

92 WINDSHIELD WIPER WASHER SYSTEM

WINDSHIELD WIPER SYSTEM

Windshield wiper system, removing and installing

Special tools, testers and auxiliary items required

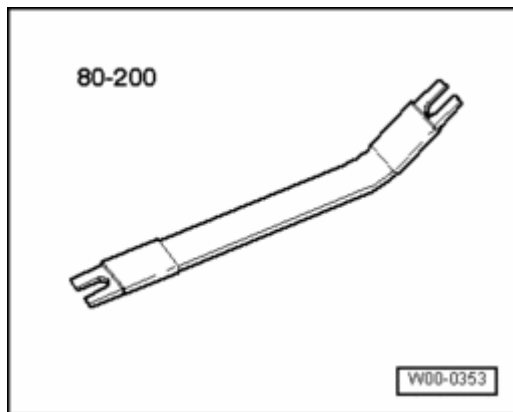


Fig. 225: Identifying Pry Lever 80-200

Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Removal lever 80-200

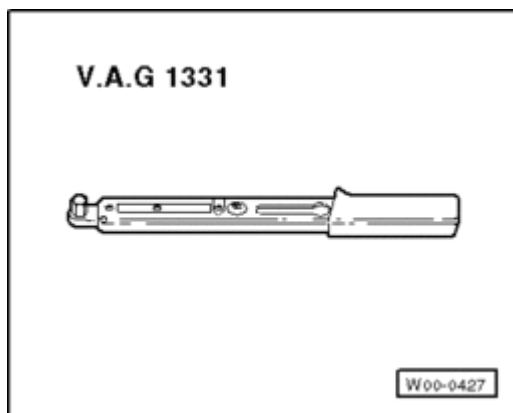


Fig. 226: Identifying Torque Wrench V.A.G. 1331

Courtesy of VOLKSWAGEN UNITED STATES, INC.

- VAG 1331 Torque wrench (or 5 - 50 Nm equivalent)

Removing

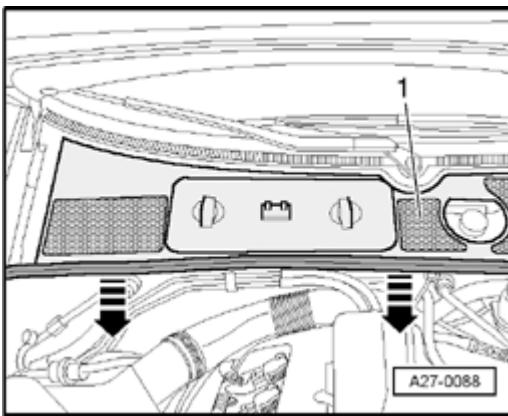


Fig. 227: Identifying Plenum Chamber Cover & Removing Rubber Seal
 Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Remove rubber seal of plenum chamber cover in direction of - **arrow** -.
- Remove plenum chamber cover - **1** - to front.

Wiper arms, removing

- Actuate touch-wipe function and allow wiper motor to move to end position.

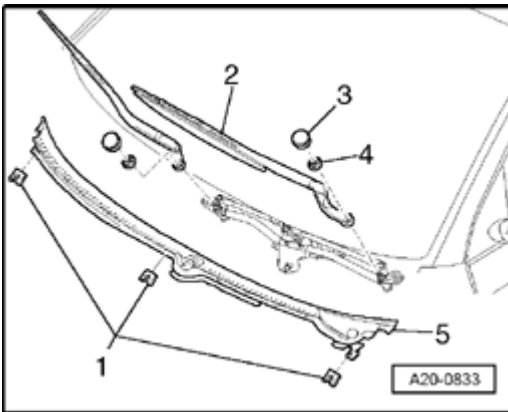


Fig. 228: Removing Securing Clips And Cowl
 Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Use screwdriver to pry off caps - **3** -.
- Loosen nuts - **4** - (do not remove).
- Loosen wiper arms - **2** - from wiper shaft by tilting slightly.
- Remove nuts completely and remove wiper arms.

NOTE:

- **Should wiper arms be difficult to remove, use appropriate puller.**
- **Remove retaining clips - **1** - and detach cowl panel grille - **5** -.**

Wiper assembly, removing

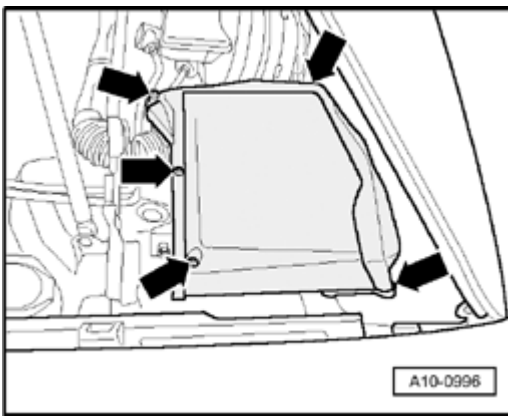


Fig. 229: Removing Screws And Cover From E-Box In Plenum Chamber
 Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Remove cover for electronics box in plenum chamber - **arrows** -.

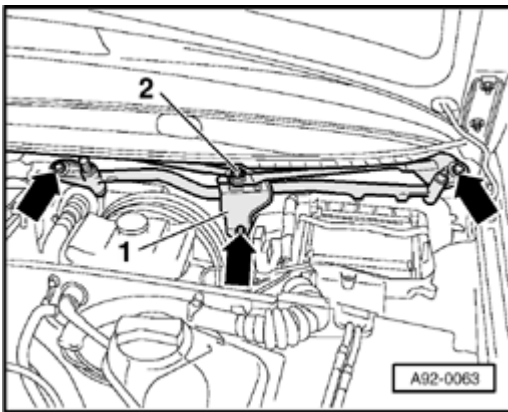


Fig. 230: Identifying Wiper Linkage And Wiper Frame
 Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Pry off wiper linkage - **2** - from ball head using lever 80-200.
- Remove crank from wiper motor.
- Unclip pipe/hose guides at wiper frame.
- Remove bolts - **arrows** - and detach entire wiper frame - **1** -.
- Disconnect electrical connection.

Wiper motor, removing fom frame

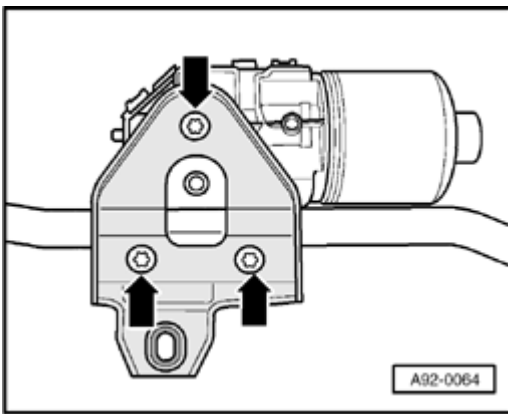


Fig. 231: Identifying Wiper Motor And Wiper Frame
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Remove bolts - **arrows** - and remove wiper motor from wiper frame.

Installing

Install in reverse order of removal, noting the following:

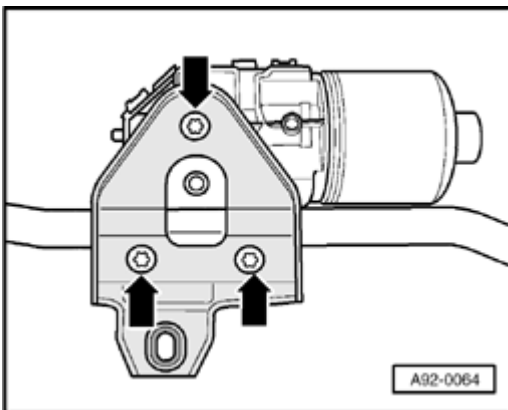


Fig. 232: Identifying Wiper Motor And Wiper Frame
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Secure wiper motor without crank to wiper frame - **arrows** -.
- Reconnect electrical connectors at wiper motor.
- Fit wiper motor with wiper frame in vehicle and loosely install bolts.

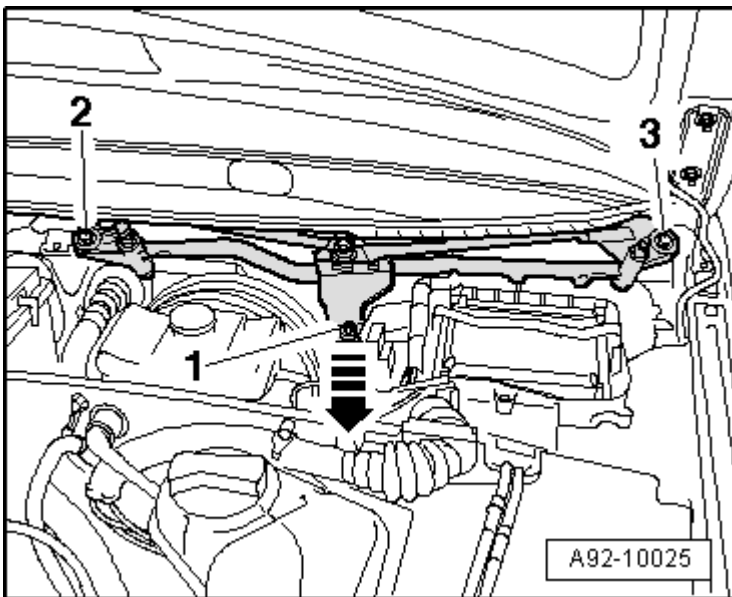


Fig. 233: Pressing Wiper Linkage In To Stop And Tightening Bolts In Sequence
 Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Press wiper linkage in to stop in direction of - **arrow** - and tighten bolt - **1** -.
- Then tighten bolts - **2** - and - **3** - in sequence.
- Actuate touch-wipe function and allow wiper motor to move to end position.

CAUTION:

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

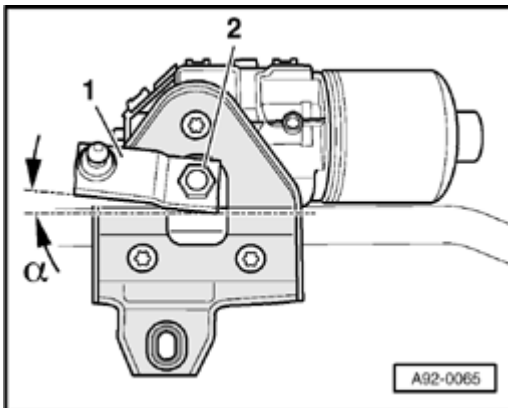


Fig. 234: Identifying Crank, Wiper Frame, And Nut
 Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Check and if necessary, align crank - **1** - with wiper frame.
- Angle α = 2 degrees

- Hold crank in position and hand-tighten nut - **2** - so setting is not altered.
- Then brace crank with an open-end wrench and tighten nut fully.
- Switch on ignition.
- Actuate touch-wipe function and allow wiper motor to move to end position.
- Check that angle - **a** - is attained; re-align if necessary.

NOTE:

- Shown with wiper frame removed for illustration purposes.
- Set wiper blades to park position --> Windshield wiper blade park position, adjusting.

Tightening torques

Component - fastener	Nm
Wiper crank to wiper motor - nut	18
Wiper motor to wiper frame - bolt	9
Wiper frame to plenum chamber - bolt	8

Windshield wiper blade park position, adjusting

Procedure

- Switch on ignition.
- Actuate touch-wipe function and allow wiper motor to move to end position.
- Switch off ignition.

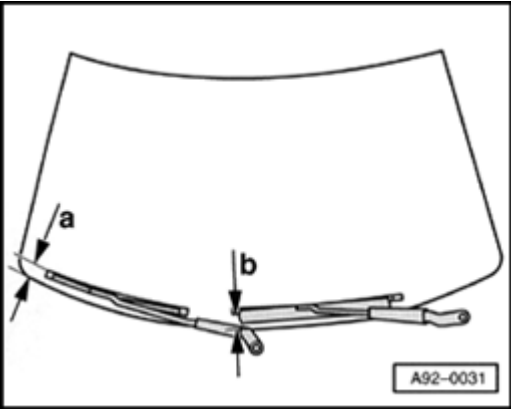


Fig. 235: Checking Windshield Wiper Blade Tips Position
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Position wiper blades on windshield and align as follows:
- Dimension - **a** - = 24 mm.

- Dimension - **b** - = 44 mm.

NOTE:

- The figures given here are the distances between wiper blades and cowl panel grille of plenum chamber at bottom edge of windshield.
- Tighten nuts for wiper arms.
- Switch on ignition.
- Actuate touch-wipe function and allow wiper motor to move to end position.
- Switch off ignition.
- If necessary, re-align wiper arms and tighten nuts again.

Tightening torque

Component - fastener	Nm
Wiper arm - nut	21

Windshield wiper blade - through 10.04, replacing

Removing

- Lift wiper arm off windshield.

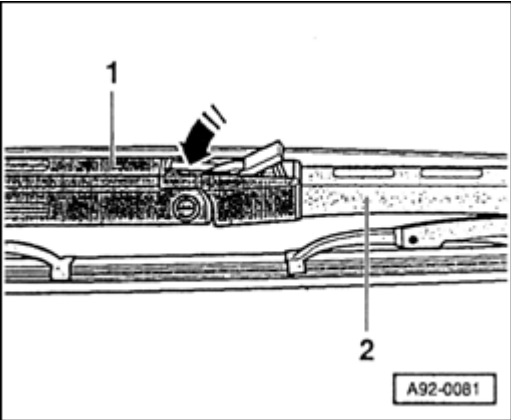


Fig. 236: Identifying Linkage, Wiper Blade, And Wiper Arm
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Press release button at linkage - **arrow** -.
- Remove wiper blade - **2** - from wiper arm - **1** - downwards.

Installing

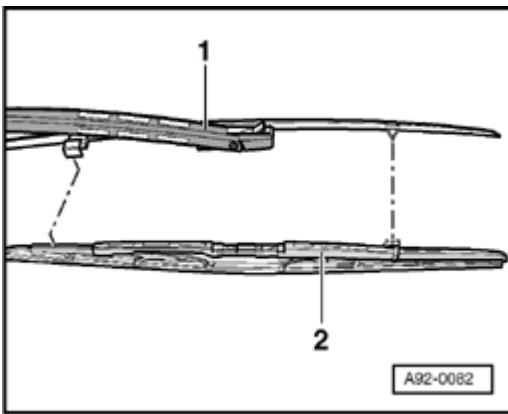


Fig. 237: Identifying Wiper Blade And Arm

Courtesy of VOLKSWAGEN UNITED STATES, INC.

- When installing wiper blade - 2 - on drivers side, ensure blade engages in lug and retainer at spoiler engages in wiper blade.
- Lock wiper blade by pressing release button.

Windshield wiper arm - through 10.04, assembly

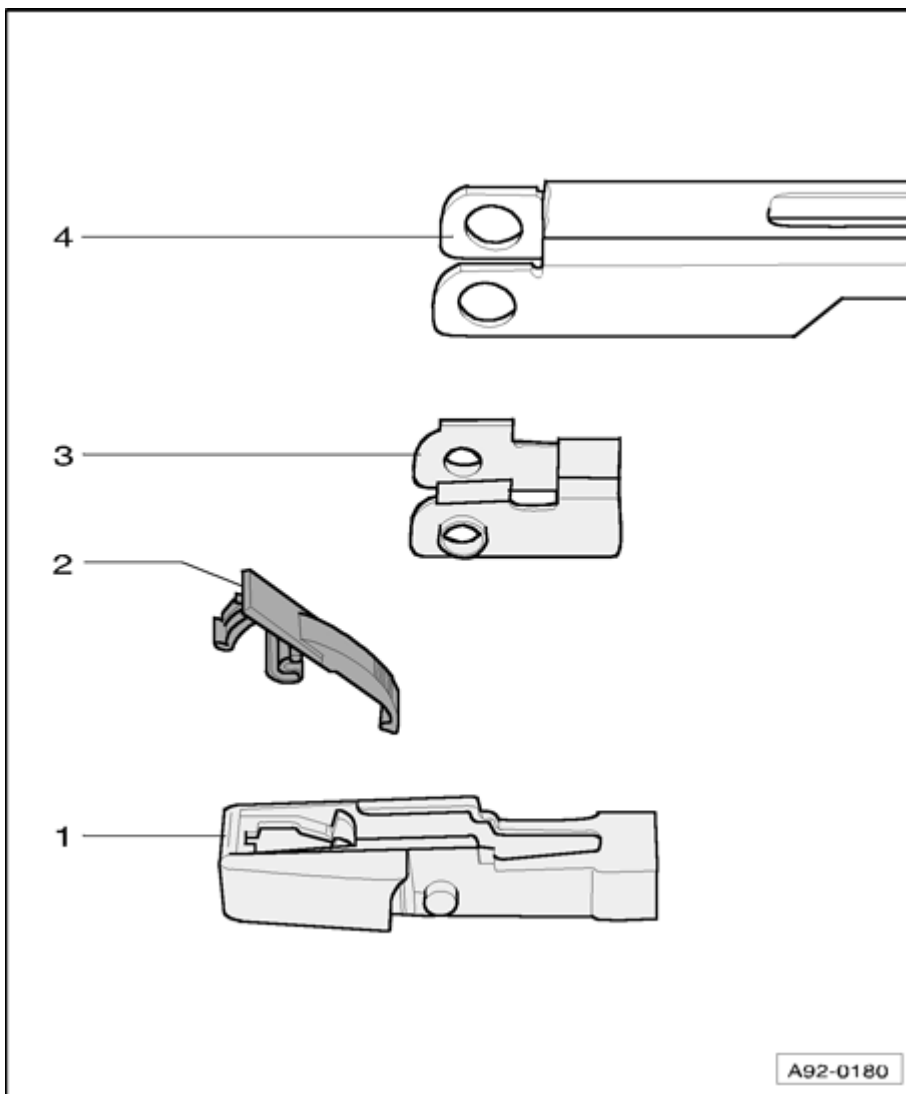


Fig. 238: Windshield Wiper Arm - Through 10.04, Assembly
Courtesy of VOLKSWAGEN UNITED STATES, INC.

1 - Wiper blade mount

- For drivers side (with spoiler)
- Removing and installing --> **Windshield wiper blade mount - through 10.04, removing and installing**

2 - Release button

3 - Spacer

- Removing and installing --> **Windshield wiper blade mount - through 10.04, removing and installing**

4 - Wiper arm

Removing

- Lift wiper arm off windshield.

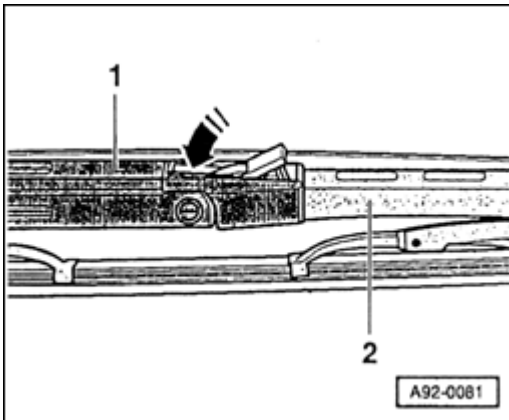


Fig. 239: Identifying Linkage, Wiper Blade, And Wiper Arm
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Press release button at linkage - **arrow** -.
- Remove wiper blade - **2** - from wiper arm - **1** - downwards.

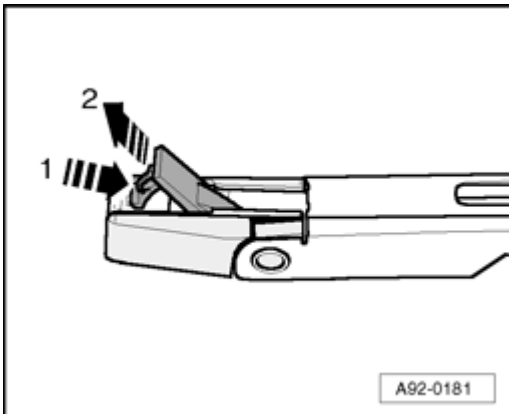


Fig. 240: Identifying Release Button, And Wiper Arm
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Release the retaining lug on release button - **arrow 1** -.
- Pivot the release button upwards.
- Pull release button out of wiper arm - **arrow 2** -.

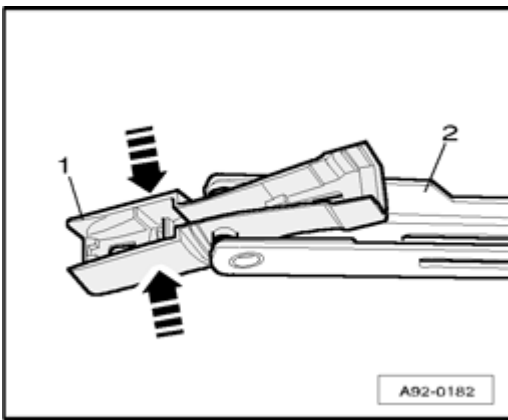


Fig. 241: Pressing Sides Of Wiper Mounting Inwards And Removing Wiper Mounting
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Press the sides of wiper mounting - **1** - inwards - **arrows** -.
- Remove wiper mounting from wiper arm - **2** -.

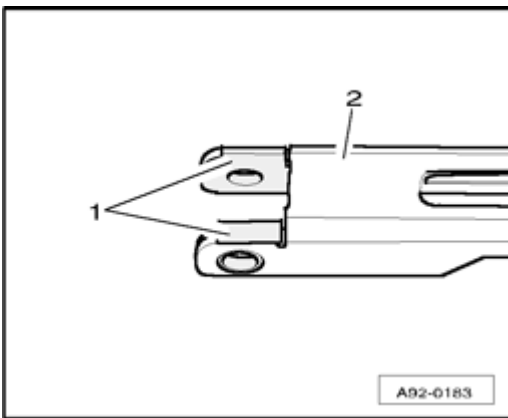


Fig. 242: Identifying Retaining Lugs, And Wiper Arm
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Press the spacer together at retaining lugs - **1** -.
- Remove spacer from wiper arm - **2** -.

Installing

Install in reverse order of removal.

Windshield wiper blade - from 11.04, replacing

Removing

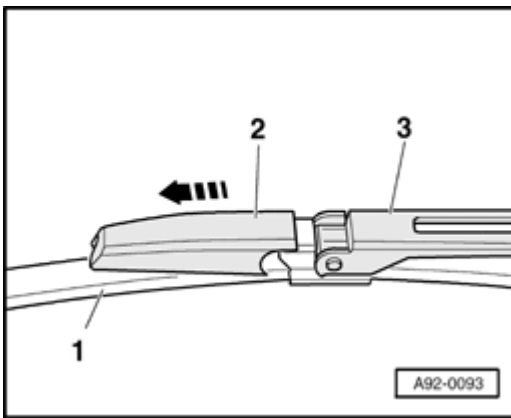


Fig. 243: Identifying Retaining Clip, Wiper Arm, And Wiper Blade
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Slide clip - 2 - off wiper arm - 3 - in direction of - **arrow** -.
- Remove wiper blade - 1 - downwards from wiper arm.

Installing

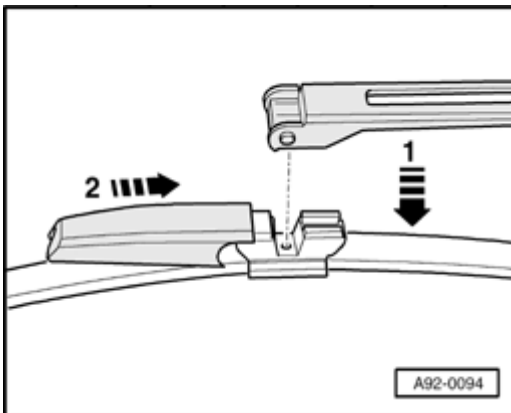


Fig. 244: Identifying Wiper Blade And Retaining Clip
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Insert joint of wiper arm in guide on wiper blade - **arrow 1** -. Ensure joint is inserted fully in guide.
- Secure wiper blade by fitting retaining clip - **arrow 2** -.

WINDSHIELD WASHER SYSTEM

Washer fluid reservoir - Audi A4 S4, removing and installing

Top section of reservoir, removing

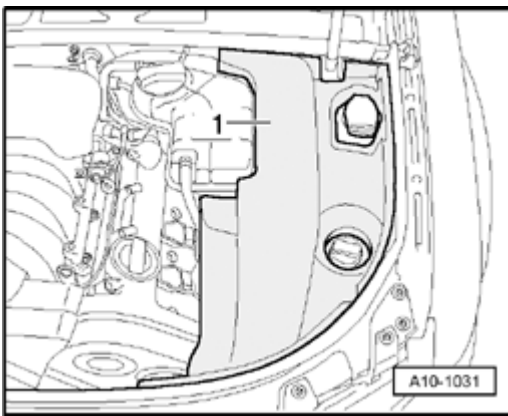


Fig. 245: Removing Cover In Engine Compartment (Left Side)
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Remove left engine cover - 1 -.

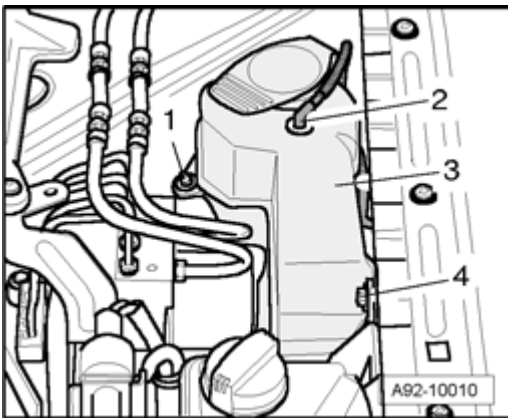


Fig. 246: Identifying Nut, Bolt, Overflow Hose, And Reservoir
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Where applicable, remove overflow hose - 2 - from reservoir - 3 -.
- Remove nut - 1 - and bolt - 4 -.
- Pull top section of reservoir upwards out of bottom section.

Bottom section of reservoir, removing

- Remove left front wheel.
- Remove left front wheel housing liner --> **66 EXTERIOR EQUIPMENT** .



Fig. 247: Removing Bottom Section Of Reservoir
 Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Remove bottom section of reservoir - 2 - - **arrows** -.
- Swivel bottom section of reservoir slightly to rear.

NOTE:

- If it is not possible to swivel bottom section of reservoir, remove bolt - 4 - and detach cross member - 1 -.
- Where applicable, detach overflow hose - 3 - from reservoir section.

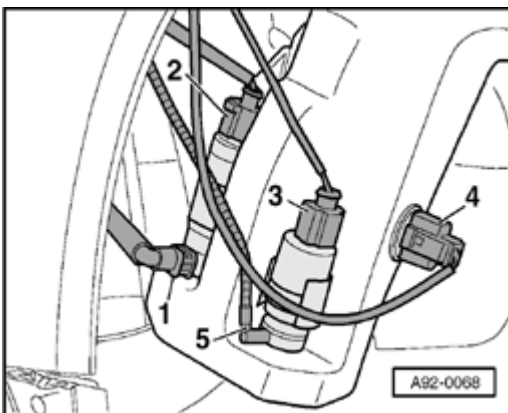


Fig. 248: Identifying Electrical Connections, Hose Connector, And Fluid Pipe
 Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Disconnect electrical connections - 2... 4 -.
- Press release tab and pull off hose connector - 1 -.
- Pull off washer fluid pipe - 5 -.

- Remove washer fluid reservoir downwards.

Installing

Install in reverse order of removal, noting the following:

NOTE:

- Clean thread of bolts from remnants of locking fluid using wire brush. Then apply locking fluid and fit bolts. Locking fluid.
- Clean tapped holes from remnants of self-locking bolts or locking fluid (e.g. using a thread tap). Otherwise the bolts can shear off if they have to be removed again later.
- When installing, ensure that the water hose audibly engages in the connection on the washer fluid pump.

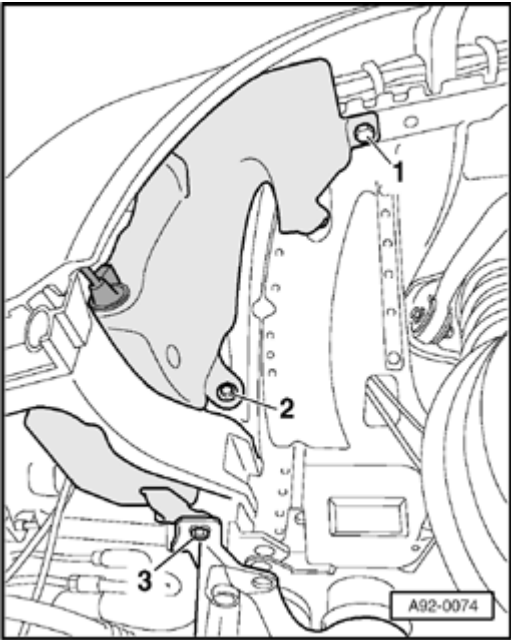


Fig. 249: Identifying Bolt Tightening Sequence
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Tighten bolts in sequence - 1... 3 -.

Tightening torques

Component - fastener		Nm
	self-locking bolt M6	18 ^{1) 2)}
Top section of reservoir to body	nut	5.5
Bottom section of reservoir to body - screw		7
● ¹⁾ Replace bolt.		

- 2) Insert with locking compound; locking compound.

Washer fluid reservoir - Audi RS4, removing and installing

Top section of reservoir, removing

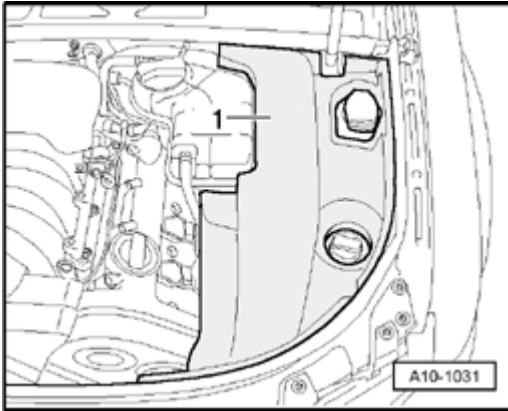


Fig. 250: Removing Cover In Engine Compartment (Left Side)
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Remove left engine cover - 1 -.

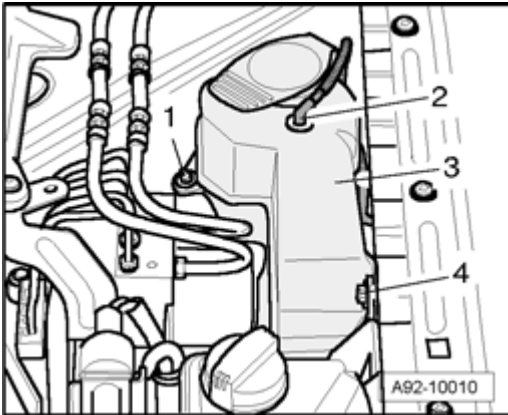


Fig. 251: Identifying Nut, Bolt, Overflow Hose, And Reservoir
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Where applicable, remove overflow hose - 2 - from reservoir - 3 -.
- Remove nut - 1 - and bolt - 4 -.
- Pull top section of reservoir upwards out of bottom section.

Bottom section of reservoir, removing

- Upper part of reservoir removed.

- Remove left front wheel.
- Remove left front wheel housing liner --> **66 EXTERIOR EQUIPMENT** .

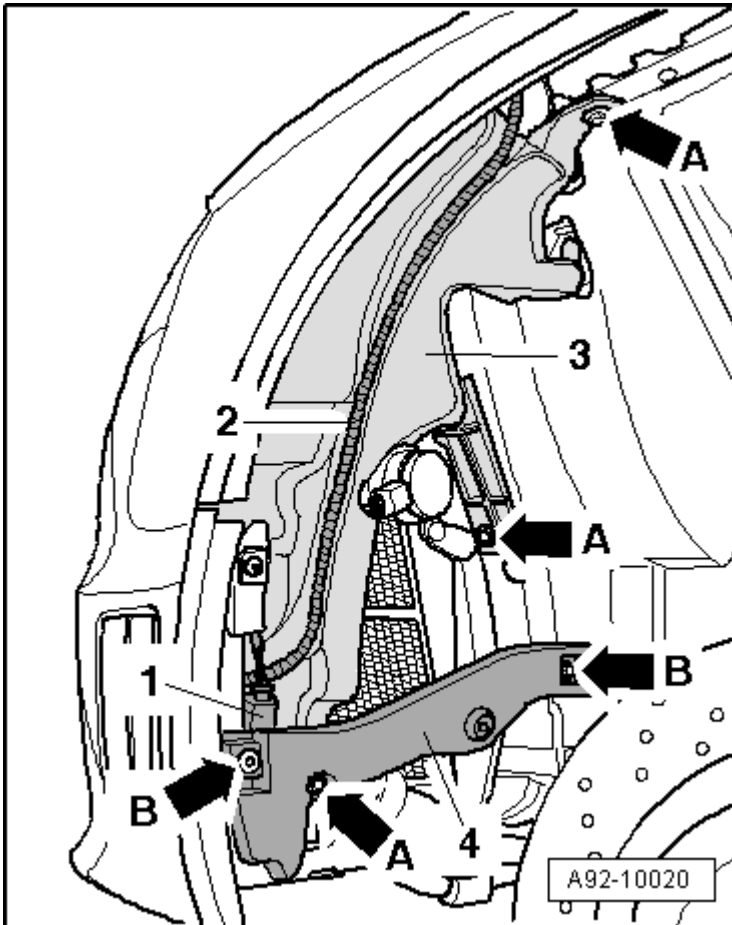


Fig. 252: Identifying Screws, Crossbar, Electrical Connection, Washer Fluid Line, And Washer Fluid Reservoir

Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Remove screws - **arrows A** -.
- Remove screws - **arrows B** - and remove crossbar - **4** -.
- Disconnect electrical connection - **1** - and remove washer fluid line - **2** - from retainer.
- Pivot lower part of washer fluid reservoir - **3** - slightly toward rear.

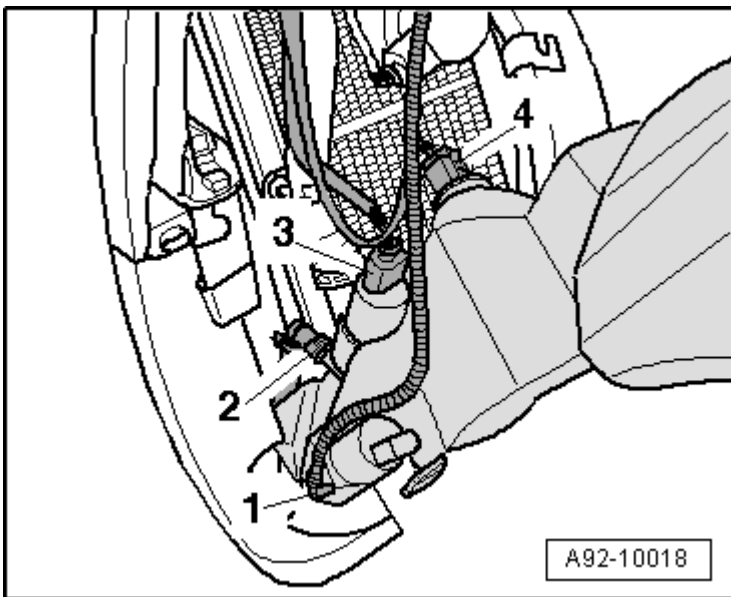


Fig. 253: Identifying Hose, Clamp, And Electrical Connections
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Release clamp and remove hose - 2 -.
- Remove hose - 1 -.
- Disconnect electrical connections - 3 - and - 4 -.
- Remove washer fluid reservoir downward.

Installing

Install in reverse order of removal, observing the following:

NOTE:

- Clean screw threads installed with locking compound using a wire brush. Then insert screws with locking compound. Locking compound.
- Threaded holes that had self-locking screws or screws installed with locking compound must be cleaned (e.g. with a thread tap). Otherwise screws may shear off when reinstalled.
- When positioning hose, ensure it engages audibly in washer fluid pump connection.

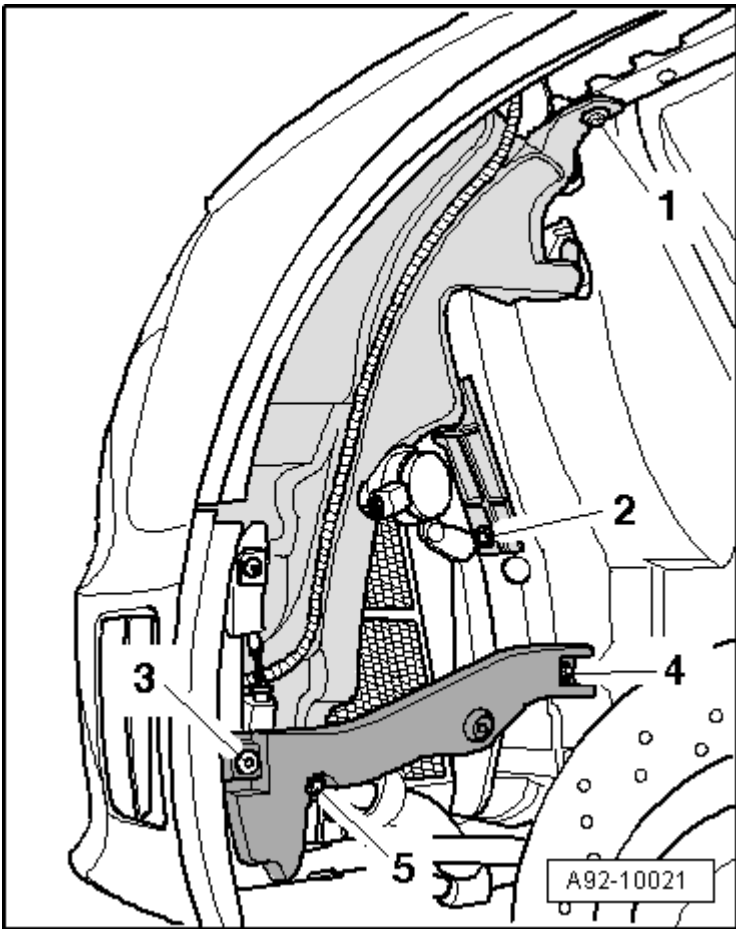


Fig. 254: Identifying Screw Tightening Sequence
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Tighten screws in sequence - **1 to 5** -.
- Install upper part of reservoir.

Tightening torques

Component - fastener		Nm
Upper part of reservoir to	self-locking bolt M6	18 ^{1) 2)}
Body	Nut	5,5
Lower part of washer fluid reservoir to chassis		5,5
• ¹⁾ Replace bolt. • ²⁾ Insert with locking compound; locking compound.		

Windshield washer spray jets, removing and installing

Removing

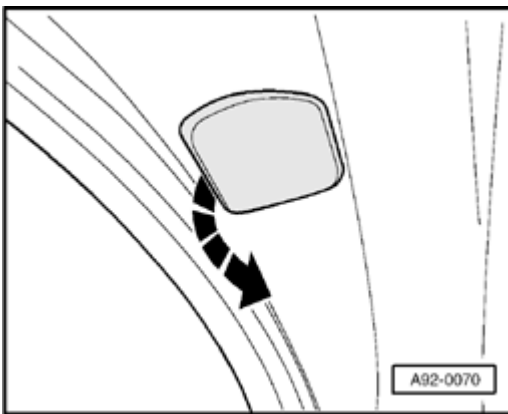


Fig. 255: Unclipping Base Of Spray Jet From Bottom Of Hood
 Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Unclip base of spray jet (bottom) from front hood - **arrow** -.

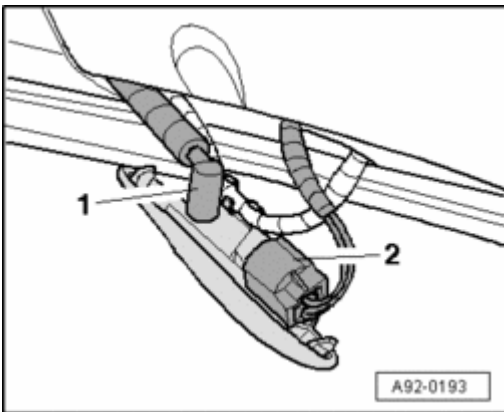


Fig. 256: Identifying Hose, And Electrical Connection
 Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Remove hose - **1** - from spray jet.
- Where applicable, disconnect electrical connection - **2** -.

Installing

Install in reverse order of removal, noting the following:

- When positioning hose, ensure it engages audibly in spray nozzle connection.

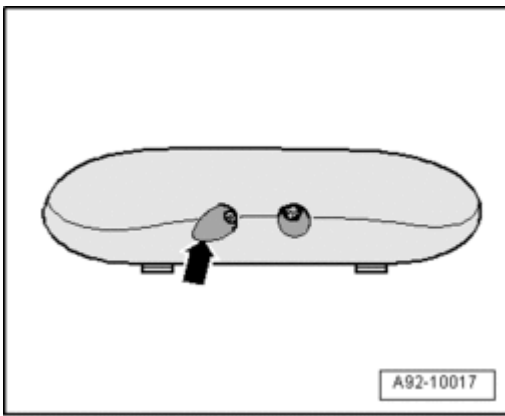


Fig. 257: Locating Oval Opening For Spray Individual Nozzles
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Place spray nozzles in hood so that oval opening - **arrow** - for individual spray nozzles face windshield.
- When installing hose, ensure hose audibly engages in the connection on spray jet.

Windshield washer spray jets, adjusting

Special tools, testers and auxiliary items required

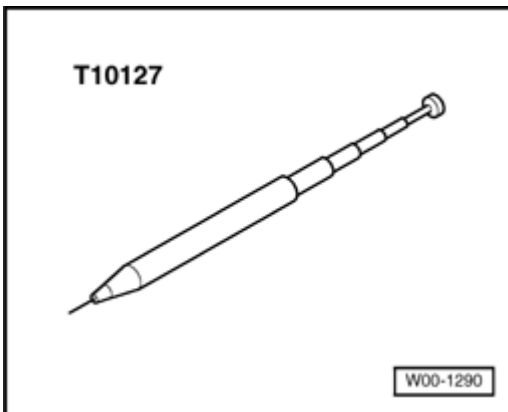


Fig. 258: Identifying Adjustment Tool T10127 Equipped With Needle 3125/ 5 A
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Adjusting tool T10127 fitted with needle 3125/5 A

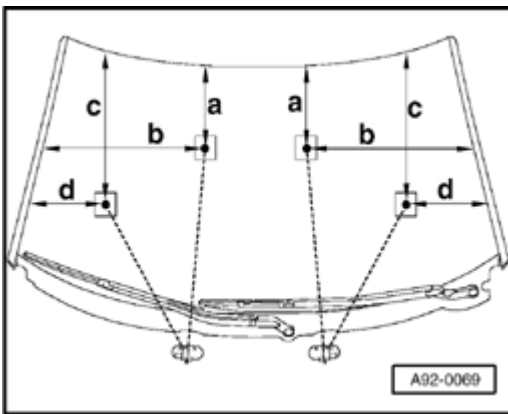


Fig. 259: Identifying Windshield Dimensions
 Courtesy of VOLKSWAGEN UNITED STATES, INC.

Adjustment

NOTE:

- The adjustment dimensions indicate the values for a moving vehicle, i.e. the spray from the jets is slightly offset when the vehicle is stationary.
- Use water-soluble pen to mark the four points on windshield:
- Dimension - a - = 250... 275 mm
- Dimension - b - = 465... 490 mm
- Dimension - c - = 270 415 mm
- Dimension - d - = 140... 225 mm
- Align individual washer jets with these points using adjusting tool.

REAR WINDOW WIPER WASHER SYSTEM

Rear window wiper/washer, assembly

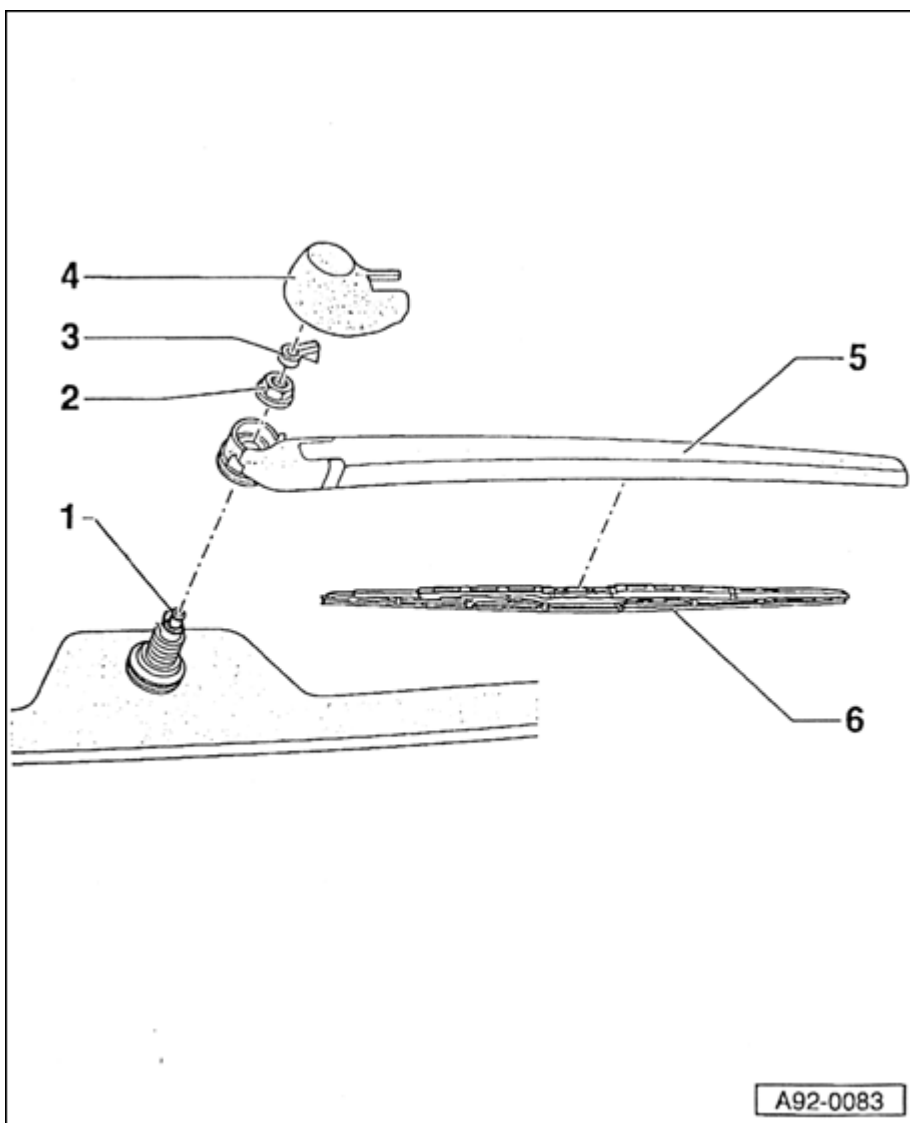


Fig. 260: Rear Window Wiper/Washer, Assembly
Courtesy of VOLKSWAGEN UNITED STATES, INC.

1 - Connecting pipe

- For spray jet

2 - Nut, 12 Nm

3 - Spray jet

- Removing and installing --> **Rear window washer spray jet, removing and installing**
- Adjusting --> **Rear window washer spray jet, adjusting**

4 - Cap for rear wiper

5 - Wiper arm

- Removing and installing --> **Rear window wiper arm, removing and installing**

6 - Wiper blade

- Replacing --> **Rear window wiper blade, replacing**

Rear window washer spray jet, removing and installing

Removing

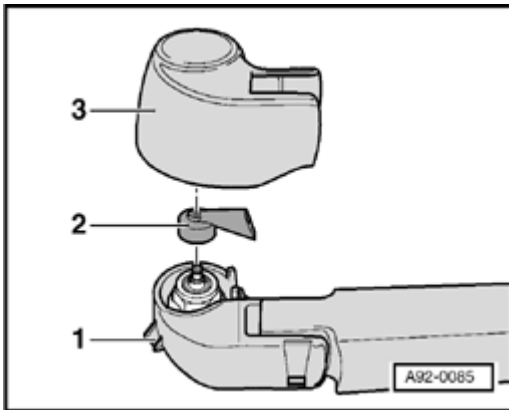


Fig. 261: Identifying Wiper Arm, Spray Jet, And Cap
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Carefully pry apart ends of cap - 3 - and remove from wiper arm - 1 -.
- Carefully pull spray jet - 2 - off connecting pipe.

Installing

Install in reverse order of removal, noting the following:

- Insert spray jet with spray opening pointing into recess on wiper arm.

Rear window washer spray jet, adjusting

Special tools, testers and auxiliary items required

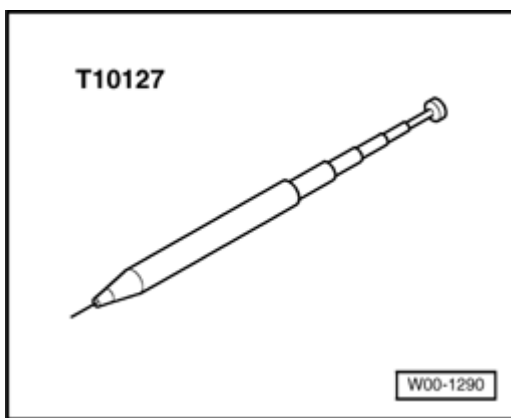


Fig. 262: Identifying Adjustment Tool T10127 Equipped With Needle 3125/ 5 A
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Adjusting tool T10127 fitted with needle 3125/5 A

Procedure

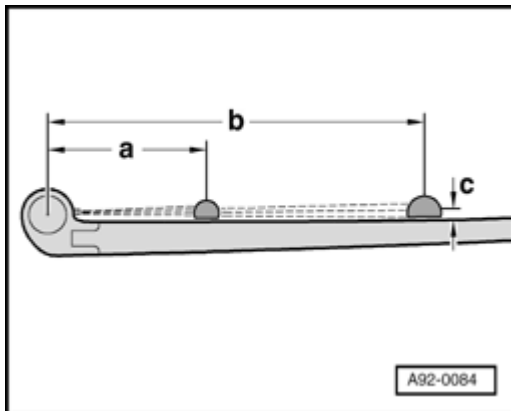


Fig. 263: Identifying Windshield Wiper Dimensions
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Adjust washer jets using adjusting tool T10127 so that water jets spray rear window at points indicated above wiper.
- Dimension - **a** - = approx. 125 mm
- Dimension - **b** - = approx. 295 mm
- Dimension - **c** - = approx. 5 mm

Rear window wiper arm, removing and installing

Removing

- Switch on ignition.
- Actuate rear wiper and allow wiper arm to move to end position.

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

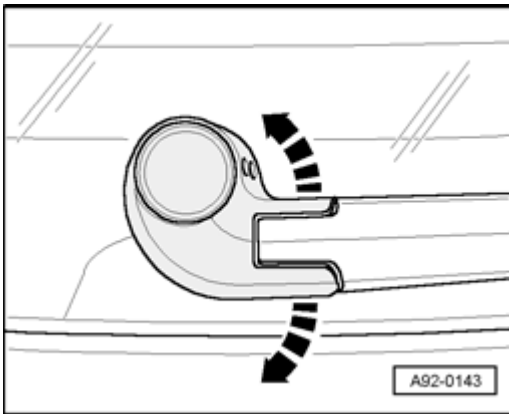


Fig. 264: Identifying Cover

Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Carefully pry cap apart slightly - **arrows** - and lift off.

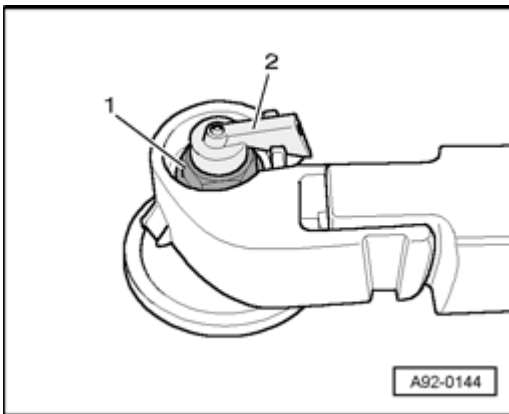


Fig. 265: Identifying Spray Jets And Hex Head Nuts

Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Carefully detach spray jet - **2** -.
- Loosen nut - **1** - (do not remove).
- Loosen wiper arms from wiper shaft by tilting slightly, remove nut and remove wiper arm.

Installing

Install in reverse order of removal, noting the following:

- Adjust wiper arm --> **Rear window wiper arm park position, adjusting.**

Tightening torque

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Component	Nm
Nut for wiper arm	12

Rear window wiper arm park position, adjusting

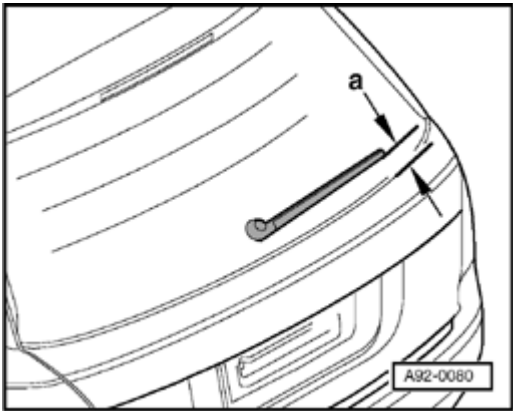


Fig. 266: Identifying Dimensions For Wiper Blade On Rear Window
 Courtesy of VOLKSWAGEN UNITED STATES, INC.

Procedure

- Apply wiper arm with wiper blade fitted at wiper shaft and align wiper blade on rear window as follows.
- Dimension - **a** - = 15... 20 mm

NOTE:

- The dimension indicates distance between tip of wiper blade and bottom edge of window.
- Switch on ignition.
- Actuate rear wiper and allow wiper arm to move to end position.
- Check setting of wiper arm again; correct as necessary.

Tightening torque

Component	Nm
Nut for wiper arm	12

Rear window wiper blade, replacing

Removing

- Lift wiper arm off rear window.

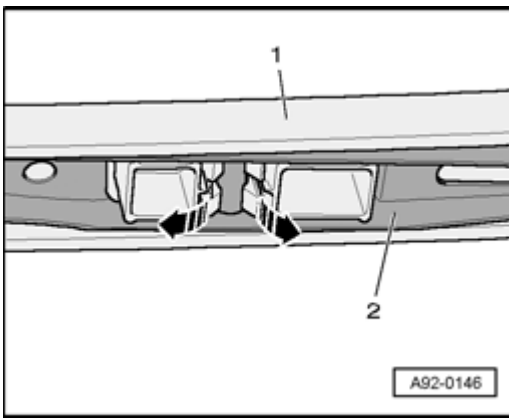


Fig. 267: Identifying Retaining Clips, Wiper Blade, And Wiper Arm
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Release retaining clips - **arrows** - using a screwdriver and take wiper blade - **2** - out of wiper arm - **1** -.

Installing

Install in reverse order of removal, noting the following:

- The wiper blade can only be fitted in one position.
- The wiper blade must engage audibly in the wiper arm.

Rear window wiper motor, assembly

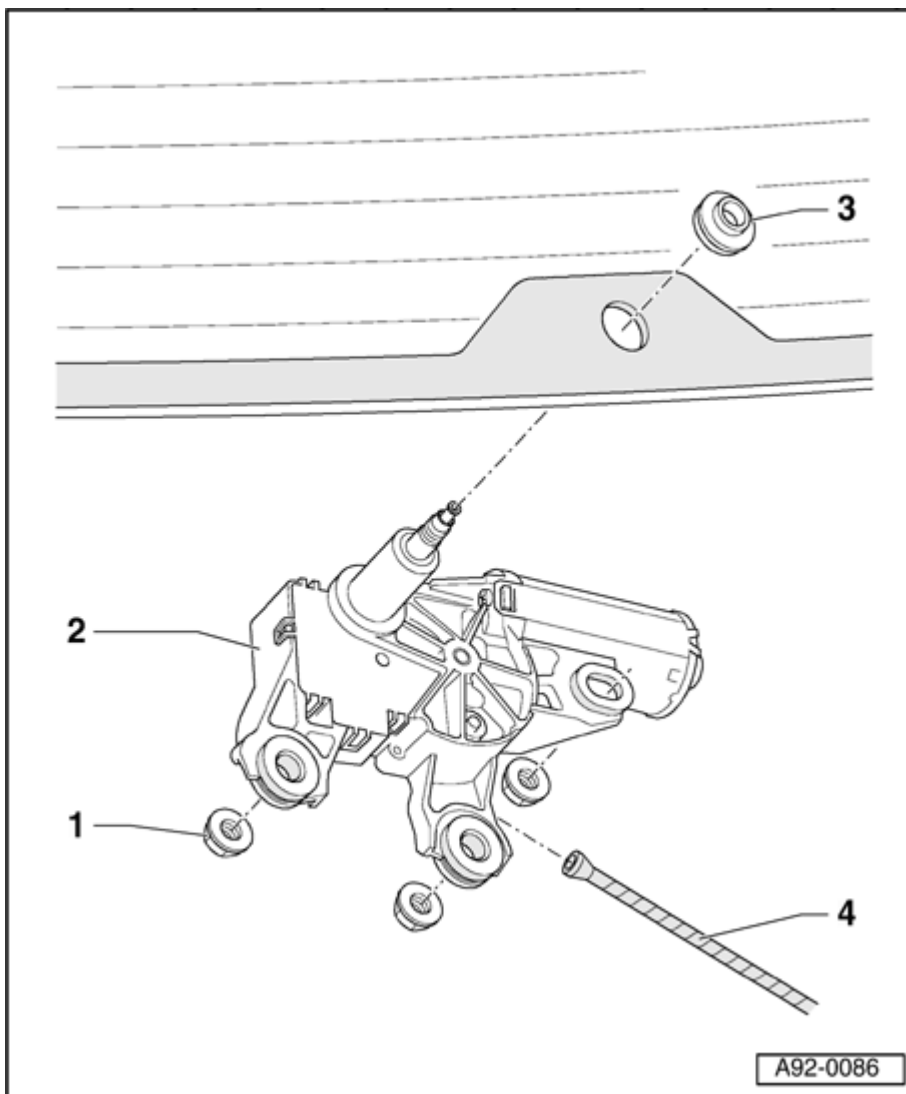


Fig. 268: Rear Window Wiper Motor, Assembly
 Courtesy of VOLKSWAGEN UNITED STATES, INC.

1 - Nut, 8 Nm

2 - Wiper motor

- Removing and installing --> **Rear window wiper motor, removing and installing**

3 - Rubber grommet

4 - Washer fluid hose

Rear window wiper motor, removing and installing

Removing

- Remove wiper arm --> **Rear window wiper arm, removing and installing.**
- Remove lower rear lid trim --> **70 - INTERIOR TRIM** .

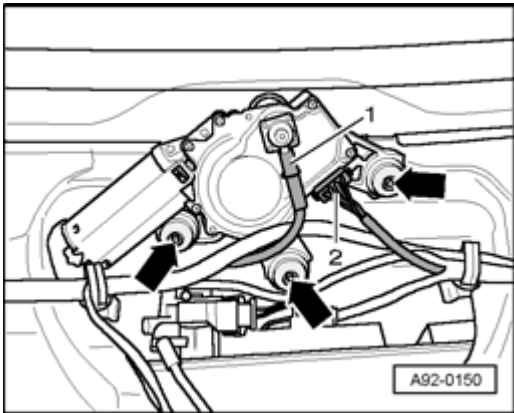


Fig. 269: Identifying Electrical Connection, Washer Fluid Hose, And Nuts
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Disconnect electrical connection - **2** -.
- Disconnect washer fluid hose - **1** - from connecting pipe for spray jet.
- Loosen nuts - **arrows** - and detach wiper motor.

Installing

Install in reverse order of removal, noting the following:

- Carefully insert rubber grommet into hole in rear window.
- Fluid hose must audibly engage in spray jet connection.
- Switch on ignition.
- Actuate rear wiper and allow wiper motor to move to end position.

CAUTION:

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

- Install lower rear lid trim --> **70 - INTERIOR TRIM** .
- Adjust wiper arm --> **Rear window wiper arm park position, adjusting.**

Component - fastener	Nm
Wiper motor to rear lid - nut	8

Washer fluid reservoir, removing and installing

NOTE:

- The combined windshield washer fluid reservoir for front and rear windshield washer system is located in engine compartment at front left. Removing and installing on A4 and S4 --> Washer fluid reservoir - Audi A4 S4, removing and installing. Removing and installing on RS4 --> Washer fluid reservoir - Audi RS4, removing and installing

HEADLAMP WASHER SYSTEM - THROUGH 10.04

Headlamp washer spray jets, removing and installing

CAUTION:

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

Removing

- Remove front bumper cover --> 63 BUMPER .

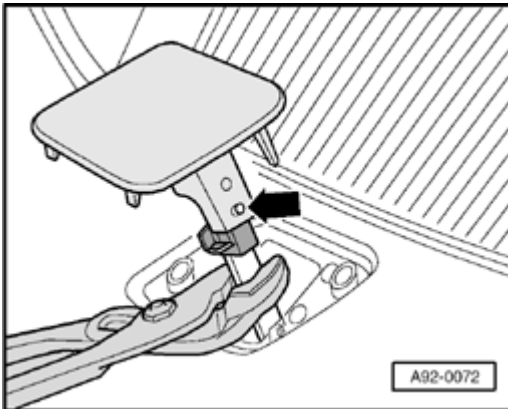


Fig. 270: Pulling Up On Spray Jet Covers At Bumper And Carefully Disengaging Mounts
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Pull cover of spray jet upwards away from bumper cover and carefully disengage retainers - **arrow** -.

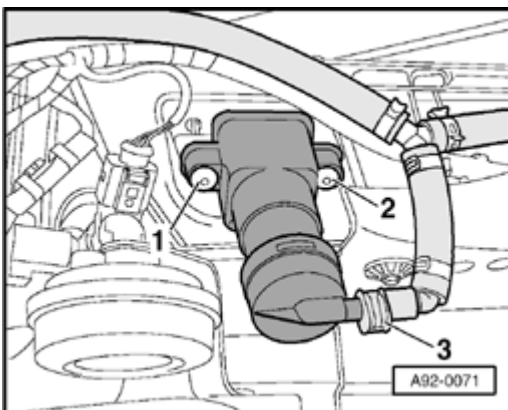


Fig. 271: Identifying Washer Fluid Hose, And Spray Jet Bolts
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Release clamp and remove hose - **3** -.
- Remove screws - **1** - and - **2** - and detach spray jet.

Installing

Install in reverse order of removal, noting the following:

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

Tightening torque

Component - fastener	Nm
Spray jet to bumper cover - screw	3

Headlamp washer spray jets, adjusting

- NOTE:**
- Washer jets are pre-set at the factory and do not have to be adjusted following installation.

Washer fluid reservoir, removing and installing

- NOTE:**
- The washer fluid reservoir supplies both the windshield and the headlamp washer systems; it is located in the engine compartment (front left). Removing and installing on A4 and S4 --> Washer fluid reservoir - Audi A4 S4, removing and installing. Removing and installing on RS4 --> Washer fluid reservoir - Audi RS4, removing and installing.

HEADLAMP WASHER SYSTEM - FROM 11.04

Headlamp washer spray jets, removing and installing

Removing

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

- NOTE:**
- To protect the bumper cover, place a cloth under pliers before taking hold of the spray jet.

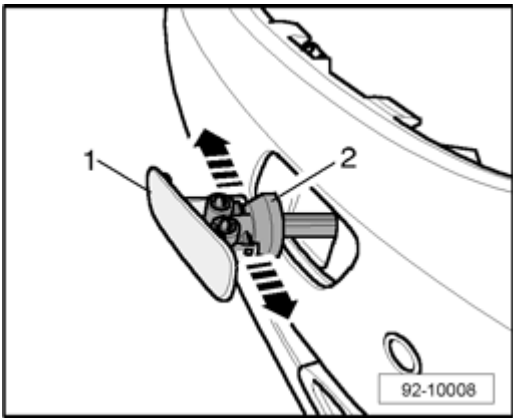


Fig. 272: Pulling Cover Of Spray Jet Upwards Away From Bumper Cover And Carefully Disengaging Retainers
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Pull cover - 1 - of spray jet - 2 - upwards away from bumper cover and carefully disengage retainers in direction of - **arrow** -.

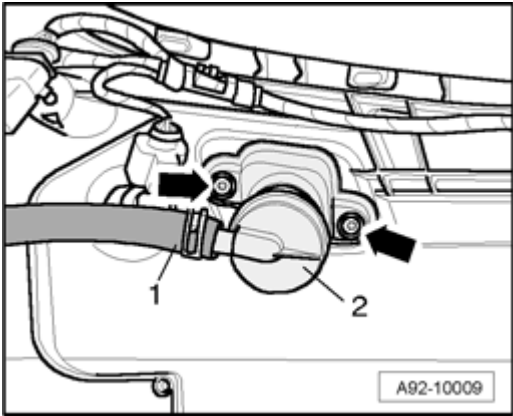


Fig. 273: Identifying Hose, Spray Jet, And Screws
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Release clamp and remove hose - 1 - at spray jet - 2 -.
- Remove screws - **arrows** - and detach spray jet.

Installing

Install in reverse order of removal, noting the following:

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

Tightening torque

Component - fastener	Nm
Spray jet to bumper cover - screw	3
12:17:38 AM	Page 33

Headlamp washer spray jets, adjusting

NOTE:

- Washer jets are pre-set at the factory and do not have to be adjusted following installation.

Washer fluid reservoir, removing and installing

NOTE:

- The washer fluid reservoir supplies both the windshield and the headlamp washer systems; it is located in the engine compartment (front left). Removing and installing on A4 and S4 --> Washer fluid reservoir - Audi A4 S4, removing and installing. Removing and installing on RS4 --> Washer fluid reservoir - Audi RS4, removing and installing.