

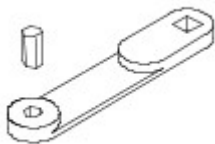
AUTOMATIC TRANSMISSION/TRANSAXLE - V8 S/C 5.0L PETROL,
VEHICLES WITH: 8HP70 8-SPEED AUTOMATIC TRANSMISSION
RWD

TRANSMISSION FLUID LEVEL CHECK [G1579978]

GENERAL PROCEDURES

44.24.06	TRANSMISSION FLUID LEVEL CHECK	ALL DERIVATIVES	0.50	USED WITHINS	
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SPECIAL TOOL[S]



307-45

307-452

Wrench, Transmission Filler Plug

CHECK



WARNINGS:

- Observe due care when draining, as the fluid can be very hot.
- Observe due care when working near a hot exhaust system.



CAUTION:

Make sure that the transmission fluid temperature is below 30 degrees before starting the fluid level check.

 NOTE:

Some variation in the illustrations may occur, but the essential information is always correct.

1.

- The following steps must be observed before starting the transmission fluid level check.
- The vehicle must be on a horizontal ramp.
- Make sure that the electric park brake (EPB) is applied.
- Make sure the transmission control switch (TCS) is in the Park (P) position.

2.

 NOTE:

Using Jaguar approved diagnostic equipment, make sure the transmission temperature is between 30°C (86°F) and 50°C (122°F) before starting the fluid level check..

- Connect Jaguar approved diagnostic equipment to the vehicle.
- Start the engine and allow to idle.
- Switch off the air conditioning (A/C) system and other electrical components.

3.

- Make sure that the transmission is not in the default mode, if this is the case, stop and correct the cause first and then restart the fluid level check.

4.

 CAUTION:

Make sure the hydraulic control system is filled with oil.

- Apply and hold the brake pedal.
- Select reverse gear and wait for 10 seconds.
- Select drive, then manual 1st gear and wait for 10 seconds.
- Select 2nd gear and wait for 10 seconds.
- Select Park (P) on the TCS.

5.

 NOTE:

Make sure the torque converter is completely filled with oil.

- Raise the engine speed to 2000 rpm and hold for 30 seconds. Then return to idle speed.

6.



NOTE:

After completing the preparation, proceed to the actual transmission fluid level check.

- If the transmission oil temperature is lower than 30°C (86°F). Allow the transmission to warm up above 30°C (86°F) with the engine idling in the P position, then proceed with the transmission fluid level check.
- If the transmission oil temperature is above 50°C (122°F), switch off the engine and allow the transmission to cool down, then restart the fluid level check.

7.



CAUTION:

Only continue with the fluid level check if the transmission temperature is between 30°C (86°C) 50° C (122°).

- Start the engine, if not already idling.
- Maintain the engine idle speed.

8.



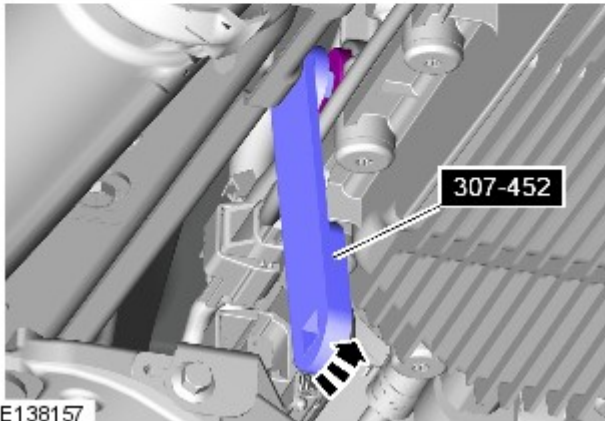
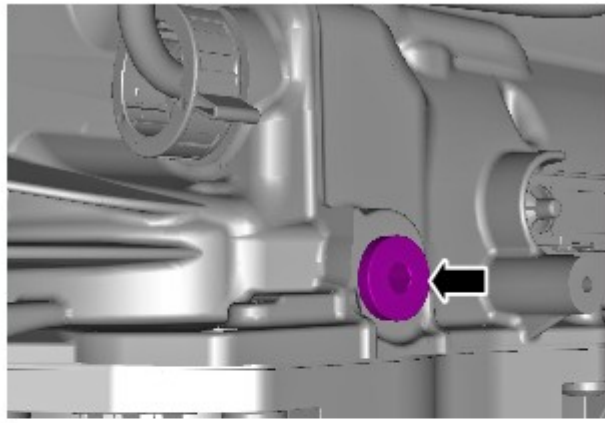
WARNING:

Make sure to support the vehicle with axle stands.

Raise and support the vehicle.

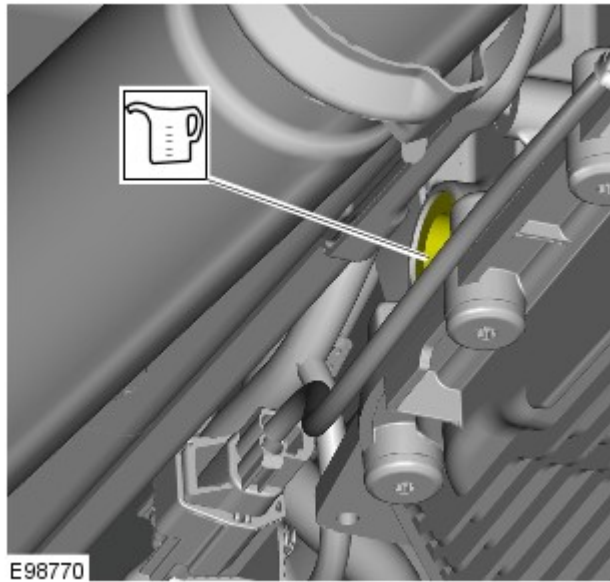
9.

Refer to: [Engine Undershield](#) (501-02 Front End Body Panels, Removal and Installation).



- Remove the oil filler plug, do not discard.
- If fluid flows out, proceed to Step 12.
- If fluid does not flow out, proceed to Step 11.
- *Special Tool(s):* [307-452](#)

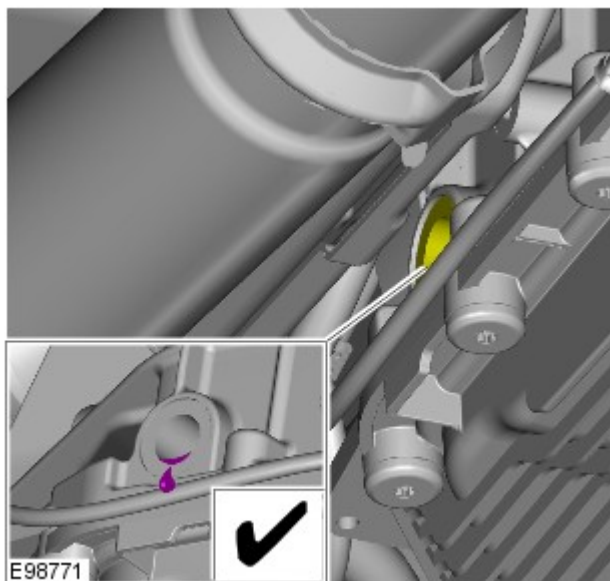
11.



- Fill oil through the overflow hole until the level inside is high enough that oil starts to trickle back out of the same hole.

Refer to: [Specifications](#) (307-01A Automatic Transmission/Transaxle - V6 S/C 3.0L Petrol , Vehicles With: 8HP70 8-Speed Automatic Transmission RWD, Specifications).

12.

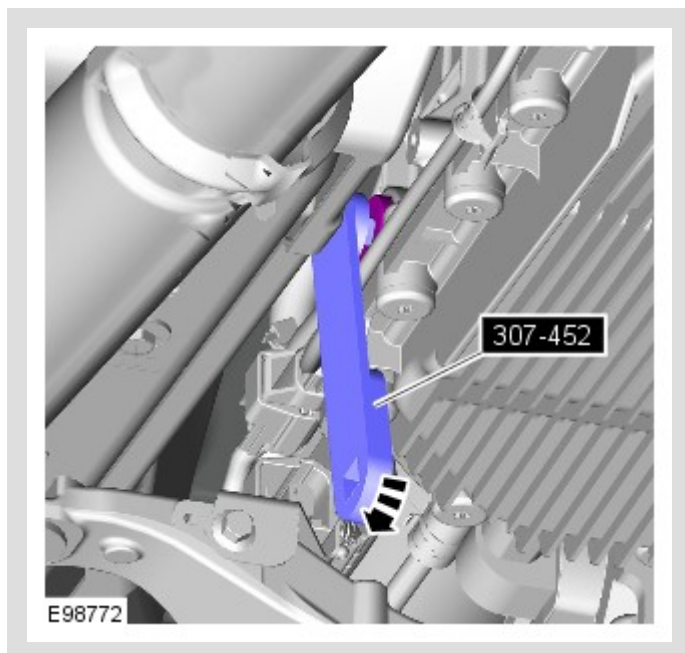


- Allow the transmission fluid to drain from the oil filler hole until the flow almost stops to a trickle.

13.

 NOTE:

Install the original oil filler plug.

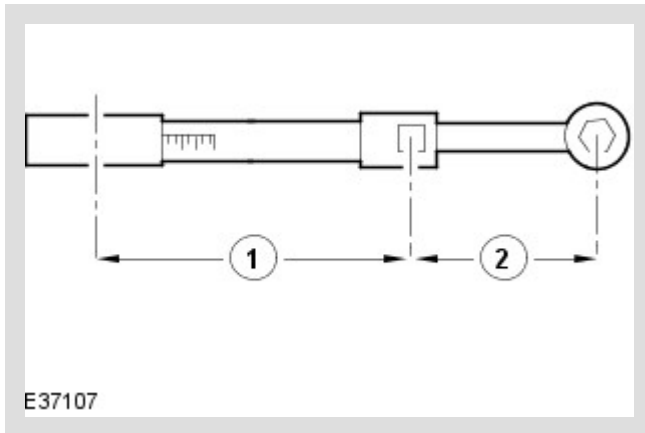


- Using the special tool, install the original oil filler plug.
- *Special Tool(s):* [307-452](#)

14.

⚠ CAUTION:

Make sure the transmission fluid fill plug is tightened to the correct specification. Failure to follow this instruction may result in damage to the transmission.



- To make sure the transmission fill plug is torqued to the correct specification. Using the special tool and torque wrench the following calculation steps must be followed.
- Step 1. Multiply 35 Nm by the effective length of the torque wrench (1).
- Step 2. Add the effective length of the special tool (2) to the effective length of the torque wrench (1).
- Step 3. Divide the total of step 1 by the total of step 2.
- Step 4. Set the torque wrench to the figure arrived at in step 3.
- Tighten the transmission fluid fill plug to the torque given by the calculation.

15.

- Remove the special tool.
- *Special Tool(s):* [307-452](#)

16.

⚠ CAUTION:

Clean the area around the filler plug, wipe away any excess fluid.

Remove the container.

17.

Refer to: [Engine Undershield](#) (501-02 Front End Body Panels, Removal and Installation).

18.

Lower the vehicle.

19.

Disconnect the diagnostic tool.