

# AUTOMATIC TRANSMISSION FLUID

## PERIODIC MAINTENANCE SERVICES

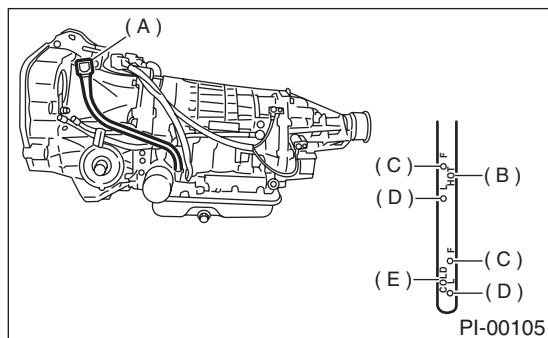
### 15. Automatic Transmission Fluid

#### A: INSPECTION

##### CAUTION:

The level of ATF varies with fluid temperature. Pay attention to the fluid temperature when checking ATF level.

- 1) Raise the ATF temperature by driving a distance of 5 to 10 km (3 to 6 miles). Otherwise, idle the engine to raise ATF temperature to 70 — 80°C (158 — 176°F) on Subaru Select Monitor. <Ref. to 4AT-18, READ CURRENT DATA, OPERATION, Subaru Select Monitor.>
- 2) Make sure the vehicle is level.
- 3) After selecting all positions (P, R, N, D, 3, 2, 1), shift the select lever in “P” range. Measure the ATF level with engine idling for one or two minutes.



- (A) Level gauge
- (B) ATF level range at “HOT” [70 — 80°C (158 — 176°F)]
- (C) Upper level
- (D) Lower level
- (E) ATF level range at “COLD” [20 — 30°C (68 — 86°F)]

- 4) Make sure that ATF level is above the center of upper and lower marks at “HOT” side.
- 5) If the ATF level is below the center between upper and lower marks, add the recommended ATF until the fluid level is found above the center between upper and lower marks.

##### CAUTION:

- Use care not to exceed the upper limit level.
- Addition of ATF to the upper limit mark on “HOT” side when the ATF temperature is below 70°C (158°F) will overfilling of ATF, causing a transmission failure.

- 6) Check ATF level after raising ATF temperature to 70 — 80°C (158 — 176°F) by running the vehicle or by idling the engine again.
- 7) Check the ATF for leaks.  
Check for leaks in the transmission. If there are leaks, it is necessary to repair or replace gasket, oil seals, plugs or other parts.

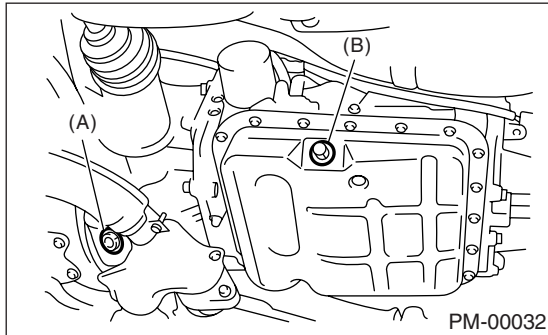
## B: REPLACEMENT

### 1. AUTOMATIC TRANSMISSION FLUID

1) Drain ATF (Automatic Transmission Fluid) by removing drain plug after allowing the engine to cool for 3 to 4 hours.

**NOTE:**

Before starting work, cool off the engine well.



(A) Front differential drain plug

(B) ATF drain plug

2) Reinstall drain plug after draining ATF, and tighten it to the specified torque.

**Tightening torque:**

**25 N·m (2.5 kgf·m, 18.1 ft·lb)**

3) Pour ATF into the oil charge pipe.

**Recommended fluid:**

**Dexron III type automatic transmission fluid**

**ATF amount:**

**Refill with the same amount of ATF that was drained.**

4) Check the level of the ATF. Refer to "INSPECTION".

### 2. ATF FILTER

**NOTE:**

ATF filter is maintenance free part. ATF filter needs replacement, when it has physically damaged or ATF leaked.

For the replacement procedures of the ATF filter:  
<Ref. to 4AT-76, ATF Filter.>