

# **VOLKSWAGEN of America, Inc.**

Product Compliance  
3800 Hamlin Road  
Auburn Hills, MI 48326  
Phone: 1 (248) 754-5000  
Fax: 1 (248) 754-5093

December 10, 2007

Ms. Patricia Wallace  
Recall Analyst for Safety Assurance  
National Highway Traffic Safety Administration  
Attn: Recall Management Division (NVS-215)  
U.S. Department of Transportation  
1200 New Jersey Avenue, S.E.  
Washington, DC 20590

**Subject: Recall Campaign JL (07V-375)**

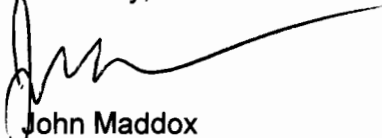
Dear Ms. Wallace:

Pursuant to the requirements set forth in Part 573.6 of Title 49 of the Code of Federal Regulations, we are submitting three (3) copies of the following revised communications for recall campaign JL (07V-375):

- Dealer Notification
- Customer Notification
- Work Procedure
- Accounting Procedure

If you have any questions or require additional information please contact Chris Sandvig at 248-754-5563 or Maria Cotter at (248) 754-4856.

Sincerely,



John Maddox  
Product Compliance Officer

Enclosures

Audi of America, Inc.



**SAFETY RECALL INFORMATION**

Audi of America, Inc.  
3800 Hamlin Road  
Auburn Hills, MI 48326  
United States of America  
[www.audiusa.com](http://www.audiusa.com)

December, 2007

**Subject: Revision to Safety Recall JL**

Dear Audi Dealer Principal and Service Manager:

This letter is to inform you that the work procedure for Audi A4 quattro vehicles with 3.0L engines repaired under Safety Recall JL has been revised. The previous part has been replaced with a different part number. The revised pump part number is 8E0 906 087 P. This new pump also requires the use of a cap on the ventilation line hole for A4 3.0L quattro vehicles.

Please note that this revision is only applicable to Audi A4 quattro vehicles with 3.0L engines.

As always, please ensure that any vehicles in your inventory are repaired **prior** to their delivery to retail customers.

Please refer to the **revised Safety Recall Circular JL** posted on ElsaWeb for additional information. Please be sure to share this information with all personnel with campaign-related responsibilities.

Thank you for your cooperation and assistance in this important matter. If you have questions regarding this or any other action, please contact the Campaign Helpline at 1-800-741-2919.

Audi Product Compliance

#### IMPORTANT INFORMATION

Please inform and provide a copy of this document to every person in your dealership with campaign-related responsibilities, including Service, Parts and Accounting personnel. By law, dealers must correct, prior to delivery for sale or lease, any vehicle that fails to comply with an applicable Federal Motor Vehicle Safety Standard or that contains a defect relating to motor vehicle safety. If you have questions regarding this or any other campaign, please call (800) 741-2919.



# Safety Recall Circular

REVISION #4 Code: JL

**Subject: 2003 MY Audi A4 quattro with 1.8L Turbo or 3.0L Engine  
2003 MY Audi A6 with 3.0L Engine  
Replace Fuel Pump**

December 2007

#### Revision Summary

Audi has changed the fuel pump part number used on A4 3.0L quattro vehicles. In addition, a cap is required to be installed with this fuel pump on the affected A4 3.0L quattro vehicles. Revised or additional portions of this document are noted with a "NEW" stamp.

#### Problem Description

The fuel pump on some affected vehicles may contain a carbon brush set that is susceptible to premature wear. This could lead to an inoperative fuel pump and, ultimately, interrupt or even stop the fuel supply to the engine. If fuel flow to the engine is interrupted, the vehicle could stall without warning and thus present a potential risk of crash.

#### Corrective Action

Replace the fuel pump. For customer satisfaction, and to minimize customer inconvenience, you are urged to service each vehicle at the scheduled time. Also, ensure the vehicle is fully fueled before returning it to the customer.

#### VIN and Range and Production Months of Affected Vehicles (USA)

##### 2003 A4 quattro 1.8L Turbo or 3.0L

WAU\_\_\_8E\_3A113774 - WAU\_\_\_8E\_3A385628

August 2002 – April 2003

##### 2003 A6 3.0L

WAU\_\_\_4B\_3N009995 - WAU\_\_\_4B\_3N109085

August 2002 – April 2003

#### VIN Range and Production Months of Affected Vehicles (CANADA)

##### 2003 A4 quattro 1.8L Turbo or 3.0L

WAU\_\_\_8E\_3A126632 - WAU\_\_\_8E\_3A385661

August 2002 – April 2003

##### 2003 A6 3.0L

WAU\_\_\_4B\_3N107646 - WAU\_\_\_4B\_3N448463

August 2002 – April 2003

**NOTE:** Check ElsaWeb on the day of repair to verify vehicle eligibility and attach the screen print to the repair order. These are the only valid campaign inquiry and verification sources. Some vehicles may be involved in an additional action(s); any additional work can be done while the vehicle is in for this action.

#### Allocation Report of Affected Vehicles

In the Service Manager's Package, dealers with additionally affected vehicles will receive a report containing the complete VIN, customer name and address data. Dealers will not receive a report if they have no additionally affected vehicles.

**NOTE:** The allocation report contains additionally affected owner names and addresses obtained from Motor Vehicle Registration Records. By law, this data may only be used for recall purposes. Use for any other reason may be a violation of law in many states/provinces. Accordingly, you are urged to limit the use of this report.

#### Parts Information and Allocation

Prior to customer notification you will receive an initial allocation of parts for additionally affected vehicles.

#### Owner Notification Mailing

Audi will notify all known owners of additionally affected vehicles by first-class mail on or about September 28, 2007. A sample copy of the owner letter is enclosed.

### Claim Entry Procedure WIN

Immediately upon completion of the repair work, enter the correct code listed below. Claims will only be paid for vehicles that show this campaign open in ElsaWeb on the day of the repair. To help ensure prompt and proper payment, attach the screen print to the repair order.

Damage Code	Time Units	Work Scope
<b>A4 quattro 1.8L Turbo Vehicles</b>		
JL12	140 T.U.	- Install fuel delivery unit & sealing washer 1 8E0 906 087 P Fuel delivery unit 1 8E0 919 133G Sealing washer
JL13	180 T.U.	- Install fuel delivery unit & sealing washer; replace fuel filter 1 8E0 906 087 P Fuel delivery unit 1 8E0 919 133G Sealing washer 1 8E0 201 511J Fuel filter
<b>A4 quattro 3.0L Vehicles</b>		
JL14	140 T.U.	- Install fuel delivery unit & sealing washer 1 8E0 906 087 P Fuel delivery unit 1 8E0 919 133G Sealing washer 1 8E0 201 263 G Cap
<b>A6 FWD Vehicles</b>		
JL15	140 T.U.	- Install fuel delivery unit & sealing washer 1 8E0 906 087 D Fuel delivery unit 1 1J0 919 133A Sealing washer 2 N 101 969 01 Clamp (fuel line)
<b>A6 quattro Vehicles</b>		
JL 16	140 T.U.	- Install fuel delivery unit & sealing washer 1 8E0 906 087 E Fuel delivery unit 1 8E0 919 133B Sealing washer 2 N 101 969 01 Clamp
JL 20	0 T.U.	- Customer refused repairs
There is NO reimbursement for Vehicle Wash or Loaner Vehicle.		
SUB LABOR		SUB PARTS
Not Applicable		Fuel Removal and Fill-up Up to \$40.00 USD Up to \$50.00 CAD

### Claim Entry Procedure SAGA

Immediately upon completion of the repair work, enter the correct code listed below. Claims will only be paid for vehicles that show this campaign open in ElsaWeb on the day of the repair. To help ensure prompt and proper payment, attach the screen print to the repair order.

#### JL00 SAGA Claim Entry Procedure

Service No.: JL00  
Damage Code: 0099  
Parts Manufacturer - Removed part: 002  
Claim Type  
Sold vehicle = 7 10  
Unsold vehicle = 7 90

#### SAGA Accounting Instructions

##### • A4 Quattro 1.8L Turbo Vehicles

Criterion Code: 01 Install fuel delivery unit & sealing washer

Repair operation: 2045 19 99 140 T.U.

1 8E0 906 087 P Fuel delivery unit  
1 8E0 919 133G Sealing washer

##### OR

Criterion Code: 01 Install fuel delivery unit & sealing washer; replace fuel filter

Repair operation: 2045 19 99 180 T.U.

1 8E0 906 087 P Fuel delivery unit  
1 8E0 919 133G Sealing washer  
1 8E0 201 511J Fuel filter

##### • A4 Quattro 3.0L Vehicles

Criterion Code: 01 Install fuel delivery unit & sealing washer

Repair operation: 2045 19 99 140 T.U.

1 8E0 906 087 P Fuel delivery unit  
1 8E0 919 133 G Sealing washer  
1 8E0 201 263 G Cap

##### • A6 FWD Vehicles

Criterion Code: 01 Install fuel delivery unit & sealing washer

Repair operation: 2045 19 99 140 T.U.

1 8E0 906 087 D Fuel delivery unit  
1 1J0 919 133A Sealing washer  
2 N 101 969 01 Clamp (fuel line)

##### • A6 Quattro Vehicles

Criterion Code: 01 Install fuel delivery unit & sealing washer

Repair operation: 2045 19 99 140 T.U.

1 8E0 906 087 E Fuel delivery unit  
1 8E0 919 133B Sealing washer  
2 N 101 969 01 Clamp

There is NO reimbursement for Vehicle Wash or Loaner Vehicle

#### Outside Materials:

Fuel: Up to \$40 (USD), \$50 (CAD)

#### If Customer Refuses Repairs:

Fax the Repair Order to VWoA at (248) 754-5093 and provide VIN, applicable Service Number, Customer Information, Dealer Number, and Date.

The repair information in this document is intended for use only by skilled technicians who have the proper tools, equipment and training to correctly and safely maintain your vehicle. These procedures are not intended to be attempted by "do-it-yourselfers," and you should not assume this document applies to your vehicle, or that your vehicle has the condition described. To determine whether this information applies, contact an authorized Audi dealer. ©2007 Audi of America, Inc. and Audi Canada. All Rights Reserved.

September 2007

**Subject: Safety Recall JL**

**2003 Model Year Audi A4 quattro with 1.8L Turbo or 3.0L Engine and  
2003 Model Year Audi A6 with 3.0L Engine  
Replace Fuel Pump**

Dear Audi Owner:

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act. Audi has decided that a defect, which relates to motor vehicle safety, exists in some 2003 model year Audi A4 quattro and A6 vehicles. Our records show that you are the owner of one of these vehicles.

**What Is The Problem?**

The fuel pump on some affected vehicles may contain a carbon brush set that is susceptible to premature wear. This could lead to an inoperative fuel pump and, ultimately, interrupt or even stop the fuel supply to the engine. If fuel flow to the engine is interrupted, the vehicle could stall without warning and thus present a potential risk of crash.

**What Audi Will Do**

In order to correct this defect, we will replace the fuel pump on your vehicle.

**What We Would Like You To Do**

Please contact your authorized Audi dealer and arrange for an appointment without delay. This service will take about two hours and will be free of charge. Please keep in mind that your dealer may need additional time for the preparation of the repair, as well as to accommodate their daily workshop schedule.

To help expedite this repair, we ask that the fuel level in your vehicle be at approximately one-quarter (1/4) tank or less on the day of your scheduled appointment, if possible.

**Lease Vehicles**

If you are the lessor and registered owner of the vehicle identified in this action, the law requires you to forward this information immediately via first-class mail to the lessee within ten (10) days of receipt of this notification.

**Have You Changed Your Address Or Sold The Vehicle?**

If you have, please fill out the enclosed prepaid Owner Reply card and mail it to us so we can update our records.

**Reimbursement of Expenses**

If you have previously paid for replacement of the fuel pump, the enclosed form explains how to request reimbursement. We would be pleased to review your reimbursement request.

**Service Help from Us**

If your authorized Audi dealer fails or is unable to complete this work free of charge within a reasonable time, please call or write to:

*Audi of America, Inc.  
Attn: Customer Relations (JL)  
3499 West Hamlin Road  
Rochester Hills, MI 48309  
1-800-253-2834*

If you still cannot obtain satisfaction, you may file a complaint with: Administrator, National Highway Traffic Safety Administration, 1200 New Jersey Avenue S.E., Washington, DC 20590; or call the toll-free Vehicle Safety Hotline at 1-888-327-4236 (TTY: 1-800-424-9153), or go to <http://www.safercar.gov/>.

We regret any inconvenience this matter may cause. Thank you for your continued loyalty!

**Audi Product Compliance**

September 2007

**Subject: Safety Recall JL**  
**2003 Model Year Audi A4 quattro with 1.8L Turbo or 3.0L Engine and**  
**2003 Model Year Audi A6 with 3.0L Engine**  
**Replace Fuel Pump**

Dear Audi Owner:

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*Audi Canada  
Attn: Customer Relations (JL)  
P.O. Box 842, Stn. A  
Windsor, ON N9A 9Z9  
1-800-253-2834*

We regret any inconvenience this matter may cause. Thank you for your continued loyalty!

Audi Product Compliance



## Campaign Work Procedure JL Safety Recall

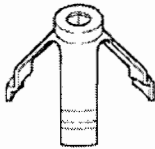
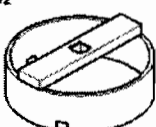



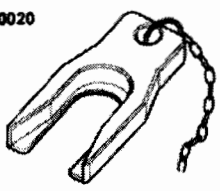


### Parts:

<u>Quantity</u>	<u>Part Number</u>	<u>Description</u>
1	8E0 906 087 P	Fuel delivery unit - A4 1.8L Turbo quattro
1	8E0 906 087 P	Fuel delivery unit - A4 3.0L quattro
1	8E0 906 087 E	Fuel delivery unit - A6 3.0L quattro
1	8E0 906 087 D	Fuel delivery unit - A6 3.0L FWD
1	8E0 919 133 B	Sealing washer - A6 3.0L quattro
1	8E0 919 133 G	Sealing washer - A4 1.8L Turbo quattro & 3.0L quattro
1	1J0 919 133 A	Sealing washer - A6 3.0L FWD
2	N 101 969 01	Clamp (fuel line) - A6 3.0L FWD & quattro
1	8E0 201 511 J	Fuel filter - A4 1.8L Turbo quattro
1	8E0 201 263 G	Cap - A4 3.0L quattro

**NEW**

**NEW**

### Special tools:

<p>3217</p> 	<p>T10202</p> 
<p>V.A.G 1331</p>  <p>V.A.G 1332</p> 	<p>3307</p> 
<p>T40020</p> 	<p>VAS 5051</p>  <p>VAS 5052</p> 

⇐ 3217 Ring nut spanner

⇐ T10202 wrench or 3087 wrench

⇐ V.A.G 1331 & V.A.G 1332 Torque wrenches or equivalent

⇐ 3307 Fuel pump wrench

⇐ T40020 Release tool

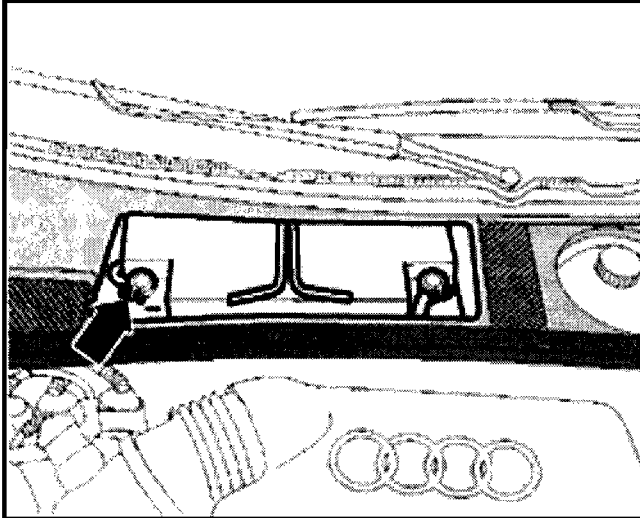
⇐ VAS 5051 or VAS 5052 Diagnostic tool

• VAS 6017A Adapter

• FM 3000GH Fuel removal cart or equivalent

• YA3080 Crimping tool or equivalent

## Work Sequence



### Section A – Fuel Delivery Unit Removal Preparation

- Obtain radio anti theft coding
  - Make note of quantity of fuel in fuel tank
  - Switch off all electrical consumers
  - Turn ignition switch to the off position and remove key
  - If vehicle is equipped with Audi Telematics, by OnStar®, switch-off emergency (back up) battery for Telematic/Telephone control module prior to disconnecting vehicle battery
- ⇐ Open hood, remove battery cover and disconnect the negative battery cable (GND) from the battery
- Loosen gas cap to release any pressure in fuel tank and retighten
  - If vehicle is A6 front wheel drive **go to Section B**
  - If vehicle is A4 quattro **go to Section C**
  - If vehicle is A6 quattro **go to Section D**

## Section B – Fuel Delivery Unit Removal and Installation for A6 Front Wheel Drive

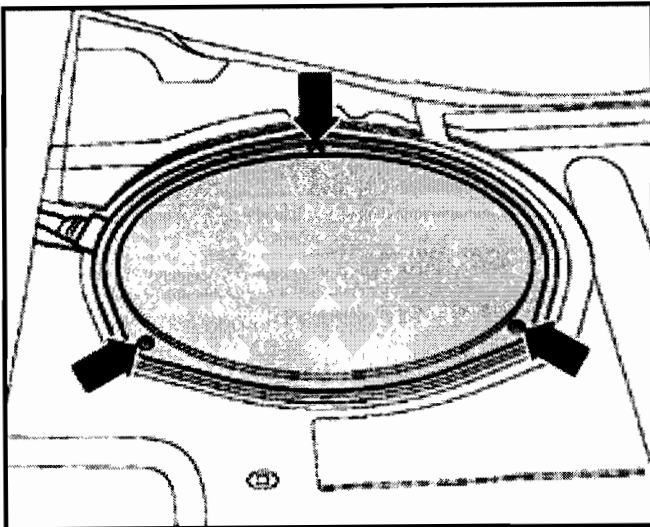


### WARNING!

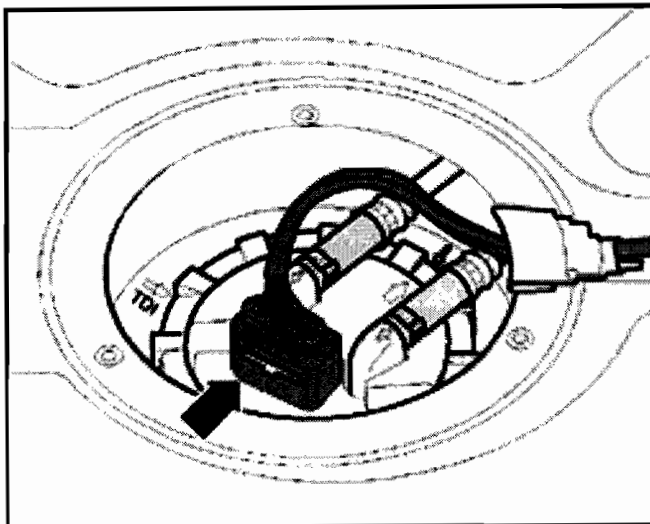
**Fire hazard! Do not smoke, work near heaters or have anything in the area that could ignite fuel or fumes**

**Fuel system is under pressure! Before opening system, place a cloth around the connection. Release pressure by carefully loosening the connection**

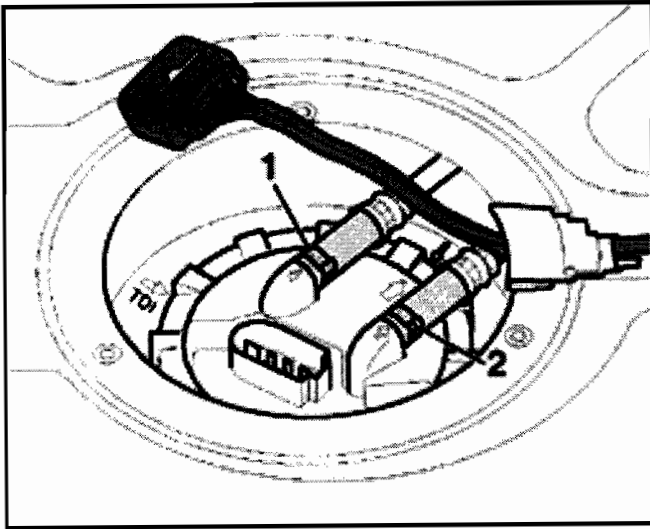
**Always wear eye protection and wear fuel-resistant gloves when disconnecting system connections**



- If fuel tank is more than  $\frac{1}{4}$  full, use FM 3000GH fuel cart and remove fuel to a level of  $\frac{1}{4}$  full
  - Remove luggage compartment floor covering and fold right rear seatback forward
- ⇐ Remove Phillips screws and cover on floor to access the fuel delivery unit -arrows-

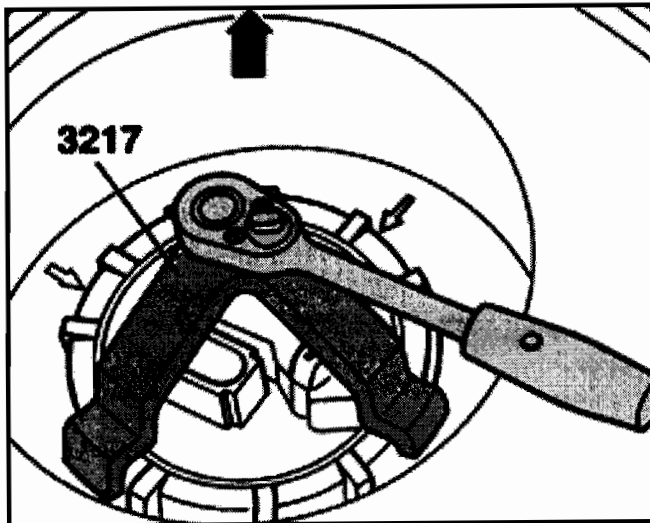


- ⇐ Carefully release 4-pin harness connector -arrow- and disconnect



⇐ Mark fuel supply line -2- and fuel return line -1- for reconnection

- Remove clamps and disconnect both fuel lines
- Cover fuel lines to prevent dirt or debris from contaminating fuel



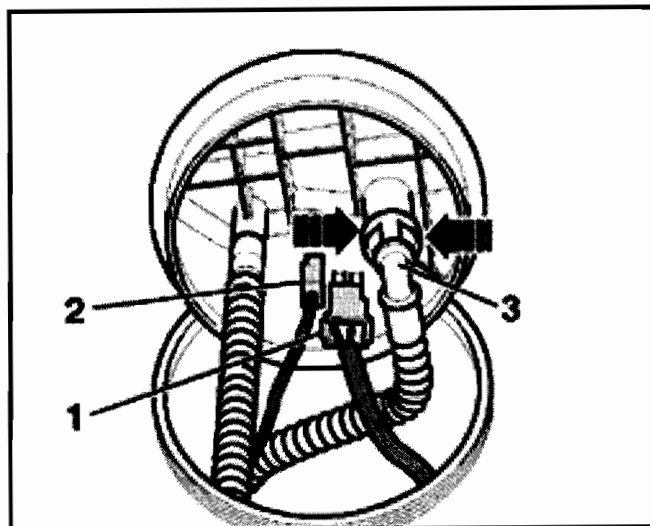
**⚠ WARNING!**

**Fuel delivery unit may only be removed when fuel tank is a maximum  $\frac{1}{4}$  full. A fuel tank more than  $\frac{1}{4}$  full may spill out a large amount of fuel.**

⇐ Use ring nut spanner tool 3217 and remove union nut

- Lift closing flange and remove sealing washer from fuel tank opening

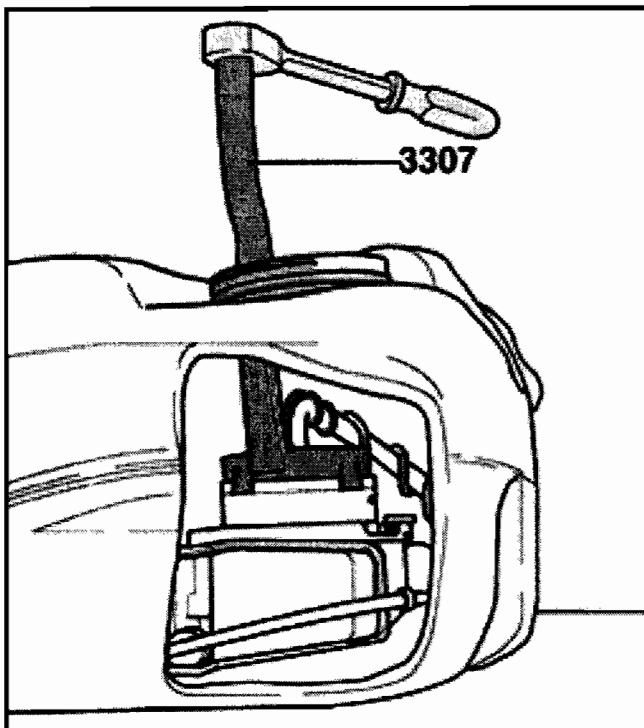
● Note: Black arrow in illustration is pointing toward front of vehicle




⇐ Disconnect harness connector -1- for sender for fuel gauge from underside of closing flange

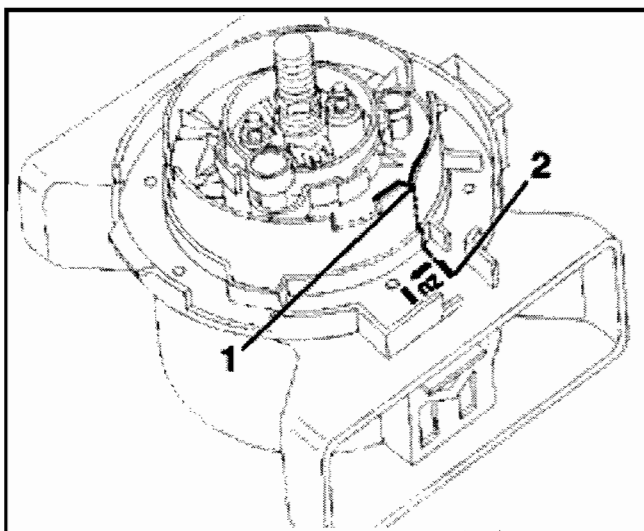
⇐ Disconnect fuel return line -3- from underside of flange by pressing release tabs -arrows- on connector


● Note: Harness connector -2- remains connected to closing flange




- ⇐ Insert 3307 fuel pump wrench into fuel tank opening and position on fuel delivery unit
- ⇐ Release fuel delivery unit by turning approximately 15° counterclockwise until it stops (bayonet connection)

 Note: For illustrative purposes, a cross-sectional view of fuel tank is shown

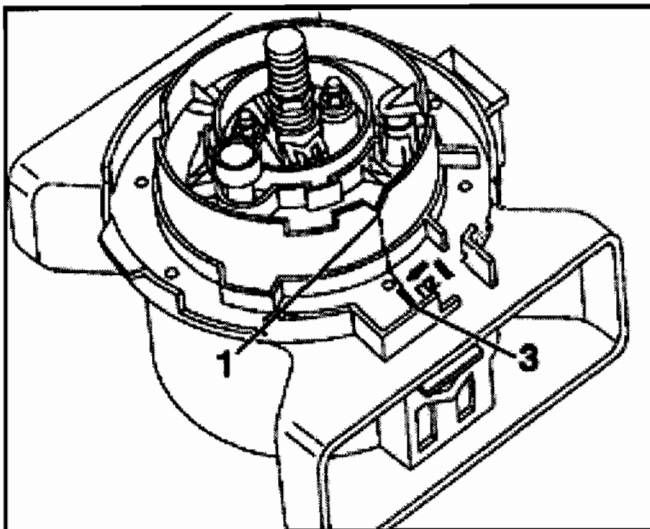


 Note: For illustrative purposes, fuel tank is not shown

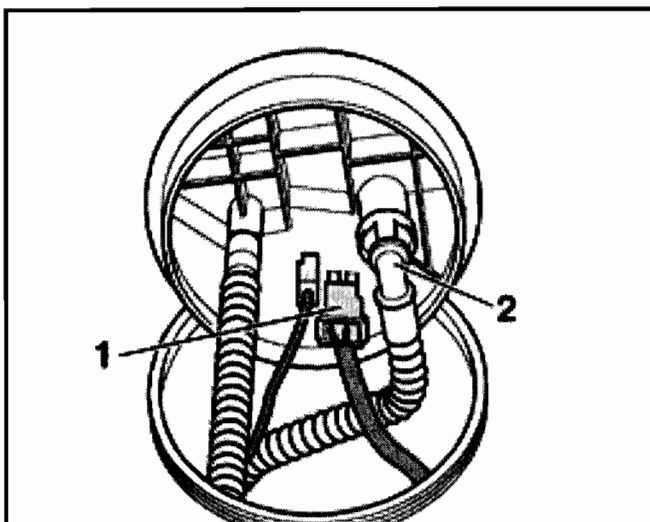
- ⇐ Remove fuel delivery unit from baffle housing when notch -1- is aligned with mark -2-

 Note: Fuel delivery unit contains fuel. Be careful not to let fuel drip on vehicle

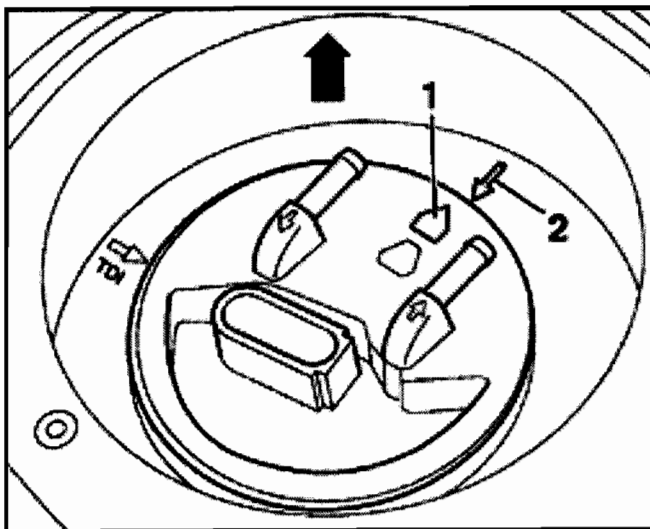
- ⇐ Insert new fuel delivery unit (8E0 906 087 D) into baffle housing
- ⇐ Align notch -1- on fuel delivery unit with marking -2- on baffle housing and press fuel delivery unit downward



- Insert 3307 fuel pump wrench into fuel tank opening and position on fuel delivery unit
- ⇐ Secure fuel delivery unit in position by turning approximately 15° clockwise until notch -1- aligns with marking -3- (bayonet connection) and remove fuel pump wrench 3307

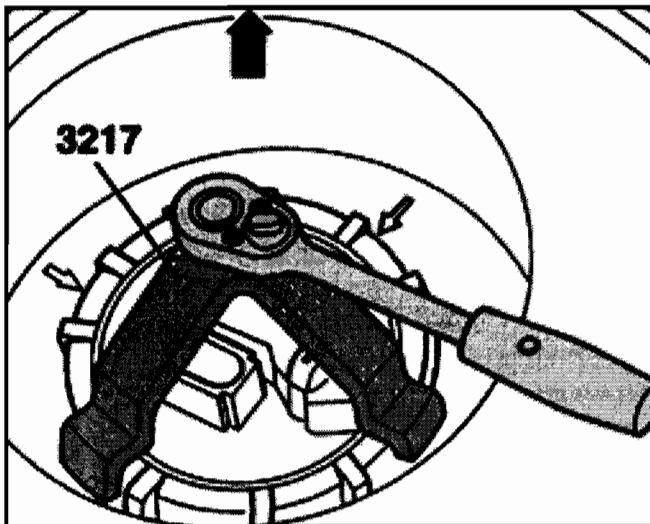


- ⇐ Reconnect fuel return line -2- to closing flange
- ⇐ Reconnect connector -1- for fuel gauge sender to closing flange
- Insert new dry sealing washer (1J0 919 133 A) into fuel tank opening

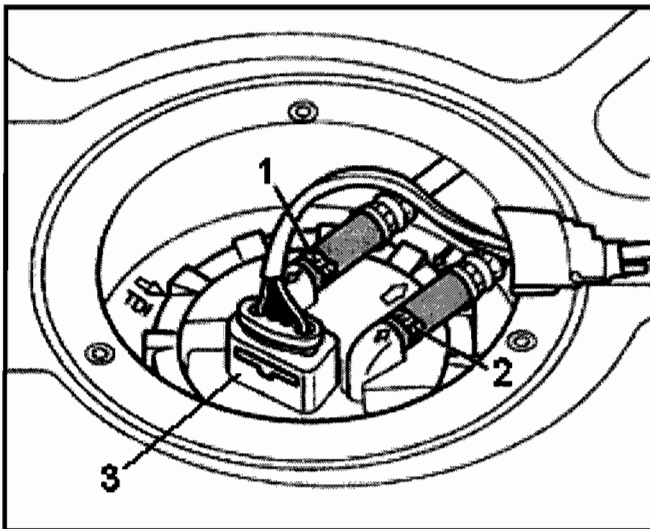


- Lubricate sealing washer with fuel, turn closing flange counter-clockwise and insert into sealing washer
- ⇐ Marking -1- on closing flange must align with arrow -2- on fuel tank

● Note: Black arrow in illustration is pointing toward front of vehicle  
**DO NOT** use "TDI" marking on fuel tank



- ⇐ Secure closing flange to fuel tank with union nut and using ring nut spanner tool 3217, tighten to 80 Nm (59 ft. lbs.)



- ⇐ Reconnect fuel return line -1- and fuel supply line -2- to closing flange and secure with new clamps (N 101 969 01)
- ⇐ Reconnect harness connector -3- to closing flange
- Reinstall closing flange cover and secure with Phillips screws
- Reposition luggage compartment floor covering and rear seat back
- If fuel was removed from vehicle, return fuel to the vehicle
- **Proceed to Section E**

## Section C – Fuel Delivery Unit Removal and Installation A4 quattro

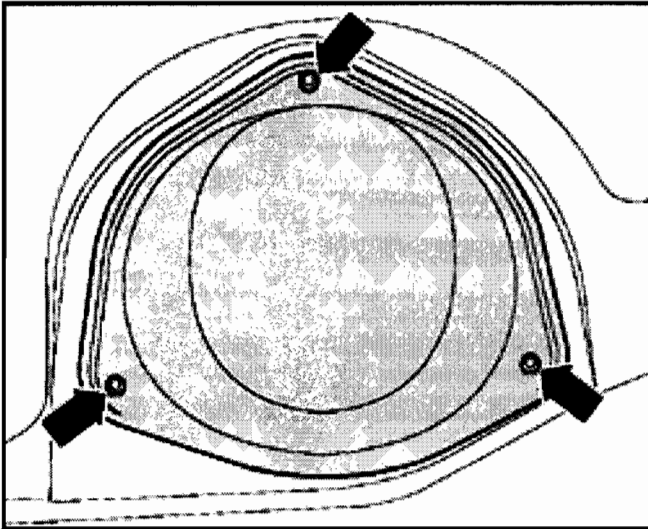


### WARNING!

**Fire hazard! Do not smoke, work near heaters or have anything in the area that could ignite fuel or fumes**

**Fuel system is under pressure! Before opening system, place a cloth around the connection. Release pressure by carefully loosening the connection**

**Always wear eye protection and wear fuel-resistant gloves when disconnecting system connections**



- If fuel tank is more than  $\frac{1}{4}$  full, use FM 3000GH fuel removal cart or equivalent and remove fuel to a level below  $\frac{1}{4}$  full

- Remove rear seat bottom

⇐ Remove Phillips screws -arrows- and cover for closing flange on right side of vehicle

### Vehicles with 1.8L Turbo Engine

⇐ Disconnect ventilation line -3- by pressing the release buttons

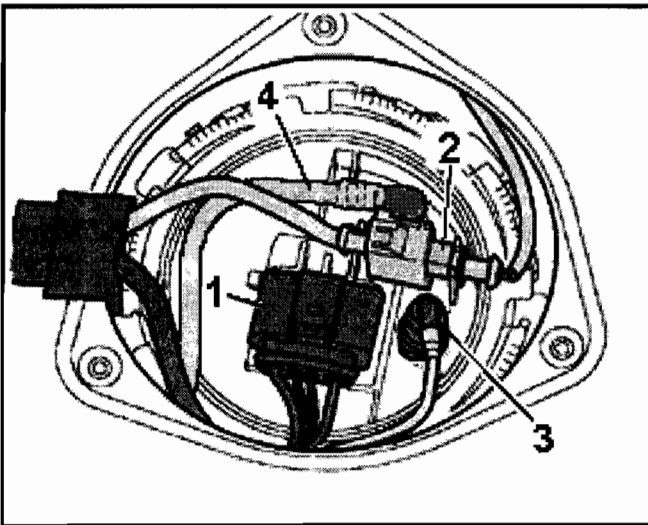
### Vehicles with 1.8L Turbo and 3.0L

⇐ Disconnect electrical harness connector -1-

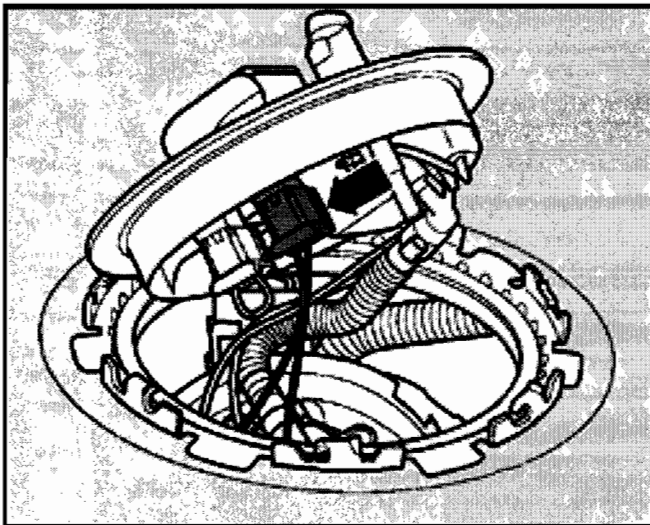
⇐ Unclip electrical harness connector -2- from closing flange and move aside

⇐ Disconnect fuel line -4- from closing flange by pressing release buttons

- Cover fuel line to prevent dirt or debris from contaminating fuel





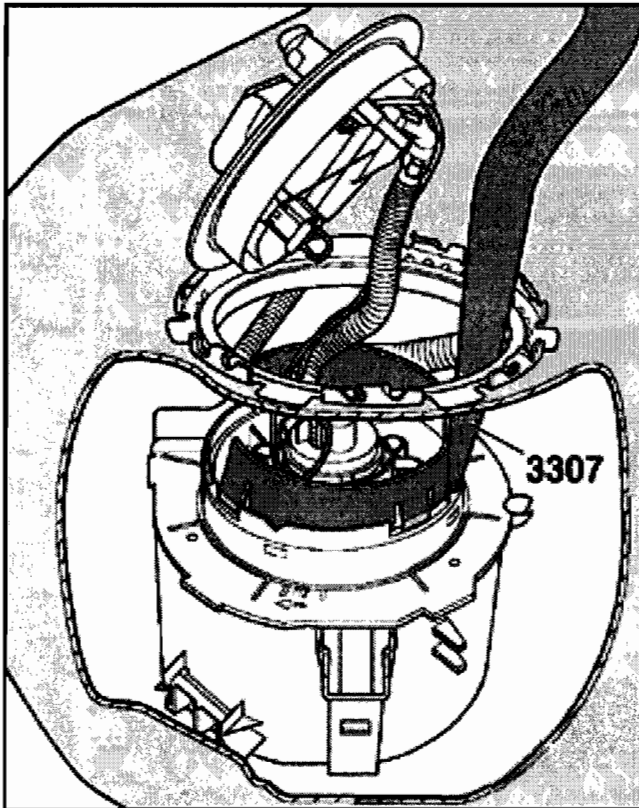


**⚠ WARNING!**

**Closing flange should only be opened if the fuel tank is a maximum  $\frac{1}{4}$  full. A fuel tank more than  $\frac{1}{4}$  full will spill out a large amount of fuel.**

- Remove locking ring using T10202 wrench
- Lift closing flange and remove sealing washer from fuel tank opening
- ⇐ Disconnect electrical connector -arrow- from underside of closing flange

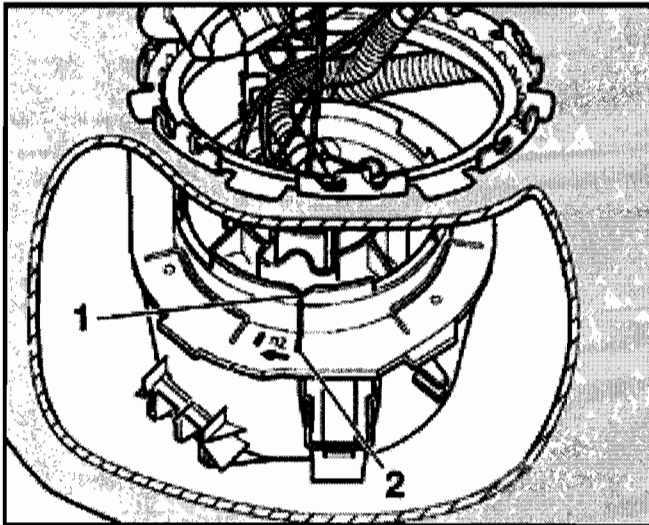
13



- ⇐ Insert 3307 fuel pump wrench into fuel tank opening and position on fuel delivery unit
- ⇐ Release fuel delivery unit by turning approximately  $15^\circ$  counterclockwise until it stops (bayonet connection)



**Note:** For illustrative purposes, a cross-sectional view of fuel tank is shown

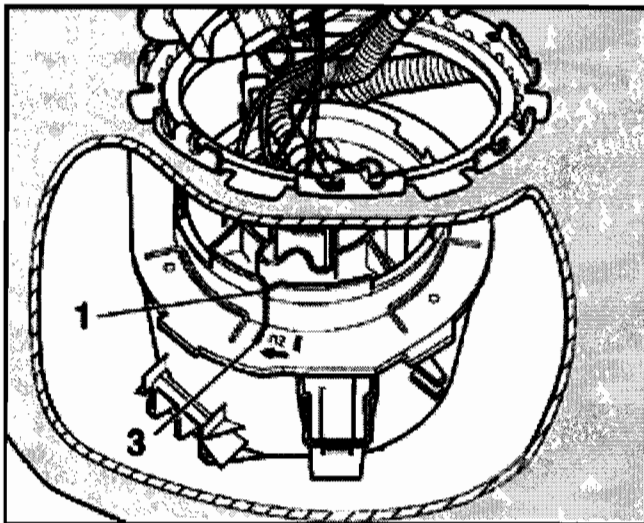


- ⇐ Remove fuel delivery unit from baffle housing when notch -1- is aligned with mark -2-

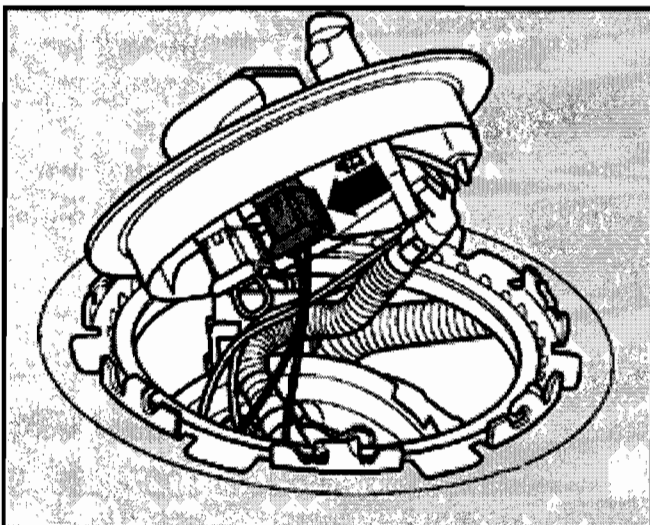
**Note:** Fuel delivery unit contains fuel. Be careful not to let fuel drip on vehicle

**NEW**

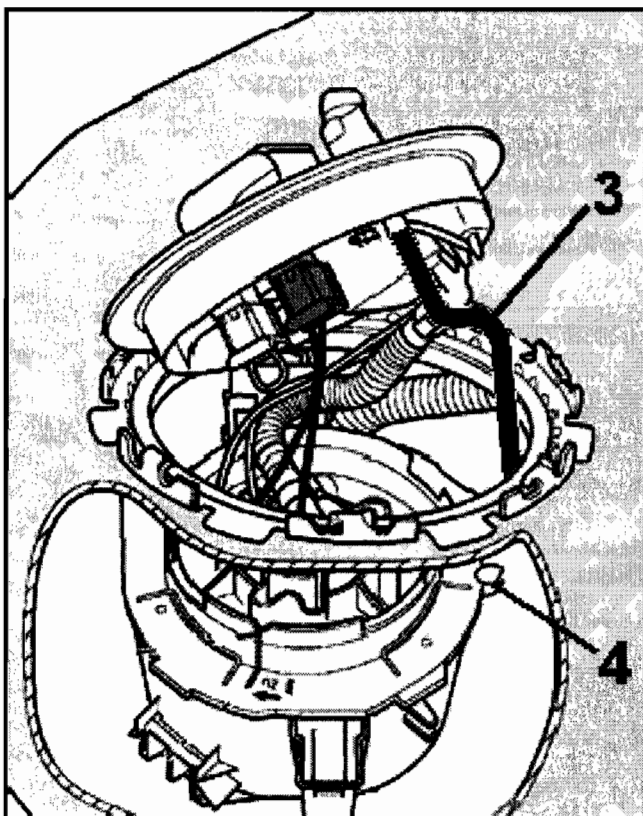
- ⇐ Insert new fuel delivery unit 8E0 906 087 P (for both 1.8T and 3.0L engines) into baffle housing
- ⇐ Align notch -1- on fuel delivery unit with marking -2- on baffle housing and press fuel delivery unit downward



- Insert 3307 fuel pump wrench into fuel tank opening and position on fuel delivery unit
- ⇐ Secure fuel delivery unit in position by turning approximately 15° clockwise until notch -1- aligns with marking -3- (bayonet connection) and remove fuel pump wrench 3307

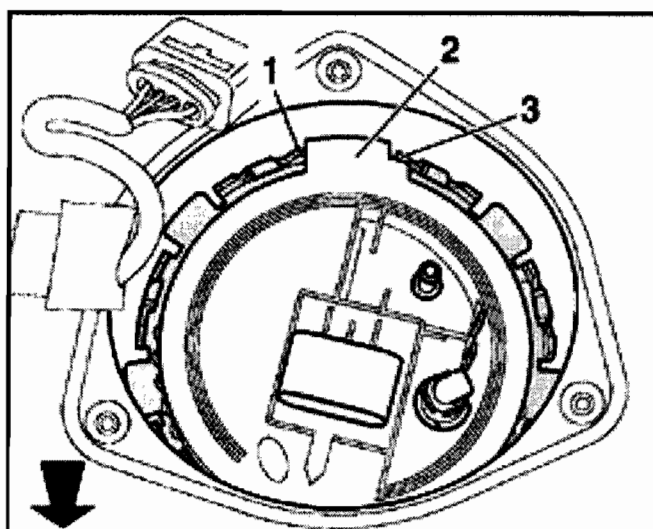


- ⇐ Reconnect electrical connector -arrow- onto underside of closing flange
- Install new closing flange seal dry (8E0 919 133 G) into fuel tank opening
- Lubricate sealing washer with fuel



#### Vehicles with 1.8L Turbo Engine

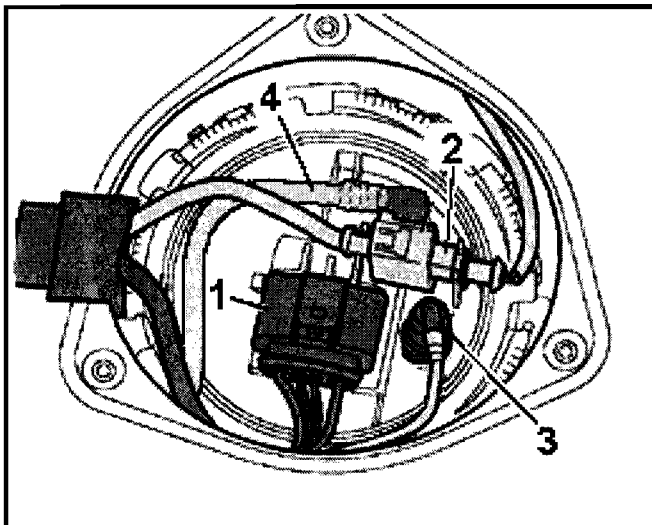
- ⇐ While pushing closing flange into fuel tank opening, guide vent line -3- into holder -4- on side of baffle



#### Vehicles with 1.8L Turbo and 3.0L Engine

- ⇐ Position tab -2- on locking flange between tabs -1- and -3- on fuel tank and push closing flange into sealing washer
- Secure closing flange with locking ring and tighten to 145 Nm (106 ft. lbs.) using T10202 wrench

**Note:** Arrow in illustration is pointing toward front of vehicle



⇐ Reconnect fuel line -4- to closing flange

⇐ Clip electrical harness connector -2- onto closing flange

⇐ Reconnect electrical harness connector -1-

#### **Vehicles with 1.8L Turbo engine**

⇐ Reconnect ventilation line -3-

#### **Vehicles with 3.0L engine**

⇐ Install cap (8E0 201 263 G) on ventilation line hole on pump at location -3-

**NEW**

#### **Vehicles with 1.8L Turbo and 3.0L**

- Reinstall closing flange cover and secure with Phillips screws
- Reinstall rear seat bottom
- If fuel was removed from vehicle, return fuel to the vehicle
- **Proceed to Section E**

## Section D - Fuel Delivery Unit Removal and Installation A6 quattro

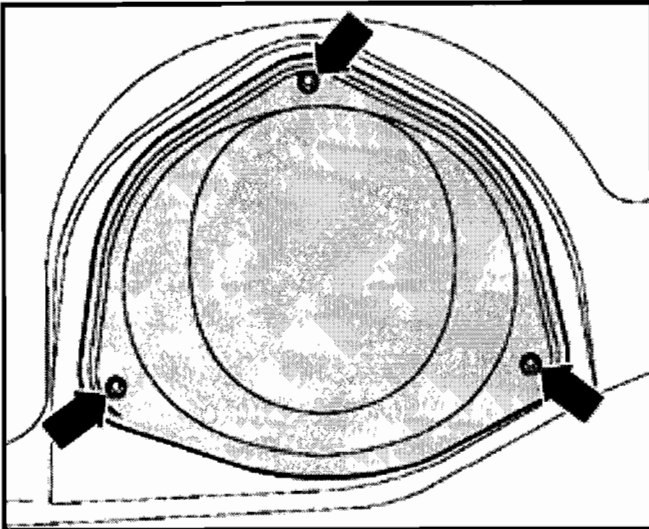


### WARNING!

**Fire hazard! Do not smoke, work near heaters or have anything in the area that could ignite fuel or fumes**

**Fuel system is under pressure! Before opening system, place a cloth around the connection. Release pressure by carefully loosening the connection**

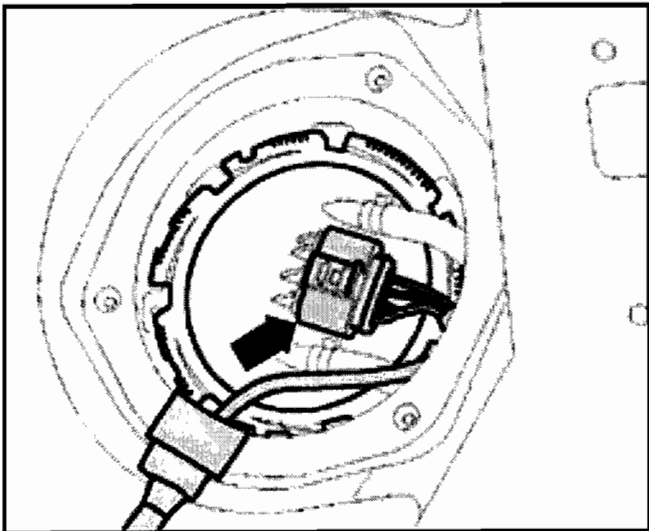
**Always wear eye protection and wear fuel-resistant gloves when disconnecting system connections**



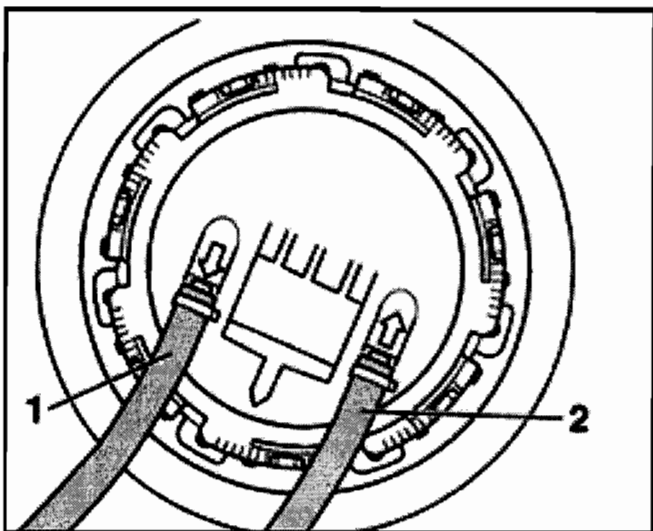
- If fuel tank is more than  $\frac{1}{4}$  full, use FM 3000GH fuel removal cart or equivalent and remove fuel to a level below  $\frac{1}{4}$  full

- Remove rear seat bottom

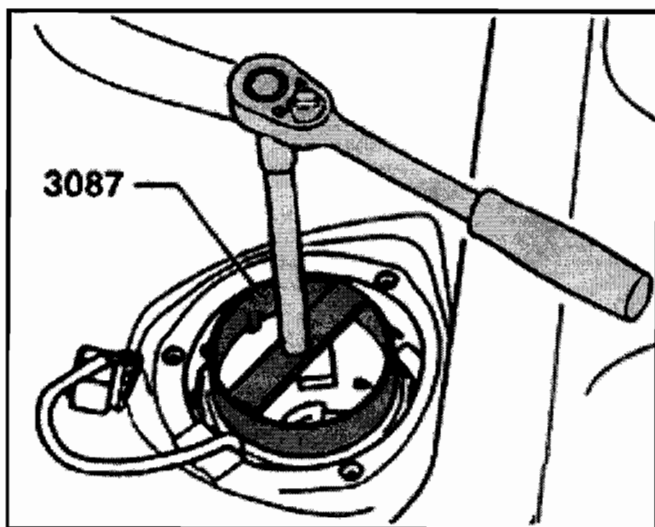
⇐ Remove Phillips screws -arrows- and cover for locking flange on right side of vehicle



⇐ Carefully release 4-pin harness connector -arrow- and disconnect



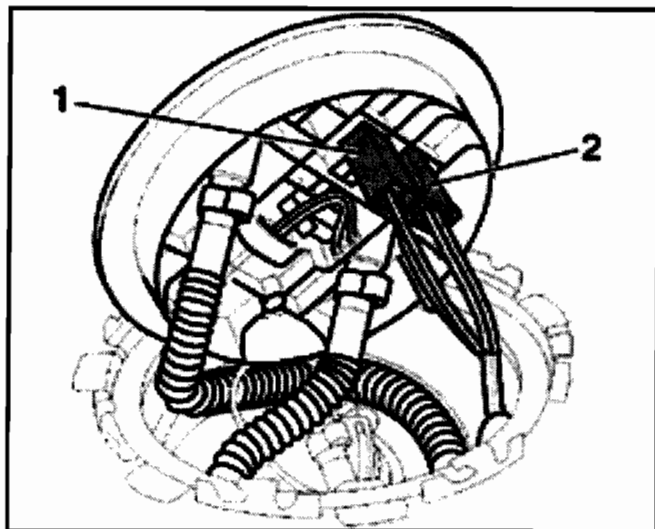
- ⇐ Mark fuel supply line -1- and return line -2- for reconnection and disconnect from closing flange
- Cover fuel lines to prevent dirt or debris from contaminating fuel



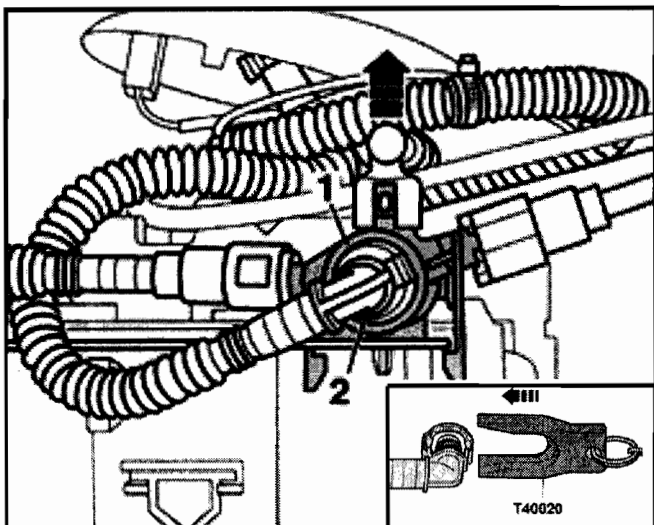
**⚠ WARNING!**

**Closing flange should only be opened if the fuel tank is a maximum  $\frac{1}{4}$  full. A fuel tank more than  $\frac{1}{4}$  full will spill out a large amount of fuel.**

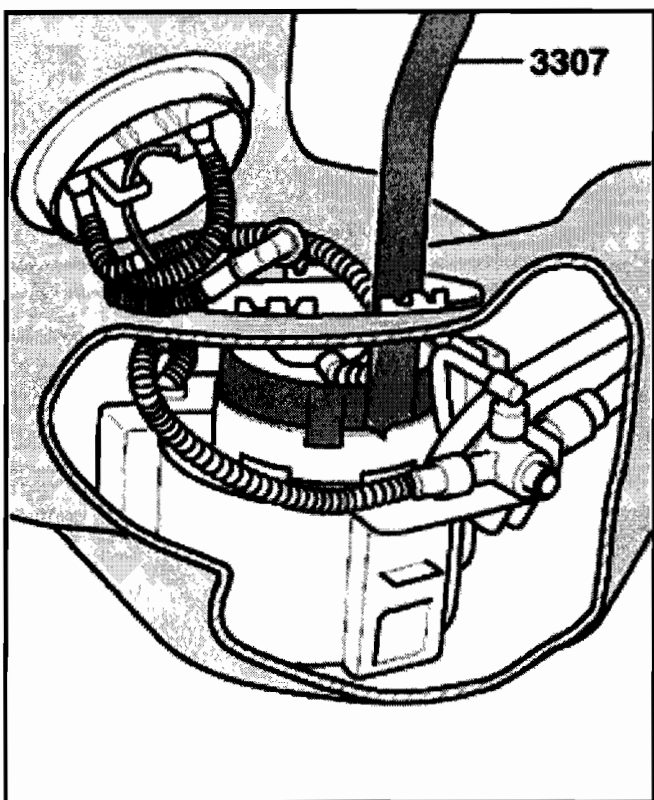
- ⇐ Remove locking ring using 3087 wrench or T10202 wrench
- Lift closing flange and remove sealing washer from fuel tank opening



- ⇐ Disconnect both harness connectors -1- and -2- for fuel gauge from underside of closing flange
- Make note of connector location for reconnection

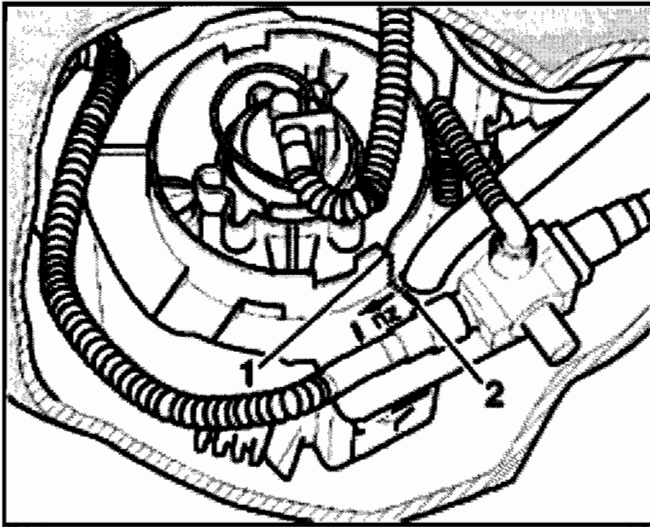


- ⇐ Disengage fuel distributor connector -1- from accumulator by pressing fuel distributor connector slightly to left side of vehicle and lift upward -arrow-
- ⇐ Disconnect fuel return line -2- from fuel distributor connector using unlocking tool T40020



- ⇐ Insert 3307 fuel pump wrench into fuel tank opening and position on fuel delivery unit
- ⇐ Release fuel delivery unit by turning approximately 15° counterclockwise until it stops (bayonet connection)

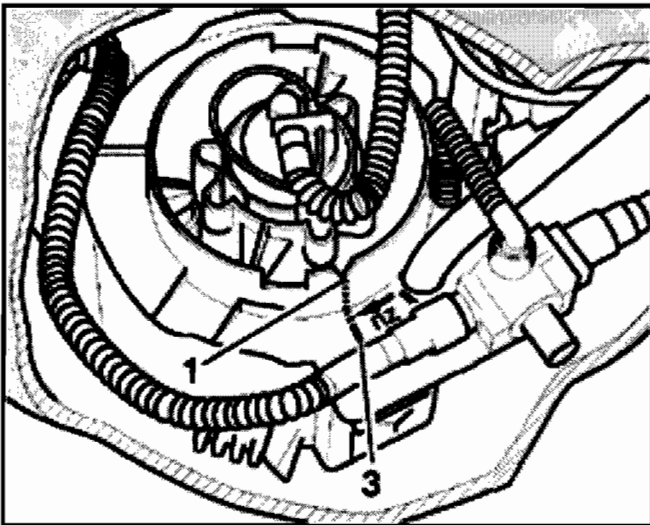
**Note:** For illustrative purposes, a cross-sectional view of the fuel tank is shown



- ⇐ Remove fuel delivery unit from baffle housing when notch -1- is aligned with mark -2-

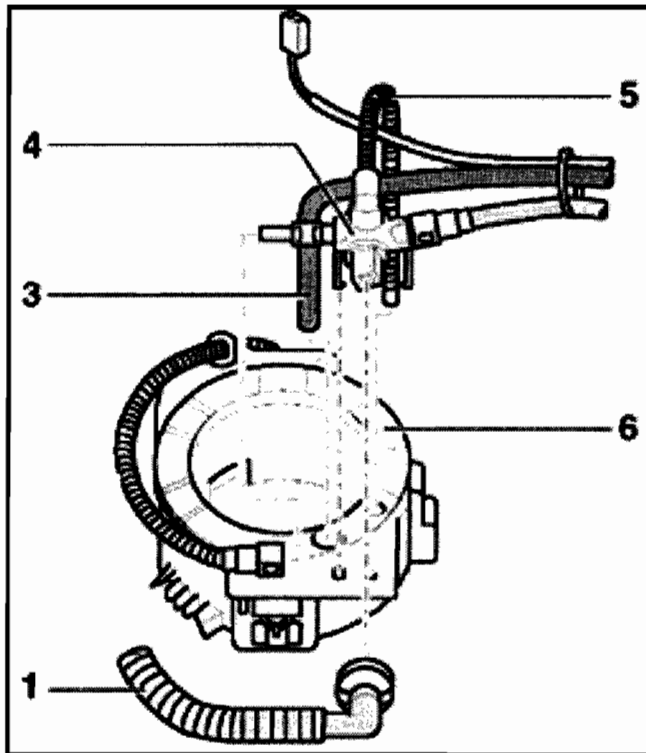
● Note: Fuel delivery unit contains fuel. Be careful not to let fuel drip on vehicle

- ⇐ Insert new fuel delivery unit (8E0 906 087 E) into baffle housing
- ⇐ Align notch -1- on fuel delivery unit with marking -2- on baffle housing and press fuel delivery unit downward

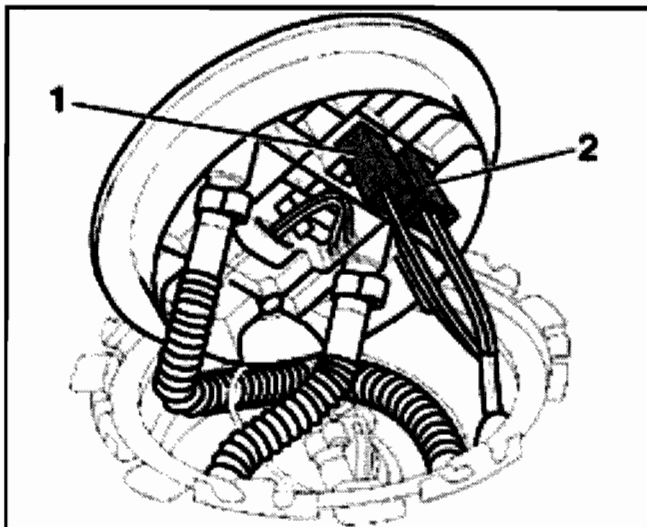


- Insert 3307 fuel pump wrench into fuel tank opening and position on fuel delivery unit
- ⇐ Secure fuel delivery unit in position by turning approximately 15° clockwise until notch -1- aligns with marking -3- (bayonet connection) and remove fuel pump wrench 3307

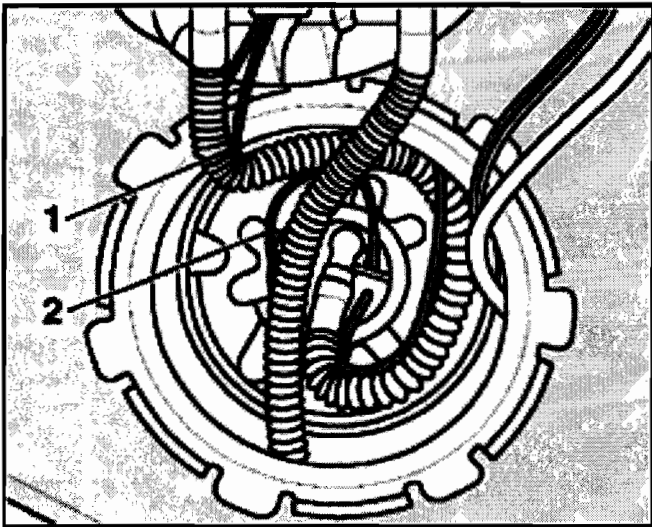




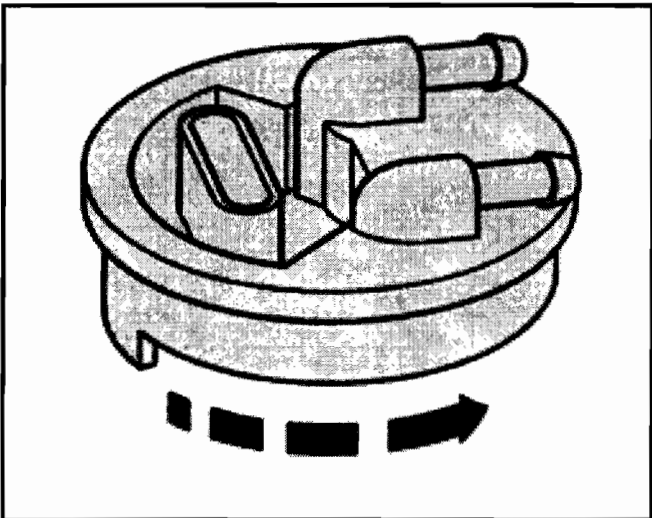
- ⇐ Insert solid line -3- and hose -5- into relevant openings of accumulator -6-
- ⇐ Lubricate O-rings inside fuel return line -1- connector with fuel and push connector onto distributor connector -4- until coupling engages
- ⇐ Re-clip distributor connector -4- onto accumulator -6- and check that the clips are holding



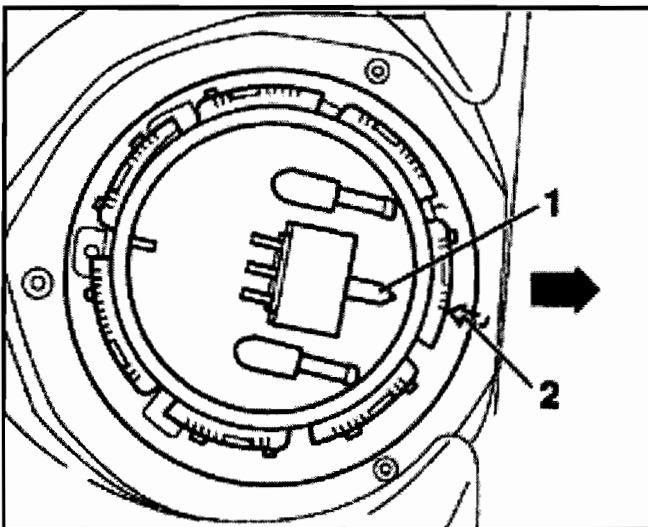
- ⇐ Reconnect both harness connectors -1- and -2- for fuel gauge to underside of closing flange
- Insert new dry sealing washer (8E0 919 133 B) dry into fuel tank opening



⇐ Ensure that wiring for fuel pump -2- and fuel return line -1- is correctly routed when installing closing flange




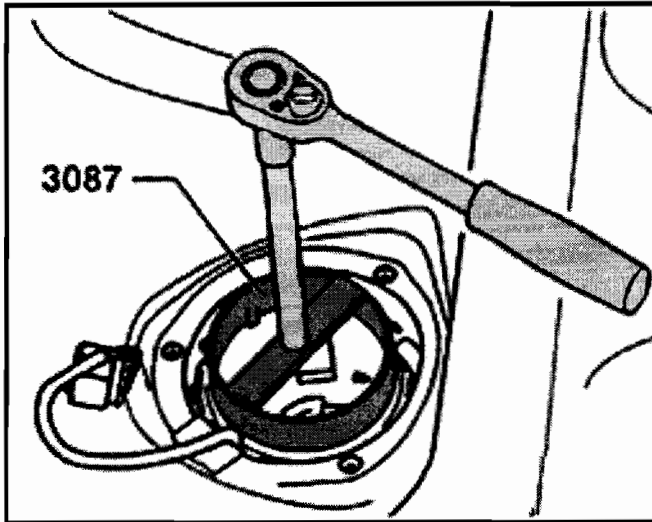
⇐ When installing closing flange, turn in direction of arrow, as shown in illustration



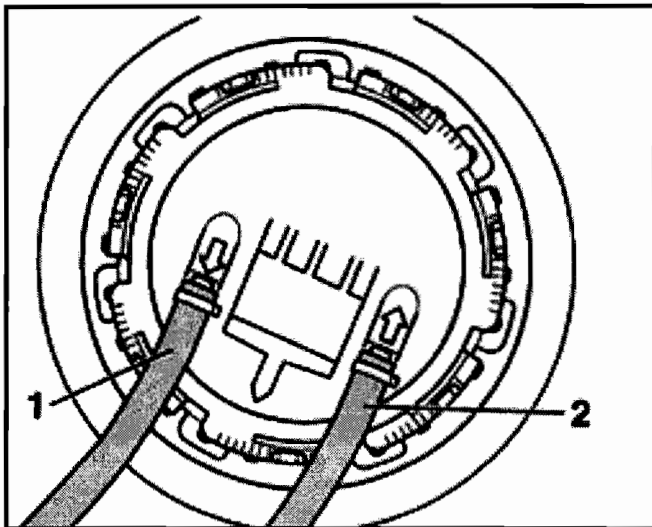
- Lubricate sealing washer with fuel

⇐ Insert closing flange into sealing washer making certain marking -1- is aligned with arrow -2- on fuel tank

 Note: Black arrow in illustration is pointing toward front of vehicle



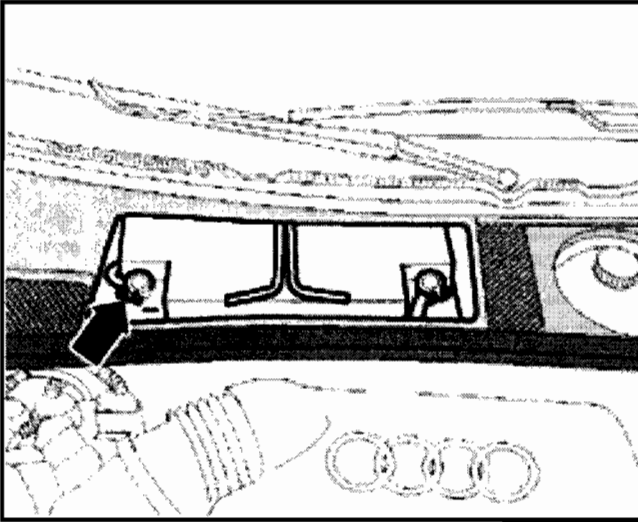
⇐ Secure closing flange with locking ring using 3087 wrench or T10202 and tighten to 145 Nm (106 ft. lbs.)



⇐ Connect fuel supply line -1- and return line -2- to closing flange and secure with new clamps (N 101 969 01)

- Reconnect 4-pin electrical connector
- Reinstall cover for closing flange with indentation over electrical connector and secure with Phillips screws
- Reinstall rear seat bottom
- If fuel was removed from vehicle, return fuel to vehicle
- **Proceed to Section E**

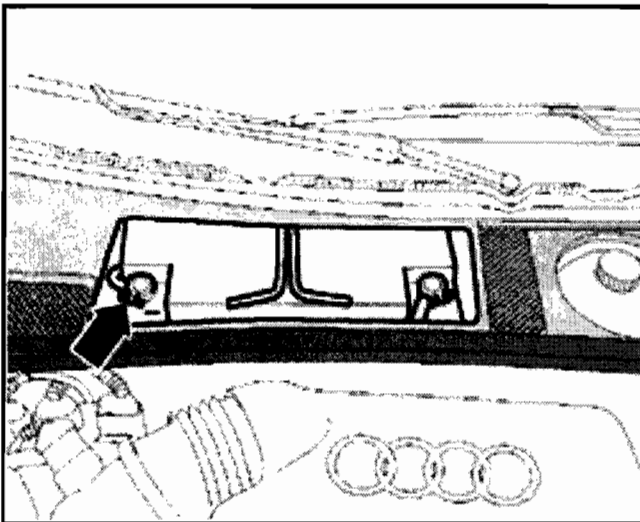
## Section E - Electronic and Comfort Settings Restoration



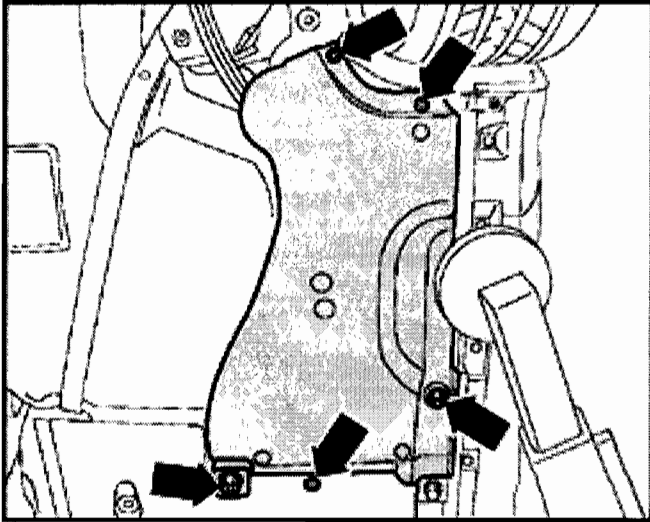
- ⇐ Reconnect the negative battery cable (GND) to the battery and tighten bolt to 5 Nm (44 in. lbs.)
- Start engine to check fuel delivery unit function. **If vehicle is A4 1.8L Turbo quattro** and fuel filter is making a rattling sound, **go to Section F**, otherwise continue
- If vehicle is equipped with Audi Telematics, by OnStar®, switch-on emergency (back up) battery for Telematic/Telephone control module after vehicle battery is reconnected
- If required, reactivate radio with radio code
- Reset window pinch protection
- Reset power door lock transmitter
- Reset time and date on clock
- Clear diagnostic trouble codes (DTCs) and reset readiness code
- If ESP fault light is illuminated in instrument panel, drive vehicle a few meters until light turns off
- Destroy and properly dispose of removed parts in accordance with local, state and federal/provincial environmental regulations

### WORK IS COMPLETE

## Section F - A4 1.8L Turbo quattro Fuel Filter Replacement

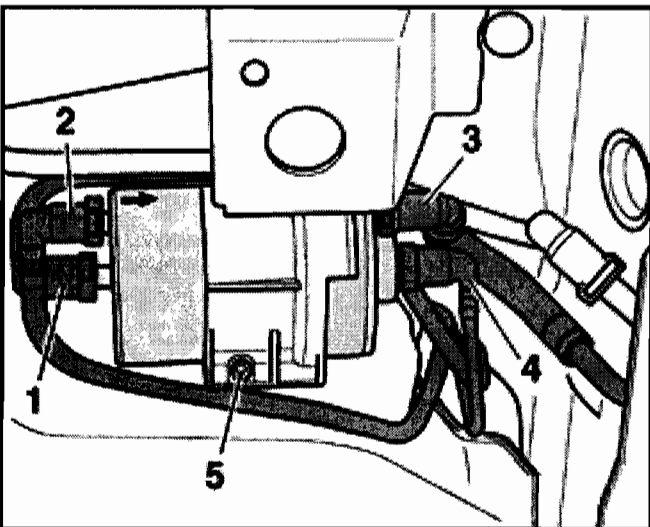


- Turn ignition switch to the off position and remove key
- ⇐ Open hood, remove battery cover and disconnect the negative battery cable (GND) from the battery
- Raise vehicle on hoist



⇐ Remove screws -arrows- and right cover next to fuel tank

- Place drip tray under fuel filter to catch fuel



#### **WARNING!**

**Fire hazard! Do not smoke, work near heaters or have anything in the area that could ignite fuel or fumes**

**Fuel system is under pressure! Before opening system, place a cloth around the connection. Release pressure by carefully loosening the connection**

**Always wear eye protection and wear fuel-resistant gloves when disconnecting system connections**

⇐ Disconnect fuel return line -1-, fuel supply from fuel tank -2-, fuel supply line to engine -3- and ventilation line -4-

⇐ Remove bolt -5- and fuel filter