96 LIGHTS, SWITCHES - INTERIOR, ANTI-THEFT

SWITCHES - INTERIOR

Light Switch E1 , removing and installing

Removing

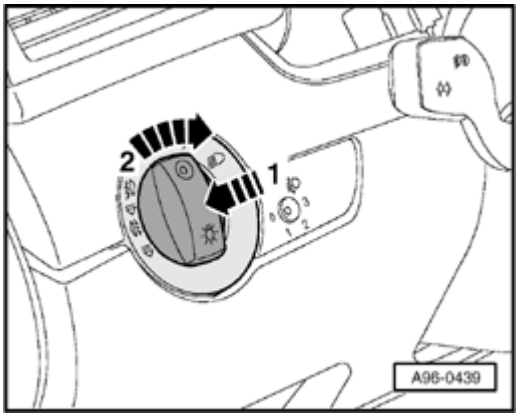

Fig. 496: Pressing Light Switch And Turning It Clockwise
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Push in light switch rotary knob - **arrow 1** - and simultaneously turn clockwise - **arrow 2** -.
- Hold switch in this position.

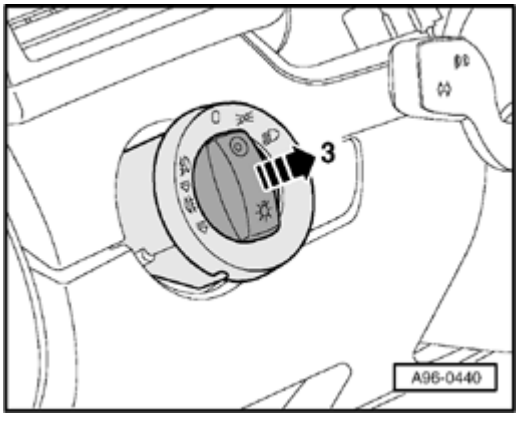

Fig. 497: Pulling Off Light Switch From Switch Housing
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Pull light switch out of switch housing - **arrow 3** -.
- Disconnect electrical connection.

Installing

Install in reverse order of removal, noting the following:

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- Press switch into switch housing until catch engages.

Ambient Illumination Deactivation Switch E491 , removing and installing

Where equipped, the Ambient Illumination Deactivation Switch E491 controls the "coming home " and "leaving home" lighting function.

Additional information Owners Manual

Removing

- Remove light switch --> **Light Switch E1 , removing and installing**.

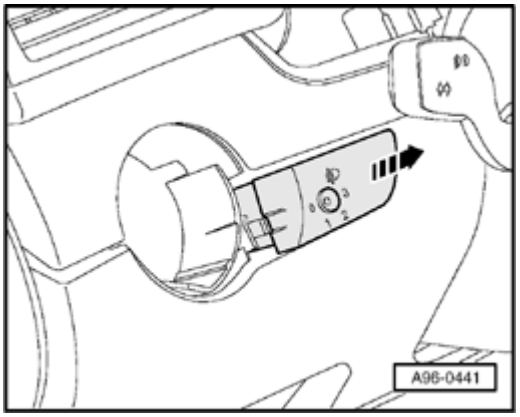

Fig. 498: Pressing Headlamp Range Control Adjuster Out Of Switch Housing
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Reach through opening for light switch and press the switch unit out of the switch housing in direction of **- arrow -**.
- Disconnect electrical connection.

Installing

Install in reverse order of removal, noting the following:

- Install light switch --> **Light Switch E1 , removing and installing**.

Daytime running lamps (DRL) switch, removing and installing

Where equipped, the daytime running lamps switch controls DRL lighting function where desired (on US vehicles only).

Removing

- Remove light switch --> **Light Switch E1 , removing and installing**.

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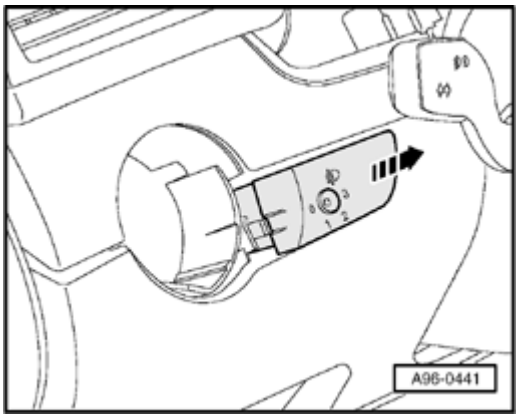

Fig. 499: Pressing Headlamp Range Control Adjuster Out Of Switch Housing
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Reach through opening for light switch and press the switch unit out of the switch housing in direction of **- arrow -**.
- Disconnect electrical connection.

Installing

Install in reverse order of removal, noting the following:

- Install light switch --> **Light Switch E1 , removing and installing**.

Emergency Flasher Button E229 , removing and installing

Special tools, testers and auxiliary items required

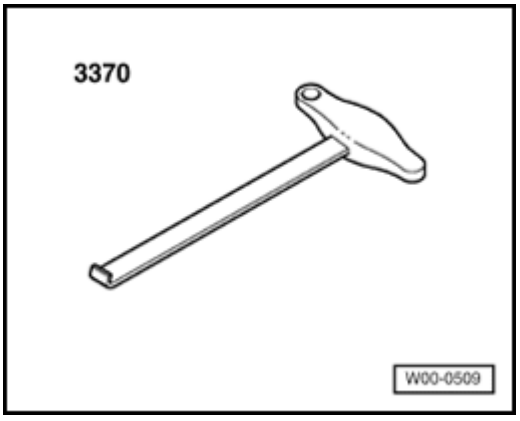

Fig. 500: Identifying Special Hook 3370
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Hook 3370

Removing

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- Open glove compartment.

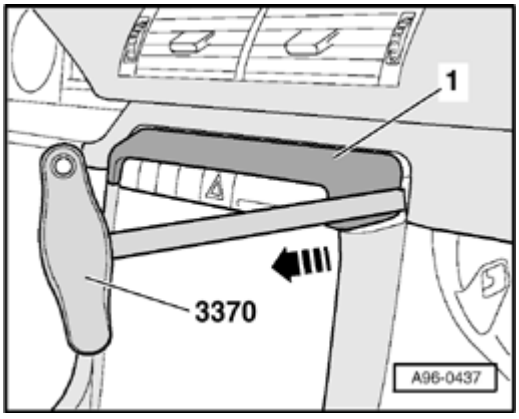

Fig. 501: Removing Trim Using Hook For Front End 3370
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Carefully pull off trim panel - **1** - using hook 3370 as illustrated.

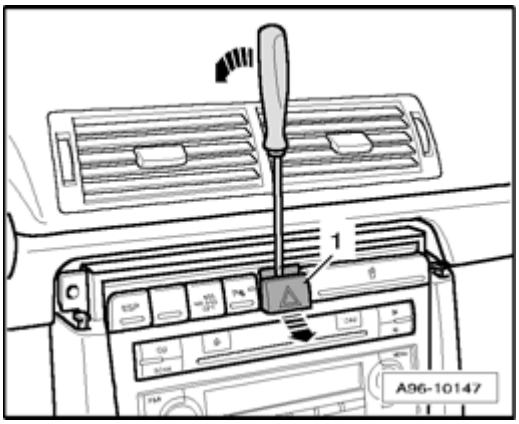

Fig. 502: Levering Out Emergency Flasher Button E229 From Switch Mounting Using Flat Screwdriver
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Carefully lever out Emergency Flasher Button E229 - **1** - from switch mounting - **arrows** - using a flat screwdriver.
- Disconnect electrical connection.

Installing

Install in reverse order of removal, noting the following:

- Push switch into mounting in instrument panel and ensure it is properly engaged.

Switches in center console, removing and installing

Special tools, testers and auxiliary items required

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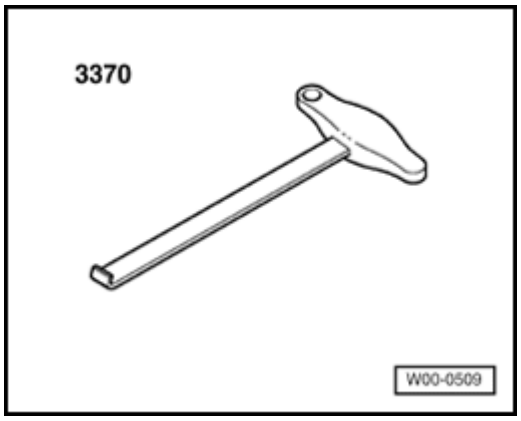

Fig. 503: Identifying Special Hook 3370
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Hook 3370

Removing

- Open glove compartment.

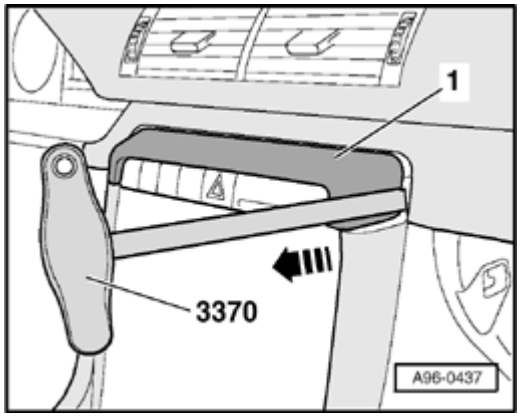

Fig. 504: Removing Trim Using Hook For Front End 3370
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Carefully pull off trim panel - **1** - to rear using hook 3370.

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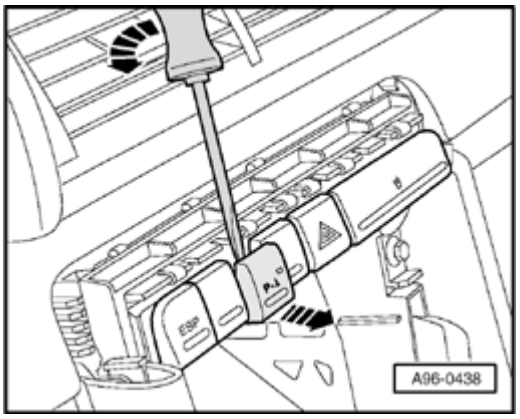

Fig. 505: Prying Switch Out Of Mounting Using Flat Screwdriver
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Use flat screwdriver to carefully pry appropriate switch out of mounting - **arrows** -.
- Disconnect electrical connection.

Installing

Install in reverse order of removal, noting the following:

- Push switch into mounting in instrument panel and ensure it is properly engaged.

Front heated seat regulating switches, removing and installing

Front seat heating switches are integrated into A/C Control Head E87 and cannot be replaced separately.

Rear heated seat regulating switches, removing and installing

Procedure for Left Rear Heated Seat Regulating Switch E128 and Right Rear Heated Seat Regulating Switch E129 is the same.

Removing

- Remove rear ashtray.

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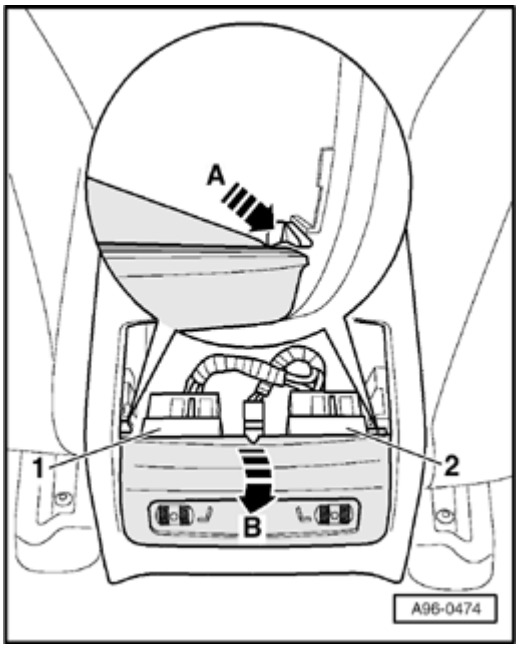

Fig. 506: Switch Mount Remove/Install Components
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Press retaining hooks - **arrow A** - on right and left outwards and swivel switch mounting to rear - **arrow B** -.
- Disengage switch mounting at rear center console.
- Disconnect electrical connections.
- Unclip switches - **1** - and - **2** - from switch mounting.

Installing

Install in reverse order of removal.

Start System Button E378 - Audi RS4, removing and installing

Removing

CAUTION:

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

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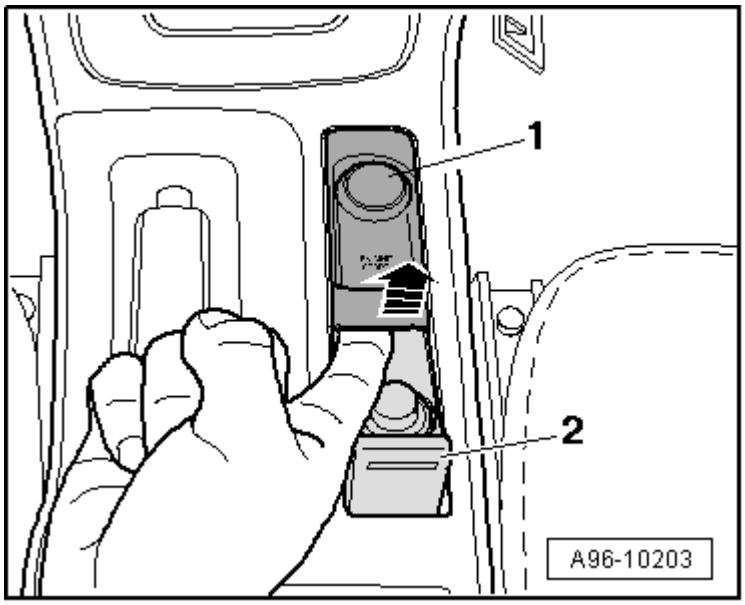

Fig. 507: Identifying Cigarette Lighter Cover And Start System Button E378
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Open cigarette lighter cover - **2** -.
- Lift Start System Button E378 - **1** - up - **arrow** - and remove from installation frame as illustrated.
- Disconnect electrical connection.

Installing

Install in reverse order of removal.

Glove Compartment Lamp Switch E26 , removing and installing

Special tools, testers and auxiliary items required

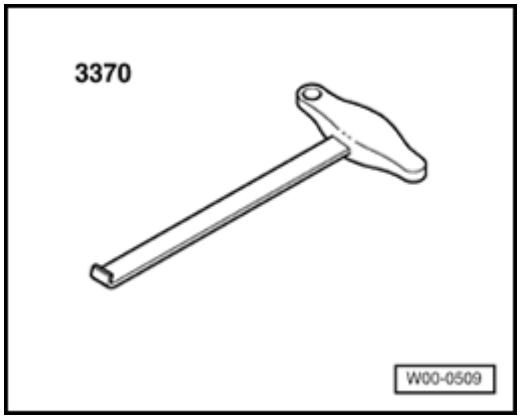

Fig. 508: Identifying Special Hook 3370
Courtesy of VOLKSWAGEN UNITED STATES, INC.

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- Hook 3370

Removing

- Open glove compartment.

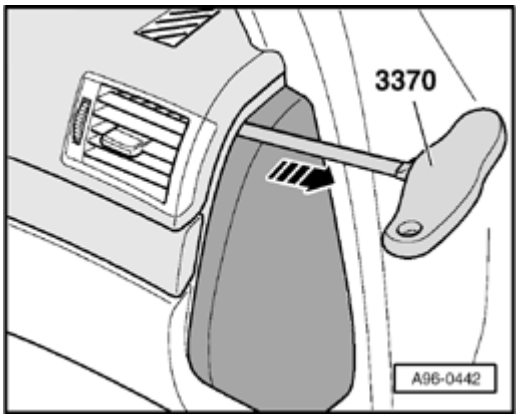

Fig. 509: Removing Right Instrument Panel Cover
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Pull off cover on right of instrument panel - **arrow** - using hook 3370.

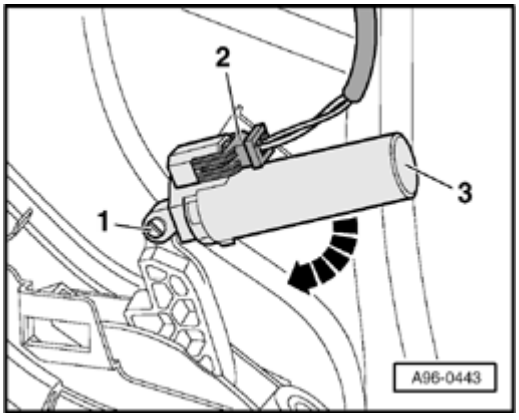

Fig. 510: Identifying Connector, Joint Pin, And Switch
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Disconnect electrical connection - **2** -.
- Pull out hinge pin - **1** -.
- Release switch - **3** - in clockwise direction - **arrow** - and detach.

NOTE:

- **Switch illustrated with glove compartment removed..**

Installing

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Install in reverse order of removal.

Mirror selector/adjustment switch, removing and installing

Mirror Adjustment Switch E43 , Mirror Selector Switch E48 , and Mirror (with fold-away function) Switch E168 (where applicable) are integrated into a single module.

Removing

- Remove front door trim --> **70 - INTERIOR TRIM** .

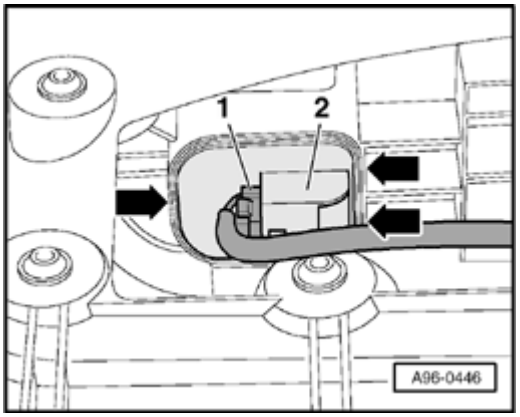

Fig. 511: Identifying Electrical Connection, Mirror Adjustment Switch, And Fasteners
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Disconnect electrical connection - **1** - at mirror adjustment switch - **2** -.
- Use small screwdriver to carefully release fasteners - **arrows** -.
- Pull mirror adjustment switch downwards out of door trim.

Installing

Install in reverse order of removal, noting the following:

NOTE:

- **When installing, ensure symbol trim is inserted before the mirror adjustment switch.**
- **Press mirror adjustment switch into switch mounting until retaining hooks engage.**
- **Install front door trim --> 70 - INTERIOR TRIM .**

Drivers power window switch panel - 2 switches, removing and installing

Removing

- Remove front door trim --> **70 - INTERIOR TRIM** .

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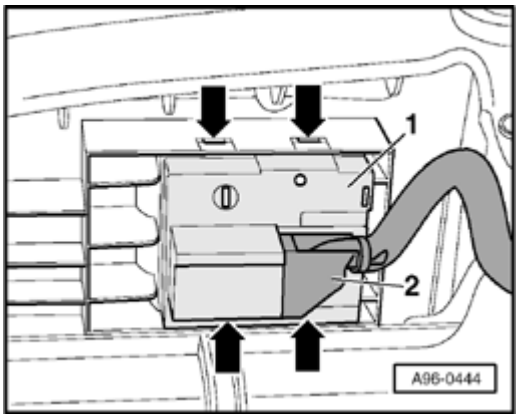

Fig. 512: Identifying Fasteners, Electrical Connection, And Window Switch
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Use small screwdriver to carefully release fasteners - **arrows** -.
- Pull window switch downwards out of door trim.
- Disconnect electrical connection - **2** - at window switch - **1** -.

Installing

Install in reverse order of removal, noting the following:

- Press window switch into switch mounting until retaining hooks engage.
- Install front door trim --> **70 - INTERIOR TRIM** .

Drivers power window switch panel - four switches, removing and installing

Removing

- Remove front door trim --> **70 - INTERIOR TRIM** .

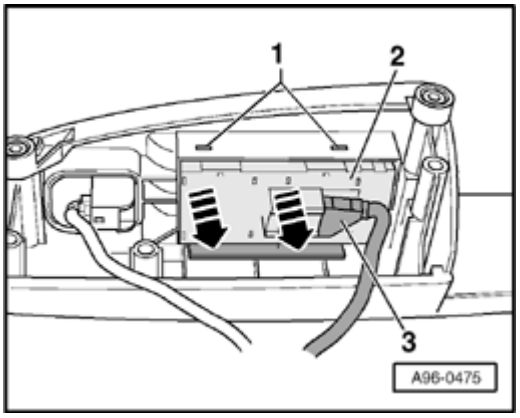

Fig. 513: Identifying Retaining Element, Retaining Hooks, Window Switches, And Electrical Connection
Courtesy of VOLKSWAGEN UNITED STATES, INC.

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- Release retaining hooks on armrest side by pressing retaining element - **arrows** -.
- Use small screwdriver to carefully release retaining hooks - **1** - on trim side.
- Pull window switches - **2** - downwards out of door trim.
- Disconnect electrical connection - **3** - at window switch.

Installing

Install in reverse order of removal, noting the following:

- Press window switch into switch mounting until it engages.
- Install front door trim --> **70 - INTERIOR TRIM** .

Front passengers power window switch panel, removing and installing

Removing

- Remove front door trim --> **70 - INTERIOR TRIM** .

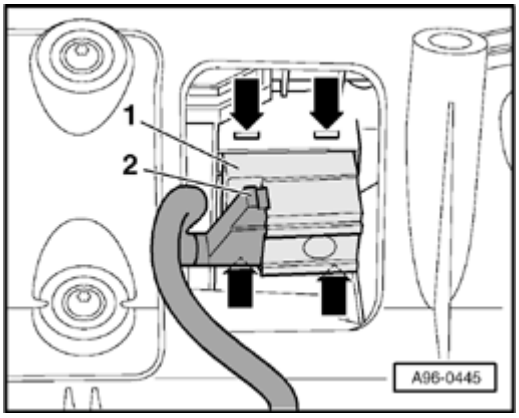

Fig. 514: Identifying Fasteners, Electrical Connection, And Window Switch
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Use small screwdriver to carefully release fasteners - **arrows** -.
- Pull window switch downwards out of door trim.
- Disconnect electrical connection - **1** - at window switch - **2** -.

Installing

Install in reverse order of removal, noting the following:

- Press window switch into switch mounting until retaining hooks engage.
- Install front door trim --> **70 - INTERIOR TRIM** .

Rear door power window switches, removing and installing

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Removing

- Remove rear door trim: --> **70 - INTERIOR TRIM** .

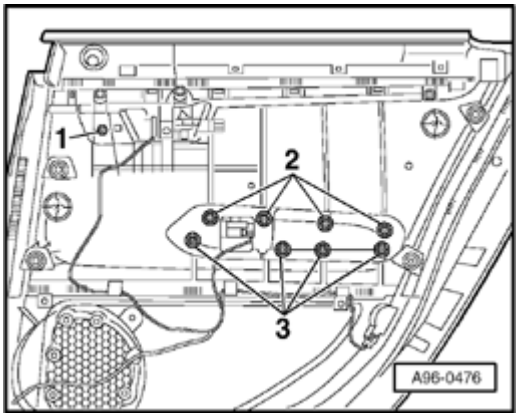

Fig. 515: Locating Screws
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Remove screws - **1... 3** -.
- Remove armrest and disconnect electrical connection.

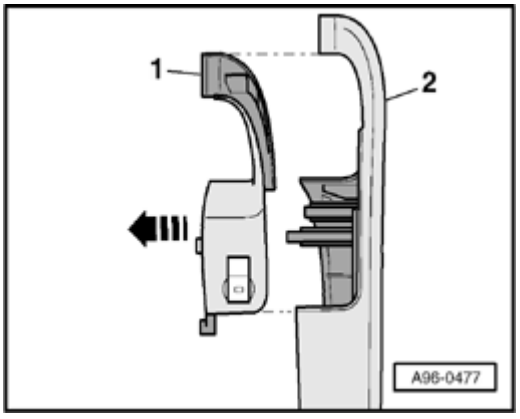

Fig. 516: Pulling Switch Mounting From Armrest
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Pull switch mounting - **1** - from armrest - **2** - - **arrow** -.

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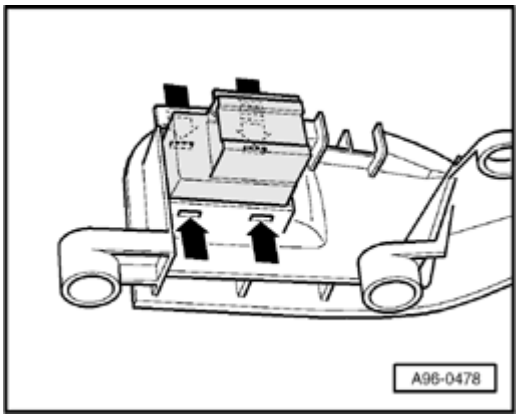

Fig. 517: Using Small Screwdriver To Carefully Release Fasteners
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Use small screwdriver to carefully release fasteners - **arrows** -.
- Pull out window switch downwards.

Installing

Install in reverse order of removal, noting the following:

- Press window switch into switch mounting until retaining hooks engage.
- Install rear door trim --> **70 - INTERIOR TRIM** .

Sunroof Switch E8 , removing and installing

Removing

- Remove front interior/reading lamp --> **Front interior lamp module, removing and installing**.

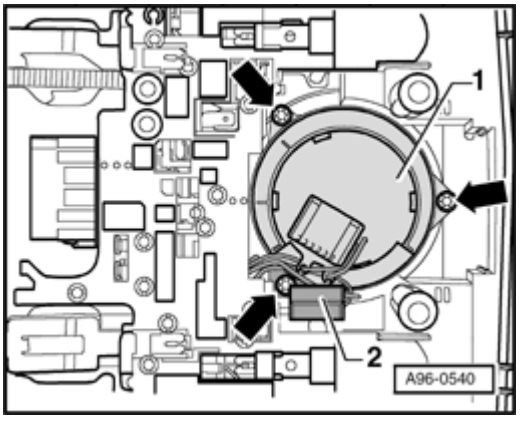

Fig. 518: Identifying Electrical Connection, Screws, And Sunroof Switch
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Disconnect electrical connection - **2** -.

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- Remove screws - **arrows** -.
- Take sunroof switch E8 - **1** - out of interior light/reading light.

Installing

Install in reverse order of removal, noting the following:

- Install front interior/reading lamp --> **Front interior lamp module, removing and installing**.

Tightening torque

Component	Nm
Sunroof Switch E8 to interior light/reading light	1.5

Door contact switches, removing and installing

Door contact switches are integrated with the individual door locks and cannot be serviced or replaced separately.

- Replacing front door lock: --> **57 FRONT DOORS/DOOR COMPONENTS/CENTRAL LOCKING SYSTEM** .
- Replacing rear door lock: --> **58 REAR DOORS/DOOR COMPONENTS** .

Drivers Interior Locking Switch E150 , removing and installing

Removing

- Remove front door trim --> **70 - INTERIOR TRIM** .
- Disconnect electrical connection - **2** -.

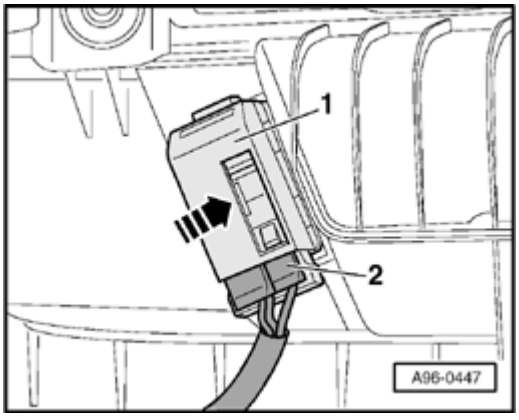

Fig. 519: Identifying Connector, Central Locking Switch, And Driver Side Door Trim
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Press switch - **1** - out of drivers door trim towards inside of vehicle - **arrow** -.

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Installing

Install in reverse order of removal, noting the following:

- Install front door trim --> **70 - INTERIOR TRIM** .

Rear/Center Central Locking Switch E286 , removing and installing

Removing

- Remove rear ashtray.

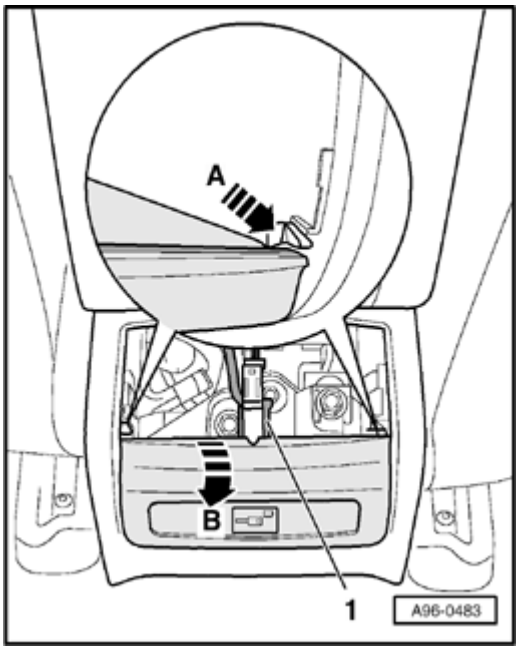

Fig. 520: Pressing Retaining Hooks And Swiveling Switch Mounting To Rear
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Press retaining hooks - **arrow A** - on left and right outwards and swivel switch mounting to rear - **arrow B** -.
- Disengage switch mounting at center console.
- Disconnect electrical connection.
- Unclip switch - **1** - from switch mounting.

Installing

Install in reverse order of removal.

Remote Fuel Tank Flap Switch E204 and Rear Lid Remote Control Lock Switch E233 , removing and installing

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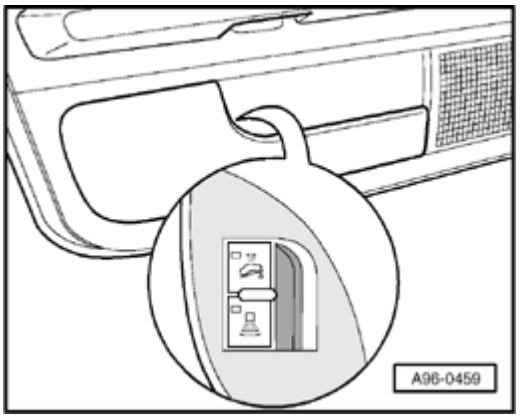

Fig. 521: Locating Switch For Interior Monitoring And Towing Protection Or Trunk Release Switch
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Location: drivers door trim in storage compartment - **detail** -

Removing

- Remove drivers door trim --> **70 - INTERIOR TRIM** .
- Disconnect electrical connections.

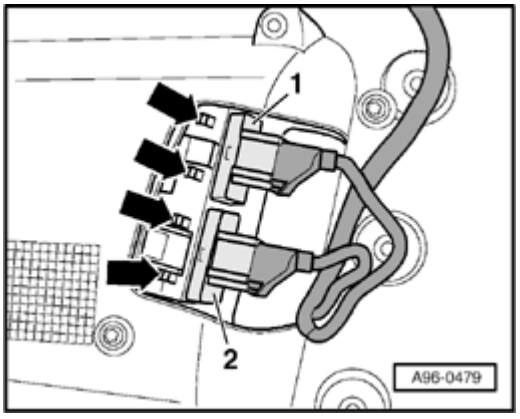

Fig. 522: Identifying Catches, Interior Monitoring And Towing Protection, And Trunk Release Switch
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Carefully release retaining hooks - **arrows** -.
- Press switches as applicable - **1** - and - **2** - towards rear out of trim.

Installing

Install in reverse order of removal, noting the following:

- Install drivers door trim --> **70 - INTERIOR TRIM** .

Drivers Seat Memory Program Control E97 , removing and installing

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Special tools, testers and auxiliary items required

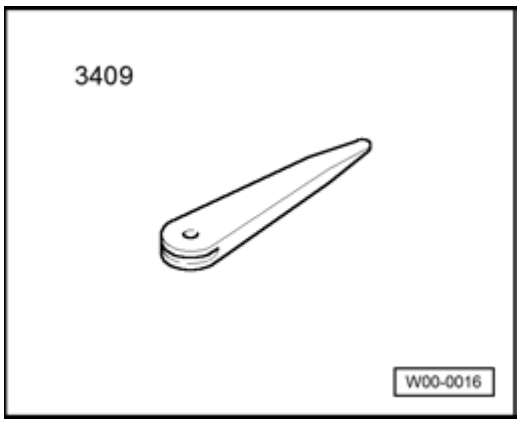

Fig. 523: Identifying Trim Removal Wedge 3409
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Removal wedge 3409

Removing

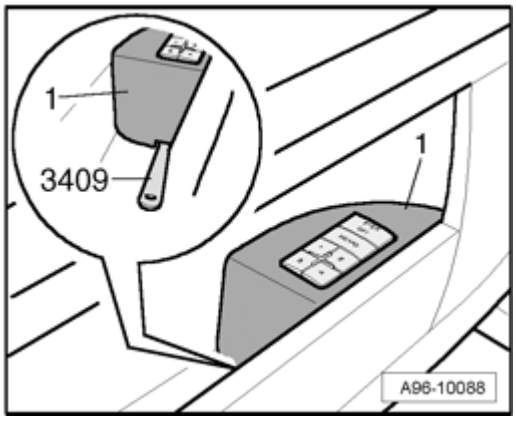

Fig. 524: Removing Switch Using Removal Wedge 3409
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Remove switch - **1** - using removal wedge 3409 as illustrated.
- Disconnect electrical connection.

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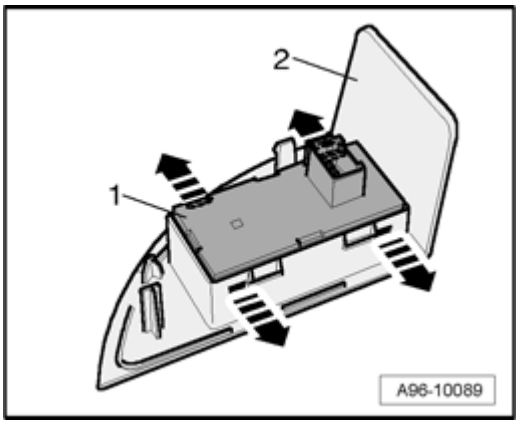

Fig. 525: Identifying Fasteners, Switch, And Mounting
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Use small screwdriver to carefully release fasteners - **arrows** -.
- Remove switch - **1** - from mounting - **2** -.

Installing

Install in reverse order of removal, noting the following:

- Press switch into switch mounting until fasteners engage.

Trunk Lock/Alarm/Central Locking Switch F124 - Sedan through 10.04, removing and installing

Removing

- Remove rear lid lock --> **55 HOOD, LIDS** .

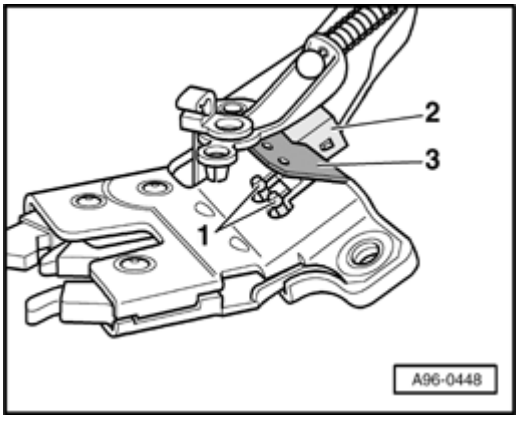

Fig. 526: Identifying Catch, Retaining Bolts, And Contact Switch
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Use flat screwdriver to pry plastic tab - **3** - from retaining pins - **1** -.
- Fold plastic tab completely to rear.

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- First pull contact switch - **2** - to one side and then upwards out of lock for rear lid.

Installing

Install in reverse order of removal, noting the following:

NOTE:

- **Ensure washers are properly positioned between plastic tab and lock for rear lid.**
- **Install rear lid lock --> 55 HOOD, LIDS .**

Trunk Lock/Alarm/Central Locking Switch F124 - Avant through 10.04, removing and installing

The rear lid contact switch is integrated with the rear lid lock and cannot be serviced or replaced separately.

- Replace rear lid lock --> **55 HOOD, LIDS** .

Trunk Lock/Alarm/Central Locking Switch F124 - from 11.04, removing and installing

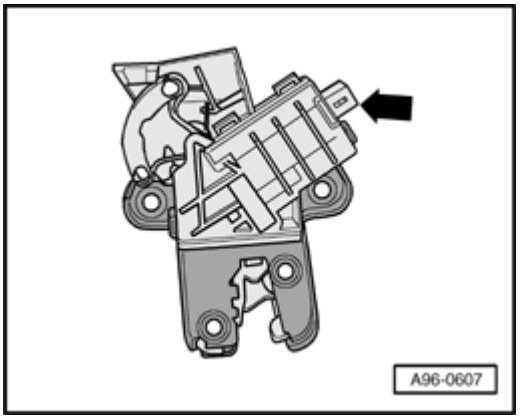

Fig. 527: Identifying Rear Lid Contact And Rear Lid Lock
Courtesy of VOLKSWAGEN UNITED STATES, INC.

The rear lid contact switch is integrated with the rear lid lock - **arrow** - and cannot be serviced or replaced separately.

- Replace rear lid lock --> **55 HOOD, LIDS** .

12 V Socket U5 - in luggage compartment through 10.04, removing and installing

Special tools, testers and auxiliary items required

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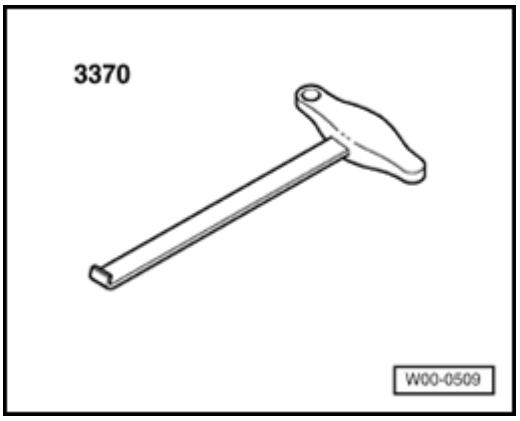

Fig. 528: Identifying Special Hook 3370
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Hook 3370

Removing

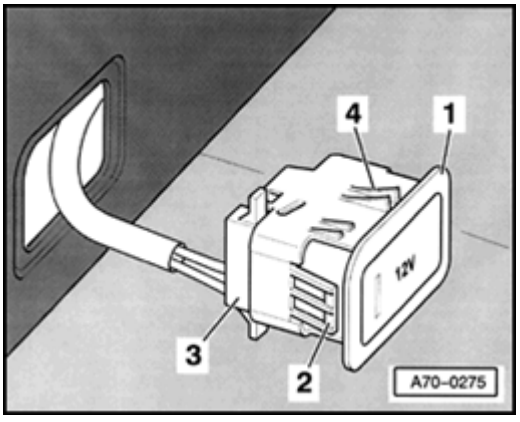

Fig. 529: Rear Power Outlet Remove/Install Components
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Carefully pull 12 V socket - **1** - from luggage compartment trim using hook 3370.

NOTE:

- **Pay attention to retaining hooks - 2 - and - 4 - when pulling out socket.**
- **Disconnect electrical connection - 3 -.**

Installing

Install in reverse order of removal.

12 V Socket U5 - in luggage compartment from 11.04, removing and installing

Removing

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- Audi A4 S4: Release lower right part of luggage compartment side trim: --> **70 - INTERIOR TRIM** .
- Audi RS4: Release lower right part of luggage compartment rear trim: --> **70 - INTERIOR TRIM** .
- Disconnect electrical connection at socket.

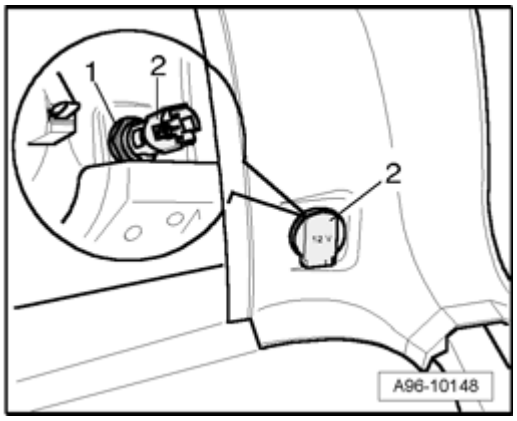

Fig. 530: Identifying Nut And 12 V Socket
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Remove nut - **1** -.
- Remove 12 V socket - **2** - from trim.

Installing

Install in reverse order of removal, noting the following:

- Install luggage compartment trim --> **70 - INTERIOR TRIM** .

ANTI-THEFT IMMOBILIZER

General information

All A4 from model year 2002 are equipped with Immobilizer Generation III.

Generation III has the same functionality as the previous version. However, in addition to the normal data exchange between the immobilizer control module and ignition key, Gen. III includes data exchange between the immobilizer control module and Engine Control Module (ECM).

The immobilizer control module is integrated into the instrument cluster, i.e. it is replaced together with instrument cluster --> **Instrument cluster, removing and installing**.

Data exchange between the Immobilizer control module and ECM takes place over the vehicle CAN-Bus network.

Function

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Immobilizer III consists of:

- an adapted control module for anti-theft immobilizer (integrated in instrument cluster)
- a warning light in instrument cluster
- a reading coil at ignition lock
- an adapted Engine Control Module (ECM)
- and adapted ignition keys with electronics (transponder)

The anti-theft immobilizer is a system for enabling/locking the Engine Control Module (ECM) via the CAN wire.

The transponder code consists of a fixed code and a variable code. This is different for every start procedure and therefore acts as a copy protection for the transponder.

Every immobilizer contains a different computational rule for the variable code that remains the same for its entire service life. During adaptation of the vehicle key, the immobilizer writes this computational rule into the transponder and simultaneously learns the fixed code of the current key.

The fixed code identifies each individual key so that a key that is lost can be blocked from usage. Each time the ignition is switched on, the induction coil for immobilizer reads the transponders fixed code and then the variable code and determines whether this key is authorized for vehicle start.

The warning lamp lights up briefly (max. 3 seconds) and then goes out when an authorized vehicle key is used.

When an unauthorized vehicle key is used or when a system malfunction occurs, the warning lamp blinks constantly during ignition "on".

On Board Diagnostic (OBD), function

The electronic anti-theft immobilizer has extensive On Board Diagnostic (OBD) capabilities. If malfunctions occur in any of the system components, corresponding Diagnostic Trouble Codes (DTC) are stored in the DTC memory of the anti-theft immobilizer.

Before performing any troubleshooting or inspection, always begin by checking for DTCs using the On Board Diagnostic (OBD) program. DTCs stored in memory are retrieved/checked with VAS 5051 or VAS 5052 in mode "Guided Fault Finding".

Malfunctioning transponder and/or lost keys

- The transponder is integrated into the vehicle key and cannot be replaced separately.
- The complete vehicle key must be replaced if the transponder malfunctions.
  - Order replacement key with integrated transponder on the basis of the lock number and/or VIN.
  - Adapt all vehicle keys using VAS 5051/5052 in mode "Guided Fault Finding".

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Reader coil, replacing

- The reader coil is integrated into the lock cylinder and cannot be serviced or replaced separately.
- The complete lock cylinder must be replaced if the reader coil malfunctions --> **Lock cylinder, removing and installing**

  - Order replacement lock cylinder on the basis of the lock number and/or VIN.

Lock set or instrument cluster, replacing.

Follow replacement procedures as specified using VAS 5051/5052 in mode "Guided Fault Finding".

ALARM HORN H12

Alarm Horn H12 , removing and installing

Removing

CAUTION:

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

  - Remove right interior trim --> **70 - INTERIOR TRIM** .

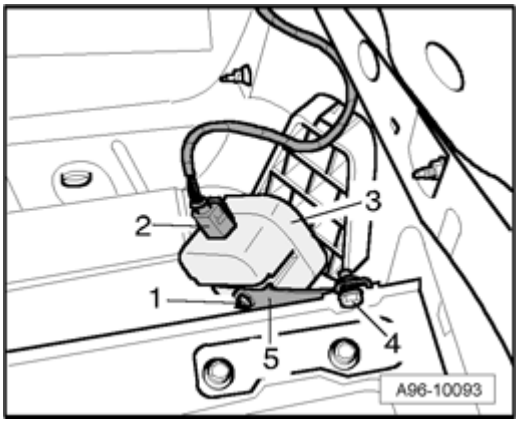

Fig. 531: Identifying Nut, Electrical Connection, Horn, Bolt, And Horn Bracket
Courtesy of VOLKSWAGEN UNITED STATES, INC.

  - Remove nut - **1** -.
  - Disconnect electrical connection - **2** -.
  - Remove horn - **3** -.
  - If necessary, remove horn bracket - **5** - by removing bolt - **4** -.

Installing

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Install in reverse order of removal, noting the following:

- Install trim --> **70 - INTERIOR TRIM** .

Tightening torque

Component - fastener	Nm
Alarm Horn H12 to bracket - nut	5
Bracket to body - bolt	9

LIGHTS - INTERIOR

Make-up Mirror Illumination L31 , removing and installing

Removing

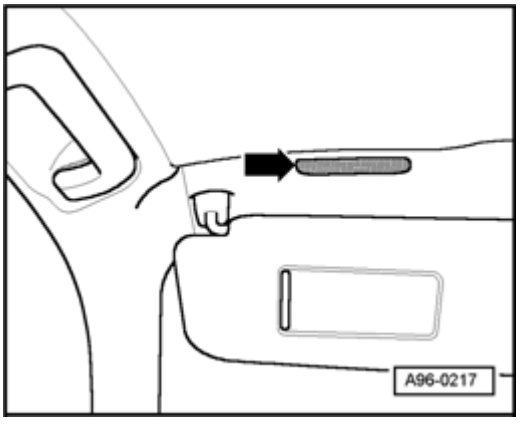

Fig. 532: Prying Out Light At Recess Using Flat-Head Screwdriver
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Carefully pry out light at recess - **arrow** - using a flat-head screwdriver.
- Disconnect electrical connection.

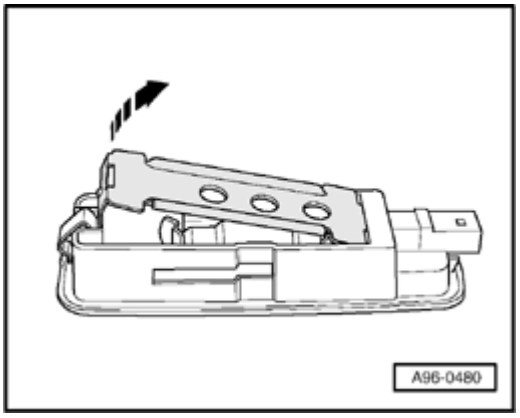

Fig. 533: Bulb Holder And Cover

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Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Remove bulb cover - **arrow** -.
- Remove bulb (12 V, 5W) from socket on reverse side of make-up mirror light.

Installing

Install in reverse order of removal.

Front interior lamp module, removing and installing

Special tools, testers and auxiliary items required

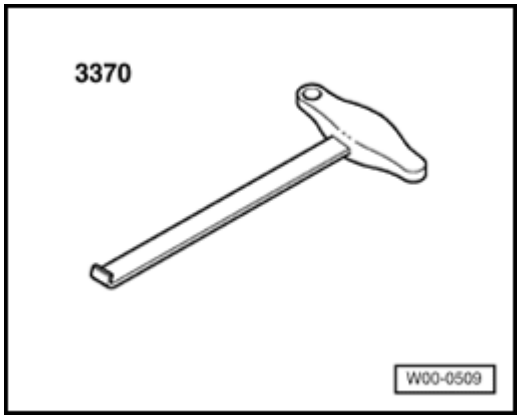

Fig. 534: Identifying Special Hook 3370
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Hook 3370

Removing

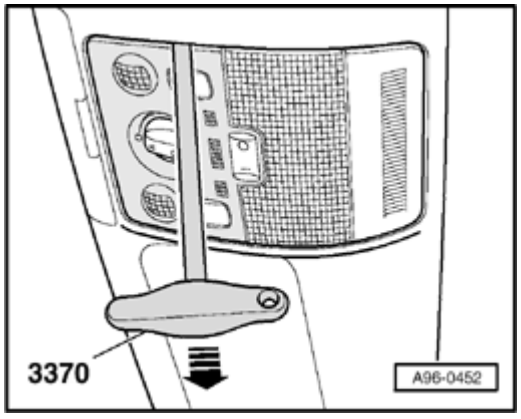

Fig. 535: Removing Interior Lamp Module Trim Using Hook 3370
Courtesy of VOLKSWAGEN UNITED STATES, INC.

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- Carefully remove interior lamp module trim using hook 3370 as illustrated - **arrow** -.

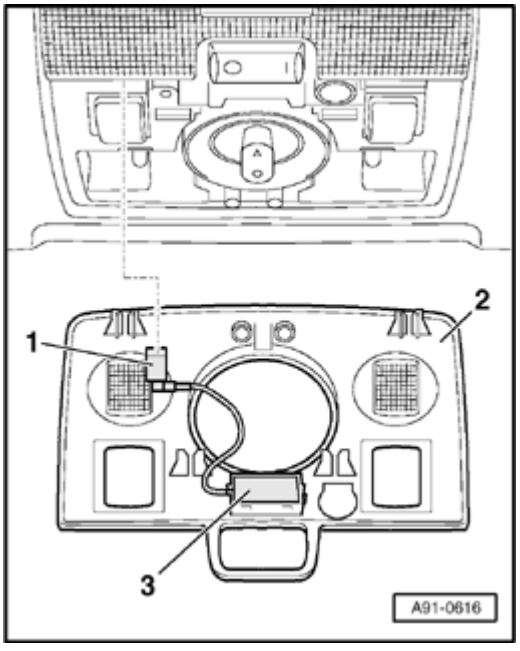

Fig. 536: Disconnection Microphone Electrical Connection
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Where applicable, disconnect microphone electrical connection - **1** -.

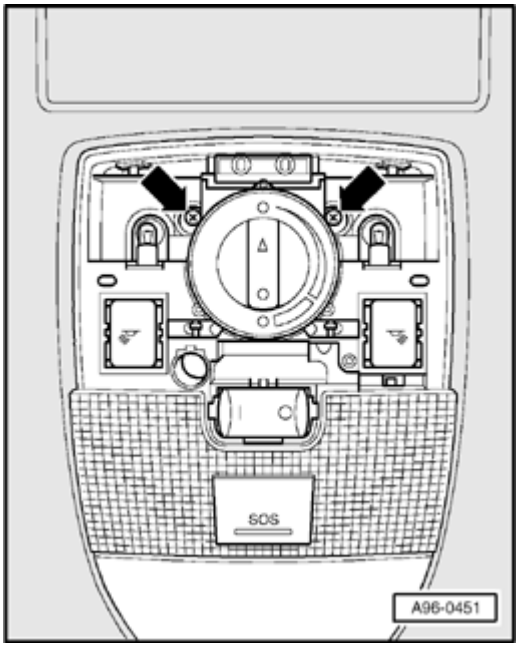

Fig. 537: Locating Screws
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Remove screws - **arrows** -.

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- Swivel down module and remove from opening in headliner.
- Disconnect electrical connections.

Installing

Install in reverse order of removal, noting the following:

- Engage interior lamp module and tighten screws to 3 Nm.

Ambient lighting LEDs, removing and installing

Removing

- Remove front interior lamp module --> **Front interior lamp module, removing and installing**.

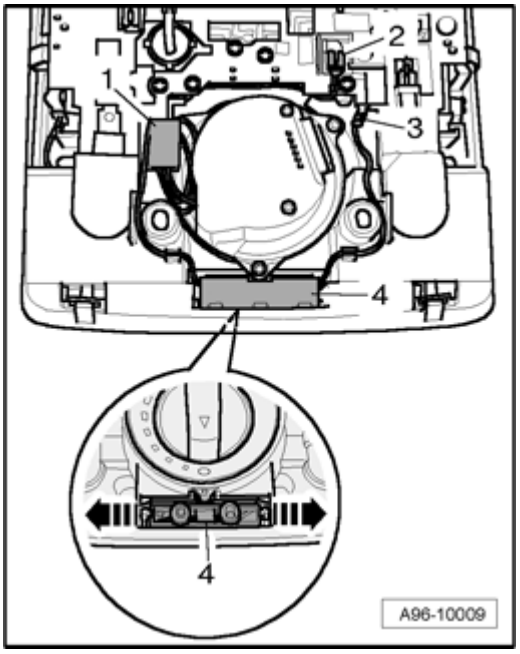

Fig. 538: Identifying Electrical Connections, Retaining Clips, And LED
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Disconnect electrical connections - **1... 3** -.
- Release retaining clips - **arrows** - and remove LED - **4** -.

Installing

Install in reverse order of removal, noting the following:

- Install front interior lamp module --> **Front interior lamp module, removing and installing**.

Front Interior Light W1 - bulbs, replacing

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Special tools, testers and auxiliary items required

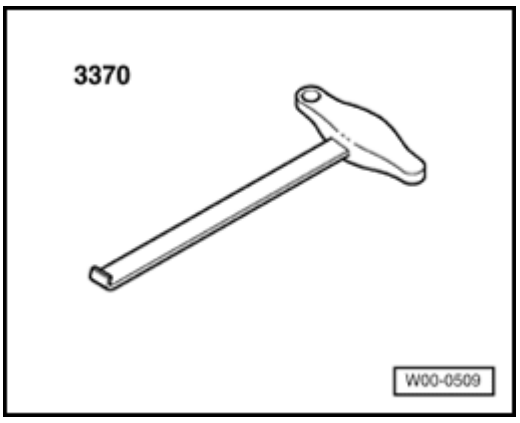

Fig. 539: Identifying Special Hook 3370
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Hook 3370

Removing

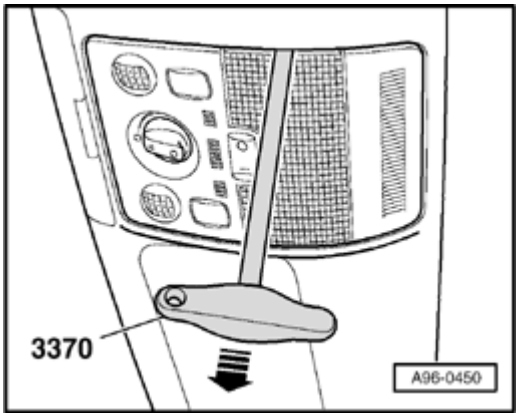

Fig. 540: Removing Interior Lamp Lens Using Hook 3370
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Carefully remove interior lamp lens using hook 3370 as illustrated.

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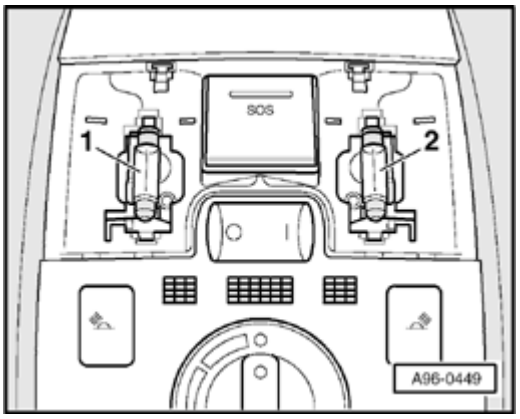

Fig. 541: Removing Bulb From Holder
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Remove bulb as applicable - **1** - or - **2** - (12 V, 10 W) from holder.

Installing

Install in reverse order of removal, noting the following:

- Press on lens until it engages.

Front Passengers Map/Reading Light W13 , Drivers Map/Reading Light W19 - bulbs, replacing

Special tools, testers and auxiliary items required

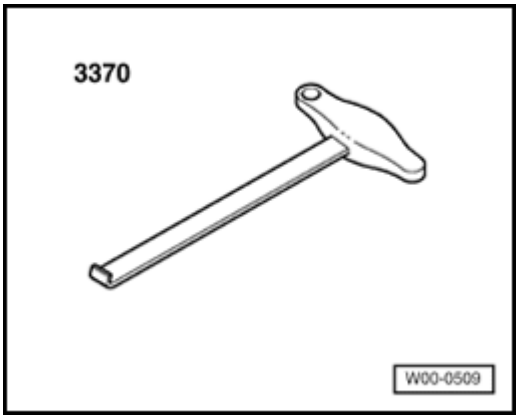

Fig. 542: Identifying Special Hook 3370
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Hook 3370

Removing

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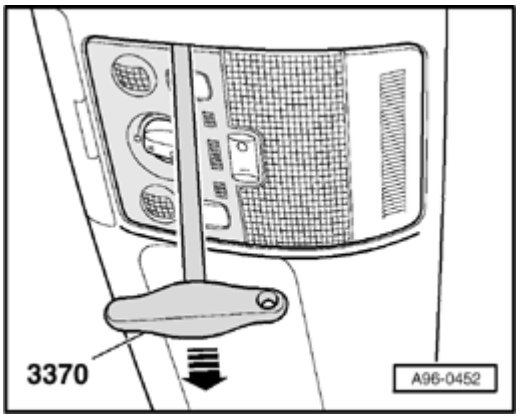

Fig. 543: Removing Interior Lamp Module Trim Using Hook 3370
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Carefully remove interior lamp module trim using hook 3370 as illustrated.

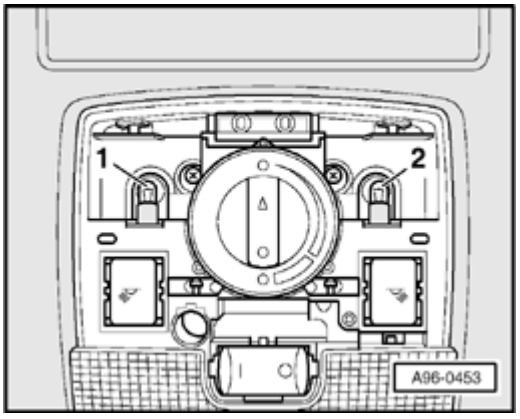

Fig. 544: Remove Bulb From Holder
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Remove bulb as applicable - **1** - or - **2** - (12 V, 5 W) from bulb holder.

Installing

Install in reverse order of removal, noting the following:

- Press on trim until it engages.

Front Passengers Airbag Disabled Indicator Lamp K145 - from 11.04, removing and installing

Special tools, testers and auxiliary items required

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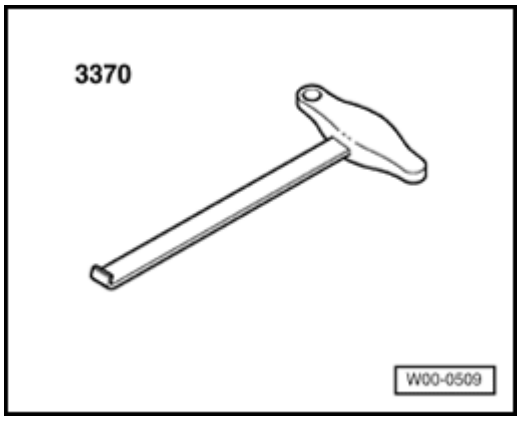

Fig. 545: Identifying Special Hook 3370
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Hook 3370

Removing

- Open glove compartment.

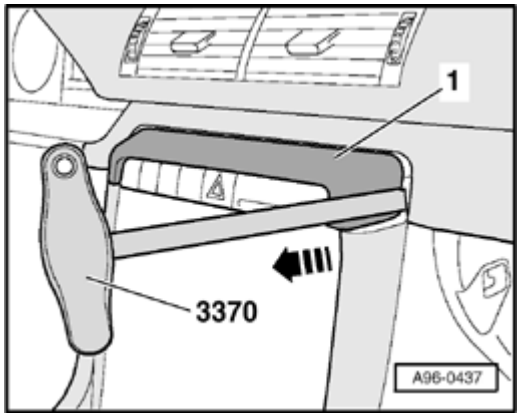

Fig. 546: Removing Trim Using Hook For Front End 3370
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Carefully remove trim panel - **1** - using hook 3370 as illustrated.

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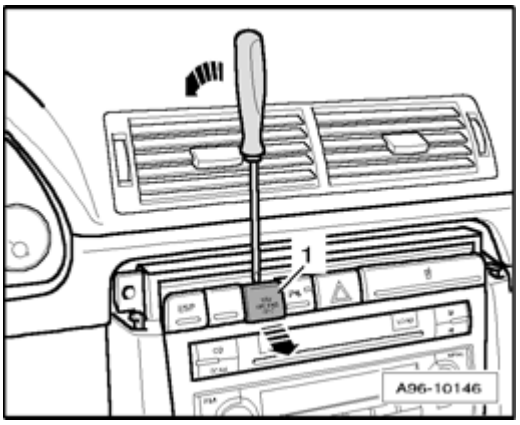

Fig. 547: Prying Out Indicator Lamp From Switch Mounting
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Carefully pry out lever out indicator lamp - **1** - from switch mounting - **arrows** - using a flat screwdriver.
- Disconnect electrical connection.

Installing

Install in reverse order of removal, noting the following:

- Push lamp assembly into mounting in instrument panel and ensure it is properly engaged.

Rear interior lamp module, removing and installing

Special tools, testers and auxiliary items required

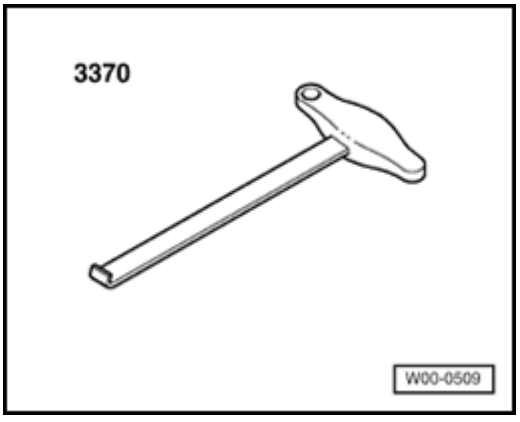

Fig. 548: Identifying Special Hook 3370
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Hook 3370

Removing

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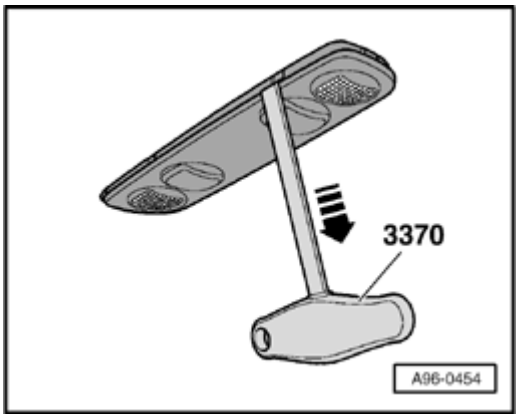

Fig. 549: Removing Rear Interior Lamp Module From Headliner Opening Using Hook 3370
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Carefully remove rear interior lamp module from headliner opening using hook 3370 as illustrated.
- Disconnect electrical connection.

Installing

Install in reverse order of removal, noting the following:

- Insert interior lamp module in opening in headliner and clip into place.

Left Rear Reading Light W11 , Right Rear Reading Light W12 - bulbs, replacing

Removing

- Remove rear interior lamp module --> **Rear interior lamp module, removing and installing**.

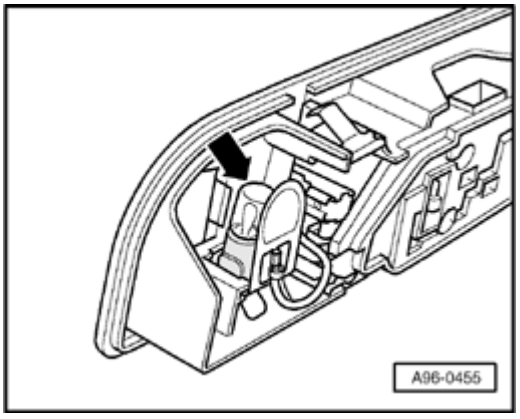

Fig. 550: Interior/Reading Light Bulbs
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Screw applicable bulb 12 V, 5 W - **arrow** - from holder.

Installing

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Install in reverse order of removal.

Glove Compartment Light W6 , removing and installing

Removing

- Turn light switch to position "0".

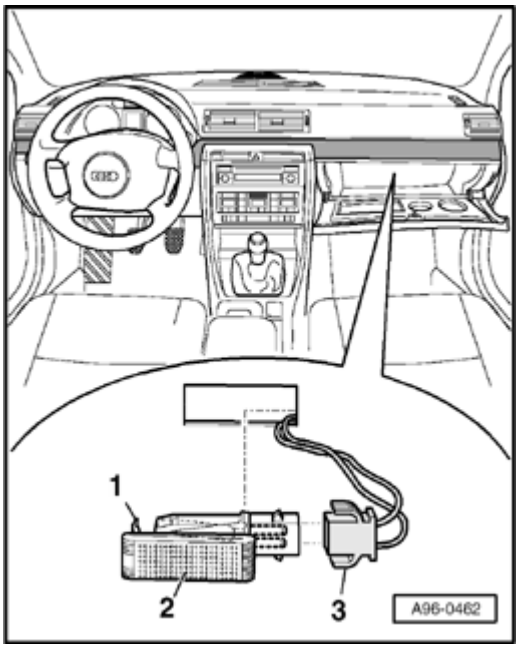

Fig. 551: Identifying Retaining Tab, Glove Box Light, And Electrical Connection
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Using a flat-head screwdriver, press in retaining tab - **1** - and pry out glove box light - **2** -.
- Disconnect electrical connection - **3** -.
- Remove bulb (12 V, 5 W) from bulb holder.

Installing

Install in reverse order of removal, noting the following:

- Insert glove box light in opening and engage on opposite side.

Front ashtray light, removing and installing

Removing

- Pull radio approx 10 mm out of mounting slot --> **91 - COMMUNICATION** .
- Remove A/C Control Head E87 --> **87 AIR CONDITIONING** .
- Open front ashtray.

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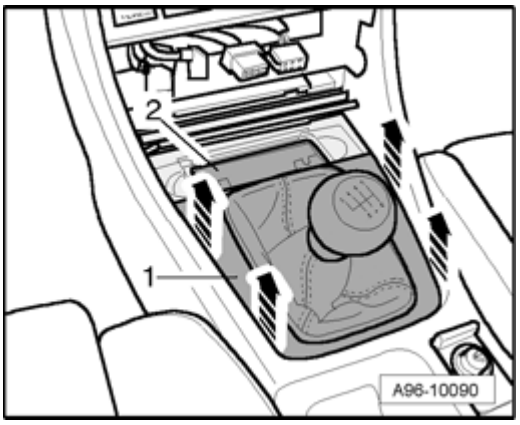

Fig. 552: Identifying Ashtray Insert And Gear Lever Cover
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Remove front ashtray insert - **2** -.
- Remove cover - **1** - for gear lever or selector lever on both sides - **arrows** -.

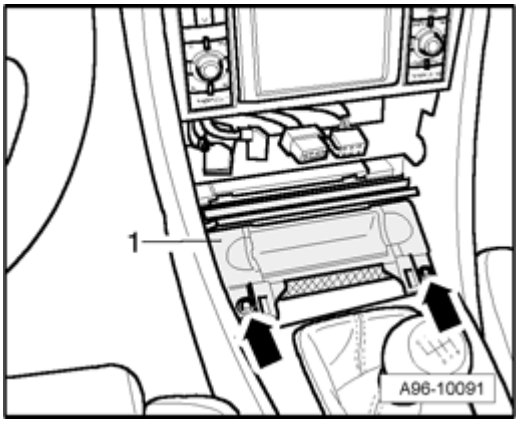

Fig. 553: Locating Screws For Ashtray
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Remove screws - **arrows** -.
- Lift out front ashtray upwards.
- Disconnect electrical connection.

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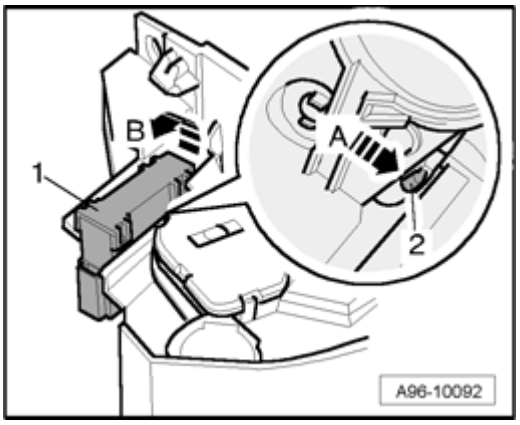

Fig. 554: Releasing Retaining Clips And Swivel Light For Front Ashtray Out Of Retainer
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Release retaining clips - **2** - and swivel light - **1** - for front ashtray out of retainer - **arrow** -.

Installing

Install in reverse order of removal, noting the following:

- Install A/C Control Head E87 --> **87 AIR CONDITIONING** .

Tightening torque

Component	Nm
Front ashtray to center console	5

Rear ashtray light, removing and installing

If rear ashtray light malfunctions, replace complete switch mounting panel:

- Rear seat heating switch mount --> **Rear heated seat regulating switches, removing and installing**
- Rear central locking switch mount --> **Rear/Center Central Locking Switch E286 , removing and installing**

Drivers Door Opener Illumination L108 , Front Passengers Door Opener Illumination L109 , Left Rear Door Opener Illumination L110 , Right Rear Door Opener Illumination L111 , removing and installing

Removing

- Remove applicable door trim --> **70 - INTERIOR TRIM** .

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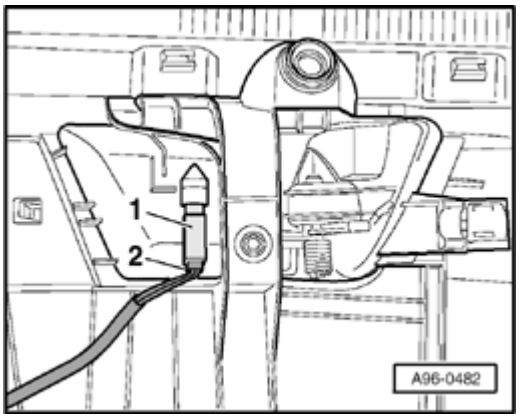

Fig. 555: Identifying Bulb For Socket At Door Trim And Connector For Socket
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Pull bulb holder with bulb - **1** - out of door opener.
- Remove bulb.

Installing

Install in reverse order of removal, noting the following:

- Insert bulb for door opener light in opening and engage.
- Install door trim --> **70 - INTERIOR TRIM** .

Door entry warning lights, removing and installing

Procedure for all door entry and warning lights

- Drivers Door Warning Light W30
- Left Front Entry Light W31
- Right Front Entry Light W32
- Left Rear Entry Light W33
- Right Rear Entry Light W34
- Front Passengers Door Warning Light W36
- Left Rear Door Warning Light W37
- Right Rear Door Warning Light W38

is the same.

Removing

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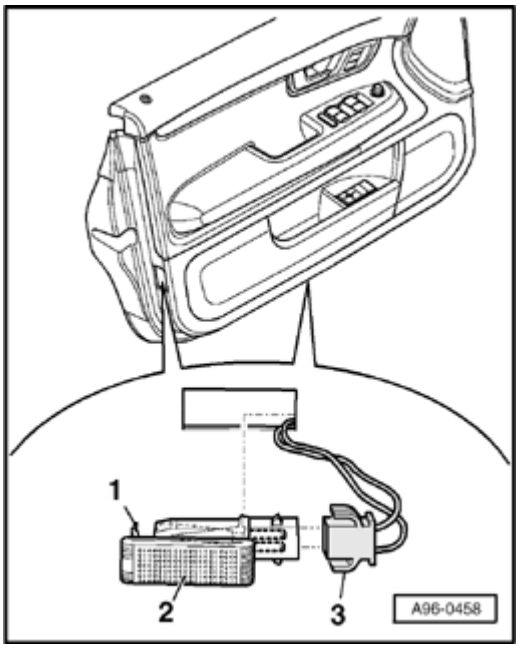

Fig. 556: Identifying Door Safety/Entry Light And Components
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Use a flat-head screwdriver to press in retaining tab - **1** - and pry out door light - **2** -.
- Disconnect electrical connection - **3** -.

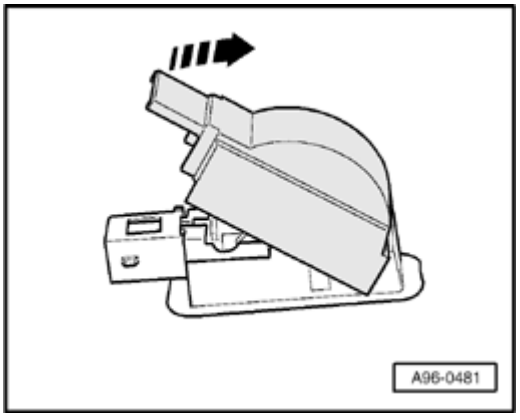

Fig. 557: Prying Off Cover On Door Safety Light
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Where applicable, carefully pry off cover at door light - **arrow** -.
- Remove bulb (12 V, 5 W) from bulb holder.

Installing

Install in reverse order of removal, noting the following:

- If applicable, attach cover at door light.

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- Insert door light in opening and engage on opposite side.

Left Footwell Light W9 , Right Footwell Light W10 , removing and installing

Removing

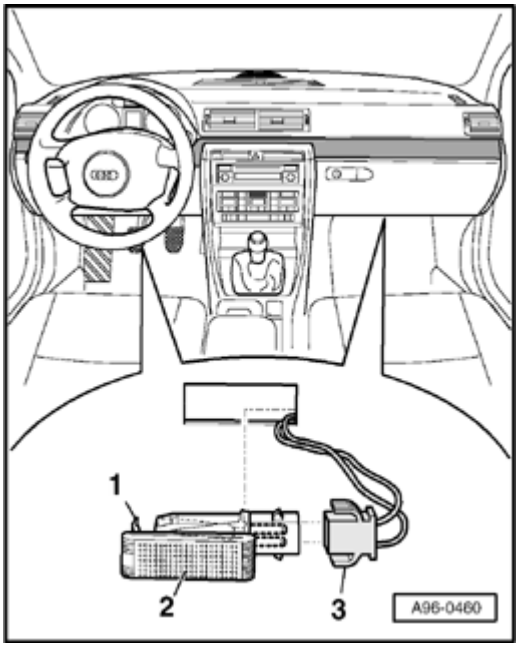

Fig. 558: Identifying Retaining Tab, Footwell Light, And Electrical Connection
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Use a flat screwdriver to press in retaining tab - **1** - and pry out footwell light - **2** -.
- Disconnect electrical connection - **3** -.
- Remove bulb (12 V, 5 W) from holder.

Installing

Install in reverse order of removal, noting the following:

- Insert footwell light in opening and engage on opposite side.

Left Rear Footwell Light W45 , Right Rear Footwell Light W46 , removing and installing

Removing

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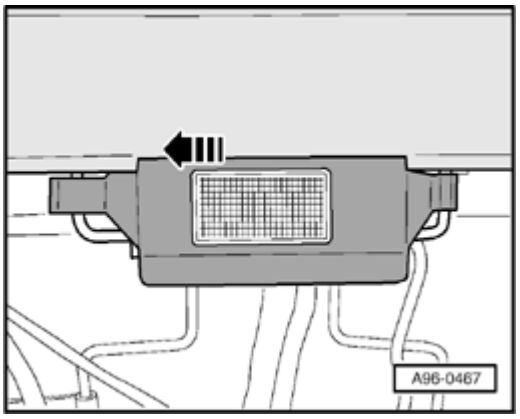

Fig. 559: Slide Footwell And Disengage
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Slide footwell light in direction of - **arrow** - and disengage.

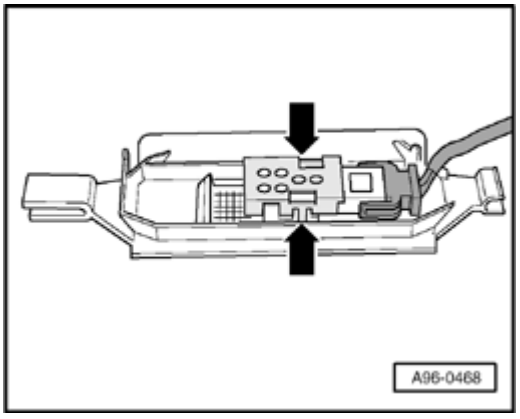

Fig. 560: Prying Off Cap
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Pry off cap - **arrows** -.
- Remove bulb (12 V, 5 W) from holder.

Installing

Install in reverse order of removal.

Left Luggage Compartment Light W18 , Right Luggage Compartment Light W35 - Sedan, removing and installing

Removing

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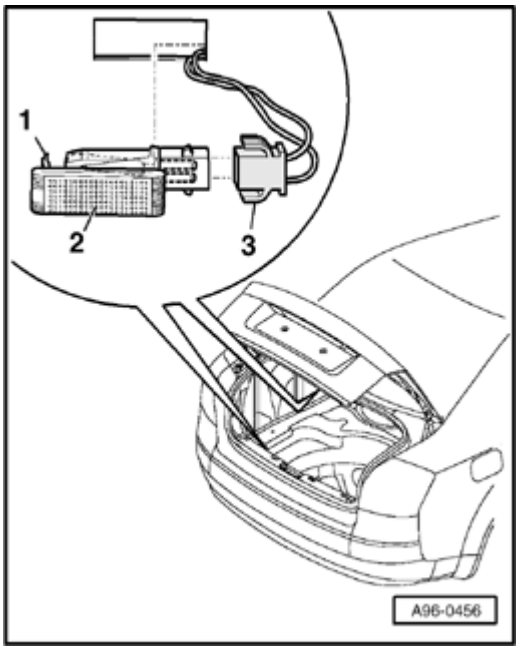

Fig. 561: Identifying Retaining Tab, Luggage Compartment Light, And Electrical Connection
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Use a flat screwdriver to press in retaining tab - **1** - and pry out luggage compartment light - **2** -.
- Disconnect electrical connection - **3** -.
- Remove bulb (12 V, 5 W) from holder.

Installing

Install in reverse order of removal.

Luggage Compartment Light W3 - Avant, removing and installing

Special tools, testers and auxiliary items required

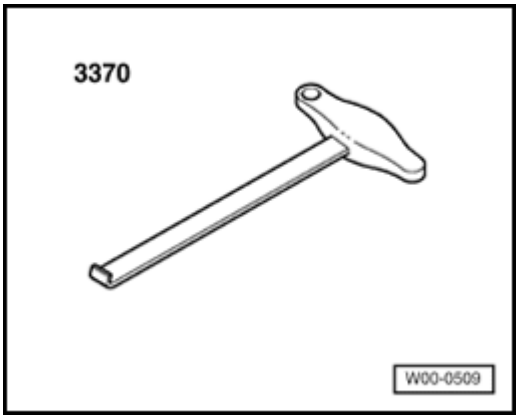

Fig. 562: Identifying Special Hook 3370
Courtesy of VOLKSWAGEN UNITED STATES, INC.

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- Hook 3370

Removing

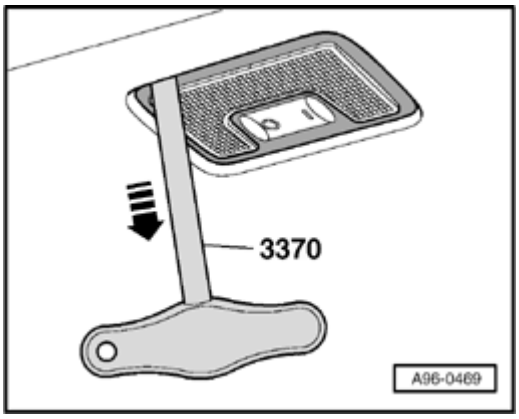

Fig. 563: Removing Luggage Compartment Light From Headliner Opening Using Hook 3370
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Carefully remove luggage compartment light from headliner opening using hook 3370 as illustrated - **arrow** -.
- Disconnect electrical connection.

Installing

Install in reverse order of removal.

Luggage Compartment Light W3 - bulb, Avant, replacing

Removing

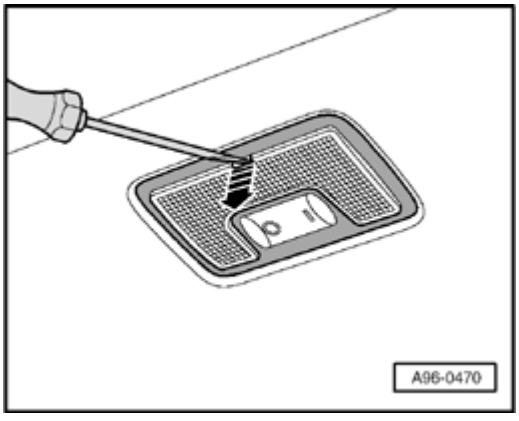

Fig. 564: Prying Off Lens With Screwdriver
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Insert small screwdriver at recess in lens and carefully pry off lens - **arrow** -.

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- Remove bulb (12 V, 6 W) from holder.

Installing

Install in reverse order of removal, noting the following:

- Press on lens until it engages.

Rear Lid Courtesy Lamp W51 - Avant, removing and installing

Special tools, testers and auxiliary items required

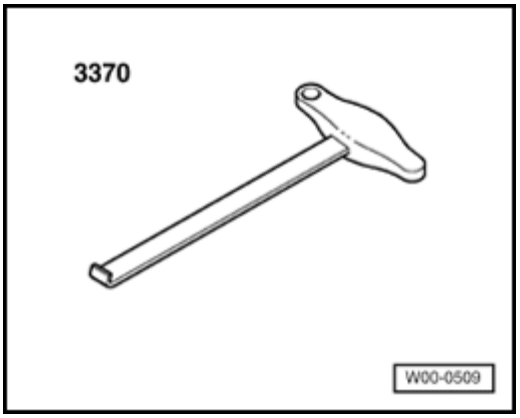

Fig. 565: Identifying Special Hook 3370
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Hook 3370

Removing

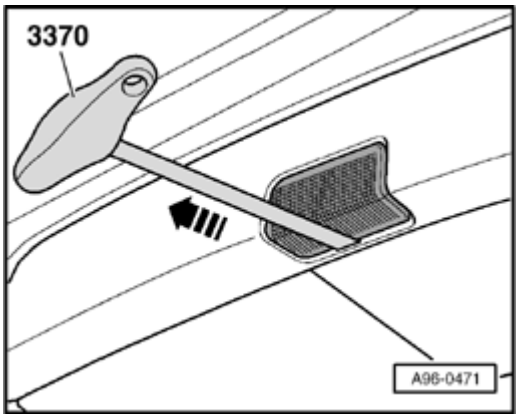

Fig. 566: Pulling Rear Lid Light Using Hook 3370
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Carefully pull rear lid light in direction of - **arrow** - using hook 3370 as illustrated.

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- Disconnect electrical connection.

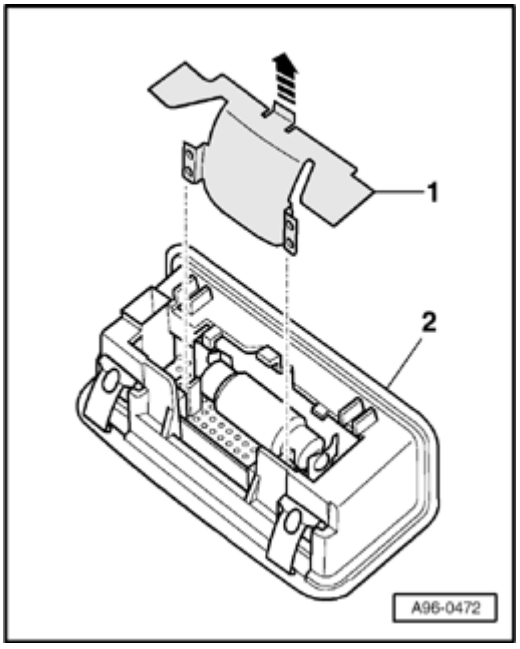

Fig. 567: Pulling Reflector Out Of Rear Lid Light
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Where applicable, pull reflector - **1** - out of rear lid light - **2** -.
- Remove bulb (12 V, 6 W) from holder.

Installing

Install in reverse order of removal, noting the following:

- Insert rear lid light in opening and engage on opposite side.

HORN

Signal Horn/Dual Tone Horn H1 - through 10.04, removing and installing

Removing

- Remove applicable headlamp:

- Halogen headlamp through 10.04 --> **Headlamps, removing and installing**
- HID headlamp through 10.04 --> **Headlamps, removing and installing**
- HID "Bi-Xenon" headlamp through 10.04 --> **Headlamps, removing and installing**

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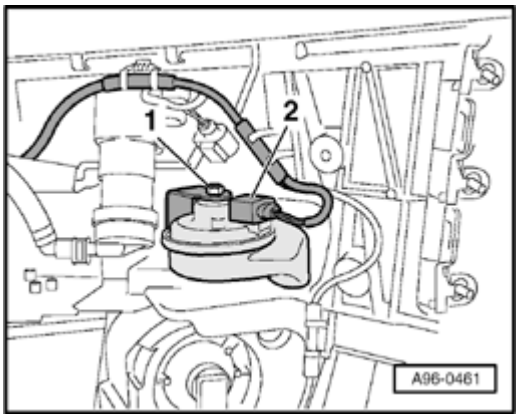

Fig. 568: Identifying Connector, Nut, And Horn
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Disconnect electrical connection - **2** -.
- Remove nut - **1** - and detach horn from retainer.

NOTE:

- **Illustration shows bumper removed for clarity.**

Installing

Install in reverse order of removal, noting the following:

- Install headlamp.

- Halogen headlamp through 10.04 --> **Headlamps, removing and installing**
- HID headlamp through 10.04 --> **Headlamps, removing and installing**
- HID "Bi-Xenon" headlamp through 10.04 --> **Headlamps, removing and installing**

Tightening torque

Component - fastener	Nm
Horn to bracket - nut	5

Signal Horn/Dual Tone Horn H1 - from 11.04, removing and installing

Removing

Vehicles without charge air cooler or additional radiator:

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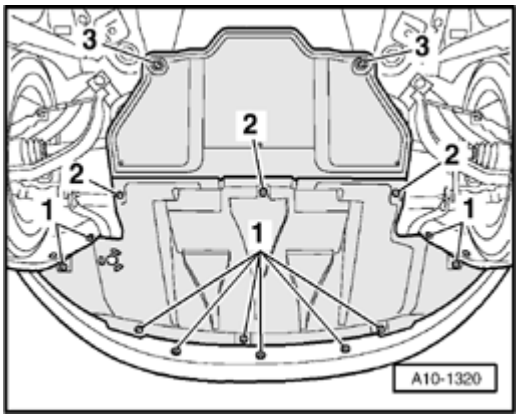

Fig. 569: Identifying Quick-Release Fasteners And Noise Insulation
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Release fasteners - **1** - and - **2** - and remove front noise insulation.

Vehicles with charge air cooler or additional radiator:

- Remove front bumper cover --> **63 BUMPER** .

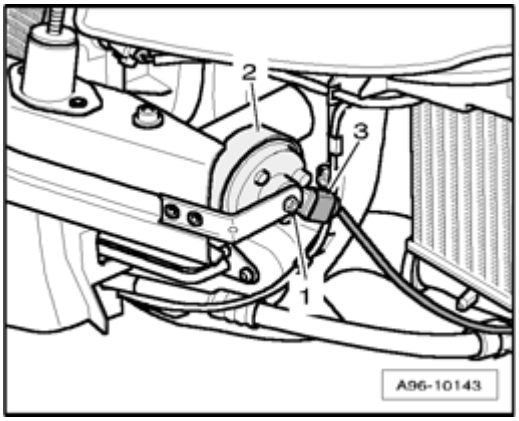

Fig. 570: Disconnecting Left/Right Electrical Connectors Of Horns
Courtesy of VOLKSWAGEN UNITED STATES, INC.

All models:

- Disconnect electrical connection - **3** -.
- Remove nut - **1** - and detach horn - **2** - from retainer.

NOTE:

- **Illustration shows bumper removed for clarity.**

Installing

Install in reverse order of removal, noting the following:

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Vehicles with charge air cooler or additional radiator:

- Install front bumper cover --> **63 BUMPER** .

Tightening torque

Component - fastener	Nm
Horn to bracket - nut	5

HEATED STEERING WHEEL

Heated steering wheel, servicing

- Remove airbag module and steering wheel --> **69 - PASSENGER PROTECTION - AIRBAGS, SEAT BELTS** .
- Check wiring connections Wiring Diagrams.

NOTE:

- **Steering wheel must be replaced if heated steering wheel malfunctions.**

GARAGE DOOR OPENER - HOMELINK (R)

Garage Door Opener Control Head E284 , removing and installing

Removing

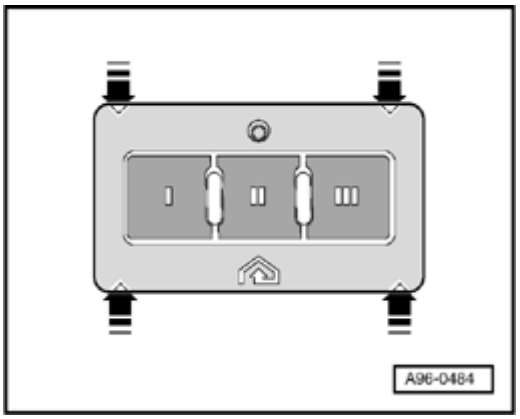

Fig. 571: Prying Control Head Out Of Windshield Frame
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Use small screwdriver to pry control head out of sun visor at locations indicated - **arrows** -.
- Disconnect electrical connection.

Installing

Install in reverse order of removal.

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Garage Door Opener Control Module J530 - through 10.04, removing and installing

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

Removing

- Remove front bumper cover --> **63 BUMPER** .

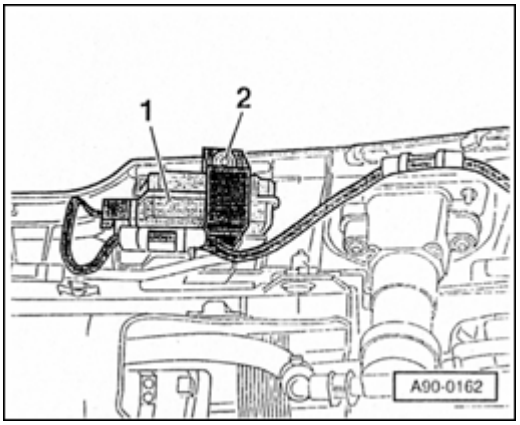

Fig. 572: Identifying Bolt And Module For Removal
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Remove bolt - **2** - and disengage retainer.
- Remove module - **1** - from bumper cover.
- Disconnect electrical connection.

Installing

Install in reverse order of removal, noting the following:

- Install front bumper cover --> **63 BUMPER** .

Garage Door Opener Control Module J530 - from 11.04, removing and installing

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

Removing

- Remove front bumper cover --> **63 BUMPER** .

Vehicles with headlamp washers

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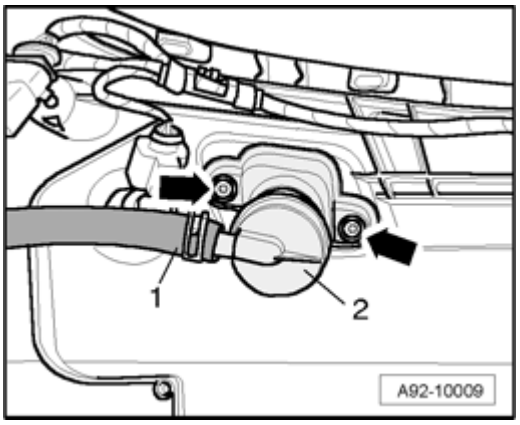

Fig. 573: Identifying Hose, Spray Jet, And Screws
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Release clamp and remove hose - **1** -.
- Turn hose connector - **2** - on headlight washer system upward.

Continued for all

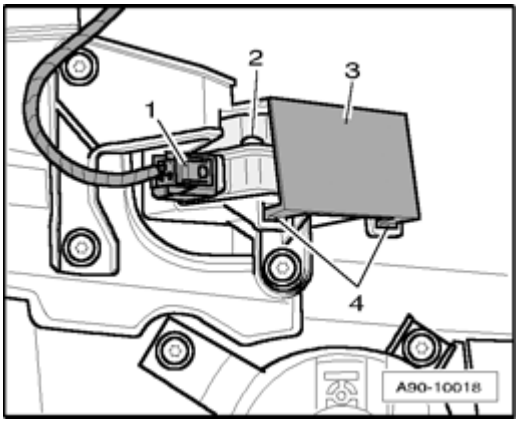

Fig. 574: Identifying Retaining Clips, Retainer, Module, And Electrical Connection
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Release retaining clips - **4** - and fold back retainer - **3** -.
- Remove module - **2** - from bumper cover.
- Disconnect electrical connection - **1** -.

Installing

Install in reverse order of removal, noting the following:

- Install front bumper cover --> **63 BUMPER** .

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