

## 15. Automatic Transmission Fluid

### A: INSPECTION

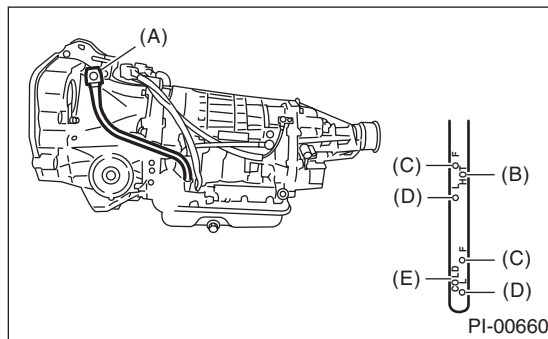
**CAUTION:**

The level of ATF varies with fluid temperature. Pay attention to the ATF 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(diag)-16, Read Current Data.>

2) Make sure the vehicle is level.

3) After selecting all positions (P, R, N, D), set the select lever in “P” range. Idle the engine for 1 or 2 minutes, and measure the ATF level.



- (A) Level gauge
- (B) Inspection position when HOT [70 — 80°C (158 — 176°F)]
- (C) Upper level
- (D) Lower level
- (E) Inspection position when COLD [20 — 30°C (68 — 86°F)]

4) Make sure that ATF level is the center of upper and lower level at “HOT” side.

5) If the ATF level is below the center between upper and lower level, add the recommended ATF until the fluid level is found above the center between upper and lower level.

**CAUTION:**

- Be careful not to exceed the upper level limit.
- Adding ATF to the upper limit mark on “HOT” side when the ATF temperature is less than 70°C (158°F) will overfill of ATF and cause a transmission failure.

• If the ATF is spilt over exhaust pipe, wipe it off with cloth to avoid emitting smoke or causing a fire.

6) Check ATF level after raising ATF temperature to 70 — 80°C (158 — 176°F) by driving the vehicle for 5 — 10 km (3 — 6 miles) or by idling the engine.

7) Check the ATF for leaks.

If there are leaks, it is necessary to repair or replace gaskets, oil seals, plugs or other parts.

### B: REPLACEMENT

1) Lift up the vehicle.

2) Drain the ATF (Automatic Transmission Fluid) by removing drain plug.

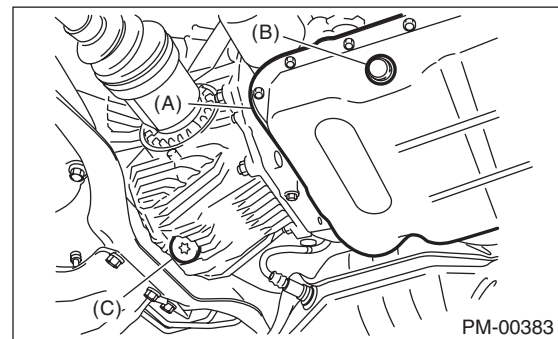
**CAUTION:**

If the ATF is spilt over exhaust pipe, wipe it off with cloth to avoid emitting smoke or causing a fire.

**NOTE:**

Before starting work, cool off the ATF well.

3) Check the condition of ATF drained. <Ref. to 4AT-27, CONDITION CHECK, Automatic Transmission Fluid.>



- (A) Oil pan
- (B) Drain plug (ATF)
- (C) Differential gear oil drain plug

4) Replace the gasket with new part, and then tighten the drain plug to specified torque.

**Tightening torque:**

**25 N·m (2.5 kgf·m, 18.4 ft·lb)**

5) Lower the vehicle.

6) Pour ATF from the oil charge pipe.

**Recommended fluid:**

<Ref. to RM-4, FLUID, RECOMMENDED MATERIALS, Recommended Materials.>

**Fluid capacity:**

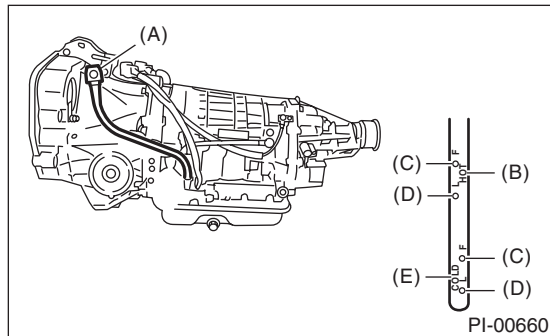
Fill the same amount of ATF drained from ATF drain plug hole.

# Automatic Transmission Fluid

## PERIODIC MAINTENANCE SERVICES

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7) Check the level and leaks of the ATF. <Ref. to PM-21, INSPECTION, Automatic Transmission Fluid.>



- (A) Level gauge
- (B) Inspection position when HOT [70 — 80°C (158 — 176°F)]
- (C) Upper level
- (D) Lower level
- (E) Inspection position when COLD [20 — 30°C (68 — 86°F)]