

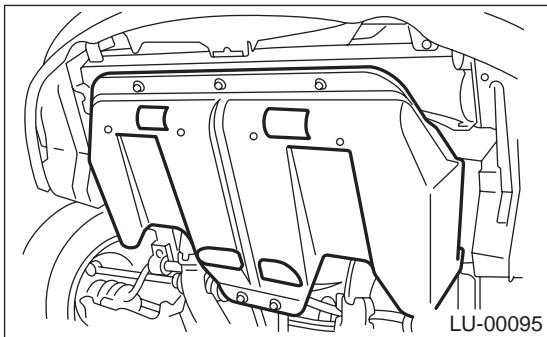
## THERMOSTAT

COOLING

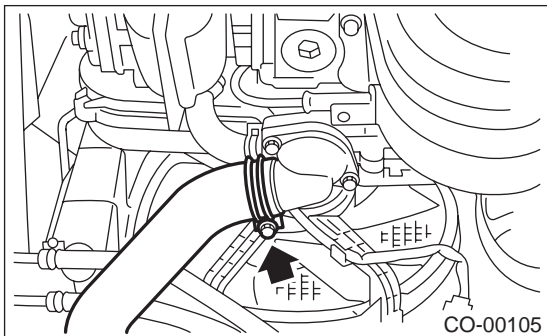
### 6. Thermostat

#### A: REMOVAL

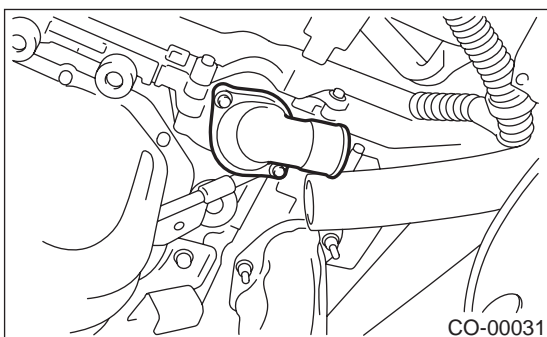
- 1) Lift-up the vehicle.
- 2) Remove under cover.



- 3) Drain engine coolant completely. <Ref. to CO(H4SO)-14, DRAINING OF ENGINE COOLANT, REPLACEMENT, Engine Coolant.>
- 4) Disconnect radiator outlet hose from thermostat cover.



- 5) Remove thermostat cover and gasket, and pull out the thermostat.



#### B: INSTALLATION

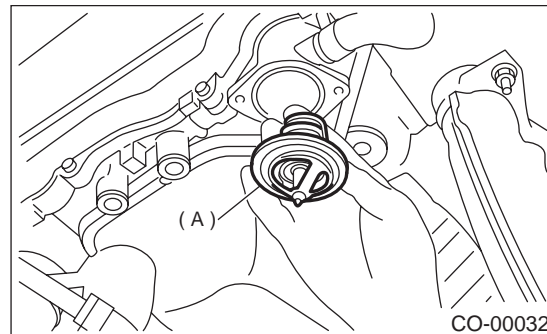
- 1) Install the thermostat in the water pump, and install the thermostat cover together with a gasket.

#### NOTE:

- Replace gasket with a new one.
- Thermostat must be installed with jiggle pin (A) facing the front side.

#### Tightening torque:

**6.5 N·m (0.66 kgf-m, 4.8 ft-lb)**



- 2) Fill coolant. <Ref. to CO(H4SO)-14, FILLING OF ENGINE COOLANT, REPLACEMENT, Engine Coolant.>

#### C: INSPECTION

Replace the thermostat if the valve does not close completely at an ambient temperature or if the following test shows unsatisfactory results. Immerse the thermostat and a thermometer in water. Raise water temperature gradually, and measure the temperature and valve lift when the valve begins to open and when the valve is fully opened. During the test, agitate the water for even temperature distribution. If the measured temperature is within the specified range, the condition of thermostat is normal.

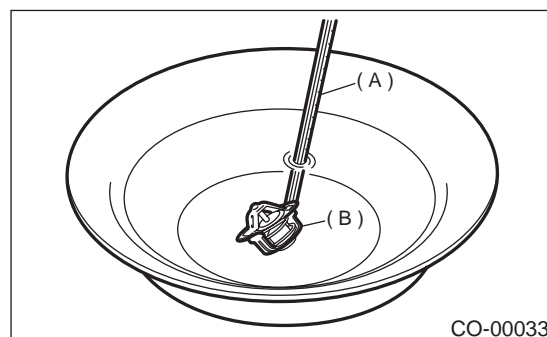
#### Specified value:

##### Starts to open:

**76.0 — 80.0°C (169 — 176°F)**

##### Fully opens:

**91°C (196°F)**



- (A) Thermometer  
(B) Thermostat