

FRONT & REAR DIFFERENTIAL OIL

PERIODIC MAINTENANCE SERVICES

16. Front & Rear Differential Oil

A: REPLACEMENT

1. FRONT DIFFERENTIAL (MANUAL TRANSMISSION)

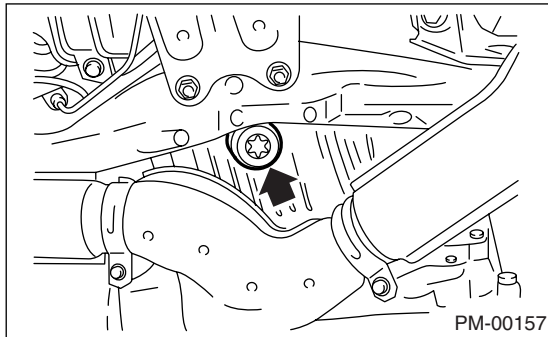
For M/T vehicle, manual transmission oil works as differential oil to lubricate differential. Refer to "Transmission Oil". <Ref. to PM-25, MANUAL TRANSMISSION, REPLACEMENT, Transmission Oil.>

2. FRONT DIFFERENTIAL (AUTOMATIC TRANSMISSION)

1) Drain differential gear oil by removing drain plug using TORX T70.

NOTE:

- Before starting work, cool off the engine well.
- If transmission gear oil splashes on exhaust pipe, wipe it clean.



2) Reinstall drain plug after draining differential gear oil and tighten it to the specified torque.

Tightening torque:

When using copper gasket:

70 N·m (7.1 kgf-m, 51.4 ft-lb)

When using aluminum gasket:

44 N·m (4.5 kgf-m, 32 ft-lb)

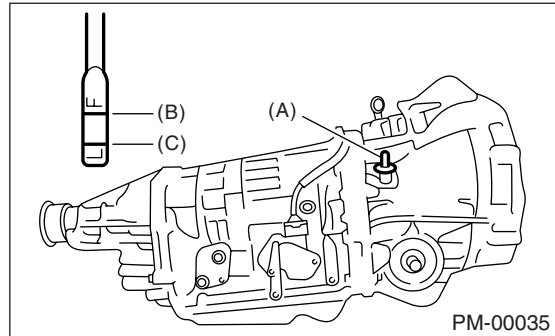
NOTE:

- Be sure to place a gasket between the transmission case and drain plug.
- Replace the gasket with a new one.
- Each oil manufacturer has its base oil and additives. Thus, do not mix two or more brands.

3) Fill differential gear oil through the oil level gauge up to the upper point of level gauge.

Differential gear oil capacity:

1.1 — 1.3 ℓ (1.2 — 1.4 US qt, 1.0 — 1.1 Imp qt)



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

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3. REAR DIFFERENTIAL

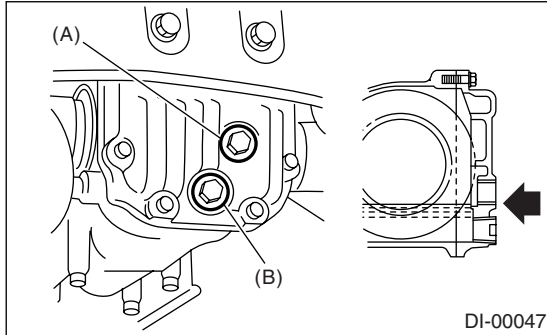
• Non-TURBO AT model

- 1) Drain oil by removing drain plug.
- 2) Remove filler plug for quicker draining.
- 3) Replace drain plug gasket with a new one.
- 4) Tighten drain plug to the specified torque.

Tightening torque:

34 N·m (3.5 kgf-m, 25.3 ft-lb)

- 5) After installing drain plug, fill oil fully up to the mouth of filler plug.



- (A) Filler plug
(B) Drain plug

Oil capacity:

0.8 ℓ (0.8 US qt, 0.7 Imp qt)

- 6) Replace filler plug gasket with a new one.
- 7) Install filler plug onto rear differential gear case.

Tightening torque:

34 N·m (3.5 kgf-m, 25.3 ft-lb)

• Except Non-TURBO AT model

- 1) Drain oil by removing drain plug.
- 2) Remove filler plug for quicker draining.
- 3) Tighten drain plug after draining oil.

NOTE:

Apply fluid gasket to drain plug threads before installation.

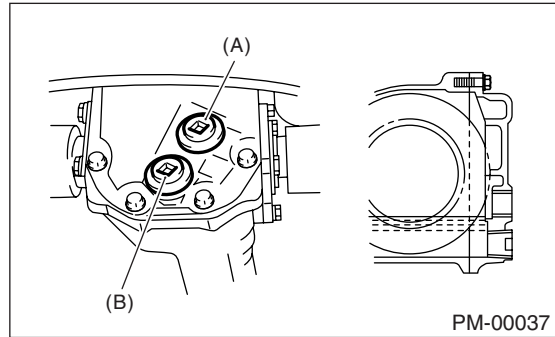
Fluid gasket:

Three Bond 1105 (Part No. 004403010)

Tightening torque:

49.0 N·m (5.0 kgf-m, 36.2 ft-lb)

- 4) After installing drain plug onto rear differential gear case firmly, fill oil up fully to the mouth of filler plug.



- (A) Filler plug
(B) Drain plug

Oil capacity:

0.8 ℓ (0.8 US qt, 0.7 Imp qt)

NOTE:

Each oil manufacturer has its base oil and additives. Thus, do not mix two or more brands.

- 5) Install filler plug onto rear differential gear case firmly.

NOTE:

Apply fluid packing to filler plug before installation.

Fluid packing:

Three Bond 1105 (Part No. 004403010)

Tightening torque:

49.0 N·m (5.0 kgf-m, 36.2 ft-lb)