

Engine Oil

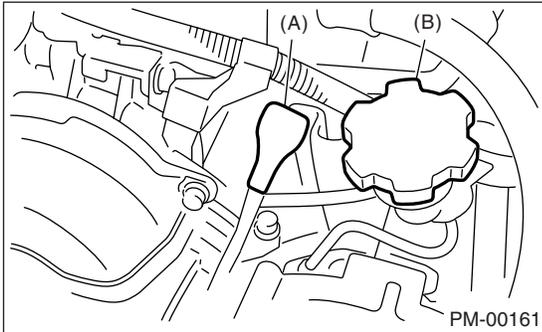
PERIODIC MAINTENANCE SERVICES

3. Engine Oil

A: REPLACEMENT

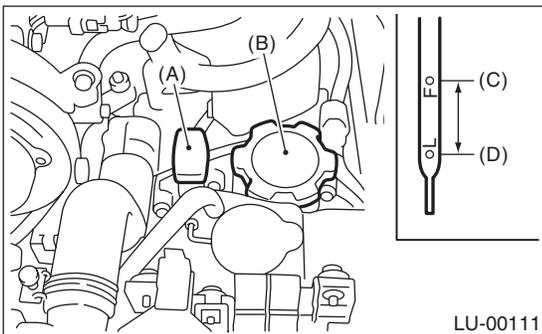
1) Open the engine oil filter cap for quick draining of engine oil.

- 2.5 L model



- (A) Oil level gauge
- (B) Oil filler cap

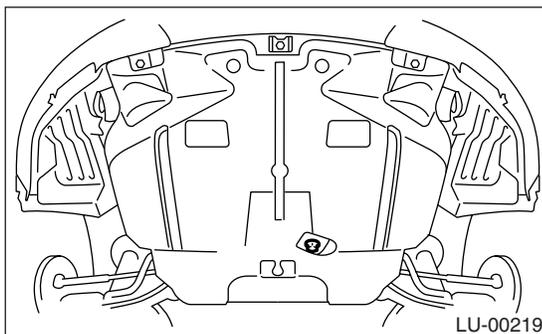
- 3.0 L model



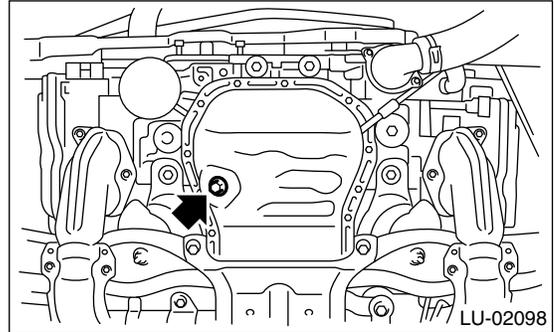
- (A) Oil level gauge
- (B) Oil filler cap
- (C) Upper level
- (D) Lower level

2) Drain the engine oil by removing engine oil drain plug.

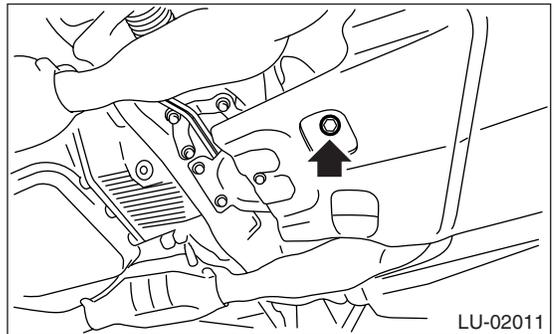
- 2.5 L turbo model



- 2.5 L non-turbo model



- 3.0 L model



3) Tighten the engine oil drain plug after draining engine oil.

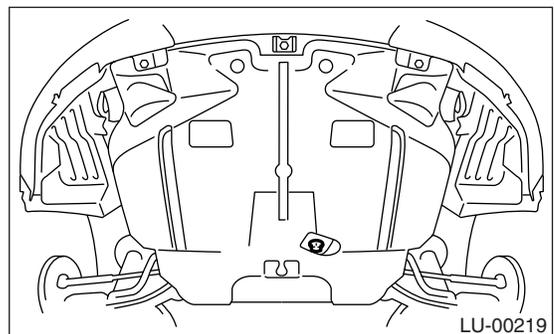
NOTE:

Use a new drain plug gasket.

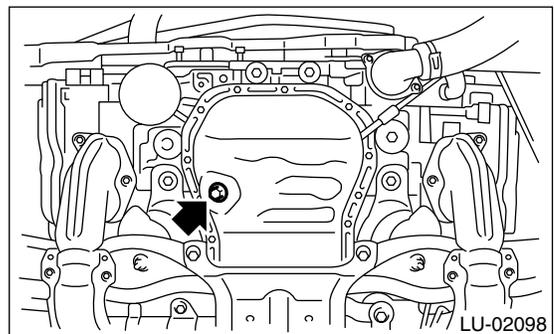
Tightening torque:

44 N·m (4.5 kgf·m, 33 ft·lb)

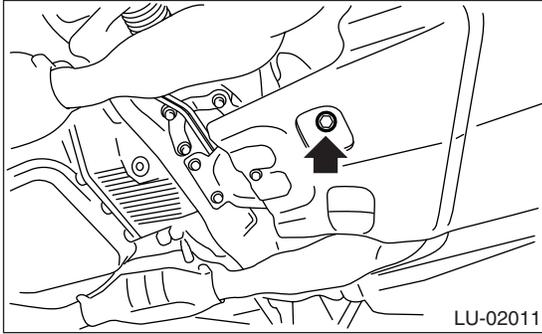
- 2.5 L turbo model



- 2.5 L non-turbo model



- 3.0 L model



4) Fill engine oil through level gauge up to the center between upper level and lower level. Place the vehicle on a level surface when checking oil level. Use engine oil of proper quality and viscosity, selected in accordance with following.

Recommended oil:

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

Engine oil capacity

2.5 L model

Upper level:

Approx. 4.0 ℓ (4.2 US qt, 3.5 Imp qt)

Lower level:

Approx. 3.0 ℓ (3.2 US qt, 2.6 Imp qt)

3.0 L model

Upper level:

Approx. 5.5 ℓ (5.8 US qt, 4.8 Imp qt)

Lower level:

Approx. 4.5 ℓ (4.8 US qt, 4.0 Imp qt)

The proper viscosity oil make the engine ideal temperature, and cranking speed increased by reducing viscous friction in hot condition.

CAUTION:

When replenishing oil, it does not matter if the oil to be added is a different brand from that in the engine; however, use oil having the API standard and SAE viscosity No. designated by SUBARU.

NOTE:

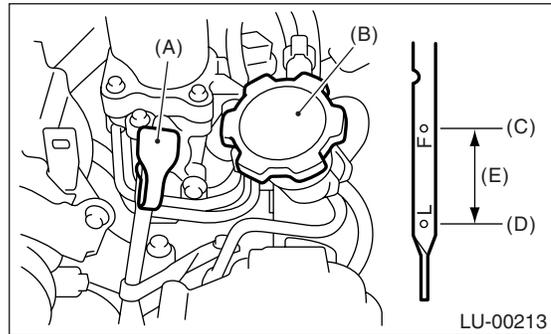
If the vehicle is used in areas with very high temperatures or for other heavy duty applications, use oil having the following viscosity: API standard: SL, SJ or SH
SAE Viscosity No.: 30, 40, 10W-50, 20W-40, 20W-50.

- 5) Close the engine oil filler cap.
- 6) Start the engine and warm it up for a time.
- 7) After the engine stops, recheck the oil level. <Ref. to PM-9, INSPECTION, Engine Oil.>

B: INSPECTION

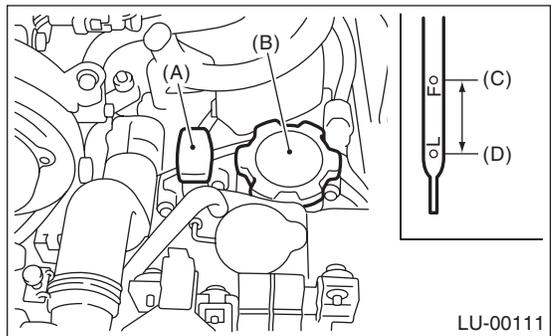
- 1) Park the vehicle on a level surface.
- 2) Remove the oil level gauge and wipe it clean.
- 3) Reinsert the level gauge all the way. Be sure that the level gauge is correctly inserted and in the proper orientation.
- 4) Remove it again and note the reading. If the engine oil level is below the “L” line, add oil to bring the level up to the “F” line.

- 2.5 L model



- (A) Oil level gauge
- (B) Oil filler cap
- (C) Upper level
- (D) Lower level
- (E) Approx. 1 ℓ (1.1 US qt, 0.9 Imp qt)

- 3.0 L model



- (A) Oil level gauge
- (B) Oil filler cap
- (C) Upper level
- (D) Lower level

- 5) After turning off the engine, wait a few minutes for the oil to drain back into the oil pan before checking the level.
- 6) Just after driving or while the engine is warm, engine oil level may show in the range between the “F” line and the notch mark. This is caused by thermal expansion of engine oil (2.5 L model).
- 7) To prevent overfilling the engine oil, do not add oil above the “F” line when the engine is cold.