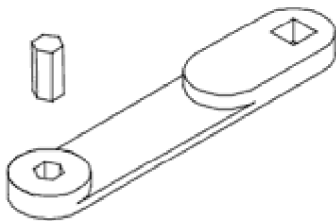


# 2003 S-TYPE - Automatic Transmission/Transaxle - 307-01

## Transmission Fluid Level Check

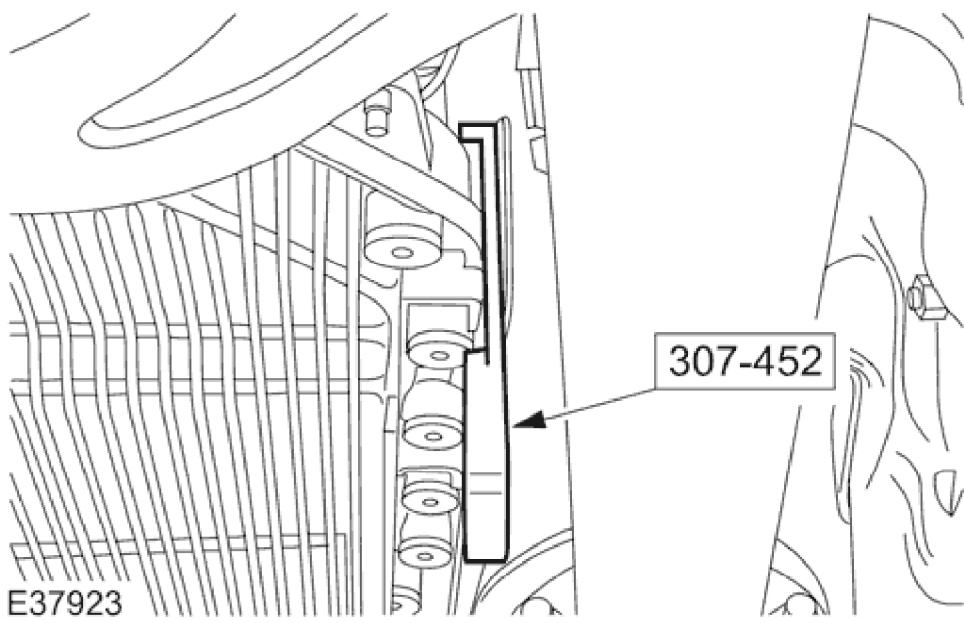
### Special Service tools



307-452

Adaptor  
307-452

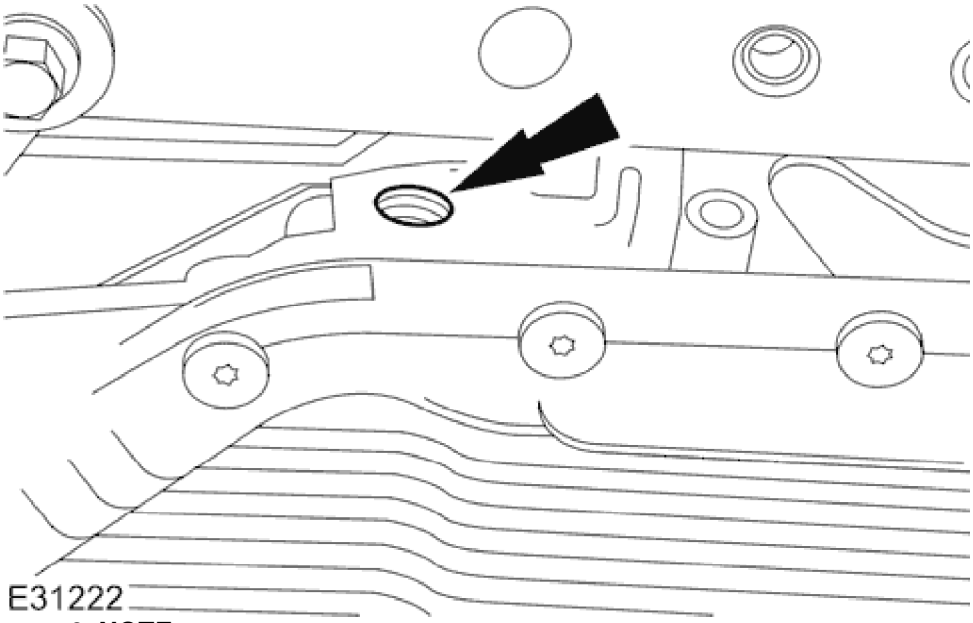
- 
1. The follow steps must be observed before starting the transmission fluid level check.
    1. The vehicle must be on a horizontal ramp.
    2. The parking brake must be applied.
    3. The engine must be running for 2 minutes with the transmission selector lever in the 'P' position.
  2. Connect the Jaguar Approved Diagnostic System.
  3. Make sure the transmission selector lever is in the 'P' position.
  4. **NOTE:**  
Make sure the transmission fluid temperature is below 30 °C (86 °F) on the Jaguar Approved Diagnostic System.
- With the engine running and the foot brake applied, circulate the transmission fluid by:
1. Moving the transmission selector lever to the 'R' position
  2. Waiting for three seconds.
  3. Moving the transmission selector lever to the 'D' position
  4. Waiting for three seconds.
  5. Moving the transmission selector lever to the 'P' position
5. Raise and support the vehicle. <<100-02>>
  6. Place a suitable container under the transmission fluid filler plug.



7.  **WARNING:**  
**MAKE SURE THAT CARE IS EXERCISED NEAR ROTATING PARTS. FAILURE TO FOLLOW THIS INSTRUCTION MAY RESULT IN PERSONAL INJURY.**

With the engine running, using the special tool remove the transmission fluid fill plug.

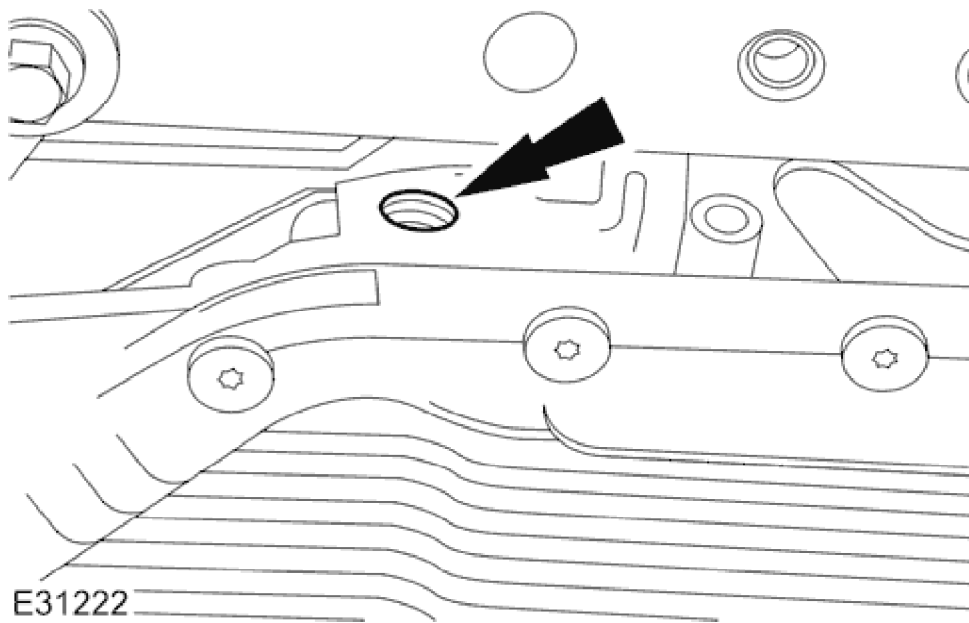
- Remove and discard the sealing washer.



8. **NOTE:**  
Use transmission fluid meeting Jaguar specification.

If the transmission fluid does not come out of the transmission fluid filler plug hole the transmission fluid level is insufficient. If this is the case add the transmission fluid in 0.5 liter units into the transmission fluid filler plug hole until fluid comes out.

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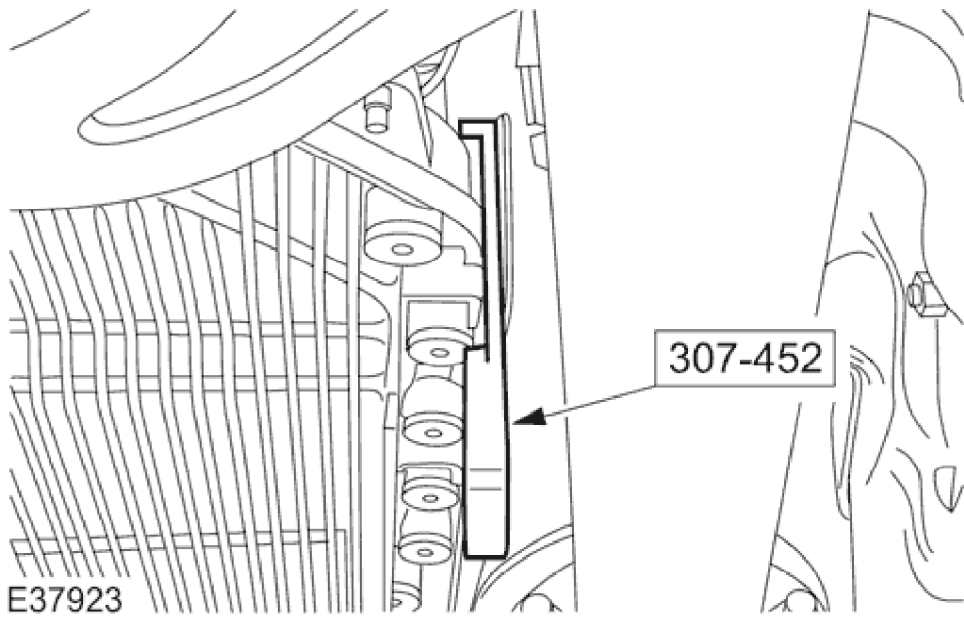


E31222

**9. NOTE:**

Make sure the transmission fluid temperature does not exceed 50 °C (122 °F). If the transmission fluid temperature does exceed 50 °C (122 °F) stop the transmission fluid level check and allow the transmission fluid to cool until the temperature is below 30 °C (86 °F).

Allow the transmission fluid to drain from the transmission fluid filler plug hole until the flow almost stops.

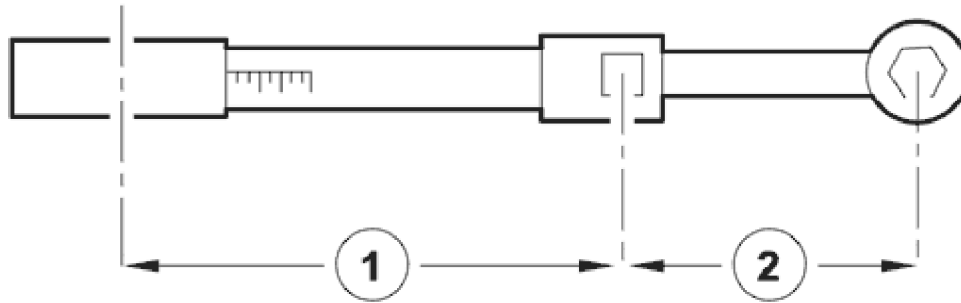


E37923


**10. NOTE:**

Install a new sealing washer.

Using the special tool, install the transmission fluid fill plug.



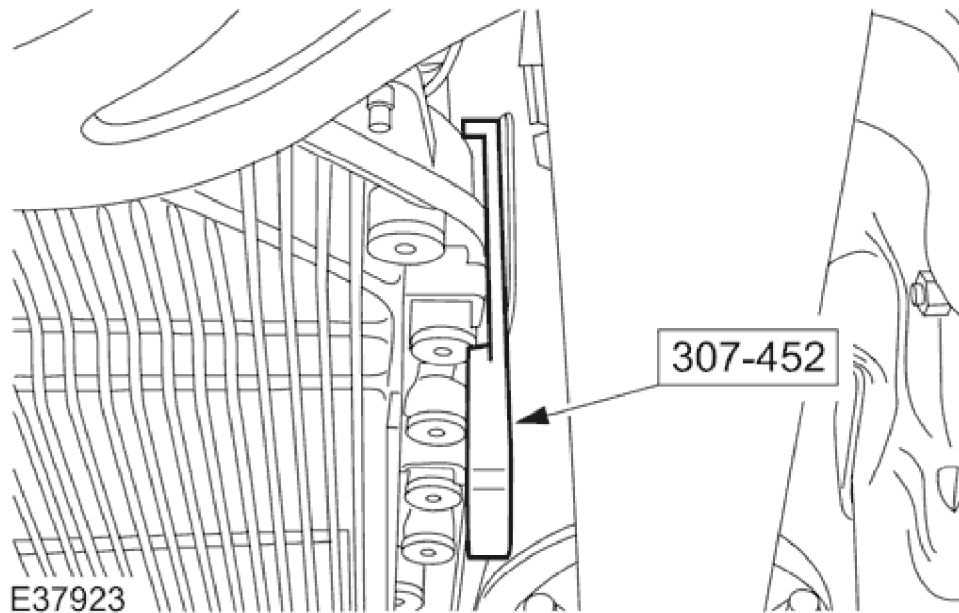
E37107

11.  **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 vehicle.**

Using the special tool and a torque wrench, tighten the transmission fluid fill plug.

- Tighten the transmission fluid fill plug to the torque given by the calculation
- To make sure the transmission fill plug is torqued to the correct specification. Using the special tool and a 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.

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12. Remove the special tool.
13. Remove the container.
14. Lower the vehicle.
15. Disconnect the Jaguar Approved Diagnostic System.