

Front & Rear Differential Gear Oil

PERIODIC MAINTENANCE SERVICES

15. Front & Rear Differential Gear Oil

A: REPLACEMENT

1. FRONT DIFFERENTIAL (MT MODEL)

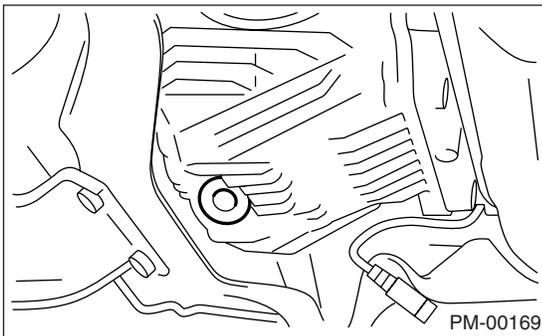
Front differential gear oil for MT model lubricates the transmission and differential together. Refer to "Transmission Oil" for replacement procedure. <Ref. to PM-25, Transmission Gear Oil.>

2. FRONT DIFFERENTIAL (AT MODEL)

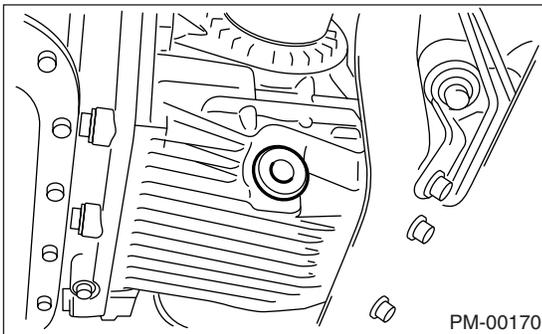
1) Drain the differential gear oil by removing drain plug using TORX® BIT T70.

NOTE:

- Before starting work, cool off the differential gear oil well.
- If front differential gear oil adheres to the exhaust pipe, wipe it off completely.
- 4AT model



- 5AT model



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

Tightening torque:

70 N·m (7.1 kgf·m, 51.6 ft·lb)

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

Recommended gear oil:

Refer to "RM" section. <Ref. to RM-2, LUBRICANTS, RECOMMENDED MATERIALS, Recommended Materials.>

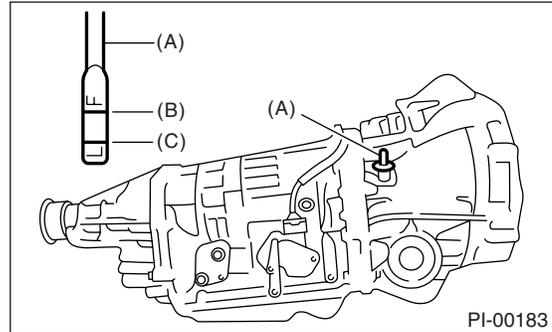
NOTE:

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

Differential gear oil capacity:

4AT model

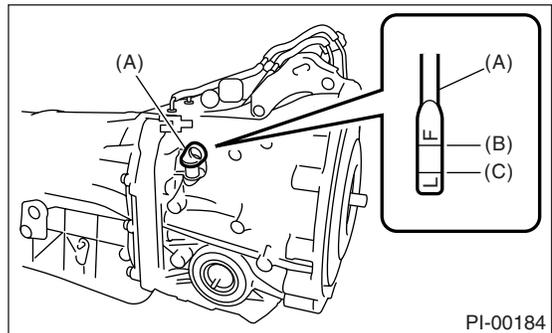
1.1 — 1.3 ℓ (1.2 — 1.4 US qt, 1.0 — 1.1 Imp qt)



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

5AT model

1.3 — 1.5 ℓ (1.4 — 1.6 US qt, 1.1 — 1.3 Imp qt)



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

3. REAR DIFFERENTIAL

- 1) Drain the oil by removing drain plug.
- 2) Remove the filler plug for quick draining oil.
- 3) Install the drain plug after draining oil.

NOTE:

- Apply liquid gasket to the drain plug threads for T-type.
- Use a new gasket for VA-type.

Liquid gasket:

THREE BOND 1105 (Part No. 004403010)

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Tightening torque:

T-type

49.0 N·m (5.0 kgf-m, 36.2 ft-lb)

VA1-type

34 N·m (3.5 kgf-m, 25.3 ft-lb)

VA2-type

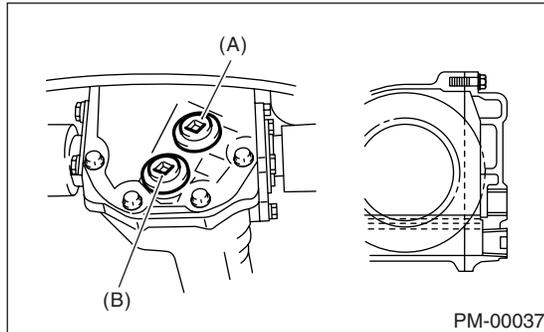
29 N·m (3.0 kgf-m, 21.4 ft-lb)

4) Pour oil to the bottom end of filler plug hole.

Recommended gear oil:

Refer to "RM" section. <Ref. to RM-2, LUBRICANTS, RECOMMENDED MATERIALS, Recommended Materials.>

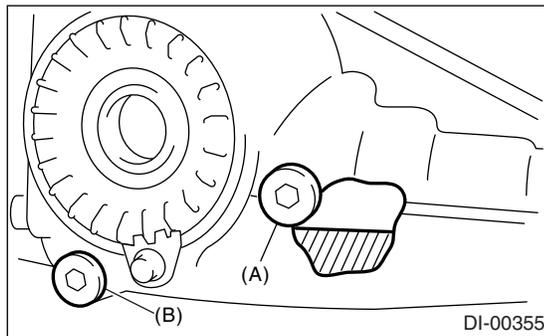
- Except for VA2-type



(A) Filler plug

(B) Drain plug

- VA2-type



(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 the filler plug.

NOTE:

- Apply liquid gasket to the filler plug threads for T-type.
- Use a new aluminum gasket for VA-type.

Liquid gasket:

THREE BOND 1105 (Part No. 004403010)

Tightening torque:

T-type

49.0 N·m (5.0 kgf-m, 36.2 ft-lb)

VA1-type

34 N·m (3.5 kgf-m, 25.3 ft-lb)

VA2-type

29 N·m (3.0 kgf-m, 21.4 ft-lb)