

Front & Rear Differential Gear Oil

PERIODIC MAINTENANCE SERVICES

16. 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. Refer to "Transmission Oil". <Ref. to PM-25, Transmission Gear Oil.>

2. FRONT DIFFERENTIAL (AT MODEL)

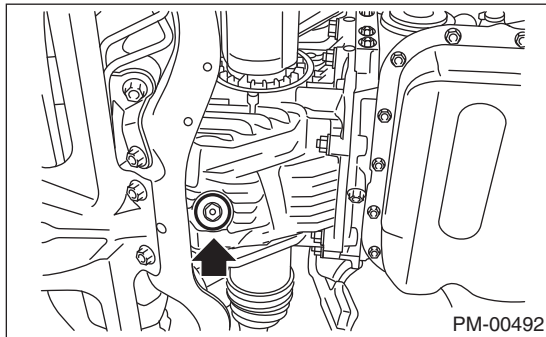
- 1) Lift up the vehicle.
- 2) Remove the drain plug using TORX® bit T70, and then drain differential gear oil.

CAUTION:

If any differential gear oil is spilt on the exhaust pipe, wipe it off with a cloth to avoid emitting smoke or causing a fire.

NOTE:

Before starting work, allow the differential gear oil to cool completely.



- 3) Replace the gasket with a new part and tighten the differential gear oil drain plug to the specified torque using the TORX® bit T70.

Tightening torque:

44 N·m (4.5 kgf-m, 32.5 ft-lb)

(Aluminum gasket)

70 N·m (7.1 kgf-m, 51.6 ft-lb) (Copper gasket)

- 4) Lower the vehicle.

- 5) Fill differential gear oil from the oil level gauge hole.

Recommended fluid:

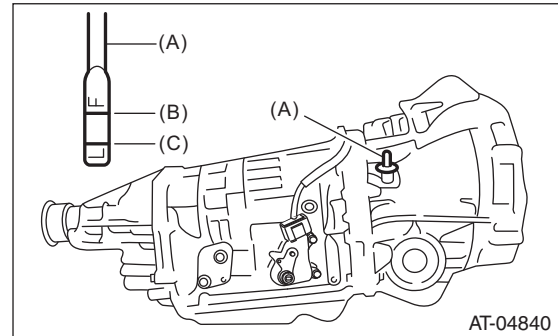
<Ref. to RM-2, LUBRICANTS, RECOMMENDED MATERIALS, Recommended Materials.>

NOTE:

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

Gear oil capacity:

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

- 6) Check the level of differential gear oil.

<Ref. to 4AT-28, INSPECTION, Differential Gear Oil.>

3. REAR DIFFERENTIAL

- 1) Remove the oil drain plug and drain the 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)

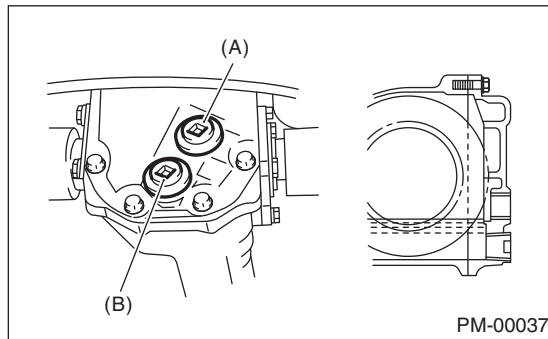
Tightening torque:

49 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.

Recommended gear oil:

GL-5 (75W-90) or equivalent



(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 any gear oil is spilt on the exhaust pipe, wipe it off with a clean cloth to avoid emitting smoke or causing a fire.

- 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 N·m (5.0 kgf-m, 36.2 ft-lb)