

## 7. Engine Oil Filter

### A: REMOVAL

#### CAUTION:

If the engine oil is spilt over exhaust pipe or the under cover, wipe it off with cloth to avoid emitting smoke or causing a fire.

#### 1. OIL FILTER

- 1) Turn the ignition switch to OFF.
- 2) Remove the oil filter.

#### NOTE:

Clean off water or dust from the oil element mating surface using air.

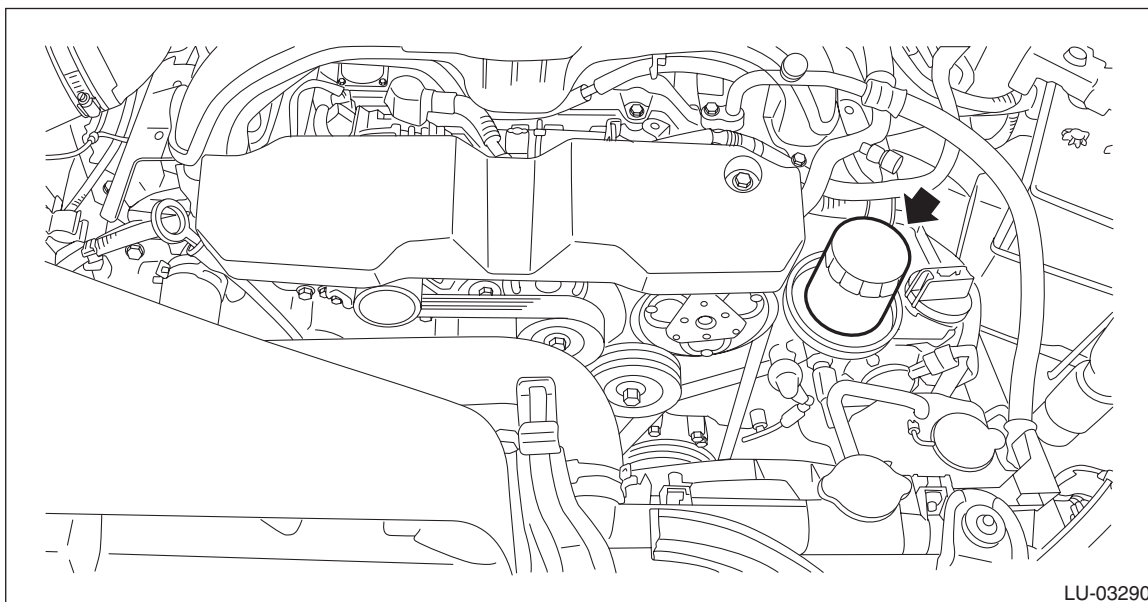
- Oil filter (black)

Remove the oil filter using ST.

ST 18332AA000 OIL FILTER WRENCH (outer diameter: 68 mm (2.68 in) for oil filter)

- Oil filter (blue)

Remove using a general tool (65/67 mm 14 Flutes).



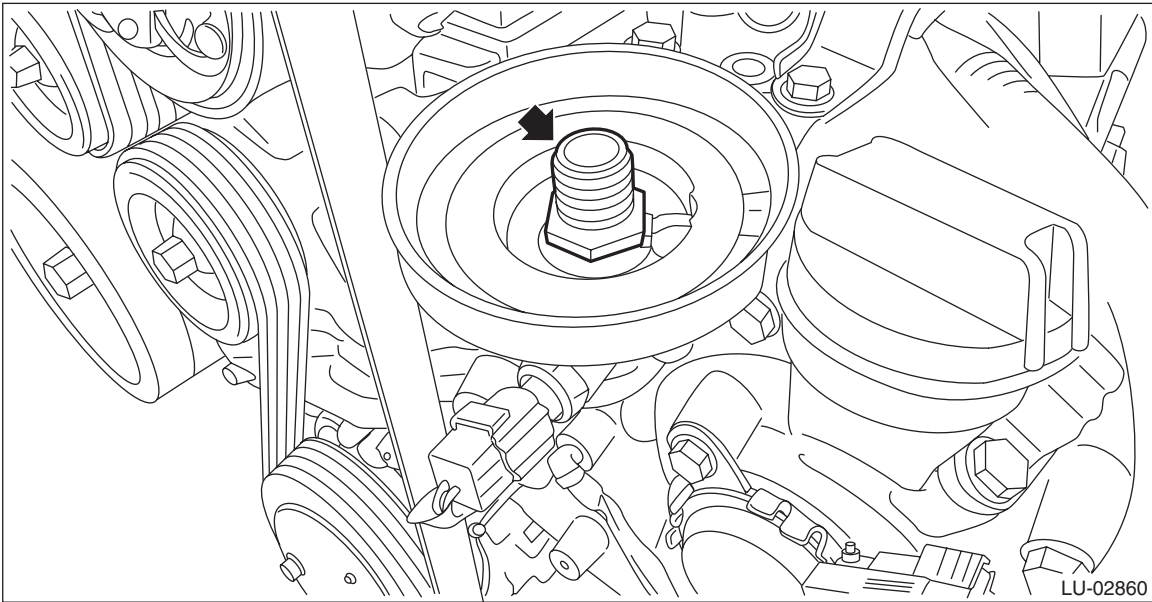
LU-03290

# Engine Oil Filter

## LUBRICATION

### 2. OIL PUMP UNION

- 1) Remove the oil filter. <Ref. to LU(H4DO(w/o HEV))-29, OIL FILTER, REMOVAL, Engine Oil Filter.>
- 2) Remove the oil pump union from the chain cover.



## B: INSTALLATION

### 1. OIL FILTER

#### CAUTION:

**Do not tighten excessively, or oil may leak.**

- 1) Clean the oil filter installing surface on the chain cover.
- 2) Obtain a new oil filter and apply a thin coat of engine oil to the seal rubber.
- 3) Install the oil filter by turning it by hand, being careful not to damage the seal rubber of the oil filter.
  - Tighten the oil filter (Black) with an outer diameter of 68 mm (2.68 in) (approx. 1 rotation) after the seal rubber of the oil filter comes in contact with chain cover. When using a torque wrench, tighten to 14 N·m (1.4 kgf·m, 10.3 ft·lb).
  - Tighten the oil filter (Blue) with an outer diameter of 67.4 mm (2.65 in) (approx. 7/8 rotation) after the seal rubber of the oil filter comes in contact with chain cover. When using a torque wrench, tighten to 12 N·m (1.2 kgf·m, 8.9 ft·lb).
- 4) After installing, check the engine oil level and replenish it if necessary. <Ref. to LU(H4DO(w/o HEV))-12, INSPECTION, Engine Oil.>

### 2. OIL PUMP UNION

Install in the reverse order of removal.

#### *Tightening torque:*

**45 N·m (4.6 kgf·m, 33.2 ft·lb)**

## C: INSPECTION

- 1) After installing the oil filter, run the engine and check for oil leakage.

#### NOTE:

The filter element and filter case are permanently jointed; therefore, interior cleaning is not necessary.

- 2) Check the engine oil level. <Ref. to LU(H4DO(w/o HEV))-12, INSPECTION, Engine Oil.>