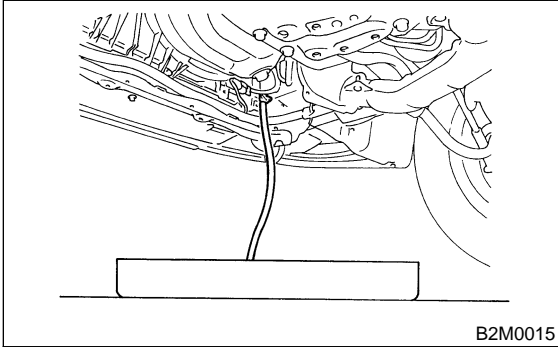


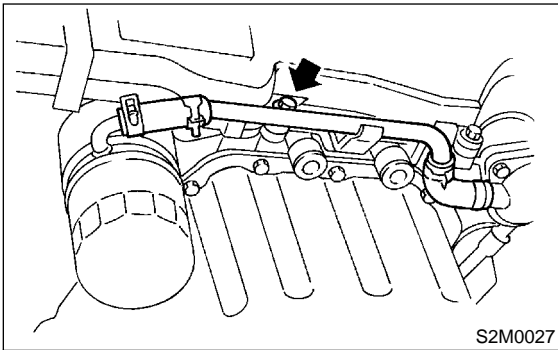
## 4. Oil Cooler (AT Vehicles Only)

### A: REMOVAL

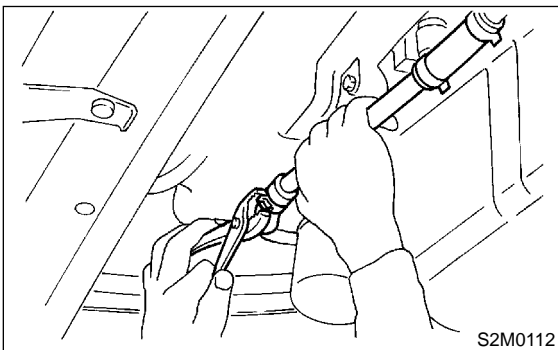
- 1) Lift-up the vehicle.
- 2) Remove under cover.
- 3) Drain engine coolant completely. <Ref. to 2-2 [W8A0].>



- 4) Remove bolt which installs water pipe to engine.



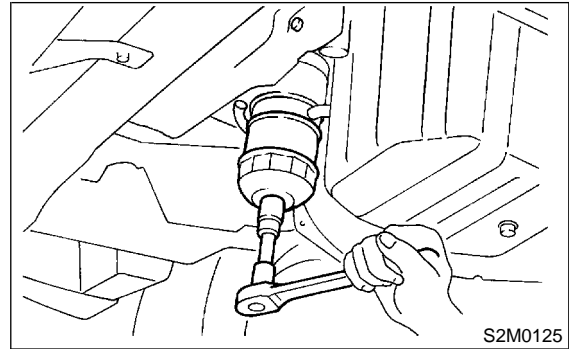
- 5) Disconnect water hose from oil cooler.



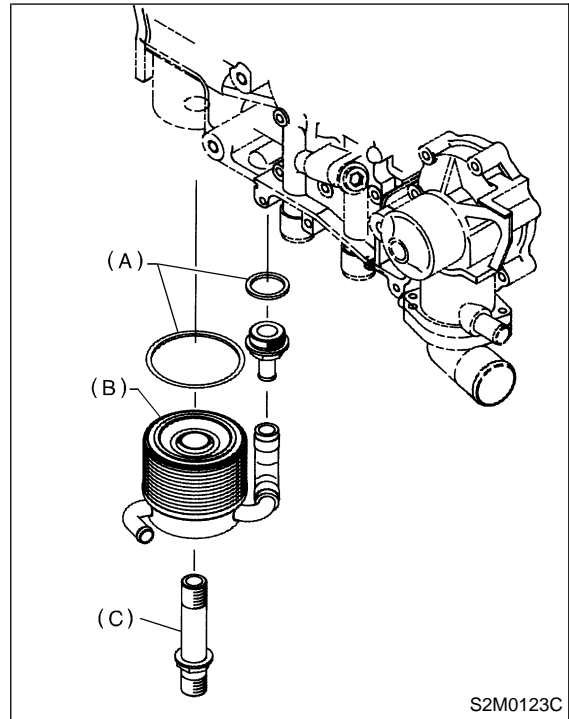
- 6) Remove oil filter using ST.  
ST 498547000 OIL FILTER WRENCH

#### NOTE:

Set container under the vehicle.



- 7) Remove connector and remove oil cooler.



- (A) Gasket
- (B) Oil cooler
- (C) Connector

### B: INSPECTION

- 1) Check that coolant passages are not clogged using air blow method.
- 2) Check mating surfaces of cylinder block, O-ring groove and oil filter for damage.

**C: INSTALLATION**

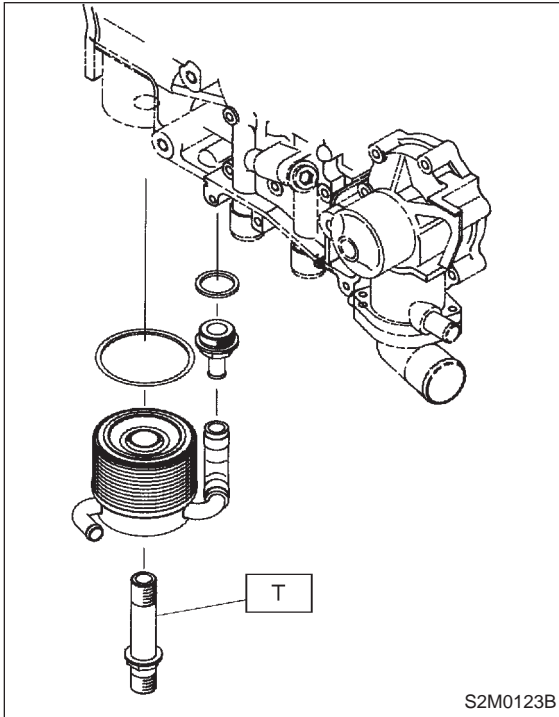
1) Install oil cooler on cylinder block with connector pipe.

**Tightening torque:**

**T:  $54\pm 5$  N-m ( $5.5\pm 0.5$  kg-m,  $39.8\pm 3.6$  ft-lb)**

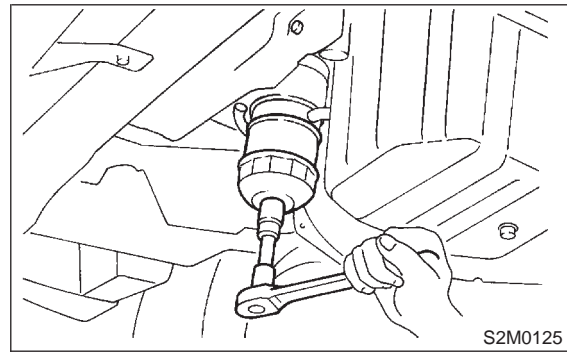
**CAUTION:**

**Always use a new O-ring.**

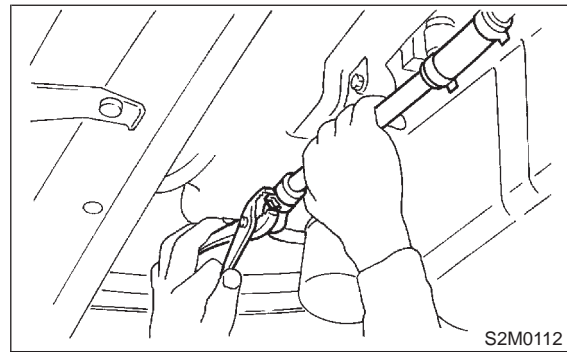


2) Install oil filter using ST.

ST 498547000 OIL FILTER WRENCH



3) Install water hose to oil cooler.



4) Check the amount of engine oil. If necessary, fill engine oil. <Ref. to 1-5 [G4A0].>

5) Fill engine coolant. <Ref. to 2-5 [W9B0].>