

Audi > A8/A8L > 2004-2008

6-Spd. Automatic Transmission 09E All Wheel Drive

37 - Description and Operation

.

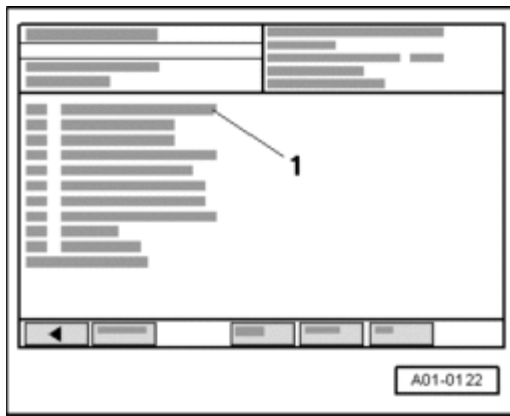
ATF Level, Checking

Test conditions

- ◆ Transmission not in emergency operating mode.
- ◆ Vehicle on a flat surface
- ◆ Selector lever in "P" , let engine run at idle.
- ◆ Air conditioning and heater switched off.
- ◆ Vehicle Diagnosis, Testing and Information System VAS 5051 connected, "Vehicle On Board Diagnosis" and vehicle system "02 - Transmission electronics" selected.
- ◆ ATF temperature must not be higher than 30 degree C at start of test, allow transmission to cool down if necessary.

Note:

- ◆ *ATF temperature appears in the display of Vehicle Diagnosis, Testing and Information System VAS 5051 .*
- ◆ *The ATF level will vary according to the temperature of the ATF.*
- ◆ *Checking ATF level at too low ATF temperature leads to overfilling.*
- ◆ *If the ATF level is checked when the ATF temperature is too high, this will result in under filling.*
- ◆ *Over and under filling lead to impaired functioning of transmission.*
- ◆ *Only use the ATF available as a replacement part for the planetary gearing in automatic transmission 09E. Other oils could cause malfunctions or damage to the transmission. Follow ATF specification for corresponding transmission codes ⇒ Electronic Parts Catalog ETKA .*



Checking ATF temperature

Display on VAS 5051 :

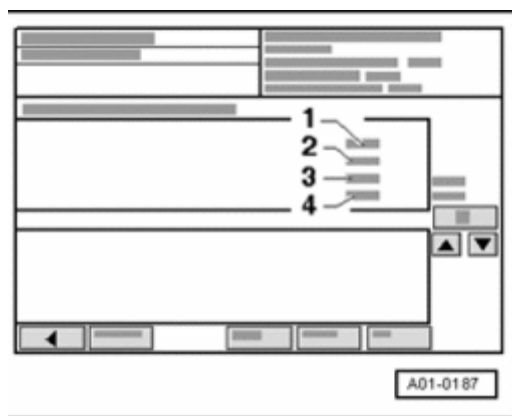
- In selection - **1** - , select diagnostic function "08 - Read measured value block" or "011 - Measured values" .



Display on VAS 5051 :

1 - Enter display group

- In button field - **2** - , enter "4" for "Display group 004" and confirm input by pressing Q button.



Display on VAS 5051 :

– Read off ATF temperature indicated in display field - 1 - .

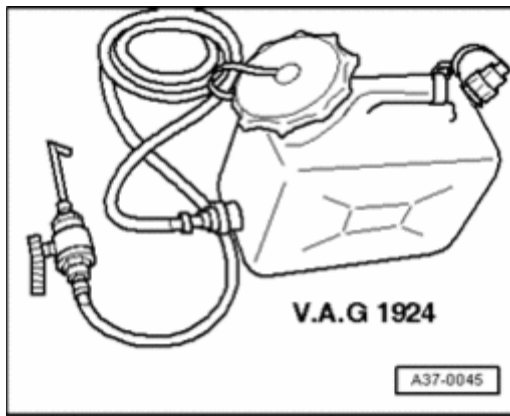
Checking ATF level and topping off

Note:

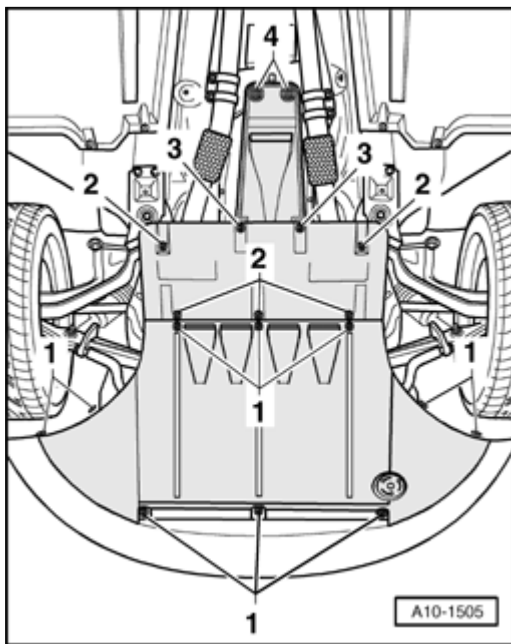
- ◆ *The ATF level is checked at ATF inspection plug.*
- ◆ *The ATF level is correct if a small amount of fluid drips out of the inspection hole (this is normal as the fluid expands as it heats up) at an ATF temperature between 35 degree C and 45 degree C (for hot countries 50 degree C).*

CAUTION!

- ◆ **Various types of ATF are available for this transmission. They are allocated by transmission code in the ⇒ Electronic Parts Catalog ETKA .**
- ◆ **Only use the ATF available as a replacement part for the planetary gearing in automatic transmission 09E.**
- ◆ **Other oils can cause malfunctions or transmission failure.**
- ◆ **Note allocation in the ⇒ Electronic Parts Catalog ETKA .**



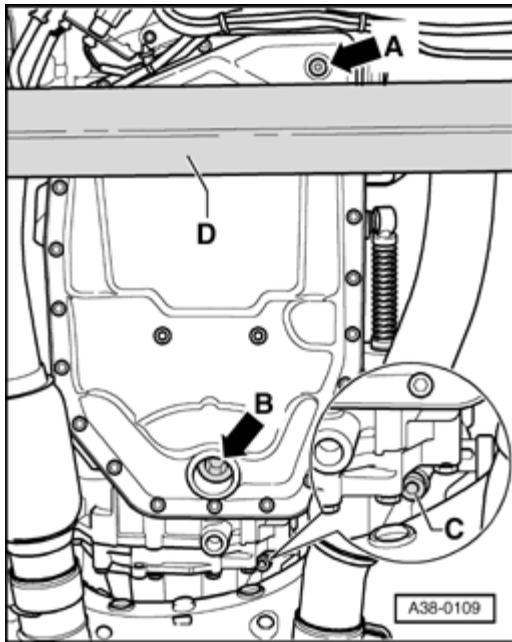
- Fill reservoir of ATF filler tool V.A.G 1924 with ATF for automatic transmission 09E; ATF specification ⇒ Electronic Parts Catalog ETKA .
- Secure reservoir of ATF filling system V.A.G 1924 as high as possible on vehicle.
- Start engine and allow it to run at idle.



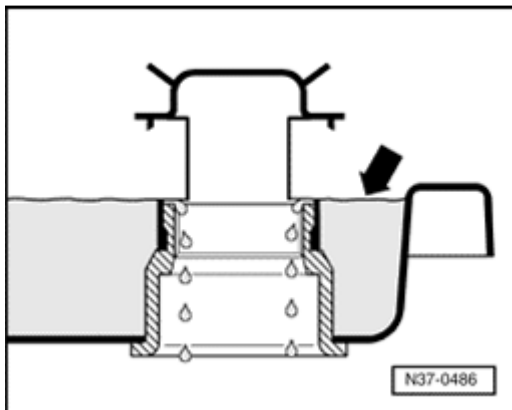
- Remove bolts - **3** - and - **4** - and remove rear section of noise insulation.
- Place Used Oil Extraction and Collection Device V.A.G 1782 below transmission.

CAUTION!

Wear eye protection.



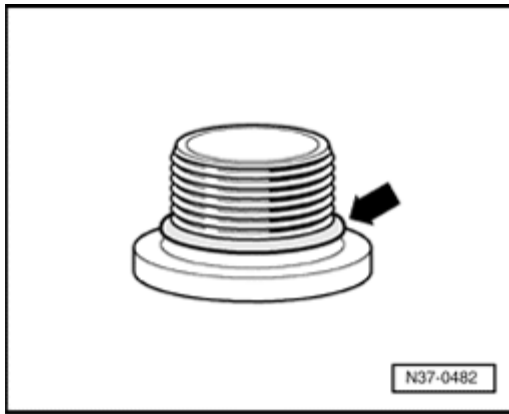
- When ATF temperature of 35 degree C is reached, remove ATF inspection plug - **arrow B** - and drain off any excess ATF.



If ATF drips from ATF inspection hole before ATF has reached 40 degree C, ATF level - **arrow** - is OK.

Note:

- * *The ATF inspection plug must be installed again before the ATF reaches a temperature of 45 degree C (for hot countries 50 degree C).*



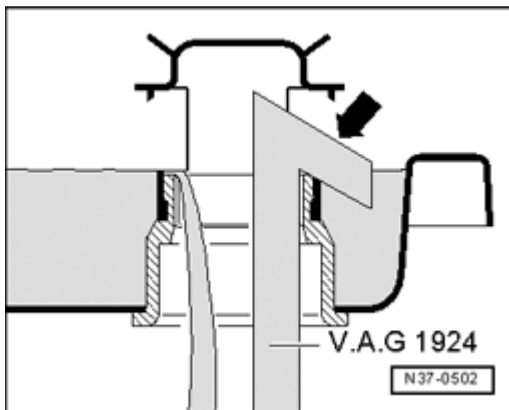
- Tighten ATF inspection plug with new seal - **arrow** - to 80 Nm. The ATF check is now completed.

If no ATF drips out of ATF inspection hole when temperature has reached 40 degree C:

Top off ATF

Note:

- ♦ *The ATF inspection plug must be installed again before the ATF reaches a temperature of 45 degree C (for hot countries 50 degree C). Allow transmission to cool and check again.*

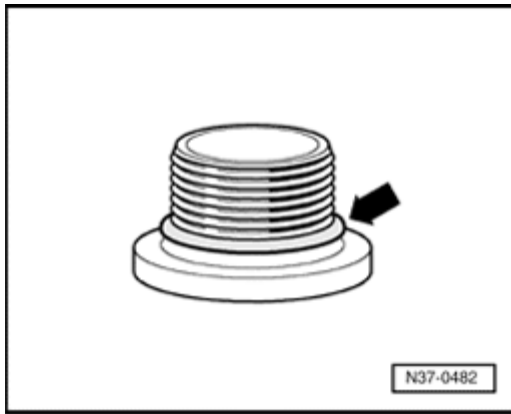


- Guide filler hook of ATF filler tool V.A.G 1924 into an opening - **arrow** - of protective cap, while doing so do not push cap up and in.

- Add ATF using ATF filler tool V.A.G 1924 until ATF drips from inspection hole.

Note:

- ♦ *If the ATF level is too high or too low it will adversely affect the operation of the transmission.*



- Tighten ATF inspection plug with new seal - **arrow** - to 80 Nm. The ATF check is now completed.

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