



## Technical Service Information Bulletin

August 22, 2006

Title:

# U660E 6-SPEED FLUID LEVEL INSPECTION

Models:

'07 ES 350

TC006-06

TRANSMISSION & CLUTCH

**Introduction** This bulletin provides information on the proper A/T fluid fill procedure for the U660E automatic transmission.

**Applicable Vehicles**

- 2007 model year **ES 350** vehicles.



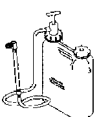
### Parts Information

PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QTY
00289-ATFWS	Same	ATF WS	As Needed

### Required Tools & Material

TOOLS & MATERIAL	QUANTITY
Miscellaneous Hand Tools	As Needed

### Required SSTs

ITEM NO.	SPECIAL SERVICE TOOLS (SSTs)	PART NUMBER	QTY	DRW**
1	<b>Lexus Diagnostic Tester Kit*</b> NOTE: <ul style="list-style-type: none"><li>• All components from this kit/set are required.</li><li>• 12 Megabyte Diagnostic Tester Program Card (P/N 01002593-005) with version 13.4a Software (or later) is required.</li></ul> 	LEX220036	1	8
2	<b>CAN Interface Module Kit*</b> NOTE: <ul style="list-style-type: none"><li>• All components from this kit/set are required.</li></ul> 	01002744	1	8
3	<b>Transmission Fill System*</b> NOTE: <ul style="list-style-type: none"><li>• All components from this kit/set are required.</li></ul> 	00002-11100-02	1	***

\* Essential SSTs.

\*\* Drawer number in SST Storage System.

\*\*\* This essential SST is NOT located in SST Storage System.

### NOTE:

Additional Diagnostic Tester Kits, CAN Interface Modules, Program Cards, or other SSTs may be ordered by calling SPX/OTC at 1-800-933-8335.

### Warranty Information

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
N/A	Not Applicable to Warranty	—	—	—	—



Lexus Supports ASE Certification

**Repair  
Procedure**

1. Connect the Diagnostic Tester to the DLC3 connector.
2. Enter the following menus on the tester:  
OBD/MOBD / ENGINE / DATA LIST / A/T OIL TEMP

**NOTE:**

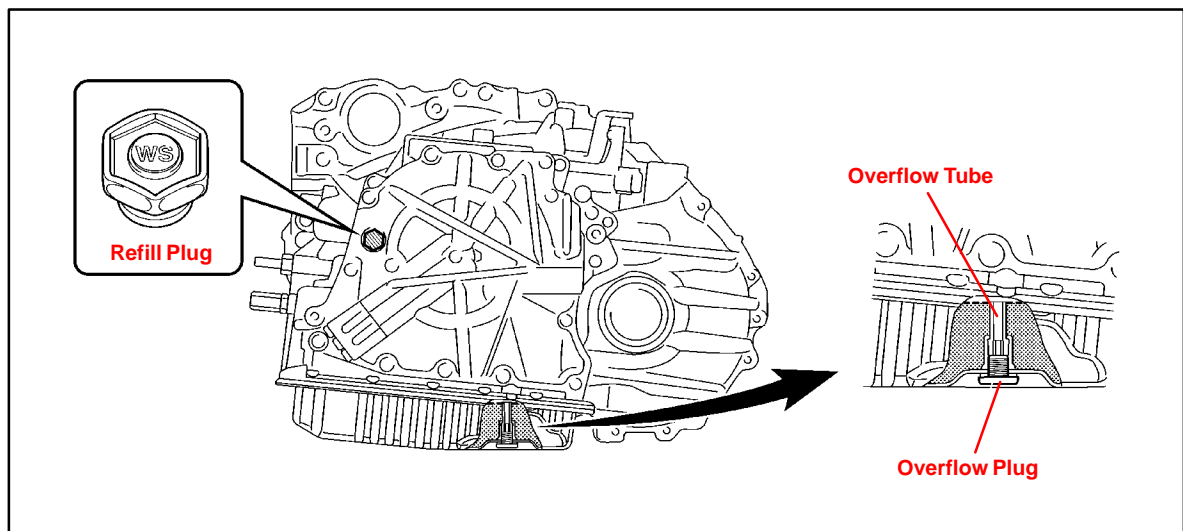
The A/T fluid temperature should be less than 104°F (40°C) before beginning the fluid temperature check.

3. Circulate the A/T fluid.
  - A. Start the engine in Park.
  - B. Move the gear selector from Park to Reverse.
  - C. Move the gear selector from Reverse to Neutral.
  - D. Move the gear selector from Neutral to Drive.
  - E. Return the gear selector to the Park position.

**NOTE:**

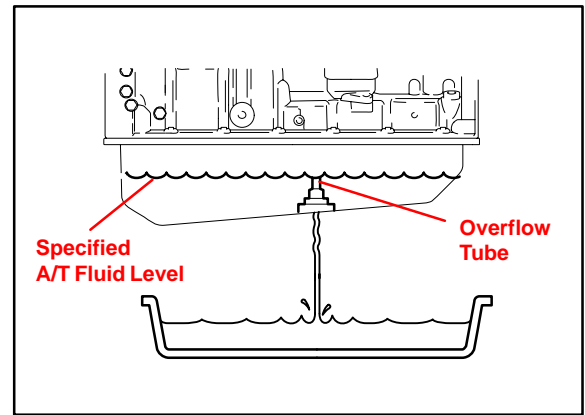
- Allow each gear to engage fully when performing this step.
- The A/T fluid temperature **MUST** be between 104°F (40°C) and 113°F (45°C) to accurately check the fluid level.

4. Check the A/T fluid level.
  - A. Allow the engine to idle until the A/T fluid temperature reaches 102°F (39°C).
  - B. Remove the overflow plug with the engine idling.



**Repair  
Procedure**  
(Continued)

- C. Check that fluid comes out of the overflow tube while the A/T fluid temperature is in the range of 104 – 113°F (40 – 45°C).
- If fluid does NOT come out while in the temperature range of 104 – 113°F (40 – 45°C), proceed to step 5.
  - If fluid comes out, reinstall the overflow plug.



**NOTE:**

A small amount of A/T fluid will come out as the overflow plug is removed. Do NOT confuse this for proper fluid level. A/T fluid should come out of the overflow tube at a consistent rate.

5. Add A/T fluid.

**Automatic Transaxle Fluid: Genuine ATF WS Transmission Fluid**

- A. Remove the refill plug.
- B. Add fluid until it comes out of the overflow tube.
- C. After A/T fluid temperature drops below 102°F (39°C), recheck A/T fluid level as described in step 4.
- D. Install the overflow plug.
- E. Install the refill plug.