

ACCESSORIES & EQUIPMENT**Wiper/Washer Systems (Sedan)****92 WIPER/WASHER SYSTEMS****GENERAL INFORMATION****CONTACT CORROSION**

Contact corrosion can occur if incorrect fasteners (bolts, nuts, washers, etc.) are used.

For this reason, only fasteners with a special surface coating are used.

In addition, rubber or plastic parts and adhesive consist of non-conductive materials.

If there are doubts as to whether parts are suitable or not, use new parts.

NOTE:

- **We only recommend original replacement parts, they have been tested and are compatible with aluminum.**
- **We recommend using Audi accessories.**
- **Damage resulting from contact corrosion is not covered by warranty.**

FLUID HOSES

The following descriptions can be found in the **General Information** .

- Washer fluid line hose connections, disconnecting and connecting
- Corrugated hose washer fluid line, repairing

DESCRIPTION AND OPERATION**HEADLAMP WASHER AND WINDSHIELD WIPER, WASHER SYSTEM OVERVIEW**

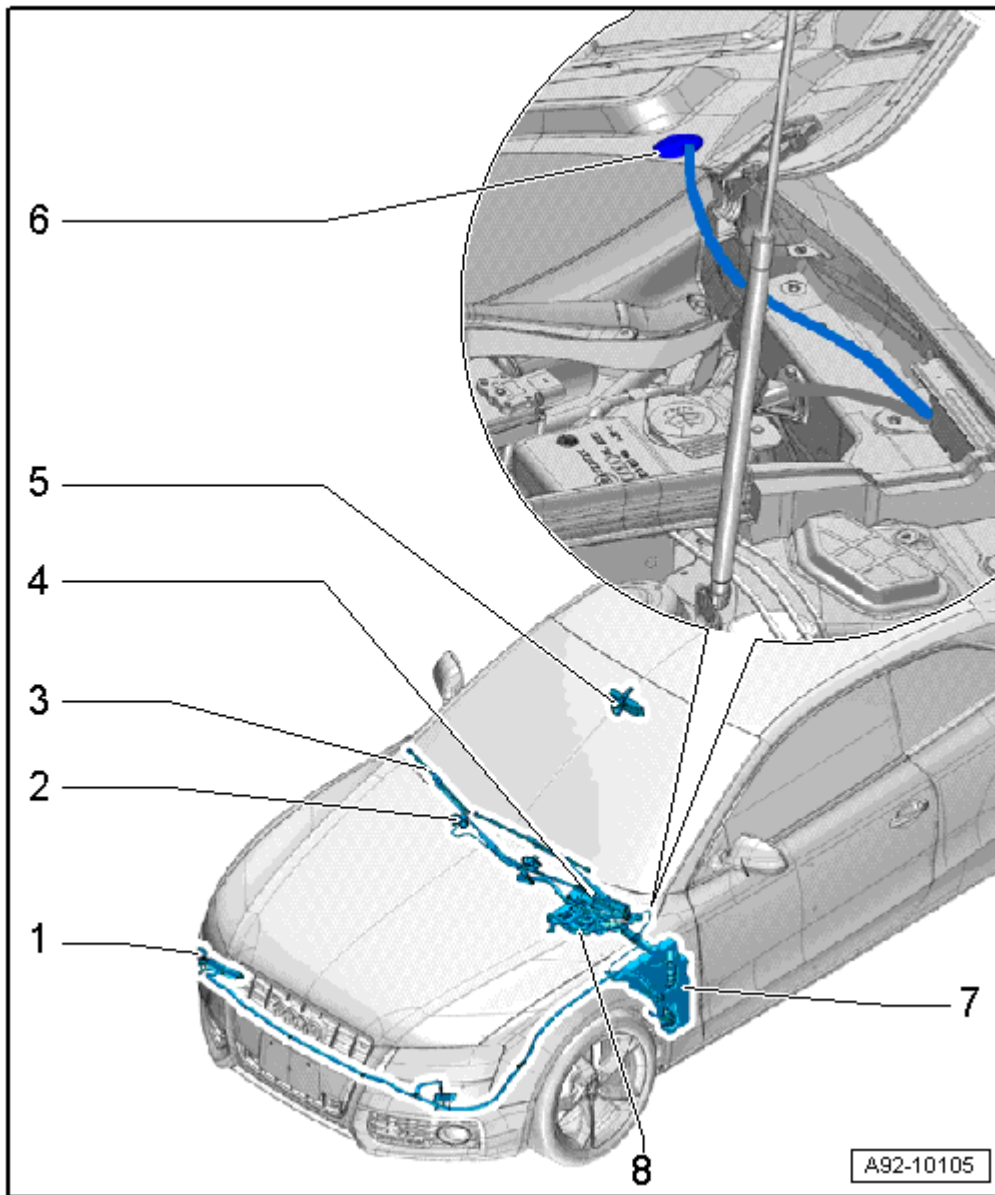


Fig. 1: Headlamp Washer And Windshield Wiper, Washer System Overview
Courtesy of AUDI OF AMERICA, LLC

1. Headlamp Washer System Spray Nozzle
 - Overview, refer to **RESERVOIR, HOSES AND NOZZLES OVERVIEW**.
 - Removing and installing, refer to **SPRAY NOZZLES**.
2. Spray Nozzle
 - Overview, refer to **WASHER FLUID RESERVOIR, HOSES AND NOZZLES OVERVIEW**.
 - Removing and installing, refer to **SPRAY NOZZLES**.
3. Wiper Arm
 - Overview, refer to **WIPER SYSTEM OVERVIEW**.
 - Removing and installing, refer to **WIPER ARMS**.

4. Windshield Wiper Motor -V-

- With the wiper motor control module -J400-.
- Overview, refer to **WIPER SYSTEM OVERVIEW**.
- Removing and installing, refer to **WIPER MOTOR WITH WIPER MOTOR CONTROL MODULE**.

5. Rain/Light Recognition Sensor -G397-

- Removing and installing, refer to **Removal and Installation** .

6. Grommet

- For the windshield washer fluid hose inside the hood.

7. Washer Fluid Reservoir

- Overview, refer to **WASHER FLUID RESERVOIR, HOSES AND NOZZLES OVERVIEW**.
- Removing and installing, refer to **WASHER FLUID RESERVOIR**.

8. Filler Tube

- For the washer fluid reservoir.
- Overview, refer to **WASHER FLUID RESERVOIR, HOSES AND NOZZLES OVERVIEW**.
- Removing and installing, refer to **WASHER FLUID RESERVOIR FILLER NECK**.

HEADLAMP WASHER SYSTEM**RESERVOIR, HOSES AND NOZZLES OVERVIEW**

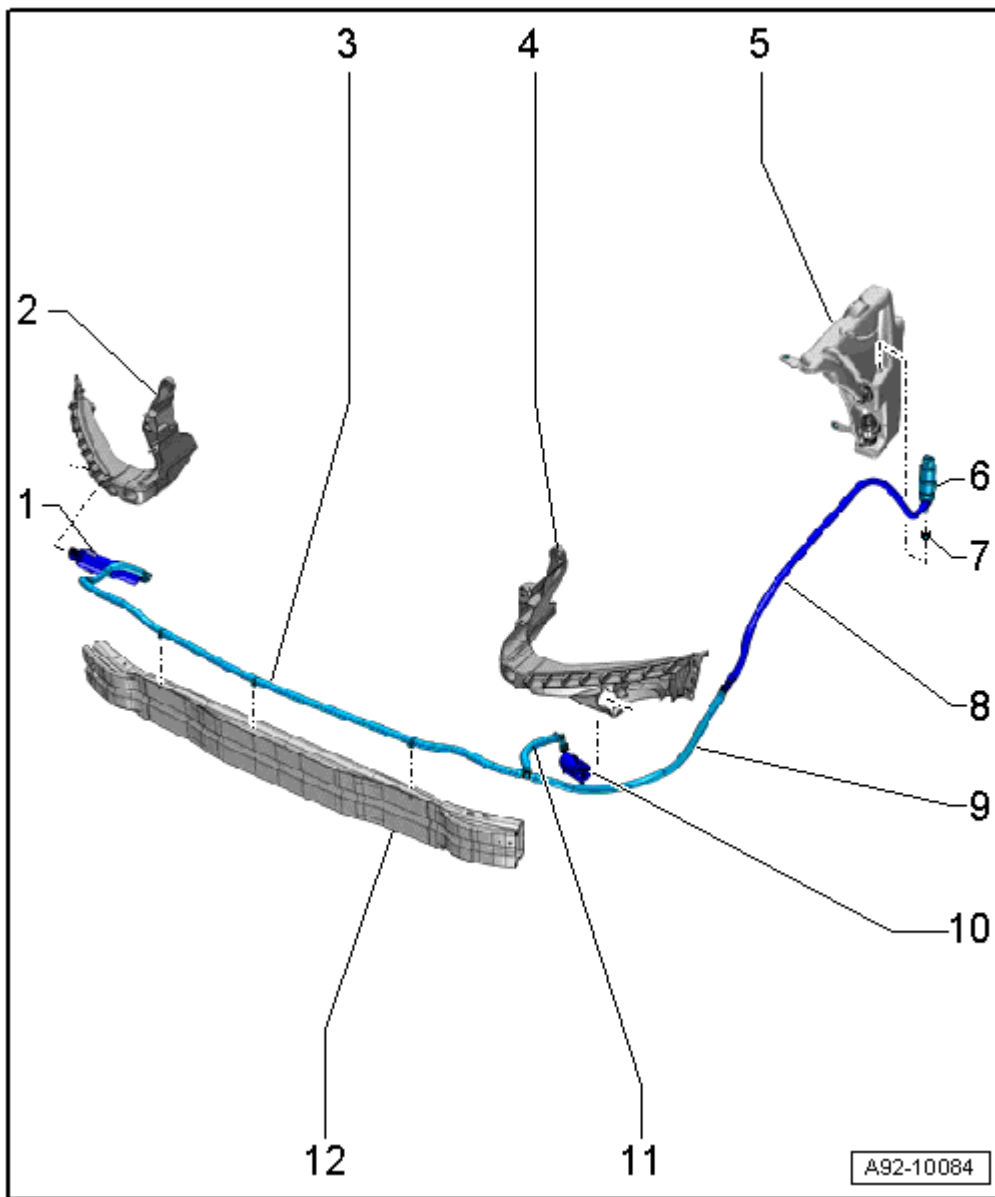


Fig. 2: Reservoir, Hoses And Nozzles Overview

Courtesy of AUDI OF AMERICA, LLC

1. Right Washer Nozzle
 - Removing and installing, refer to **SPRAY NOZZLES**.
2. Right Mount
 - For the spray nozzle and headlamp.
3. Washer Fluid Hose
 - For the right spray nozzle.
 - Secured on the bumper with cable ties.
4. Left Mount
 - For the spray nozzle and headlamp.

5. Washer Fluid Reservoir
6. Headlamp Washer System Pump -V11-
 - Removing and installing, refer to **HEADLAMP WASHER PUMP**.
7. Sealing Grommet
 - For the headlamp washer pump.
8. Washer Fluid Hose
 - From the headlamp washer pump.
9. Washer Fluid Hose
 - To the spray nozzles
10. Left Washer Nozzle
 - Removing and installing, refer to **SPRAY NOZZLES**.
11. Washer Fluid Hose
 - For the left spray nozzle.
12. Bumper

SPRAY NOZZLE, ADJUSTING

NOTE: **The spray nozzles are already adjusted by the manufacturer and must not be adjusted after installation.**

WINDSHIELD WIPER AND WASHER SYSTEM**WIPER SYSTEM OVERVIEW**

Observe the notes on the contact corrosion. Refer to **CONTACT CORROSION**.

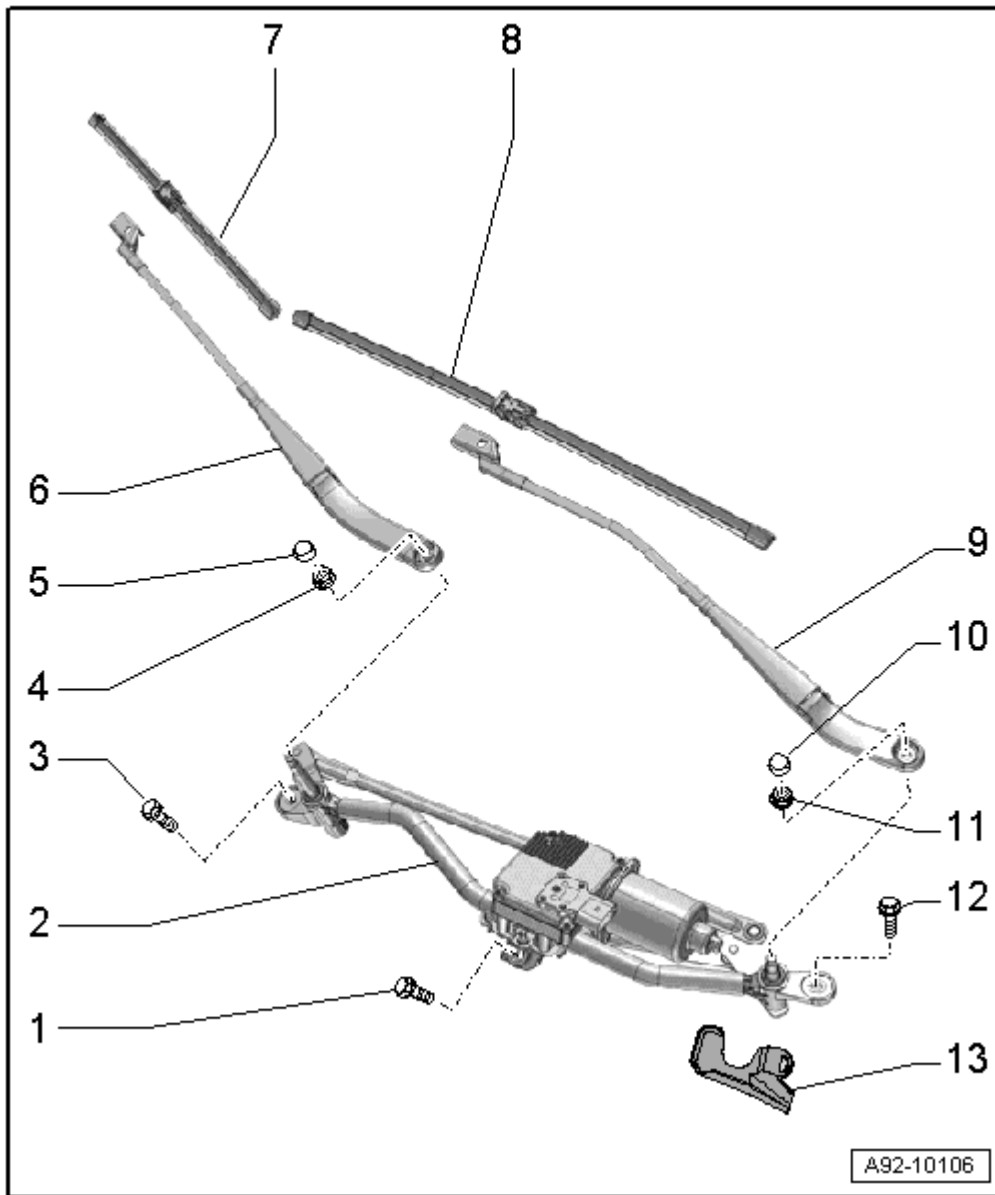


Fig. 3: Wiper System Overview

Courtesy of AUDI OF AMERICA, LLC

1. Bolt
 - Tightening sequence, refer to **Windshield Wiper Motor - Tightening Specification and Sequence.**
2. Windshield Wiper Motor -V-
 - With the wiper motor control module -J400-.
 - Removing and installing, refer to **WIPER MOTOR WITH WIPER MOTOR CONTROL MODULE.**
3. Bolt
 - Tightening sequence, refer to **Windshield Wiper Motor - Tightening Specification and**

Sequence.

4. Nut
 - 17 Nm
5. Cap
6. Windshield Wiper Arm, Passenger's Side
 - Different lengths.
 - Removing and installing, refer to **WIPER ARMS.**
 - Adjusting, refer to **WIPER ARM, ADJUSTING.**
7. Windshield Wiper Blade, Passenger's Side
 - Different lengths.
 - Replacing, refer to **WIPER BLADE, REPLACING.**
8. Windshield Wiper Blade, Driver's Side
 - Different lengths.
 - Replacing, refer to **WIPER BLADE, REPLACING.**
9. Windshield Wiper Arm, Driver's Side
 - Different lengths.
 - Removing and installing, refer to **WIPER ARMS.**
 - Adjusting, refer to **WIPER ARM, ADJUSTING.**
10. Cap
11. Nut
 - 17 Nm
12. Bolt
 - Tightening sequence, refer to **Windshield Wiper Motor - Tightening Specification and Sequence.**
13. Water Drain Channel

Windshield Wiper Motor - Tightening Specification and Sequence

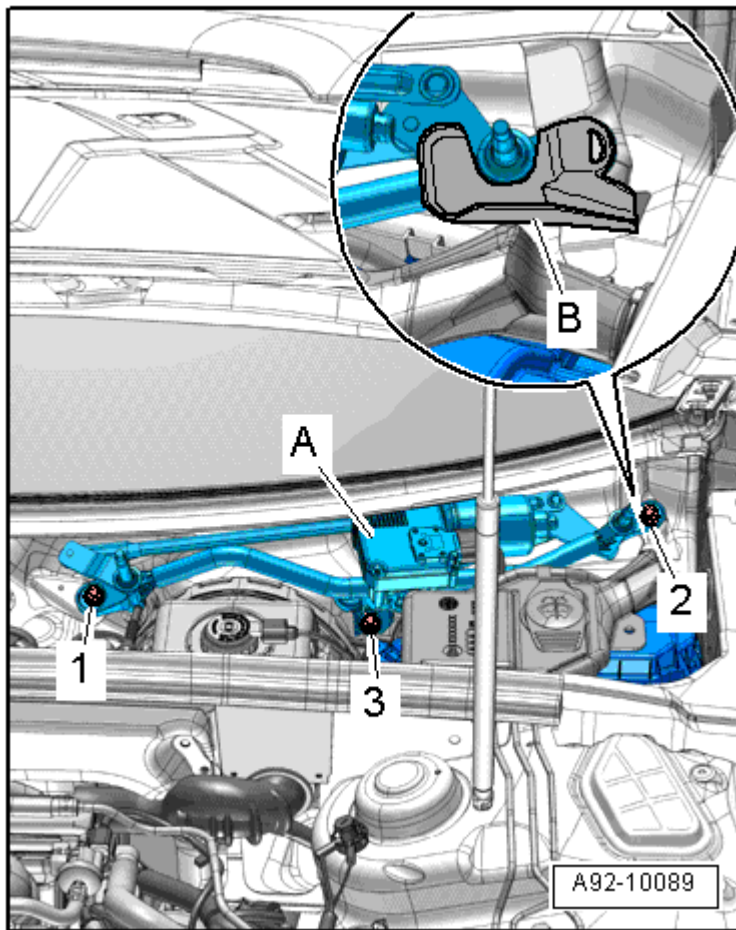


Fig. 4: Windshield Wiper Motor - Tightening Specification And Sequence
Courtesy of AUDI OF AMERICA, LLC

- Tighten the bolts -1, 2, 3- in sequence in 2 stages as follows:
- Tighten the bolts by hand until seated.
- Tighten the bolts to 8 Nm.

WASHER FLUID RESERVOIR, HOSES AND NOZZLES OVERVIEW

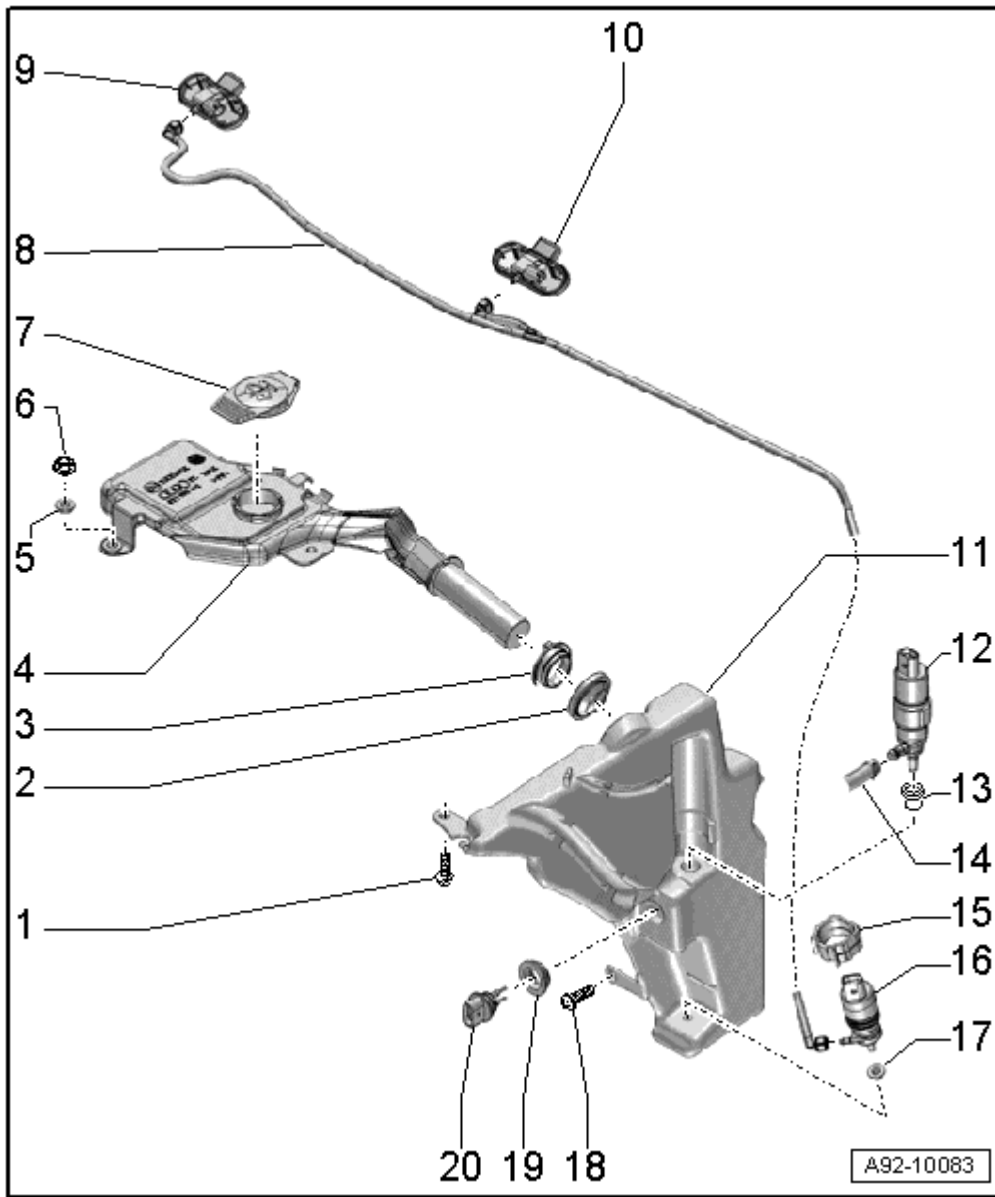


Fig. 5: Washer Fluid Reservoir, Hoses And Nozzles Overview

Courtesy of AUDI OF AMERICA, LLC

1. Bolt
 - Tightening sequence, refer to **Windshield Wiper Motor - Tightening Specification and Sequence.**
2. O-ring
 - Replace if damaged.
3. Sealing Grommet
 - Replace if damaged.
4. Filler Tube
 - For the washer fluid reservoir.

- Removing and installing, refer to **WASHER FLUID RESERVOIR FILLER NECK**.
- 5. Support Ring
- 6. Nut
 - Threaded connection shared with tower brace.
 - Tightening specification, refer to **Removal and Installation** .
- 7. Cover
 - For the filler neck.
- 8. Washer Fluid Line
 - For the windshield washer system.
- 9. Right Washer Nozzle
 - Depending on equipment, with the right washer nozzle heater -Z21-.
 - Removing and installing, refer to **SPRAY NOZZLES**.
 - Adjusting, refer to **SPRAY NOZZLES, ADJUSTING**.
- 10. Left Washer Nozzle
 - Depending on equipment, with the left washer nozzle heater -Z20-.
 - Removing and installing, refer to **SPRAY NOZZLES**.
 - Adjusting, refer to **SPRAY NOZZLES, ADJUSTING**.
- 11. Washer Fluid Reservoir
 - Removing and installing, refer to **WASHER FLUID RESERVOIR**.
- 12. Headlamp Washer System Pump -V11-
- 13. Sealing Grommet
- 14. Washer Fluid Line
 - For the headlamp washer system.
- 15. Retaining Ring
 - For the windshield washer pump.
- 16. Windshield Washer Pump -V5-
 - Removing and installing, refer to **WINDSHIELD WASHER PUMP -V5-**.
- 17. Sealing Grommet
- 18. Bolt
 - Tightening sequence, refer to **Windshield Wiper Motor - Tightening Specification and Sequence**.
- 19. Sealing Grommet
- 20. Windshield Washer Fluid Level Sensor -G33-
 - Removing and installing, refer to **WASHER FLUID LEVEL SENSOR -G33-**.

WASHER FLUID RESERVOIR, TIGHTENING SPECIFICATIONS AND SEQUENCE

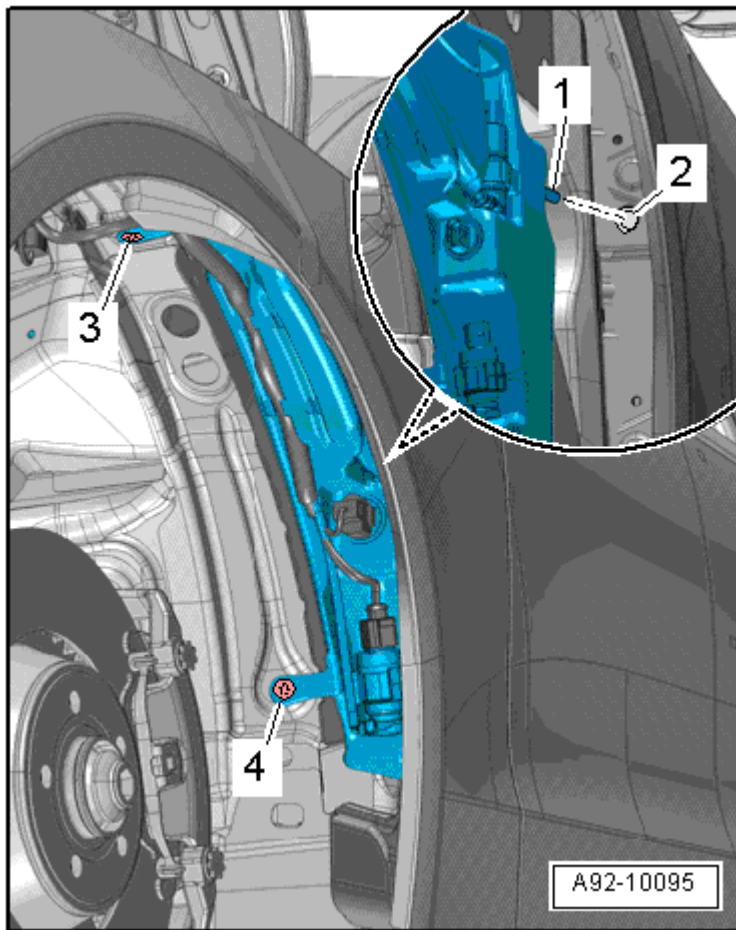


Fig. 6: Washer Fluid Reservoir, Tightening Specifications And Sequence
Courtesy of AUDI OF AMERICA, LLC

- Tighten the washer fluid reservoir bolts in the sequence specified:
- Tighten the bolt -3- to 7 Nm.
- Tighten the bolt -4- to 7 Nm.

WIPERS, BRINGING INTO SERVICE POSITION

NOTE: If the windshield wiper motor is to be run during this procedure, the hood must be closed, otherwise the voltage supply of the wiper motor will be interrupted.

- Make sure the wiper blades are not frozen.
- Turn on ignition.
- Using the multimedia control head, activate the menu entry windshield wiper "on". Refer to the Owner's Manual.

- The windshield wipers run into "service position".

-- Turn off the ignition.

CAUTION: Risk of damaging the hood by running the wipers back in basic position.

- Do not drive a vehicle with the windshield wiper arms folded up.
- The windshield wipers automatically go back into their rest position when the wiper switch is activated or when driving faster than 6 km/h.

WIPER ARM, ADJUSTING

Procedure

NOTE: If the windshield wiper motor is to be run during this procedure, the hood must be closed, otherwise the voltage supply of the wiper motor will be interrupted.

-- Remove the wiper arms. Refer to WIPER ARMS.

-- Turn on the ignition.

-- Activate the "one-touch wiping" and let the wiper motor run to the end position.

NOTE: Every second time the wiper motor is turned off, it returns the wiper arms to a slightly lower rest position, thus tipping the wiper blade lips the other way.

To do so, the wiper motor moves the wiper arms farther down than to the rest position and then a bit up again. This lower rest position must not be used to adjust the wiper crank.

Only use the end position where the wiper arms run directly to the end position with no under stroke. Activate "one-touch wiping" again if necessary.

-- Turn off the ignition.

-- Position the wiper arm with wiper blade, installed at the wiper axis and align the wiper blade at the windshield as follows:

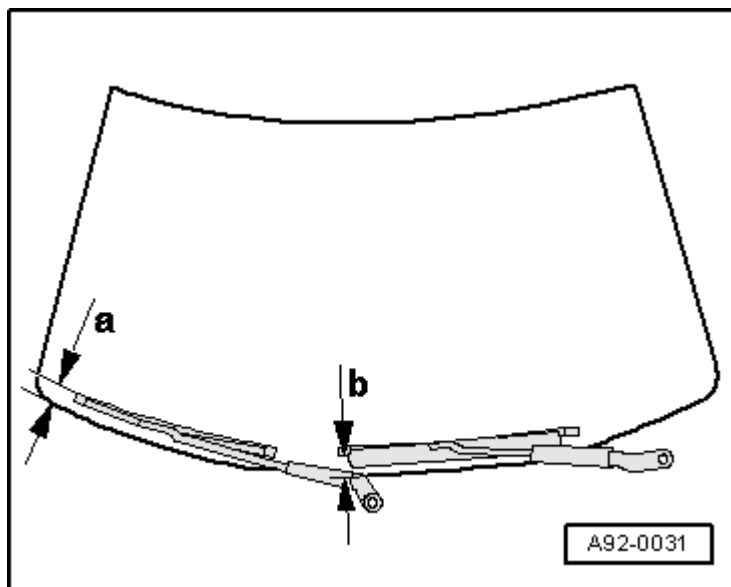


Fig. 7: Checking Windshield Wiper Blade Tips Position
Courtesy of AUDI OF AMERICA, LLC

- Dimension -a- = 0 + 10 mm.
- Dimension -b- = 0 + 10 mm.

NOTE: The dimensions give the distance of the wiper blade tips to the cowl panel trim on the lower edge of the windshield.

-- Tighten the nuts -2- for the wiper arms -1-.

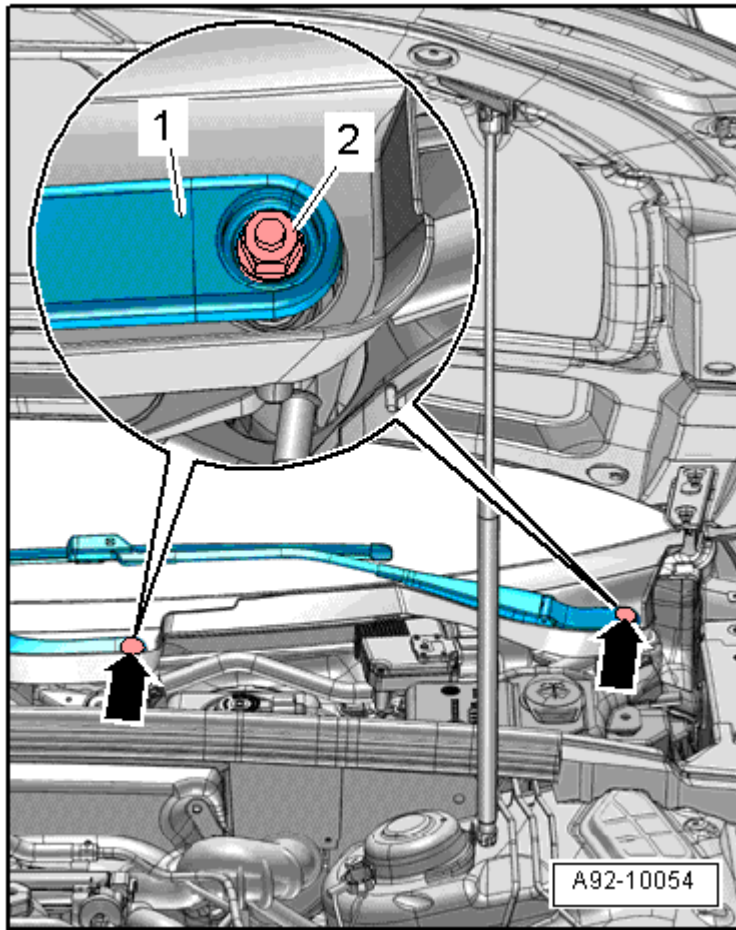


Fig. 8: Identifying Nuts For Wiper Arms
Courtesy of AUDI OF AMERICA, LLC

- Tightening specification, refer to **WIPER SYSTEM OVERVIEW**.

-- Turn on the ignition.

-- Operate the "one-touch wiping" and let the wiper arms run to the end position.

-- Turn off the ignition.

-- Check the adjustment of the wiper arms again, correct if necessary.

-- Install the caps -arrows- onto the wiper arms.

SPRAY NOZZLES, ADJUSTING

Special tools and workshop equipment required

- Windshield Washer Aiming Tool T40187 equipped with Replacement Tip 3125/5A

Adjusting

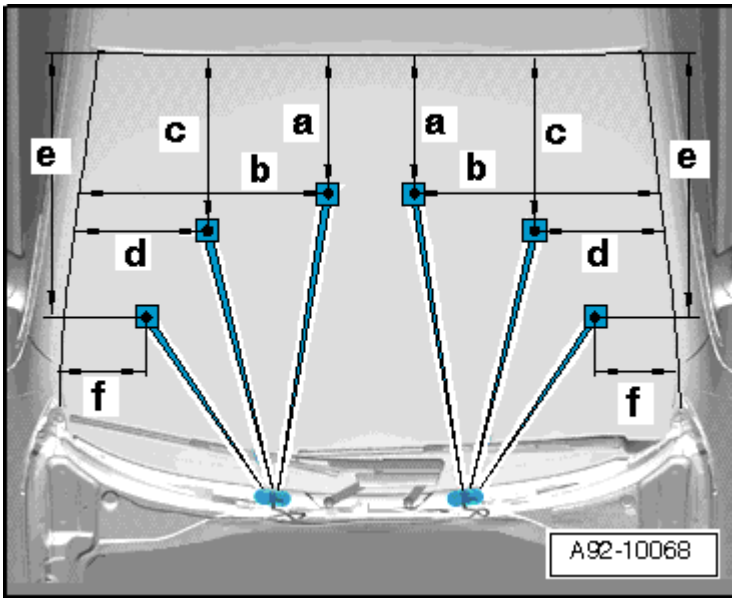


Fig. 9: Spray Nozzles Adjusting

Courtesy of AUDI OF AMERICA, LLC

NOTE: The settings indicate the values for a moving vehicle, for example, the spray from the jets is slightly offset when the vehicle is stationary.

-- Mark the six points on the windshield using a water soluble marker:

Dimensions in mm	Driver Side	Passenger Side
-a- =	310	310
-b- =	580	580
-c- =	360	360
-d- =	360	360
-e- =	550	550
-f- =	180	180

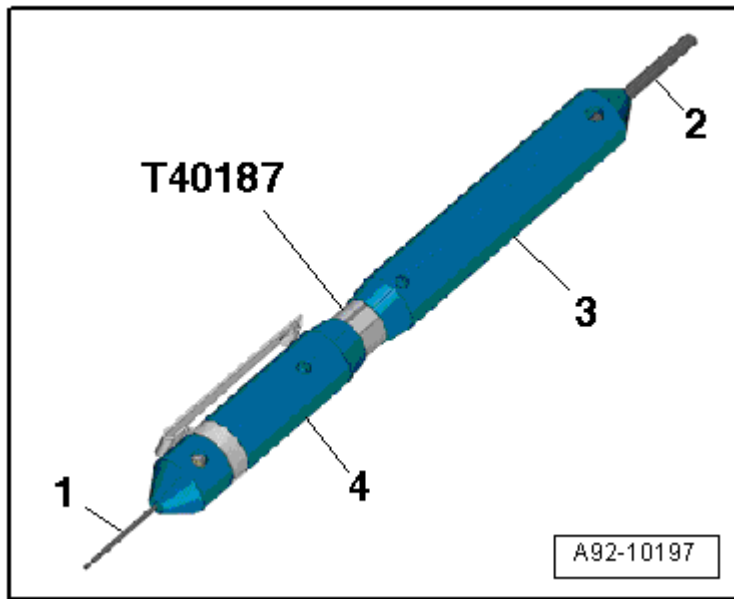


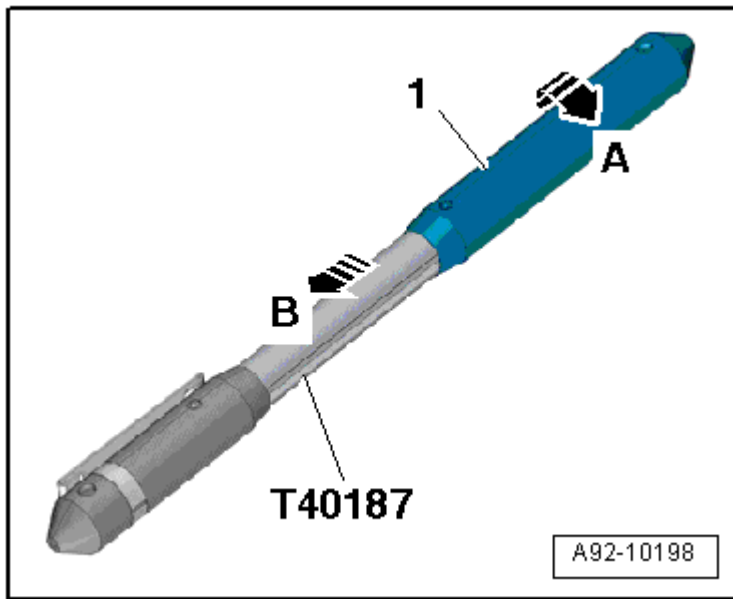
Fig. 10: T40187

Courtesy of AUDI OF AMERICA, LLC

WARNING: Risk of injury.

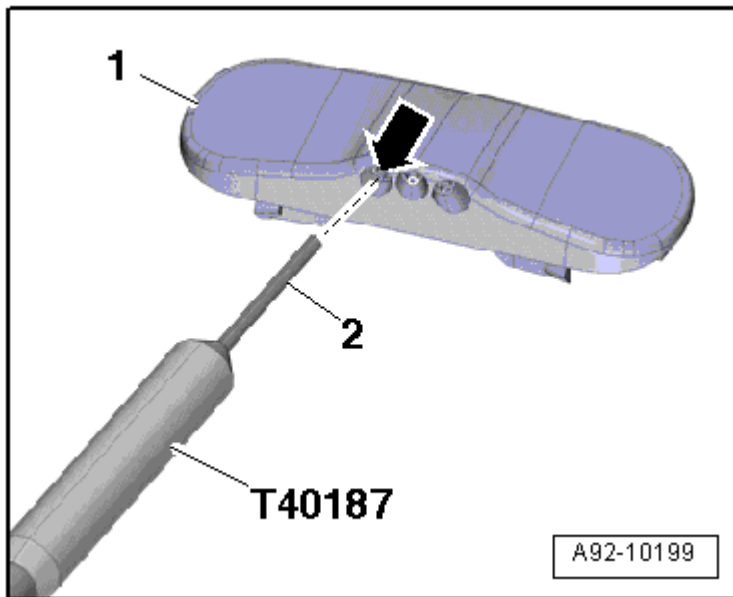
- If the T40187 is not used, ensure that both sides are always covered and secured by covers -3 and 4-.
- If one side is not secured by the cover, injury can be caused by the 3125/5A -1- or adjusting pin -2-.
- When opening each side, always ensure that the other side is not pointing toward the hand.

-- Unlock the long cover -1- on the T40187 -arrow A- and push it back -arrow B-.

**Fig. 11: T40187**

Courtesy of AUDI OF AMERICA, LLC

-- Place adjusting pin -2- on the respective nozzle -arrow- of nozzle unit -1- and aim at the points on the windshield and adjust if necessary.

**Fig. 12: Placing Adjusting Pin -2- On Respective Nozzle -Arrow- Of Nozzle Unit -1**

Courtesy of AUDI OF AMERICA, LLC

-- If the spray field does not correspond to the specifications, clean the dirty spray nozzle.

WARNING: Risk of injury.

- **The adjusting pin must be covered and secured by the cover after each use.**

Cleaning the Nozzle

- Remove the nozzle. Refer to **SPRAY NOZZLES**.
- Flush the nozzle opposite to the spray direction using clear water.
- To remove any remaining impurities, the nozzle must only be blown out opposite to spray direction using compressed air.
- If the spray field still does not match the specifications, replace the spray nozzle.

REAR WINDOW WIPER AND WASHER SYSTEM**WIPER AND WASHER OVERVIEW**

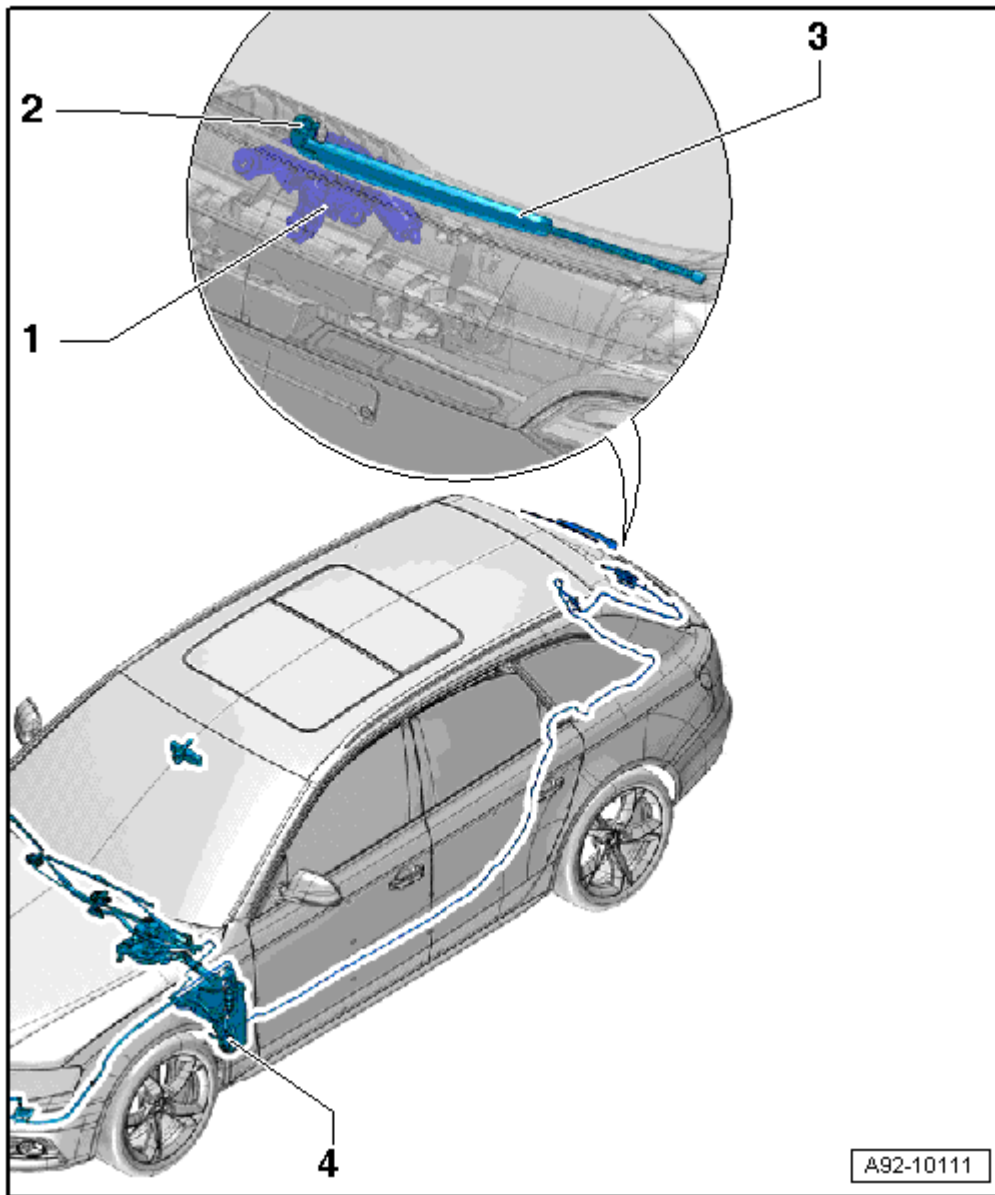


Fig. 13: Wiper And Washer Overview
Courtesy of AUDI OF AMERICA, LLC

1. Rear Window Wiper Motor -V12-
 - Overview, refer to **WIPER AND MOTOR OVERVIEW**.
 - Removing and installing, refer to **REAR WINDOW WIPER MOTOR -V12-**.
2. Spray Nozzle
 - Overview, refer to **FLUID RESERVOIR, LINES AND NOZZLES OVERVIEW**.
 - Removing and installing, refer to **SPRAY NOZZLE**.
3. Wiper Arm
 - Overview, refer to **WIPER AND MOTOR OVERVIEW**.
 - Removing and installing, refer to **WIPER ARM**.

4. Washer Fluid Reservoir

- Overview, refer to **FLUID RESERVOIR, LINES AND NOZZLES OVERVIEW**.
- Removing and installing, refer to **WASHER FLUID RESERVOIR**.

WIPER AND MOTOR OVERVIEW

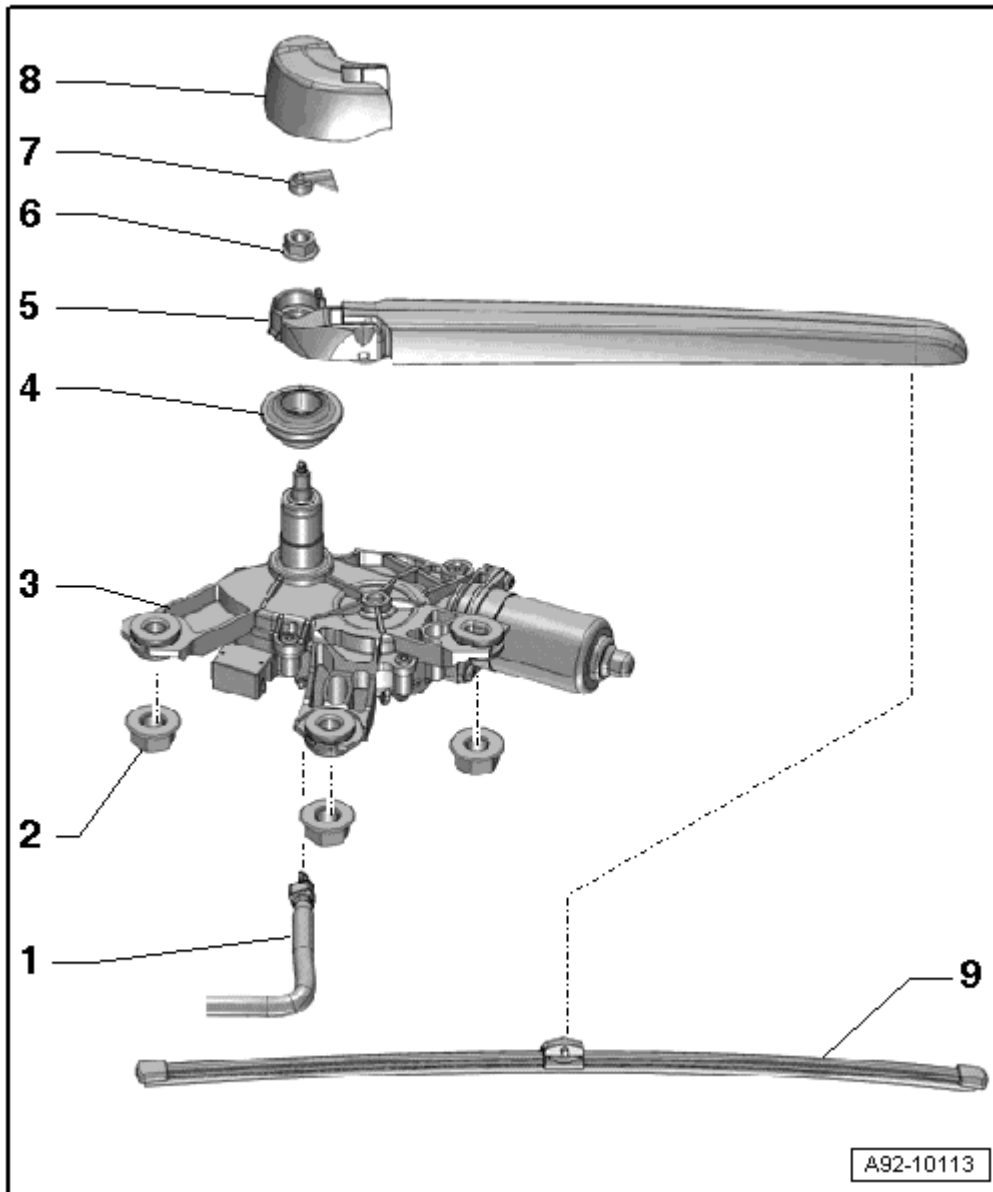


Fig. 14: Wiper And Motor Overview
Courtesy of AUDI OF AMERICA, LLC

1. Washer Fluid Hose

- For the rear window washer system.

2. Nut

- 8 Nm
- 3. Rear Window Wiper Motor -V12-
 - Removing and installing, refer to **REAR WINDOW WIPER MOTOR -V12-**.
- 4. Rubber Seal
 - Removing and installing, refer to **RUBBER SEAL**.
- 5. Wiper Arm
 - Removing and installing, refer to **WIPER ARM**.
- 6. Nut
 - 12 Nm
- 7. Spray Nozzle
- 8. Cap for Rear Wiper
- 9. Wiper Blade
 - Replacing, refer to **WIPER BLADE**.

FLUID RESERVOIR, LINES AND NOZZLES OVERVIEW

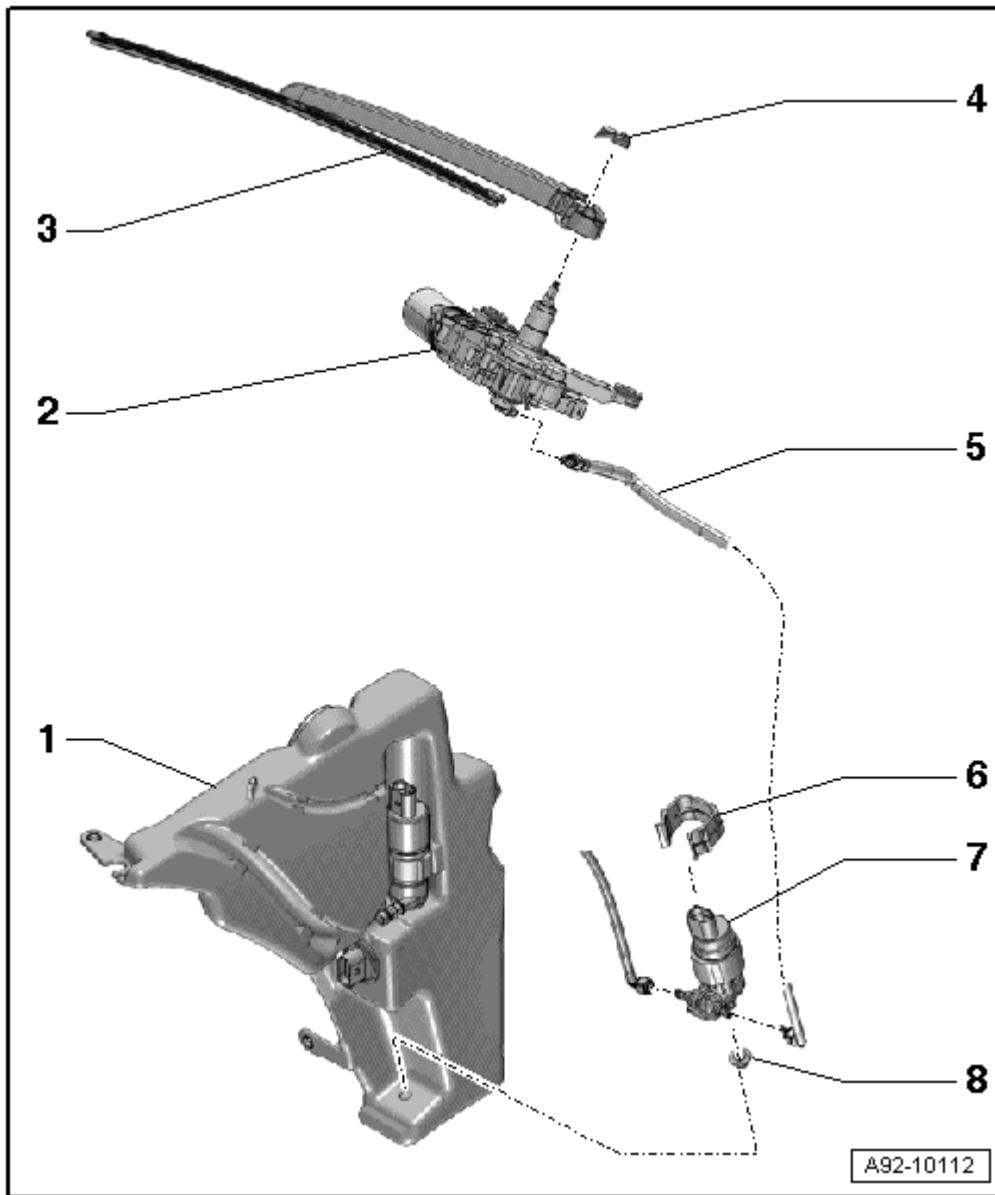


Fig. 15: Fluid Reservoir, Lines And Nozzles Overview

Courtesy of AUDI OF AMERICA, LLC

1. Washer Fluid Reservoir
 - Removing and installing, refer to **WASHER FLUID RESERVOIR**.
2. Rear Window Wiper Motor -V12-
3. Wiper Arm
4. Spray Nozzle
 - Removing and installing, refer to **SPRAY NOZZLE**.
 - Adjusting, refer to **SPRAY NOZZLE, ADJUSTING**.
5. Washer Fluid Hose
 - For the rear window washer system.

6. Retaining Ring
 - For the windshield washer pump.
7. Windshield Washer Pump -V5-
 - Removing and installing, refer to **WINDSHIELD WASHER PUMP -V5-**.
8. Sealing Grommet

WIPER ARM, ADJUSTING

Procedure

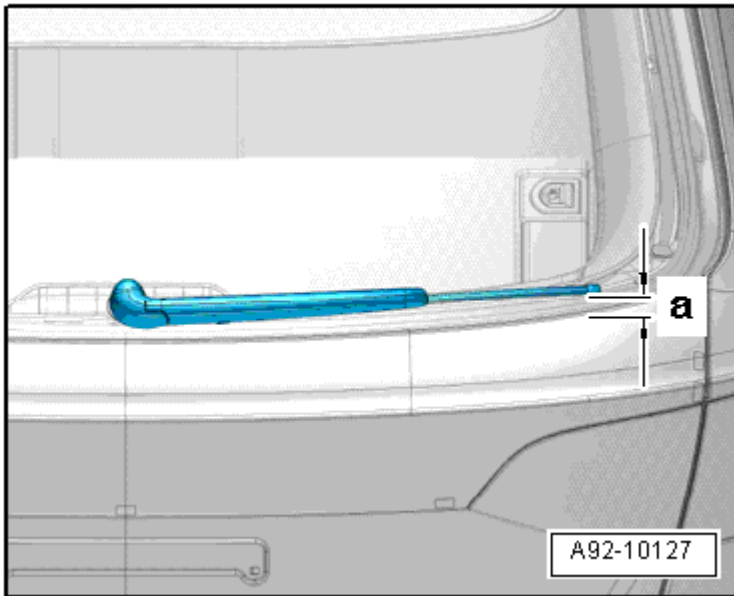


Fig. 16: Wiper Arm, Adjusting
Courtesy of AUDI OF AMERICA, LLC

-- Position the wiper arm with the wiper blade installed at the wiper axis and align the wiper blade at the rear window as follows:

- Dimension -a- = 19 ± 5 mm.

NOTE: **Dimension is the gap between the tip of the wiper blade and the lower edge of the window.**

-- Tighten the wiper arm nut.

- Tightening specification, refer to **WIPER AND MOTOR OVERVIEW**.

-- Turn on the ignition.

-- Activate the "rear wipe" and let the wiper arm run to the end position.

-- Check the adjustment of the wiper arm again, correct if necessary.

SPRAY NOZZLE, ADJUSTING

Special tools and workshop equipment required

- Windshield Washer Aiming Tool T40187 equipped with Replacement Tip 3125/5A

Procedure

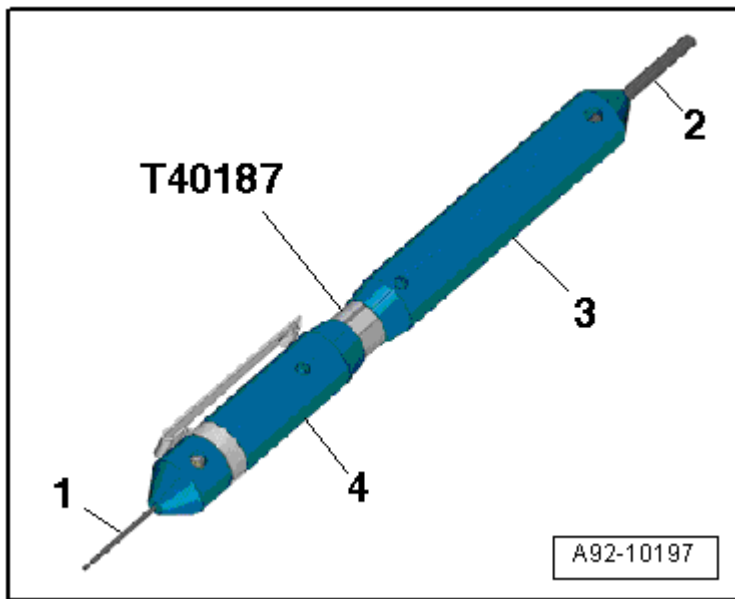


Fig. 17: T40187

Courtesy of AUDI OF AMERICA, LLC

WARNING: Risk of injury.

- If the T40187 is not used, ensure that both sides are always covered and secured by covers -3 and 4-.
- If one side is not secured by the cover, injury can be caused by the 3125/5A -1- or adjusting pin -2-.
- When opening each side, always ensure that the other side is not pointing toward the hand.

-- Unlock the short cover -1- on the T40187 -arrow A- and push it back -arrow B-.

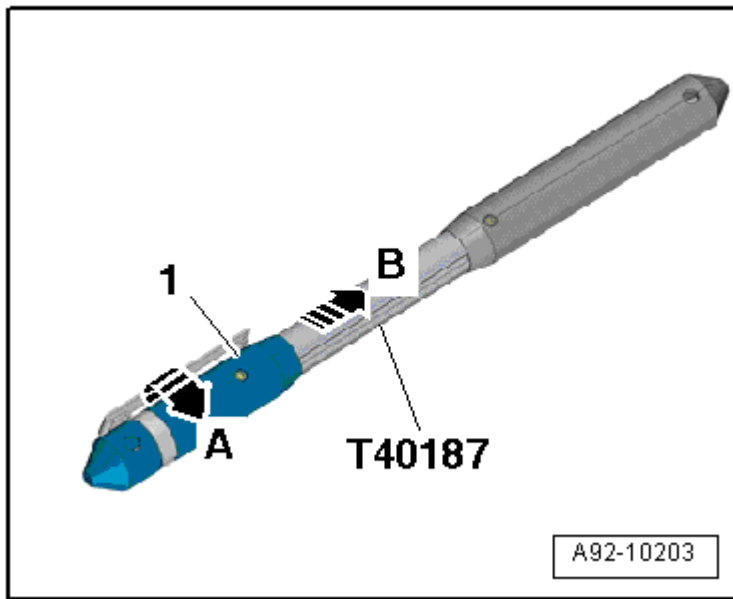


Fig. 18: Windshield Washer Aiming Tool T40187
Courtesy of AUDI OF AMERICA, LLC

-- Adjust the spray nozzles with the T40187 so that the fluid is sprayed onto the places shown on the rear window.

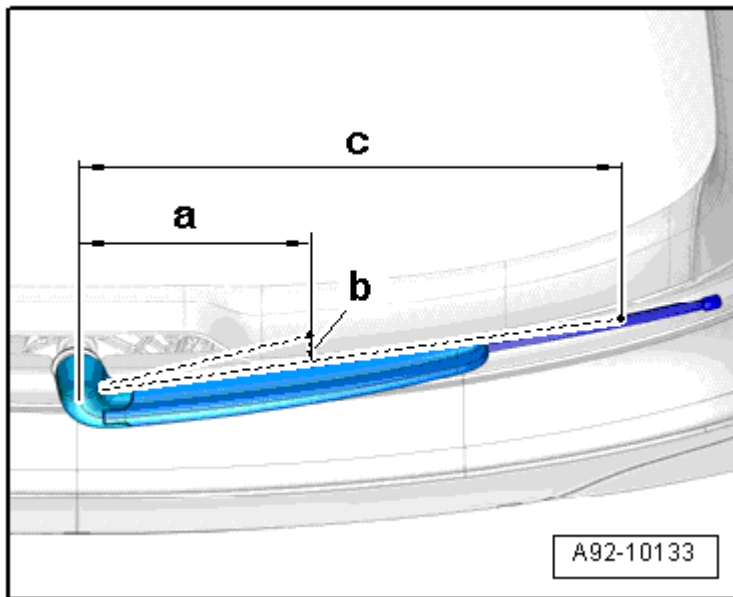


Fig. 19: Rear Windshield Wiper
Courtesy of AUDI OF AMERICA, LLC

- Dimension -a- = 150 mm
- Dimension -b- = 10 mm
- Dimension -c- = 300 mm

-- If the spray field does not correspond to the specifications, clean the dirty spray nozzle.

WARNING: Risk of injury.

- The adjusting pin must be covered and secured by the cover after each use.

Cleaning the Nozzle

-- Remove the nozzle. Refer to **SPRAY NOZZLE**.

-- Flush the nozzle opposite to the spray direction using clear water.

-- To remove any remaining impurities, the nozzle must only be blown out opposite to spray direction using compressed air.

-- If the spray field still does not correspond to the specifications, replace the spray nozzle.

SPECIFICATIONS

FASTENER TIGHTENING SPECIFICATIONS

Component	Fastener Size	Nm
Rear Window Wiper Arm to Wiper Motor Nut	-	12
Rear Window Wiper Motor to Rear Lid Nut	-	8
Windshield Wiper Arm to Wiper Motor Nut	-	17

Windshield Wiper Motor Bolt Tightening Specification and Sequence

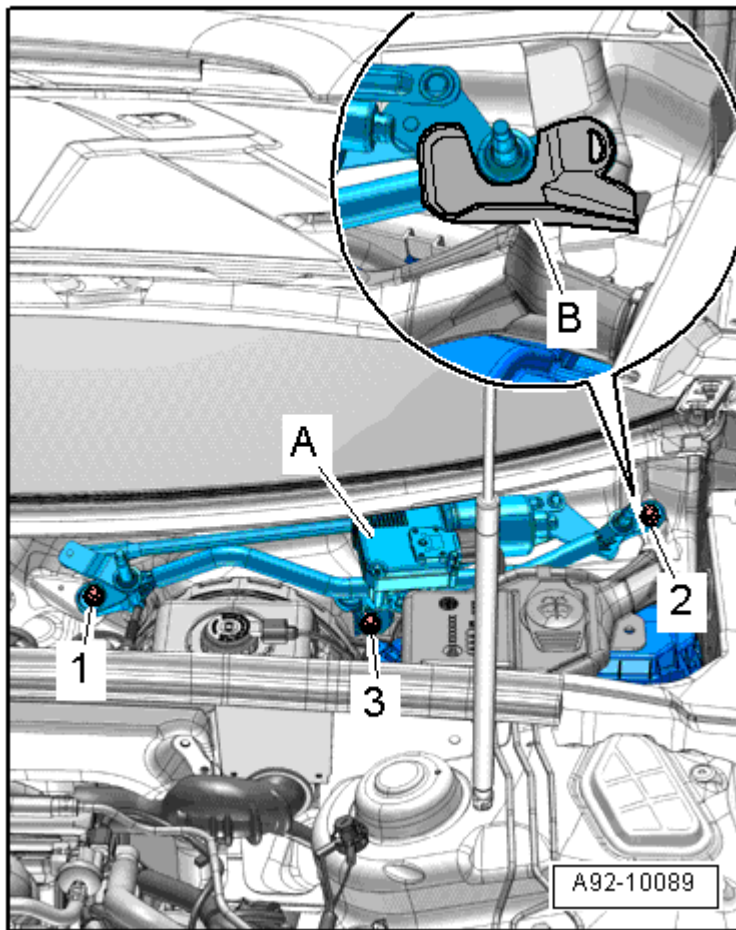


Fig. 20: Windshield Wiper Motor Bolt Tightening Specification And Sequence
Courtesy of AUDI OF AMERICA, LLC

- Tighten the bolts -1, 2, 3- in sequence in 2 stages as follows:
- Tighten the bolts by hand until seated.
- Tighten the bolts to 8 Nm.

Washer Fluid Reservoir Bolt Tightening Specifications and Sequence

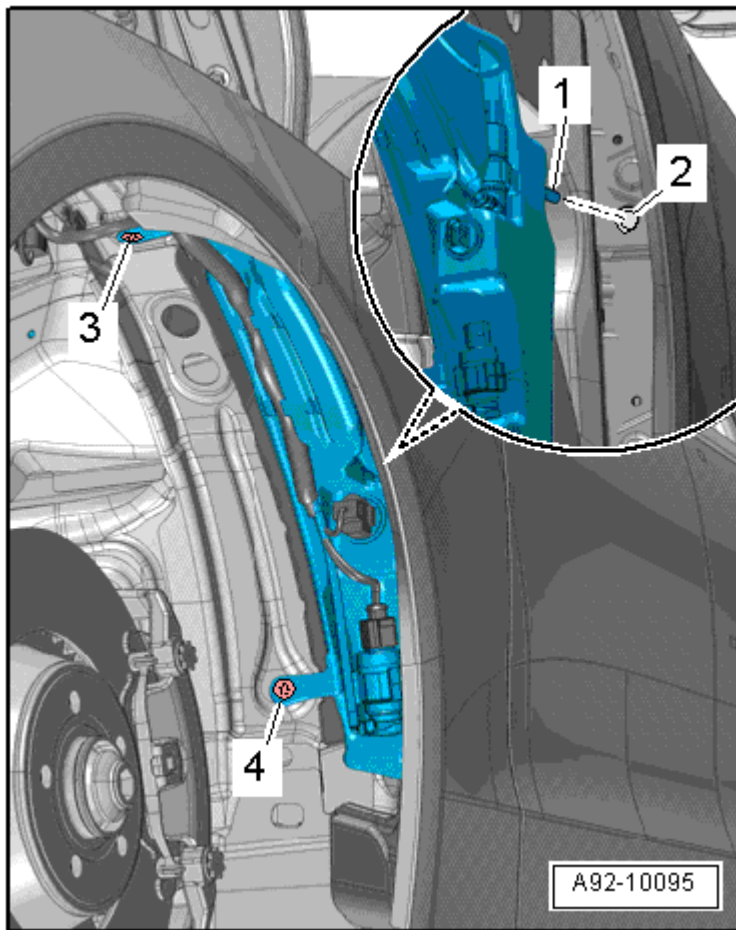


Fig. 21: Washer Fluid Reservoir Bolt Tightening Specifications And Sequence
Courtesy of AUDI OF AMERICA, LLC

-- Tighten the washer fluid reservoir bolts in the sequence specified:

-- Tighten the bolt -3- to 7 Nm.

-- Tighten the bolt -4- to 7 Nm.

REMOVAL AND INSTALLATION

HEADLAMP WASHER SYSTEM

HEADLAMP WASHER PUMP

Special tools and workshop equipment required

- Hose Clamp Pliers V.A.G 1921
- Drip Tray

Removing

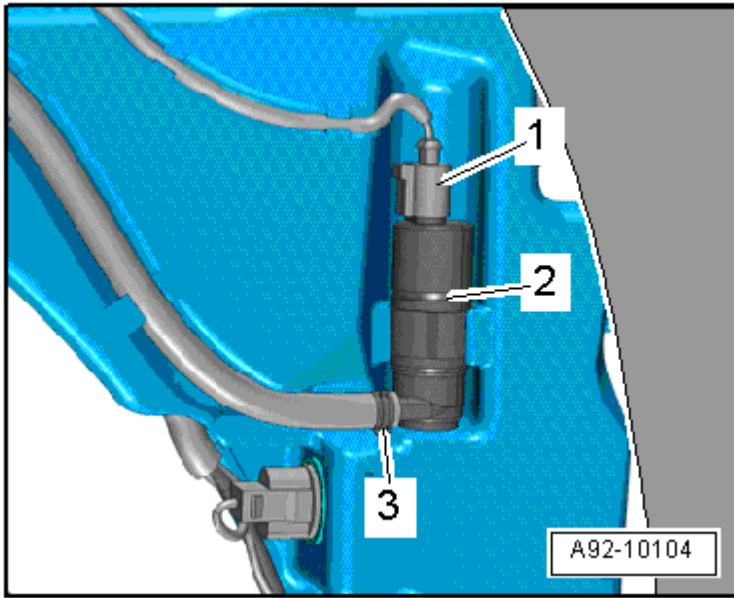


Fig. 22: Disconnecting Electrical Connector
Courtesy of AUDI OF AMERICA, LLC

- Remove the washer fluid reservoir. Refer to **WASHER FLUID RESERVOIR**, but only pull it out until the headlamp washer pump -V11- is accessible.
- Place a drip tray under the windshield washer fluid reservoir.
- Disconnect the electrical connector -1-.
- Remove the washer fluid hose -3- from the headlamp washer pump.
- Remove the headlamp washer pump -item 2- upward out of the washer fluid reservoir.

Installing

Install in reverse order of removal, observing the following:

NOTE: **Secure all hose connections using standard hose clamps.**

- Check the sealing grommet for damage.
- Install the washer fluid reservoir. Refer to **WASHER FLUID RESERVOIR**.

WASHER FLUID RESERVOIR

NOTE: **The shared windshield and headlamp washer system washer fluid reservoir is located in the left rear wheel housing. Removing and installing, refer to WASHER FLUID RESERVOIR.**

SPRAY NOZZLES

Special tools and workshop equipment required

- Hose Clamps Up to 25 mm Diameter 3094

Removing

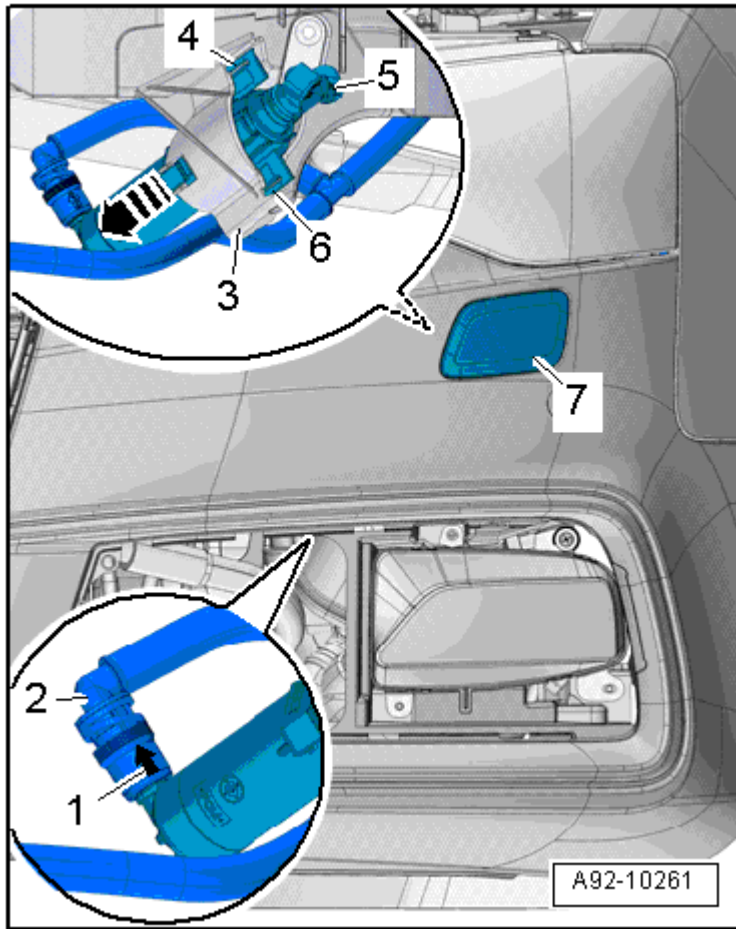


Fig. 23: Opening Cover For Spray Nozzle
Courtesy of AUDI OF AMERICA, LLC

- Remove the air intake grille. Refer to **Removal and Installation** .
- Open the cover -7- for the spray nozzle.
- Press down the tension springs -4, 6- with a flathead screwdriver to release the spray nozzle -5-.
- Remove the spray nozzle from the mount -3- towards the rear -arrow-.
- Clamp off the windshield washer fluid hose -1- with hose clamps 3094.

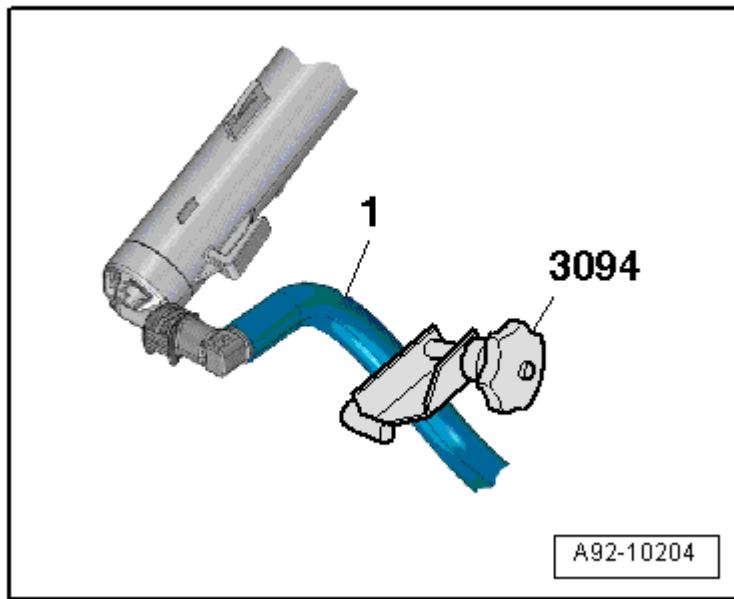


Fig. 24: Hose Clamps 3094

Courtesy of AUDI OF AMERICA, LLC

NOTE: Lay a cloth under the point of separation to catch any washer fluid.

-- Pull the release button -1- to remove the washer fluid hose -2-.

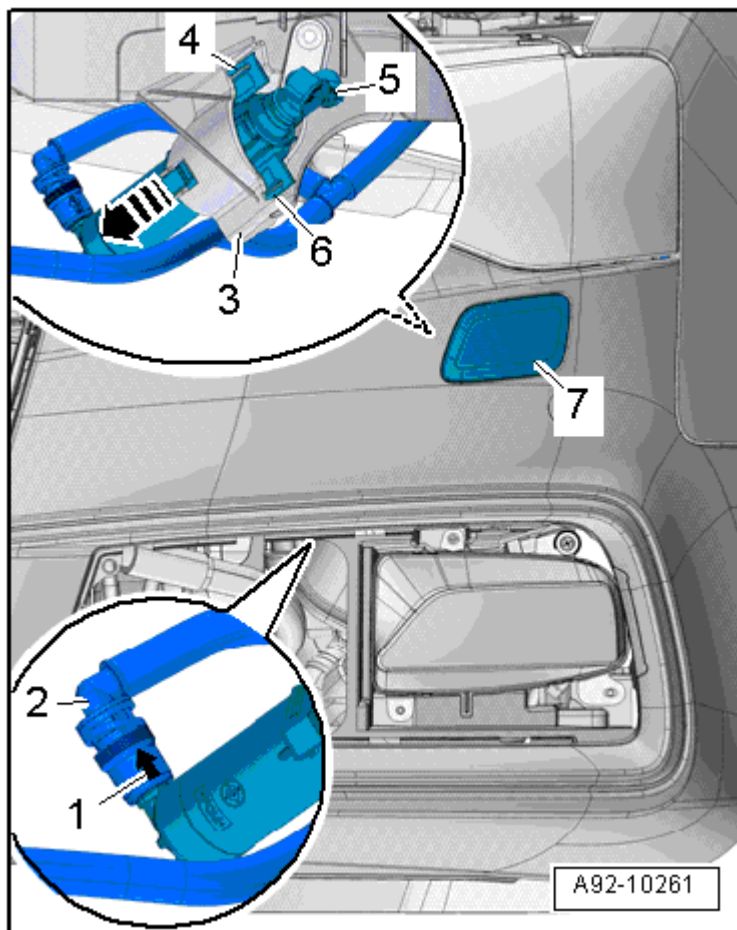


Fig. 25: Pulling Release Button To Remove Washer Fluid Hose

Courtesy of AUDI OF AMERICA, LLC

NOTE: If the spray nozzle cannot be removed depending on the vehicle equipment level, then remove the corresponding headlamp housing. Remove the headlamp housing:

- Halogen Headlamps: through MY 12, refer to HEADLAMP , from MY 13, refer to HEADLAMP .
- HID Headlamps: through MY 2012, refer to HEADLAMP ; from MY 2013, refer to HEADLAMP .

Installing

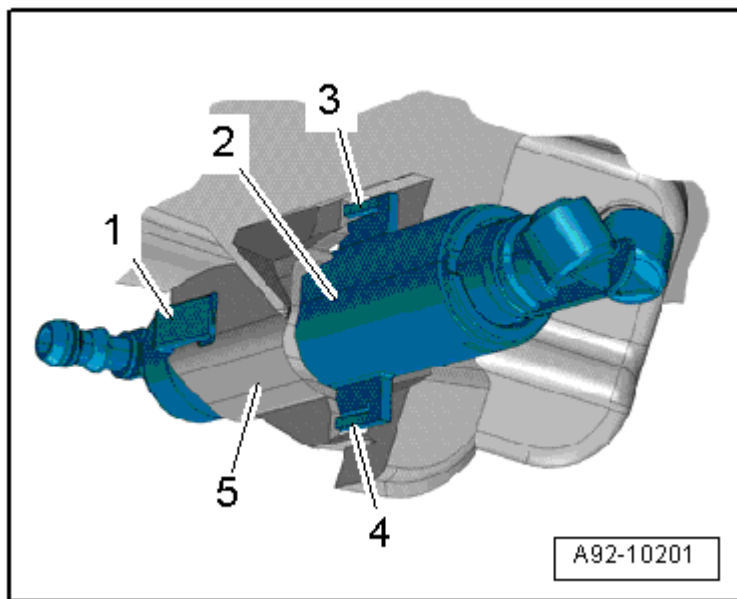


Fig. 26: Identifying Spray Nozzle Installation
Courtesy of AUDI OF AMERICA, LLC

Install in reverse order of removal, observing the following:

- The retaining springs -3 and 4- on the spray nozzle -2- can only engage audibly if the side guide -1- is seated correctly in the mount -5-.
- Install the air intake grille. Refer to **Removal and Installation** .

WINDSHIELD WIPER AND WASHER SYSTEM

Observe the notes on contact corrosion. Refer to **CONTACT CORROSION**.

WIPER BLADE, REPLACING

Removing

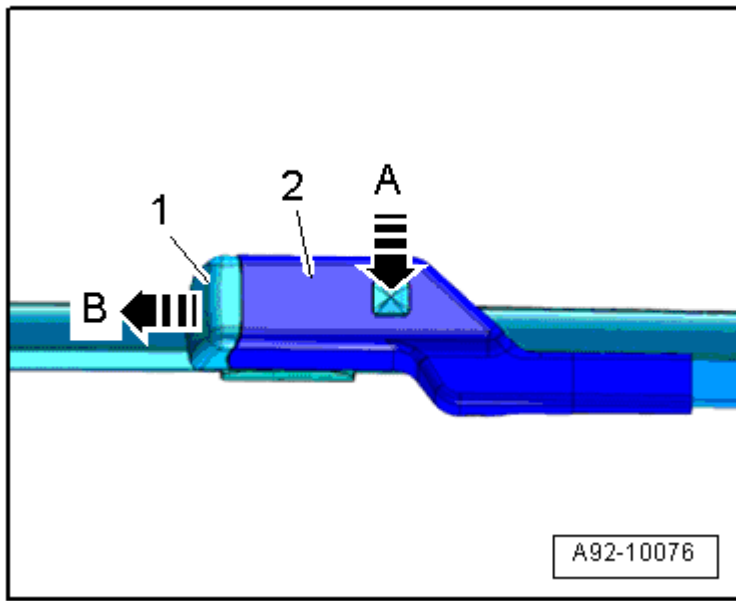


Fig. 27: Bringing Windshield Wiper Into Service Position
Courtesy of AUDI OF AMERICA, LLC

-- Bring windshield wiper into the service position. Refer to **WIPERS, BRINGING INTO SERVICE POSITION**.

- Lift off the wiper arm from the front windshield.
- Press the retaining clip -arrow A-.
- Push the wiper blade -1- off the wiper arm -2- -arrow B-.
- Remove the wiper blade.

Installing

CAUTION: There is a risk of damaging the body.

- The driver and passenger side wiper blades are different lengths.

Install in reverse order of removal, observing the following:

- Guide the wiper blade -1- parallel into the wiper arm -2- -arrow-. Slide the wiper blade on until the retaining clips engage in the wiper arm.

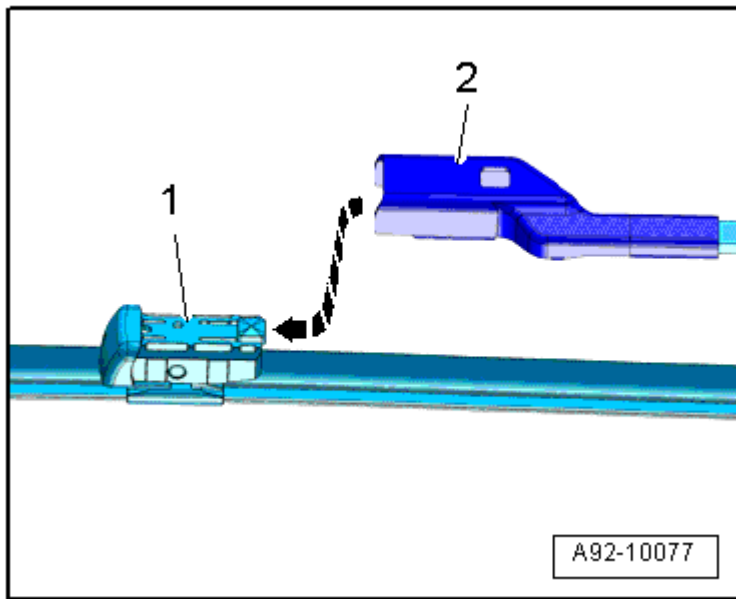


Fig. 28: Guiding Wiper Blade Parallel Into Wiper Arm
Courtesy of AUDI OF AMERICA, LLC

-- If the windshield wiper switch is operated or a speed of 6 km/h (4 mph) is exceeded, the wipers leave the "service position".

WIPER ARMS

Special tools and workshop equipment required

- Puller T10369

Removing

NOTE: If the windshield wiper motor is to be run during this procedure, the hood must be closed, otherwise the voltage supply of the wiper motor will be interrupted.

-- Bring the windshield wiper into the service position. Refer to WIPERS, BRINGING INTO SERVICE POSITION.

-- Turn off the ignition and remove the ignition key.

-- Using a screwdriver, pry the caps -arrows- off the wiper arms -1-.

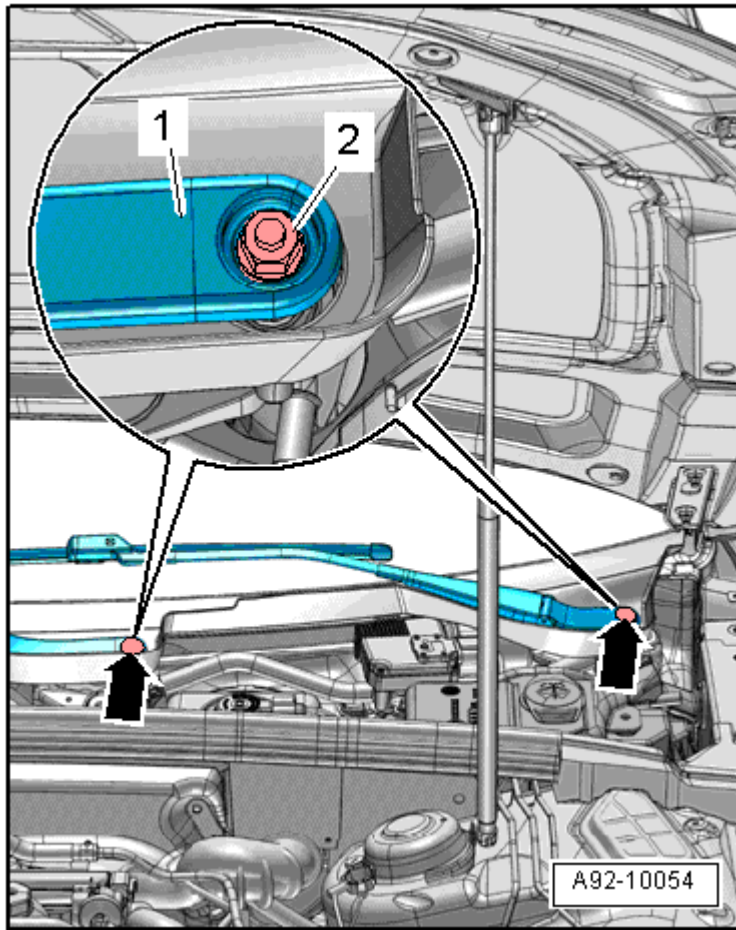


Fig. 29: Identifying Nuts For Wiper Arms
Courtesy of AUDI OF AMERICA, LLC

- Loosen the nut -2- several turns.
- Install the T10369/1 on the wiper arm -1- as illustrated.

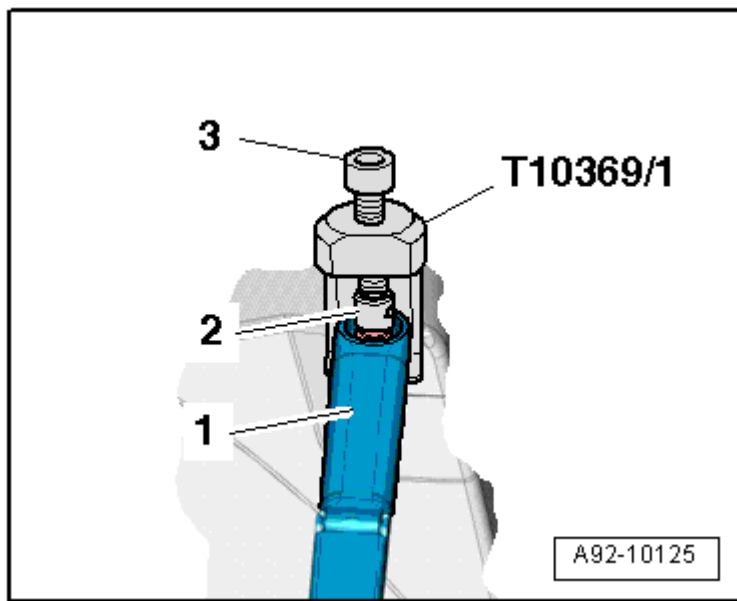


Fig. 30: Removing Windshield Wiper Arm With Puller T10369/1
Courtesy of AUDI OF AMERICA, LLC

- Position the thrust piece -2- on the wiper axis.
- Rotate the bolt -3- clockwise until the wiper arm is removed from the axis.
- Remove the nut completely and remove the wiper arm.

Installing

CAUTION: There is a risk of damaging the body.

- The driver and passenger side wiper arms are different lengths.

Install in reverse order of removal, observing the following:

- Adjust the wiper arms. Refer to **WIPER ARM, ADJUSTING**.

WIPER MOTOR WITH WIPER MOTOR CONTROL MODULE

Special tools and workshop equipment required

- Removal Lever 80-200

Removing

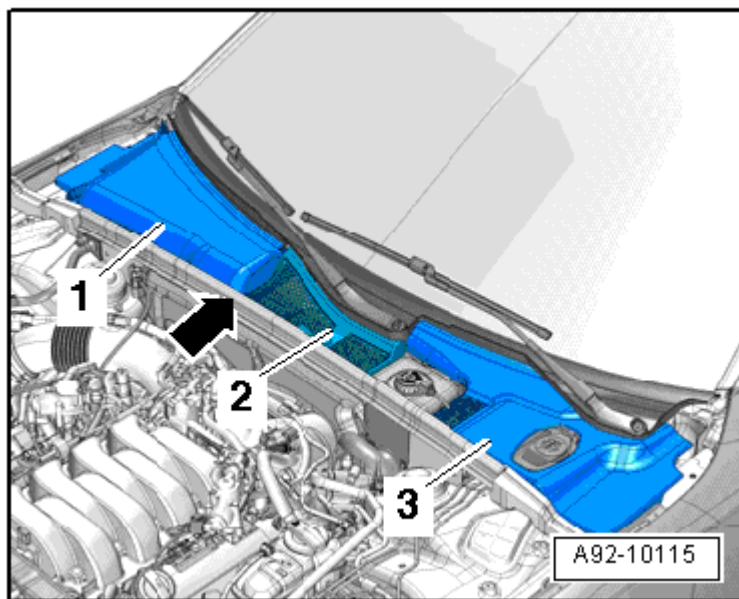


Fig. 31: Removing Plenum Chamber Covers
Courtesy of AUDI OF AMERICA, LLC

-- Remove the wiper arms. Refer to WIPER ARMS.

Vehicles through 05.08

-- Remove the seal -arrow-.

-- Unclip the plenum chamber cover -1 through 3- and remove it.

Vehicles from 06.08

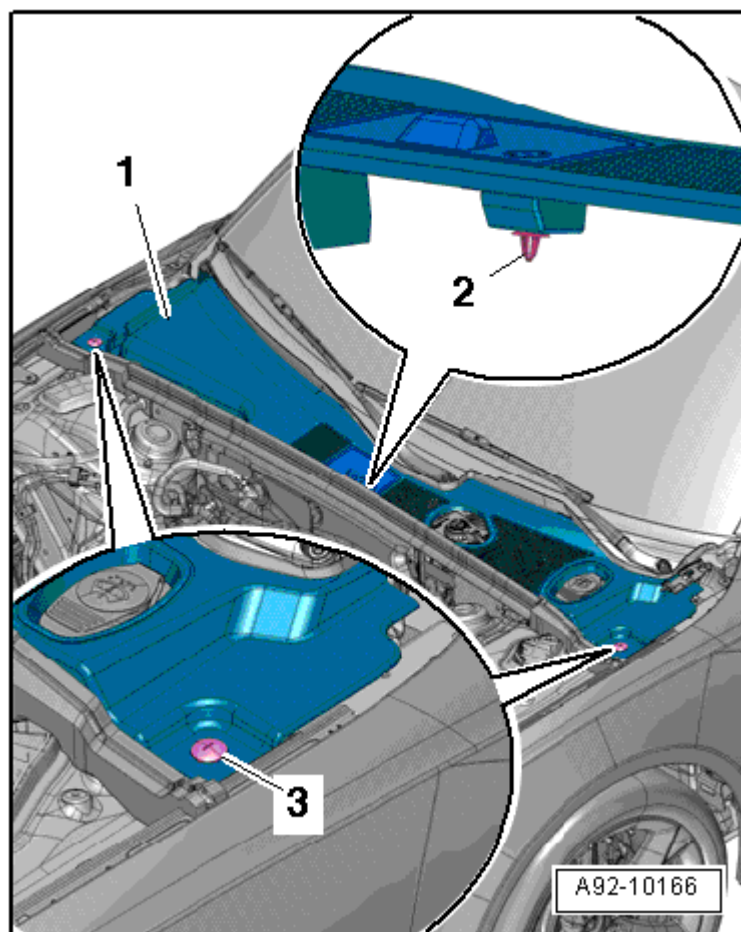


Fig. 32: Removing Plenum Chamber Cover
Courtesy of AUDI OF AMERICA, LLC

-- Remove the bolts -3-.

-- Remove the clips -2- from the mounts and remove the plenum chamber cover -1-.

Continuation for All Vehicles

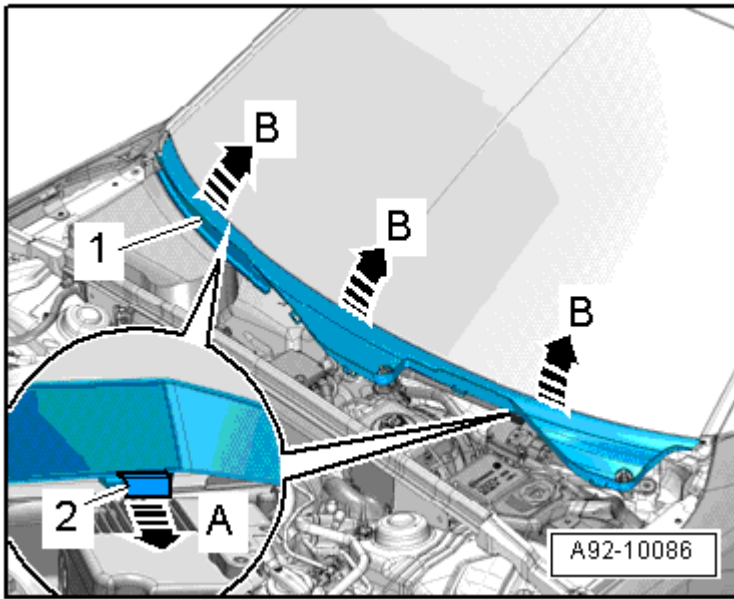


Fig. 33: Removing Clips From Mounts And Removing Plenum Chamber Cover
Courtesy of AUDI OF AMERICA, LLC

-- Remove the securing clips -2- -arrow A-.

CAUTION: The cowl panel trim could be damaged.

- Coat the transition between the windshield and cowl panel trim with some soapy water and carefully pull the cowl panel trim -1- vertically out of the retainer on the windshield -B arrows- beginning at the edge of the window.

-- Remove the cowl panel trim -1- by carefully removing it from the retainer on the windshield -B arrows-.

-- Disconnect the electrical connector -2-.

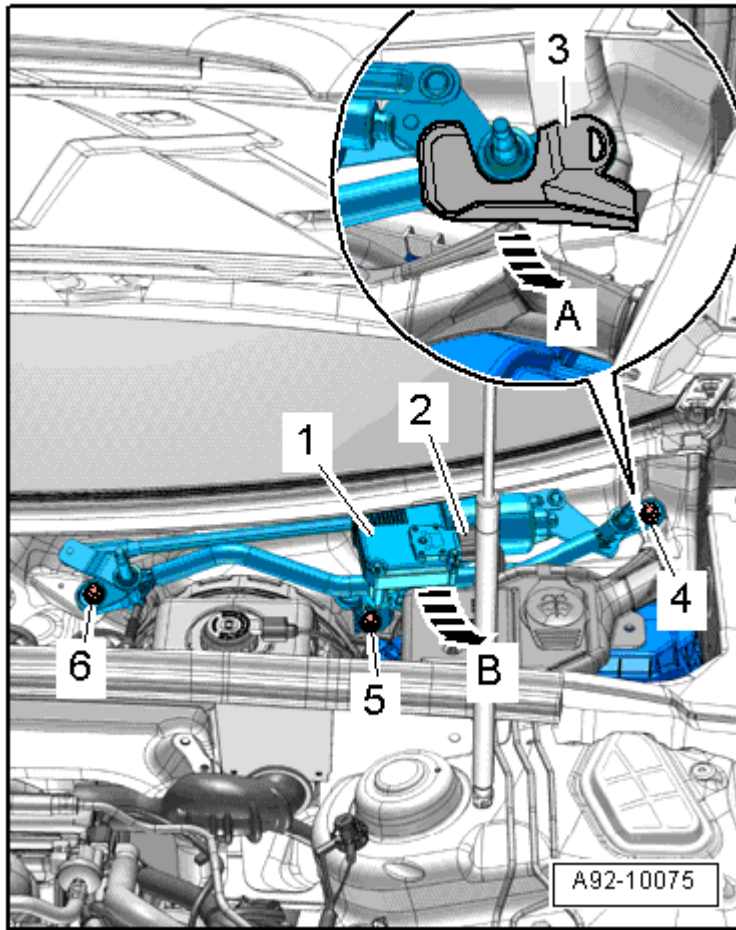


Fig. 34: Removing Cowl Panel Trim

Courtesy of AUDI OF AMERICA, LLC

- Remove the drain channel -3- on the linkage -arrow A-.
- Remove the bolts -4, 5 and 6-.
- Rotate the wiper arm frame -1- with the linkage and wiper motor upward -arrow B- and pull it forward out of the plenum chamber.

Installing

- Tightening specifications, refer to **Windshield Wiper Motor - Tightening Specification and Sequence.**

Install in reverse order of removal, observing the following:

- Insert the wiper motor with wiper frame into vehicle.
- Tighten the bolts, refer to **WIPER SYSTEM OVERVIEW.**
- Position the water drain channel on the wiper motor.

-- Adjust the wiper arms. Refer to **WIPER ARM, ADJUSTING**.

WIPER MOTOR WITH WIPER MOTOR CONTROL MODULE, REPLACING

Procedure

-- If the control module was replaced, select the "Replace" function for the respective control module in "Guided Fault Finding" or "Guided Functions" using the Vehicle Diagnostic Tester.

WASHER FLUID RESERVOIR FILLER NECK

Removing

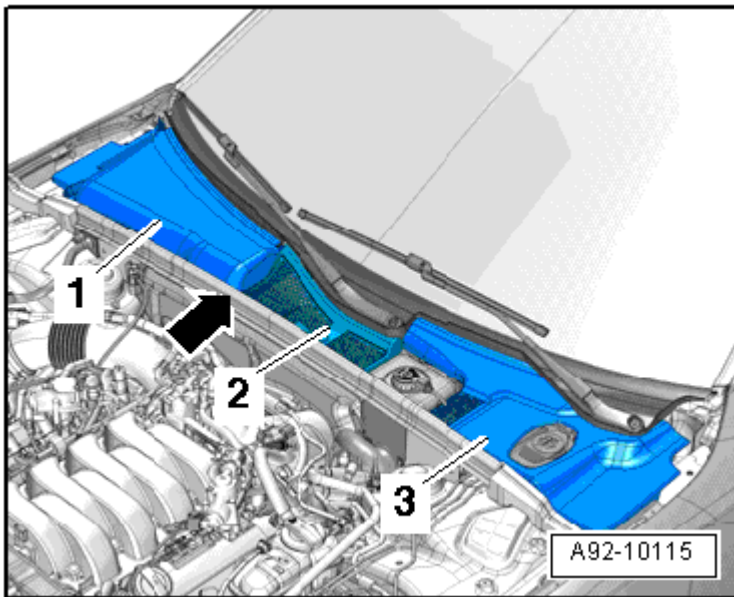


Fig. 35: Removing Plenum Chamber Covers
Courtesy of AUDI OF AMERICA, LLC

Vehicles through 05.08

- Remove the seal -arrow- near the windshield wiper fluid reservoir filler tube.
- Unclip the plenum chamber cover -3- and remove it.

NOTE: Ignore items -1 and 2-.

Vehicles from 06.08

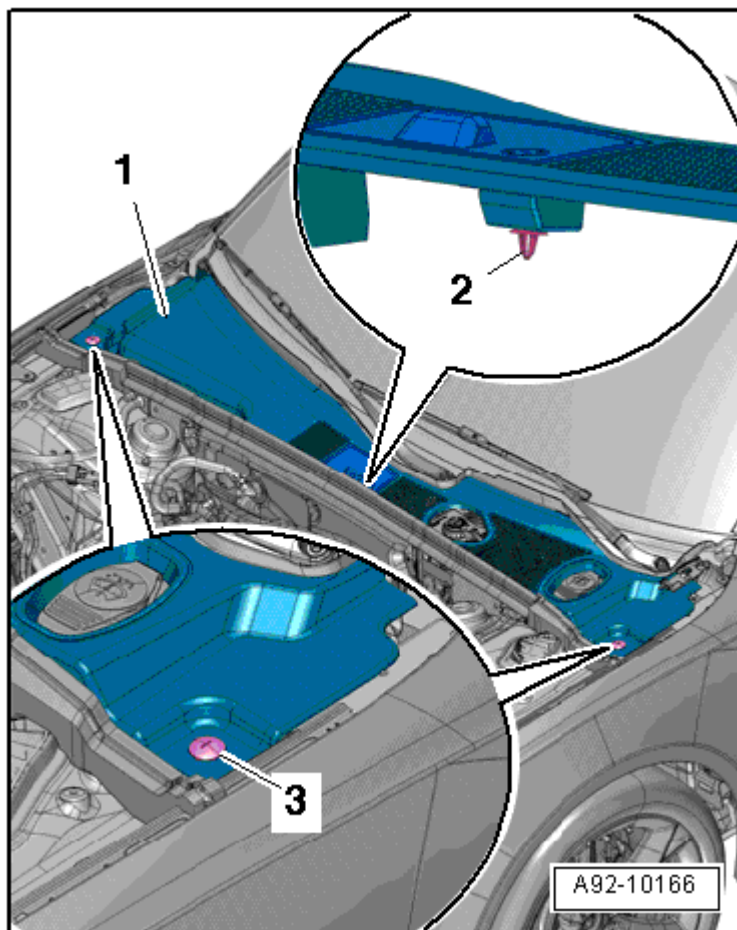


Fig. 36: Removing Plenum Chamber Cover
Courtesy of AUDI OF AMERICA, LLC

-- Remove the bolts -3-.

-- Remove the clips -2- from the mounts and remove the plenum chamber cover -1-.

Continuation for All Vehicles

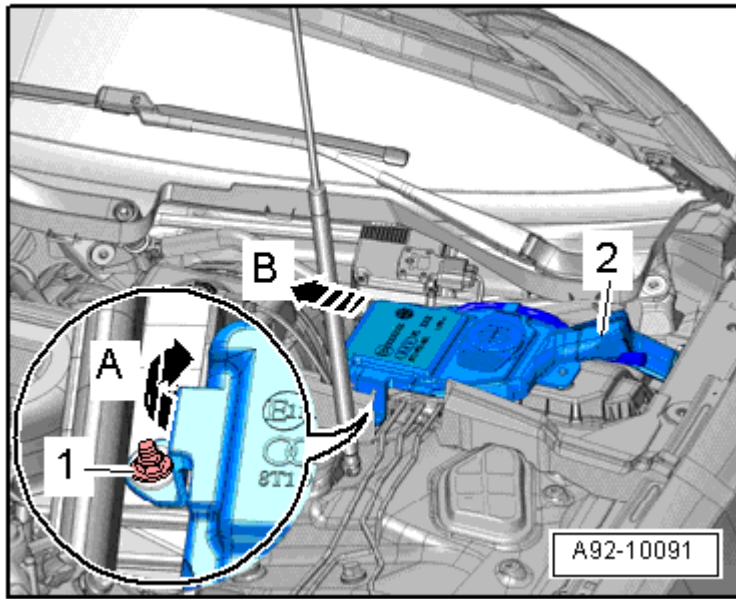


Fig. 37: Removing Filler Neck With Filler Tube From Washer Fluid Reservoir And Opening In Body
 Courtesy of AUDI OF AMERICA, LLC

- Remove the nut -1- and tilt the washer fluid reservoir filler neck back slightly -arrow A-.
- Remove the filler neck -2- with filler tube from the washer fluid reservoir and the body opening -arrow B-.

Installing

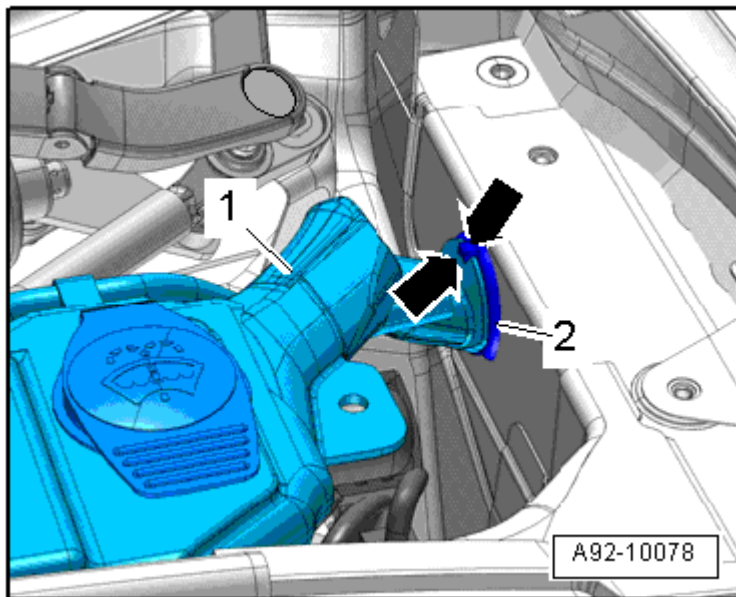


Fig. 38: Removing Filler Neck With Filler Tube From Washer Fluid Reservoir And Body Opening
 Courtesy of AUDI OF AMERICA, LLC

- Tightening specifications, refer to WASHER FLUID RESERVOIR, HOSES AND NOZZLES

OVERVIEW.

Install in reverse order of removal, observing the following:

- Slide the sealing grommet -2- on the filler neck tube -1- as far as the stop.
 - The tab must lie in the opening on the filler tube -arrows-.
- Slide the filler neck into the washer fluid reservoir.

NOTE: **Make sure the O-ring is not crushed when sliding it into the washer fluid reservoir.**

WASHER FLUID RESERVOIR**Special tools and workshop equipment required**

- Drip Tray

Removing

- turn off the ignition and remove the ignition key.
- Remove the washer fluid reservoir filler neck. Refer to **WASHER FLUID RESERVOIR FILLER NECK.**
- Remove the left front wheel.
- Remove the left front wheel housing liner. Refer to **Removal and Installation** .
- Place a drip tray under the windshield washer fluid reservoir.

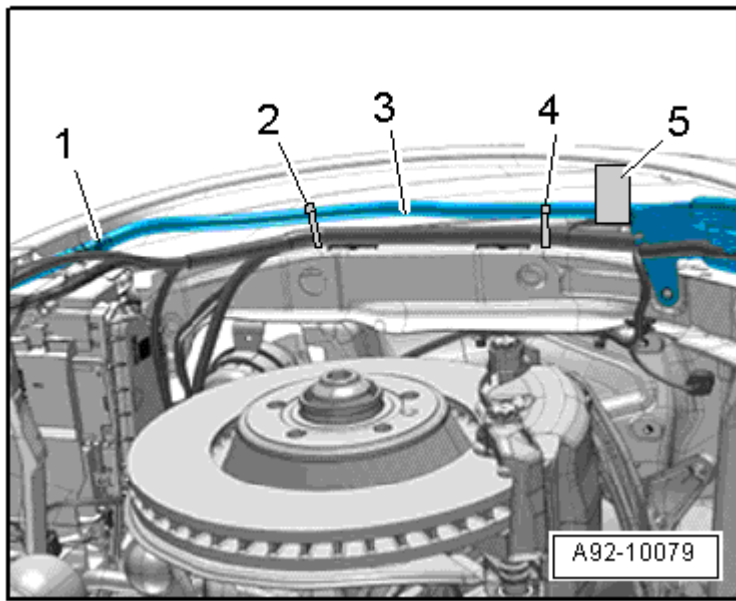


Fig. 39: Removing Hose Coupling -1- From Headlamp Washer System Fluid Line -3- By Pulling Release Button

Courtesy of AUDI OF AMERICA, LLC

- Remove the hose coupling -1- from the headlamp washer system fluid line -3- by pulling the release button.
- Cut through the cable ties -2 and 4-.
- Remove the plastic wedge -5-.
- Disconnect the electrical connectors -7 and 8-.

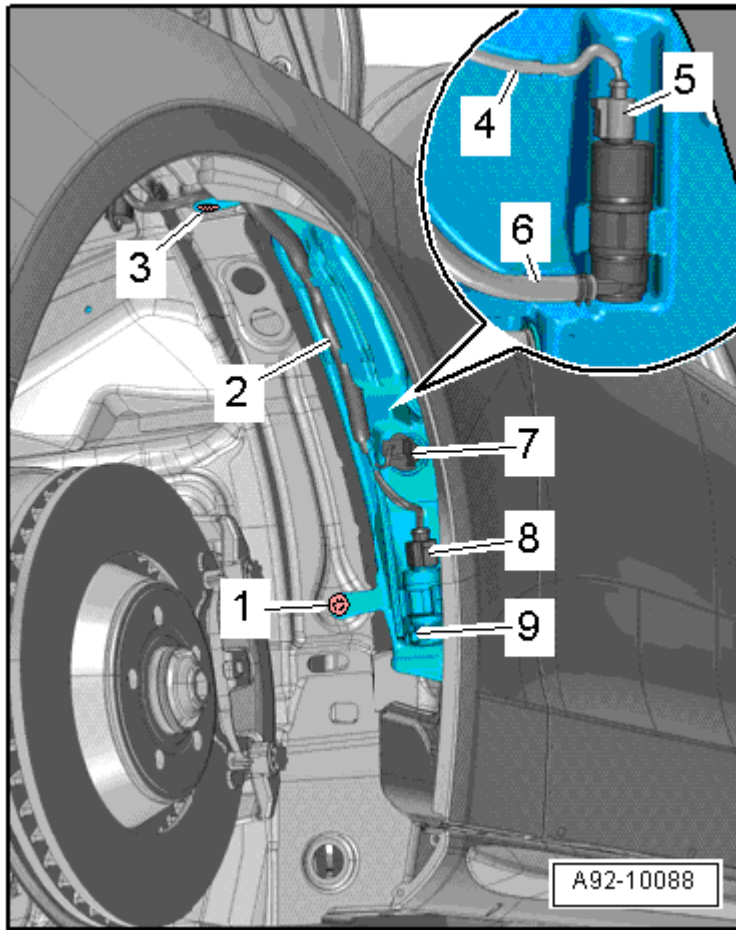


Fig. 40: Disconnecting Electrical Connectors

Courtesy of AUDI OF AMERICA, LLC

- Release the securing clip and remove the washer fluid lines from the windshield washer system washer fluid pump -9-.
- Loosen the wiring harness -2- from the mounts on the washer fluid reservoir.
- Remove the bolts -1 and 3-.
- Pull the washer fluid reservoir forward slightly and out.
- Disconnect the electrical connector -5-.
- Loosen the headlamp washer system fluid hose -6- and wiring harness -4- from the mounts on the washer fluid reservoir.
- Remove the washer fluid reservoir.

Installing

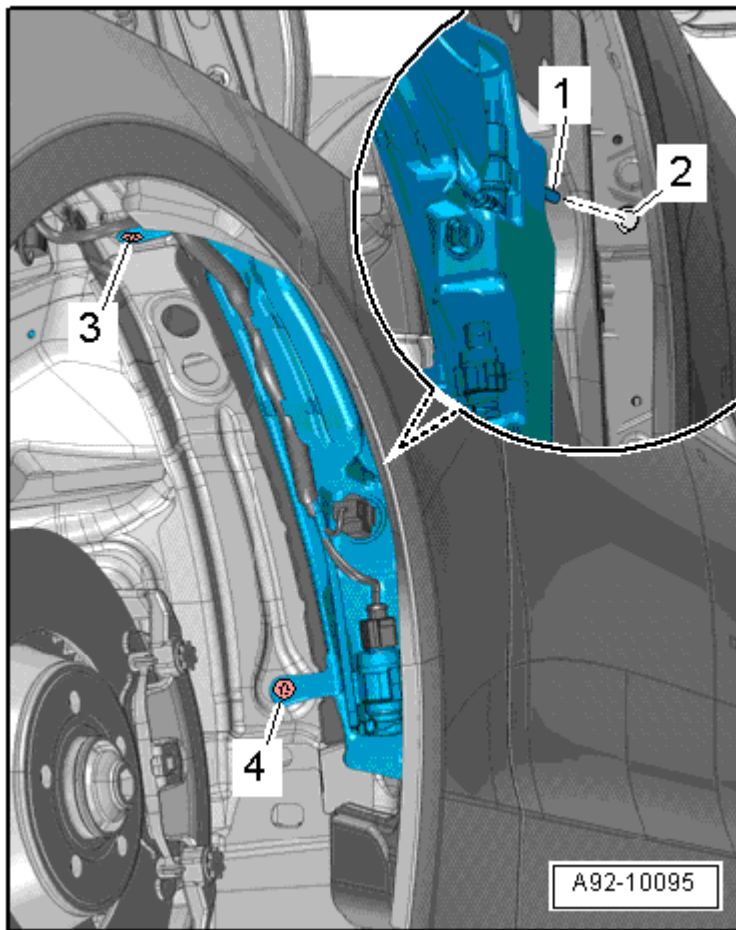


Fig. 41: Removing Bolts

Courtesy of AUDI OF AMERICA, LLC

- Tightening specifications and sequence, refer to **WASHER FLUID RESERVOIR, HOSES AND NOZZLES OVERVIEW**.

-- When installing the washer fluid reservoir, make sure the securing tab -1- engages in the mount -2- on the fender.

Install in reverse order of removal, observing the following:

- Install the left front wheel house liner. Refer to **Removal and Installation** .
- Install the washer fluid reservoir filler neck. Refer to **WASHER FLUID RESERVOIR FILLER NECK**.

WASHER FLUID LEVEL SENSOR -G33-

Special tools and workshop equipment required

- Drip Tray

Removing

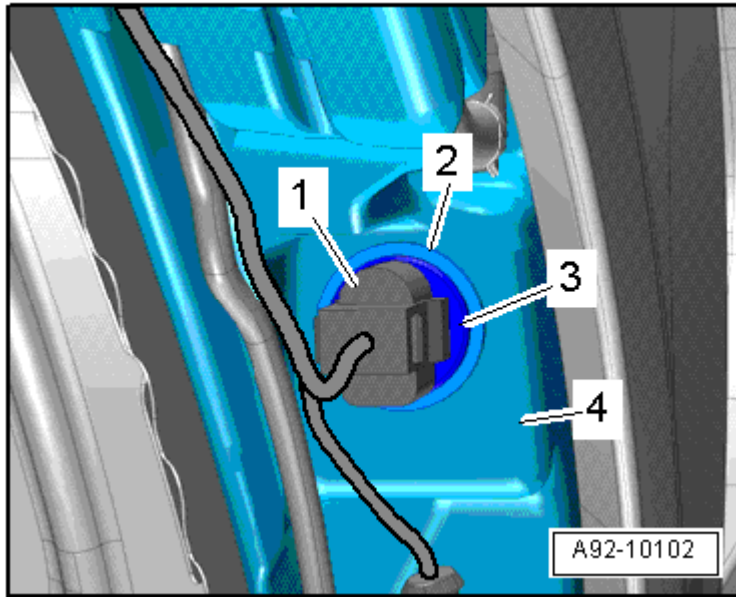


Fig. 42: Identifying Washer Fluid Level Sensor

Courtesy of AUDI OF AMERICA, LLC

- Turn off the ignition and remove the ignition key.
- Remove the left front wheel.
- Remove the left front wheel housing liner. Refer to **Removal and Installation** .
- Disconnect the electrical connector -1-.
- Place a drip tray under the windshield washer fluid reservoir.
- Remove the windshield washer fluid level sensor -item 3- from the washer fluid reservoir -4-.

Installing

Install in reverse order of removal, observing the following:

- Check the sealing grommet -2- for damage.
- Install the left front wheel house liner. Refer to **Removal and Installation** .

WINDSHIELD WASHER PUMP -V5-

Special tools and workshop equipment required

- Drip Tray

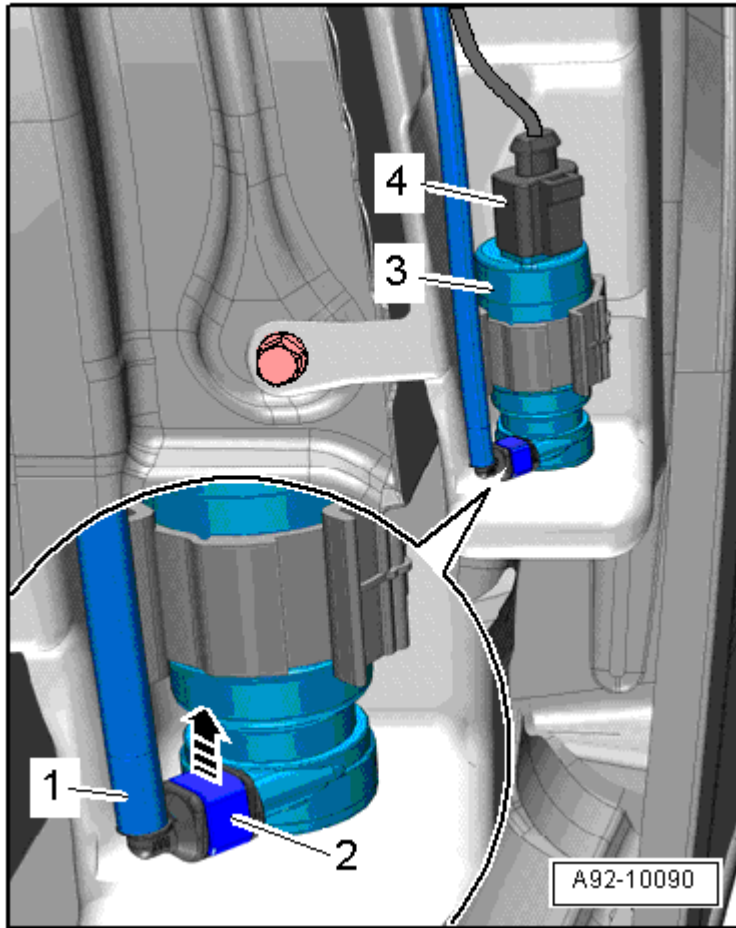
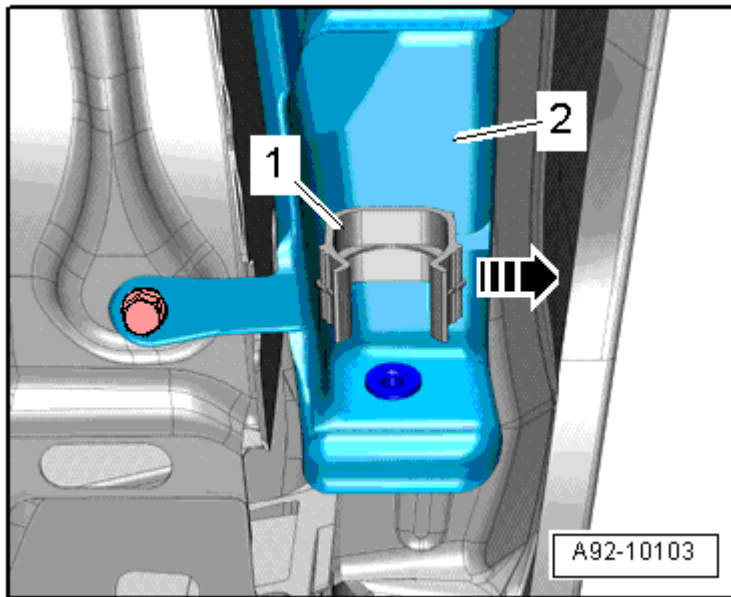
Removing

Fig. 43: Disconnecting Electrical Connector
Courtesy of AUDI OF AMERICA, LLC

- Turn off the ignition and remove the ignition key.
- Remove the left front wheel.
- Remove the left front wheel housing liner. Refer to **Removal and Installation** .
- Disconnect the electrical connector -4-.
- Place a drip tray under the windshield washer fluid reservoir.
- Release the securing clip -2- in the -direction of the arrow- and remove the washer fluid line -1- from the windshield washer system washer fluid pump.
- Remove the windshield washer pump -item 3- upward out of the washer fluid reservoir.

NOTE: Replace the windshield washer pump bracket if it is damaged.



**Fig. 44: Pressing Damaged Bracket -1- Out Of Mount In Washer Fluid Reservoir -2- Toward Outside Of Vehicle -Arrow-
Courtesy of AUDI OF AMERICA, LLC**

Press the damaged bracket -1- out of the mount in the washer fluid reservoir -2- toward the outside of the vehicle -arrow- using a screwdriver.

Installing

Install in reverse order of removal, observing the following:

- Check the sealing grommet for damage.
- Install left front wheel house liner. Refer to **Removal and Installation** .

SPRAY NOZZLES

Removing

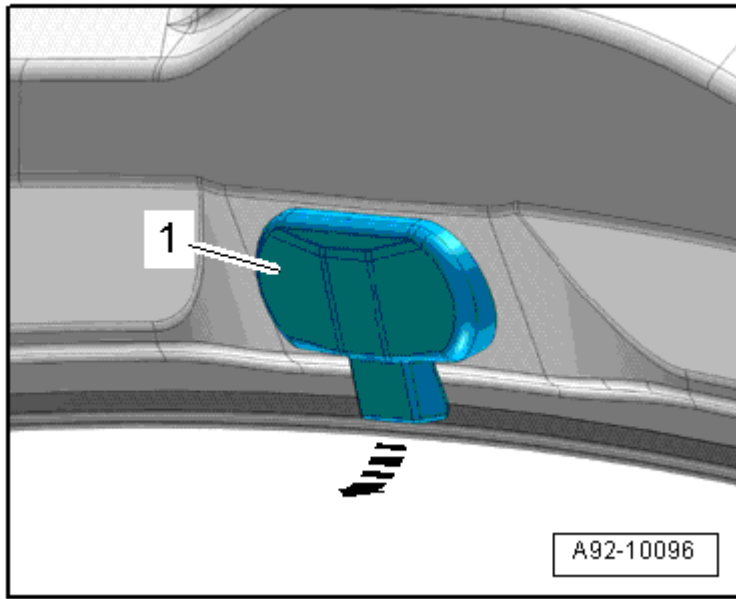


Fig. 45: Unclipping Windshield Washer Spray Nozzle Downward From Hood
Courtesy of AUDI OF AMERICA, LLC

-- Unclip the windshield washer spray nozzle -1- downward from the hood -arrow-.

-- Release the securing clip -3- in the -direction of the arrow- and remove the washer fluid line -1- from the windshield washer system spray nozzle.

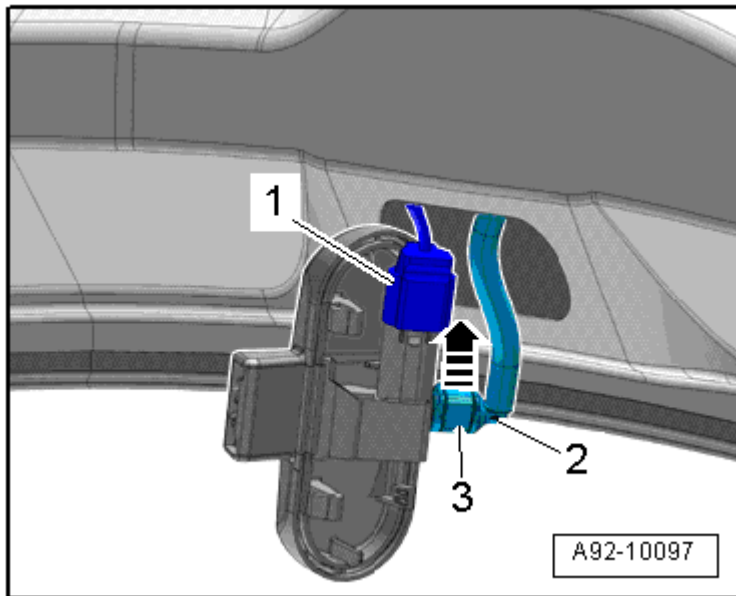


Fig. 46: Releasing Securing Clip And Removing Washer Fluid Line From Windshield Washer System Spray Nozzle
Courtesy of AUDI OF AMERICA, LLC

-- Disconnect the electrical harness connector -1-, if present.

Installing

Install in reverse order of removal, observing the following:

- Make sure the securing clip engages audibly in the washer line connection when connecting the line.
- Install the spray nozzle into the hood.

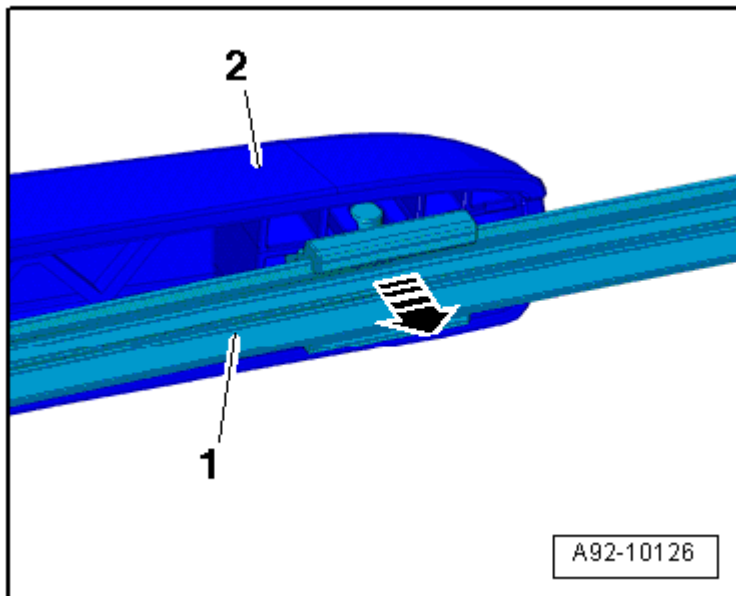
REAR WINDOW WIPER AND WASHER SYSTEM**WIPER BLADE****Removing**

Fig. 47: Pulling Wiper Blade Down Out Of Wiper Arm
Courtesy of AUDI OF AMERICA, LLC

- Lift off the wiper arm from the rear window.
- Pull the wiper blade -1- down out of the wiper arm -2- -arrow-.

Installing

Install in reverse order of removal, observing the following:

- Wiper blade must audibly engage in the wiper arm.

WIPER ARM

Special tools and workshop equipment required

- Puller T10369

Removing

- Turn on the ignition.
- Activate the "rear wiper" and let the wiper arm run to the end position.
- Turn off the ignition and remove the ignition key.
- Carefully expand the cap -arrows- and remove it.

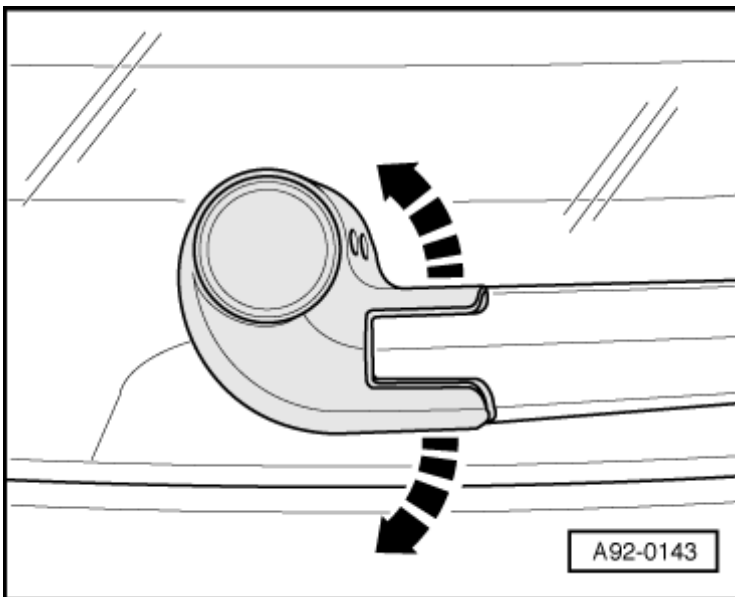


Fig. 48: Identifying Cover

Courtesy of AUDI OF AMERICA, LLC

- Carefully pull off the nozzle -2-.

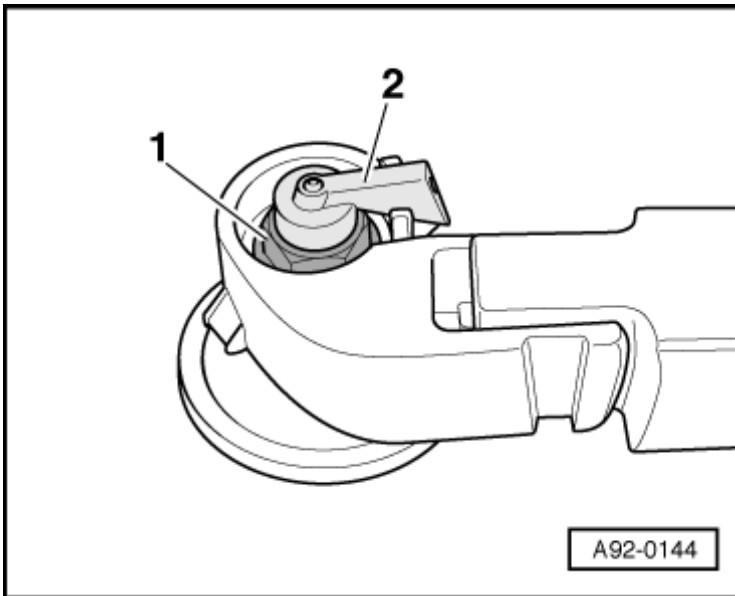


Fig. 49: Identifying Spray Jets And Hex Head Nuts
Courtesy of AUDI OF AMERICA, LLC

- Loosen the nut -1- one turn.
- Place an M6 nut -4- on the nut.

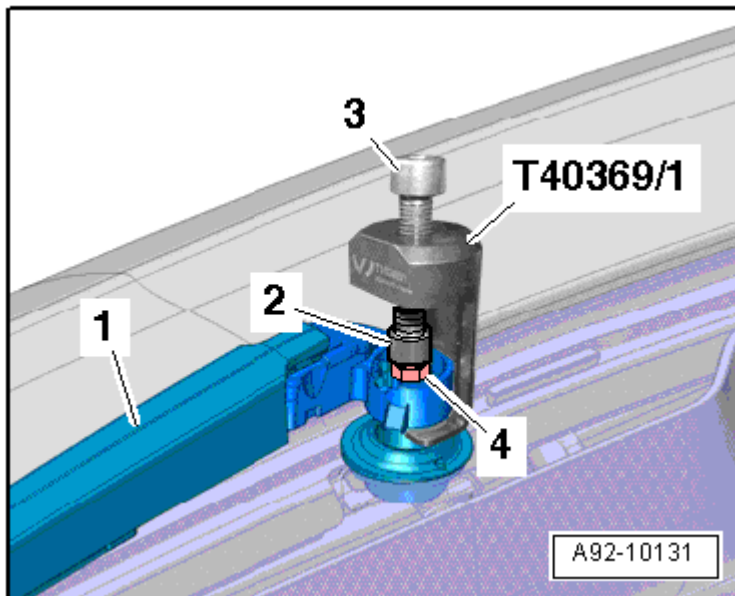


Fig. 50: Positioning Puller T10369/1 On Wiper Arm
Courtesy of AUDI OF AMERICA, LLC

- Position the T10369/1 on the wiper arm -1- as illustrated.
- Position the thrust piece -2- on the wiper axis.

- Rotate the bolt -3- clockwise until the wiper arm is removed from the axis.
- Remove the nut completely and remove the wiper arm.

Installing

Install in reverse order of removal, observing the following:

- Adjust the wiper arm. Refer to **WIPER ARM, ADJUSTING**.

REAR WINDOW WIPER MOTOR -V12-

Removing

- Remove the wiper arm. Refer to **WIPER ARM**.
- Remove the lower luggage compartment lid trim. Refer to **Removal and Installation**.
- Disconnect the electrical connector -2-.

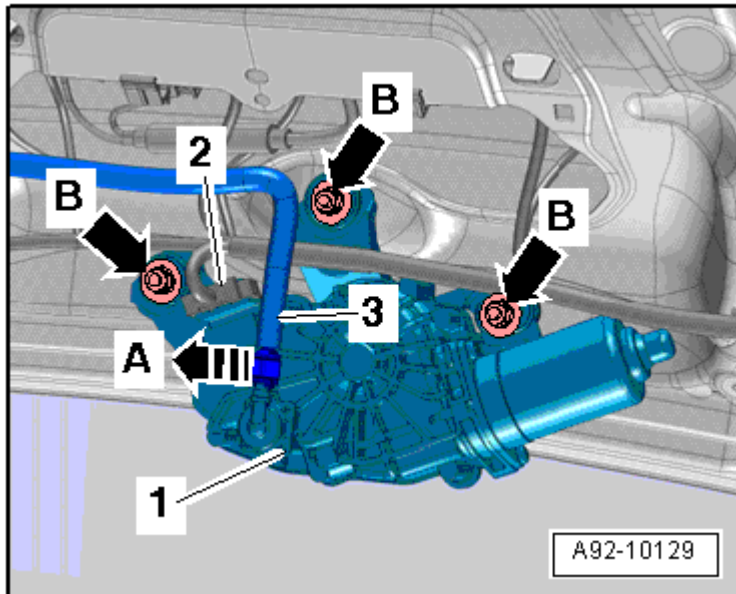


Fig. 51: Disconnecting Electrical Connector
Courtesy of AUDI OF AMERICA, LLC

- Release the securing clip -arrow A- and remove the washer fluid line -3- from the spray nozzle connecting pipe.
- Remove the nuts -B arrows- and the rear window wiper motor -item 1-.

Installing

- Tightening specification, refer to **WIPER AND MOTOR OVERVIEW**.

Install in reverse order of removal, observing the following:

- Washer fluid hose must engage audibly into nozzle connection.

-- Install the lower rear lid trim. Refer to **Removal and Installation** .

-- Adjust the wiper arm. Refer to **WIPER ARM, ADJUSTING**.

RUBBER SEAL

Removing

-- Remove the windshield wiper motor. Refer to **REAR WINDOW WIPER MOTOR -V12-**.

-- Pry the rubber seal carefully out of the rear window.

Installing

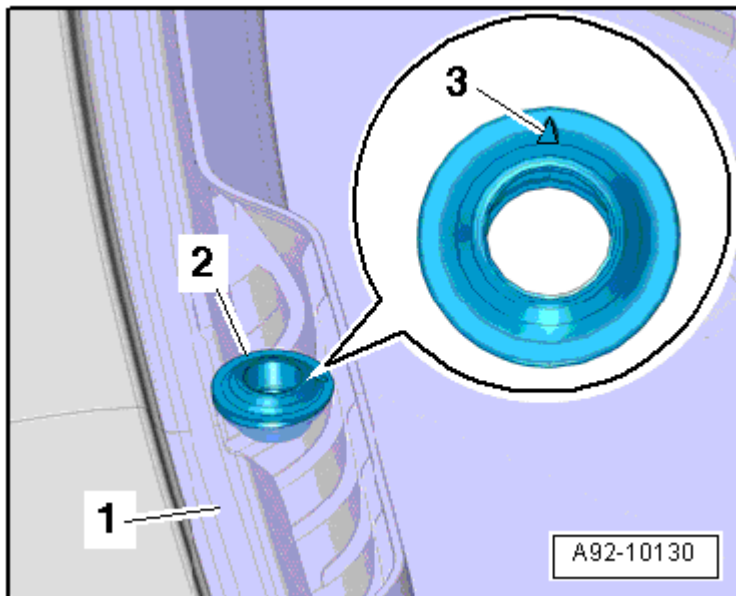


Fig. 52: Identifying Marking -3- Must Face Upward
Courtesy of AUDI OF AMERICA, LLC

Install in reverse order of removal, observing the following:

-- Install the rubber seal -2- into the rear window -1-.

- The mark -3- must face upward.

-- Install the windshield wiper motor. Refer to **REAR WINDOW WIPER MOTOR -V12-**.

WINDSHIELD WASHER PUMP -V5-**Special tools and workshop equipment required**

- Drip Tray

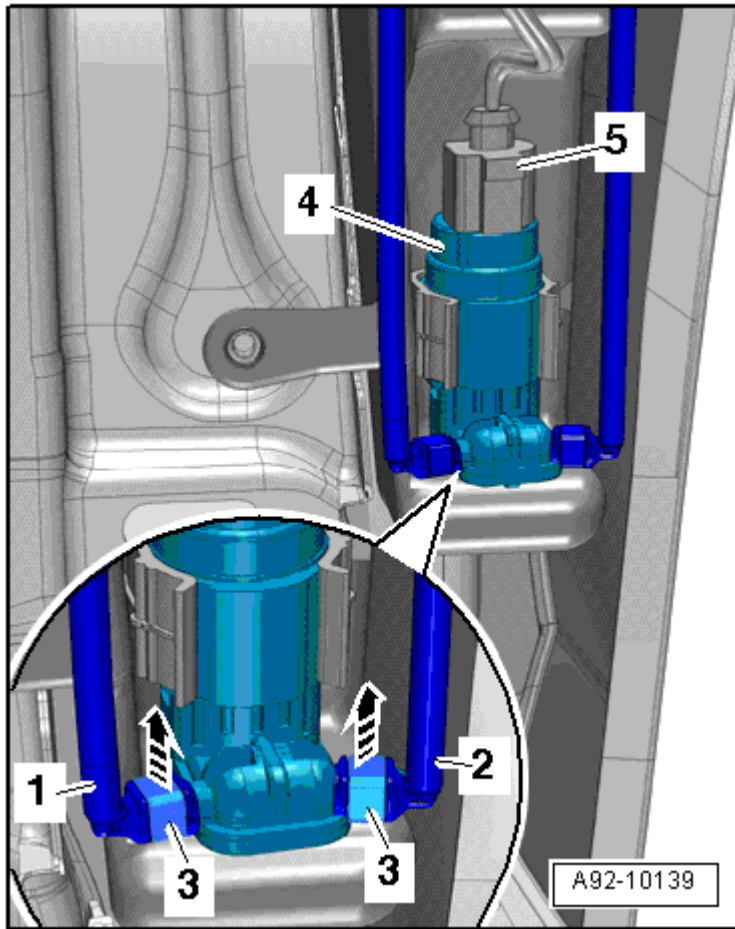
Removing

Fig. 53: Identifying Windshield Washer Pump
Courtesy of AUDI OF AMERICA, LLC

- Turn off the ignition and remove the ignition key.
- Remove the left front wheel.
- Remove the left front wheel housing liner. Refer to **Removal and Installation** .
- Disconnect the electrical connector -5-.
- Place a drip tray under the windshield washer fluid reservoir.

-- Release the securing clips -3- in the -direction of arrow- and remove the windshield washer fluid hoses -1 and 2- from the windshield washer pump.

-- Remove the windshield washer pump -item 4- upward out of the washer fluid reservoir.

NOTE: Replace the windshield washer pump bracket if it is damaged.

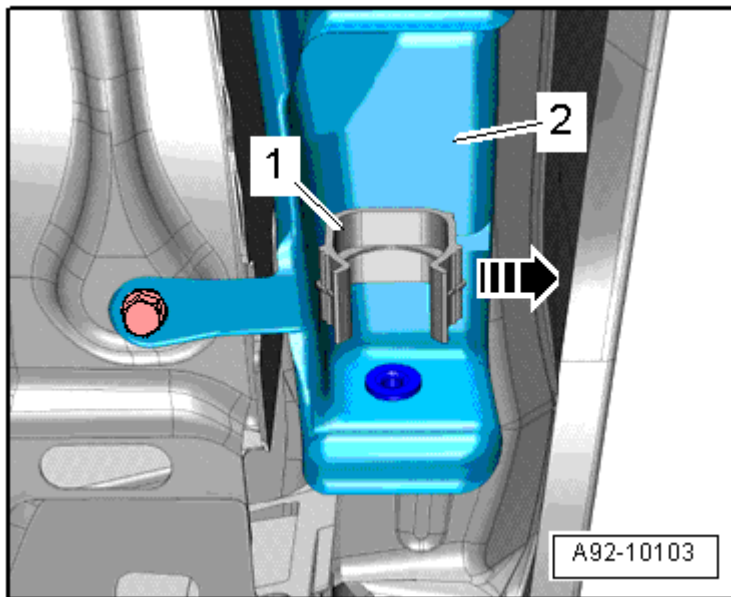


Fig. 54: Pressing Damaged Bracket -1- Out Of Mount In Washer Fluid Reservoir - 2- Toward Outside Of Vehicle -Arrow-
Courtesy of AUDI OF AMERICA, LLC

Press the damaged bracket -1- out of the mount in the washer fluid reservoir -2- toward the outside of the vehicle -arrow- using a screwdriver.

Installing

Install in reverse order of removal, observing the following:

-- Check the sealing grommet for damage.

-- Install the left front wheel house liner. Refer to Removal and Installation .

SPRAY NOZZLE

Removing

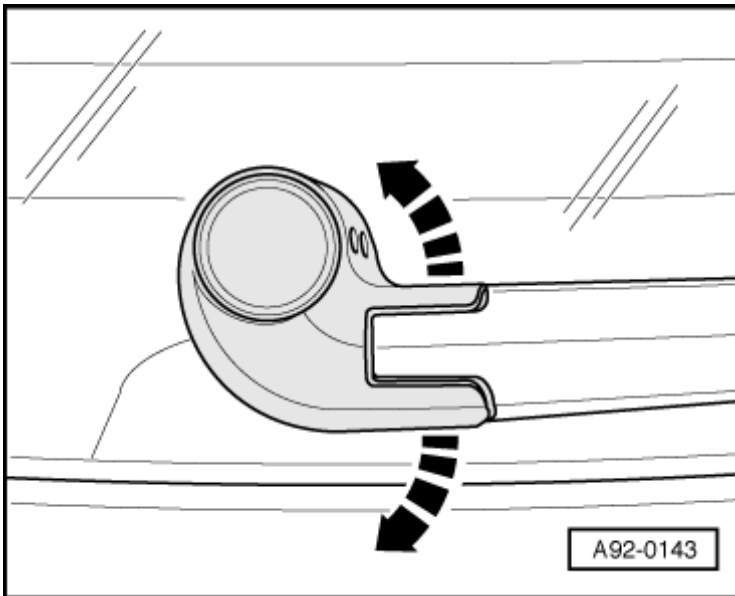


Fig. 55: Identifying Cover

Courtesy of AUDI OF AMERICA, LLC

- Carefully expand the cap -arrows- and remove it.
- Carefully remove the spray nozzle -2- from the connecting pipe -arrow-.

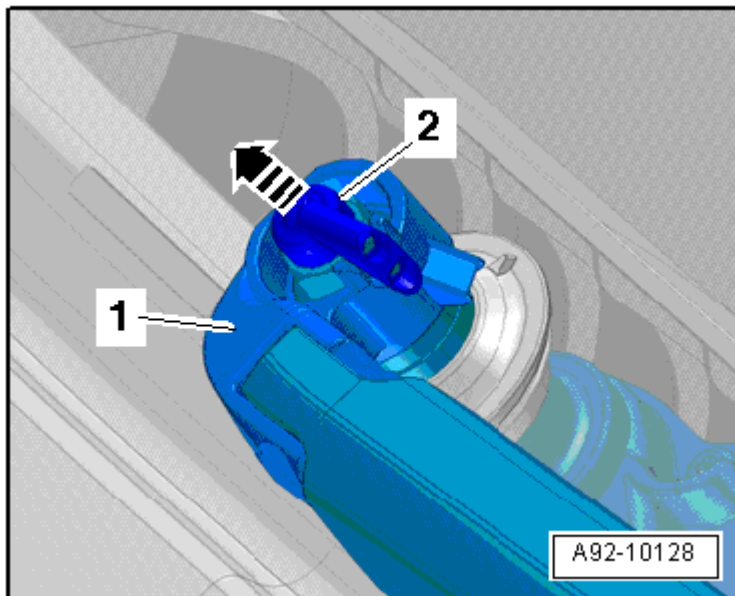


Fig. 56: Carefully Remove Spray Nozzle -2- From Connecting Pipe -Arrow-

Courtesy of AUDI OF AMERICA, LLC

Installing

Install in reverse order of removal, observing the following:

- Insert the spray nozzle so the spray opening faces the opening in the wiper arm -1-.

WASHER FLUID RESERVOIR

NOTE: The combined washer fluid reservoir for the front and rear washer systems is located in the left rear wheel housing. Removing and installing, refer to WASHER FLUID RESERVOIR.

SPECIAL TOOLS

Special tools and workshop equipment required

- Windshield Washer Aiming Tool T40187 equipped with Replacement Tip 3125/5A

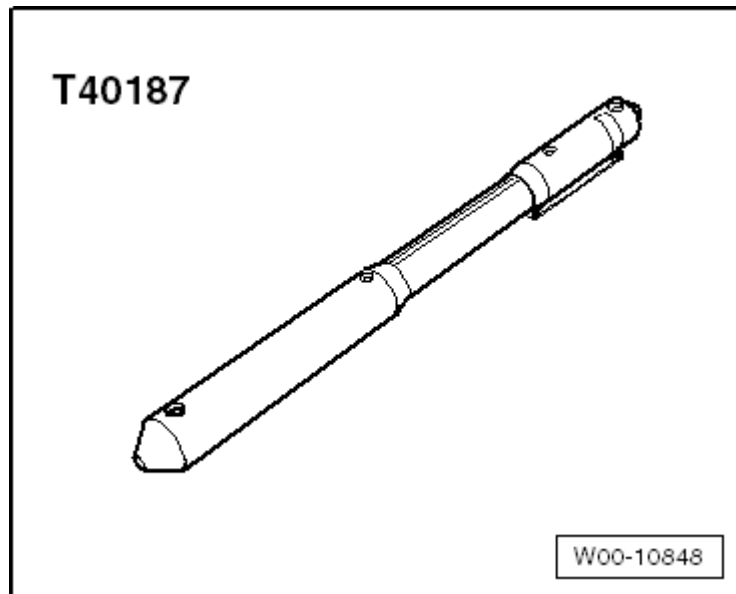


Fig. 57: Identifying Setting Tool T40187
Courtesy of AUDI OF AMERICA, LLC

- Replacement Tip 3125/5A
- Hose Clamp Pliers V.A.G 1921

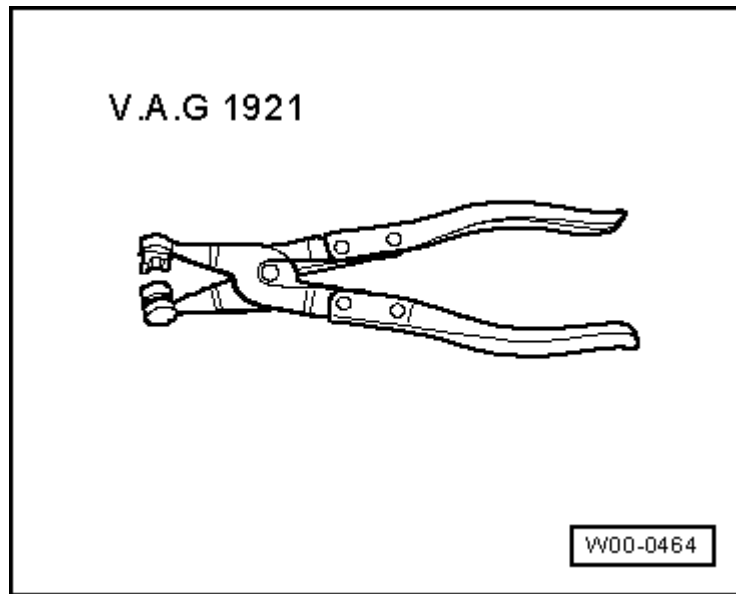


Fig. 58: Hose Clamp Pliers V.A.G 1921
Courtesy of AUDI OF AMERICA, LLC

- Hose Clamps Up to 25 mm Dia. 3094

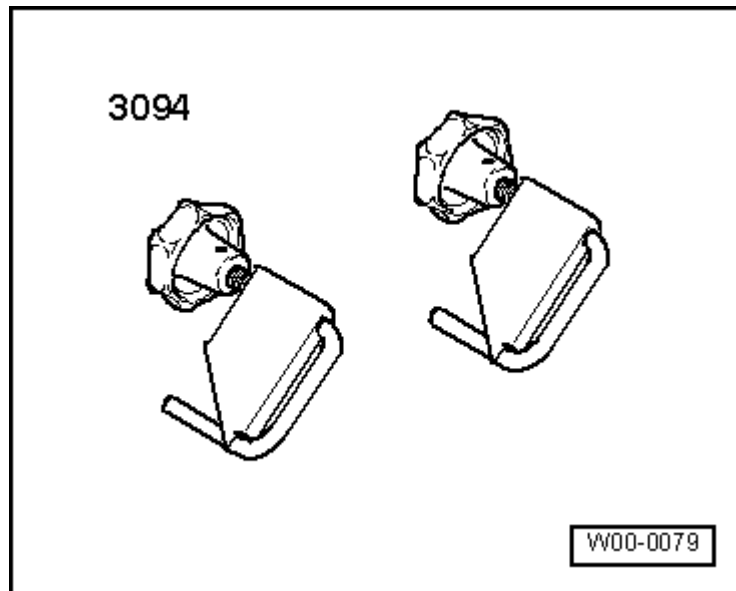


Fig. 59: 3094 Hose Clamps
Courtesy of AUDI OF AMERICA, LLC

- Puller T10369

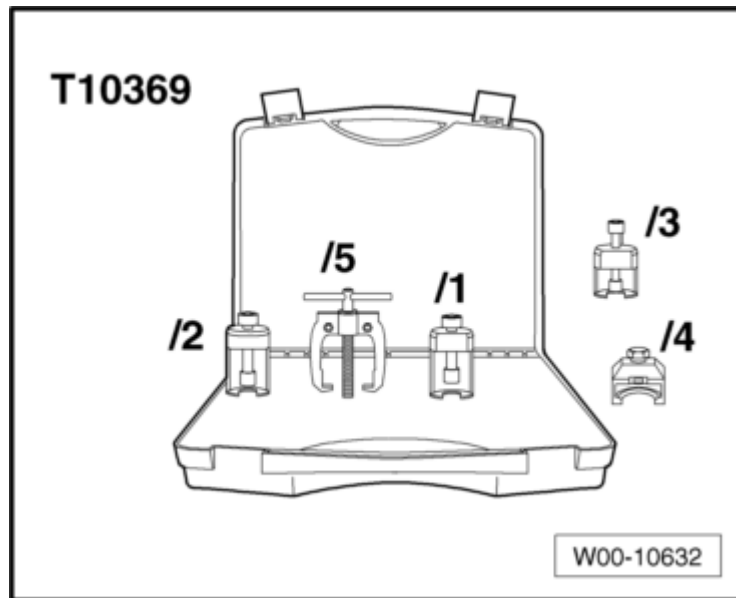


Fig. 60: Identifying Puller T10369
Courtesy of AUDI OF AMERICA, LLC

- Removal Lever 80 - 200

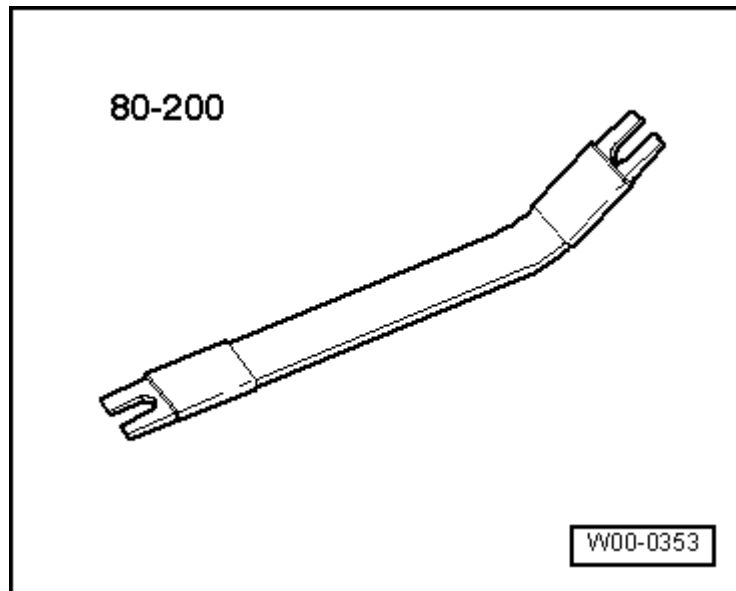


Fig. 61: 80-200 Pry Lever
Courtesy of AUDI OF AMERICA, LLC