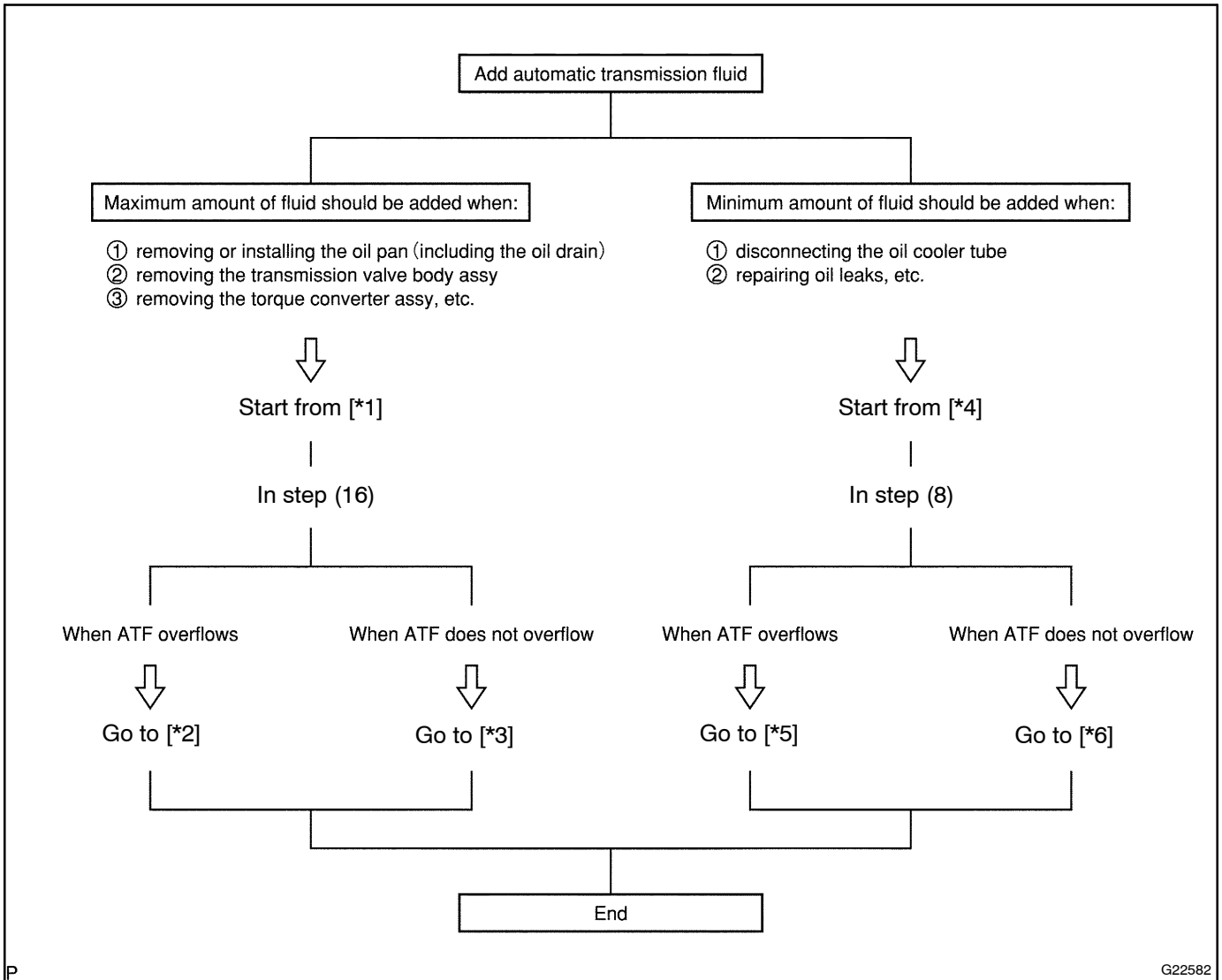


# AUTOMATIC TRANSMISSION FLUID ADJUSTMENT

40181-01

## 1. ADD AUTOMATIC TRANSMISSION FLUID



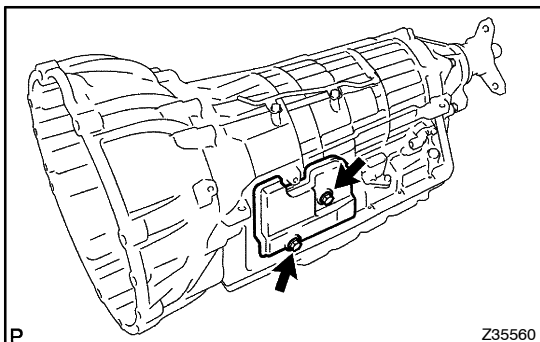
P

G22582

(a) When adding a maximum amount of fluid: [\*1]

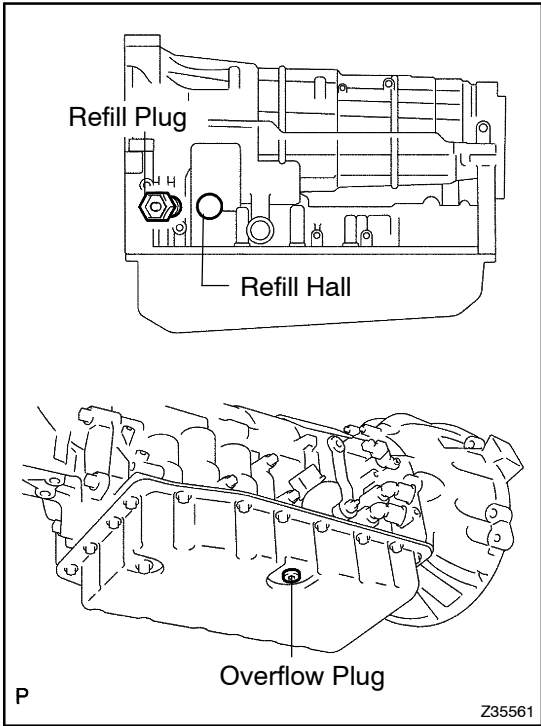
(1) Lift up the vehicle.

(2) Remove the 2 bolts and transmission case cover.

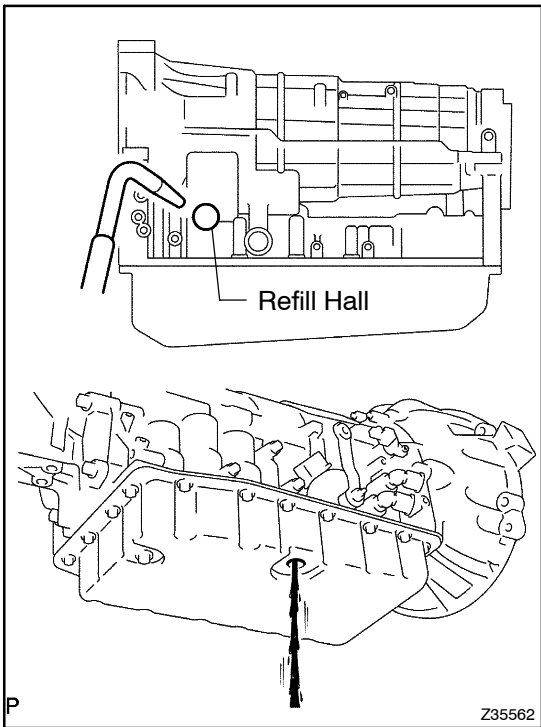


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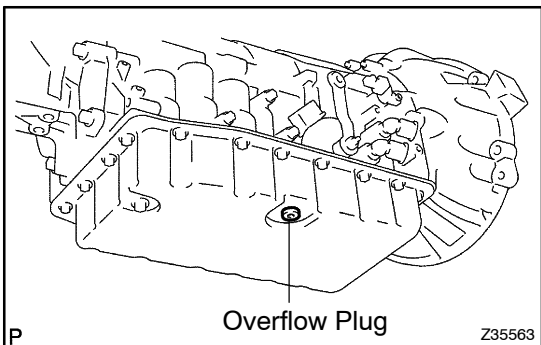


(3) Remove the refill plug and overflow plug.



(4) Add ATF to the refill hole until it drains out from the overflow hole.

**NOTICE:**  
Be sure to add ATF WS.



(5) Install a new gasket and the overflow plug.  
**Torque: 20 N·m (204 kgf·cm, 15 ft·lbf)**

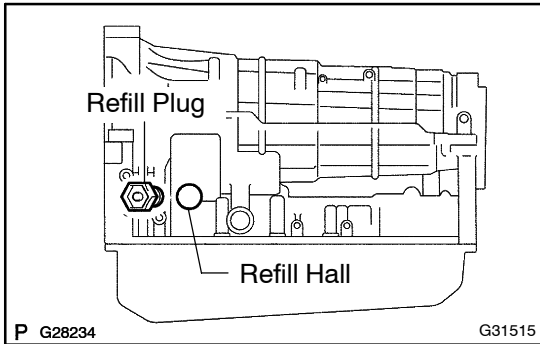


(6) Add proper amount of ATF to the refill hole.

**NOTICE:**

**Refill amount is different depending on the related procedures.**

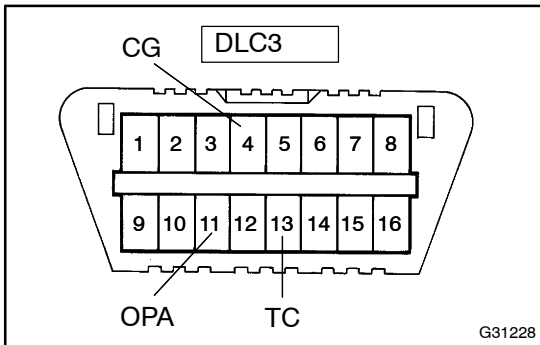
Related procedures	Refill amount
Removal and installation of oil pan (Including the oil drain)	1.7 liters (1.8 usqts, 1.5 Imp.qts)
Removal of transmission valve body assy	4.3 liters (4.5 usqts, 3.8 Imp.qts)
Removal of torque converter assy	5.4 liters (5.7 usqts, 4.8 Imp.qts)



(7) Install a new O-ring and the refill plug.

**Torque: 39 N·m (400 kgf·cm, 53 ft·lbf)**

(8) Lower down the vehicle.



(9) Using SST, create a short-circuit between terminals TC and CG of the DLC3.

SST 09843-18040

**NOTICE:**

**Create a short-circuit between terminals TC, OPA, and CG for a vehicle equipped with air suspension.**

(10) Start the engine.

**NOTICE:**

- **If the vehicle is equipped with a smart key, be sure to start the engine by inserting the key into the key cylinder.**
  - **Turn the A/C off.**
- (11) 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 to the P position.
- (12) Switch to the fluid temperature detection mode.
- Move the shift lever from the N to the D position or from D to N within 1.5 seconds.
  - Perform the above procedure for 6 seconds or more.

**Standard:**

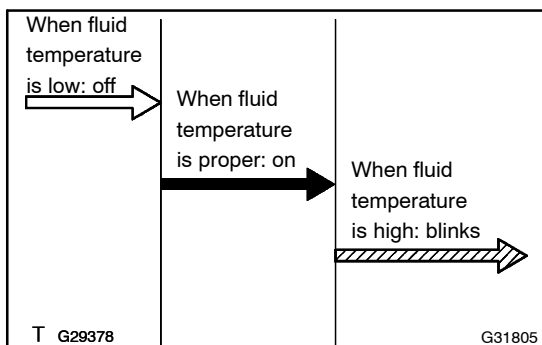
**Meter indicator light "D" comes on for 2 seconds and then goes off.**

(13) Disconnect terminal TC after confirming the above condition.

**NOTICE:**

**Do not disconnect terminal OPA on a vehicle with air suspension.**

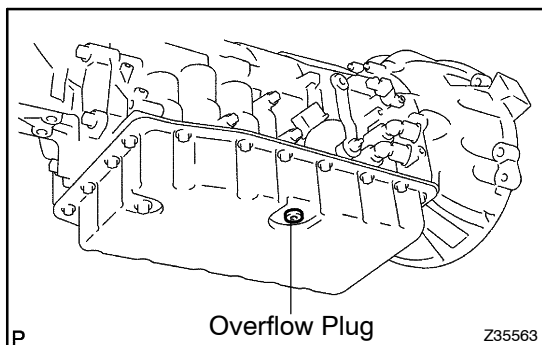
(14) Idle the engine to raise fluid temperature.



- (15) Lift up the vehicle right after meter indicator light "D" comes on.

**NOTICE:**

- Add fluid only when the meter indicator light is on.
- Perform the procedure while the engine is idling.

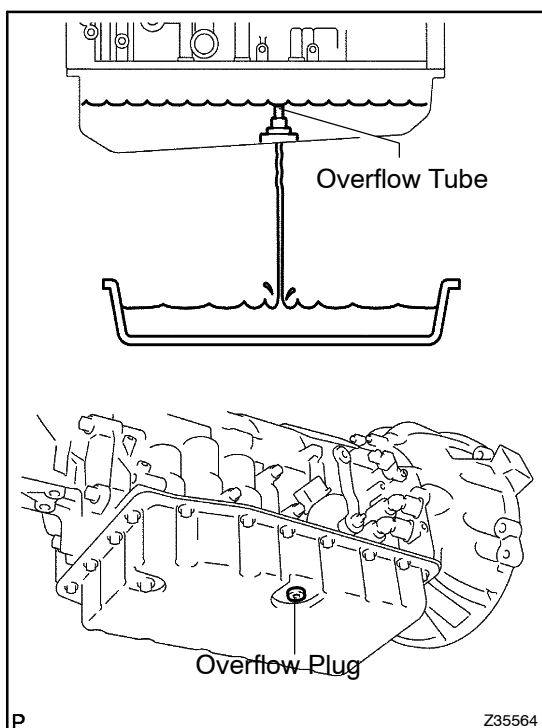


- (16) Remove the overflow plug. If ATF overflows, proceed to [\*2].

If ATF does not overflow, proceed to [\*3].

**HINT:**

"Overflow" indicates the condition that ATF drains out from the overflow tube.



- (b) When fluid overflows: [\*2]

**NOTICE:**

**Capacity of the overflow tube is approximately 3 cc.**

- (1) Install a new gasket and the overflow plug when the draining ATF becomes a trickle.

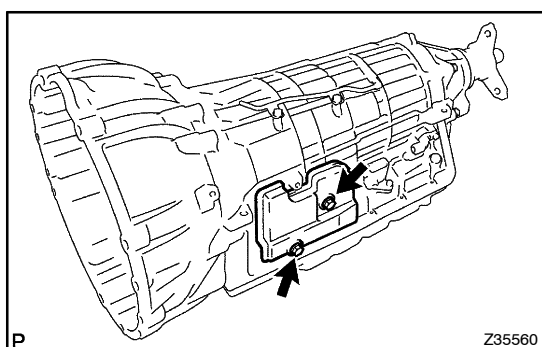
**Torque: 20 N·m (204 kgf·cm, 15 ft·lbf)**

**NOTICE:**

**Be careful when handling the drained ATF as its temperature is high.**

- (2) Install a new O-ring and tighten the refill plug.

**Torque: 39 N·m (400 kgf·cm, 53 ft·lbf)**

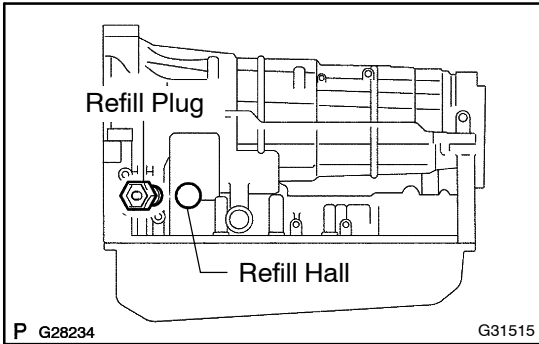


- (3) Install the transmission case cover with the 2 bolts.

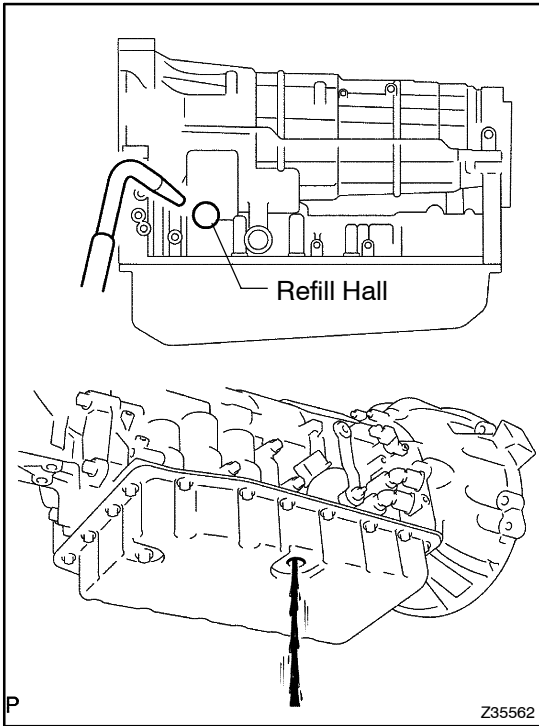
**Torque: 5.4 N·m (55 kgf·cm, 48 in·lbf)**

- (4) Lower down the vehicle.

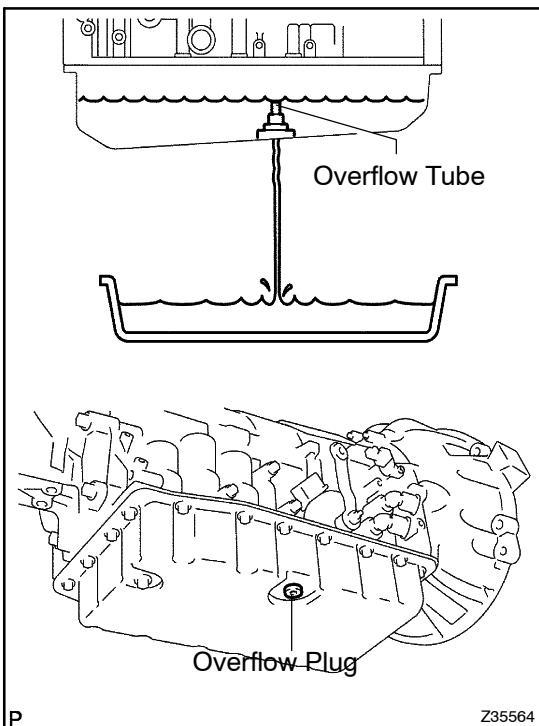
- (5) Turn the ignition switch off and remove the SST.



- (c) When fluid does not overflow: [\*3]  
 (1) Remove the refill plug.



- (2) Add ATF to the refill hole until it drains out from the overflow hole.

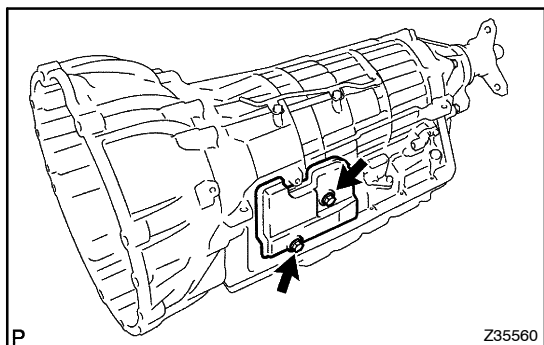


- (3) Install a new gasket and the overflow plug when the draining ATF becomes a trickle.

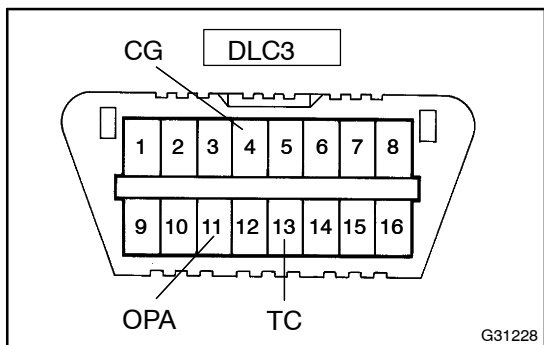
**Torque: 20 N·m (204 kgf·cm, 15 ft·lbf)**

- (4) Install a new O-ring and tighten the refill plug.

**Torque: 39 N·m (400 kgf·cm, 53 ft·lbf)**



- (5) Install the transmission case cover with the 2 bolts.  
**Torque: 5.4 N·m (55 kgf·cm, 48 in·lbf)**
- (6) Lower down the vehicle.
- (7) Turn the ignition switch off and remove the SST.



- (d) When adding a minimum amount of fluid: [\*4]
  - (1) Using SST, create a short-circuit between terminals TC and CG of the DLC3.

SST 09843-18040

**NOTICE:**

**Create a short-circuit between terminals TC, OPA, and CG for a vehicle equipped with air suspension.**

- (2) Start the engine.

**NOTICE:**

- **If the vehicle is equipped with a smart key, be sure to start the engine by inserting the key into the key cylinder.**
  - **Turn the A/C off.**
- (3) 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 to the P position.
  - (4) Switch to the fluid temperature detection mode.
    - Move the shift lever from the N to the D position or from D to N within 1.5 seconds.
    - Perform the above procedure for 6 seconds or more.

**Standard:**

**Meter indicator light "D" comes on for 2 seconds and then goes off.**

- (5) Disconnect terminal TC after confirming the above condition.

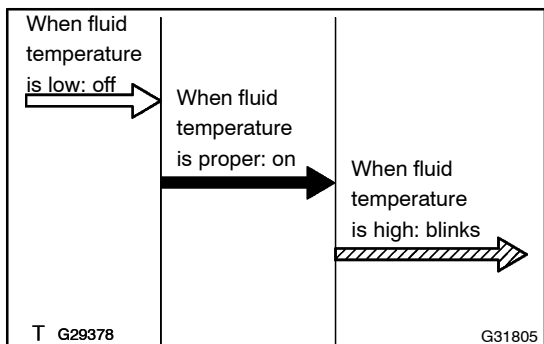
**NOTICE:**

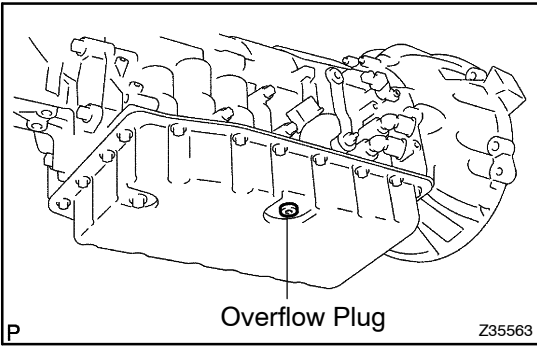
**Do not disconnect terminal OPA on a vehicle with air suspension.**

- (6) Idle the engine to raise fluid temperature.
- (7) Lift up the vehicle right after meter indicator light "D" comes on.

**NOTICE:**

- **Add fluid only when the meter indicator light is on.**
- **Perform the procedure while the engine is idling.**

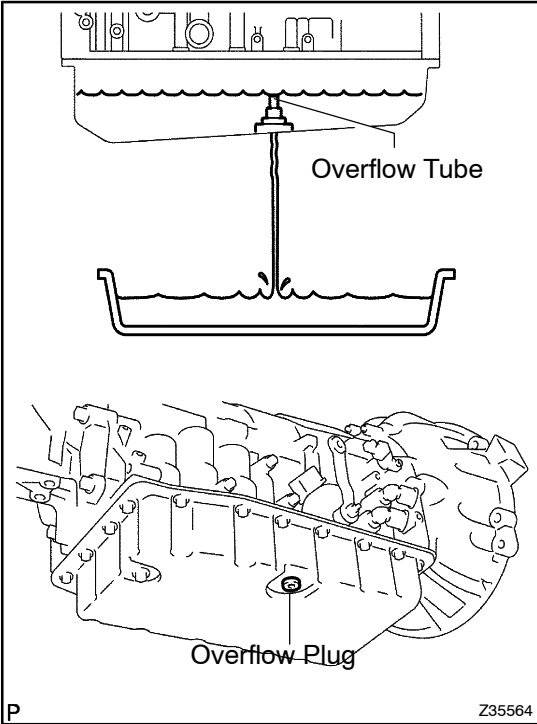




- (8) Remove the overflow plug. If ATF overflows, proceed to [\*5]. If ATF does not overflow, proceed to [\*6].

HINT:

"Overflow" indicates the condition that ATF drains out from the overflow tube.



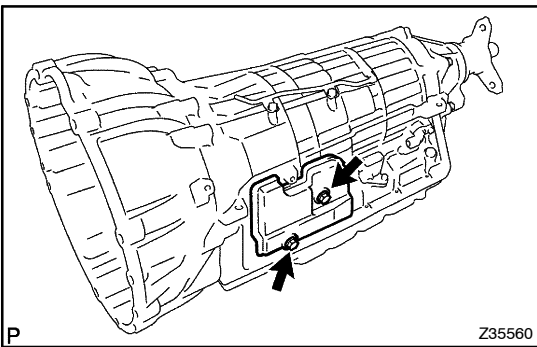
- (e) When fluid overflows: [\*5]

- (1) Install a new gasket and the overflow plug when the draining ATF becomes a trickle.

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

**NOTICE:**

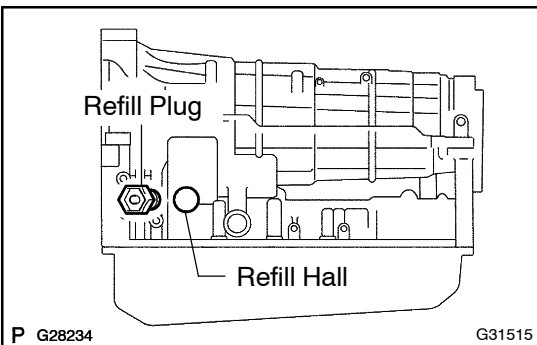
**Be careful when handling the drained ATF as its temperature is high.**



- (2) Install the transmission case cover with the 2 bolts.

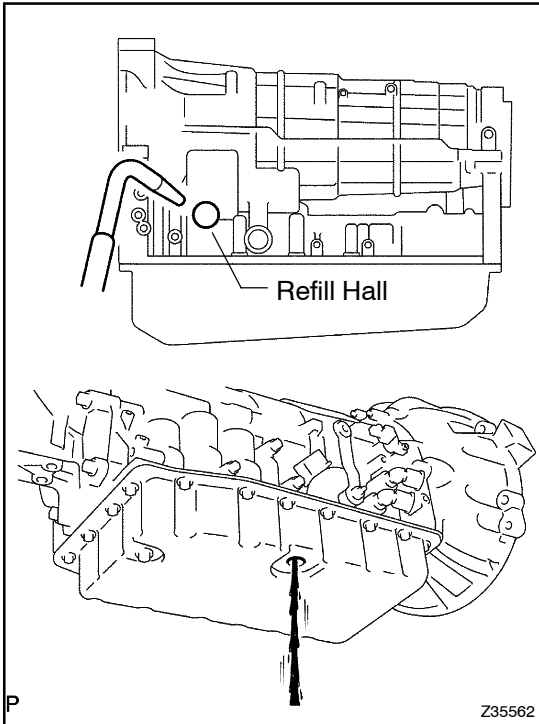
**Torque: 5.4 N·m (55 kgf·cm, 48 in·lbf)**

- (3) Lower down the vehicle.
- (4) Turn the ignition switch off and remove the SST.

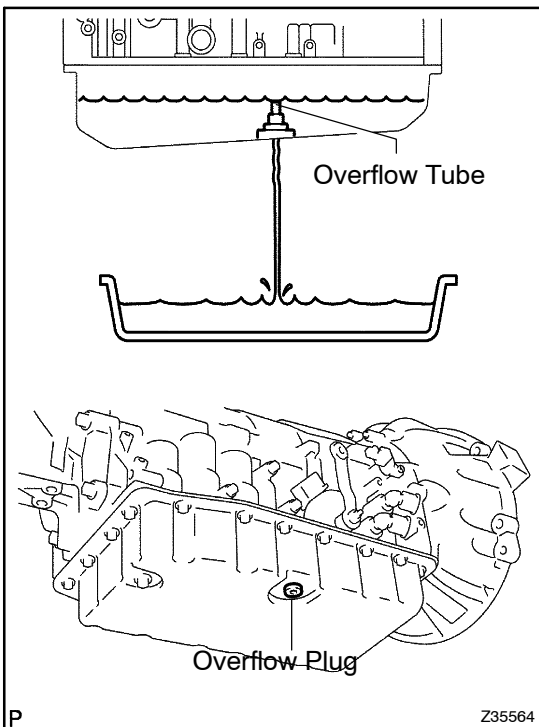


- (f) When fluid does not overflow: [\*6]

- (1) Remove the refill plug.



- (2) Add ATF to the refill hole until it drains out from the overflow hole.

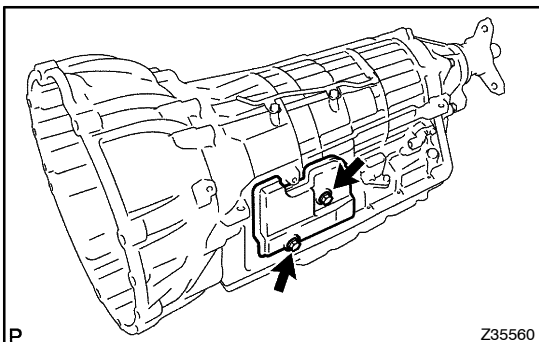


- (3) Install a new gasket and the overflow plug when the draining ATF becomes a trickle.

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

- (4) Install a new O-ring and tighten the refill plug.

**Torque: 39 N·m (400 kgf·cm, 53 ft·lbf)**



- (5) Install the transmission case cover with the 2 bolts.

**Torque: 5.4 N·m (55 kgf·cm, 48 in·lbf)**

- (6) Lower down the vehicle.

- (7) Turn the ignition switch off and remove the SST.