

Technical Service Bulletin



48M3 UPDATE – Checking Seal (NVLW)

May 10, 2016

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A6, A7, A8, Q5, A5 Cabriolet, A4, A5, allroad	2016	See Campaign/Action screen in Elsa	None
Q7	2017		

Condition

This Update has been proactively released to prevent the following condition from occurring in the vehicle:

On Audi vehicles with electromechanical steering manufactured within a specific period, it is possible that the seal on the power steering control unit was not manufactured correctly.

This Update is in effect until removed.

Vehicle must meet all of the following criteria:

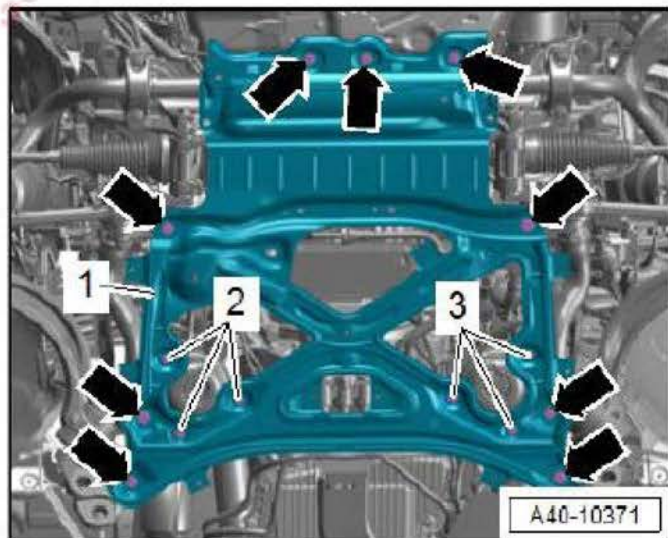
- Procedure is valid only for vehicles that show the **48M3** code in the Elsa Campaign/Action Information screen on the day of repair.
- Vehicle must be within the New Vehicle Limited Warranty.
- Procedure must be performed within the allotted time frame stated in this Technical Service Bulletin.
- Procedure must be performed on applicable vehicles in dealer inventory prior to sale.

Technical Background

On Audi vehicles with electromechanical steering manufactured within a specific period, it is possible that the seal on the power steering control unit was not manufactured correctly.

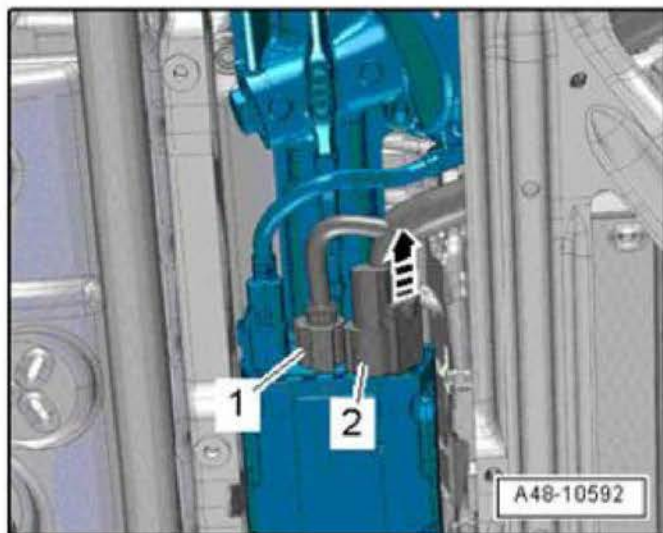
Service

- Remove front noise insulation.



Only for Audi Q7

- Remove subframe cross brace.



- Unplug electrical connector <2> for voltage supply (terminal 30) at power steering control unit <J500>.



Overview

Power steering control unit with seal (arrow).

1st Check (Visual Inspection)

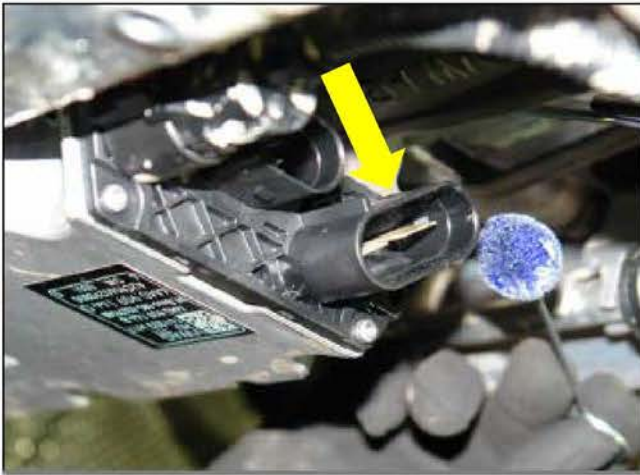
- Check that seal is clean.
- Perform visual check with mirror.
- If the seal is completely clean, continue to 2nd check.
- If the seal is dirty, clean with a dry cloth and check again.
- If the seal cannot be completely cleaned, it must be replaced.

2nd Check (with test liquid)

- Add test liquid to applicator and wait until liquid does not drop from the applicator.

! NOTE

Liquid must not be allowed to drop off the applicator into the connector.



- Apply test liquid to seal.
- Wait 5 seconds for the test liquid to take effect.



- Wipe off test liquid with a clean lint-free cloth.



- Perform visual check with mirror.
- If the seal is still white no further work is required.
- If the seal has taken the color of the test liquid it must be replaced.

Replacing Seal



- Heat connector housing for at least 15 seconds to 60 – 70°C using a heat gun.
- Remove seal while warm using plastic tweezers. Heat again if necessary.

! NOTE

Use the plastic tweezers provided in order to prevent damage to the connector housing, especially to the bonding surface.

- Remove all residue from bonding surface using cleaning solution.
- Dry bonding surface with a lint-free cloth.

! NOTE

Wait for at least 30 seconds to allow the cleaning solution to dry.



- Check bonding surface with mirror.



- Using tweezers to place the seal in the recess on the installation connector.



- Push the installation connector onto the control unit until it stops.
- Press the seal on to the connector housing using your finger.
- Remove the installation connector.
- Press seal again with your finger to fully secure.

- Perform a visual inspection.
- If the seal is not centered it must be replaced again.

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Warranty

Claim Entry Instructions

After Update 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 customer refused campaign work or vehicle is out of the specified warranty parameter for this Update:

- ✓ U.S. dealers: Submit the request through Audi Warranty Online under the Campaigns/Update option.
- ✓ Canada dealers: Fax repair order to Warranty at (905) 428-4811.

Service Number	48M3
Damage Code	0099
Parts Vendor Code	002
Claim Type	Sold vehicle: 7 10 Unsold vehicle: 7 90
Causal Indicator	Mark labor as causal part
Vehicle Wash/Loaner	Do not claim wash/loaner under this action
Criteria I.D.	01

Remove and install noise insulation and check seal, no replacement required

All Models Except Q7

Labor operation: 4835 0199 40 T.U.

Q7 Only

Labor operation: 4835 0199 40 T.U.

Labor operation: 4086 1999 30 T.U.

-OR-

Remove and install noise insulation and check seal and replace seal.

All Models Except Q7

Labor operation: 4835 5599 60T.U.

Quantity	Part Number	Description
1.00	D 00950025	Applicator

Q7 Only

Labor operation: 4835 5599 60T.U.

Labor operation: 4086 1999 30 T.U.

Quantity	Part Number	Description
1.00	D 00950025	Applicator
4.00	N 91151101	Hexagon bolt
2.00	WHT005372	Bolt
3.00	N 91200802	Bolt

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- Additional Actions** Some of the affected vehicles may be involved in additional Actions. Please check your Elsa Campaign/Action Information screen so that any *additional required work can be done simultaneously*.
- Verifying Vehicle Eligibility** To verify vehicle eligibility for this Update, *always* check the Elsa Campaign/Action Information screen. The Elsa system is the *only* binding inquiry and verification system; other systems are not valid and *may result in non-payment* of a claim.
- Help for Claim Entry** For questions regarding claim entry, contact Audi Warranty.
- Required Customer Notification** Inform your customer in writing by recording on the Repair Order any and all work that was conducted on the vehicle, including any and all updates completed under this Update.

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Required Parts and Tools

Part Number	Part Description	Quantity
4M0 998 099	Repair kit for power steering control unit (repairs approximately 50 vehicles)	1
D 009 500 25	Applicator	1
Q7 Only (In addition to above parts)		
N 911 511 01	Hexagon bolt	4
WHT 005 372	Bolt	2
N 912 088 02	Bolt	3

- Properly destroy and dispose of removed parts in accordance with all state and local requirements, unless otherwise indicated and/or requested through SAGA.
- If you have exhausted your allocated parts and you require additional parts for vehicles affected by this Update but have exceeded your Upper Order Limit, please submit your requests for additional parts via email to upperorderlimits@audi.com. Be sure to include the affected VINs with your order. Prior to submitting your request, ensure that each vehicle has the **48M3** code open in Elsa. Your order will be reviewed and processed accordingly.

Additional Information

All parts and service references provided in this Update are subject to change and/or removal. Always check Elsa for the most current version of this document.