

Front & Rear Differential Gear Oil

PERIODIC MAINTENANCE SERVICES

17. Front & Rear Differential Gear Oil

A: REPLACEMENT

1. FRONT DIFFERENTIAL (MT MODEL)

For MT model, differential oil works as manual transmission oil to lubricate differential. <Ref. to PM-23, Transmission Gear Oil.>

2. FRONT DIFFERENTIAL (AT MODEL)

- 1) Lift up the vehicle.
- 2) Remove the differential gear oil drain plug using TORX® bit T70, and drain the differential gear oil completely.

CAUTION:

- Immediately after the vehicle has been running, the differential gear oil is very hot. Be careful not to burn yourself.
 - Be careful not to spill differential gear oil on the exhaust pipe to prevent it from emitting smoke or causing a fire. If differential gear oil is spilled on the exhaust pipe, wipe it off completely.
- 3) Replace the gasket with a new part and tighten the differential gear oil drain plug using the TORX® bit T70.

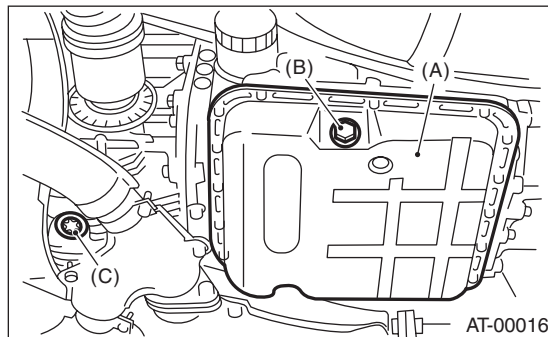
Tightening torque:

Aluminum gasket

44 N·m (4.5 kgf-m, 32.5 ft-lb)

Copper gasket

70 N·m (7.1 kgf-m, 51.6 ft-lb)



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

- 4) Lower the vehicle.
- 5) Pour differential gear oil from the gauge hole into the differential.

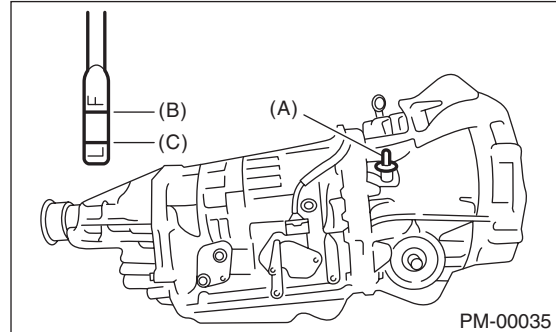
Recommended gear oil:

<Ref. to 4AT-3, SPECIFICATION, General Description.>

- 6) Check the level of differential gear oil.
<Ref. to 4AT-30, INSPECTION, Differential Gear Oil.>

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

3. REAR DIFFERENTIAL

- 1) Remove the drain plug, and drain the differential gear oil.
- 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.

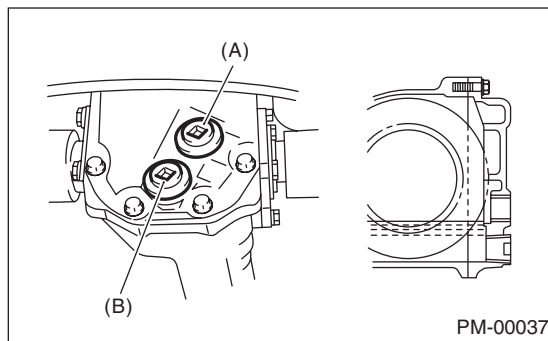
Liquid gasket:

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.

CAUTION:

If the gear oil spilled on the exhaust pipe, wipe it off completely.

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

NOTE:

Apply liquid gasket to the threads of the filler plug screws.

Liquid gasket:

THREE BOND 1105 (Part No. 004403010)

Tightening torque:

49.0 N·m (5.0 kgf-m, 36.2 ft-lb)