

Safety Recall Code: 46P6

Subject

Brake Booster

Document History

| Date | Summary |
|------------|----------------------|
| 10/01/2024 | Original publication |

Affected Vehicles

| Country | Beginning Model Year | Ending Model Year | Vehicle | Vehicle Count |
|---------|-------------------------|----------------------|----------------|---------------|
| USA | 2019 | 2019 | E-TRON QUATTRO | 206 |
| CAN | 2019 | 2019 | E-TRON QUATTRO | 12 |

Check Campaigns/Actions screen in Elsa on the day of repair to verify that a VIN qualifies for repair under this action. Elsa is the <u>only</u> valid campaign inquiry & verification source.

- ✓ Campaign status must show "open."
- ✓ If Elsa shows other open action(s), inform your customer so that the work can also be completed at the same time the vehicle is in the workshop for this campaign.

Problem Description

It is possible that the bolt connection from the input rod on the brake pedal to the actuator rod on the brake booster was not performed according to manufacturing specifications. Because of this, the screw connection may disconnect. If a complete separation would occur, vehicle braking would only be possible using the emergency braking function, increasing the risk of a crash.

Corrective Action

Replace the brake booster.

Precautions:

If the recall condition is present in the vehicle, after applying and releasing the brake pedal the driver may notice an unusual noise or notice that the brake pedal does not return to its original position. In the event of a complete loosening of the screw fitting and the separation of the connection, braking is only possible by using the emergency braking function. Owners are reminded to consult the owner's manual for information regarding the emergency braking function. If there are vehicle concerns, contact an authorized Audi dealer to have the vehicle diagnosed without delay.

Code Visibility

On August 21, 2024, the campaign code was applied to affected vehicles.

Owner Notification

Owner notification will take place in October 2024. Owner letter examples are included in this bulletin for your reference.

Additional Information

Please alert everyone in your dealership about this action, including Sales, Service, Parts and Accounting personnel. Contact Warranty if you have any questions.

IMPORTANT REMINDER ON VEHICLES AFFECTED BY SAFETY & COMPLIANCE RECALLS

<u>New Vehicles in Dealer Inventory:</u> It is a violation of federal law for a dealer to deliver a new motor vehicle or any new or used item of motor vehicle equipment (including a tire) covered by this notification under a sale or lease until the defect or noncompliance is remedied. 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.

<u>Pre-Owned Vehicles in Dealer Inventory:</u> Dealers should not deliver any pre-owned vehicles in their inventory which are involved in a safety or compliance recall until the defect has been remedied.

Dealers must ensure that every affected inventory vehicle has this campaign completed <u>before</u> <u>delivery to consumers</u>.

Parts Information

| Criteria | Quantity | Part Number P.O.C. Part Description | | Ordering Method |
|----------|-----------------|------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------|
| 03 | 1 | 4KE-614-100-AC-BEF | 4KE-614-100-AC-BEF BRAKESERVO (confirm part number in ETKA) | |
| 04 | 1 | KE-614-100-AF-BEF BRAKESERVO (confirm part number in ETKA | | |
| | 1 | 4KE-614-303-B | ADAPTER | Reference POC |
| | 1 | 4KE-614-306-C | FASTENING | comments individually by part number, or in the |
| | 2 | N -107-247-01 | SCREW | POC Campaign List |
| ALL | 1 | 4E0-260-749-C | WASHER | |
| | 1 3D0-260-749-C | | WASHER | |
| | Up to 2 L | SEE ETKA/POC | DOT 4 BRAKE FLUID | |

| Initial Allocation: | There will be no parts allocation. |
|---------------------|------------------------------------|
|---------------------|------------------------------------|



Your dealer's Estimated Remaining Repairs by campaign can be found in Parts on Command.

Click on "View Campaign List" and review the Estimated Remaining Repairs column.

U NOTE

Campaign parts should always be ordered as per the parts information in this circular. The ordering system will supersede the part, if applicable.

Claim Entry Instructions

The labor times listed here may differ from the labor operations and labor times listed in ELSA.

After campaign has been completed, enter claim as soon as possible to help prevent work from being duplicated elsewhere. Attach the Elsa screen print showing action open on the day of repair to the repair order.

If a customer declines campaign work, refer to the "Customer Declines Campaign/Update Repair" section in the Campaign/Update Policy and Procedures Manual.

| Campaign/Update Policy and | d Procedures Manual. | | | | | |
|----------------------------|-------------------------------------------|------|----------------------------------------------------------------------------------------|--------------------------------------------------------------|-----------------------------------|------------------------------------|
| Service Number | 46P6 | | | | | |
| Damage Code | 0099 | | | | | |
| Parts Vendor Code | 002 | | | | | |
| Claim Type | Sold vehicle: 7 10 | | | | | |
| | Unsold vehicle: 7 90 | | | | | |
| Causal Indicator | Mark BRAK | ESE | ERVO* as o | ausal part | | |
| Vehicle Wash/Loaner | Do not clair | n wa | ısh/loaner ı | under this actio | n | |
| Criteria I.D. | 03 or 04 | | | | | |
| | | | | LA | BOR | |
| | Labor Op |) | Tim | ne Units | | Description |
| | 4770 19 6 | 0 | SE | E ELSA | Brake servo unit remove+reinstall | |
| | 4701 07 50 SEE ELSA | | E ELSA | Brake system bleed | | |
| | 6644 19 00** SEE ELSA (PR 9PA - without v | | owl panel trim remove+reinstall PPA - without wiper with integrated washer jet) | | | |
| | 6644 19 02 | ** | Cowl panel trim remove+reinsta SEE ELSA (PR 9PF - with wiper with integrat washer jet) | | • | |
| | **NOTE: C | laim | only one la | labor operation for cowl panel trim removal based on equipn | | el trim removal based on equipment |
| | 2706 89 5 | 0 | SE | EE ELSA Connect battery cha | | Connect battery charger |
| | 0150 00 6 | 0 | | e stated on ostic protocol (GFF/Guided Functions Operations) | | |
| | | | | P/ | ARTS | |
| | Criteria | O | Quantity | Part Number | | Description |
| | 03 | | 1.00 | 4KE614100A | ACBEF | BRAKESERVO* |
| | 04 | | 1.00 | 4KE614100 | AFBEF | (confirm part number in ETKA) |
| | | | 1.00 | 3D026074 | | WASHER |
| | | | 1.00 | | | WASHER |
| | ALL 1.00 4KE614306 2.00 N 1072470 | | 4KE614303B ADAPTER | | | |
| | | | | FASTENING | | |
| | | | | SCREW | | |
| | | Up | Up to 20.00 B 0007 | | 0S0 | Brake Fluid |

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. ©2024 Audi of America, Inc. and Audi Canada. All Rights Reserved.

Customer Letter Example (USA)

<MONTH YEAR>

<CUSTOMER NAME>
<CUSTOMER ADDRESS>
<CUSTOMER CITY STATE ZIPCODE>

This notice applies to your vehicle: <MODEL YEAR> <BRAND> <CARLINE>, <VIN>

NHTSA: 24V621

Subject: Safety Recall 46P6 - Brake Booster

Dear Audi Owner.

This notice is sent to you in accordance with the National Traffic and Motor Vehicle Safety Act. Audi has decided that a defect, which relates to motor vehicle safety, exists in certain 2019 model year Audi vehicles. Our records show that you are the owner of a vehicle affected by this action.

What is the issue?

It is possible that the bolt connection from the input rod on the brake pedal to the actuator rod on the brake booster was not performed according to manufacturing specifications. Because of this, the screw connection may disconnect. If a complete separation would occur, vehicle braking would only be possible using the emergency braking function, increasing the risk of a crash.

What will we do?

To correct this defect, your authorized Audi dealer will replace the brake booster. This work will take about four hours to complete and will be performed for you free of charge. Please keep in mind that your dealer may need additional time for the preparation of the work, as well as to accommodate their daily workshop schedule.

What should you do?

Please contact your authorized Audi dealer without delay to schedule this recall work. For your convenience, you can also visit www.audiusa.com and click on the "Find a Dealer" link to locate a dealer near you and schedule this service.

Precautions you should take:

If the recall condition is present in the vehicle, after applying and releasing the brake pedal the driver may notice an unusual noise or notice that the brake pedal does not return to its original position. In the event of a complete loosening of the screw fitting and the separation of the connection, braking is only possible by using the emergency braking function. Owners are reminded to consult the owner's manual for information regarding the emergency braking function. If there are vehicle concerns, contact an authorized Audi dealer to have the vehicle diagnosed without delay.

Additional Information

- If you are the lessor and registered owner of the vehicle identified in this action, the law requires you to forward this letter immediately via first-class mail to the lessee within ten (10) days of receipt.
- If your authorized Audi dealer fails or is unable to complete this work free of charge within a reasonable time, if you have changed your address or no longer own the vehicle identified in this letter, or if you should have any questions about this communication, please contact Audi Customer Experience at 1-800-253-2834 or via our "Contact Us" page at www.audiusa.com.
- If you still cannot obtain satisfaction, you may file a complaint with: The Administrator, National Highway Traffic Safety Administration, 1200 New Jersey Avenue, SE., 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.
- To check your vehicle's eligibility for repair under this or any other recall/service campaign, please visit the Recall/Service Campaign Lookup tool at www.audiusa.com and enter your Vehicle Identification Number (VIN).
- If you have previously paid for repairs relating to the condition described in this letter, the enclosed form explains how
 to request reimbursement. We would be pleased to review your reimbursement request.

We apologize for any inconvenience this matter may cause; however, we are taking this action to help ensure your safety and continued satisfaction with your vehicle.

Sincerely,

Audi Customer Protection

Customer Letter Example (Canada)

<MONTH YEAR>

<CUSTOMER NAME>

<CUSTOMER ADDRESS>

<CUSTOMER CITY STATE ZIPCODE>

This notice applies to your vehicle: <MODEL YEAR> <BRAND> <CARLINE>, <VIN>

Transport Canada Recall: 2024-484

Subject: Safety Recall 46P6 - Brake Booster

Dear Audi Owner,

This notice is sent to you in accordance with the requirements of the *Motor Vehicle Safety Act*. This is to inform you that your vehicle may contain a defect that could affect the safety of a person. Our records show that you are the owner of a vehicle affected by this action.

What is the issue?

It is possible that the bolt connection from the input rod on the brake pedal to the actuator rod on the brake booster was not performed according to manufacturing specifications. Because of this, the screw connection may disconnect. If a complete separation would occur, vehicle braking would only be possible using the emergency braking function, increasing the risk of a crash.

What will we do?

To correct this defect, your authorized Audi dealer will replace the brake booster. This work will take about four hours to complete and will be performed for you free of charge. Please keep in mind that your dealer may need additional time for the preparation of the work, as well as to accommodate their daily workshop schedule.

What should you do?

Please contact your authorized Audi dealer without delay to schedule this recall work.

Precautions you should take:

If the recall condition is present in the vehicle, after applying and releasing the brake pedal the driver may notice an unusual noise or notice that the brake pedal does not return to its original position. In the event of a complete loosening of the screw fitting and the separation of the connection, braking is only possible by using the emergency braking function. Owners are reminded to consult the owner's manual for information regarding the emergency braking function. If there are vehicle concerns, contact an authorized Audi dealer to have the vehicle diagnosed without delay.

Additional Information

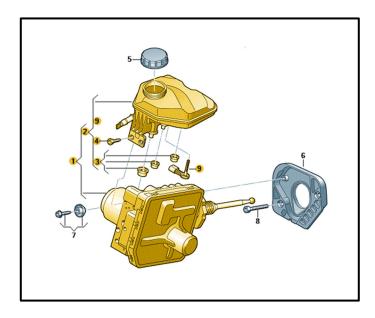
- If you are the lessor and registered owner of the vehicle identified in this letter, you shall forward this letter (and any subsequent notice, if applicable) to the lessee within ten (10) days of receipt.
- If your authorized Audi dealer fails or is unable to complete this work free of charge within a reasonable time, if you have
 changed your address or no longer own the vehicle identified in this letter, or if you should have any questions about this
 communication, please contact Audi Customer Relations Monday through Friday from 8AM to 8PM EST at 1-800-8222834 or via our "Contact Audi Canada" page at www.audi.ca.
- If you have previously paid for repairs relating to the condition described in this letter, the enclosed form explains how to request reimbursement. We would be pleased to review your reimbursement request.

We apologize for any inconvenience this matter may cause; however, we are taking this action to help ensure your safety and continued satisfaction with your vehicle.

Sincerely,

Audi Customer Protection

Repair Overview



- Replace Brake Pressure Unit.
- Return the removed brake pressure unit, adapter, and attaching element for analysis.

U NOTE

- These repair instructions may differ from the labor operations and labor times listed in ELSA.
- Damages resulting from improper repair or failure to follow these work instructions are the dealer's responsibility and are not eligible for reimbursement under this action.
- This procedure must be read in its entirety prior to performing the repair.
- Due to variations in vehicle equipment and options, the steps/illustrations in this work procedure may not identically match all affected vehicles.
- Diagnosis and repair of pre-existing conditions in the vehicle are not covered under this action.
- When working during extreme temperatures, it is recommended that the vehicle be allowed to acclimate inside the shop to avoid temperature-related component damage/breakage.

Required Tools



Puller - Windshield Wiper -T40394-



R1234yf Air Conditioning Service Unit -ROB1234YFXor -VAS581005-



Brake Filling and Bleeding Equipment
-VAS6860(or equivalent)



Brake Bleeding Tool Set
-VAS6564(or equivalent)



Warning Sign - High Voltage -VAS6649-



Warning Sign - "Do Not Switch On" -VAS6650A-



Padlock
-T40262/1(from Service Disconnect
Lock -T40262-)



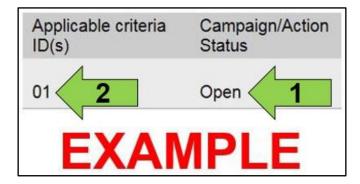
Brake Servo Release Tool -T40136-

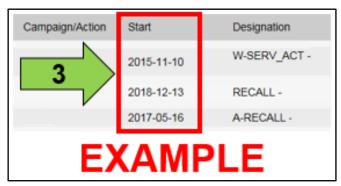


Engine Bung Set
-VAS6122(or equivalent)

Repair Instruction

Section A - Check for Previous Repair





• Enter the VIN in Elsa and proceed to the "Campaign/Action" screen.



On the date of repair, print this screen and keep a copy with the repair order.

- Confirm the Campaign/Action is open <arrow 1>. If the status is closed, no further work is required.
- Note the Applicable Criteria ID <arrow 2> for use in determining the correct work to be done and corresponding parts associated.



All campaigns/actions with a repair available must be performed in order of the Start date <arrow 3>. The oldest should be performed first (unless otherwise noted in the repair instructions).

Proceed to Section B.

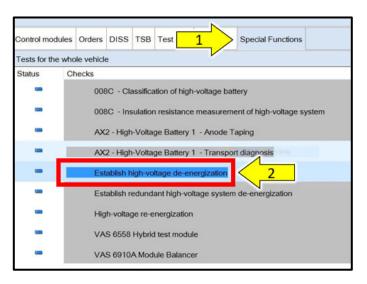
Safety Precautions When Working NEAR the High-voltage System (additional information is also available in the ELSA Repair Manual)

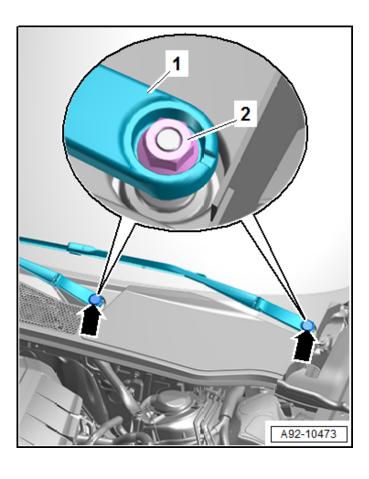
A DANGER

Extremely dangerous due to high voltage.

- The voltage levels in the high-voltage system constitute a safety hazard. Danger of severe or fatal injuries from electric shock if high-voltage components or high-voltage wiring are damaged.
- Carry out a visual check of high-voltage components and high-voltage wiring.
- Never use cutting/forming tools or other sharp-edged implements.
- Never perform work using welding, brazing, thermal bonding or hot air in the area of high-voltage components and high-voltage cables.

Section B - Repair Procedure



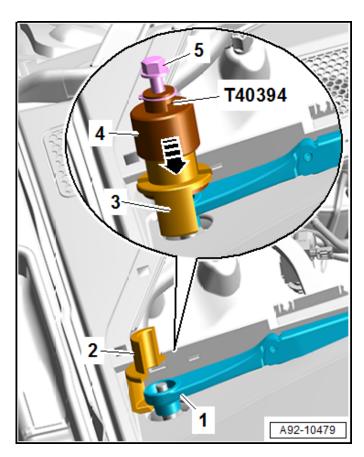


De-energize HV system:

- Follow the GFF test plan for disabling the high voltage system:
 - Perform a diagnostic scan of the vehicle.
 - Select the "Special Functions" tab<1>.
 - Perform the "Establish high-voltage de-energization" test plan <2>.
- Pay close attention to the test plan instructions when de-energizing the high-voltage system.
- The test plan will guide you through all of the de-energization steps. READ EACH SCREEN CAREULLY!!
- Refer to the Function Description tabs if necessary.
- Save the diagnostic session.

Remove windshield wiper arms:

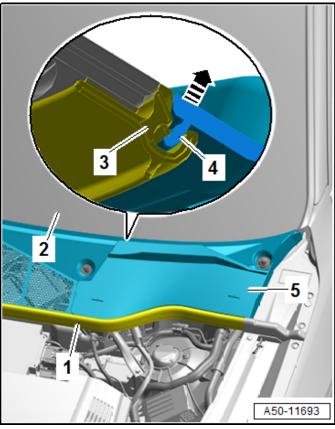
- Mark the current position of the wiper arms with masking tape, for example.
- Pry off the caps <arrows>.
- Remove nuts <2>.



- Position the hook <2> on the windshield wiper arm <1>.
- Position the -T40394- on the opposite side of the windshield wiper arm and latch the pivoting hook <3>.
- Push the locking ring <4> downward in direction of <arrow>.
- Turn the bolt <5> clockwise until the windshield wiper arm is removed from the windshield wiper axle.
- Remove the windshield wiper arms.

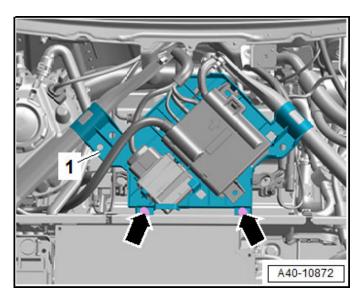


If vehicle is equipped with wiper arms integrated with washer nozzles, the washer fluid hoses will have to be freed up. See ELSA Repair Manual, group 92 for more information if needed.



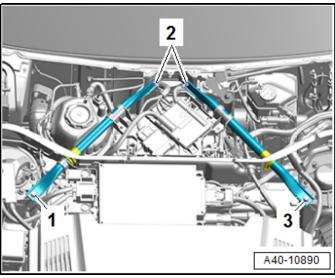
Remove plenum chamber cover:

- Remove the seal <1>.
- Coat the transition between the windshield
 2> and the plenum chamber cover <5> with soapy water.
- Starting at the glass edge, carefully remove the plenum chamber cover from the windshield retainer by lifting it vertically upward.
- Remove the plenum chamber cover <5> by carefully removing the plenum chamber cover tab <4> in the direction of <arrow> from the windshield mount <3>.

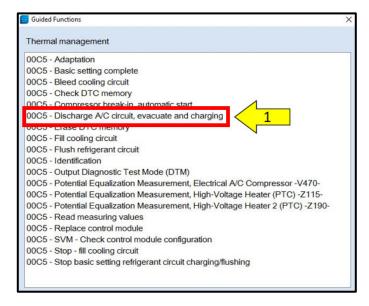


Remove left (driver side) tower brace:

 Remove the expanding clips <arrows> and remove the bracket <1> for Windshield Washer Pump Control Module -J1100-.



 Remove the bolt <3> and nut <2> (left side) and remove the left (driver side) tower brace.



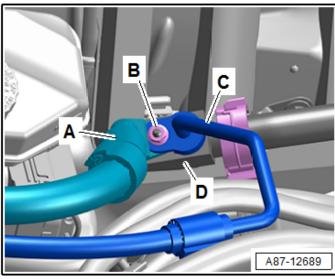
Open refrigerant system valves:

- Follow the test plan for opening the refrigerant system valves:
 - Open the Guided Functions menu for Thermal Management by right clicking on Address 00C5.
 - Perform the test "00C5 Discharge A/C circuit, evacuate and charging" <1>.



Evacuate A/C system:

- Perform the procedure as described in the A/C Service Station Owner's Manual.
- The quantity of refrigerant oil in the A/C Service Station is checked and if necessary corrected.
- The refrigerant quantity in the A/C Service Station is checked and if necessary corrected.
- For more information, refer to the Repair Manual:
 - ELSA Repair Manual: Repair manual
 Heating, Ventilation & Air
 Conditioning > Refrigerant R1234yf
 Servicing

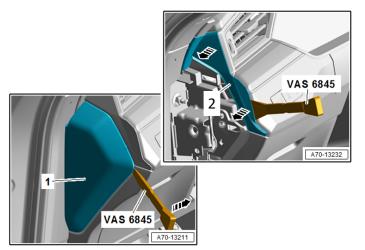


Unbolt refrigerant lines:

- Remove nut .
- Remove lines <A> and <C>.

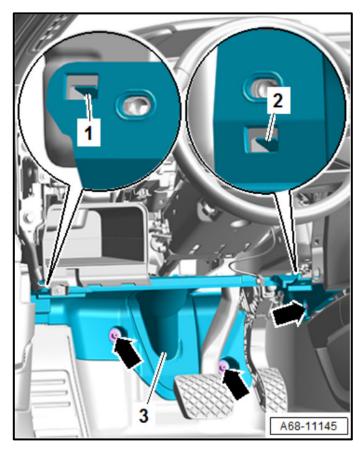


 Immediately seal all openings with seals from -6122- kit.



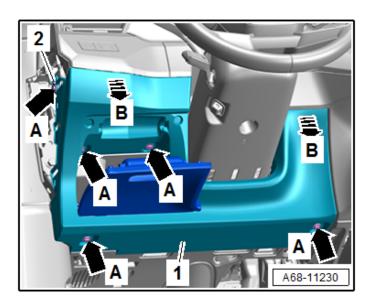
Remove instrument panel side covers:

Carefully pry off instrument panel side covers
 1> and <2> using the -VAS6945-.



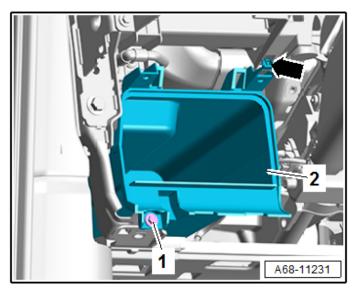
Remove driver side footwell cover:

- Remove two nuts and one bolt <arrows>.
- Release the catches <1 and 2> using a flathead screwdriver and remove the footwell cover on the driver side <3> downward.
- Disengage the diagnostic connection on the footwell cover.
- Equipped on some models: disconnect the connectors for the footwell lamp, parking aid speaker and the emergency call speaker.
- Remove the footwell cover on the driver side toward the rear.



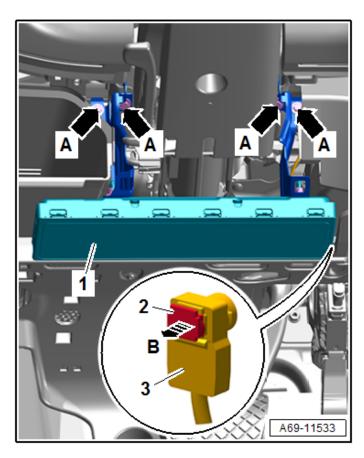
Remove driver side instrument panel cover:

- Open the storage compartment.
- Remove the bolts <A arrows>.
- Disengage the instrument panel cover on the side at the pin <2>.
- Unclip the driver side instrument panel cover
 1> by hand or with the -3409- from the instrument panel <B arrows>.
- Remove the driver side instrument panel cover.



Remove storage compartment:

- Remove the bolt <1>.
- Release the catch <arrow> using a flat-head screwdriver and disengage storage compartment <2> downward.
- Remove the storage compartment toward the rear.



Remove knee airbag:

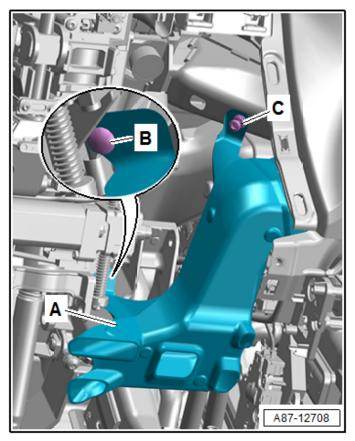
- Move the steering wheel as far up and backward as possible to be able to use the entire steering column adjustment range.
- Remove the bolts <A arrows>.
- Disengage the knee airbag <1> with the brackets on the crossmember.
- Carefully remove the knee airbag with the brackets, until the connector <3> can be disconnected.
- Release the connector lock <2> with a small flat-head screwdriver <arrow B>.
- Disconnect the connector from the knee airbag igniter.



Pyrotechnical components can deploy unintentionally.

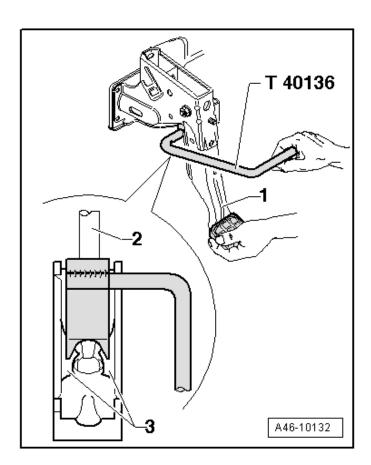
Risk of injury.

Discharge the static electricity: quickly touch the door striker.



Remove footwell vent:

- Remove the expanding rivets <B and C>.
- Remove the left footwell vent <A> from the heater and A/C unit.



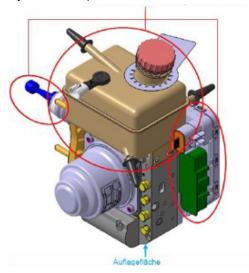
Disconnect brake pedal from brake pressure unit:

- Press and hold the brake pedal in the direction of the brake pressure unit.
- Insert the Brake Servo Release Tool -T40136and pull in the direction of the driver seat while counterholding at the brake pedal <1> so that it does not move backward. While doing so, the mount retaining tabs <3> will be pushed out of the pushrod ball head <2>.
- Pull the Brake Servo Release Tool -T40136and the brake pedal together toward the driver seat. This will pull the brake pedal off the pushrod ball head.

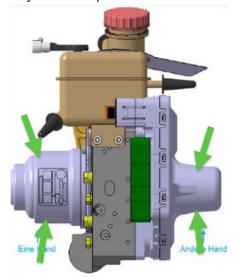


When removing the brake pressure unit, it must be handled with care.

DO NOT handle or carry the brake pressure unit in the areas marked in the red circles:



Only handle or carry the brake pressure unit in these areas <arrows>:



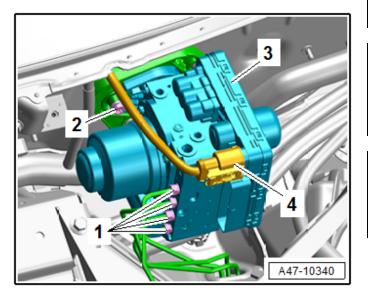
Removing brake pressure unit:

- To prevent spillage, drain the brake fluid reservoir using the -VAS6860-.
- Disconnect the connectors <4>.
- To prevent brake fluid from escaping, place enough lint-free cloths in the area under the brake pressure unit.



Leaking brake fluid increases the risk of injury. Risk of skin irritation and injury.

Wear safety gloves.



A CAUTION

Risk of destroying the brake lines by bending.

Never change the shape of the brake lines.

A damaged or bent brake line must be replaced.

• NOTE

Brake fluid reservoir shown removed. The brake fluid reservoir does not require removal when replacing the brake pressure unit.

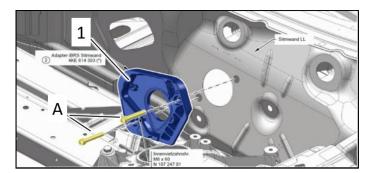
- Remove the union bolts <1> for the brake lines, then remove the brake lines from the brake pressure unit and move them slightly to the side.
- Immediately seal the open brake line connection points.
- Remove the bolt <2>.
- Carefully hold the A/C lines and brakes lines to the side with the aid of a second technician.
- Carefully remove the brake pressure unit <3> from the plenum chamber:
 - Rotate brake pressure unit slightly and remove diagonally upward toward the passenger side.

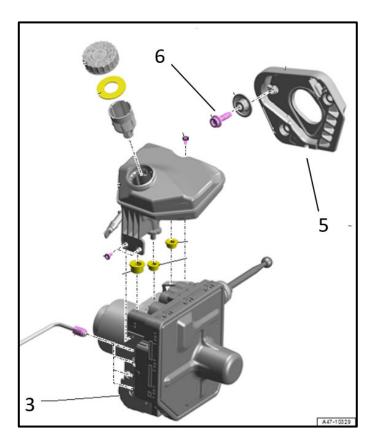
Install new adapter:

• Install new adapter <1>.

| Part Number | Part Description |
|---------------|------------------|
| 4KE-614-303-B | Adapter |

Torque bolts <A> to 24 Nm.





Install the new brake pressure unit in the reverse order of removal:

| Crit. | Part Number | Part Description |
|-------|--------------------|-------------------------------|
| 03 | 4KE-614-100-AC BEF | Brake Pressure Unit |
| 04 | 4KE-614-100-AF BEF | (confirm part number in ETKA) |

- Clean all sealing surfaces before installing the brake pressure unit.
- Thoroughly clean the rest of the dripping brake fluid off of the plenum chamber.
- Insert the brake pressure unit carefully.



Before securing the brake pressure unit, make sure the push rod is aligned with the brake pedal mounting tabs.

- The brake pressure unit surface on the bulkhead must not be damaged or deformed.
- Replace attaching element <6> and torque to 24 Nm.

| Part Number | Part Description |
|---------------|--------------------|
| 4KE-614-306-C | Attachment Element |

 Insert the brake lines into the brake pressure unit by hand and torque to 14 Nm.

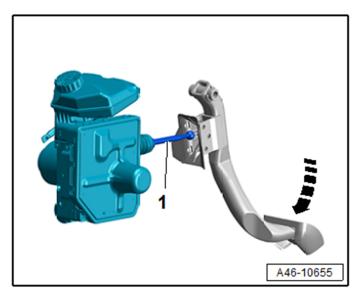


The brake pressure unit <3>, adapter <5> and attaching element <6> must all be sent back for analysis.



Fill the brake fluid:

 Fill the brake fluid reservoir up to the "MIN" mark.



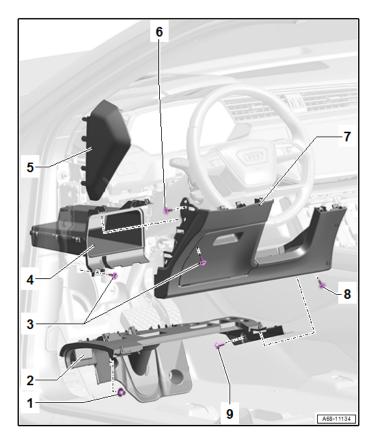
Reconnect brake pedal:

 Hold the pushrod ball head <1> in front of the mount and push the brake pedal toward the brake pressure unit <arrow> until the ball head engages audibly.



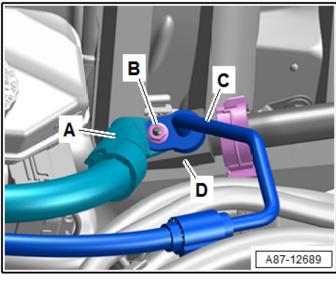
Faulty brakes increase the risk of an accident.

Make sure the brakes are working correctly before driving the vehicle for the first time.



Reassemble footwell vent, instrument panel trim and knee airbag:

- Reassembly is the reverse order of removal.
- Torque the knee airbag bracket bolts to 3 Nm.



Re-install refrigerant lines:

• Install new seal on lines <A> and <C>.

| Line | Part Number | Part Description |
|------|---------------|------------------|
| Α | 4E0-260-749-C | O-ring |
| С | 3D0-260-749-C | O-ring |

- Coat new seals with refrigerant oil.
- Install lines and torque nut to 8 Nm.



Recharge A/C system:

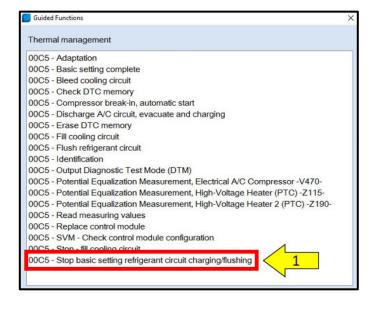
- Perform the procedure as described in the A/C Service Station Owner's Manual.
- The quantity of refrigerant oil in the A/C Service Station is checked and if necessary corrected.
- The refrigerant quantity in the A/C Service Station is checked and if necessary corrected.
- For more information, refer to the Repair Manual:
 - ELSA Repair Manual: Repair manual
 Heating, Ventilation & Air
 Conditioning > Refrigerant R1234yf
 Servicing

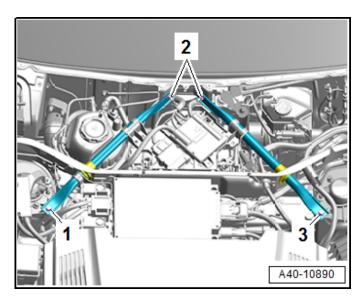
Re-energize HV system:

- Follow the GFF test plan for restarting/recommissioning the high voltage system.
- Pay close attention to the test plan instructions when re-energizing the high-voltage system.
- The test plan will guide you through all of the re-energization steps. READ EACH SCREEN CAREULLY!!
- Refer to the Function Description tabs if necessary.

Close refrigerant system valves:

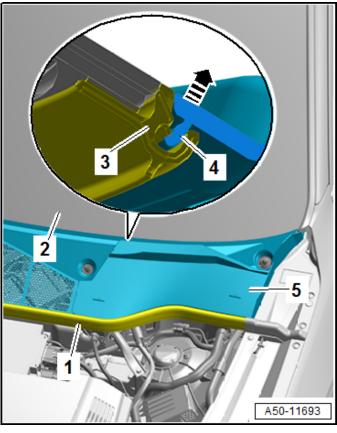
- Follow the test plan for closing the refrigerant system valves:
 - Open the Guided Functions menu for Thermal Management by right clicking on Address 00C5.
 - Perform the test "00C5 Stop basic setting refrigerant circuit charging/flushing" <1>.





Reinstall tower brace and windshield washer pump control module:

- Installation is the reverse order of removal.
- Torque bolts <3> and nuts <2> to 24 Nm.

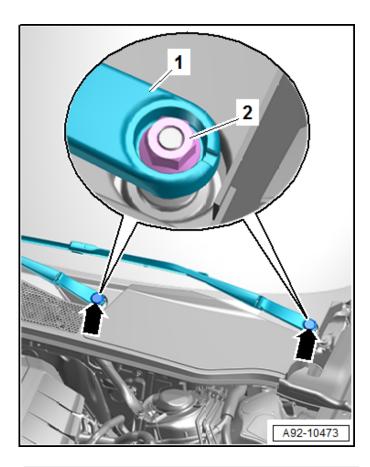


Reinstall plenum chamber cover:

- Installation is the reverse order of removal.
- The plenum chamber cover tab must be completely engaged in the windshield frame.

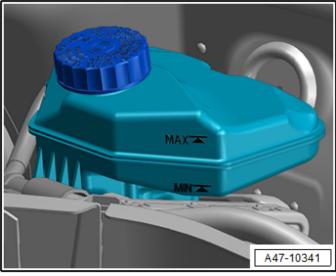
. NOTE

If the plenum chamber cover is damaged or mounted incorrectly, water can flow into the fresh air intake duct. This can lead to complaints regarding odor coming from the heater/A/C system and/or moisture in the vehicle interior.



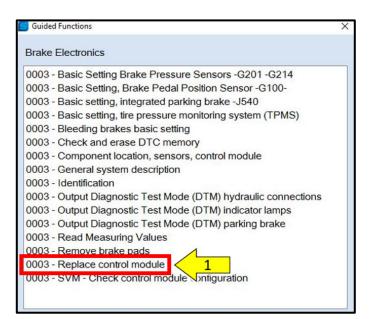
Reinstall wiper arms:

- Installation is the reverse order of removal.
- Reference previously made marks when installing wiper arms.
- Torque nuts <2> to 32 Nm.
- Install caps <arrows>.



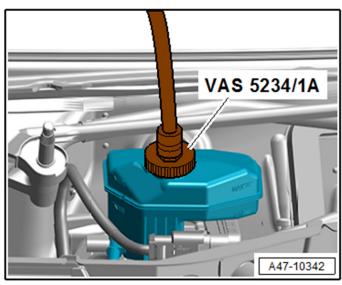
Fill the brake fluid:

 Fill the brake fluid reservoir up to the "MAX" mark.



Perform "Replace control module" test plan:

- Open the Guided Functions menu for Brake Electronics by right clicking on Address 0003.
- Perform the test "0003 Replace control module" <1>.



Guided Functions Brake Electronics 0003 - Basic Setting Brake Pressure Sensors -G201 -G214 0003 - Basic Setting, Brake Pedal Position Sensor -G100-0003 - Basic setting, integrated parking brake -J540 0003 - Basic setting, tire pressure monitoring system (TPMS) 0003 - Bleeding brakes basic setting 0003 - Check and erase DTC memory 0003 - Component location, sensors, control module 0003 - General system description 0003 - Identification 0003 - Output Diagnostic Test Mode (DTM) hydraulic connections 0003 - Output Diagnostic Test Mode (DTM) indicator lamps 0003 - Output Diagnostic Test Mode (DTM) parking brake 0003 - Read Measuring Values 0003 - Remove brake pads 0003 - Replace control module

0003 - SVM - Check control module configuration

Bleed brakes:

- Follow the test plan for bleeding the brakes in conjunction with the brake bleeding equipment:
 - Refer to ELSA Repair Manual: Repair manual > Chassis > Brake System > 47 Hydraulic Components > Hydraulic System > Hydraulic System, Bleeding
 - Open the Guided Functions menu for Brake Electronics by right clicking on Address 0003.
 - Perform the test "0003 Bleeding brakes basic setting" <1>.
 - Perform any other test plans populated due to faults related with control module replacement.

A WARNING

Faulty brakes increase the risk of an accident.

Make sure the brakes are working correctly before driving the vehicle for the first time.

A WARNING

Risk of accident due to the brakes malfunctioning.

Brake fluid must never come into contact with fluids containing mineral oils (oil, gasoline, cleaning solutions).

Wear safety gloves that are free of oil and grease.



Risk of an accident due to the water content in the brake fluid being too high. Brake fluid is hygroscopic, meaning that it absorbs moisture from the surrounding air.

Brake failure due to the formation of steam bubbles.

Store brake fluid in air-tight containers.

Immediately seal any open brake hoses and brake lines.



There is a risk of contamination and paint damage from leaking brake fluid.

Rinse off any leaking brake fluid immediately using plenty of water.

i TIP

Various event memory entries may be generated. Put the vehicle in a corresponding bus sleep mode after the repair in order to clear the faults.

To put the vehicle in bus sleep mode, disconnect the diagnostic tester, remove the key from the vehicle and lock the vehicle with the remote for 5 minutes.

Road test:

Perform a short road test to verify brake functionality.

Proceed to Section C

Section C - Campaign Completion Stamp

| I certify that this campaign has been performed in strict accordance with the applicable Audi repair procedure. | |
|--------------------------------------------------------------------------------------------------------------------------|--|
| SAGA Code: | |
| Technician: | |
| Date: | |

Item#: AUD4927ENG

-OR-

| Je certifie que cette campagne de rappel a été exécutée suivant les strictes directives de réparation d'Audi |
|--------------------------------------------------------------------------------------------------------------------------|
| Code de SAGA: |
| Technicien: |
| Date: |

Item # AUD4927FRE

- Once the campaign has been completed, the technician should stamp the repair order.
- Stamps are available for ordering through the Compliance Label Ordering Portal.
- Proceed to Section D

Section D - Parts Return/Disposal

US DEALERS:

Brake Pressure Unit, Adapter and Attaching Element:

All brake pressure units, adapters and attaching elements must be returned for analysis. A request for the brake pressure unit will be available in the Warranty Parts Portal (WPP) once the claim has reached Approved status in SAGA.

Parts not returned or improperly returned are subject to claim cancellation.

Use the Warranty Parts Portal to obtain the FedEx shipping label and any other required documentation.

All Other Parts:

Properly store (retain), destroy, or dispose of removed parts in accordance with all state/province and local requirements, unless otherwise indicated and/or requested through the Warranty Parts Portal (WPP).

CANADIAN DEALERS:

Properly store (retain), destroy, or dispose of removed parts in accordance with all province and local requirements, unless otherwise indicated and/or requested through the Part Destruction and Core Disposition Report.