

# Front & Rear Differential Gear Oil

## PERIODIC MAINTENANCE SERVICES

### 15. Front & Rear Differential Gear Oil

#### A: REPLACEMENT

##### 1. FRONT DIFFERENTIAL (MT MODEL)

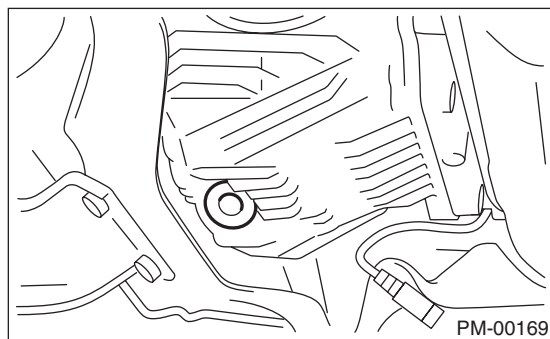
Front differential gear oil for MT model lubricates the transmission and differential together. Refer to "Transmission Oil" for replacement procedure. <Ref. to PM-27, Transmission Gear Oil.>

##### 2. FRONT DIFFERENTIAL (AT MODEL)

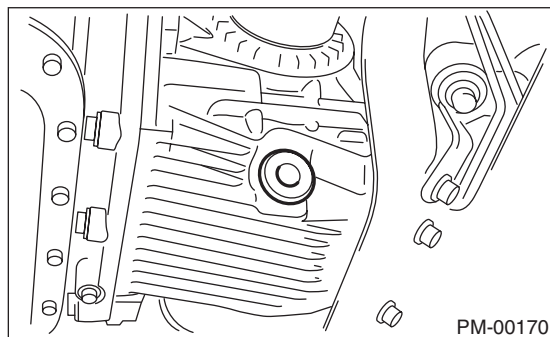
1) Drain the differential gear oil by removing drain plug using TORX® BIT T70.

#### 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 part, and then tighten the drain plug to specified torque.

#### Tightening torque:

##### Copper gasket

70 N·m (7.1 kgf·m, 51.6 ft·lb)

##### Aluminum gasket

44 N·m (4.5 kgf·m, 32.5 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.>

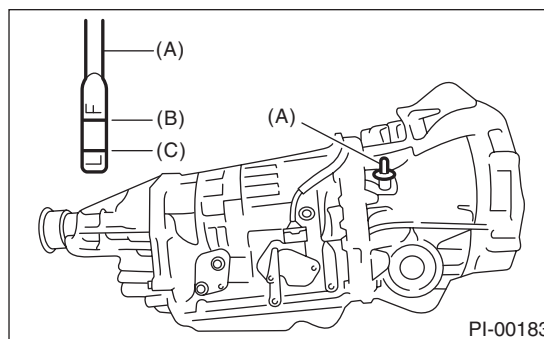
#### NOTE:

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

#### Gear oil capacity:

##### 4AT model

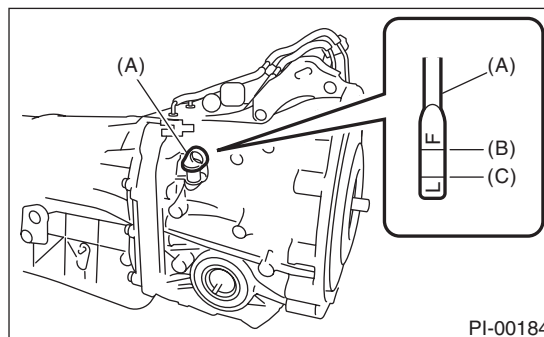
1.1 — 1.3 ℓ (1.2 — 1.4 US qt, 1.0 — 1.1 Imp qt)



- (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)**

**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

**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 gasket for VA-type.

**Liquid gasket:**

**THREE BOND 1105 (Part No.004403010)**

**Tightening torque:**

**T-type**

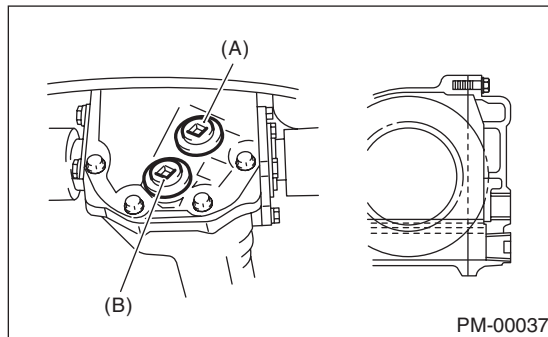
**49.0 N·m (5.0 kgf·m, 36.2 ft·lb)**

**VA1-type**

**34 N·m (3.5 kgf·m, 25.3 ft·lb)**

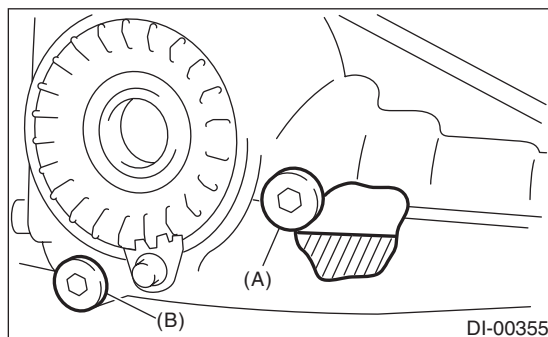
**VA2-type**

**29 N·m (3.0 kgf·m, 21.4 ft·lb)**



- (A) Filler plug
- (B) Drain plug

- VA2-type



- (A) Filler plug
- (B) Drain plug