

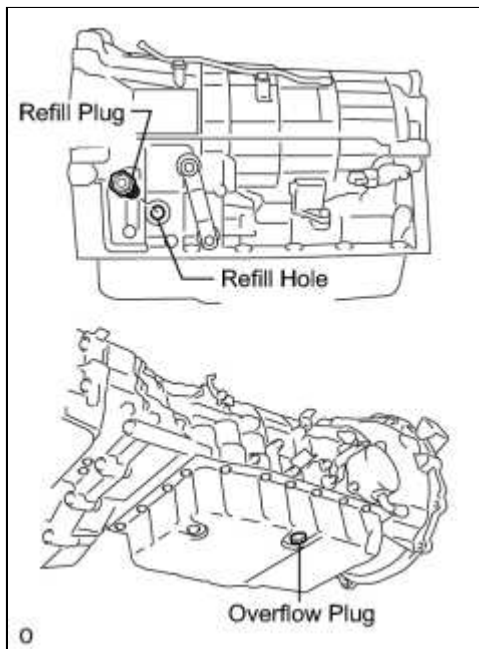
Last Modified: 7-19-2010	6.4 N	From: 200501
Model Year: 2006	Model: GS300	Doc ID: RM0000013BU01YX
Title: A760H AUTOMATIC TRANSMISSION: AUTOMATIC TRANSMISSION FLUID: ADJUSTMENT (2006 GS300)		

ADJUSTMENT

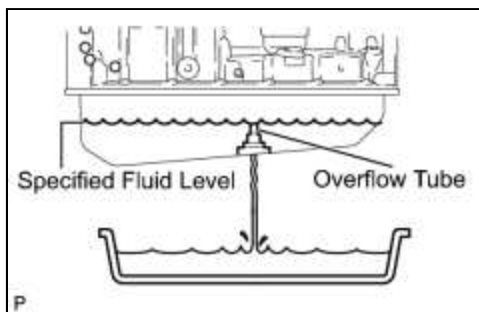
1. BEFORE FILLING TRANSMISSION

- This transmission requires Toyota Genuine ATF WS.
- It is necessary to refill the transmission with the correct amount of fluid.
- The vehicle must remain level while adjusting the transmission fluid level.

2. FILL TRANSMISSION PAN WITH FLUID



(a) Remove the refill plug and overflow plug.



(b) Fill the transmission through the refill hole until fluid begins to trickle out of the overflow tube.

(c) Reinstall the overflow plug.

3. FILL TRANSMISSION

- (a) Fill the transmission with the correct amount of fluid as listed in the table below.
- (b) Reinstall the refill plug to avoid fluid splash.

Standard capacity:

PERFORMED REPAIR	FILL AMOUNT
Transmission pan and drain plug removal	1.6 liters (1.7 US qts, 1.4 Imp. qts)
Transmission valve body removal	3.7 liters (3.9 US qts, 3.25 Imp. qts)
Torque converter removal	4.7 liters (5.0 US qts, 4.1 Imp. qts)

HINT:

If you cannot add the listed amount of fluid, do the following:

- (1) Install the refill plug.
- (2) Allow the engine to idle with the air conditioning OFF.
- (3) Move the shift lever through entire gear range to circulate fluid.
- (4) Wait for 30 seconds with the engine idling.
- (5) Stop the engine.
- (6) Remove the refill plug and add fluid.
- (7) Reinstall the refill plug.

4. CHECK FLUID TEMPERATURE

NOTICE:

The fluid temperature can be confirmed by checking the D sift indicator in the meter or by intelligent tester. It is necessary to change to fluid temperature detection mode.

HINT:

The fluid temperature should be less than 30°C (86°F) before beginning the fluid temperature check.

- (a) When using the intelligent tester:
- (1) Turn the ignition switch OFF.
 - (2) Connect the intelligent tester to the DLC3.
 - (3) Turn the ignition switch ON

NOTICE:

- Do not start engine yet.
- Check that electrical systems such as the air conditioning system, audio system and lighting system are off.

- (4) Select the tester menus: DIAGNOSIS / ENHANCED OBD II / ACTIVE TEST / TC/TE1.
- (5) Enter the following menus: DATE LIST / AT FLUID TEMP.

(6) Check AT FLUID TEMP.

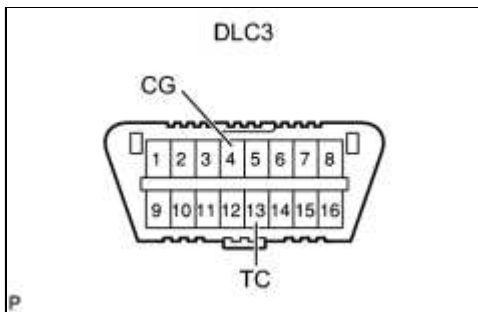
NOTICE:

- If the fluid temperature is below 46°C (115°F), proceed to the next step. (Recommended ATF temperature 41°C (106°F) or less.)
- If the fluid temperature is 46°C (115°F) or more, turn the ignition switch OFF and wait until the fluid temperature drops below 46°C (115°F).

(7) According to the display on the intelligent tester TC/TE1 "ON"

(8) Start the engine.

(b) When not using the intelligent tester (using D sift indicator):



(1) Connect terminals CG (4) and TC (13) of the DLC3 using SST.

SST: 09843-18040

(2) Start the engine.

NOTICE:

Check that electrical systems such as the air conditioning system, audio system and lighting system are off.

HINT:

Indicator lights of the meter blink to output DTCs when terminals TC and CG are connected and.

(c) Slowly move the shift lever from the P to the S position, Shift the gear from 1st to 6th and then return the shift lever return to P position.

(d) Move the shift lever to D, and quickly move back and forth between N and D (once within 1.5 seconds) for at least 6 seconds. This will activate the fluid temperature detection mode.

NOTICE:

D sift indicator remains illuminated for 2 seconds and then off.

(e) When using the intelligent tester:

(1) Return the shift lever to P and press "OFF" on the Active Test display.

(f) When not using the intelligent tester:

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

(g) Allow the engine to idle until the fluid temperature reaches 41 to 46°C (106 to 115°F).

- (h) The D sift indicator will come on again when the fluid temperature reaches 41°C (106°F) and will blink when it exceeds 46°C (115°F).

D sift Indicator Indication of ATF Temperature

BELOW PROPER TEMPERATURE	PROPER TEMPERATURE	HIGHER THAN PROPER TEMPERATURE
Date List: [AT FLUID TEMP] 41°C (106°F) or less	Date List: [AT FLUID TEMP] 41 to 46°C (106 to 115°F)	Date List: [AT FLUID TEMP] 46°C (115°F) or higher
D sift indicator: Turn off	D sift indicator: Turn on	D sift indicator: Blinking

NOTICE:

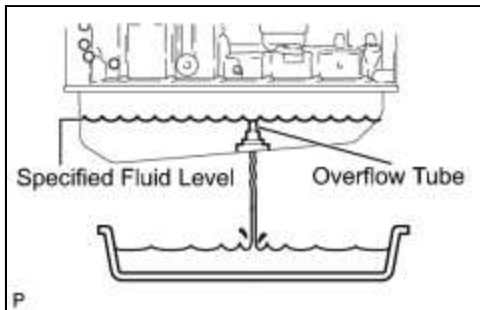
Perform the fluid level inspection while the D sift indicator is turn on.

5. CHECK FLUID LEVEL

NOTICE:

The fluid temperature must be between 41°C (106°F) and 46°C (115°F) to accurately check the fluid level.

- (a) Remove the overflow plug with the engine idling.



- (b) Check that the fluid comes out of the overflow tube.

If fluid does not come out, proceed to the "REFILL TRANSMISSION WITH FLUID".

If fluid comes out, wait until the overflow slows to a trickle and proceed to the "AFTER FILLING TRANSMISSION".

6. REFILL TRANSMISSION WITH FLUID

- Install the overflow plug.
- Stop the engine.
- Remove the refill plug.
- Add 0.4 liters (0.42 US qts, 0.35 Imp. qts) of fluid.
- Allow the engine to idle and wait for 10 seconds.
- Repeat the "CHECK FLUID LEVEL" procedure.

7. AFTER FILLING TRANSMISSION

- (a) Install the overflow plug with a new gasket.

Torque: 20 N·m (204 kgf·cm, 15ft·lbf)

- (b) Stop the engine.

(c) Install the refill plug with a new O-ring.

Torque: 39 N·m (400 kgf·cm, 29ft·lbf)

