



V8 Sedan &amp; XK8

DATE 9/97

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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.