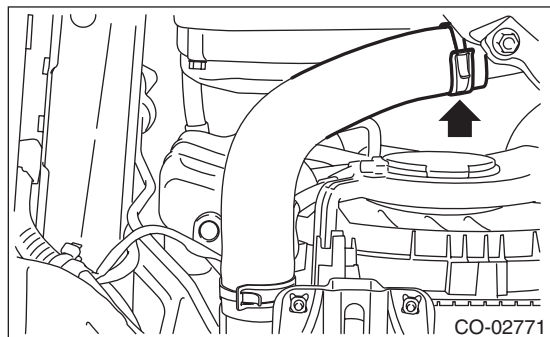


## 5. Thermostat

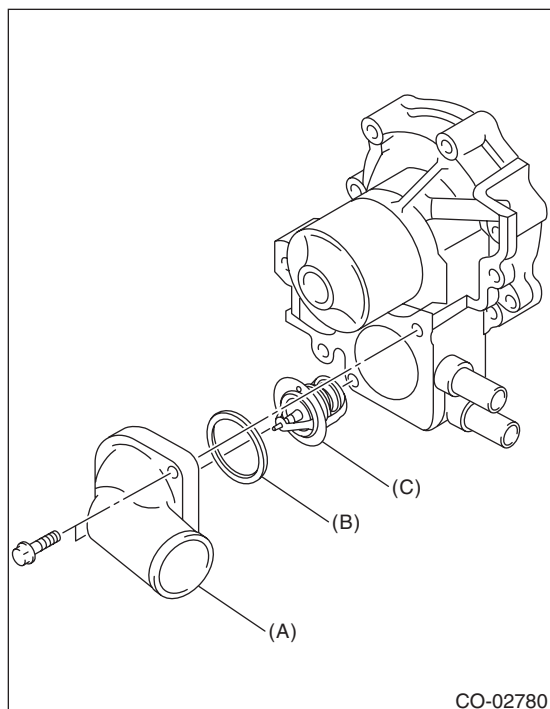
### A: REMOVAL

1) Drain engine coolant. <Ref. to CO(STI)-13, DRAINING OF ENGINE COOLANT, REPLACEMENT, Engine Coolant.>

2) Disconnect the radiator outlet hose from thermostat cover.



3) Remove the thermostat cover, and then remove the gasket and thermostat.



- (A) Thermostat cover
- (B) Gasket
- (C) Thermostat

### B: INSTALLATION

1) Install a gasket to thermostat.

NOTE:

Use a new gasket.

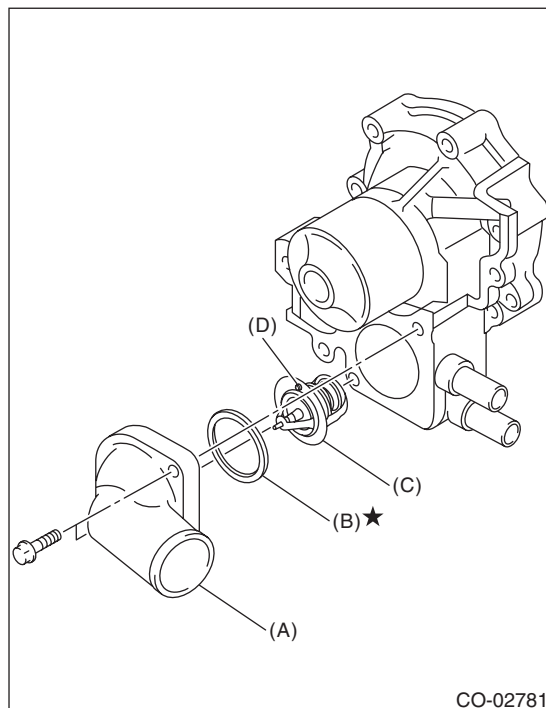
2) Install the thermostat and thermostat cover.

NOTE:

Install the parts with the jiggle pin facing upward.

**Tightening torque:**

**12 N·m (1.2 kgf-m, 8.9 ft-lb)**



- (A) Thermostat cover
- (B) Gasket
- (C) Thermostat
- (D) Jiggle pin

3) Connect the radiator outlet hose to thermostat cover.

4) Install the under cover. <Ref. to EI-22, INSTALLATION, Front Under Cover.>

5) Lower the vehicle.

6) Fill engine coolant. <Ref. to CO(STI)-13, FILLING OF ENGINE COOLANT, REPLACEMENT, Engine Coolant.>

### C: INSPECTION

- 1) Check that the thermostat does not have deformation, cracks or damage.
- 2) Check that the thermostat valve closes completely at an ambient temperature.
- 3) Immerse the thermostat and a thermometer in water. Raise water temperature gradually, and check the temperature and valve lift when the valve begins to open and when the valve is fully opened. Replace the thermostat if faulty.

#### NOTE:

- During the test, agitate the water for even temperature distribution.
- Leave the thermostat in the boiling water for five minutes or more before measuring the valve lift.
- Hold the thermostat with a wire or the like to avoid contacting the container.

#### **Starting temperature to open:**

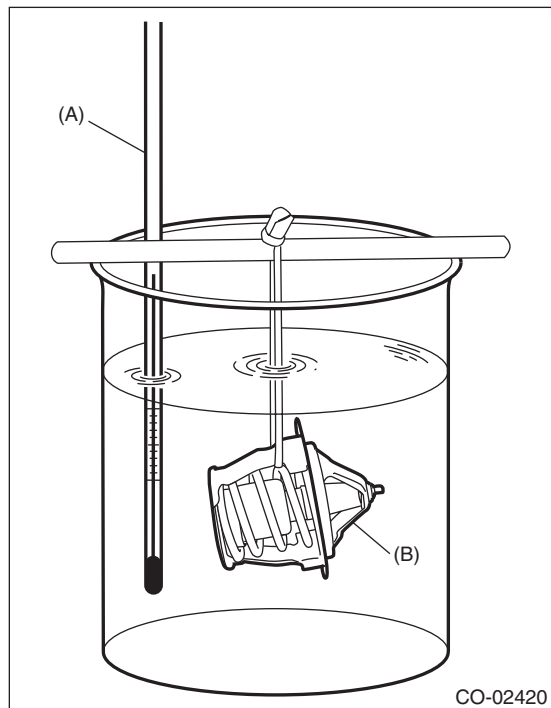
**76 — 80°C (169 — 176°F)**

#### **Full open temperature:**

**91°C (196°F)**

#### **Total valve lift:**

**9.0 mm (0.354 in) or more**



(A) Thermometer

(B) Thermostat