



V8 Sedan & XK8

DATE 9/97

307-02

SERVICE

TECHNICAL BULLETIN

Checking Fluid Level –
ZF 5HP 24 E –
Revised Procedure

MODEL

1997 MY-ON XK8 Range

1998 MY-ON V8 Sedan NA

VIN

001001-ON

812256-ON

Issue:

This bulletin provides a more detailed procedure for checking the transmission fluid level.

Action:

To check the transmission fluid level accurately, proceed as follows:

1. Position the vehicle on a level surface and let the vehicle stand for at least 2 minutes.
2. At the PDU base station make the following menu selections: DIAGNOSTICS, TOOLBOX, POWERTRAIN, DATALOGGER. Connect the PDU to the vehicle and ensure that the transmission is not in limp-home mode and that no DTCs are stored.
3. On the PDU, make the following menu selections: DATALOGGER, TRANSMISSION, TOT (transmission oil temperature). Check that the transmission temperature is below 30°C if ambient temperatures allow. Allow to cool if necessary.

NOTE: 30-40°C is the optimum temperature range for checking and filling transmission fluid. The range of 30-50°C is acceptable: Checking with a fluid temperature of 30°C represents the **maximum** fluid fill. Checking with a fluid temperature of 50°C represent the **minimum** fluid fill. Once the engine is running, the transmission fluid heats up rapidly.

4. Have the ATF filling container prepared so you can add fluid **immediately** after opening the plug. Start the engine with the transmission in the Park position.
5. Verify that the idle speed in between 600-750 RPM.
6. Move the selector lever from the Park position to the Drive range and pause for 3 seconds.
7. Move the selector lever from the Drive range to the Reverse position and pause for 3 seconds.
8. Move the selector lever from the Reverse position to the Park positions.
9. Ensure that the fluid temperature has not risen excessively and **immediately** raise the vehicle and remove the fluid level/filler plug.
10. Fill with Esso ATF LT 71141 until the fluid begins to overflow from the fluid level/filler plug.
11. Wait at least one minute until the flow of fluid has reduced to a trickle.
12. Reinstall the plug and check the PDU to verify that the fluid temperature has not exceeded 50°C.