

Audi > A8/A8L > 2004-2008
6-Spd. Automatic Transmission 09E All Wheel Drive
39 - Description and Operation

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Transmission Fluid Level, with Combined Fluid Systems, Checking

Special tools, testers and auxiliary items required

- ◆ Old oil collecting and extracting device V.A.G 1782
- ◆ Engine/Transmission Jack V.A.G 1383 A
- ◆ Safety glasses

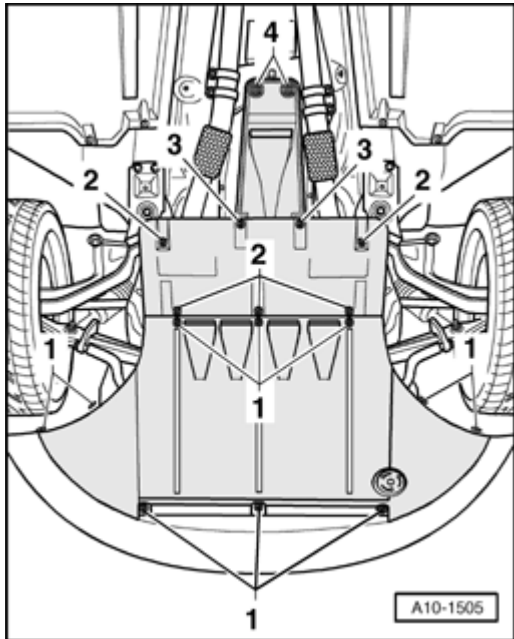
Conditions

- ◆ Axle oil temperature approx. 20 degree C (room temperature) to max. 50 degree C.
- ◆ Vehicle level.
- ◆ The vehicle must not be started or towed without ATF fluid.

Note:

- ◆ *The oil spaces in the front final drive - 6 - and in the transfer case - 3 - are consolidated. Therefore, they must always be checked and filled together.*
- ◆ *Both insufficient filling and overfilling affect the transmission function.*
- ◆ *Observe disposal regulations.*

Work procedure

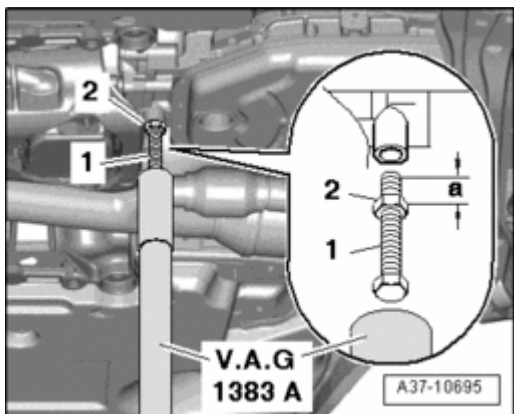


- Remove both rear noise insulation by loosening bolts - 2 - , - 3 - and - 4 - .

CAUTION!

For the following steps, note:

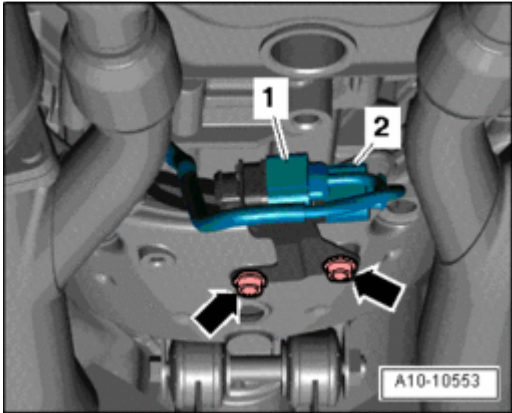
Do not support on transmission oil pan - risk of damage.



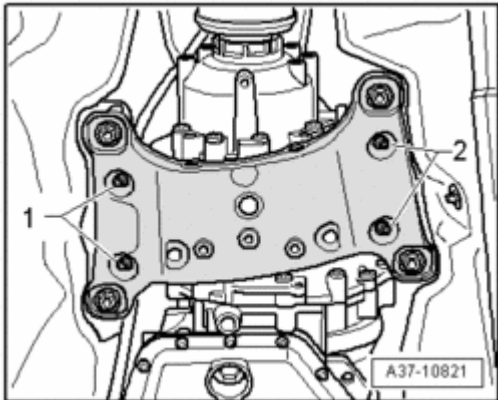
- Insert a bolt M12x100 - 1 - with attached nut - 2 - in mount behind transmission oil pan.
- ◆ Dimension - a - = 13 mm.
- Position Engine/Transmission Jack V.A.G 1383 A plunger on bolt head and slightly

raise transmission, as shown in illustration.

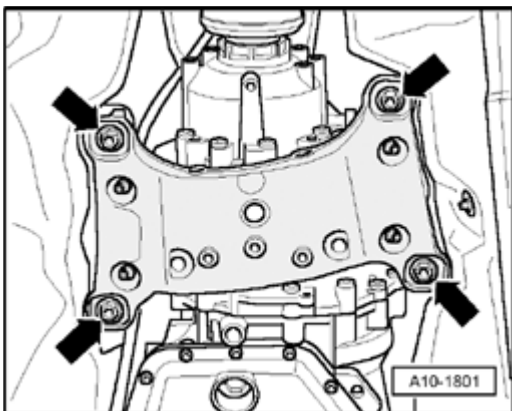
- Remove bracket for noise insulation below ATF cooler.



- If present, remove oxygen sensor electrical connectors - **1** - and - **2** - from tunnel cross member - **arrows** - .
- Mark installed position of transmission tunnel cross member on body.



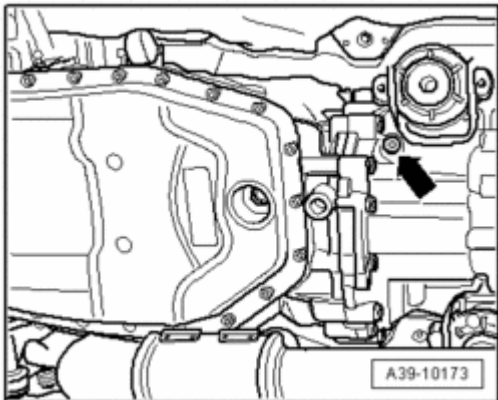
- Remove left - **1** - and right - **2** - transmission bolts on tunnel cross member.



- Remove transmission tunnel cross member - **arrows** - from body.
- Lower or raise transmission accordingly with Engine/Transmission Jack V.A.G 1383 A until transmission is horizontal in installation position again.

Note:

- ◆ *The transmission must be level to check the axle oil.*
- ◆ *It must be raised or lowered accordingly using Engine/Transmission Jack V.A.G 1383 A after removing the tunnel cross member.*



- Slide tunnel cross member as far back as possible so that transfer case oil inspection and filler plug - **arrow** - is accessible.
- Place used oil collection and extraction device V.A.G 1782 under transmission.

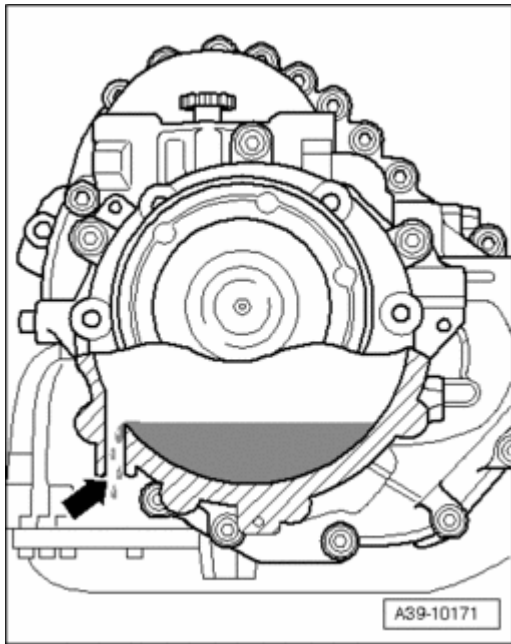
Note:

- ◆ *Observe disposal regulations.*

CAUTION!

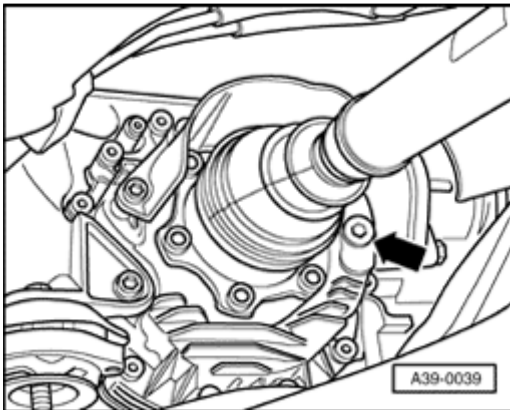
Wear eye protection.

- Remove transfer case oil inspection and filler plug - **arrow** - .



Note:

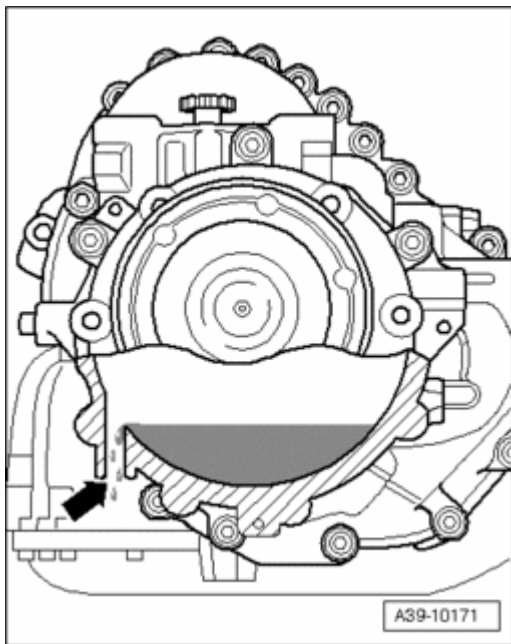
- ♦ *The transfer case oil inspection and filler plug is located at the side of the transfer case housing and is installed from below - **arrow** - .*
- ♦ *In the illustration, the transfer case is partially shown from behind so that the axle oil level with filler opening is visible.*



- Remove front final drive oil inspection and filler plug - **arrow** - .

Axle oil specification ⇒ Electronic Parts Catalog ETKA , capacities ⇒ [Capacities](#)

- Slowly fill front final drive with axle oil until it escapes at lower edge of oil filler hole - **arrow** - .



- Slowly add axle oil into transfer case housing using a hose and a sprayer or pump in oil filler hole - **arrow** - .

After removing hose, a small amount of axle oil always escapes and stands in oil channel above the bolt.

If axle oil then drains lightly from the opening, the oil level in the transfer case is correct.

If no axle oil comes out:

- Add axle oil again until oil level is correct.
- Allow extra axle oil to drain out the oil filler hole until oil level in transfer case is correct.

Note:

✦ *It is not necessary to check the oil level again at this stage.*

- Always replace oil inspection and filler plug.

Install all components in reverse sequence; note the following points:

- Install tunnel cross member ⇒ [Tunnel Crossmember](#)

Torque specification

Component	Nm
Transfer case oil inspection and filler plug	20
Front final drive oil inspection and filler plug	35

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