

## 2. Automatic Transmission Fluid

S502248

### A: INSPECTION

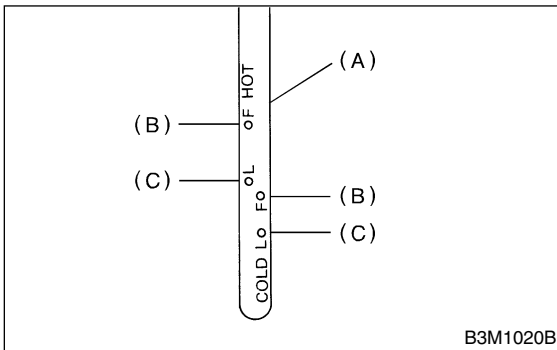
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1) Check the level of the ATF.

(1) Raise the ATF temperature to 60 to 80°C (140 to 176°F) from (140 to 176°F) 40 to 60°C (104 to 140°F) (when cold) by driving a distance of 5 to 10 km (3 to 6 miles).

**NOTE:**

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



- (A) ATF level gauge
- (B) Upper level
- (C) Lower level

(2) Make sure the vehicle is level. After selecting all positions (P, R, N, D, 3, 2, 1), set the select lever in "P" range. Measure fluid level with the engine idling.

**NOTE:**

After running, idle the engine for one or two minutes before measurement.

(3) If the fluid level is below the center between upper and lower marks, add the recommended ATF until the fluid level is found within the specified range (above the center between upper and lower marks). When the transmission is hot, the level should be above the center of upper and lower marks, and when it is cold, the level should be found below the center of these two marks.

**NOTE:**

- Use care not to exceed the upper limit level.
- ATF level varies with temperature. Remember that the addition of fluid to the upper limit mark when the transmission is cold will result in overfilling of fluid.

(4) Fluid temperature rising speed:

- By idling the engine  
Time for temperature rise to 60°C (140°F) with atmospheric temperature of 0°C (32°F): More than 25 minutes

<Reference>

Time for temperature rise to 30°C (86°F) with atmospheric temperature of 0°C (32°F): Approx. 8 minutes

- By running the vehicle

Time for temperature rise to 60°C (140°F) with atmospheric temperature of 0°C (32°F): More than 10 minutes

(5) Method for checking fluid level upon delivery or at periodic inspection:

Check fluid level after a warm-up run of approx. 10 minutes. During the warm-up period, the automatic transmission functions can also be checked.

2) Check the fluid 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

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- 1) Lift-up the vehicle.
- 2) Drain the ATF completely.

**CAUTION:**

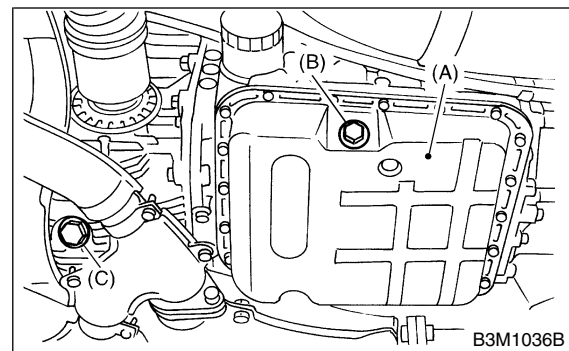
**Directly after the engine has been running, the ATF is hot. Be careful not to burn yourself.**

**NOTE:**

Tighten the ATF drain plug after draining the ATF.

**Tightening torque:**

**25 N·m (2.5 kgf·m, 18.1 ft·lb)**



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

- 3) Lower the vehicle.
- 4) Pour ATF into the oil charge pipe.

**Recommended fluid:**

**Dexron III type automatic transmission fluid**

# AUTOMATIC TRANSMISSION FLUID

Automatic Transmission

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**Capacity:**

*Fill the same amount of fluid drained  
from the drain plug hole.*

**Capacity when transmission is overhauled:**

**9.3 — 9.6 ℓ (9.8 — 10.1 US qt, 8.2 — 8.4  
Imp qt)**

- 5) Check the level and leaks of the ATF.  
<Ref. to AT-9, INSPECTION, Automatic Transmis-  
sion Fluid.>