

ACCESSORIES & EQUIPMENT

Front Doors, Central Locking System (Sedan)

57 FRONT DOORS, CENTRAL LOCKING SYSTEM

DESCRIPTION AND OPERATION

DOORS

STRIKER PIN, DOOR LOCK AND DOOR OPENER ACTUATING LINK OVERVIEW
WINDOW REGULATOR MOTOR AND WINDOW REGULATOR OVERVIEW

DOOR OVERVIEW

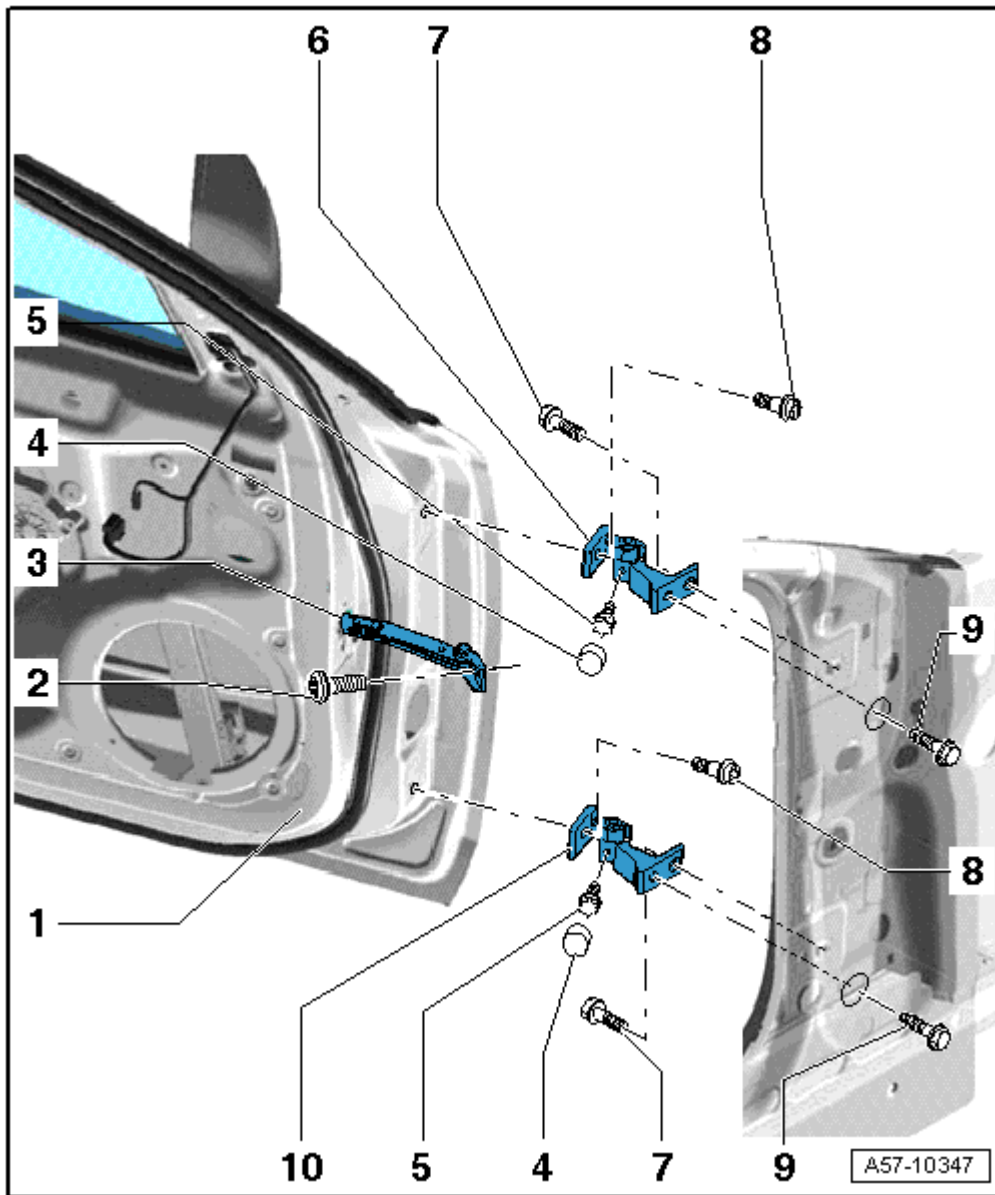


Fig. 1: Identifying Door Overview

Courtesy of AUDI OF AMERICA, LLC

1. Door

-- Remove the door trim. Refer to **Removal and Installation** .

2. Bolt

- 25 Nm

3. Door Arrester

- Removing and installing, refer to **DOOR CHECK OVERVIEW**.

4. Cover

- Mount on the stud bolt.
- 5. Stud Bolt
 - 30 Nm
- 6. Upper Door Hinge
- 7. Bolt
 - 32 Nm
- 8. Bolt
 - 45 Nm

NOTE: The bolt is a fitting bolt so it is generally not necessary used for adjusting the door.

If it is necessary to make an adjustment using these bolts, the bolt can be replaced with one of the same length and strength category.

- 9. Bolt
 - 32 Nm
- 10. Bottom Door Hinge

DOOR, ADJUSTING

Special tools and workshop equipment required

- Adjustment Gauge 3371
- Template T40038 /8

NOTE: The >>min and max<< markings on T40038 /8 are used to check the lateral adjustment.

The groove in the center of the template is used for checking the height.

The 0.4 mm graduation is used for checking the recess of the front door to the fender, or of the rear door to the front door.

the 0.6 mm graduation is used to check the recess of the trim on the B-pillar from the rear door to the front door.

Gap dimensions

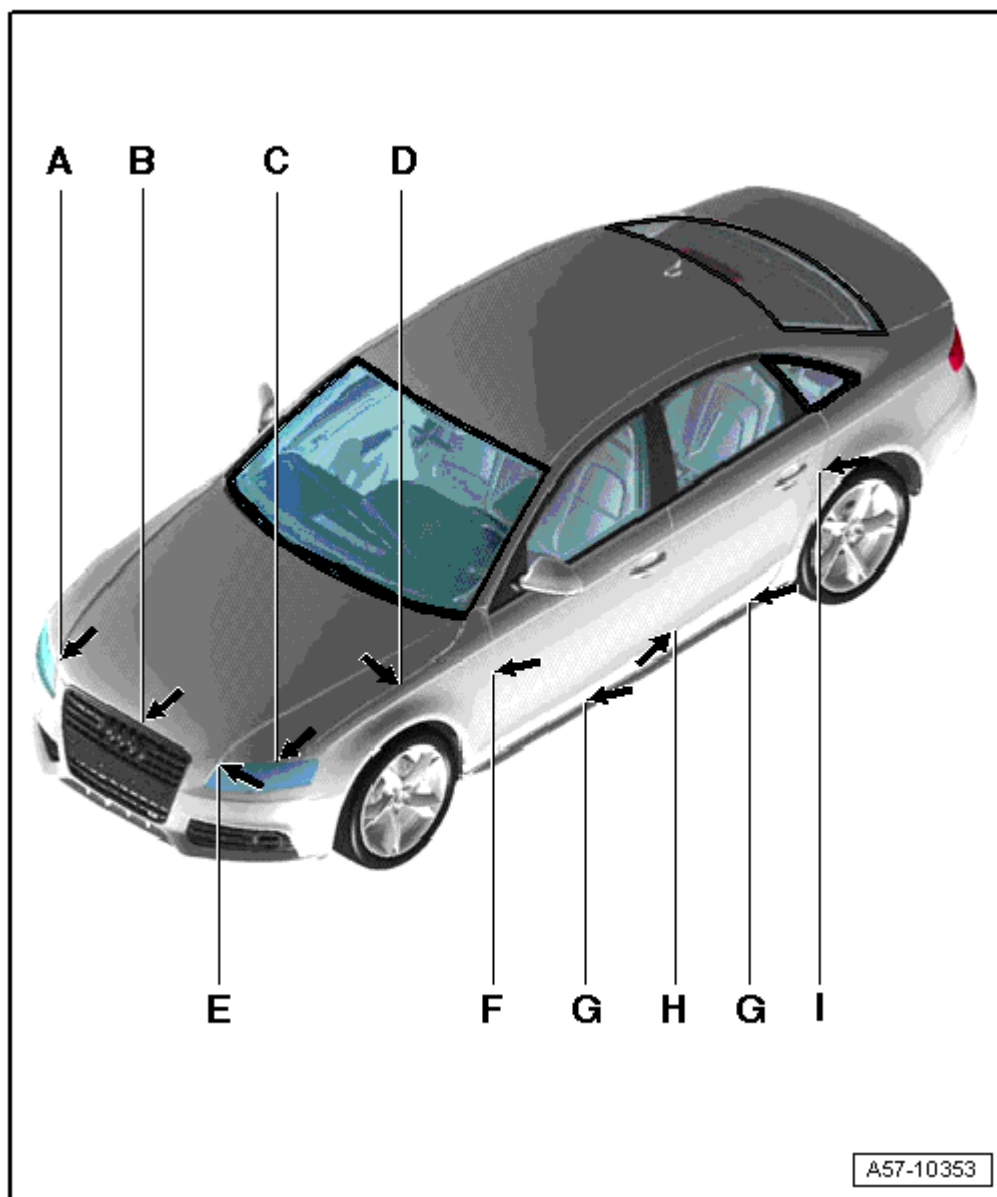


Fig. 2: Identifying Hood Gap Dimensions

Courtesy of AUDI OF AMERICA, LLC

NOTE: All dimensions are given in mm.

All dimension tolerances are ± 0.5 mm.

The parallel alignment of the gap must not exceed 0.5 mm.

- Dimension F = 3.5 mm
- Dimension G = 4.5 mm
- Dimension H = 3.5 mm

Driver Side

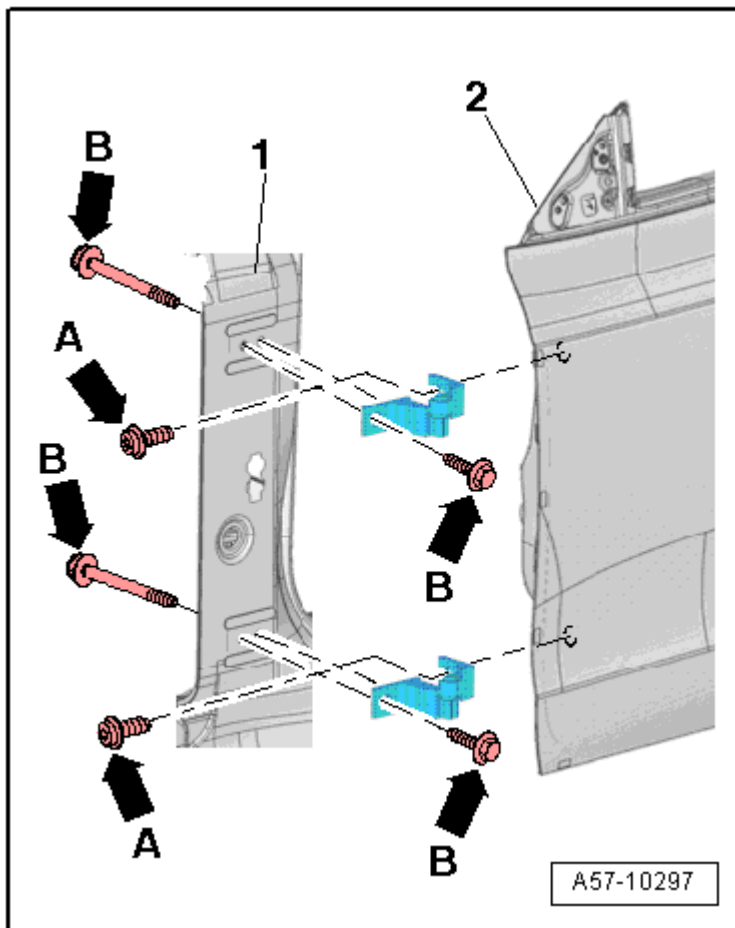
- Remove the driver side instrument panel cover. Refer to **Removal and Installation** .
- Remove the trim at the bottom of the A-pillar. Refer to **Removal and Installation** .
- Remove the driver side relay carrier mount **[For engine(s) CAEB, CALA, CCBA] Removal and Installation** .

Passenger Side

- Remove the glove compartment. Refer to **Removal and Installation** .

Procedure for Both Sides

- Remove the A-pillar coupling station. Refer to **[For engine(s) CAEB, CALA, CCBA] Removal and Installation** .

LONGITUDINAL DIRECTION ADJUSTMENT**Fig. 3: Identifying Adjustment Bolts**

Courtesy of AUDI OF AMERICA, LLC

- Loosen the bolts -arrows B- at the top and at the bottom of the hinge and on the A-pillar -1-.
- Adjust the door -2- lengthwise.
- Tighten the bolts -B arrows-.
- Tightening specifications, refer to item 7 **DOOR OVERVIEW**.

Height Adjustment

NOTE: The hinge screws on the door (item 8 **DOOR OVERVIEW**) are so-called fitting screws, therefore it is not necessary to adjust the door using these screws.

If it is necessary to make an adjustment using these bolts, the bolt can be replaced with one of the same length and strength category.

- Use the T40038 /8 for adjusting.
- Place the T40038 /8 in distance -a- = 150 mm.

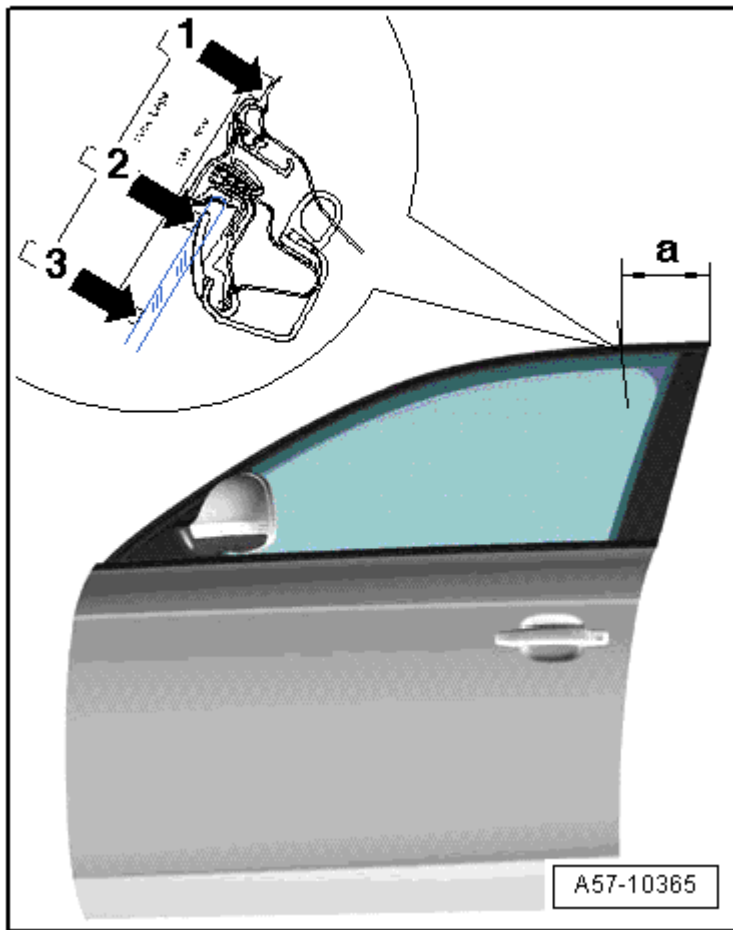


Fig. 4: Loosening Bolts

Courtesy of AUDI OF AMERICA, LLC

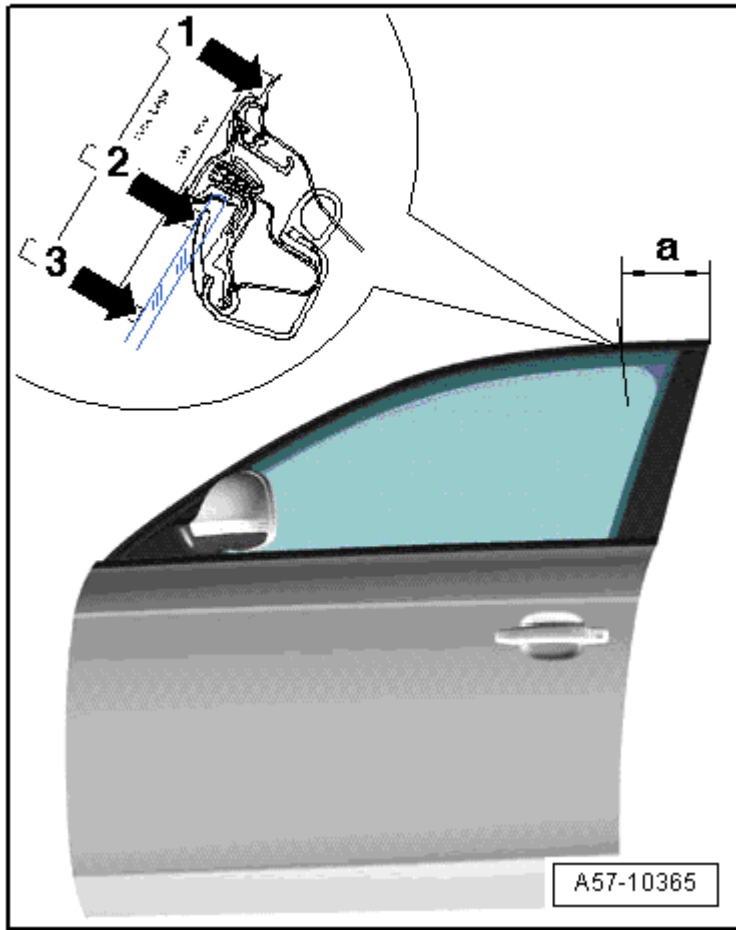
-- When correctly adjusted, the T40038 /8 must contact the roof and trim strip >>point 1<< (-arrows-) as illustrated.

-- At >>point 2<< the bottom of the window guide must be inside the groove.

Adjustment to Center of Vehicle

-- Use the T40038 /8 for adjusting.

-- Place the T40038 /8 in distance -a- = 150.

**Fig. 5: Loosening Bolts**

Courtesy of AUDI OF AMERICA, LLC

-- Loosen the bolts -A arrows- (Refer to **LONGITUDINAL DIRECTION ADJUSTMENT**) on the top and bottom of the hinge.

-- Adjust the door -2- lengthwise.

-- Tighten the bolts -A arrows-.

-- For the >>min<< position, >>points -1- and -3-<< must touch.

-- >>Point -2-<< may show a gap.

-- For the >>max<< position, >>points -2- and -3-<< must touch.

-- >>Point -1-<< may show a gap.

- Tightening specifications item 8, refer to **DOOR OVERVIEW**.

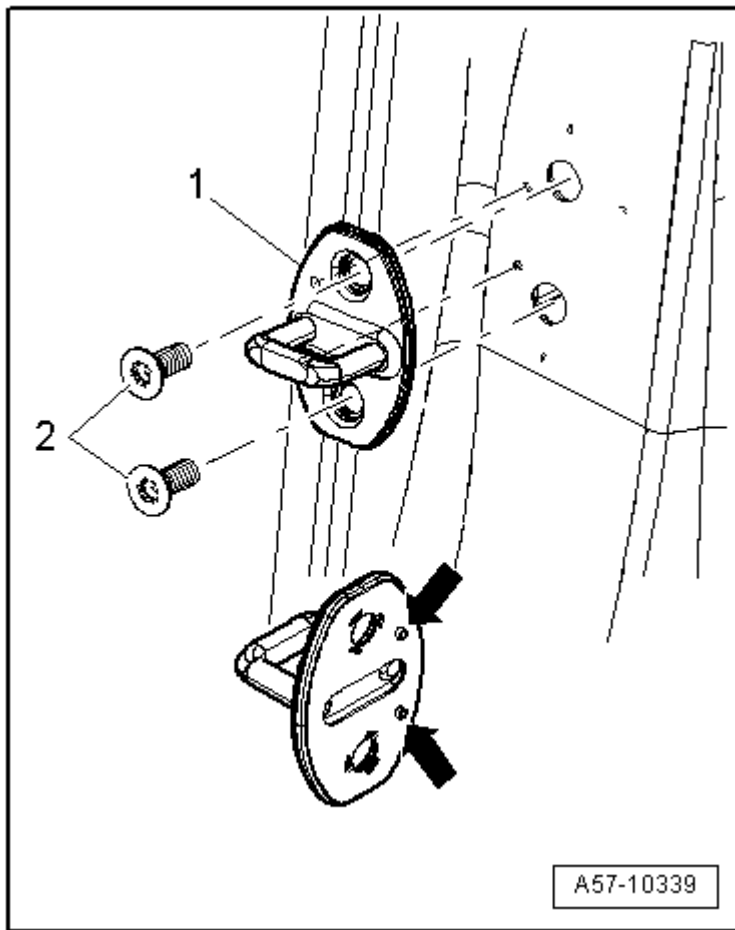


Fig. 6: Identifying Adjustment With Striker Pin

Courtesy of AUDI OF AMERICA, LLC

-- Loosen the bolts -2-.

-- Slide the striker pin -1- until the door is flush with the body contours.

NOTE: Only work from the center of the vehicle out when adjusting at the striker pin.

Do not adjust the door height using the striker pin because the door lock will be damaged.

-- Loosen the bolts -2-.

-- Slide the striker pin -1- until the door is flush with the body contours.

-- Striker pin must align in door lock center for correct adjustment.

-- Tighten the bolts -2-.

DOOR CHECK OVERVIEW

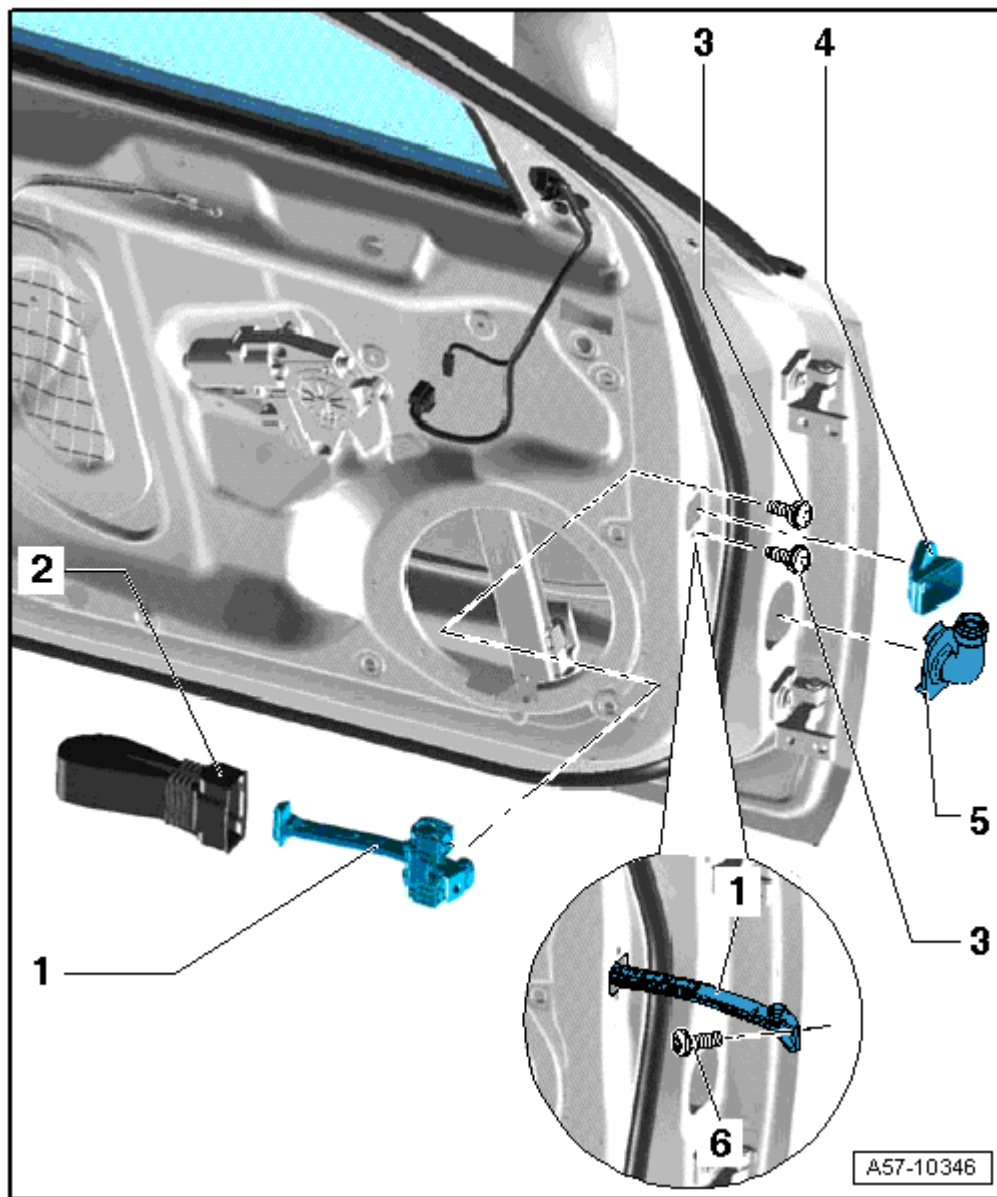


Fig. 7: Identifying Door Check Overview
Courtesy of AUDI OF AMERICA, LLC

1. Door Check
2. Rubber Grommet
3. Bolt
 - 8 Nm
4. Cover
5. Grommet
6. Bolt
 - 25 Nm

Removing

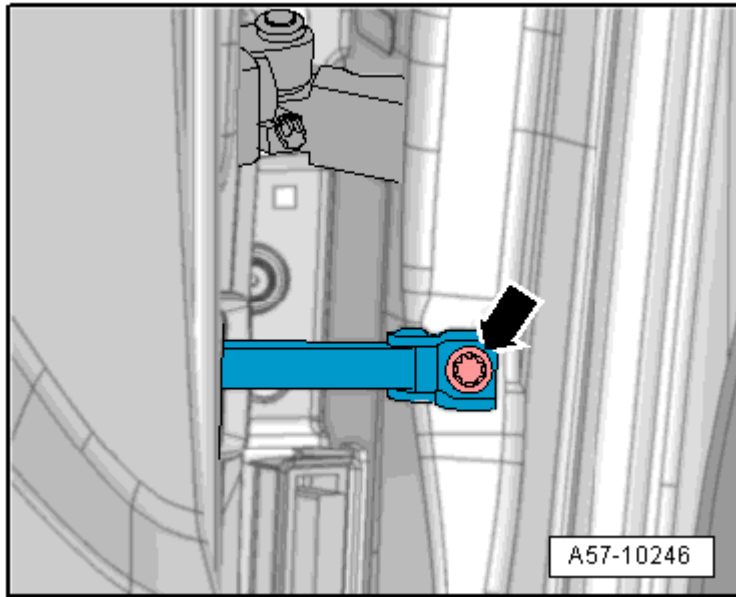


Fig. 8: Identifying Door Arrester Bolt
Courtesy of AUDI OF AMERICA, LLC

- Close the window.
- Remove the door trim. Refer to **Removal and Installation** .
- Remove the lower speaker. Refer to **Removal and Installation** .
- Remove the door check bolt -arrow-.
- Remove the door check seal -1- on the door opening.

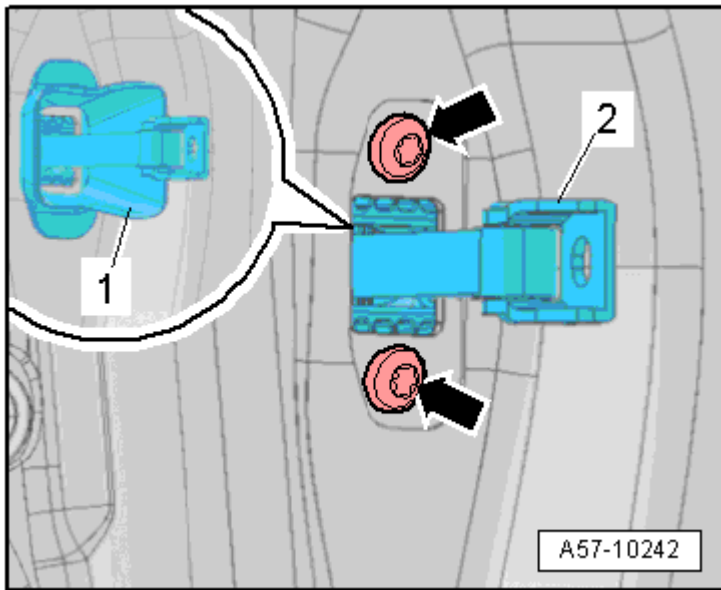


Fig. 9: Identifying Door Check Components
 Courtesy of AUDI OF AMERICA, LLC

- Remove the bolt -arrows- and remove the door check -2- inward.
- Pull the rubber grommet -1- on the door check to the side -arrows A-.

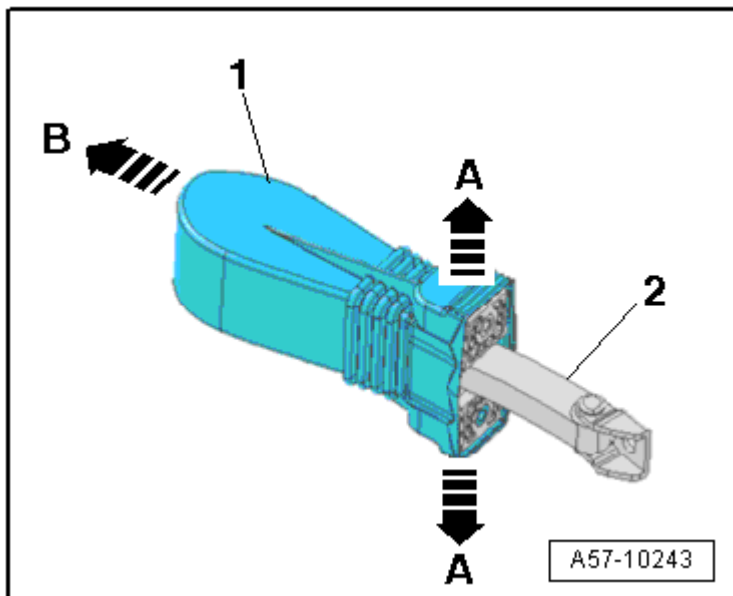


Fig. 10: Identifying Door Check Grommets, Removal
 Courtesy of AUDI OF AMERICA, LLC

- Remove the rubber grommet from the door check -2- -arrow B-.

Installation

- Tightening specifications. Refer to **DOOR CHECK OVERVIEW**.

Installation is reverse of removal, but note the following:

- Install the lower speaker. Refer to **Removal and Installation**.
- Install the door trim. Refer to **Removal and Installation**.

DOOR HANDLE AND LOCK OVERVIEW

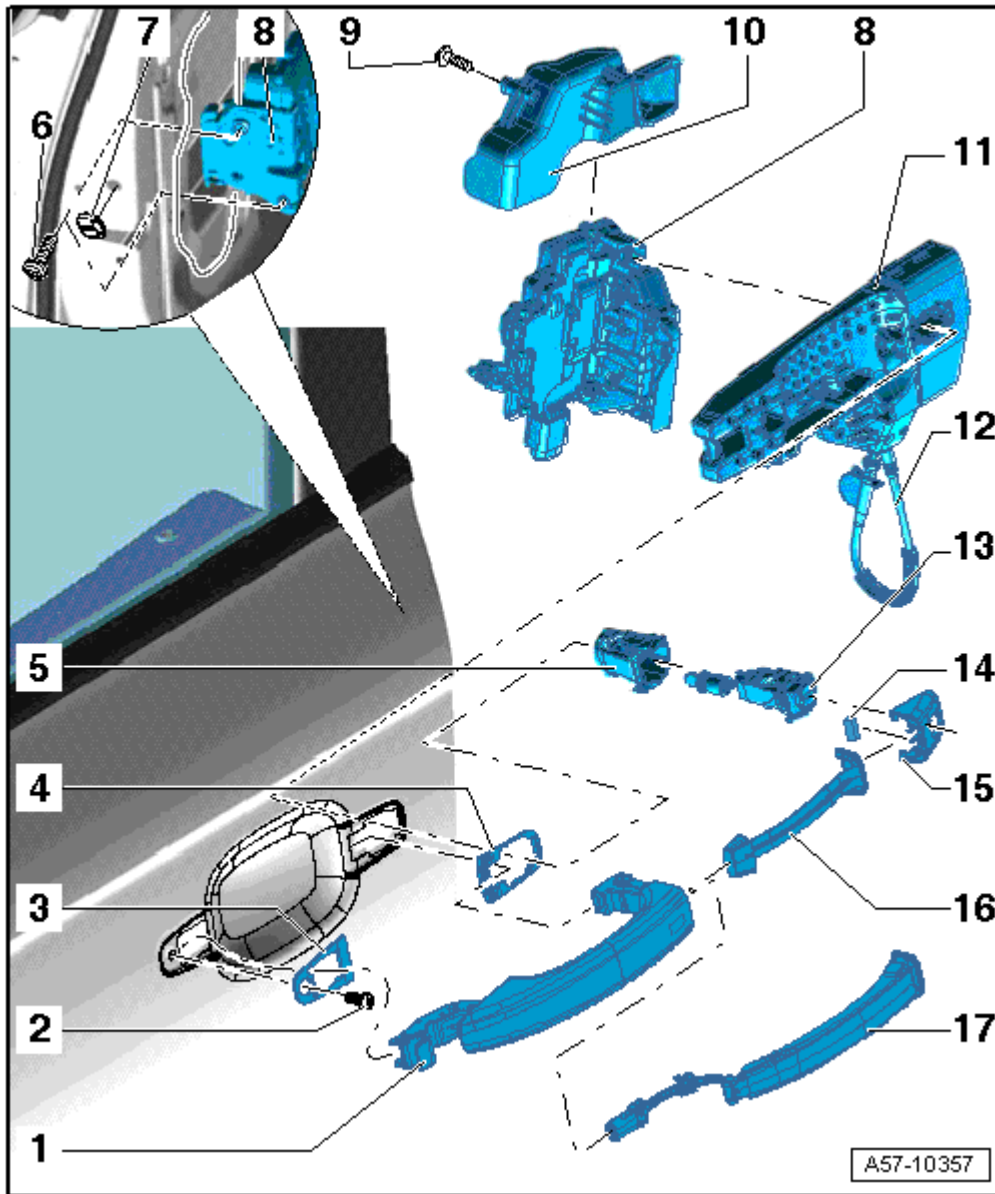


Fig. 11: Identifying Door Handle And Lock Overview
Courtesy of AUDI OF AMERICA, LLC

1. Outside Door Handle

- Removing and installing, refer to **OUTER DOOR HANDLE**.
- 2. Bolt
 - 2.5 Nm
- 3. Front Backing
 - Removing and installing, refer to **OUTER DOOR HANDLE**.
- 4. Rear Backing
 - Removing and installing, refer to **OUTER DOOR HANDLE**.
- 5. Housing
 - Instead of the lock cylinder.
 - For the passenger door.
 - Removing and installing the same as for the lock cylinder.
- 6. Bolt
 - Tightening specification: 19 Nm.
- 7. Cover
 - Unclip prior to removing the door handle.
- 8. Door Lock
- 9. Bolt
 - 3.5 Nm
- 10. Cover
 - With the cover for the door lock.
 - Removing and installing, refer to **DOOR LOCK COVER**.
- 11. Mounting Bracket
 - Removing and installing, refer to **MOUNTING BRACKET**.
- 12. Actuating Link
 - For the door lock.
 - Removing and installing, refer to **DOOR LOCK ACTUATING LINK**.
- 13. Lock Cylinder
 - For the driver door only.
 - Removing and installing, refer to **LOCK CYLINDER**.
- 14. Magnet
 - For vehicles with the "keyless entry system".
- 15. Cover
 - Driver side: for lock cylinder.
 - Passenger side: closed version.
 - Removing and installing, refer to **REMOVE THE LOCK CYLINDER CAP**.
- 16. Outer Door Handle Trim
 - For vehicles without the "keyless entry system".
 - Removing and installing, refer to **OUTER DOOR HANDLE TRIM**.

17. Door Handle Sensor

- For vehicles with the "keyless entry system".
- Removing and installing, refer to **[For engine(s) CAEB, CALA, CCBA] Removal and Installation** .

OUTER AND INNER WINDOW SHAFT STRIP OVERVIEW

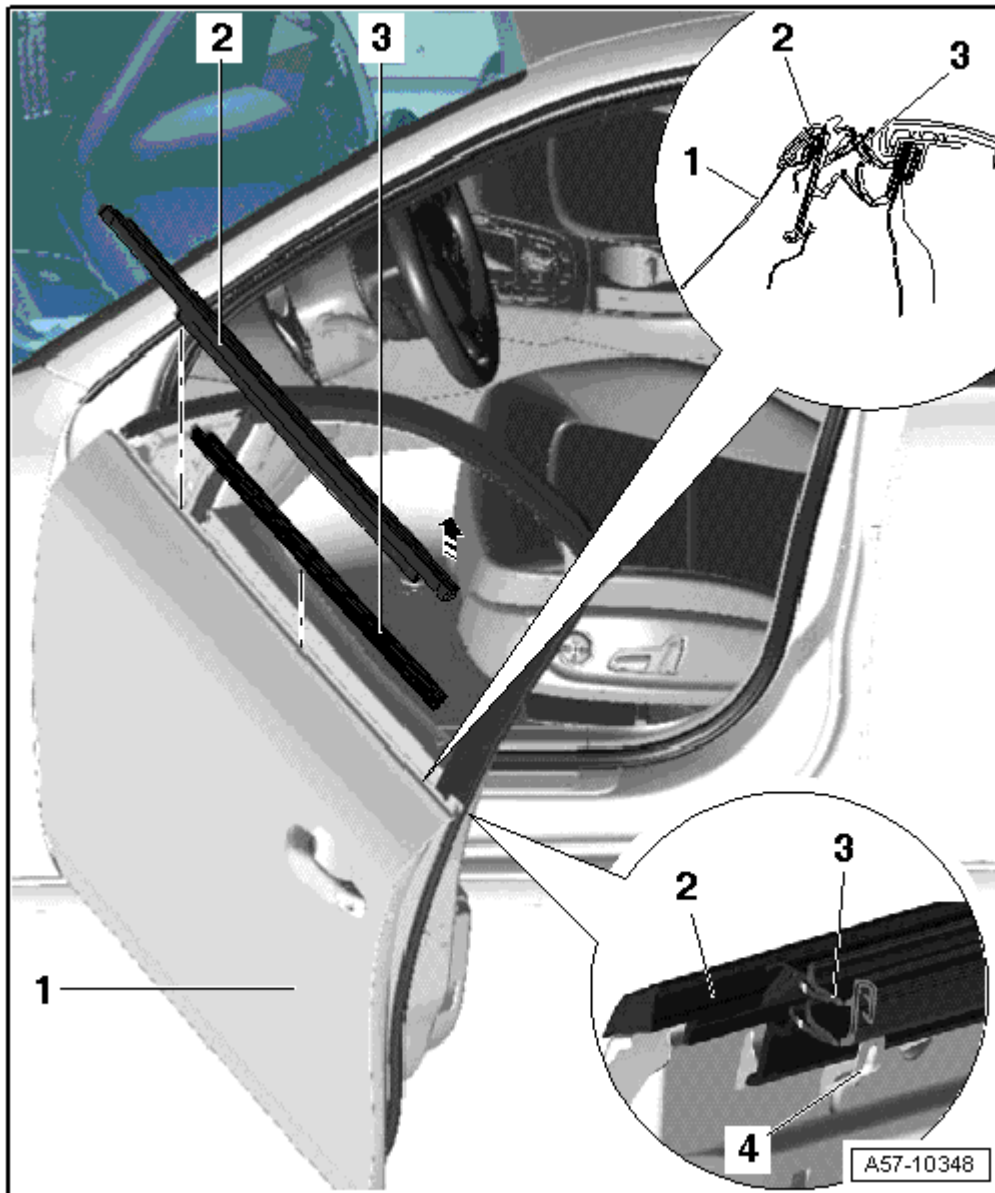


Fig. 12: Identifying Outer And Inner Window Shaft Strip
Courtesy of AUDI OF AMERICA, LLC

1. Door
2. Outer Window Shaft Strip
 - Removing and installing, refer to **OUTER WINDOW SHAFT STRIP**.

3. Inner Window Shaft Strip

- Door trim removed.

-- Remove upward from the door flange.

4. Catches

- Push the window shaft strip into the hooks as illustrated.

OUTER DOOR HANDLE OVERVIEW

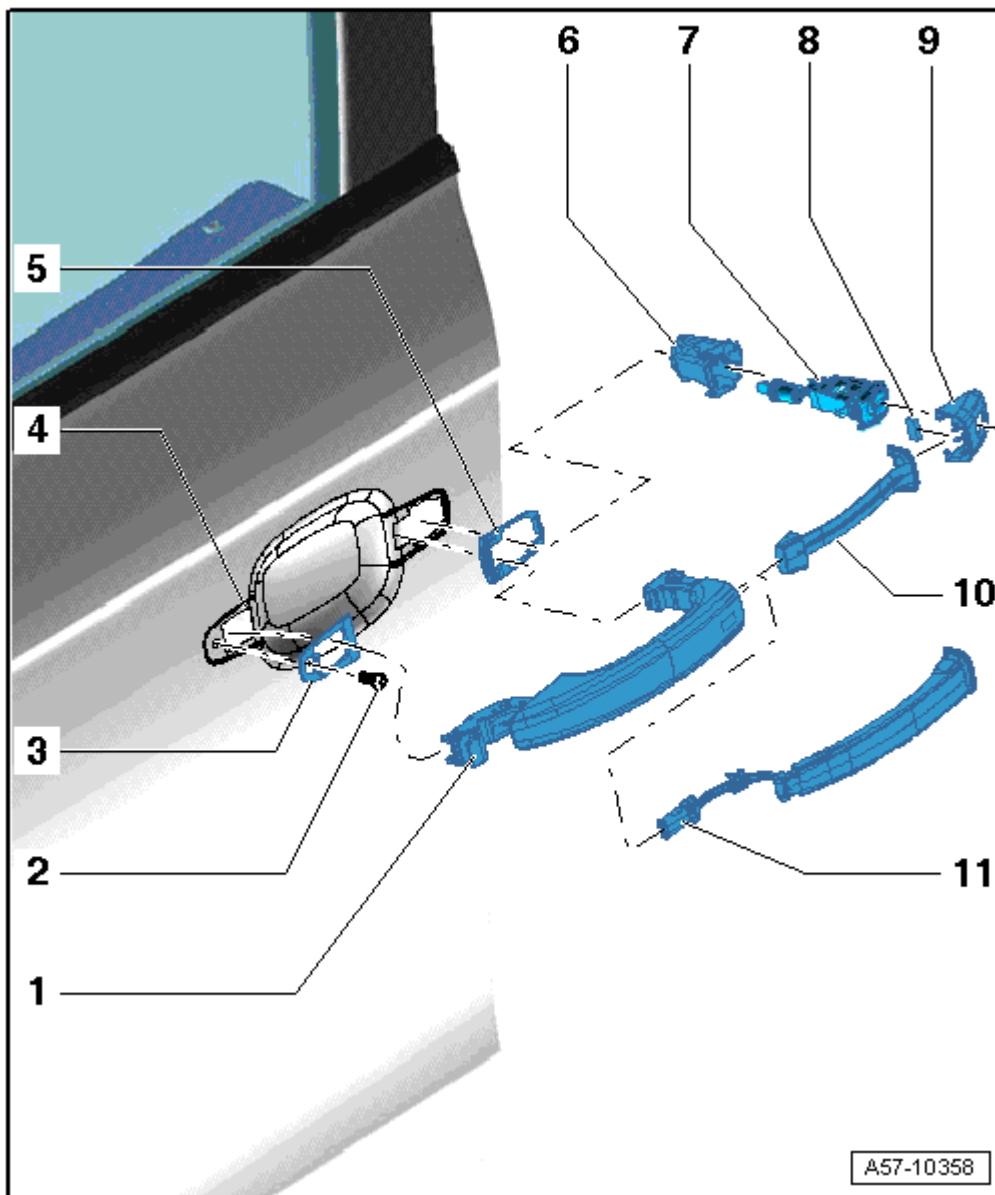


Fig. 13: Identifying Outer Door Handle
Courtesy of AUDI OF AMERICA, LLC

1. Outside Door Handle
 - Removing and installing, refer to **OUTER DOOR HANDLE**.
2. Bolt
 - 2.5 Nm
3. Front Backing
 - Removing and installing, refer to **OUTER DOOR HANDLE**.
4. Door
5. Rear Backing
 - Removing and installing, refer to **OUTER DOOR HANDLE**.
6. Housing
 - Instead of the lock cylinder.
 - For the passenger door.
 - Removing and installing is performed in the same way as with the lock cylinder.
7. Lock Cylinder
 - For the driver door
 - Removing and installing, refer to **LOCK CYLINDER**.
8. Magnet
 - For vehicles with the "keyless entry system".
9. Cover
 - Locked on the lock cylinder.
 - Removing, refer to **REMOVE THE LOCK CYLINDER CAP**.
10. Outer Door Handle Trim
 - For vehicles without the "keyless entry system".
 - Removing and installing, refer to **OUTER DOOR HANDLE TRIM**.
11. Door Handle Sensor
 - For vehicles with the "keyless entry system".
 - Removing and installing, refer to **FRONT OUTSIDE DOOR HANDLE TOUCH SENSORS - G605- / -G606-**.

STRIKER PIN, DOOR LOCK AND DOOR OPENER ACTUATING LINK OVERVIEW



1. Striker Pin
 - Removing and installing, refer to **STRIKER PIN**.
2. Bolt
 - 25 Nm
3. Bolt
 - 19 Nm
4. Door Lock Cable

CAUTION: There is a risk of malfunctions.

The door lock must be removed and installed together with the bracket to prevent overbending the cable when disengaging and engaging it.

The cable must be disconnected from/attached to lever on the door lock outside of the door.

5. Door Lock
 - Removing and installing, refer to **DOOR LOCK**.
6. Grommet
 - No replacement part
7. Door Opener Actuating Link
 - Removing and installing, refer to **DOOR OPENER ACTUATING LINK**.
8. Inner Door Panel Cover
 - Removing and installing, refer to **DOOR INNER PANEL COVER**.

WINDOW REGULATOR MOTOR AND WINDOW REGULATOR OVERVIEW

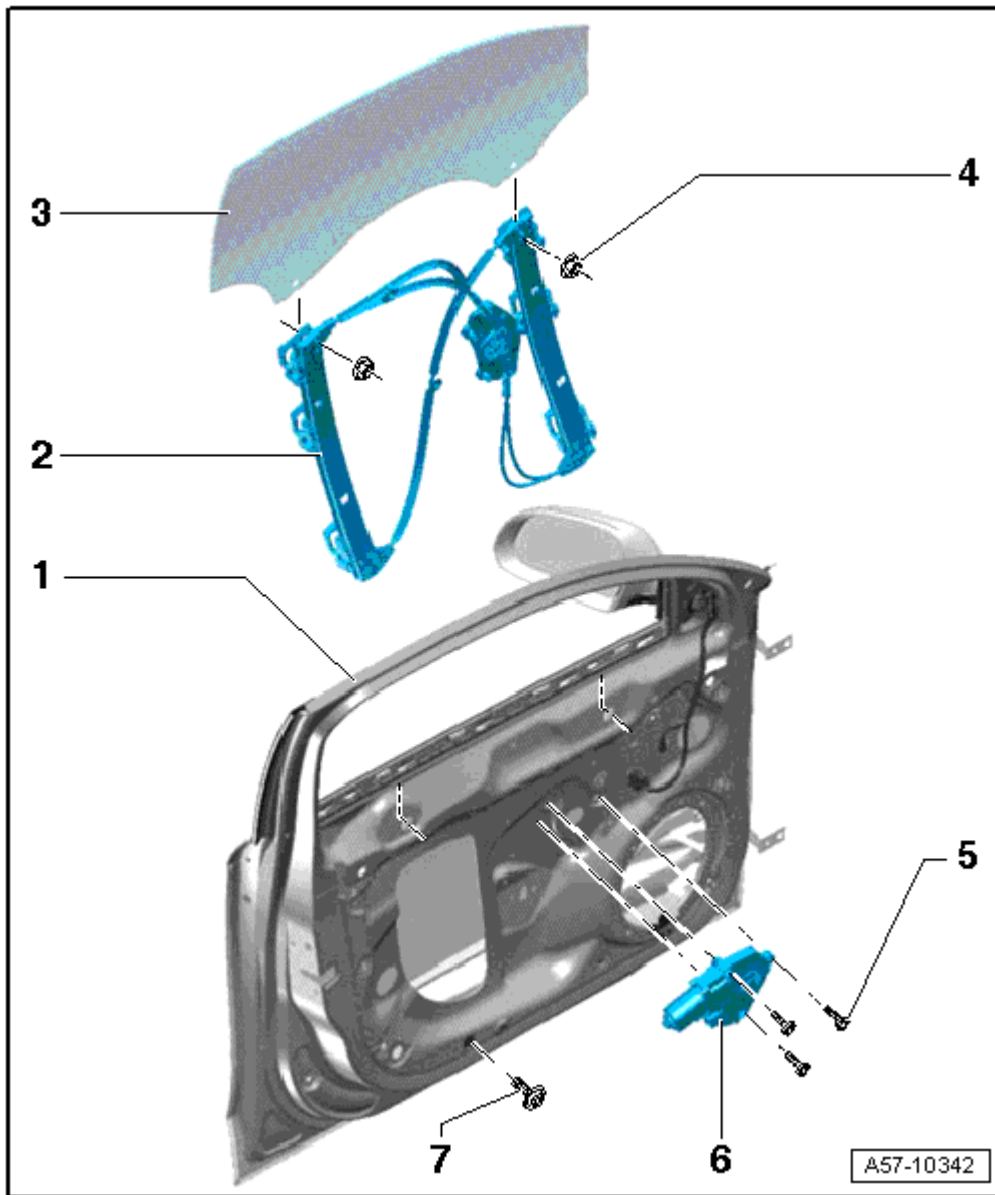


Fig. 15: Identifying Window Regulator Motor And Window Regulator
Courtesy of AUDI OF AMERICA, LLC

1. Door

-- Remove the door trim. Refer to **Removal and Installation** .

2. Window Regulator

- Door glass removed, refer to **FRONT DOOR WINDOW** .
- Removing and installing, refer to **WINDOW REGULATOR**.

3. Door Window

- Removing and installing, refer to **FRONT DOOR WINDOW** .

4. Nut
 - 9 Nm
5. Bolt
 - 3.5 Nm
 - Quantity: 3
6. Window Regulator Motor
 - Removing and installing, refer to **WINDOW REGULATOR MOTOR**.

CENTRAL LOCKING SYSTEM COMPONENT OVERVIEW

NOTE: Central locking functions electronically.

Actuators in doors are integrated in the door lock and have 2 motors.

Actuators cannot be replaced separately.

The first motor locks the door and the second motor locks the interior door mechanism (Safe function).

Now, doors also can no longer be opened from the interior.

After an accident in which the airbag deploys, the central locking control module opens any doors which were locked.

Central locking control module is located in right rear side panel.

Component Overview, Sedan

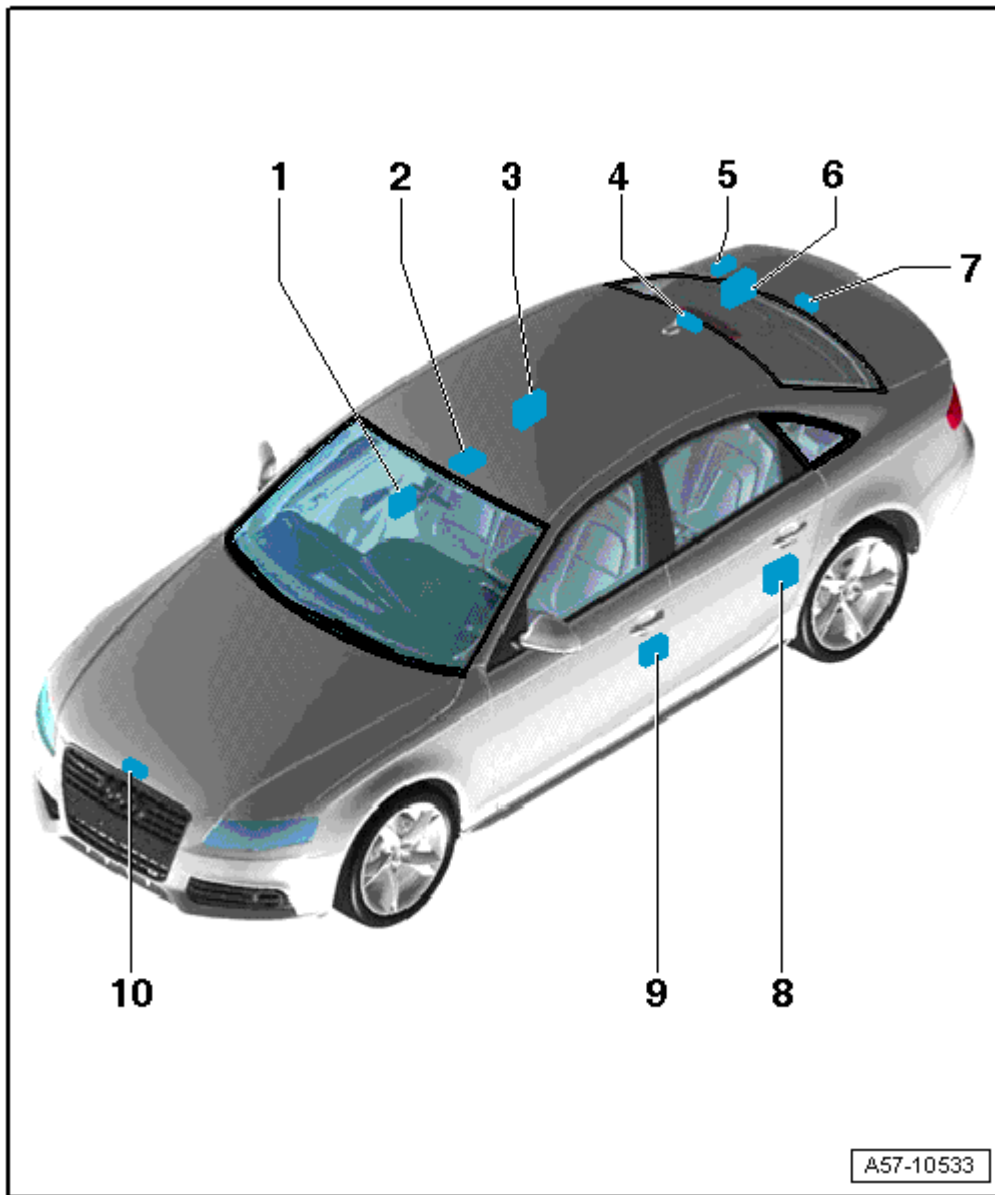


Fig. 16: Identifying Central Locking System Component

Courtesy of AUDI OF AMERICA, LLC

1. Front Passenger Door Control Module -J387-
 - Removing and installing, refer to **DOOR CONTROL MODULE -J386- /DOOR CONTROL MODULE -J387- REMOVING AND INSTALLING.**
2. Anti-Theft Alarm System Sensor -G578-
3. Right Rear Door Control Module -J389-
 - Removing and installing, refer to **DOOR CONTROL MODULE -J386- /DOOR CONTROL MODULE -J387- REMOVING AND INSTALLING.**
4. Fuel Filler Door Unlock Motor -V 155-
5. Comfort System Central Control Module -J393-

6. Vehicle Positioning System Interface Control Module -J843-
 - Removing and installing, refer to **VEHICLE POSITIONING SYSTEM INTERFACE CONTROL MODULE -J843-, REMOVING AND INSTALLING.**
7. Rear Lid Release Motor -V139-
8. Left Rear Door Control Module -J388-
 - Removing and installing, refer to **DOOR CONTROL MODULE -J388- /DOOR CONTROL MODULE -J389- REMOVING AND INSTALLING.**
9. Driver Door Control Module -J386-
 - Removing and installing, refer to **DOOR CONTROL MODULE -J386- /DOOR CONTROL MODULE -J387- REMOVING AND INSTALLING.**
10. Hood Switch -F266-

Component Overview, Avant

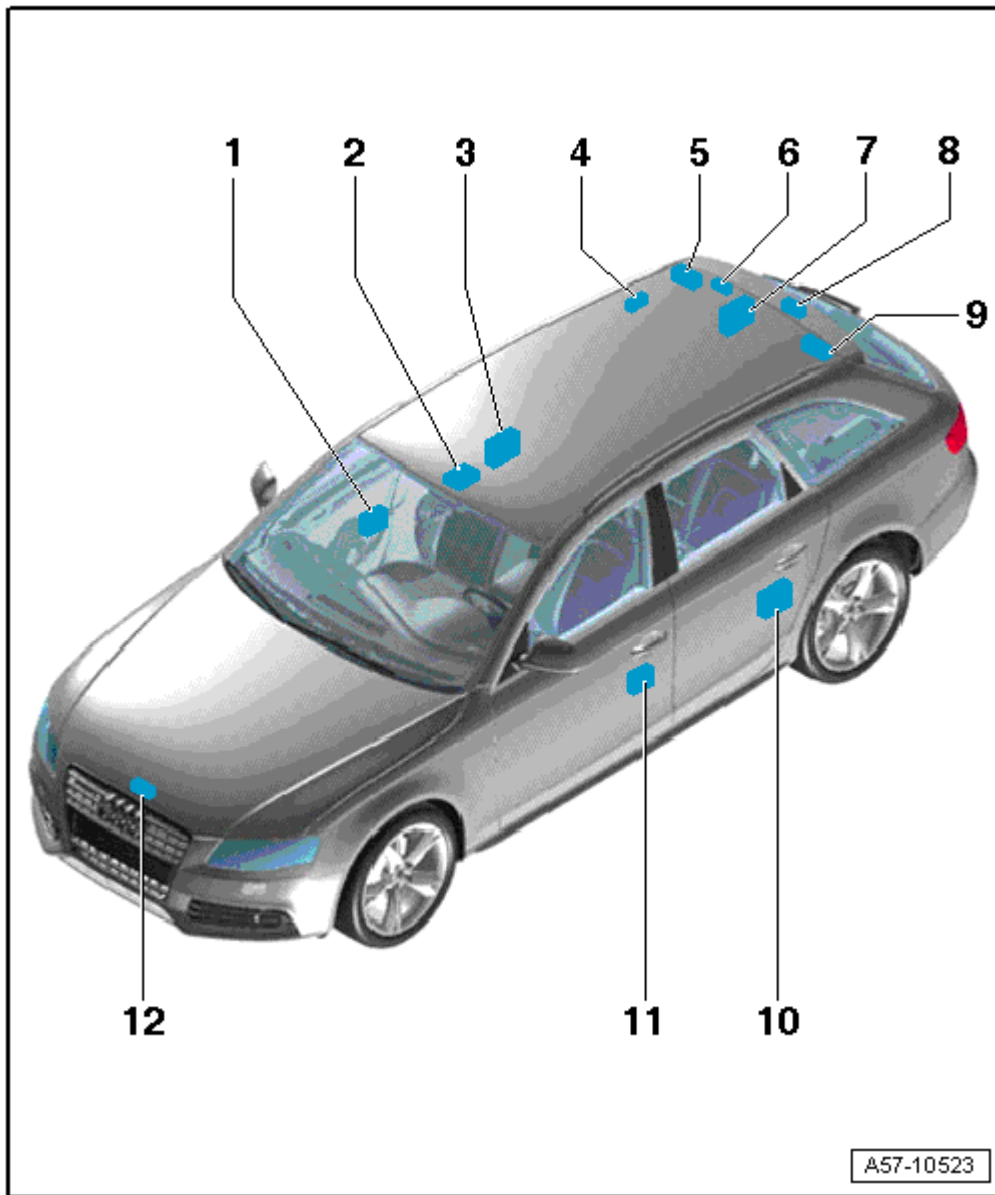


Fig. 17: Identifying Component Overview, Avant
 Courtesy of AUDI OF AMERICA, LLC

1. Front Passenger Door Control Module -J387-
 - Removing and installing, refer to **CENTRAL LOCKING SYSTEM COMPONENT OVERVIEW.**
2. Anti-Theft Alarm System Sensor -G578-
3. Right Rear Door Control Module -J389-
 - Removing and installing, refer to **DOOR CONTROL MODULE -J388- /DOOR CONTROL MODULE -J389- REMOVING AND INSTALLING.**
4. Fuel Filler Door Unlock Motor -V 155-
5. Rear Lid Control Module -J605-

6. Vehicle Positioning System Interface Control Module -J843-
 - Removing and installing, refer to **VEHICLE POSITIONING SYSTEM INTERFACE CONTROL MODULE -J843-, REMOVING AND INSTALLING.**
7. Comfort System Central Control Module -J393-
 - Removing and installing, refer to **CENTRAL LOCKING SYSTEM COMPONENT OVERVIEW.**
8. Rear Lid Release Motor -V139-
9. Rear Lid Control Module -J756-
10. Left Rear Door Control Module -J388-
 - Removing and installing, refer to **DOOR CONTROL MODULE -J388- /DOOR CONTROL MODULE -J389- REMOVING AND INSTALLING.**
11. Driver Door Control Module -J386-
 - Removing and installing, refer to **DOOR CONTROL MODULE -J386- /DOOR CONTROL MODULE -J387- REMOVING AND INSTALLING.**
12. Hood Switch -F266-

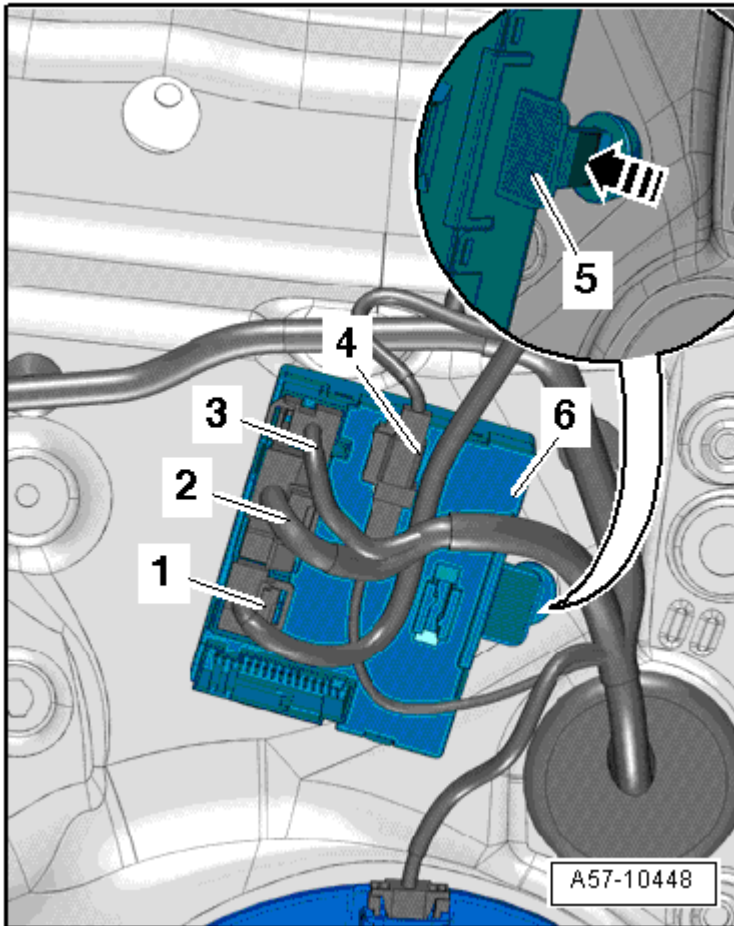
DOOR CONTROL MODULE -J386- /DOOR CONTROL MODULE -J387- REMOVING AND INSTALLING

Fig. 18: Identifying Door Control Module, Removal/Installation**Courtesy of AUDI OF AMERICA, LLC**

- Remove the door trim. Refer to **Removal and Installation** .
- Open the release and the disconnect the connectors -1- and -2-.
- Disconnect electrical harness connector -3-.
- Disconnect the connector -2- on the door control module.
- Press the retaining detent -5- in -direction of arrow- and disengage the door control module -6- on the door shell.

Installation

- Installation is in reverse order of removal. Make sure the catch engages in the inner door panel.

DOOR CONTROL MODULE -J388- /DOOR CONTROL MODULE -J389- REMOVING AND INSTALLING

- Press the release downward and disconnect the connector.

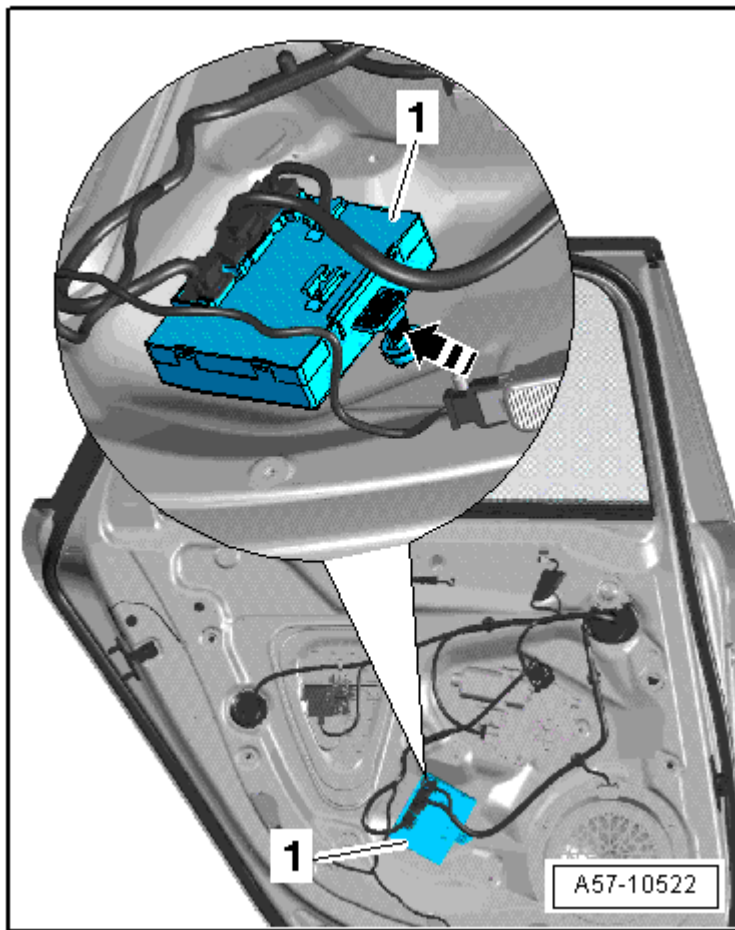


Fig. 19: Identifying Door Control Module, Removal/Installation
 Courtesy of AUDI OF AMERICA, LLC

-- Press the catch in -direction of arrow- and disengage the door control module -1- on the door shell.

Installation

-- Installation is in reverse order of removal. Make sure the catch engages in the inner door panel.

COMFORT SYSTEM CENTRAL CONTROL MODULE -J393-, REMOVING AND INSTALLING

-- Open the right luggage compartment side trim panel.

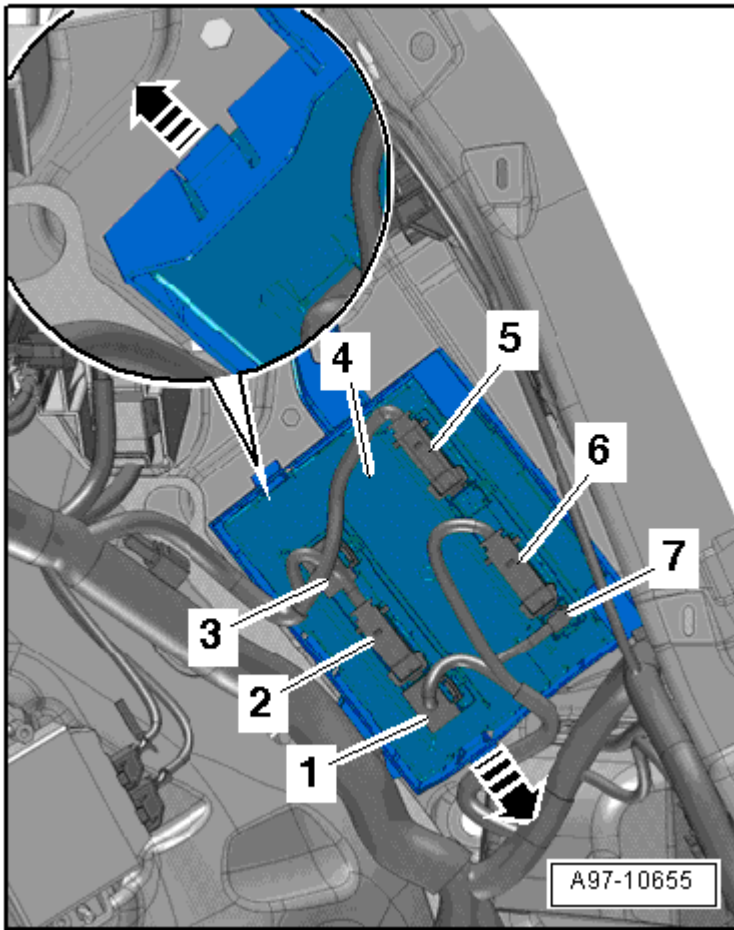


Fig. 20: Identifying System Central Control Module, Removal/Installation
Courtesy of AUDI OF AMERICA, LLC

- Open the clips -arrows- and remove the Comfort System Central Control Module -J393- -4- from the retainer.
- Carefully disconnect the connectors -1- and -3- and the connector for the antenna -7-.
- Disconnect the connectors -2, 5 and 6-.
- To disconnect electrical connector, press catch -1-, rotate the retaining bracket in -direction of arrow- and remove the connector.

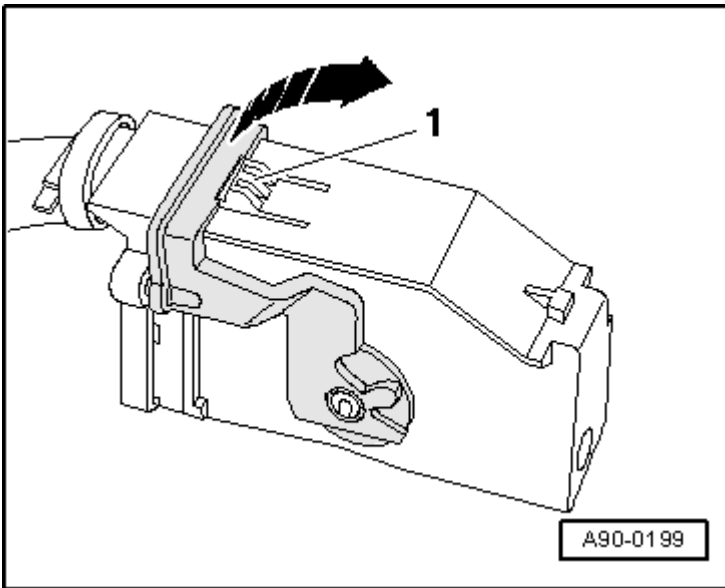


Fig. 21: Identifying Catch And Retainer
Courtesy of AUDI OF AMERICA, LLC

-- Remove the comfort system central control module -J393-.

VEHICLE POSITIONING SYSTEM INTERFACE CONTROL MODULE -J843-, REMOVING AND INSTALLING

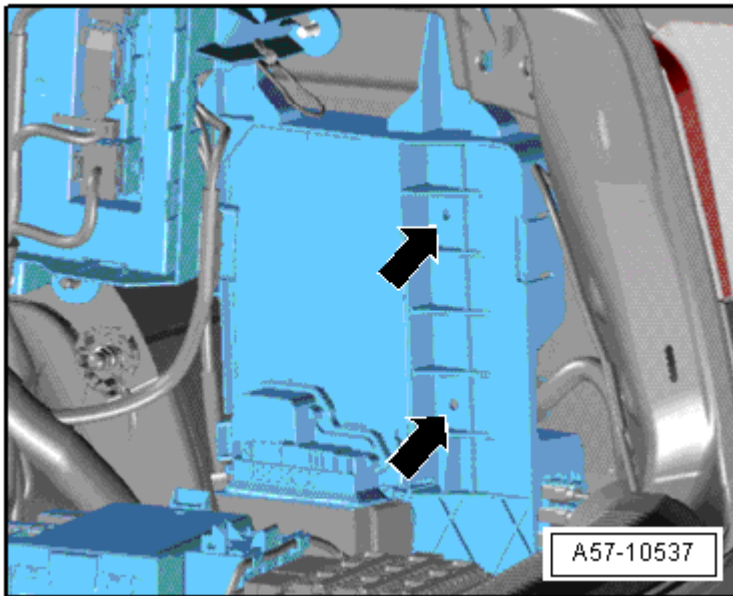


Fig. 22: Identifying Vehicle Positioning System Interface Control Module, Removal/Installation
Courtesy of AUDI OF AMERICA, LLC

-- Open the right luggage compartment side trim panel.

-- Disconnect the control module connectors.

-- Remove the bolts -arrows- and remove the control module behind the mount.

REMOVAL AND INSTALLATION

DOORS

DOOR

Removing

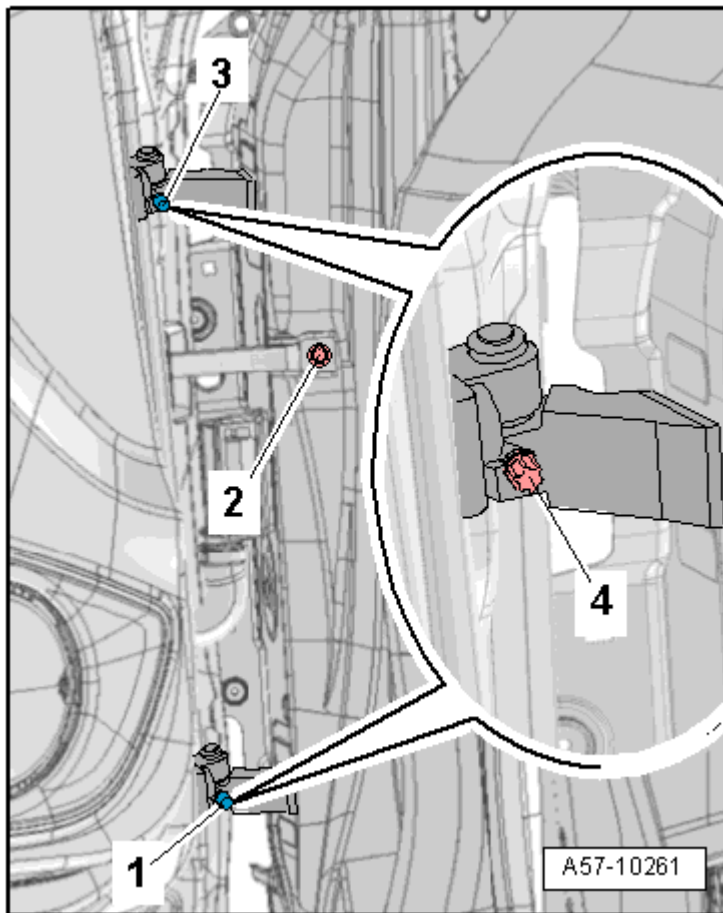


Fig. 23: Identifying Door, Removal

Courtesy of AUDI OF AMERICA, LLC

-- Disconnect the connectors on the A-pillar. Refer to **[For engine(s) CAEB, CALA, CCBA] Removal and Installation** .

-- Remove the door arrester bolt -2-.

-- Remove the cover caps -1- and -3- from the stud bolts.

-- Remove the stud bolts -4- on the upper and lower door hinge.

CAUTION:

- Protect the painted surfaces on the door or on the side panel from damage.

-- Carefully remove the door upward out of the door hinges.

Installation

NOTE: Do not make any adjustments after installing the door.

DOOR INNER PANEL COVER

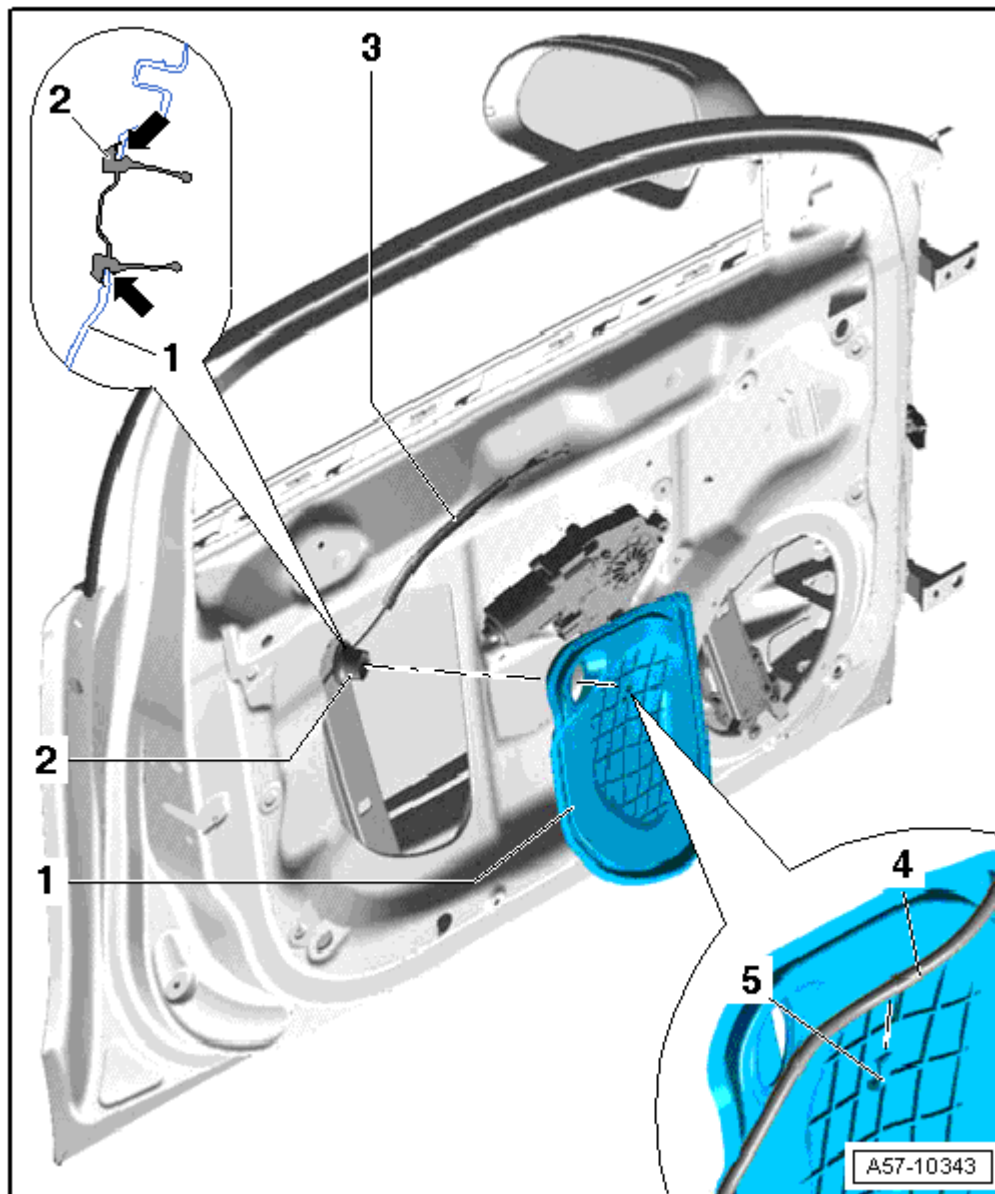


Fig. 24: Identifying Door Inner Panel Cover
Courtesy of AUDI OF AMERICA, LLC

1. Cover

- Remove the door trim. Refer to **Removal and Installation** .
- Remove the electrical wiring harness -4- from the bracket -5-.
- Remove the cable grommet -2- on the door inner panel cover.
- When removing the cover, always start at the top.

2. Grommet**3. Cable****4. Electrical Wiring**

- Disengage from the bracket -5-.

5. Bracket**DOOR LOCK****REMOVING**

CAUTION: There is a risk of malfunctions.

The door lock must be removed and installed together with the bracket to prevent overbending the cable when disengaging and engaging it.

The cable must be disconnected from/attached to the lever on the door lock outside of the door. Refer to INSTALLING.

- Removing lock cylinder. Refer to **LOCK CYLINDER**
- Remove the door trim. Refer to **Removal and Installation** .
- Remove the inner door panel cover. Refer to **DOOR INNER PANEL COVER**.
- Remove the door lock cover. Refer to **DOOR LOCK COVER**.

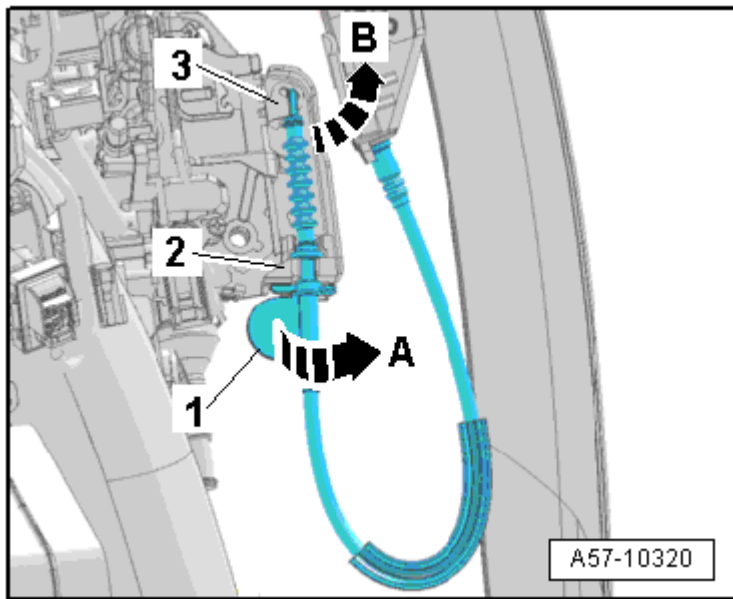


Fig. 25: Identifying Operating Cable, Removal
 Courtesy of AUDI OF AMERICA, LLC

- Turn the operating cable on the lever -1- 90° in the -direction of arrow A- and remove it from the bracket -2-.
- Rotate the actuating link on the door lock operating lever -3- in the -direction of arrow B-.
 - The actuating link must be aligned with the opening on the operating lever.
- Disengage the actuating link from the operating lever.
- Remove the bolts -arrows-.

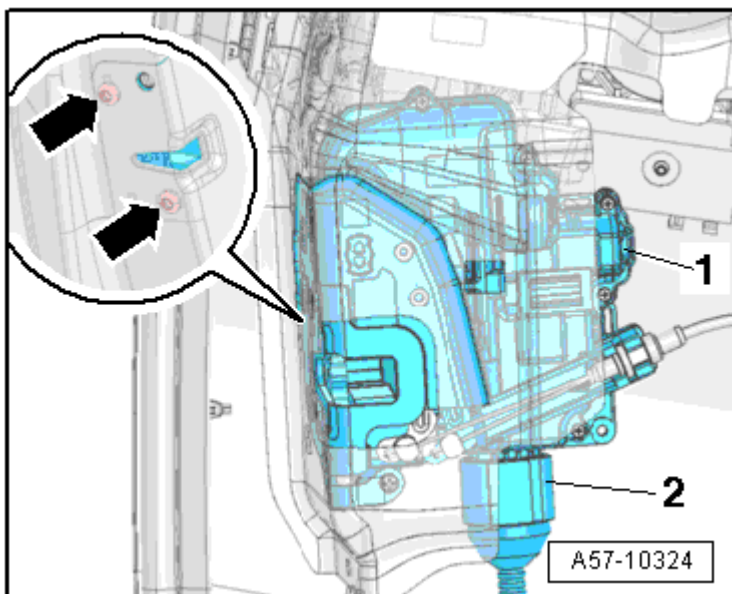
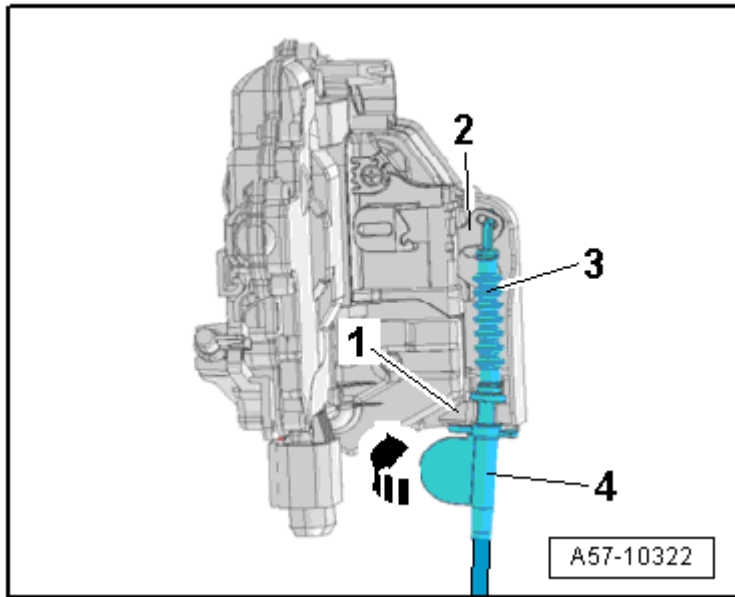


Fig. 26: Identifying Door Lock, Removal

Courtesy of AUDI OF AMERICA, LLC

-- Remove the door lock -1- and disconnect the electrical connector -2-.

INSTALLING**Fig. 27: Identifying Actuating Link, Installation**

Courtesy of AUDI OF AMERICA, LLC

- Tightening specifications, refer to **STRIKER PIN, DOOR LOCK AND DOOR OPENER ACTUATING LINK OVERVIEW**.

Installation is reverse of removal, but note the following:

- Engage the actuating link -3- in the door lock operating lever -2-.
- Insert the operating cable into the cable mounting bracket -1- and rotate the lever -4- 90° -arrow-.
- The lever must engage audibly with the locking tab on the cable mounting bracket.
- Install the door lock cover. Refer to **DOOR LOCK COVER**
- Install the inner door panel cover. Refer to **DOOR INNER PANEL COVER**.
- Install the door trim. Refer to **Removal and Installation** .
- Install the lock cylinder. Refer to **LOCK CYLINDER**.

DOOR LOCK ACTUATING LINK

REMOVING

CAUTION: There is a risk of malfunctions.

The door lock must be removed and installed together with the bracket to prevent overbending the cable when disengaging and engaging it.

The cable must be disconnected from/attached to the lever on the door lock outside of the door. Refer to DOOR LOCK ACTUATING LINK.

-- Remove the door trim. Refer to Removal and Installation .

-- Remove the inner door panel cover. Refer to DOOR INNER PANEL COVER.

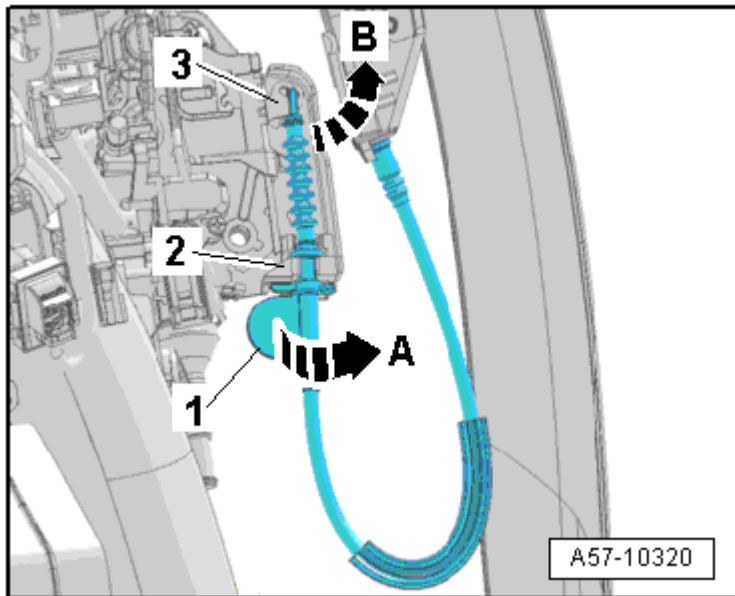


Fig. 28: Identifying Operating Cable, Removal
Courtesy of AUDI OF AMERICA, LLC

-- Turn the operating cable on the lever -1- 90° in the -direction of arrow A- and remove it from the bracket -2-.

-- Rotate the actuating link on the door lock operating lever -3- in the -direction of arrow B-.

- The actuating link must be aligned with the opening on the operating lever.

-- Disengage the actuating link -1- on the operating lever by pressing the bracket -3- out of the mount on the cable mounting bracket -2- -arrow-.

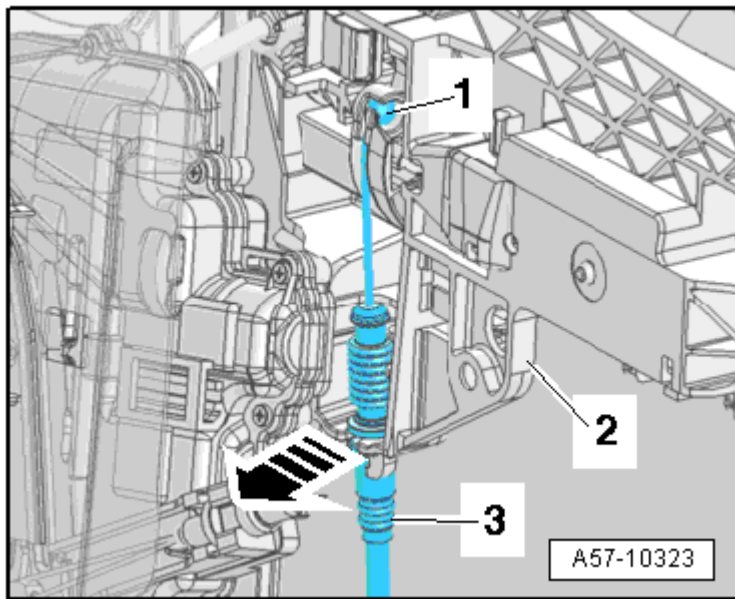


Fig. 29: Identifying Actuating Link, Removal
Courtesy of AUDI OF AMERICA, LLC

-- Remove the operating shaft.

INSTALLATION

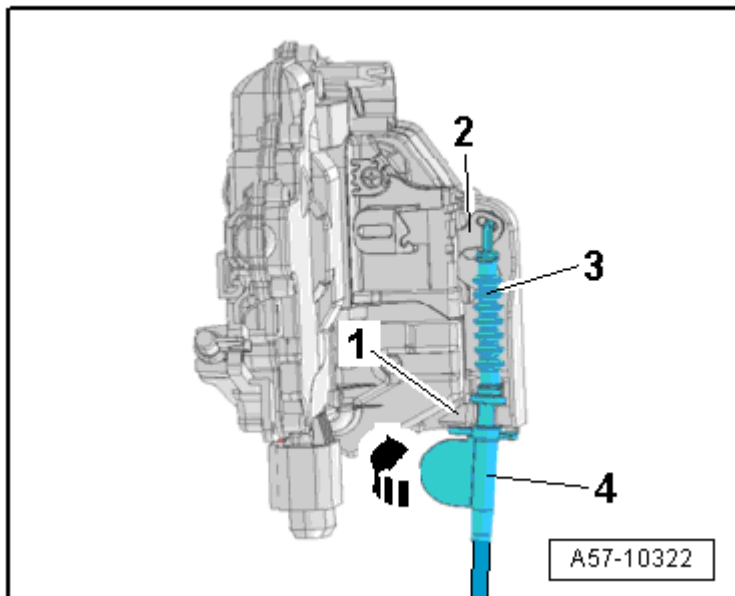


Fig. 30: Identifying Actuating Link, Installation
Courtesy of AUDI OF AMERICA, LLC

Installation is reverse of removal, but note the following:

-- Engage the actuating link -3- in the door lock operating lever -2-.

-- Insert the operating cable into the cable mounting bracket -1- and rotate the lever -4- 90° -arrow-.

- The lever must engage audibly with the locking tab on the cable mounting bracket.

-- Install the inner door panel cover. Refer to **DOOR INNER PANEL COVER**.

-- Install the door trim. Refer to **Removal and Installation** .

DOOR LOCK COVER

Removing

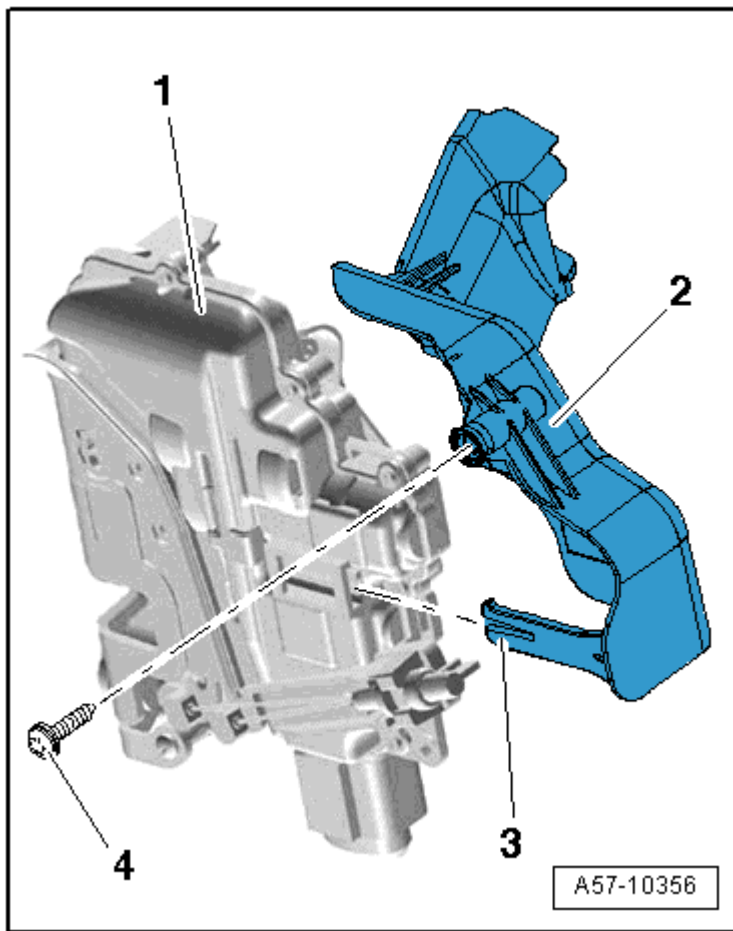


Fig. 31: Identifying Door Lock Cover
Courtesy of AUDI OF AMERICA, LLC

-- Remove lock cylinder. Refer to **LOCK CYLINDER**.

-- Remove the door trim. Refer to **Removal and Installation** .

-- Remove the inner door panel cover. Refer to **DOOR INNER PANEL COVER**.

- Remove bolts -4-.
- Squeeze the latch -3- and remove the cover -2- from the door lock -1-.

Installation

- When installing, the latch -3- must audibly click inside the door lock.
- Tighten the bolt -4- to the tightening specification. Refer to item 9 **DOOR HANDLE AND LOCK OVERVIEW**.

DOOR OPENER ACTUATING LINK

Removing

- Remove lock cylinder. Refer to **LOCK CYLINDER**.
- Remove the door trim. Refer to **Removal and Installation**.
- Remove the inner door panel cover. Refer to **DOOR INNER PANEL COVER**.
- Remove the door lock cover. Refer to **DOOR LOCK COVER**.
- Remove the bolts -arrows-.



Fig. 32: Identifying Door Lock, Removal
Courtesy of AUDI OF AMERICA, LLC

- Press the door lock -1- to the side and disconnect the electrical connector -2- if necessary.

-- Disengage the operating cable -3- at the door lock cable mounting bracket -2- -arrow A-.

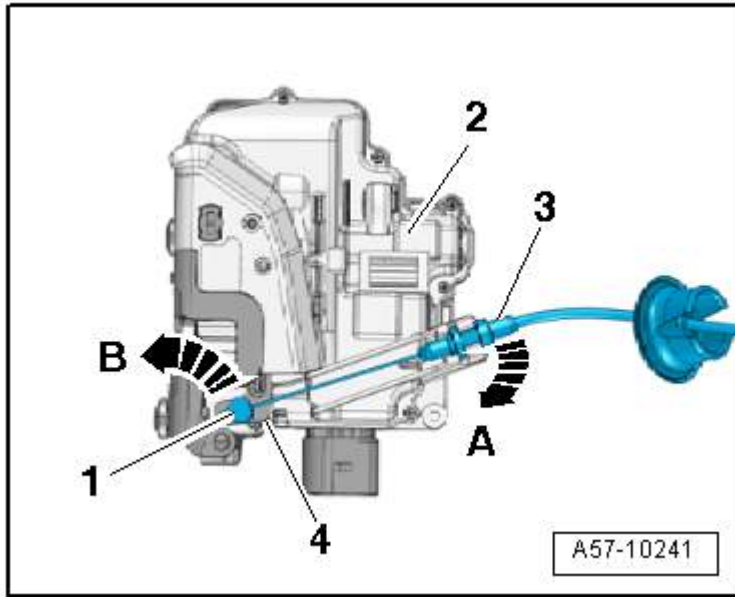


Fig. 33: Identifying Actuating Link, Removal

Courtesy of AUDI OF AMERICA, LLC

-- Turn the nipple -1- 90° in the -direction of arrow B- and remove it from the door opener release lever -4-.

Installation

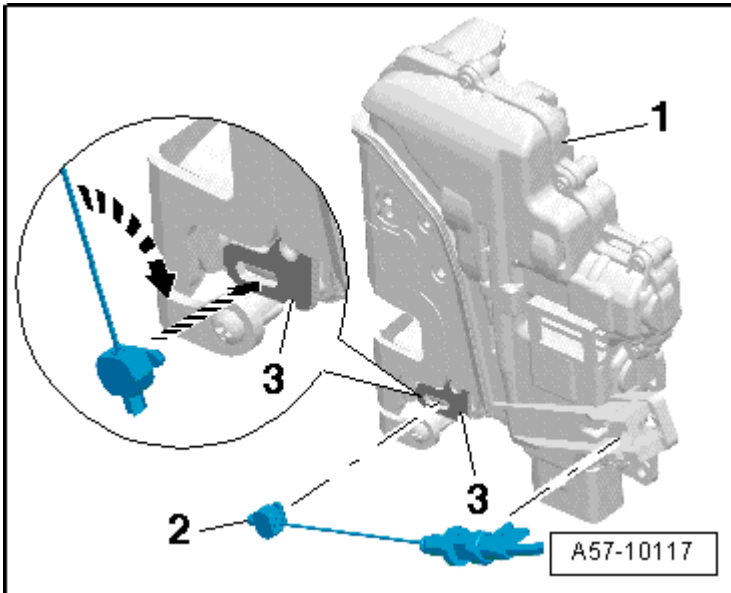


Fig. 34: Identifying Internal Mechanism Cable, Engaged Door Lock

Courtesy of AUDI OF AMERICA, LLC

- Tightening specifications, refer to **STRIKER PIN, DOOR LOCK AND DOOR OPENER**

ACTUATING LINK OVERVIEW.

Installation is reverse of removal, but note the following:

- Insert the nipple -2- in the door opener release lever -3- -bottom arrow-.
- Rotate the nipple 90° -top arrow- and press the actuating link into the cable mounting bracket on the door lock -1- until it engages audibly.
- Install the door lock cover. Refer to **DOOR LOCK COVER**
- Install the inner door panel cover. Refer to **DOOR INNER PANEL COVER.**
- Install the door trim. Refer to **Removal and Installation** .
- Install the lock cylinder. Refer to **LOCK CYLINDER.**

DOOR SEALS**Special tools and workshop equipment required**

- Roller 3356
- Adhesive Strip Remover VAS 6349

Inner Door Seal, Removing and Installing

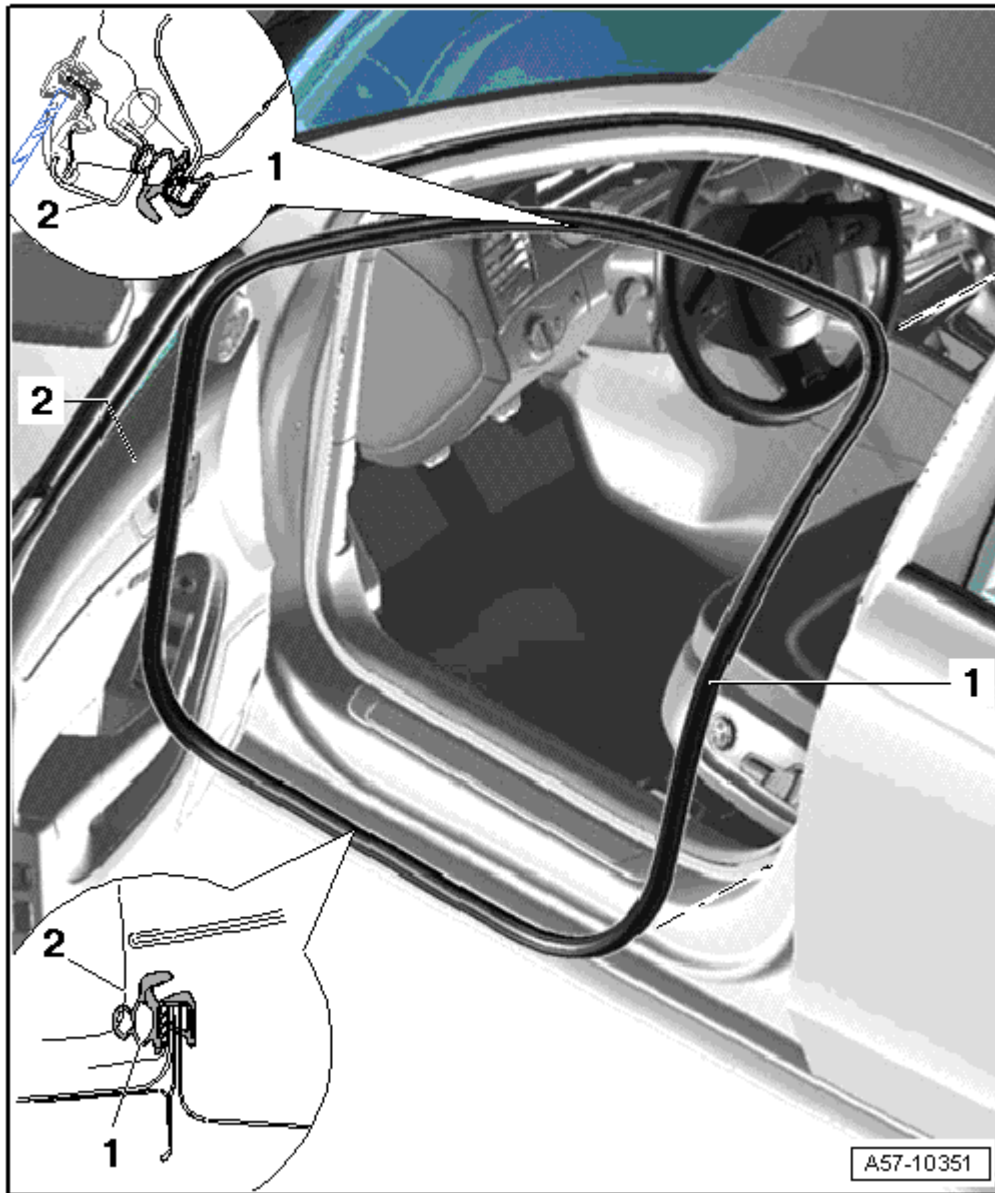


Fig. 35: Identifying Inner Door Seal, Removal/Installation

Courtesy of AUDI OF AMERICA, LLC

1. Inner Door seal

- Remove the window frame trim. Refer to **Removal and Installation** .
- Loosen door arrester on the A-pillar.
- Connected all around on body flange
- To remove, remove from body flange.
- When installing, align the seal with the center of the vulcanized joint on the lower hinge and press it by hand onto the body flange.

2. Door

REPLACING THE DOOR OUTER SEAL

NOTE: The door outer seal is completely bonded and can only be replaced.

Adhesion surfaces must be free of dust and grease.

Both the vehicle and the seal must be room temperature.

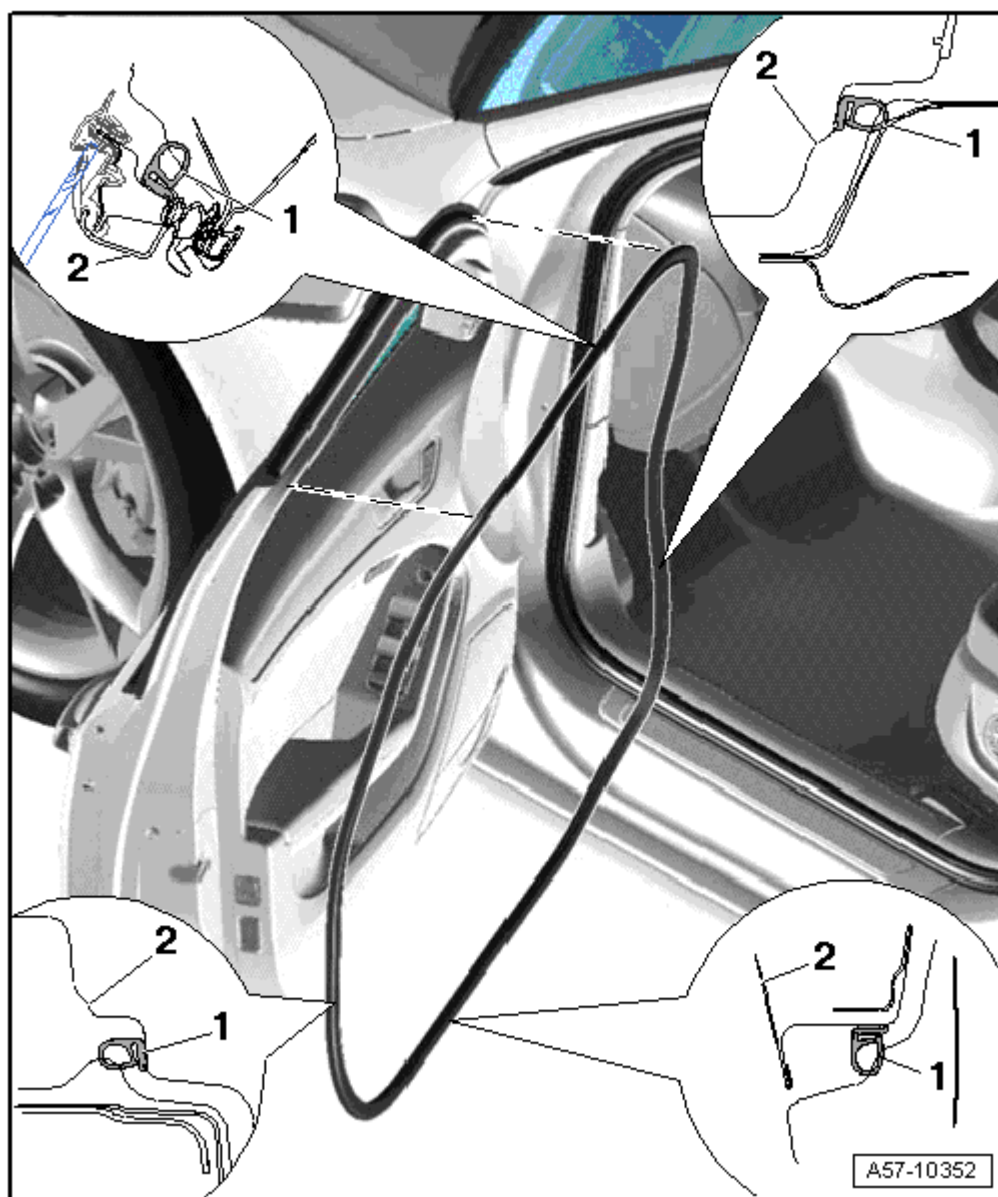


Fig. 36: Identifying Outer Door Seal

Courtesy of AUDI OF AMERICA, LLC

1. Outer Door Seal

NOTE: Before removing, mark the position on the door, for example, with adhesive tape.

-- Slightly lift the seal at the top of the window frame and cut it with commercially available scissors.

NOTE: Make sure there is no adhesive left on the door, first pull the seal lengthwise and then pull it off the door.

- **Removal:**

-- Bend the seal lengthwise and then pull it off little by little, refer to **DOOR SEALS**.

- **Installation**

-- Clean the adhesive surface, if necessary, remove any remaining adhesive with VAS 6349.

-- Loosen the door check on the body. Refer to **DOOR SEALS**.

-- Pull the door outer seal behind the door check.

-- Secure the door check again.

NOTE: Line up the marking on the door outer seal with the corner at the top of the B-pillar.

Secure the door outer seal to the top of the window frame on the left and on the right with tape, item 2 **DOOR SEALS**.

The water drain (3x) is in the correct position when it is found in the outer door seal on the underside of the door.

It is necessary to press the door outer seal starting in the center and the working outward left and right in steps.

-- Remove off the peel-off backing near the bottom of the door.

-- Press the door outer seal starting in the center and working outward left and right.

-- Continue to remove the peel-off backing little by little and press the door outer seal onto the door.

-- Press the door outer seal upward along the A-pillar and B-pillar.

-- Press the door outer seal along the window frame.

CAUTION: • Do not stretch or crush the seal when installing it.

- The seal will come off wherever it is stretched or crushed along the bottom or on the A- or B-pillar.
- The door outer seal can be bent or crushed only in the area around the top of the window frame because window frame cover will hold it in place.

-- Press the end of the door outer seal, item 2 **DOOR SEALS** with a 3356.

CAUTION: Do not close the door for at least 2 hours to prevent loosening or moving the door outer seal. The vehicle must be at room temperature.

2. Door

REMOVE THE DOOR CHECK

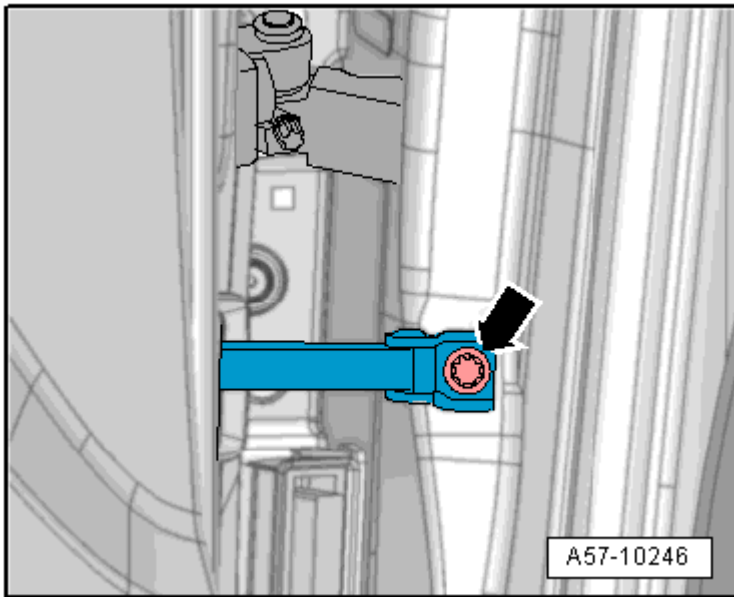


Fig. 37: Identifying Door Arrester Bolt
Courtesy of AUDI OF AMERICA, LLC

-- Remove the door arrester bolt -arrow-.

-- Pull the seal behind the door arrester and tighten the screw to the tightening specification, refer to item 6 **DOOR CHECK OVERVIEW**.

Mark the Position Of the Door Seal

-- Mark the position of the seal on the window frame with adhesive tape and...

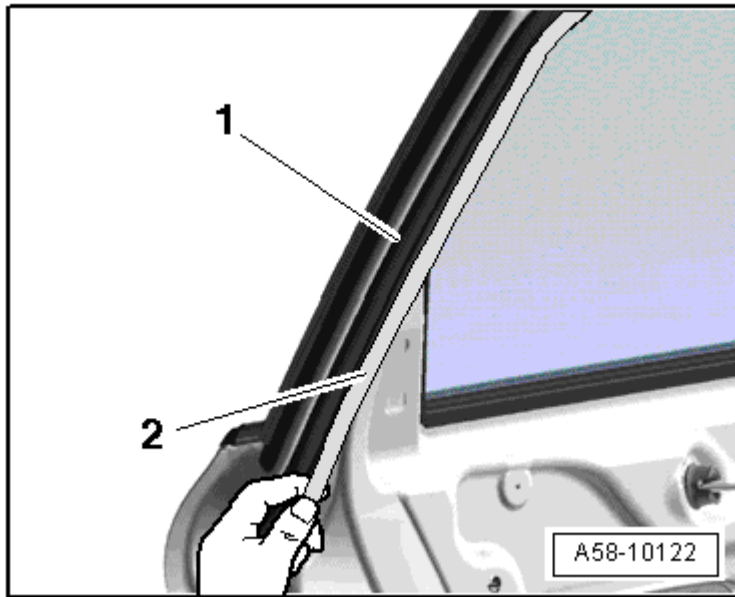


Fig. 38: Identifying Position Of The Door Seal
Courtesy of AUDI OF AMERICA, LLC

--... around the door lock

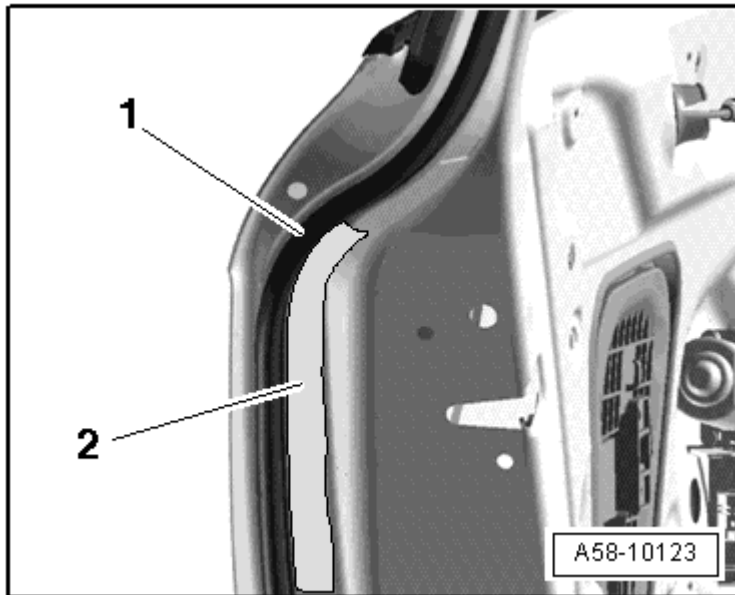


Fig. 39: Identifying Position Of The Door Lock
Courtesy of AUDI OF AMERICA, LLC

REMOVE SEAL

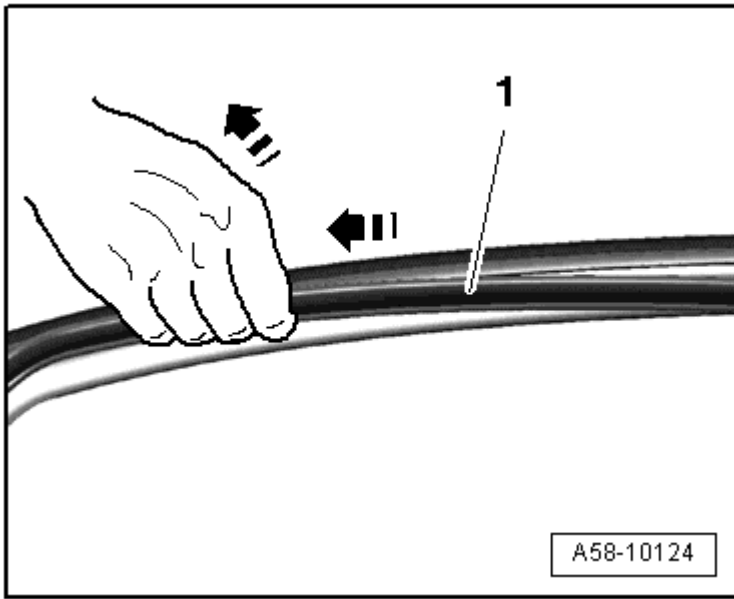


Fig. 40: Bend And Remove The Door Outer Seal Laterally As Illustrated -Arrow-.
Courtesy of AUDI OF AMERICA, LLC

NOTE: Pulling the seal laterally will loosen the adhesive and then it is possible to remove the door outer seal from the window frame without any left over adhesive on it.

- Bend the door seal -1- laterally as illustrated -arrow- and remove it.
- Proceed the same way all around and remove the door seal completely.
- Remove any left over adhesive on the window frame with VAS 6349.

Install Outer Door Seal for New Doors

NOTE: The front edge of the seal must pressed onto the radius of the window frame -arrow-.

To make it easier to install, mark these distances and then press the seal on.



Fig. 41: Marking Distances And Then Press The Seal On
Courtesy of AUDI OF AMERICA, LLC

1. Outer Door Seal

- After marking the radius run-out, continue to install in the previously described manner, refer to **REPLACING THE DOOR OUTER SEAL**.
- Starting from the door lock and moving upward up to the lower door hinge, the edge of the seal must be placed on the run-out of the inner radius as illustrated.
- The front edge of the seal must be placed on the run-out of the outer radius from the lower door hinge at the bottom of the door up to the door lock.

-- Press the seal secure with a 3356, refer to **INSTALLING THE DOOR OUTER SEAL**.

2. Door

ADHESION AREA FOR THE OUTER DOOR SEAL

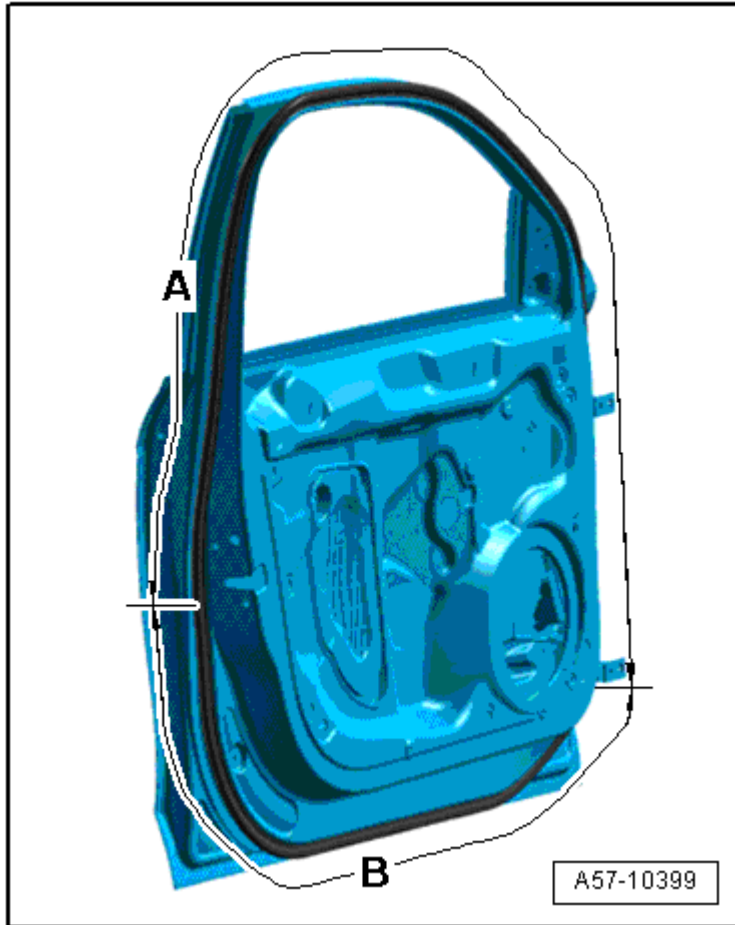


Fig. 42: Adhesion Area For The Outer Door Seal
Courtesy of AUDI OF AMERICA, LLC

- The rear edge of the seal must be placed on the run-out of the inner radius starting in area -A- from the door lock up to the lower door hinge.
- In area -B- the front edge of the seal must be placed on the run-out of the outer radius

INSTALLING THE DOOR OUTER SEAL

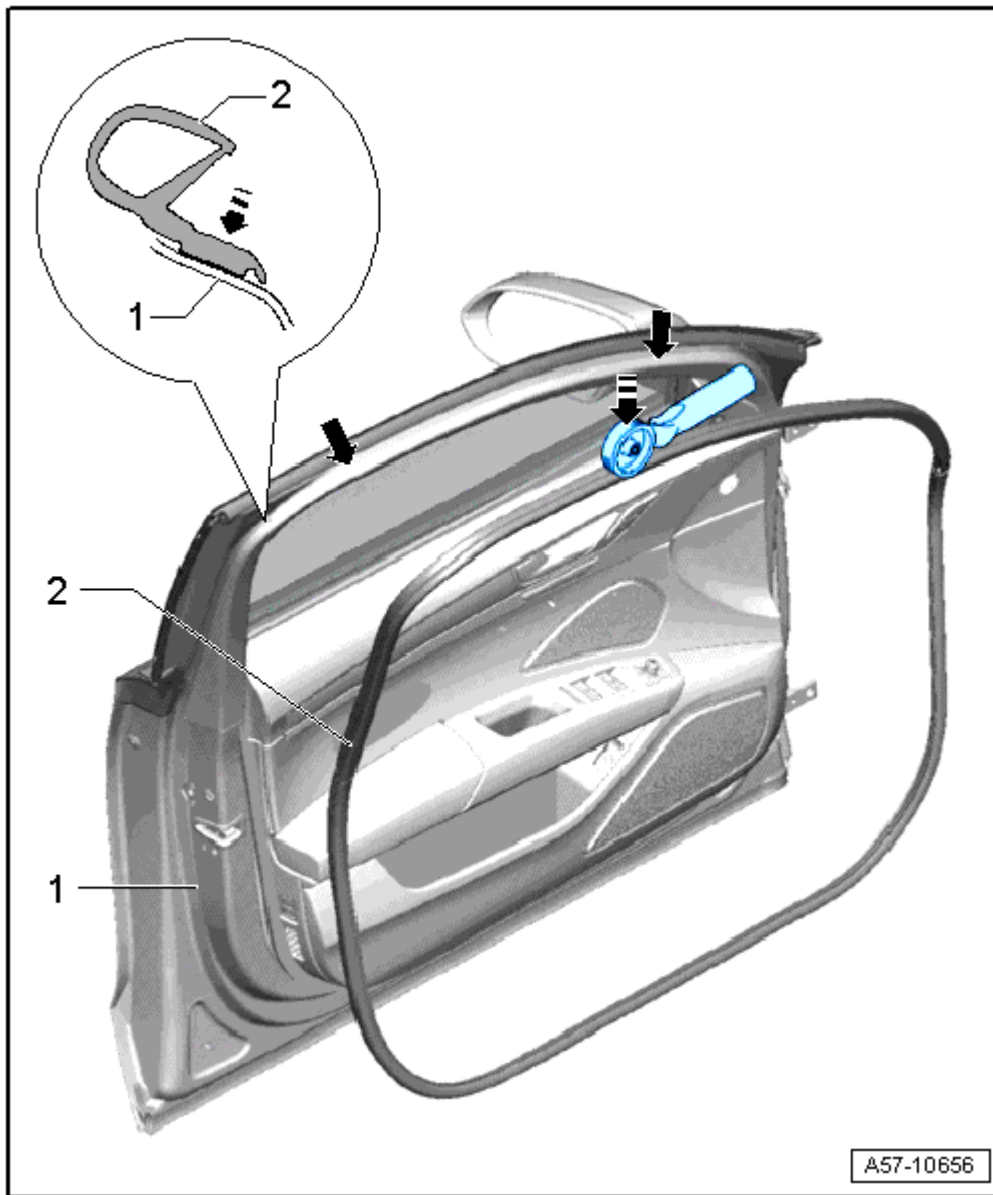


Fig. 43: Installing Door Outer Seal

Courtesy of AUDI OF AMERICA, LLC

1. Front Door
2. Outer Door Seal

-- Tape the door outer seal to the top of the window frame first -arrows-.

CAUTION: Only use 3356 to press the door outer seal onto the seal base.

-- Fold up the door outer seal as illustrated and then press it onto the seal base using force and 3356 all the way around.

FRONT OUTSIDE DOOR HANDLE TOUCH SENSORS -G605- / -G606-

CAUTION: To prevent damaging the sensor, follow the instructions as described.

-- Remove the door handle -2- and sensor -1-. Refer to OUTER DOOR HANDLE.

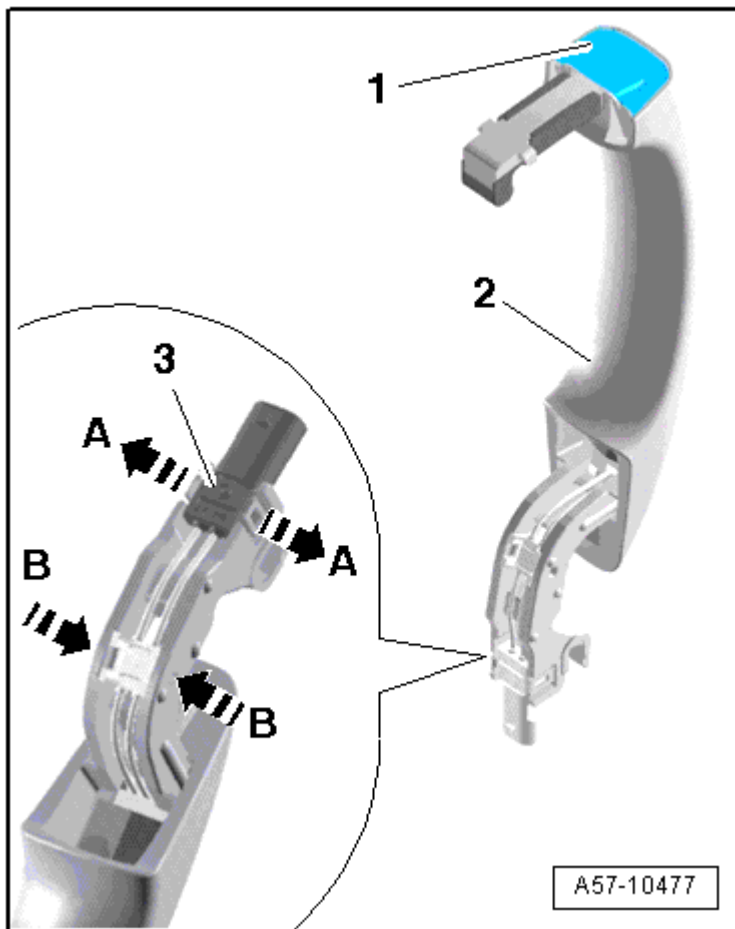


Fig. 44: Rear Outside Door Handle Touch Sensor -G417- / -G418-
Courtesy of AUDI OF AMERICA, LLC

-- Using a small screwdriver, carefully release the latches at the arrows - A and B- and push the connector -3- and the wiring guide to the side.

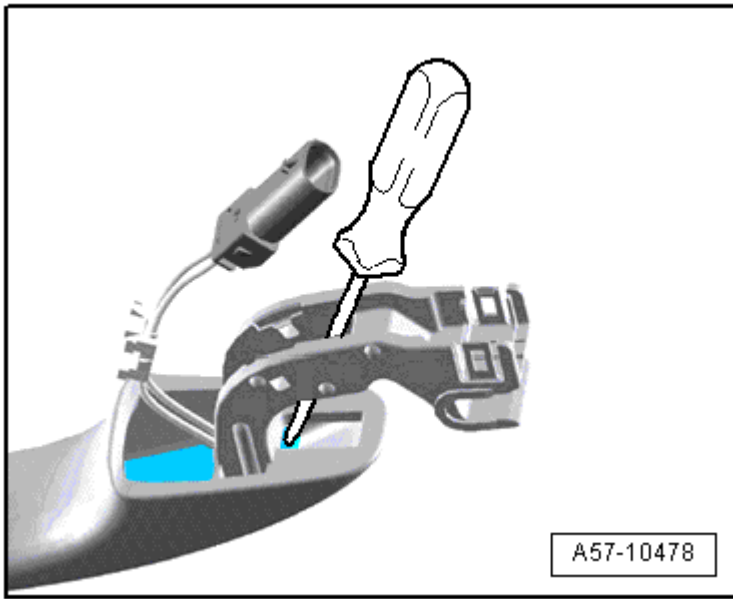


Fig. 45: Positioning a large screwdriver on the outside door handle as illustrated
Courtesy of AUDI OF AMERICA, LLC

- Insert a screwdriver in front of the sensor as illustrated.
- With light force on the screwdriver, pry out the sensor from the door handle.
- Remove the sensor from the door handle.

LOCK CYLINDER

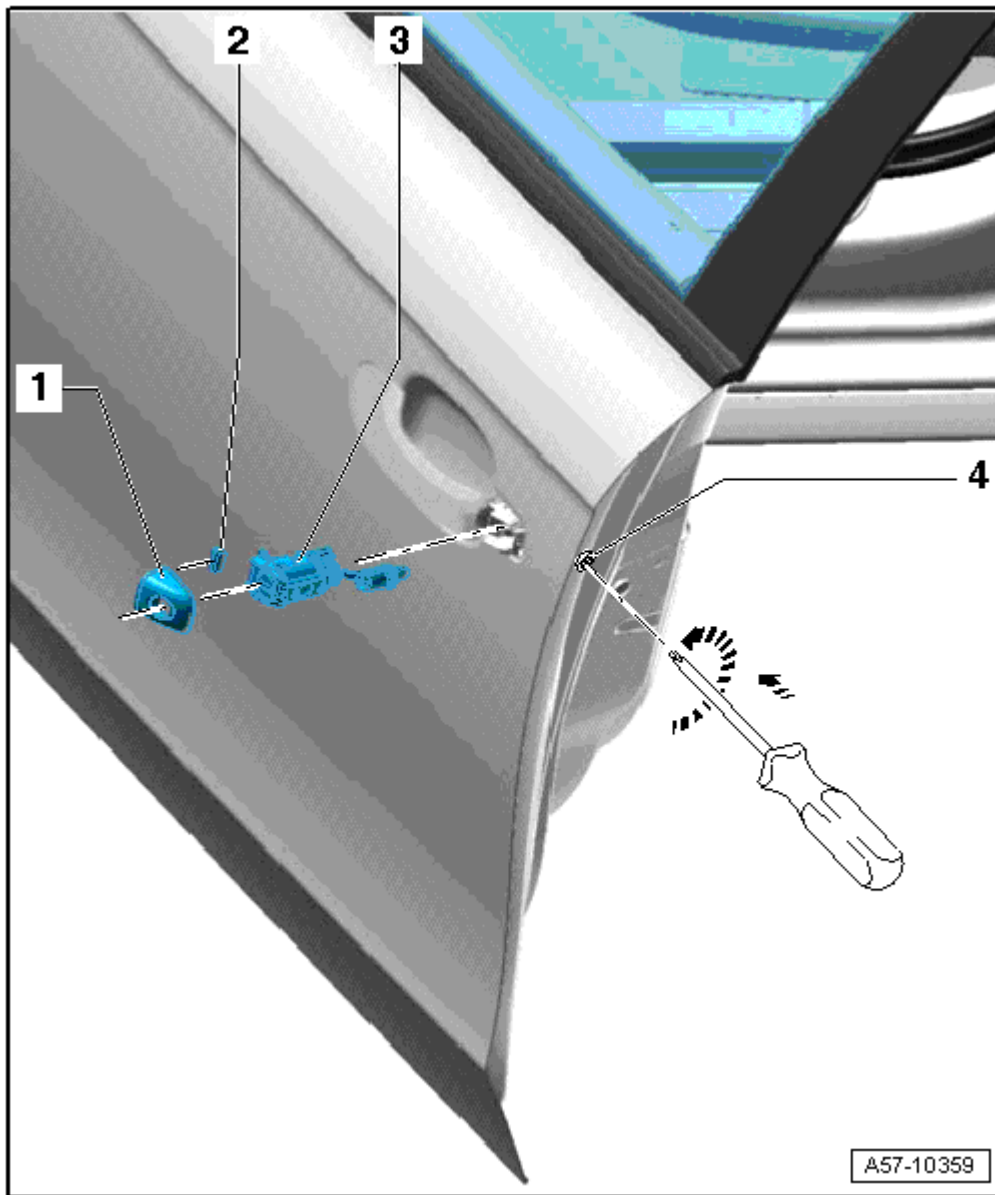


Fig. 46: Identifying Lock Cylinder

Courtesy of AUDI OF AMERICA, LLC

1. Cover
2. Magnet
 - For vehicles with the "keyless entry system".
3. Lock Cylinder
 - Unclip the cover on the front side of the door.
 - Remove the screw from the clip.
 - Using a screwdriver, press the retaining bracket and then remove the lock cylinder and cap.

REMOVING

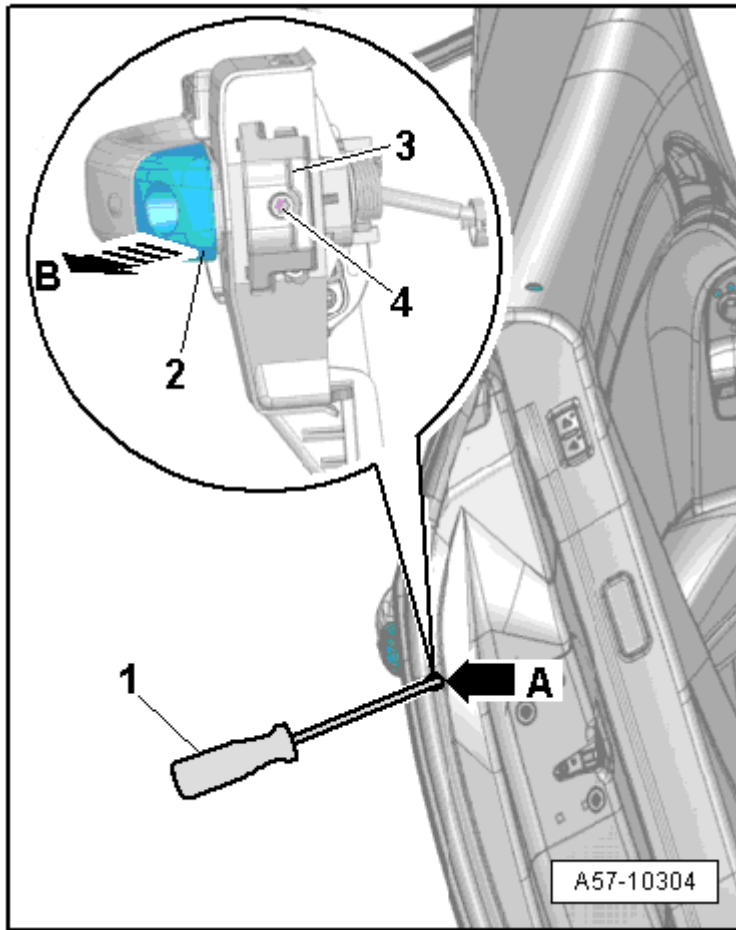


Fig. 47: Identifying Lock Cylinder
Courtesy of AUDI OF AMERICA, LLC

- Press the door outer seal to the side and remove the cover over the hole -arrow A-.
- Remove the locking bolt -4- as far as the stop using a screwdriver -1-.
- Press the lock cylinder retaining bracket -3- inward.
- Remove the lock cylinder -2- from the mounting bracket -arrow B-.

NOTE: If the lock cylinder cannot be pressed out, slide the vehicle key into it and remove it with the key turned slightly.

INSTALLATION

- Tightening specifications, refer to **DOOR HANDLE AND LOCK OVERVIEW**.

Installation is reverse of removal, but note the following:

-- Slide the lock cylinder into the mounting bracket and then check if the door lock closing and opening position is activated.

REMOVE THE LOCK CYLINDER CAP

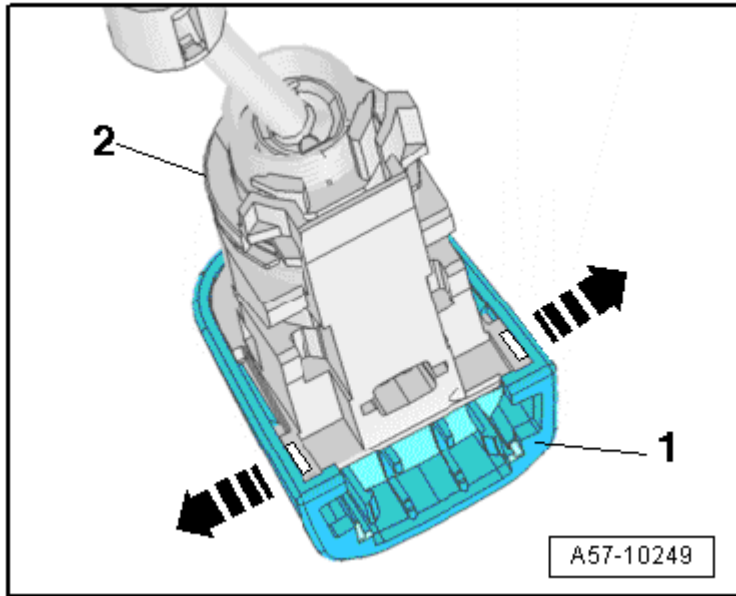


Fig. 48: Removing Lock Cylinder Cap
Courtesy of AUDI OF AMERICA, LLC

-- Remove lock cylinder. Refer to **LOCK CYLINDER**.

-- Open the clips -arrows- and remove the cap -1- from the lock cylinder -2-. Use a screwdriver if necessary.

Installation

Installation is reverse of removal, but note the following:

-- Press the lock cylinder cover cap on until it engages audibly.

MOUNTING BRACKET

Special tools and workshop equipment required

- Pry Lever 80-200

REMOVING

CAUTION: There is a risk of malfunctions.

The door lock must be removed and installed together with the bracket to prevent overbending the cable when disengaging and engaging it.

The cable must be disconnected from/attached to the lever on the door lock outside of the door. Refer to **MOUNTING BRACKET**.

- Remove the door trim. Refer to **Removal and Installation** .
- Remove the inner door panel cover. Refer to **DOOR INNER PANEL COVER**.

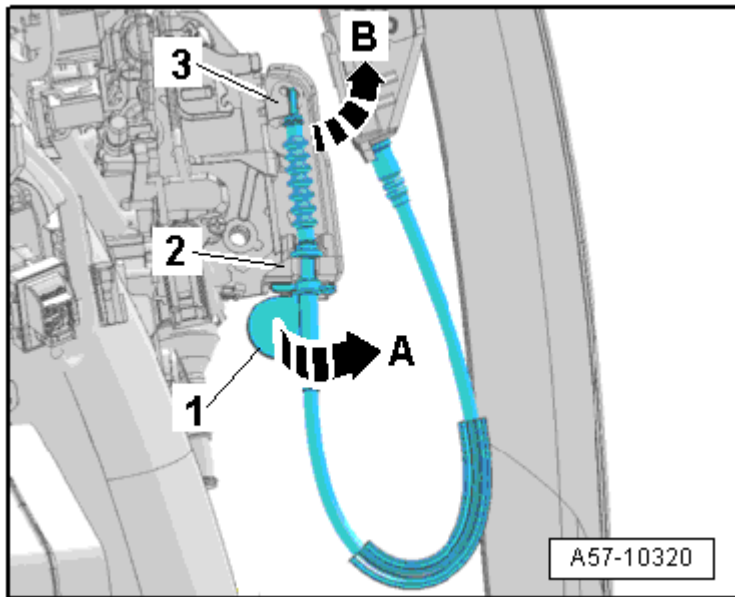


Fig. 49: Identifying Operating Cable, Removal
Courtesy of AUDI OF AMERICA, LLC

- Turn the operating cable on the lever -1- 90° in the -direction of arrow A- and remove it from the bracket -2-.
- Rotate the actuating link on the door lock operating lever -3- in the -direction of arrow B-.
 - The actuating link must be aligned with the opening on the operating lever.
- Disengage the actuating link from the operating lever.
- Remove the outside door handle. Refer to **OUTER DOOR HANDLE**.
- Remove the door lock cover. Refer to **DOOR LOCK COVER**
- Disengage the electrical wire on the mounting bracket -arrow- if applicable.

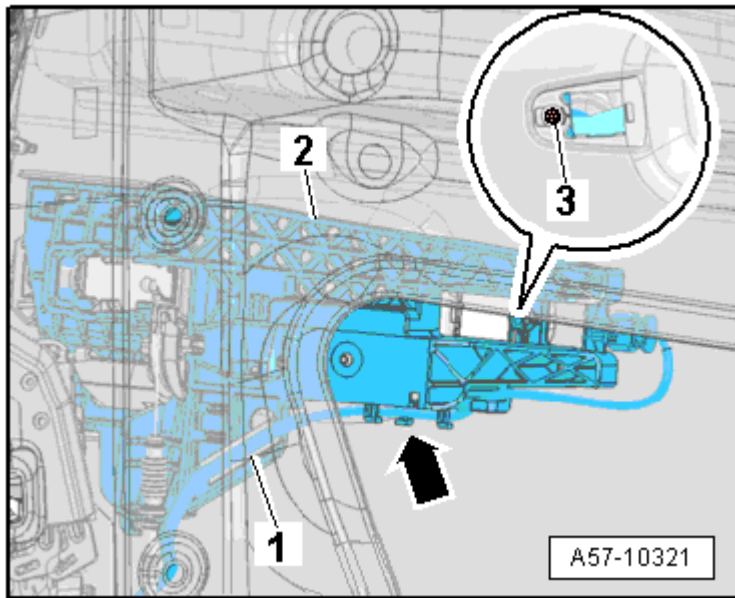


Fig. 50: Identifying Electrical Wire

Courtesy of AUDI OF AMERICA, LLC

-- Free up the electrical wire spiral clip -1- using the 80-200.

NOTE: Use a soapy solution if necessary make removal easier.

-- Remove the bolt -3- and the mounting bracket -2-.

INSTALLATION

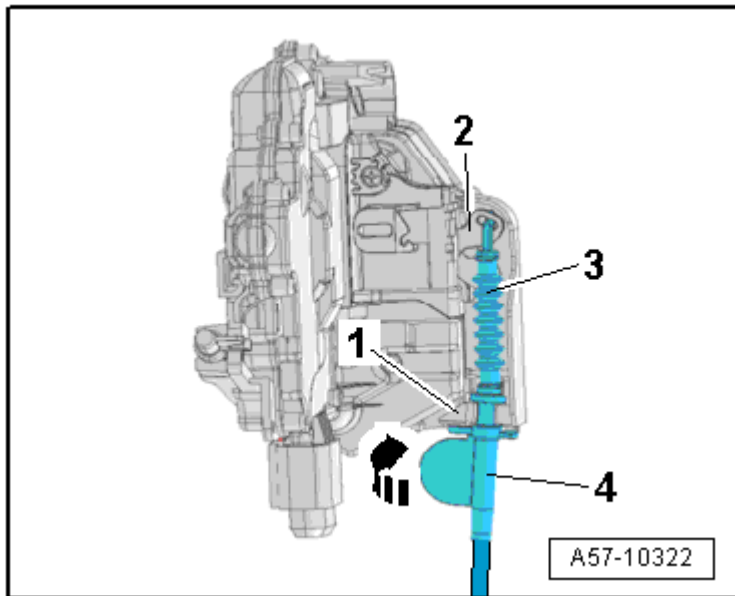


Fig. 51: Identifying Actuating Link, Installation

Courtesy of AUDI OF AMERICA, LLC

Installation is reverse of removal, but note the following:

- Engage the actuating link -3- in the door lock operating lever -2-.
- Insert the operating cable into the cable mounting bracket -1- and rotate the lever -4- 90° -arrow-.
 - The lever must engage audibly with the locking tab on the cable mounting bracket.
- Install the door lock cover. Refer to **DOOR LOCK COVER**.
- Install the inner door panel cover. Refer to **DOOR INNER PANEL COVER**.
- Install the door trim. Refer to **Removal and Installation** .
- Install the outer door handle. Refer to **OUTER DOOR HANDLE**.

OUTER DOOR HANDLE**Removing**

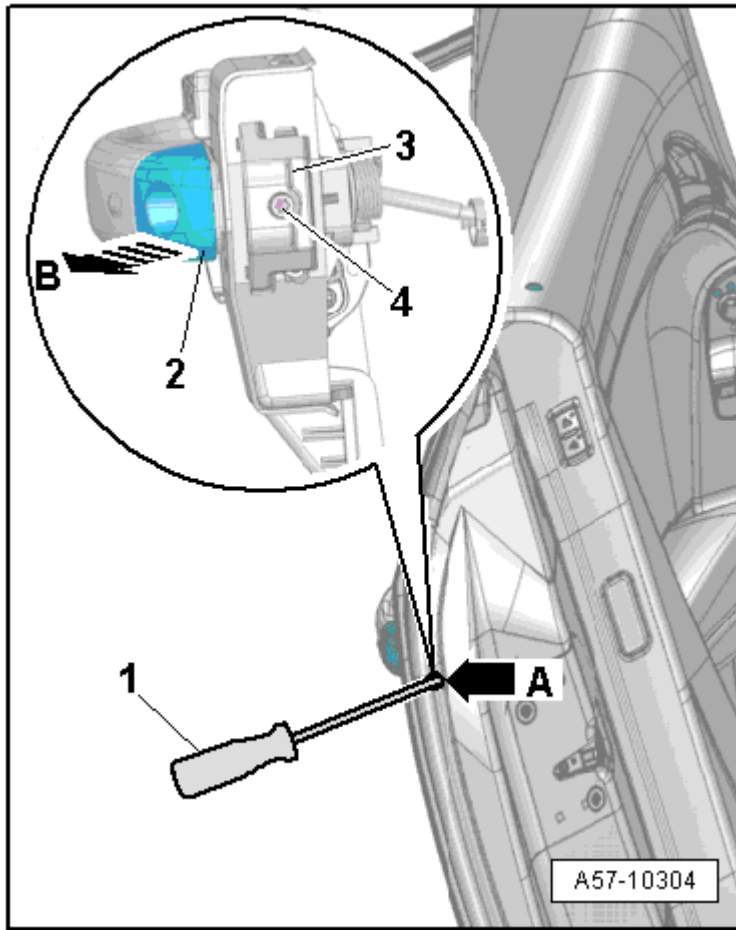


Fig. 52: Identifying Outer Door Handle
Courtesy of AUDI OF AMERICA, LLC

- Press the door outer seal to the side and remove the cover over the hole -arrow A-.
- Remove the locking bolt -4- as far as the stop using a screwdriver -1-.
- Pull the outer door handle outward and hold it in the "opened" position.
- Press the lock cylinder retaining bracket -3- inward. The outer door handle is secured in the "opened" position.
- Remove the lock cylinder -2- from the mounting bracket -arrow B-.

NOTE: If the lock cylinder cannot be pressed out, slide the vehicle key into it and remove it with the key turned slightly.

- Pull the outer door handle -1- in the -direction of the arrow-. This disengages the handle from the operating lever in the mounting bracket.

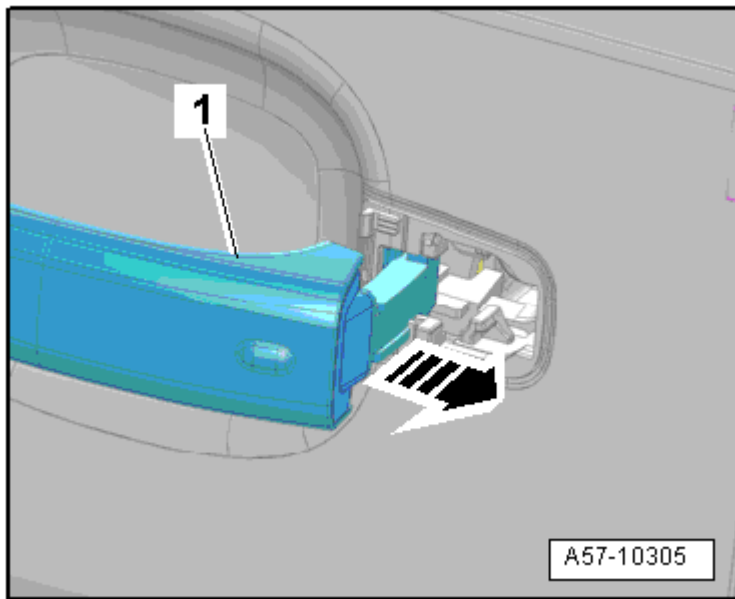


Fig. 53: Removing Outer Door Handle
Courtesy of AUDI OF AMERICA, LLC

-- Tilt the outer door handle -1- outward -arrow- and remove it from the mount on the mounting bracket.

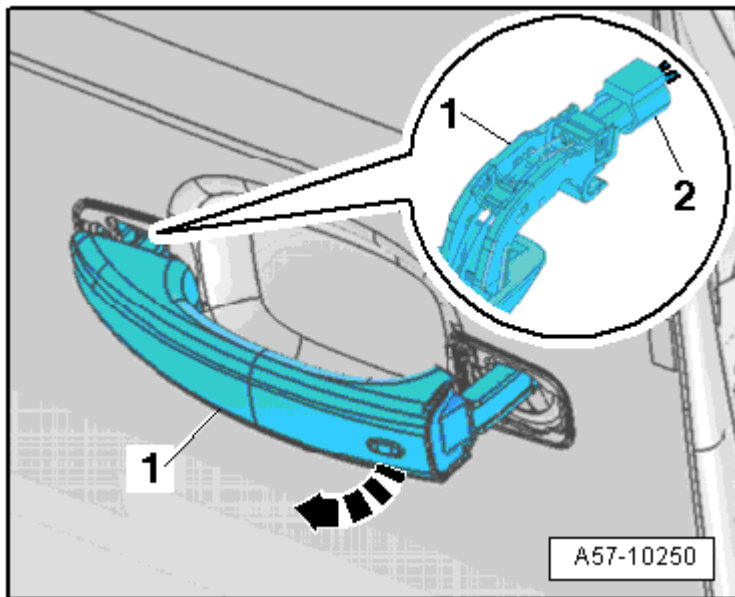


Fig. 54: Removing Outer Door Handle
Courtesy of AUDI OF AMERICA, LLC

-- In vehicles with the "keyless entry system", disconnect the electrical connector -2- on the outer door handle.

Installation

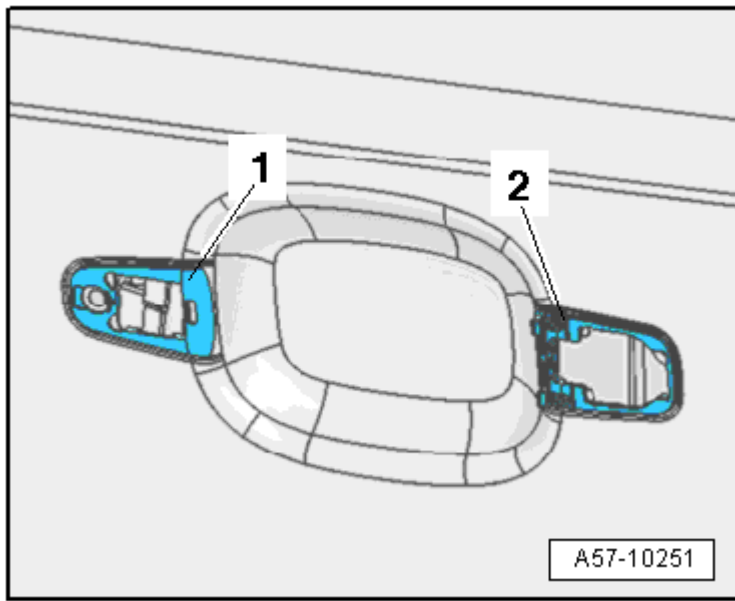


Fig. 55: Identifying Outer Door Handle Washer
Courtesy of AUDI OF AMERICA, LLC

Installation is reverse of removal, but note the following:

- Replace the outer door handle washers -1- and -2- if damaged or brittle.
- Insert the outer door handle -1- -arrow A-. It must engage in the mount -2- on the mounting bracket -3-.

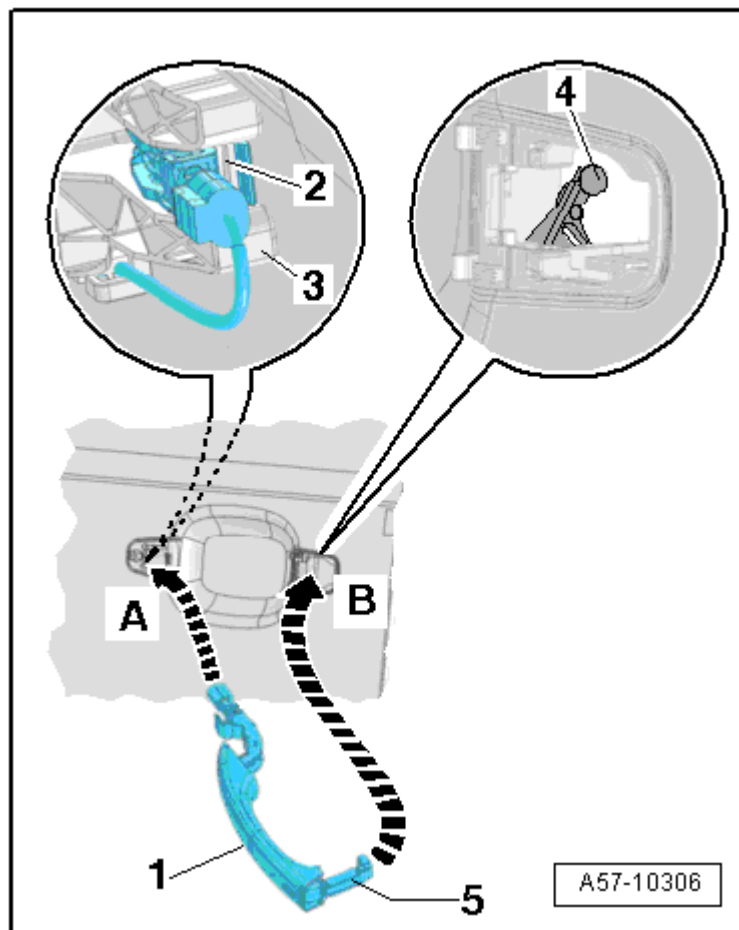


Fig. 56: Installing Door Handle

Courtesy of AUDI OF AMERICA, LLC

-- Tilt the outer door handle -1- in the -direction of arrow B- and slide the >>coupling plate<< -5- into the mounting bracket in front of the operating lever -4-.

-- Press lock cylinder retaining bracket onto the outer door handle.

-- Install the lock cylinder. Refer to **LOCK CYLINDER**.

OUTER DOOR HANDLE TRIM

NOTE: In vehicles without "keyless entry", trim installed instead of the outer door handle touch sensor.

Removing

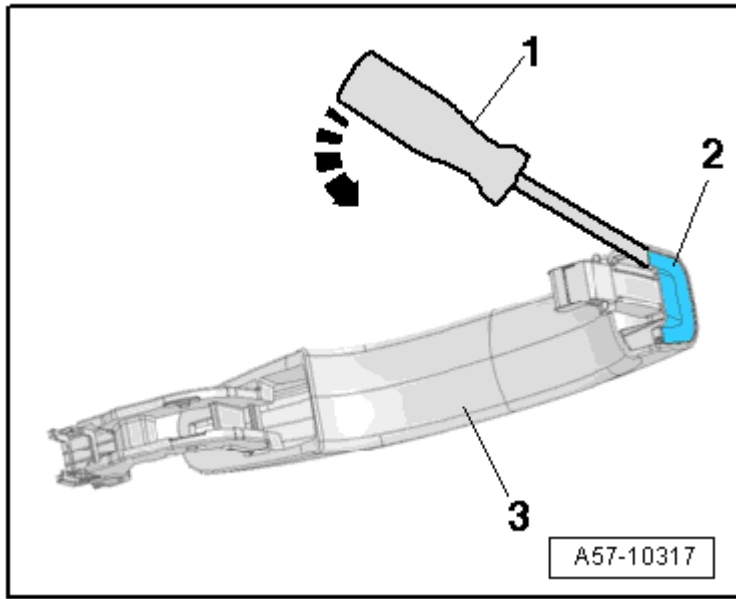


Fig. 57: Removing Outer Door Handle Trim
 Courtesy of AUDI OF AMERICA, LLC

- Remove the outside door handle. Refer to **OUTER DOOR HANDLE**.
- Pry the outer door handle trim -2- out using a small screwdriver -1- at the location shown in the illustration - arrow-.
- Remove the outer door handle trim from the handle -3-.

Installation

To install, perform the steps used in removal in reverse order.

- Slide the outer door handle trim in until it engages audibly.
- Install the outer door handle. Refer to **OUTER DOOR HANDLE**.
- Install the lock cylinder. Refer to **LOCK CYLINDER**.

OUTER WINDOW SHAFT STRIP

Special tools and workshop equipment required

- 3x Removal Tool T40219

NOTE: After removing with the door glass with window regulator still installed, the window shaft strip must be replaced.

It is possible to remove without destroying only when the door glass and

window regular are removed.

- Open the window.
- Door trim removed. Refer to **Removal and Installation** .
- Remove the exterior mirror. Refer to **EXTERIOR REARVIEW MIRROR** .
- Before the window shaft strip -1- can be removed, first disconnect it from the door hooks -arrows- -2-.

Removing

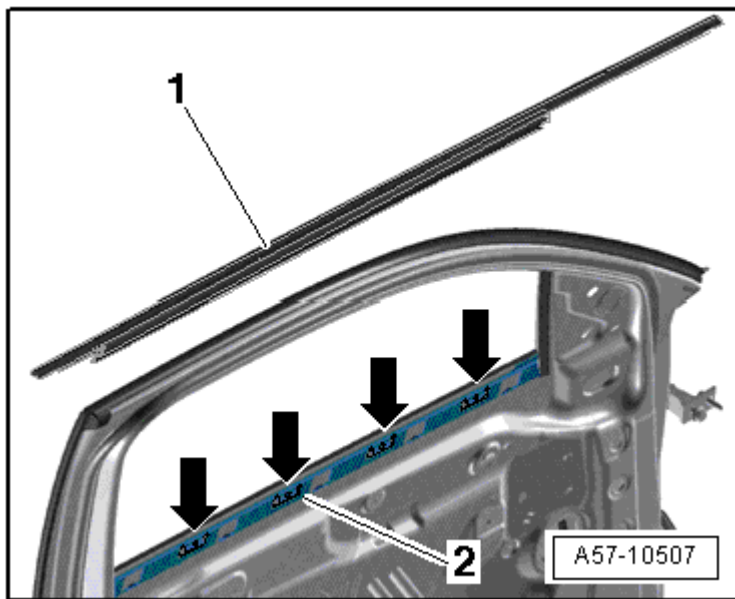


Fig. 58: Removing Window Shaft Strip
Courtesy of AUDI OF AMERICA, LLC

- Insert the first T40219 on the mirror triangle between the outer window shaft strip and door window.

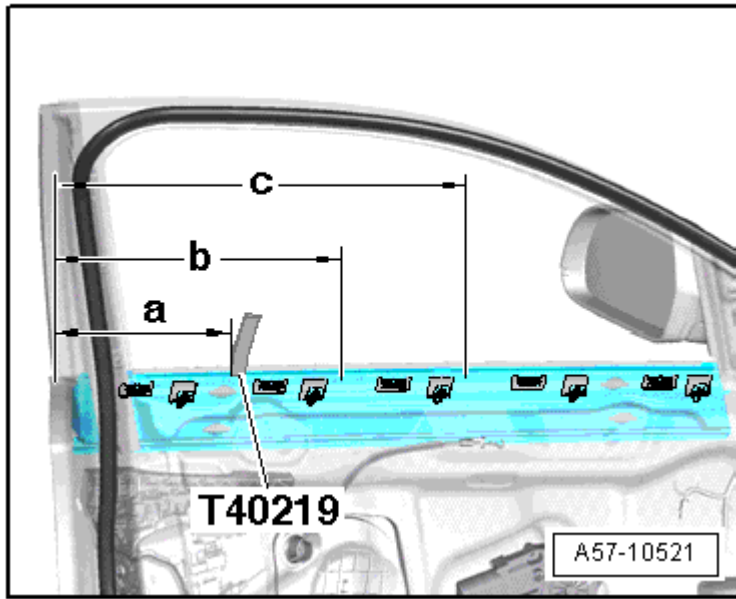


Fig. 59: Disconnecting Door Hooks

Courtesy of AUDI OF AMERICA, LLC

-- Move the T40219 toward the rear to -dimension c-.

-- Pull the T40219 upward and slide it into place into the window shaft strip.

NOTE: The line on the T40219 must be flush with the upper edge of the window shaft strip.

-- Insert the second T40219 between the door window and the window shaft strip near the B-pillar.

-- Move the second T40219 to -dimension b- and fit it in from underneath.

-- Insert the third T40219 near the B-pillar move it to -dimension a-.

1. Measure all of the dimensions of the window shaft strip beginning from the B-pillar.

- Dimension -a- = 185 to 230 mm.
- Dimension -b- = 350 to 385 mm.
- Dimension -c- = 520 ••• 555 mm.

-- Gently push the T40219 outward and release the window shaft strip.

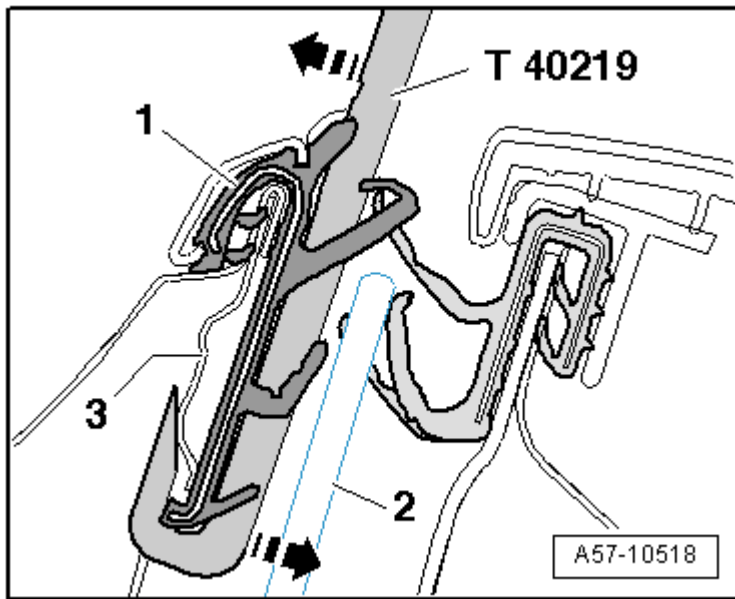


Fig. 60: Removing Window Shaft Strip With Special Tool T40219
 Courtesy of AUDI OF AMERICA, LLC

-- Release the window shaft strip -2- completely in steps and then pull it upward off the door flange -1-.

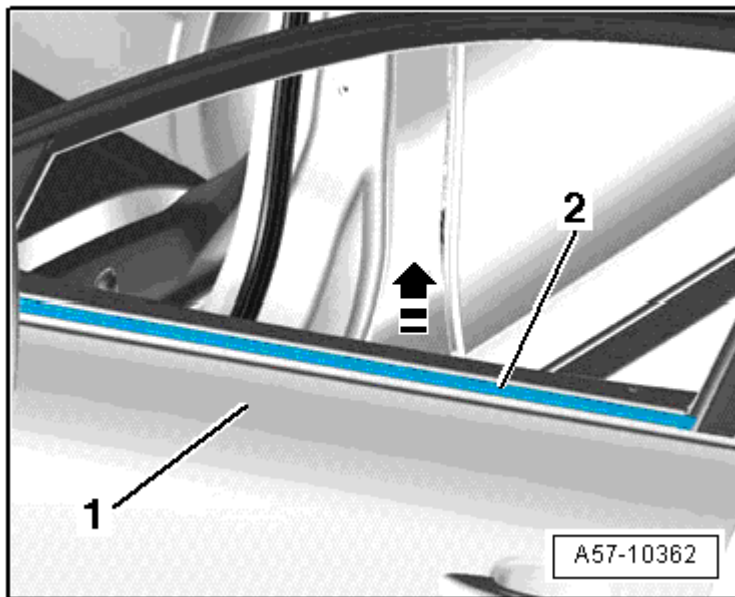


Fig. 61: Identifying Out Window Shaft Strip
 Courtesy of AUDI OF AMERICA, LLC

Installation

WARNING: Do not pry open the hooks on the door outer panel, if necessary they must be bent back into their original shape.

-- Beginning at the A-pillar, press the window shaft strip completely into the retaining hooks in the door.

-- Install the exterior mirror. Refer to **EXTERIOR REARVIEW MIRROR** .

STRIKER PIN

Removing

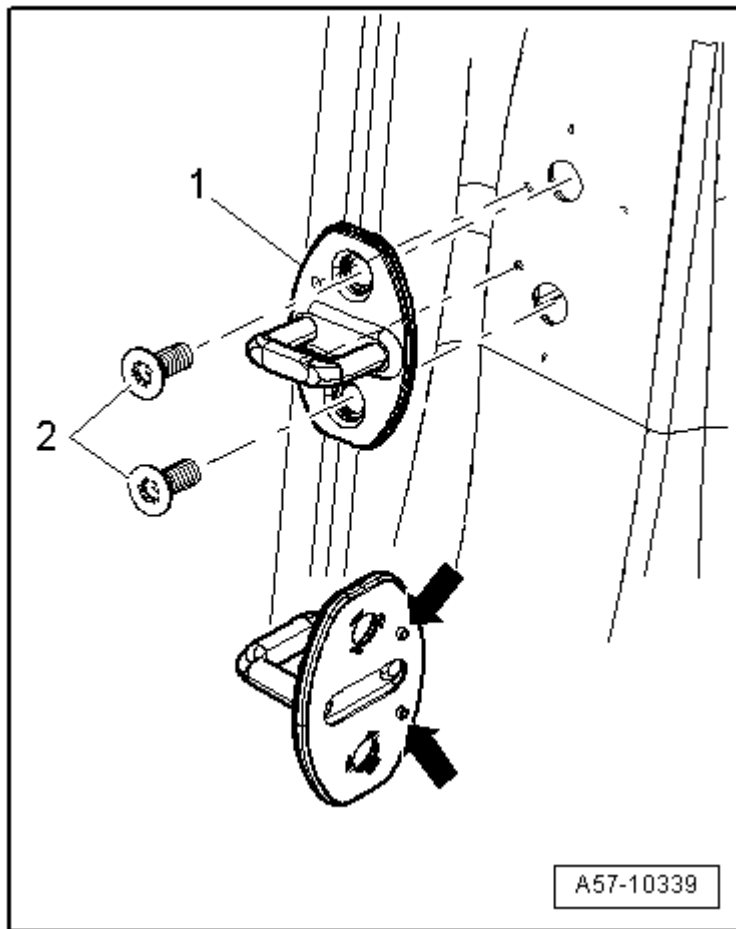


Fig. 62: Identifying Adjustment With Striker Pin
Courtesy of AUDI OF AMERICA, LLC

-- Remove the bolts -2- and the striker pin -1-.

Installation

- Tightening specifications, refer to **STRIKER PIN, DOOR LOCK AND DOOR OPENER ACTUATING LINK OVERVIEW**.

Installation is performed in the reverse order of removal:

NOTE: The striker pin backing must be position with the pins -arrows- exactly in the

hole.

The striker pins must be sheared off cleanly after sliding the striker pin.

If a new part is being installed, then remove the sheared off pins from the striker pin.

-- Adjust the striker pin. Refer to **Fig. 6**.

WINDOW GUIDE

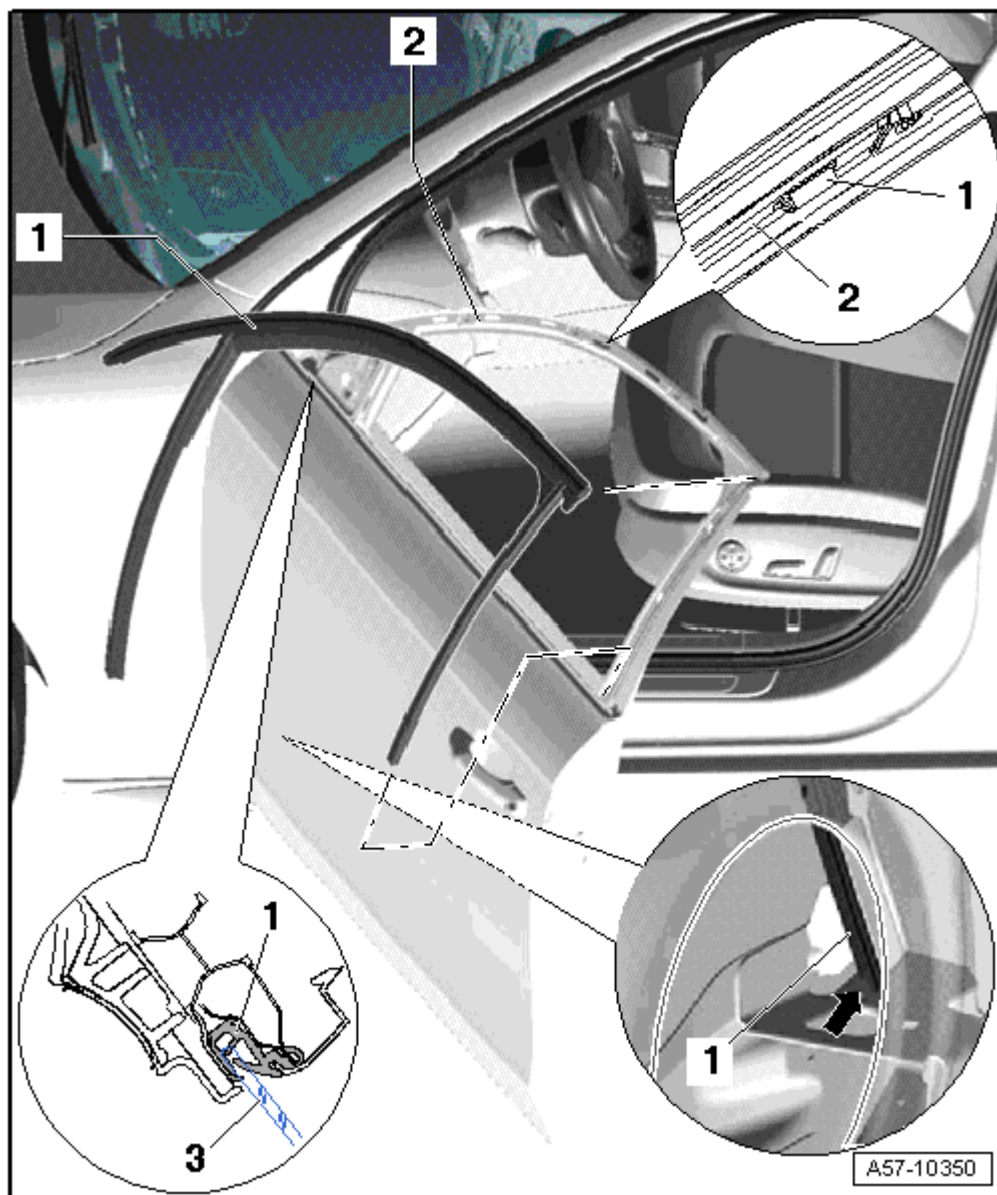


Fig. 63: Identifying Window Guide Seal
Courtesy of AUDI OF AMERICA, LLC

1. Window Guide

- Remove the door trim panel and the window frame trim. Refer to **Removal and Installation** .
- The exterior mirror is moved. Refer to **EXTERIOR REARVIEW MIRROR** .

Remove B-Pillar trim on the front door, refer to **FRONT B-PILLAR TRIM** .

- Door window removed.

-- Beginning at the upper window guide, as well as on the A-pillar and B-pillar, remove it from the door.

-- Remove the window guide from the door.

- To make it easier to install, spray the window guide with soap solution.
- Push the window guide into the guide shafts as illustrated.
- Press the window guide with the latching tabs into the door at the top.

2. Door**3. Door Window****WINDOW REGULATOR**

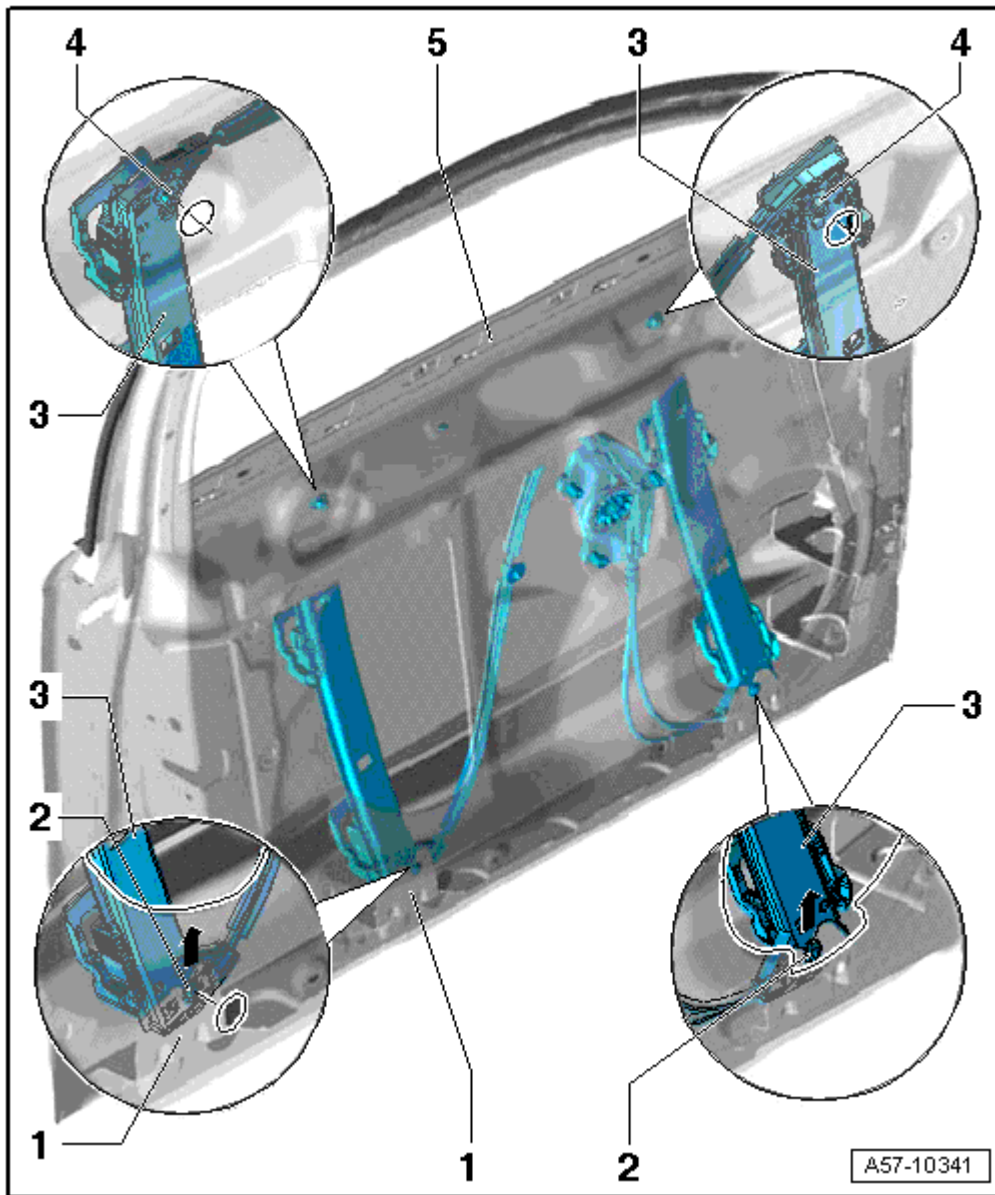


Fig. 64: Identifying Window Regulator
 Courtesy of AUDI OF AMERICA, LLC

1. Lower Window Regulator Mount
2. Bolt
 - Loosen only for removing the window.
3. Window Regulator
 - Removing
 - Door trim removed. Refer to **Removal and Installation**
 - Window regulator motor removed. Refer to **WINDOW REGULATOR MOTOR**.
 - Door glass removed. Refer to **FRONT DOOR WINDOW OVERVIEW**.
 - The door inner panel cover is removed. Refer to **DOOR INNER PANEL COVER**.

- Release the window regulator motor threaded pins and push it through the inside panel.
- Only loosen the upper nut.
- Remove the lower nut and lift the window regulator upward and out of the door.

4. Nut

- Remove for removing the window regulator.

5. Door

- Remove the door trim. Refer to **Removal and Installation** .

Lower Window Regulator Mount

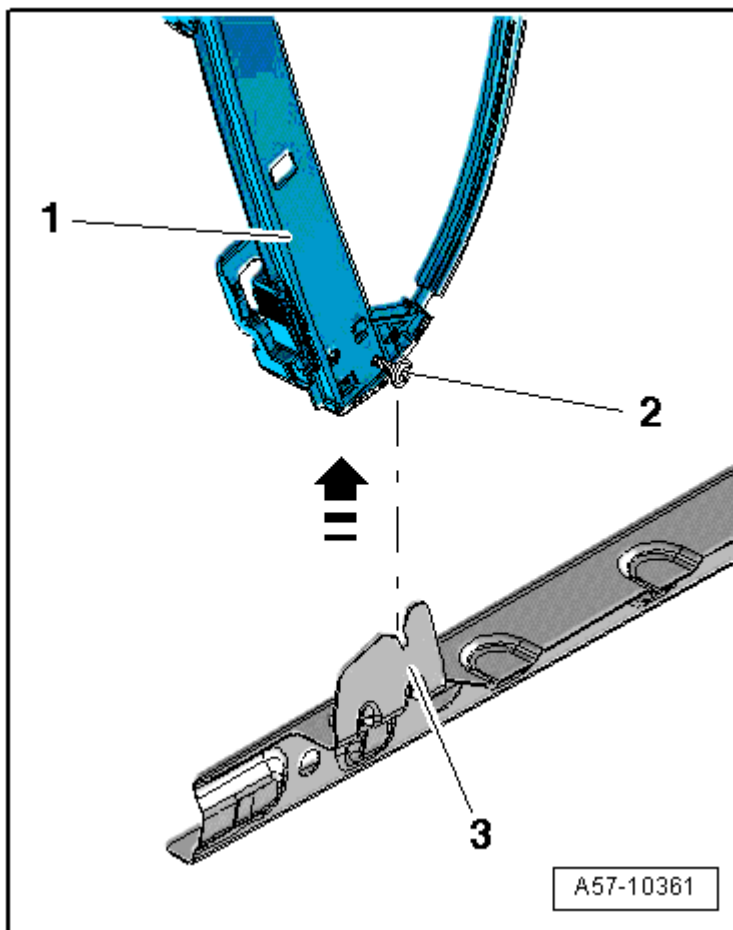


Fig. 65: Removing Window Regulator
Courtesy of AUDI OF AMERICA, LLC

- Remove the lower screw -2- and remove the window regulator -1- out of the bracket -3- in direction of -arrow-.

Removing

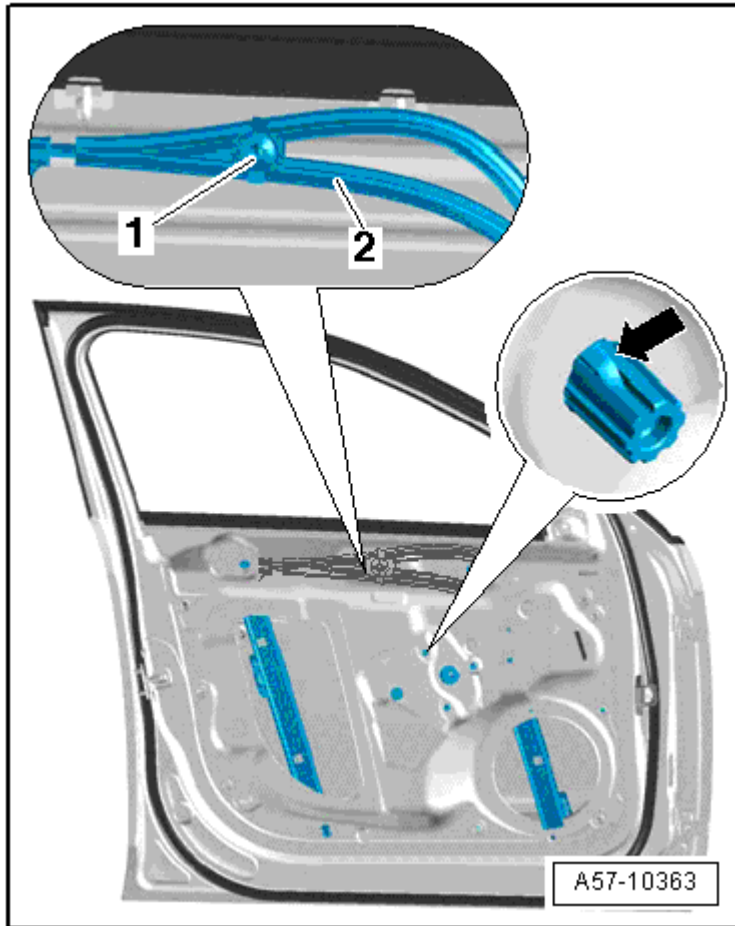


Fig. 66: Removing Window Regulator Motor
 Courtesy of AUDI OF AMERICA, LLC

- Window regulator motor, removing, refer to **WINDOW REGULATOR MOTOR**.
- Remove the door window. Refer to **FRONT DOOR WINDOW**.
- Remove the bass speaker. Refer to **Removal and Installation**.
- Release the threaded pins clips -arrow- for the window regulator with an 11 mm socket by mounting the socket onto the threaded pins.
- Remove the clip -1- for the cable -2- from the inner side of the cable guide -1-.
- Remove the sealing plugs -1, 3 and 6-.

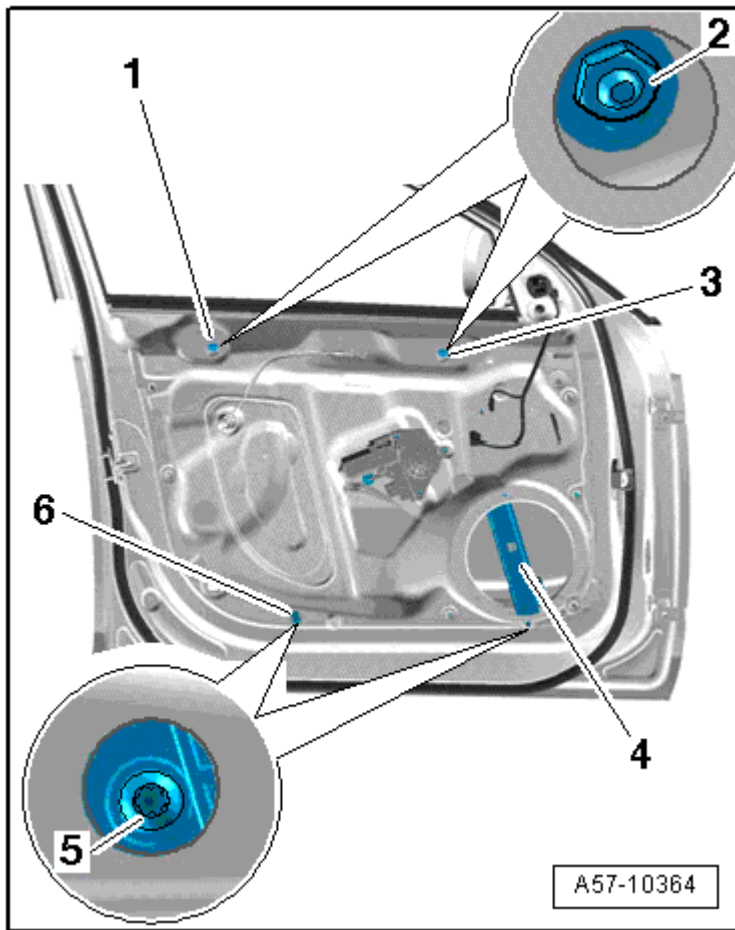


Fig. 67: Removing Clip For Cable From Inner Side Of Cable Guide
Courtesy of AUDI OF AMERICA, LLC

- Remove the upper nuts -2-.
- Move the lower screws -5- on the window regulator cable guide.
- Remove the window regulator -4- upward and out of the door.

Installation

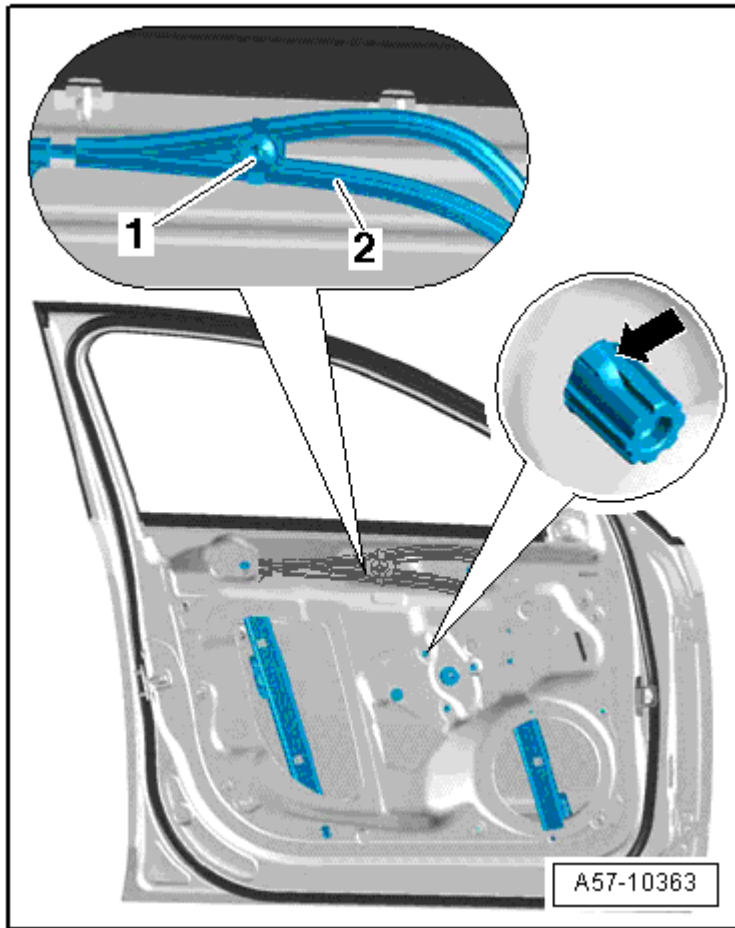


Fig. 68: Installation Of Window Regulator

Courtesy of AUDI OF AMERICA, LLC

- Tightening specifications, refer to **WINDOW REGULATOR MOTOR AND WINDOW REGULATOR OVERVIEW**.

Installation is reverse of removal, but note the following:

- The threaded pin clips -arrow- for the window regulator must lock into the inner door panel.

-- Install the bass speaker. Refer to **Removal and Installation** .

-- Install the door window. Refer to **FRONT DOOR WINDOW** .

-- Install the window regulator motor. Refer to **WINDOW REGULATOR MOTOR**.

WINDOW REGULATOR MOTOR

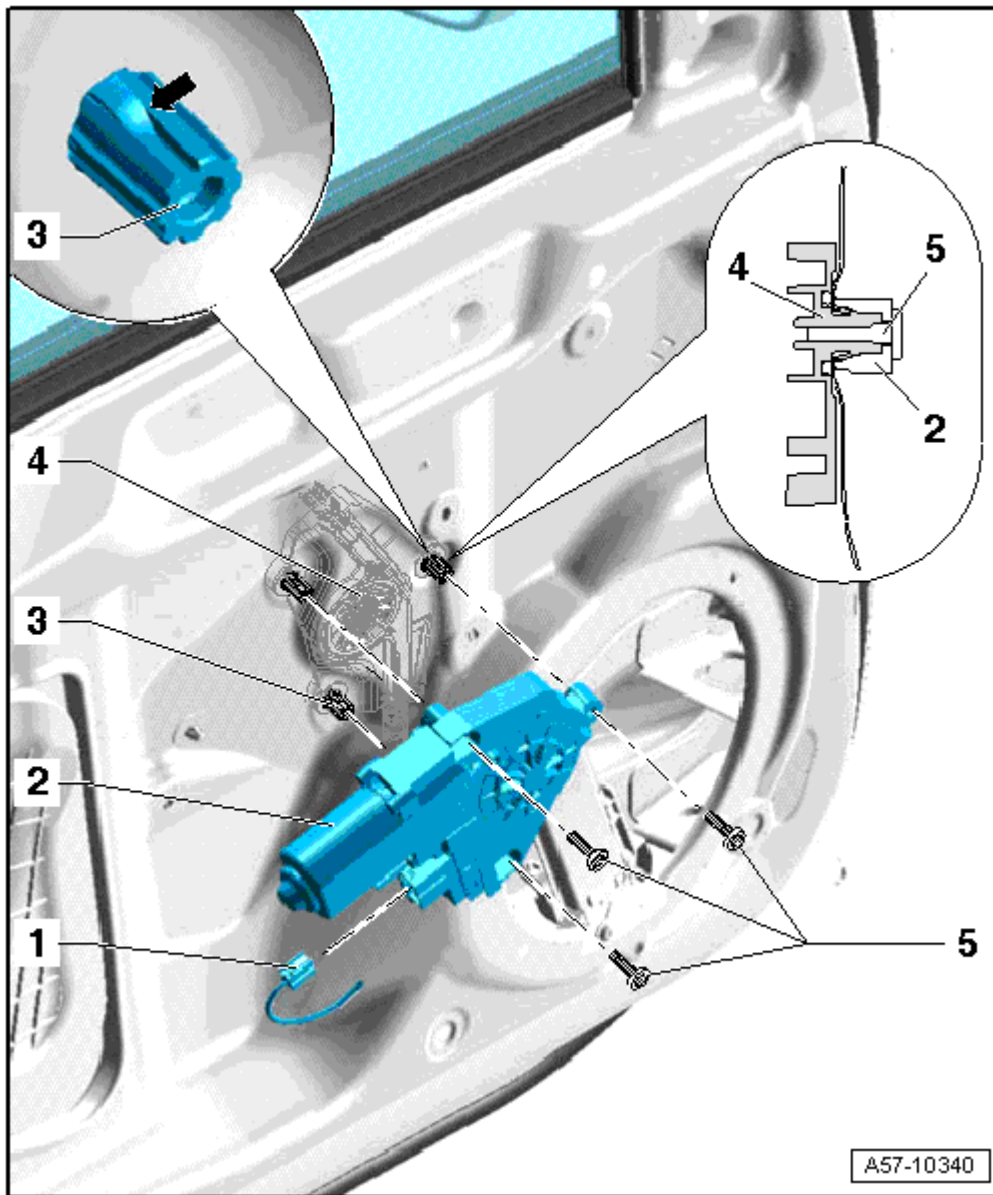


Fig. 69: Identifying Window Regulator Motor

Courtesy of AUDI OF AMERICA, LLC

1. Electrical Connection

-- Disconnect the connector on the door control module.

2. Window Regulator Motor

NOTE: The window regulator motor can be removed or installed with the motor or door window in any position.

- Removing

-- Remove the door trim. Refer to **Removal and Installation** .

-- Remove the screws -6- and remove the window regulator motor from the window regulator.

- **Installation**

- Tightening specifications, refer to **WINDOW REGULATOR MOTOR AND WINDOW REGULATOR OVERVIEW**.

Installation is reverse of removal, but note the following:

- The clips -arrow- for the window regulator threaded pins must be latched into the inner door panel.

-- Mount the window regulator motor on the threaded pins and tighten the screws -6-.

NOTE: **With the window regulator motor switches connected, switch the ignition on and run the door windows up to the stop.**

Continue holding the window regulator switch for approximately 2 seconds so the basic setting and one-touch up/down function are activated.

3. Threaded Pins
4. Window Regulator
5. Bolt
 - 3.5 Nm

FUEL TANK LID UNLOCK MOTOR

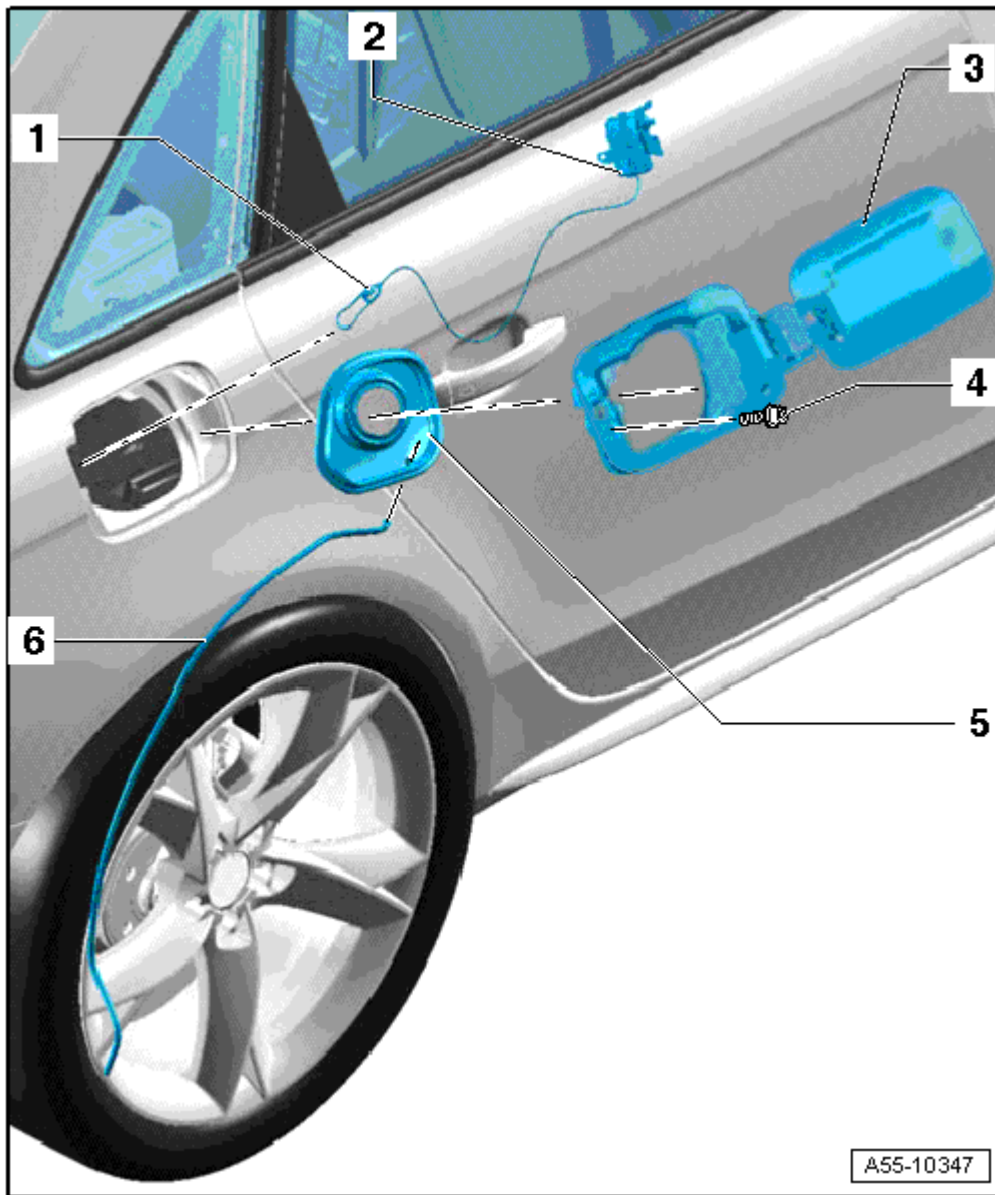


Fig. 70: Identifying Fuel Tank Lid Unlock Motor

Courtesy of AUDI OF AMERICA, LLC

1. Emergency Release Cable
 - Routing, refer to item 2 **FUEL TANK LID UNLOCK MOTOR**.
2. Fuel Filler Door Unlock Motor -V 155-
 - Removal:
 - Fuel filler door removed
 - Pull the comfort system central control module -J393- into the luggage compartment and pull it forward.

-- Remove the fuel tank lid unlock motor -V 155- forward off the body flange and disconnect the electrical connector.

- **Installing:**

-- Slide the fuel tank lid unlock motor -V 155- onto the flange and slide the emergency release into the luggage compartment.

3. Fuel Filler Door

- **Removal:**

- Must be replaced after removing. Refer to **REPLACE THE TANK DOOR UNIT**

-- Open the door and remove the bolt.

-- Pull the bolted side of the door out of the side panel slightly.

-- Completely remove the door from the side panel diagonally toward the rear.

- **Installing:**

-- Guide cable through opening in fuel filler door cup.

-- Insert fuel filler door diagonally until catches on protruding flange engage in side panel.

-- Bolt the door and the door release motor together using the bolt -4-.

4. Bolt

- 1.7 Nm

5. Fuel Filler Door Cup

6. Drain Hose

Fuel Filler Door Emergency Release

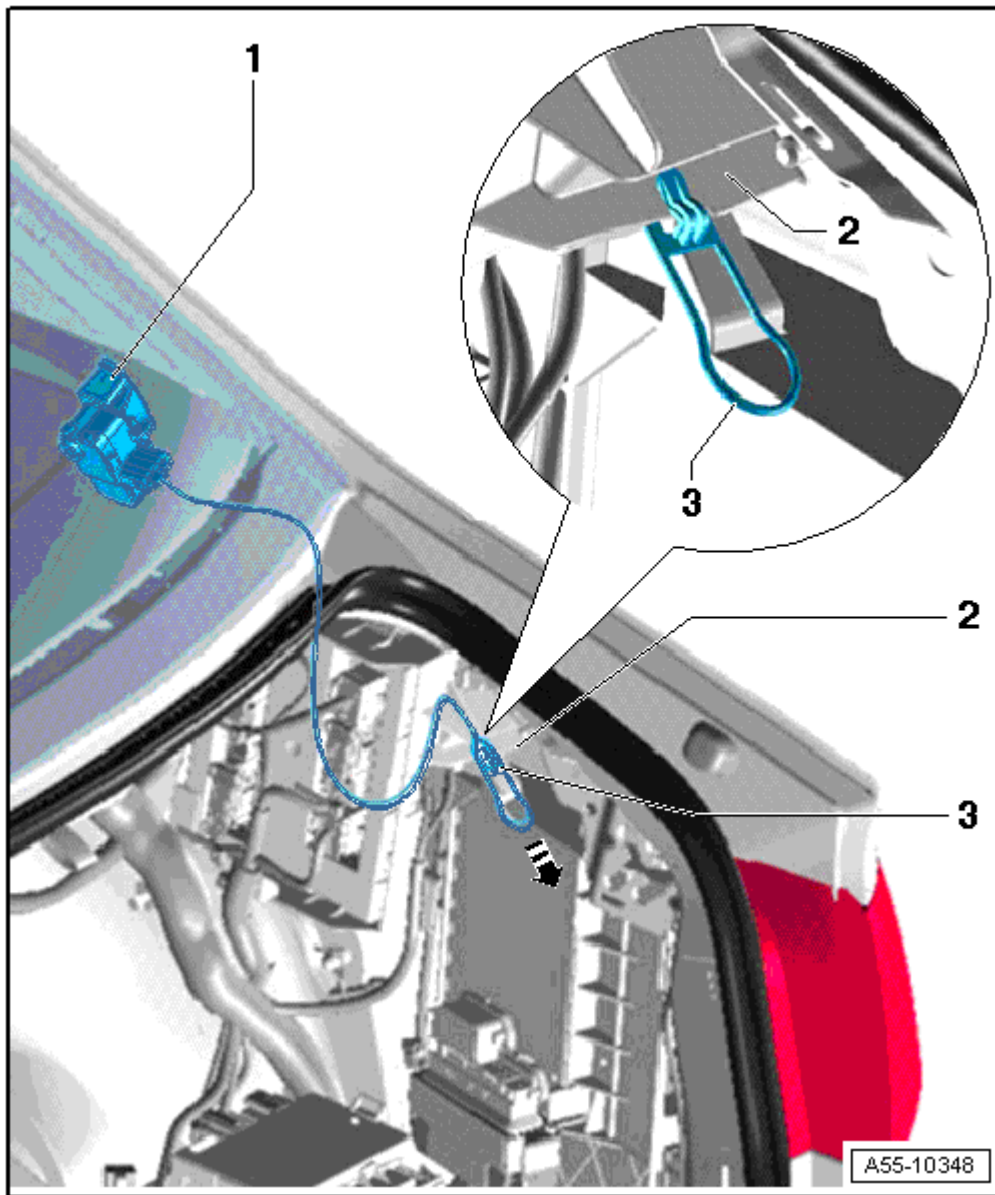


Fig. 71: Fuel Filler Door Emergency Release

Courtesy of AUDI OF AMERICA, LLC

1. Fuel Filler Door Unlock Motor -V 155-
2. Emergency Release Cable
 - Insert the fuel tank lid unlock motor -V 155- with the cable over the tank opening as shown.
 - Pull the cable back into the vehicle interior and connect it with the tab on the flange on the comfort system central control module -J393-.
3. Side Panel

SPECIAL TOOLS

Special tools and workshop equipment required

- Roller 3356

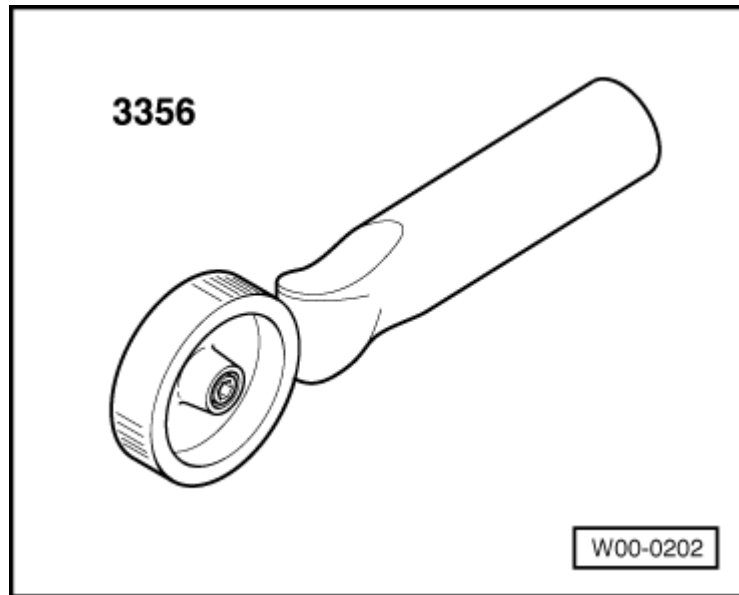


Fig. 72: Application Roller For Door Insulation Foil 3356
Courtesy of AUDI OF AMERICA, LLC

- Adhesive Strip Remover VAS 6349

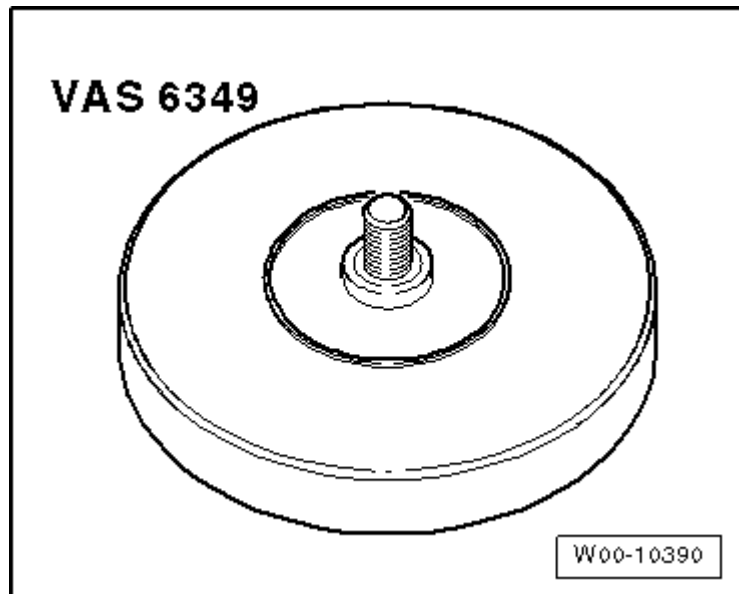


Fig. 73: Identifying Adhesive Strip Remover VAS 6349
Courtesy of AUDI OF AMERICA, LLC

- Template T40038 /8

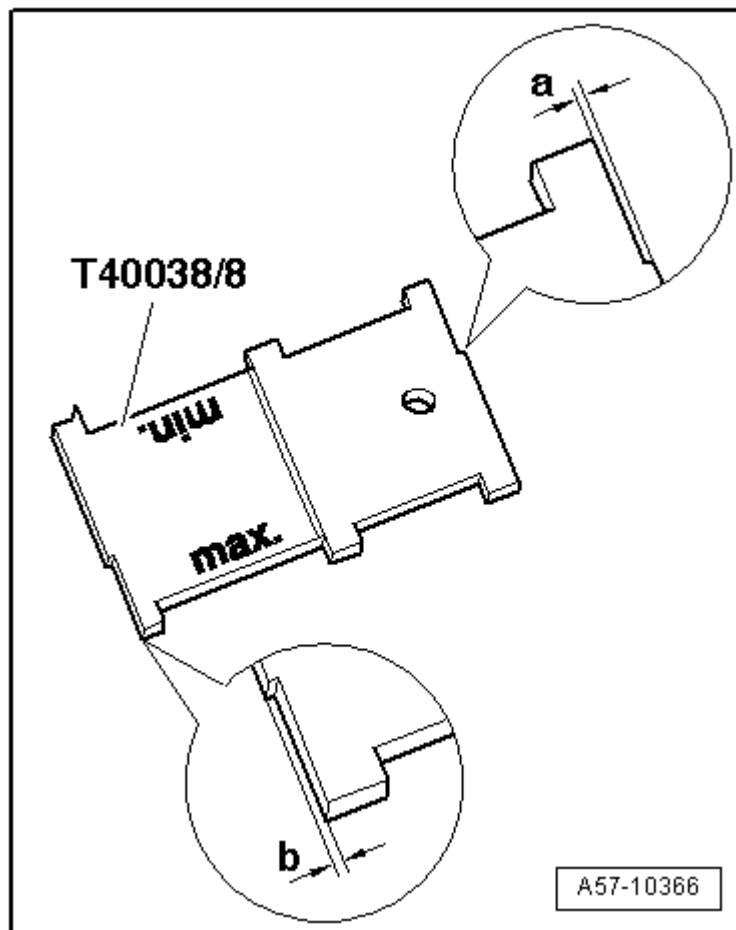


Fig. 74: Identifying Template T40038 /8
 Courtesy of AUDI OF AMERICA, LLC

- Removal Tool T40219

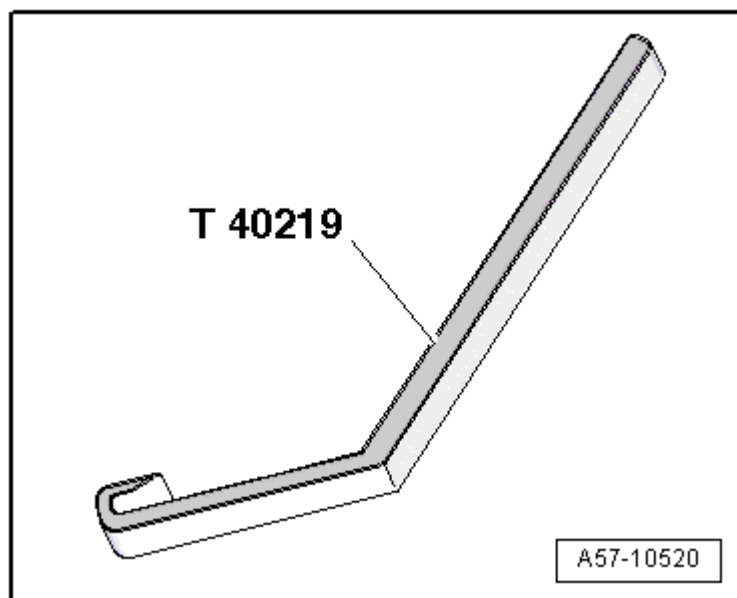


Fig. 75: Identifying Removal Hook T40219
Courtesy of AUDI OF AMERICA, LLC

- Pry Lever 80 - 200

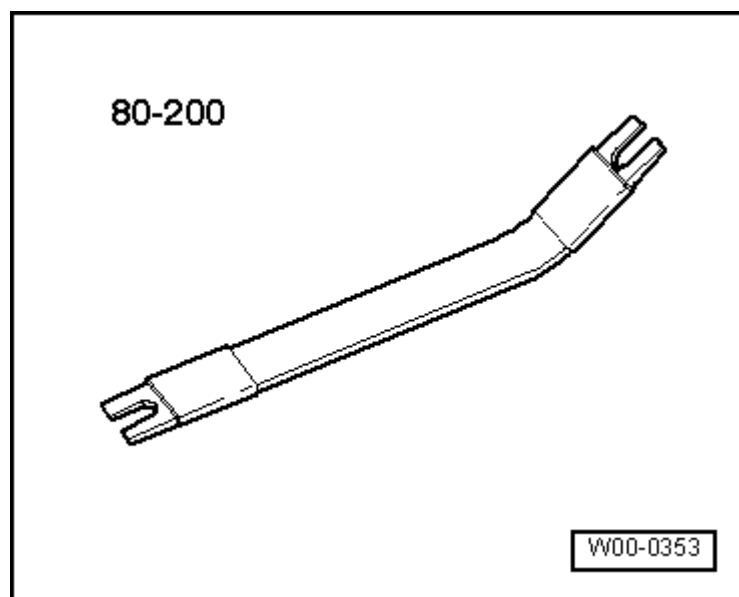


Fig. 76: 80-200 Pry Lever
Courtesy of AUDI OF AMERICA, LLC