry Light W34 function can be checked using Comfort System Central

Control Module J393 On Board Diagnostic (OBD) program function "Output Diagnostic Test Mode (DTM)" ⇒ [97-6, Comfort System Central Control Module J393 , performing Output Diagnostic Test Mode \(DTM\)](#) .

Rear Door Locks - Electrical Components, overview

Depending on equipment level, the following components are integrated with the left rear door lock:

- Left Rear Door Contact Switch F10
- Left Rear Central Locking Lock Unit F222
- Left Rear Central Locking (Safe) Motor V163
- Left Rear Central Locking (Lock) Motor V214

Depending on equipment level, the following components are integrated with the right rear door lock:

- Right Rear Door Contact Switch F11
- Right Rear Central Locking Lock Unit F223
- Right Rear Central Locking (Safe) Motor V164
- Right Rear Central Locking (Lock) Motor V215

Note:

- *The components listed above cannot be replaced separately.*
- *Left Rear Central Locking Lock Unit F222 and Right Rear Central Locking Lock Unit F223 function can be checked using Comfort System Central Control Module J393 On Board Diagnostic (OBD) program function "Output Diagnostic Test Mode (DTM)" ⇒ [97-6, Comfort System Central Control Module J393 , performing Output Diagnostic Test Mode \(DTM\)](#) .*

In the event of rear door lock component malfunctions:

- Replace affected door lock

⇒ [Repair Manual, Body Exterior, Repair Group 58, Rear door; removing and installing door lock](#)

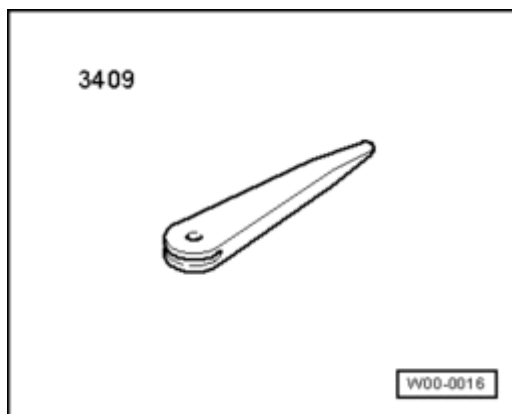
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Luggage Compartment - Lights and Switches

Luggage Compartment Light W3

Luggage Compartment Light W3 , removing and installing

Special tools, testers and auxiliary items required

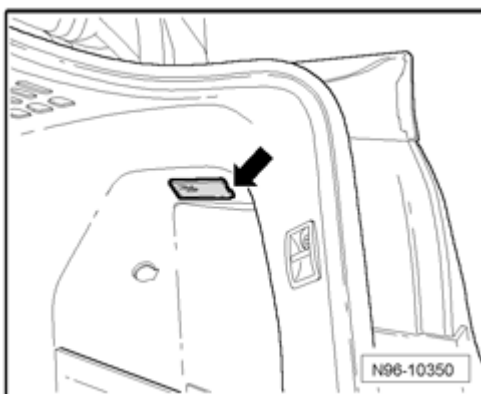


- Trim removal wedge 3409

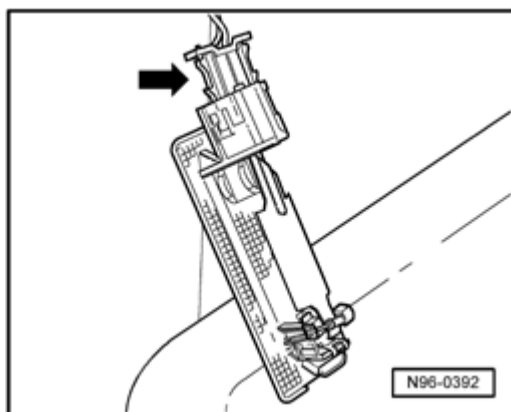
Removing:

Caution!

- **Switch off all electrical consumers.**
- **Switch ignition off and remove ignition key.**

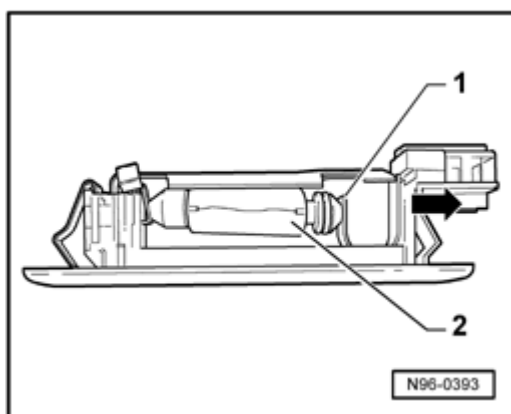


- Carefully pry up Luggage Compartment Light W3 using trim removal wedge 3409 or screwdriver.



- Release and disconnect electrical connection - **arrow** -

Bulb, replacing:



- Push contact plate - **1** - of Luggage Compartment Light W3 in direction of - **arrow** - and remove bulb - **2** - from socket.
- Replace bulb (12 V, 10 W).

Installing:

Install in reverse order of removal.

Rear Lid Lock Unit F256

The following components are integrated with Rear Lid Lock Unit F256 :

- Luggage Compartment Light Switch F5
- Rear Lid Opening Motor V254

Note:

- *The components listed above cannot be replaced*

separately.

- *Rear Lid Lock Unit F256 function can be checked using Comfort System Central Control Module J393 On Board Diagnostic (OBD) function "Output Diagnostic Test Mode (DTM)" ⇒ [97-6, Comfort System Central Control Module J393 , performing Output Diagnostic Test Mode \(DTM\)](#) .*

Rear Lid Lock Unit F256 , removing and installing

Rear Lid Lock Unit F256 is integrated in rear lid lock and cannot be replaced separately.

In the event the Rear Lid Lock Unit F256 malfunctions, the complete rear lid lock must be replaced.

- Rear lid lock, replacing

⇒ [Repair Manual, Body Exterior, Repair Group 55, Rear lid; Locking and unlocking components - assembly overview](#)

.



Headliner - Lights and Switches

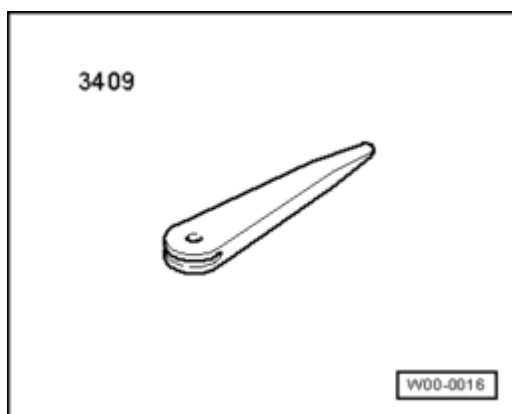
Front interior lights

Depending on equipment level, the following components are integrated with the front interior light module:

- Front Interior Lamp Button E326
- Drivers Reading Light Button E457
- Front Passengers Reading Light Button E458
- Front Interior Light W1
- Left Center Reading Light W39
- Right Center Reading Light W40
- Sunroof Switch E8
- Sunroof Switch Illumination L65
- Telephone Microphone R38

Front interior light module, removing and installing

Special tools, testers and auxiliary items required



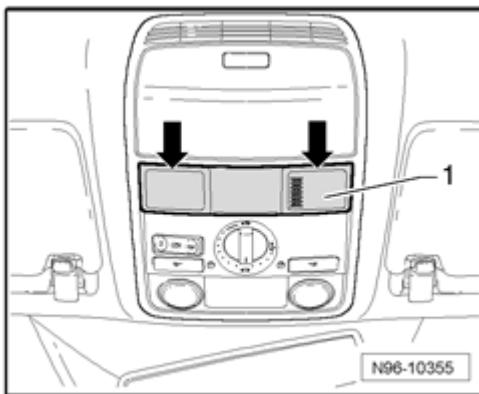
- Trim removal wedge 3409

Volkswagen Technical Site: <http://volkswagen.msk.ru> <http://vwts.info> <http://vwts.ru>
огромный архив документации по автомобилям Volkswagen, Skoda, Seat, Audi

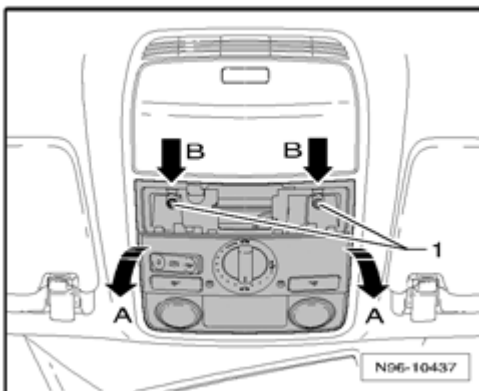
Removing:

Caution!

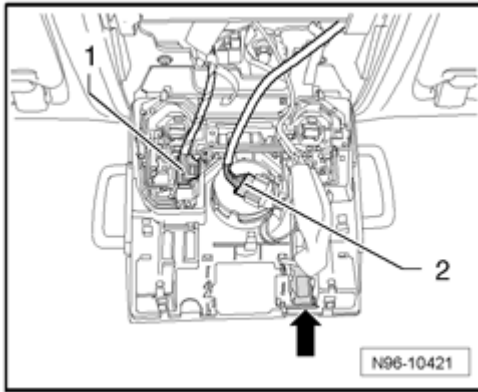
- **Switch off all electrical consumers.**
- **Switch ignition off and remove ignition key.**
- **When removing switches, trim, covers or displays, prevent damage to visible areas by always applying appropriate tape to area surrounding the component, and the tools being used (screwdrivers, wedges etc.).**



- Carefully remove trim - 1 - .



- Remove screws - 1 - , release retainers - **arrows B** - and remove interior light module from headliner opening - **arrow A** - , as far as wiring allows.



- Release and disconnect electrical connections - **1** - and - **2** - .
- On vehicles with voice control, unclip Telephone Microphone R38 - **arrow** - .
- Remove front interior light module.

Installing:

Install in reverse order of removal.

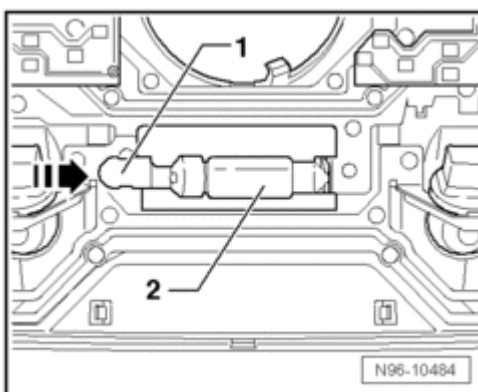
Front Interior Light W1 - bulb, replacing

Removing:

Caution!

- **Switch off all electrical consumers.**
- **Switch ignition off and remove ignition key.**

- Remove front interior light module ⇒ [96-7, Front interior light module, removing and installing](#) .



- Push contact plate - **1** - of Front Interior Light W1 in - **direction of arrow** - and remove soffit - **2** - together with

contact plate from socket.

- Replace bulb (12 V, 10 W).

Installing:

Install in reverse order of removal.

Front Passengers Map/Reading Light W13 and Left Front Reading Light W19 - bulb, replacing

Note:

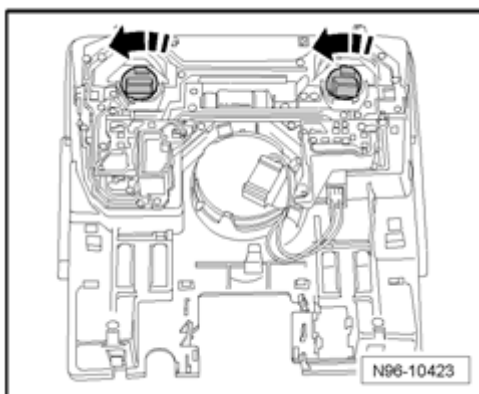
- *Bulb replacement procedure is the same for both reading lights.*

Removing:

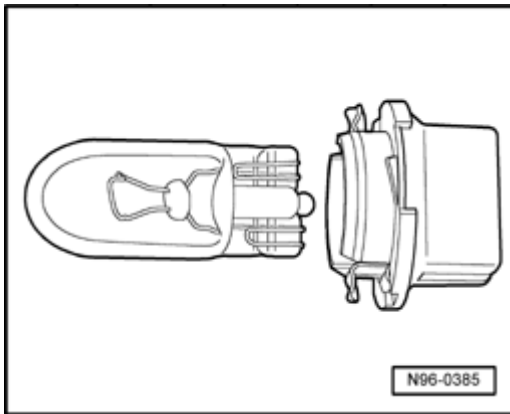
Caution!

- **Switch off all electrical consumers.**
- **Switch ignition off and remove ignition key.**

- Remove front interior light module ⇒ [96-7, Front interior light module, removing and installing](#) .



- Turn light socket in direction of - **arrow** - and remove.



- Carefully remove bulb from socket.
- Replace bulb (12 V, 5 W).

Installing:

Install in reverse order of removal.

Front Interior Lamp Button E326 , Drivers Reading Light Button E457 and Front Passengers Reading Light Button E458 , removing and installing

Note:

- *The Front Interior Lamp Button E326 , Drivers Reading Light Button E457 and Front Passengers Reading Light Button E458 cannot be serviced or replaced separately.*
- *In the event of malfunction, the entire assembly must be replaced.*

Sunroof Switch E8 , removing and installing

Note:

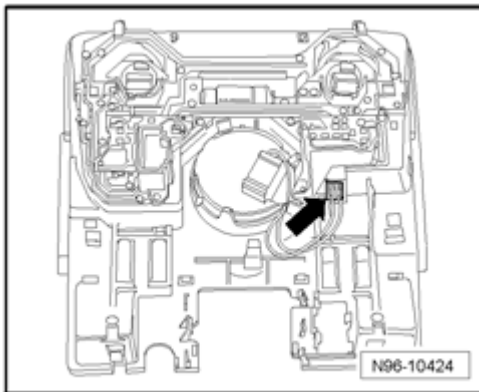
- *The Sunroof Switch Illumination L65 is located in Sunroof Switch E8 .*

Removing:**Caution!**

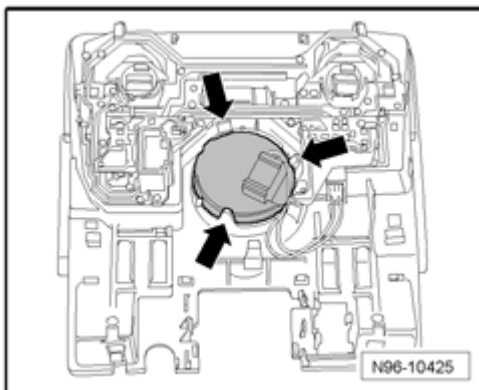
- **Switch off all electrical consumers.**
- **Switch ignition off and remove ignition key.**

- Remove front interior light module ⇒ [96-7, Front interior](#)

[light module, removing and installing](#) .



- Disconnect electrical connection - **arrow** - .



- Release retainers - **arrows** - and remove Sunroof switch E8 from trim.

Installing:

Install in reverse order of removal.

Rear Interior and Reading Lights

The following components are integrated in the rear interior and reading lights:

- Left Rear Reading Light W11
- Right Rear Reading Light W12
- Rear Courtesy Light W43

Note:

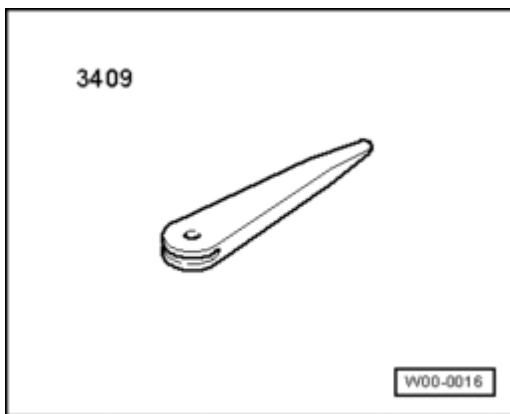
- Removal and installation of all lights is the same ⇒ [96-7, Rear interior and reading lights - bulbs.](#)

replacing

- *Interior and reading lights as well as switches for interior and reading lights are integrated and cannot be serviced or replaced separately. In the event of malfunction, the entire assembly must be replaced.*

Rear interior and reading lights, removing and installing

Special tools, testers and auxiliary items required

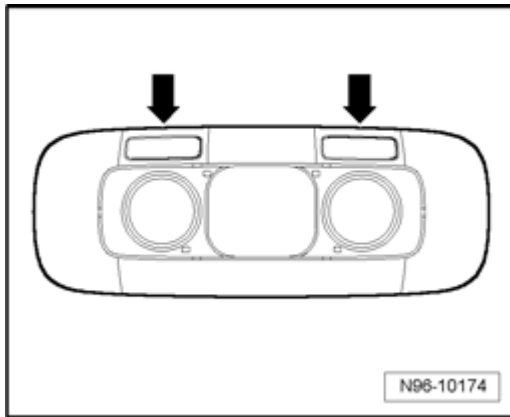


- Trim removal wedge 3409

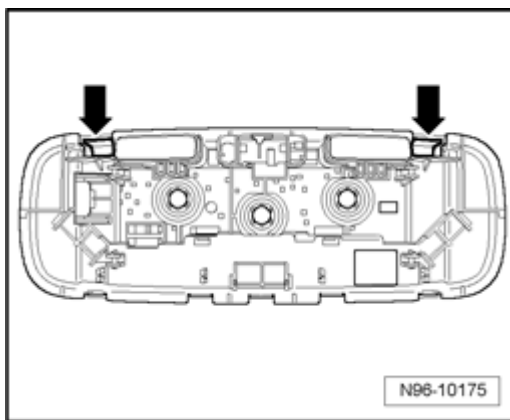
Removing:

Caution!

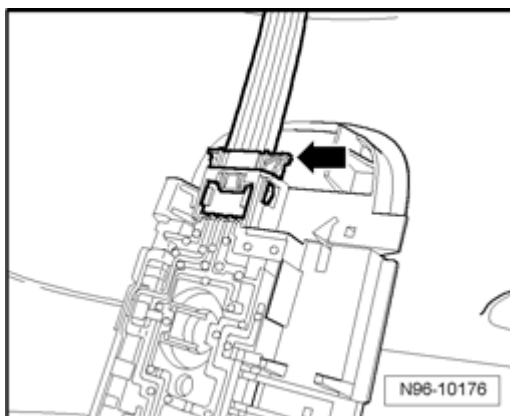
- **Switch off all electrical consumers.**
- **Switch ignition off and remove ignition key.**
- **When removing switches, trim, covers or displays, prevent damage to visible areas by always applying appropriate tape to area surrounding the component, and the tools being used (screwdrivers, wedges etc.).**



- Disengage retainers - **arrows** - and remove panel with diffusion lens from interior and reading lights.



- Disengage retaining tabs - **arrows** - and remove interior and reading lights from headliner.



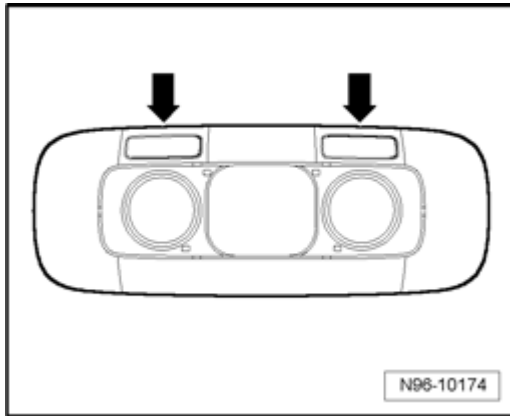
- Release and disconnect electrical connection - **arrow** -

Installing:

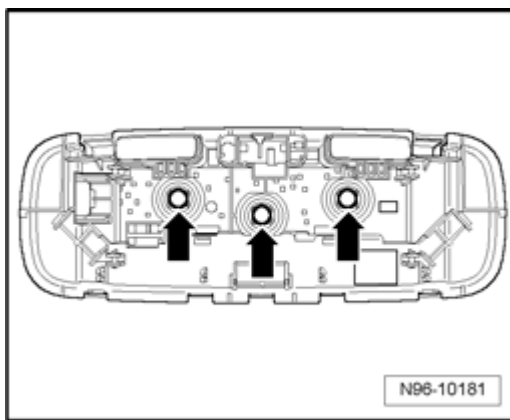
Install in reverse order of removal.

Rear interior and reading lights - bulbs, replacing

Removing:



- Disengage retainers - **arrows** - and remove panel with diffusion lens from interior and reading lights.



- Carefully remove bulb from socket - **arrows** - .
- Replace bulb (12 V, 5 W).

Installing:

Install in reverse order of removal.

Drivers Illuminated Make-up Mirror Light W20 with Drivers Make-Up Mirror Light Contact Switch F147 and Front Passengers Illuminated Make-up Mirror Light W14 with Front Passengers Make-Up Mirror Light Contact Switch F148

The make-up mirror lights and respective contact switches are integrated and cannot be serviced or replaced separately.

In the event of light or contact switch malfunction, replace entire sun visor.

- Replace sun visor

⇒ [Repair Manual, Body Interior, Repair Group 68, Storage](#)

[compartments, covers and trim; Sun Visor \(Simple\), removing and installing](#)

.

- Replace sun visor

⇒ [Repair Manual, Body Interior, Repair Group 68, Storage compartments, covers and trim; Sun Visor \(Double\), removing and installing](#)

.

Garage Door Opener

General information

The garage door opener is integrated with the drivers sun visor. The sun visor contains the Garage Door Opener Control Module J530 , in which is integrated the Garage Door Opener Button 1 E392 , Garage Door Opener Button 2 E393 , Garage Door Opener Button 3 E394 and Garage Door Opener Indicator Lamp K179 .

Garage Door Opener, removing and installing

Note:

- *The garage door opener cannot be serviced or replaced separately. In the event of malfunction, replace entire sun visor.*
- *Additional information:*
- ⇒ *Owners Manual*

Removing:

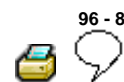
- Replace drivers sun visor

⇒ [Repair Manual, Body Interior, Repair Group 68, Storage compartments, covers and trim; Sun Visor \(Simple\), removing and installing](#)

or

⇒ *Repair Manual, Body Interior, Repair Group 68, Storage compartments, covers and trim; Sun Visor (Double), removing and installing*

.



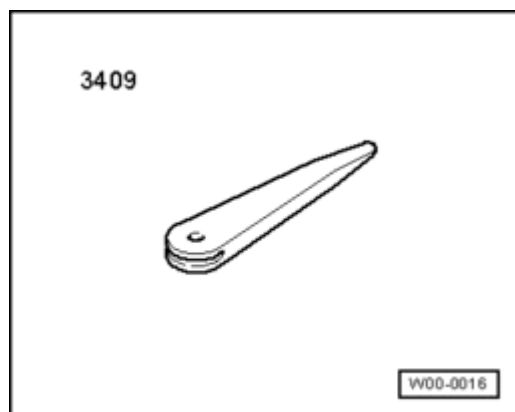
Center Console - Lights and Switches

Center console switches, removing and installing

Removal and installation of the following components is performed in the same way and is only described for one component.

- Rear Window Shade Switch E149
- ASR/ESP Button E256
- Parking Aid Button E266
- Tire Pressure Monitoring Display Button E492
- -AUTO HOLD- Button E540

Special tools, testers and auxiliary items required



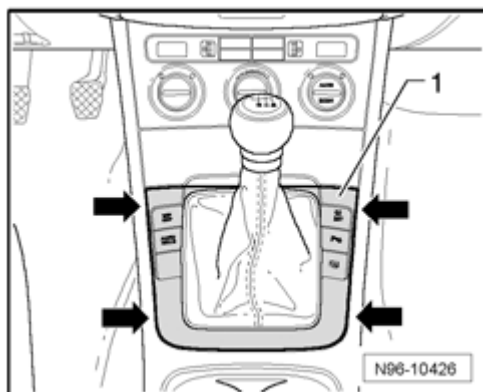
- Trim removal wedge 3409

Removing:

Caution!

- **Switch off all electrical consumers.**
- **Switch ignition off and remove ignition key.**
- **When removing switches, trim, covers or displays, prevent damage to visible areas by**

always applying appropriate tape to area surrounding the component, and the tools being used (screwdrivers, wedges etc.).



- Carefully remove trim - 1 - .
- Disconnect electrical connection.
- Disengage retainers and remove switch.

Installing:

Install in reverse order of removal.

Front Ashtray Light, removing and installing

Ashtray illumination function takes place via Cigarette Lighter Illumination L28 . This is a component of Cigarette Lighter U1 and can only be removed and installed in conjunction with the Cigarette Lighter U1 .

- Cigarette Lighter U1 removing and installing ⇒ [96-8, Cigarette Lighter U1 , removing and installing](#) .

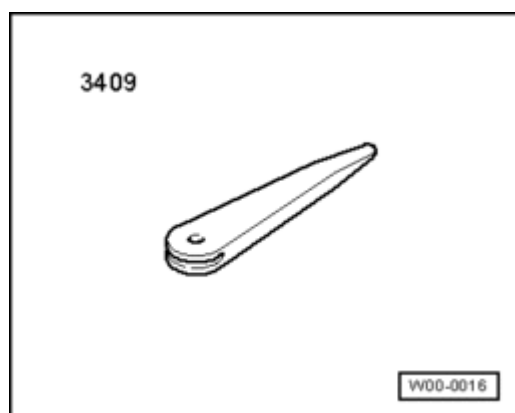
Cigarette Lighter U1 , removing and installing

The Cigarette Lighter U1 is located in the front center console, near the ashtray.

Information not available at time of publication.

Left Rear Heated Seat Regulating Switch E128 and Right Rear Heated Seat Regulating Switch E129 , removing and installing

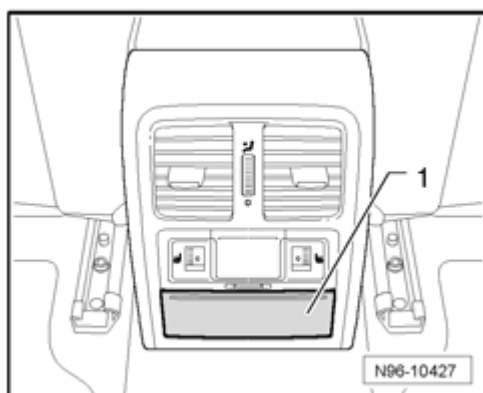
The procedure to remove and install the Left Rear Heated Seat Regulating Switch E128 and Right Rear Heated Seat Regulating Switch E129 is the same.

Special tools, testers and auxiliary items required

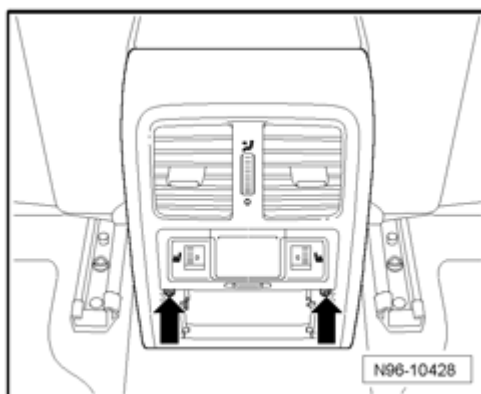
- Trim removal wedge 3409

Removing:***Caution!***

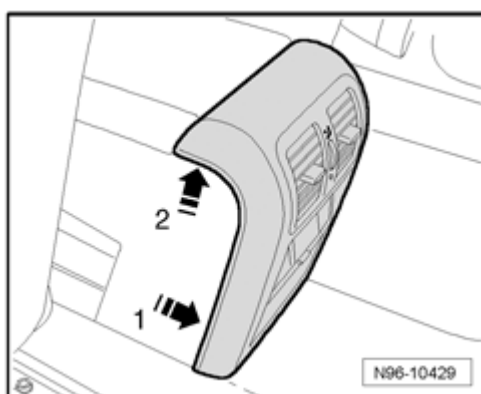
- ***Switch off all electrical consumers.***
- ***Switch ignition off and remove ignition key.***
- ***When removing switches, trim, covers or displays, prevent damage to visible areas by always applying appropriate tape to area surrounding the component, and the tools being used (screwdrivers, wedges etc.).***



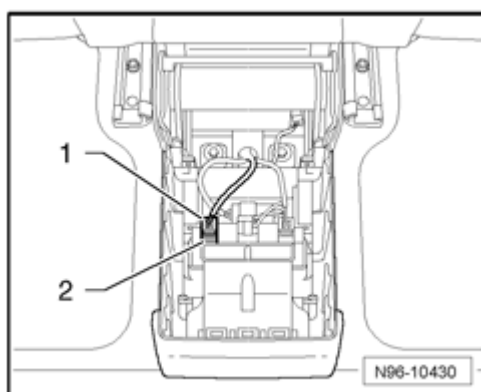
- Carefully remove trim - 1 - .



- Remove screws - **arrows** - .



- First pull trim in direction of - **arrow 1** - towards rear, then in direction of - **arrow 2** - upwards, and remove trim.



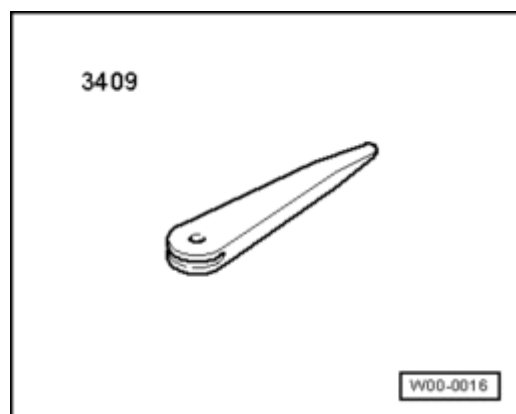
- Release and disconnect electrical connection - **1** - .

- Remove Left Rear Heated Seat Regulating Switch E128 - **2** - from trim.

Installing:

Install in reverse order of removal.

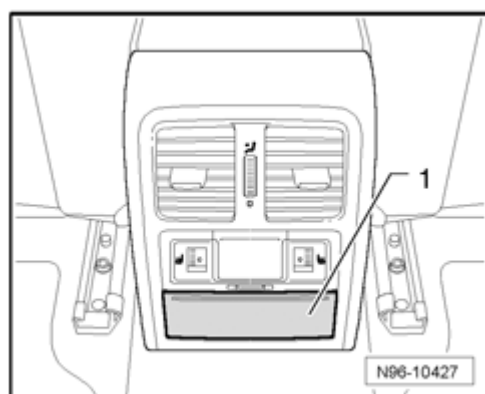
Storage Compartment Illumination L120 , removing and

installing**Special tools, testers and auxiliary items required**

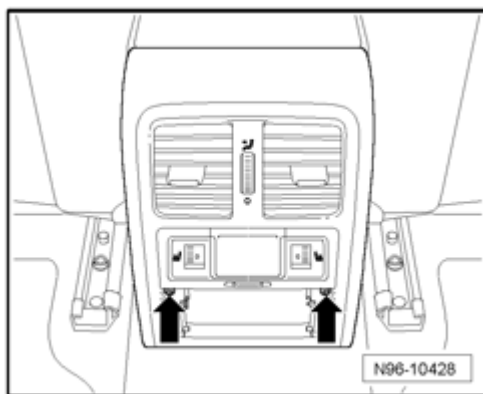
- Trim removal wedge 3409

Removing:**Caution!**

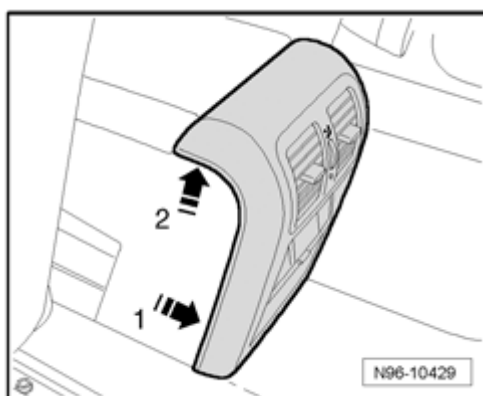
- **Switch off all electrical consumers.**
- **Switch ignition off and remove ignition key.**
- **When removing switches, trim, covers or displays, prevent damage to visible areas by always applying appropriate tape to area surrounding the component, and the tools being used (screwdrivers, wedges etc.).**



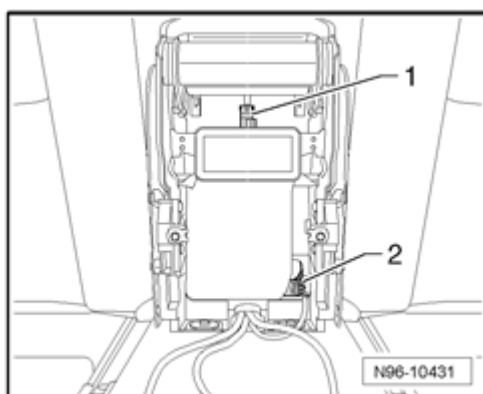
- Carefully remove trim - 1 - .



- Remove screws - **arrows** - .



- First pull trim in direction of - **arrow 1** - towards rear, then in direction of - **arrow 2** - upwards, and remove trim.



- Unclip, release and disconnect electrical connection - **2** - .

- Unclip Storage Compartment Illumination L120 - **1** - and remove with cable.

Installing:

Install in reverse order of removal.

Horn

High Tone Horn H2 and Low Tone Horn H7 , removing and installing

Note:

- *High Tone Horn H2 and Low Tone Horn H7 are activated in parallel by Vehicle Electrical System Control Module J519 .*
- *Removal and installation procedure for both horns is the same.*
- *High Tone Horn H2 is installed at left and Low Tone Horn H7 is installed at right, next to radiator.*

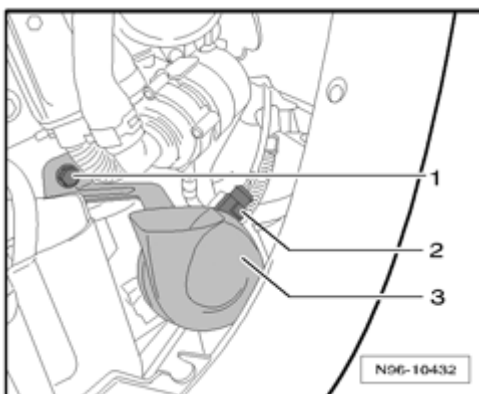
Removing:

Caution!

- **Switch off all electrical consumers.**
- **Switch ignition off and remove ignition key.**

- Remove noise insulation

⇒ [Repair Manual, Body Exterior, Repair Group 50, front body; noise insulation](#)



- Disconnect electrical connection - **2** - .
- Remove screw - **1** - and remove horn - **3** - with

bracket.

Installing:

- Install in reverse order of removal, noting the following:
- Torque all fasteners according to value in table ⇒ [96-12, Lights, Switches - Interior, Anti-theft, tightening torques](#) .

High Tone Horn H2 and Low Tone Horn H7 , checking

High Tone Horn H2 and Low Tone Horn H7 function can be checked using Vehicle Electrical System Control Module J519 On Board Diagnostic (OBD) program function "Output Diagnostic Test Mode (DTM)" ⇒ [97-6, Vehicle Electrical System Control Module J519 , Output Diagnostic Test Mode \(DTM\)](#) .

Signal Horn Activation H

Signal Horn Activation occurs via the spring-bearing cover in center of steering wheel. Depending on equipment, signal horn activation is either a structural component of steering wheel or integrated in the drivers side airbag unit and cannot be replaced separately. If signal horn activation is malfunctioning, replace drivers side airbag unit or steering wheel.

Removing drivers side airbag unit

⇒ [Repair Manual, Body Interior, Repair Group 69, Airbag: removing and installing drivers side airbag unit](#)

.

Removing steering wheel

⇒ [Repair Manual, Suspension, Wheels, Steering, Repair Group 48, Assembly overview of steering column: removing and installing steering wheel](#)

.

Checking signal horn activation

- Connect Vehicle Diagnosis, Testing and Information System VAS 5051A ⇒ [97-1, VAS 5051 / 5052](#) .
- In Vehicle Diagnosis, Testing and Information System VAS 5051A , select operating mode "Guided Fault

Finding" .

- Via the "Go to" button, select "Function-/Component selection" and the following menu points in sequence:

- Body
- Electrical system
- 01 - On Board Diagnostic (OBD) capable systems
- Steering wheel electronics
- Electrical components
- H - Signal Horn Activation

Anti-theft Immobilizer

General information

The Passat is equipped with Anti-theft Immobilizer 4 with online connection. The essential component of Anti-theft Immobilizer 4 is a central database in which all anti-theft relevant data of the participating control modules are stored. It is not possible to adapt participating control modules to the anti-theft immobilizer without an online connection to this database.

Online system test ⇒ [96-10, Online system test](#)

Modifications from Immobilizer 3:

- It is not possible to request the PIN of anti-theft immobilizer components via fax or earlier clearing of the components.
- All components participating in the anti-theft immobilizer must be adapted online.
- All vehicle keys--including subsequently ordered keys--have already been precoded by the factory for a specific vehicle and can only be adapted to this vehicle.
- The subsequent ordering of vehicle keys must be performed via entry of the respective Vehicle Identification Number (VIN).
- It is no longer possible to perform adaptation on components originating from other VWAG brands in Volkswagen vehicles.

Note:

- *Should an attempt be made to start vehicle using a wrong key (i.e.: from another vehicle), the key will remain locked in the. On automatic transmission models, remove locked key by first depressing shifter lever button. Information on removal of locked (wrong) key on manual transmission models not available at time of publication.*

Before troubleshooting or servicing, technicians must be

familiar with the functions and operation specifics of the anti-theft immobilizer system. Always read the owners manual and review applicable system functions.

Components of anti-theft immobilizer:

- Anti-Theft Immobilizer Control Module J362 ⇒ [96-10, Anti-Theft Immobilizer Control Module J362](#)
- Electronic Steering Column Lock Control Module J764 ⇒ [96-10, Electronic Steering Column Lock Control Module J764](#)
- Electronic Ignition Switch D9 ⇒ [96-10, Electronic Ignition Switch D9](#)
- Engine Control Module (ECM) J623

⇒ *Repair Manual, Engine Mechanical, Fuel Injection Ignition, Repair Group 24, Engine Control Module (ECM)*

- Ignition Key ⇒ [96-10, Ignition Key](#)

Replacing all immobilizer components ⇒ [96-10, New identity when replacing all components](#)

Functions of Anti-Theft Immobilizer Control Module J362 :

- Stores all anti-theft-relevant data in central database via online connection.
- Communication amongst all components participating in the anti-theft immobilizer.
- Data encryption between participating control modules.

Note:

- *Additional information:*

⇒ *Owners Manual*

⇒ *Self Study Program - Course Number 891503 "The 2006 Passat Introduction"*

⇒ *Self Study Program - Course Number 871503 "The 2006 Passat Electrical Systems Design and Function"*

⇒ *Electrical Wiring Diagrams, Troubleshooting and Component Locations binder*

CAN-Bus wire repairs ⇒ [97-8, Repairing CAN-Bus wires](#)

On Board Diagnostic (OBD), function

The immobilizer is equipped with On Board Diagnostic (OBD) capabilities which aids in troubleshooting.

For troubleshooting, use Vehicle Diagnostic, Testing and Information System VAS 5051/5052 in operating mode "Guided Fault Finding" .

Anti-Theft Immobilizer Control Module J362

The Anti-theft Immobilizer Control Module J362 is integrated with the Comfort System Central Control Module J393 .

In the event of immobilizer control module malfunctions, the Comfort System Central Control Module J393 must be replaced.

- Comfort System Central Control Module J393 , removing and installing ⇒ [97-6, Comfort System Central Control Module J393 , removing and installing](#)

Note:

- *Should the Comfort System Central Control Module J393 require replacement, always read the coding stored in the control module by performing On Board Diagnostic (OBD) program function "Comfort System Central Control Module, replacing/coding" ⇒ [97-6, Comfort System Central Control Module J393 , replacing/coding](#) .*
- *After replacing Comfort System Central Control Module J393 , other functions of Comfort System Central Control Module such as "Anti-theft Immobilizer" , "Anti-theft Alarm System" , "tire pressure monitoring" and central locking system key must also be adapted, depending on vehicle equipment.*

- *In this case, start by adapting the Anti-theft Immobilizer ⇒ [96-10, Adapting Anti-Theft Immobilizer Control Module J362](#) and then the other equipment-dependent functions of Comfort System Central Control Module J393 in any order.*

Adapting Anti-Theft Immobilizer Control Module J362

Anti-theft immobilizer must be adapted after replacing Comfort System Central Control Module J393 .

- Connect Vehicle Diagnostic, Testing and Information System VAS 5051/5052 ⇒ [97-1, VAS 5051 / 5052](#) .
- In Vehicle Diagnostic, Testing and Information System VAS 5051/5052 , select operating mode "Guided Fault Finding" .
- Using the "Go To" button, select "Functions/Component selection" and the following menu options in sequence:
 - Body
 - Electrical system
 - 01 - On Board Diagnostic (OBD) capable systems
 - Anti-theft Immobilizer
 - Anti-theft Immobilizer functions
 - Adaptation when replacing Anti-theft Immobilizer

Anti-Theft Immobilizer Reading Module D1

The Anti-Theft Immobilizer Reading Module D1 is integrated with Electronic Ignition Switch D9 and cannot be serviced or replaced separately.

Electronic Ignition Switch D9 : ⇒ [96-10, Electronic Ignition Switch D9](#)

Electronic Ignition Switch D9

Depending on equipment level, the following components are integrated with Electronic Ignition Switch D9 :

- Anti-Theft Immobilizer Reading Module D1

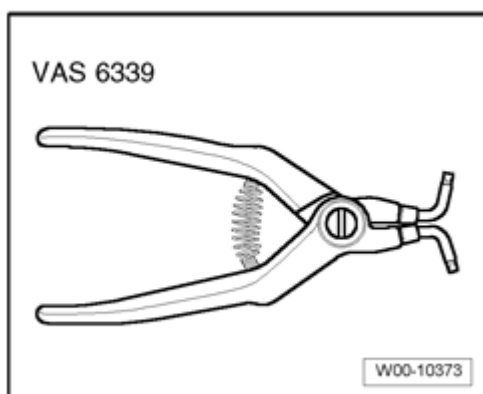
- Push Button Illumination L76
- Ignition Switch Key Lock Solenoid N376 (vehicles with automatic transmission only)

Note:

- *Should an attempt be made to start vehicle using a wrong key (i.e.: from another vehicle), the key will remain locked. On automatic transmission models, remove locked key by first depressing shifter lever button. On manual transmission models, remove locked key by first depressing foot brake.*

Electronic Ignition Switch D9 , removing and installing**Note:**

- *No coding, basic setting or adaptation is necessary if Electronic Ignition Switch D9 is replaced.*

Special tools, testers and auxiliary items required

- Special Pliers VAS6339

Removing:**Caution!**

- **Switch off all electrical consumers.**
- **Switch ignition off and remove ignition key.**

- Remove steering wheel

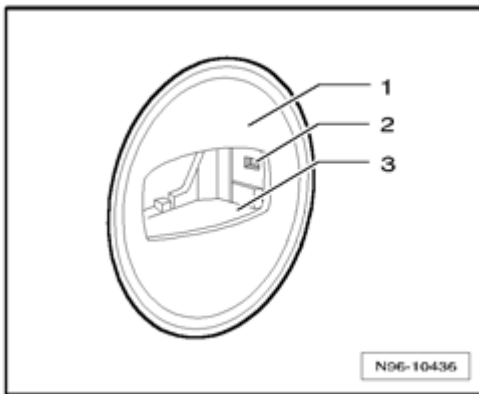
⇒ [Repair Manual, Body Interior, Repair Group 69, Airbag](#)

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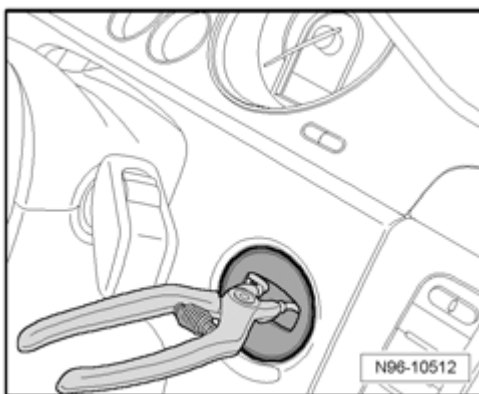
- Remove drivers side trim

⇒ [Repair Manual, Body Interior, Repair Group 68, storage compartments, covers and panels](#)

.

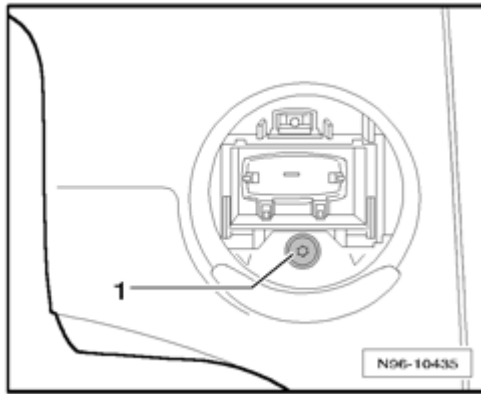


- Press cover - **3** - of trim - **1** - downward with a small screwdriver in order to access the trim retainers - **2** - .

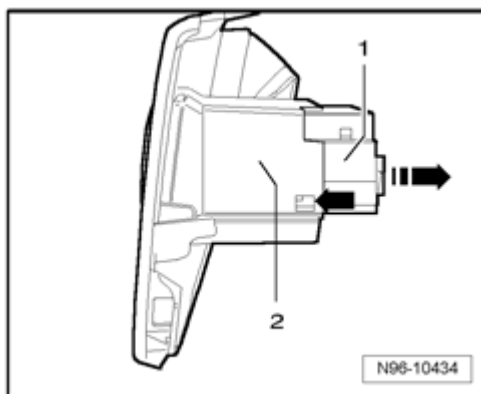


- Release trim retainers using Special Pliers VAS6339 (or an appropriate angled tool) - **as illustrated** - .

- Remove trim .



- Remove screw - **1** - .



- Release retainers - **arrow** - on both sides and remove electronic ignition switch - **2** - in direction of - **arrow** - from trim - **1** - .

Installing:

Install in reverse order of removal.

Note:

- *When installing, ensure that switch is properly secured in drivers trim.*

Checking Electronic Ignition Switch D9

- Connect Vehicle Diagnostic, Testing and Information System VAS 5051/5052 ⇒ [97-1, VAS 5051 / 5052](#) .
- In Vehicle Diagnostic, Testing and Information System VAS 5051/5052 , select operating mode "Guided Fault Finding" .
- Using the "Go To" button, select "Functions/Component selection" and the following menu options in sequence:

- Body

- Electrical system
- 01 - On Board Diagnostic (OBD) capable systems
- Anti-theft Immobilizer
- Electrical components of anti-theft immobilizer
- Electronic Ignition Switch D9

Electronic Steering Column Lock Control Module J764

The Steering Column Lock Actuator N360 is integrated in the Electronic Steering Column Lock Control Module J764 . Steering Column Lock Actuator N360 cannot be replaced separately.

Authorization to lock and unlock the steering column occurs via the Anti-Theft Immobilizer Control Module J362 in the Comfort System Central Control Module J393 .

The Electronic Steering Column Lock Control Module J764 is attached to the steering column with shear bolts, and in the event of malfunction can only be replaced as part of the complete steering column. The Comfort System Central Control Module J393 must also be replaced.

Electronic Steering Column Lock Control Module J764 , removing and installing

Note:

- *Electronic Steering Column Lock Control Module J764 is secured to steering column with shear bolts and may only be replaced as part of the complete steering column.*
- *All information regarding further procedures are obtained via the Vehicle Diagnostic, Testing and Information System VAS 5051/5052 .*
- *If Electronic Steering Column Lock Control Module J764 is to be replaced, in any case the work procedure "Adapt Electronic Steering Column Lock Control Module" must be performed beforehand ⇒ [96-10, Adapting Electronic Steering Column Lock](#)*

Control Module J764 .

- Remove steering column with Electronic Steering Column Lock Control Module J764

⇒ *Repair Manual, Suspension, Wheels, Steering, Repair Group 48,*

.

Adapting Electronic Steering Column Lock Control Module J764

- Connect Vehicle Diagnostic, Testing and Information System VAS 5051/5052 ⇒ [97-1, VAS 5051 / 5052](#) .
- In Vehicle Diagnostic, Testing and Information System VAS 5051/5052 , select operating mode "Guided Fault Finding" .
- Using the "Go To" button, select "Functions/Component selection" and the following menu options in sequence:
 - Body
 - Electrical system
 - 01 - On Board Diagnostic (OBD) capable systems
 - Anti-theft Immobilizer
 - Anti-theft Immobilizer functions
 - Adaptation of electronic steering column lock and anti-theft immobilizer

Checking Electronic Steering Column Lock Control Module J764

- Connect Vehicle Diagnostic, Testing and Information System VAS 5051/5052 ⇒ [97-1, VAS 5051 / 5052](#) .
- In Vehicle Diagnostic, Testing and Information System VAS 5051/5052 , select operating mode "Guided Fault Finding" .
- Using the "Go To" button, select "Functions/Component

selection" and the following menu options in sequence:

- Body
- Electrical system
- 01 - On Board Diagnostic (OBD) capable systems
- Anti-theft Immobilizer
- Electrical components of anti-theft immobilizer
- J764 Electronic Steering Column Lock Control Module

Ignition Key

The ignition key is designed without a key bit as the vehicle is started for the first time using a sliding motion and not a rotational motion. The reading coil for key identification and an emergency key is integrated in the ignition key. The emergency key is used to unlock the drivers door mechanically in the event it is not possible to open via remote control. Emergency key is inserted in the ignition key and can be disengaged by pressing the side button in two stages.

Stop position 1 = emergency key is completely inserted

Stop position 2 = key-ring attachment ring can be used - emergency key remains locked

Switching on the various terminal voltages (terminal S, terminal 15) and the start procedure is performed via a sliding motion of the ignition key in Electronic Ignition Switch D9 . The following switch positions are possible via sliding motions of the ignition key:

- P0 - Off (ignition off)
- P1 - S-contact on
- P2 - terminal 15 on
- P3 - terminal 15 drive (ignition key springs back into this position automatically after starting procedure)

- P4 - terminal 50 on

Ignition key lost

All vehicle keys--including subsequently ordered keys--have already been precoded by the factory for a specific vehicle and can only be adapted to this vehicle. The subsequent ordering of vehicle keys must be performed via entry of the respective Vehicle Identification Number (VIN) and then the new keys must be adapted to the Comfort System Central Control Module J393 .

Note:

- *If the complete lock-set (all keys and lock cylinder) is replaced, Electronic Steering Column Lock Control Module J764 must also be replaced together with the Comfort System Central Control Module J393 .*
- *The function "New identity when replacing all components" must be called up ⇒ [96-10, New identity when replacing all components](#) before removing the lock-set or the control modules.*

Adapting ignition key to Comfort System Central Control Module J393 ⇒ [96-10, Adapting ignition key](#)

Check ignition key ⇒ [96-10, Checking ignition key](#) .

Adapting ignition key

Adapting ignition key to Comfort System Central Control Module J393 :

- Connect Vehicle Diagnostic, Testing and Information System VAS 5051/5052 ⇒ [97-1, VAS 5051 / 5052](#) .

- In Vehicle Diagnostic, Testing and Information System VAS 5051/5052 , select operating mode "Guided Fault Finding" .

- Using the "Go To" button, select "Functions/Component selection" and the following menu options in sequence:

- Body
- Electrical system

- 01 - On Board Diagnostic (OBD) capable systems
- Anti-theft Immobilizer
- Anti-theft Immobilizer functions
- Ignition key adaptation

Checking ignition key

- Connect Vehicle Diagnostic, Testing and Information System VAS 5051/5052 ⇒ [97-1, VAS 5051 / 5052](#) .
- In Vehicle Diagnostic, Testing and Information System VAS 5051/5052 , select operating mode "Guided Fault Finding" .
- Using the "Go To" button, select "Functions/Component selection" and the following menu options in sequence:
 - Body
 - Electrical system
 - 01 - On Board Diagnostic (OBD) capable systems
 - Anti-theft Immobilizer
 - Electrical components of anti-theft immobilizer
 - Ignition Key

New identity when replacing all components

This program performs all required steps necessary for new installation of all immobilizer components.

- Connect Vehicle Diagnostic, Testing and Information System VAS 5051/5052 ⇒ [97-1, VAS 5051 / 5052](#) .
- In Vehicle Diagnostic, Testing and Information System VAS 5051/5052 , select operating mode "Guided Fault Finding" .
- Using the "Go To" button, select "Functions/Component selection" and the following menu options in sequence:

- Body
- Electrical system
- 01 - On Board Diagnostic (OBD) capable systems
- Anti-theft Immobilizer
- Anti-theft Immobilizer functions
- New identity when replacing all components

Online system test

The following steps will be performed by this test program:

- System test for online connection
- Test of user authorization
- Test of correct wire connection to Volkswagen database

The requirements for this is the online connection (network connection) of the tester

- Connect Vehicle Diagnosis, Testing and Information System VAS 5051A ⇒ [97-1, VAS 5051 / 5052](#) .

- In Vehicle Diagnosis, Testing and Information System VAS 5051A , select operating mode "Guided Fault Finding" .

- Via the "Go to" button, select "Function-/Component selection" and the following menu points in sequence:

- Body
- Electrical system
- 01 - On Board Diagnostic (OBD) capable systems
- Immobilizer

- Immobilizer functions
- Online system test

Anti-Theft Alarm System

General information

Anti-theft alarm system functions are integrated in Comfort System Central Control Module J393 .

Anti-theft alarm system must be adapted after replacing Comfort System Central Control Module J393 ⇒ [97-6, Comfort System Central Control Module J393 , servicing](#) .

Note:

- *Should the Comfort System Central Control Module J393 require replacement, always read the coding stored in the control module by performing On Board Diagnostic (OBD) program function "Comfort System Central Control Module, replacing/coding" ⇒ [97-6, Comfort System Central Control Module J393 , replacing/coding](#) .*
- *After replacing Comfort System Central Control Module J393 , other functions of Comfort System Central Control Module such as "Anti-theft Immobilizer" , "Anti-theft Alarm System" , "tire pressure monitoring" and central locking system key must also be adapted, depending on vehicle equipment.*
- *In this case, start by adapting the Anti-theft Immobilizer ⇒ [96-10, Adapting Anti-Theft Immobilizer Control Module J362](#) and then the other equipment-dependent functions of Comfort System Central Control Module J393 in any order.*

On Board Diagnostic (OBD), function

Anti-theft alarm system is equipped with On Board Diagnostic (OBD) capabilities which assists troubleshooting.

For troubleshooting, use Vehicle Diagnostic, Testing and Information System VAS 5051/5052 in operating mode "Guided Fault Finding" .

Note:

- *After anti-theft alarm system has triggered, the alarm source, which is stored in Comfort System Central*

Volkswagen Technical Site: <http://volkswagen.msk.ru> <http://vwts.info> <http://vwts.ru>
огромный архив документации по автомобилям Volkswagen, Skoda, Seat, Audi

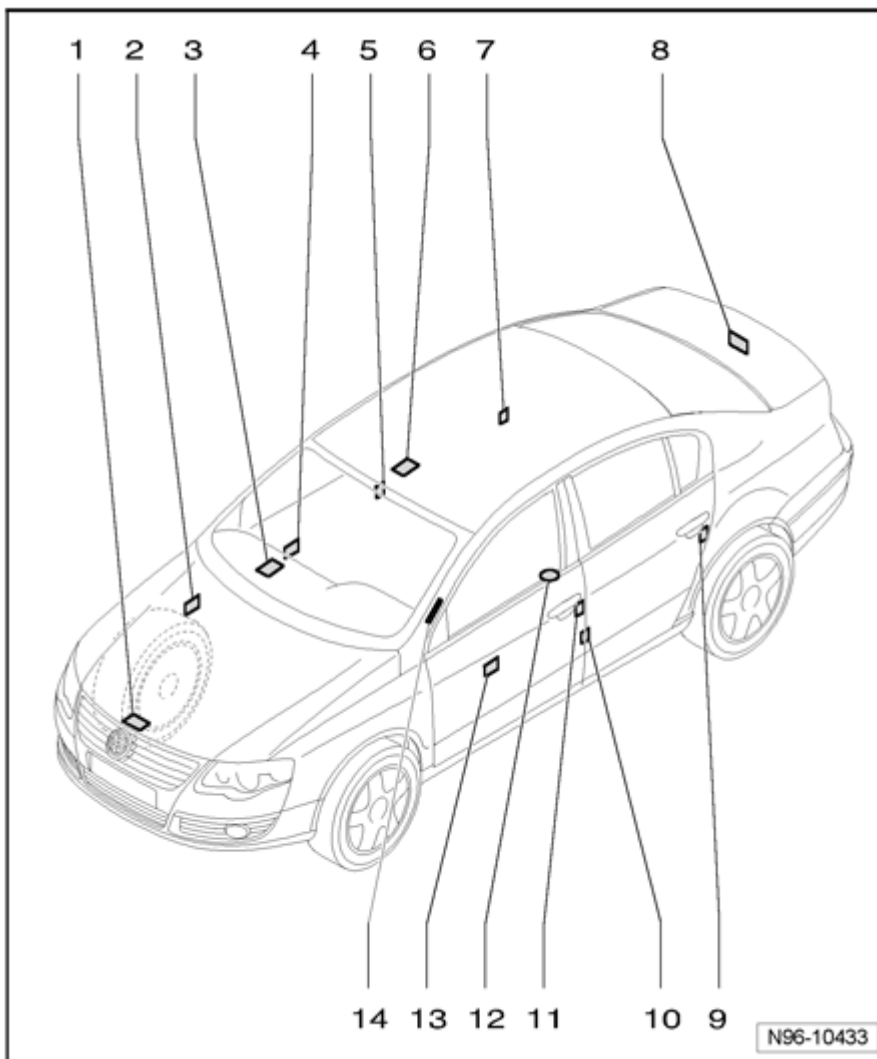
Control Module J393 , can be checked ⇒ [97-6, Anti-theft alarm system - alarm sources, checking](#) .

- After the Alarm Horn H12 has been activated, the alarm source, which is stored in Comfort System Central Control Module J393 , can be checked ⇒ [97-6, Alarm Horn - alarm sources, checking](#) .

Anti-theft Alarm System, component overview

Note:

- Anti-theft Alarm System components are dependent on vehicle equipment and market version. Radar interior monitoring, associated switches and inclination sensor are not applicable to USA/CDN models.



- Front Hood Switch F266

- in front hood latch
- Removing and installing ⇒
[96-2, Front Hood Switch F266 , removing and installing](#)
- **Alarm Horn H12**
 - in right front wheel well
 - Removing and installing ⇒
[96-11, Alarm Horn H12 , removing and installing](#)
- **Comfort System Central Control Module J393**
 - Behind glove compartment
 - Removing and installing ⇒
[97-6, Comfort System Central Control Module J393 , removing and installing](#)
- **Front Passengers Door Control Module J387**
 - in front passengers door
 - Removing and installing

⇒ [Repair Manual, Body Exterior, Repair Group 64, Glass, Window regulators; Window regulator motor, removing and installing](#)
- **Front Passengers Door Contact Switch F3**
 - in Front Passengers Door Central Locking Lock Unit F221
 - Removing and installing

⇒ [Repair Manual, Body Exterior, Repair Group 57, Front doors, Window regulators, Central locking system; Door lock, removing and installing](#)

- **Radar Interior Monitoring Control Module 1 G303 with interior monitoring sensors and Vehicle Inclination Sensor G384**

- Not applicable to USA/CDN models

- **Right Rear Door Contact Switch F11**

- in Right Rear Central Locking Lock Unit F223
- Removing and installing

⇒ [Repair Manual, Body Exterior, Repair Group 58, Rear doors, Window regulators, Central locking system; Door lock, removing and installing](#)

- **Rear Lid Lock Unit F256**

- Removing and installing

⇒ [Repair Manual, Body Exterior, Repair Group 55, Rear lid; Locking and unlocking components - assembly overview](#)

- **Left Rear Door Contact Switch F10**

- in Left Rear Central Locking Lock Unit F222
- Removing and installing

⇒ [*Repair Manual, Body Exterior, Repair Group 58, Rear doors, Window regulators, Central locking system; Door lock, removing and installing*](#)

- **Interior Monitoring Deactivation Switch E267 and Deactivate Vehicle Inclination Sensor Button E360**

- Not applicable to USA/CDN models

- **Drivers Door Contact Switch F2**

- in Drivers Door Central Locking Lock Unit F220
- Removing and installing

⇒ [*Repair Manual, Body Exterior, Repair Group 57, Front doors, Window regulators, Central locking system; Door lock, removing and installing*](#)

- **Central Locking -SAFE- Indicator Lamp K133**

- in front door trim
- Removing and installing ⇒ [*96-4, Central Locking -SAFE- Indicator Lamp K133*](#)

- **Drivers Door Control Module J386**

- in drivers door
- Removing and installing

⇒ [*Repair Manual, Body Exterior, Repair Group 64, Glass, Window regulators; Window regulator motor, removing and installing*](#)

- **Central Locking and Anti-theft Alarm System Antenna R47**

- behind A-pillar trim ⇒ [96-11, Central Locking and Anti-theft Alarm System Antenna R47](#)

Anti-theft Alarm System, activating and 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.

Note:

- *So that anti-theft alarm system does not trigger unnecessary alarms, close all windows and doors before locking the vehicle.*
- *Anti-theft alarm system does not activate whenever:*
 - The ignition is switched on (terminal 15).
 - the immobilizer registers an authorized key.
 - the drivers door is open.
 - the door control module is malfunctioning.

Anti-theft alarm system, deactivating:

- Anti-theft warning system is deactivated when the vehicle is unlocked via the unlock button on radio-frequency remote control, or
- when the ignition is switched on (terminal 15), or
- the immobilizer registers an authorized key.

Unlocking vehicle mechanically (emergency opening)

- Unlock vehicle at drivers door using emergency key.

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

- Switch on ignition within 15 seconds.

Note:

- *If the ignition is not switched on after 15 seconds the alarm is triggered.*

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

Central Locking and Anti-theft Alarm System Antenna R47

The Central Locking and Anti-Theft Alarm System Antenna R47 receives radio-frequency signals from the ignition key with radio-frequency remote control and relays them to the Comfort System Central Control Module J393 .

The Central Locking and Anti-Theft Alarm System Antenna R47 consists of an RG174 HF-cable which has approximately 17 cm of the shielding removed (the unshielded area of the cable serves as the antenna). The Central Locking and Anti-Theft Alarm System Antenna R47 is integrated with the wiring harness in the left A-pillar and cannot be serviced or replaced separately.

Alarm delay when drivers door opened, adapting

Via this function, the alarm delay when opening the drivers door can be switched on and off.

- Connect Vehicle Diagnostic, Testing and Information System VAS 5051/5052 ⇒ [97-1, VAS 5051 / 5052](#) .
- In Vehicle Diagnostic, Testing and Information System VAS 5051/5052 , select operating mode "Guided Fault Finding" .
- Using the "Go To" button, select "Functions/Component selection" and the following menu options in sequence:
 - Body
 - Body repair procedures
 - 01 - On Board Diagnostic (OBD) capable systems

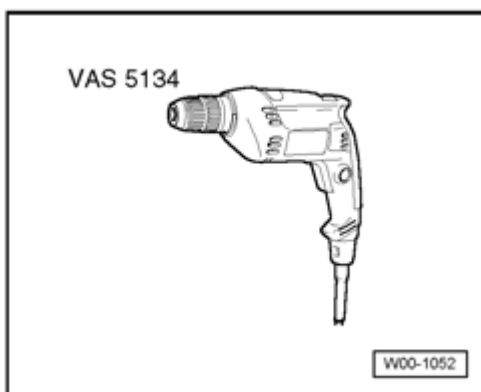
- Comfort system
- Functions - central control module for comfort system
- Alarm delay when drivers door opened, adapting

Alarm Horn H12

The Alarm Horn H12 is located in the right front wheel housing.

Alarm Horn H12 , removing and installing

Special tools, testers and auxiliary items required



- Drill VAS 5134 (or equivalent)
- Drill bit \varnothing 2.5 mm
- Drill bit \varnothing 6 mm

Note:

- *To remove the alarm horn, anti-theft alarm system must be deactivated \Rightarrow [96-11, Anti-theft Alarm System, activating and deactivating](#) .*

Removing:

Caution!

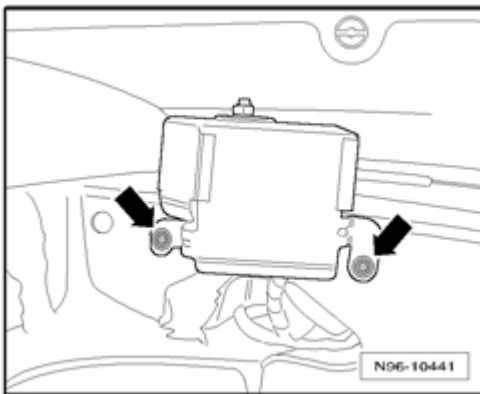
- **Switch off all electrical consumers.**

■ **Switch ignition off and remove ignition key.**

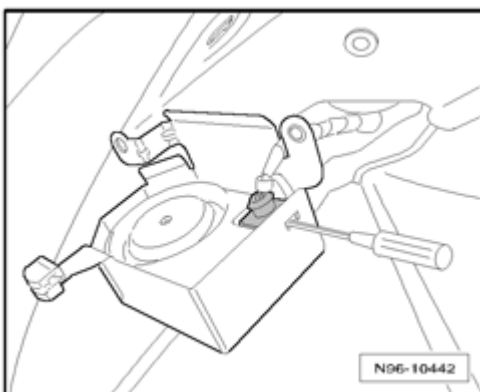
- Remove right front wheel housing liner

⇒ *Repair Manual, Body Interior, Repair Group 66, wheel housing liner; removing and installing front wheel housing liner; removing*

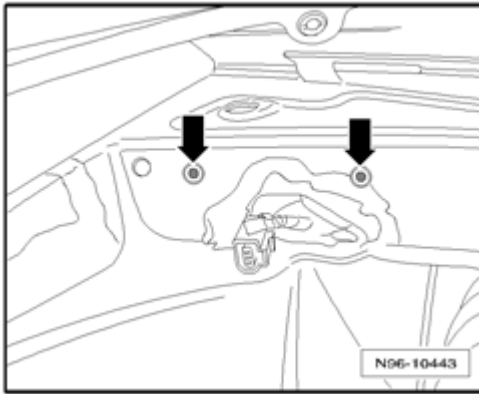
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- Use Drill VAS 5134 with drill bit \varnothing 6 mm to remove the heads from both shear bolts - **arrows** - .



- Use small screwdriver to release and disconnect electrical connection - **1** - through opening in housing - **2** - and remove Alarm Horn H12 - **3** - from wheel housing.



- Use Drill VAS 5134 with drill bit \varnothing 2.5 mm to remove remaining threads - **arrows** - . Restore threads with appropriate thread tap.

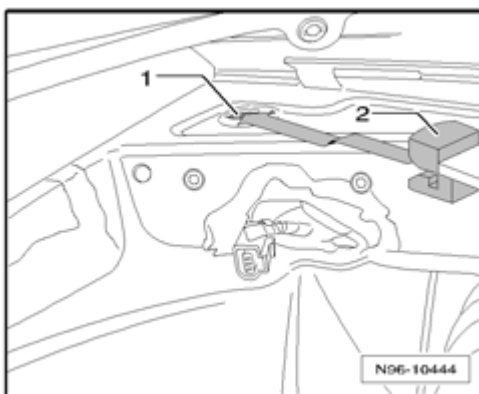
Installing:

Note:

- *Remove all metal shavings.*
- Perform required corrosion protection measures.
- Reconnect electrical connection to Alarm Horn H12 .

Note:

- *For clarity, the Alarm Horn H12 (with connection) is not included in the following illustration.*



- Guide clip - **2** - for Alarm Horn H12 into body cutout - **1**
- .
- Secure Alarm Horn H12 using new shear bolts.
- Tighten shear bolts until bolt heads shear off.
- Install right front wheel housing liner

⇒ *Repair Manual, Body Interior, Repair Group 66, wheel housing liner; removing and installing front wheel housing liner; removing*

.

Alarm Horn H12 , checking

Alarm Horn H12 function can be checked using Comfort System Central Control Module J393 On Board Diagnostic (OBD) program function "Output Diagnostic Test Mode (DTM)" ⇒ [97-6, Comfort System Central Control Module J393 , performing Output Diagnostic Test Mode \(DTM\)](#) .

Lights, Switches - Interior, Anti-theft, tightening torques**Alarm Horn H12 , tightening torque**

Fasteners		Tightening torques
Self-locking mounting nut		5 Nm
Shear bolts		7 Nm

High Tone Horn H2 , tightening torques

Fasteners		Tightening torques
Screw to long member		20 Nm

Low Tone Horn H7 , tightening torque

Fasteners		Tightening torques
Screw to long member		20 Nm