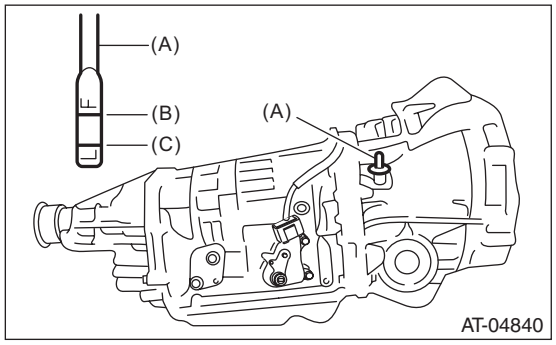
16. Front & Rear Differential Gear Oil

A: INSPECTION

1. FRONT DIFFERENTIAL (AT MODEL)

1) Park the vehicle on a level surface.
2) Remove the differential oil level gauge and wipe it clean.
3) Reinsert the level gauge all the way. Make sure the level gauge is inserted correctly and in the proper orientation.
4) Remove the oil level gauge again, and check the level of differential gear oil. If the differential gear oil level is below “L” line, add oil to bring the level up to “F” line.

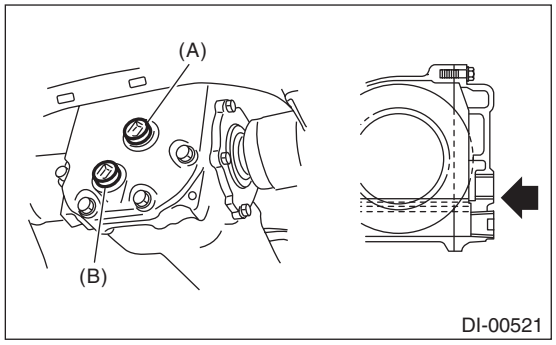
NOTE:
To prevent overfilling the differential gear oil, do not fill oil above the “F” line.



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

2. REAR DIFFERENTIAL

1) Remove the filler plug, and then check the gear oil. Replace the gear oil if it is contaminated or deteriorated.
2) Check that the gear oil level is up to the bottom of the filler plug hole. If the level is low, refill up to the bottom of filler plug.



(A) Filler plug
(B) Drain plug

B: REPLACEMENT

1. FRONT DIFFERENTIAL (MT MODEL)

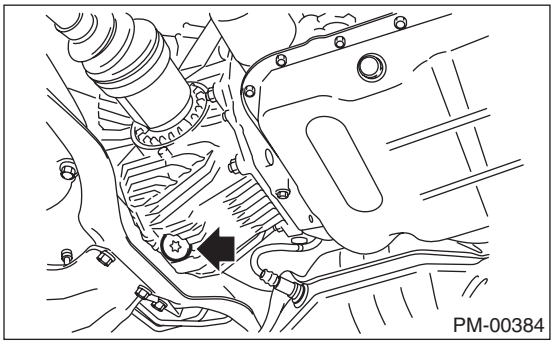
For MT model, differential oil is used as manual transmission oil for lubricating the differential. Refer to “Transmission Oil”. <Ref. to PM-20, Transmission Gear Oil.>

2. FRONT DIFFERENTIAL (AT MODEL)

1) Lift up the vehicle.
2) Drain the differential gear oil by removing drain plug using TORX® bit T70.

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

NOTE:
Before starting work, cool off the differential gear oil well.



3) Replace the gasket with a new part and tighten the differential 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 silver)
70 N·m (7.1 kgf-m, 51.6 ft-lb) (Copper gasket brown)
70 N·m (7.1 kgf-m, 51.6 ft-lb) (Metal gasket black)

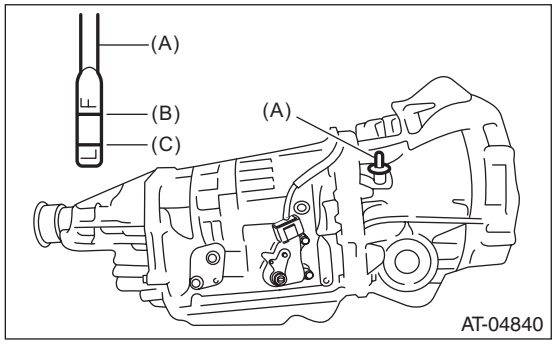
4) Lower the vehicle.

5) Fill differential gear oil through the oil level gauge hole.

Recommended fluid:
<Ref. to RM-2, LUBRICANT, 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) Drain the oil by removing oil drain plug.
2) Remove the filler plug for quick draining oil.
3) Install the drain plug after draining oil.

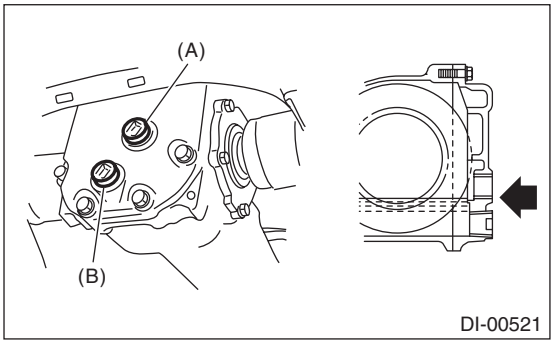
NOTE:
Apply liquid gasket to the drain plug threads.

Liquid gasket:
THREE BOND 1105 (Part No. 004403010) or equivalent

Tightening torque:
49 N·m (5.0 kgf-m, 36.2 ft-lb)

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

Recommended gear oil:
Refer to "RM" section. <Ref. to RM-2, LUBRICANT, RECOMMENDED MATERIALS, Recommended Materials.>



(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) Attach the filler plug to the rear differential case securely.

NOTE:
Apply liquid gasket to the filler plug threads.

Liquid gasket:
THREE BOND 1105 (Part No. 004403010) or equivalent

Tightening torque:
49 N·m (5.0 kgf-m, 36.2 ft-lb)