

**2007 Lexus LS 460**

2007 TRANSMISSION AA80E Automatic Transaxle - LS460-LS460L

SW	status/ ON or OFF	Pushed: ON ? Pattern select switch (ECT SNOW) is: Pushed again: OFF	-
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2. Techstream

**Center Console Switch**

**CENTER CONSOLE SWITCH TESTER DISPLAY REFERENCE**

Tester Display	Measurement Item/Range	Normal Condition	Diagnostic Note
ECT Power Mode Switch	Pattern select switch (PWR) status/ ON or OFF	Pattern select switch (PWR) is:  • ON: Pushed • OFF: Not pushed	-
ECT Snow Mode Switch	Pattern select switch (SNOW) status/ ON or OFF	When turning engine switch on (IG): OFF ? Pattern select switch (ECT SNOW) is: Pushed: ON ? Pattern select switch (ECT SNOW) is: Pushed again: OFF	-

**OK:** On tester screen, item changes between ON and OFF according to switch operation.

**NG: REPLACE NO. 1 CONSOLE SWITCH**

**OK: GO TO NEXT STEP**

5. **REPLACE TCM**

- a. Replace the TCM (see REMOVAL ).

**NEXT: PERFORM AT REGISTRATION (See REGISTRATION )**

**AUTOMATIC TRANSMISSION FLUID**

**ON-VEHICLE INSPECTION**

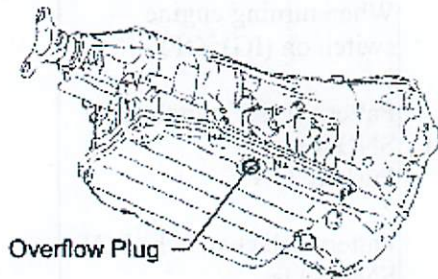
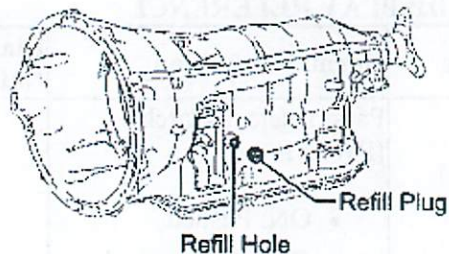
1. **BEFORE REFILL TRANSMISSION**

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- This transmission requires Toyota Genuine ATF WS transmission fluid.
- After servicing the transmission, you must refill the transmission with the correct amount of fluid.
- Maintain the vehicle in a horizontal position while adjusting the fluid level.
- If the entire transmission, transmission pan, drain plug, valve body and/or torque converter is replaced, proceed to the "FILL TRANSMISSION PAN" procedures.
- If the transmission hose, extension housing oil seal and/or radiator is replaced and/or a repair of oil leak is performed, proceed to the "ADJUST FLUID LEVEL" procedures.

### 2. FILL TRANSMISSION PAN

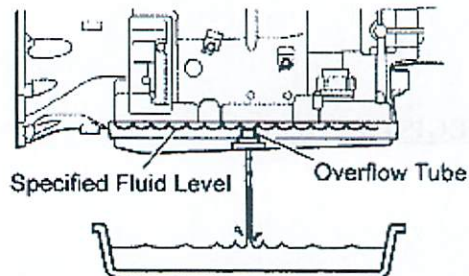


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**Fig. 120: Identifying Refill Plug And Overflow Plug**  
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- Lift the vehicle up while keeping a level state.
- Remove the refill plug and overflow plug.
- Fill the transmission through the refill hole until fluid begins to trickle out from the overflow tube.



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### Fig. 121: Identifying Fluid Level

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

d. Reinstall the overflow plug.

### 3. FILL TRANSMISSION

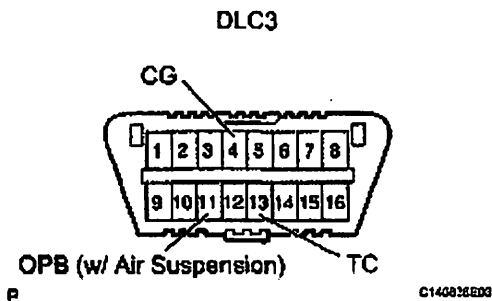
a. Fill the transmission with the amount of fluid listed in the table below.

#### Standard capacity

#### FLUID CAPACITY SPECIFICATION

Repair	Specified Condition
Transmission pan and drain plug removal	3.2 liters (3.38 US qts, 2.82 Imp. qts)
Transmission valve body removal	4.2 liters (4.44 US qts, 3.70 Imp. qts)
Torque converter removal	6.7 liters (7.08 US qts, 5.90 Imp. qts)
Entire transmission assembly	9.9 liters (10.46 US qts, 8.71 Imp. qts)

### 4. ADJUST FLUID LEVEL



### Fig. 122: Identifying Terminals 13 (TC) And (CG) Of DLC3

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

a. w/o Air Suspension:

Using SST, connect terminals 13 (TC) and 4 (CG) of the DLC3.

**SST 09843-18040**

b. w/ Air Suspension:

Using SST, connect terminals 13 (TC), 11 (OPB) and 4 (CG) of the DLC3.

**SST 09843-18040**

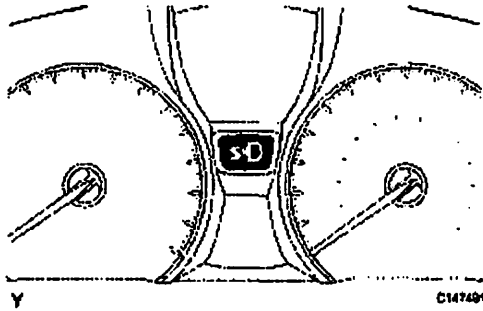
c. Start the engine.

**NOTE: Air conditioning switch must be turned off.**

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- d. Slowly move the shift lever from P to S, then move the shift lever from the 1 to 8. Then return the shift lever to P.
- e. Move the shift lever to the D position, and quickly move back and forth between N and D (once per less than 1.5 seconds) for at least 6 seconds. This will activate the fluid temperature detection mode.



**Fig. 123: Identifying Indicator Light**

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

### Standard:

**Indicator light (D) remains illuminated for 2 seconds and then goes off.**

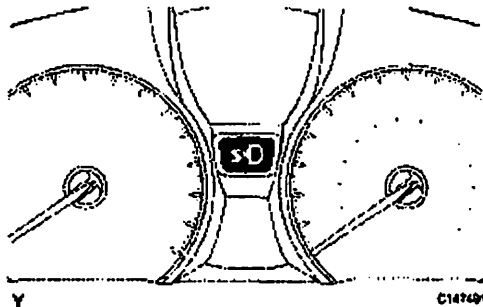
- f. w/o Air Suspension:

Return the shift lever to the P position and disconnect terminals 13 (TC) and 4 (CG).

- g. w/ Air Suspension:

Return the shift lever to the P position and disconnect terminal 13 (TC).

- h. Idle the engine to raise the temperature of the ATF.
- i. When the indicator light (D) turns on, lift the vehicle up immediately.



**Fig. 124: Identifying Indicator Light**

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

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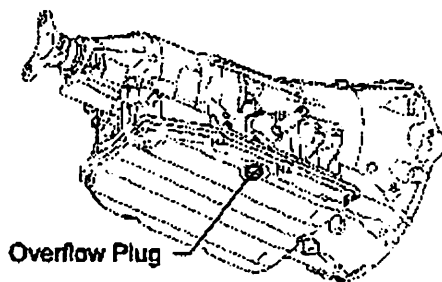
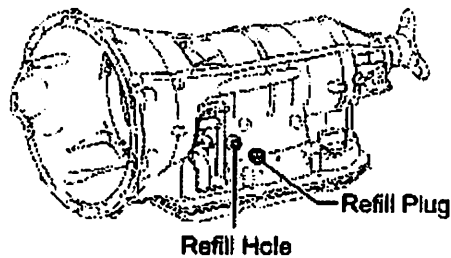
Indicator light will indicate the ATF temperature

### ATF TEMPERATURE REFERENCE

Lower than proper temp	Proper temp	Higher than proper temp
Turn off	Turn on	Blinking

**NOTE:** Perform fluid level inspection while the indicator light turns on.

- j. Remove the overflow plug. At the proper fluid inspection temperature, check the fluid amount. If the ATF flows from the overflow tube and the ATF flows in a thin stream, the fluid amount is normal. If the ATF does not flow from the overflow tube, add ATF into the refill hole until ATF flows from the overflow tube. If the ATF flows in a thin stream, the fluid amount is normal.



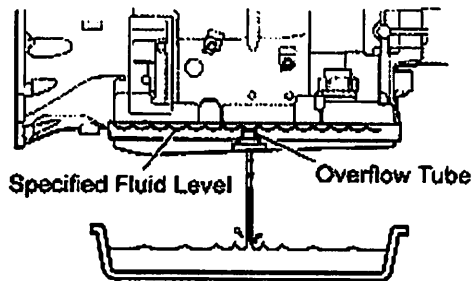
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**Fig. 125: Identifying Overflow Plug**

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- k. Install a new gasket and the overflow plug.



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**Fig. 126: Identifying Fluid Level**

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

**Torque: 20 N\*m (204 kgf\*cm, 15 ft.\*lbf)**

1. Install a new O-ring and the refill plug.

**Torque: 39 N\*m (398 kgf\*cm, 29 ft.\*lbf)**

- m. Lower the vehicle down.
- n. Turn the engine switch off.
- o. w/ Air Suspension:

Disconnect the terminals 11 (OPB) and 4 (CG) of the DLC3.

**AUTOMATIC TRANSMISSION REAR OIL SEAL**

**COMPONENTS**