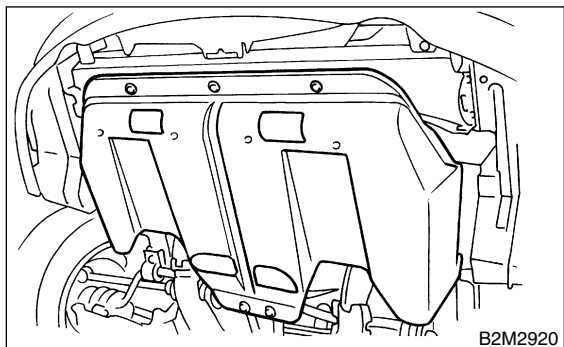


## 6. Thermostat S176062

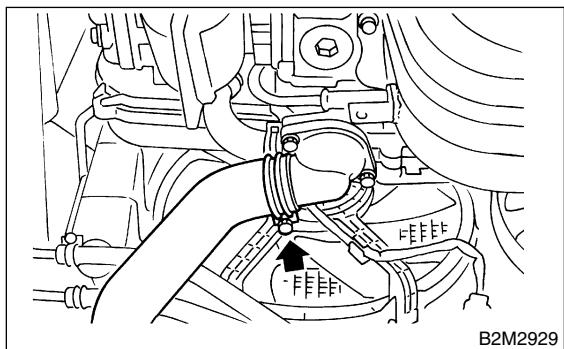
### A: REMOVAL S176062A18

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

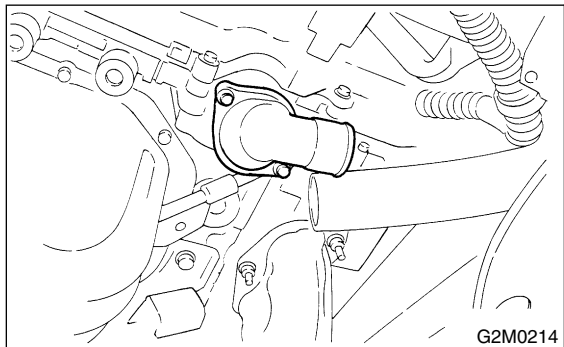


- 3) Drain engine coolant completely. <Ref. to CO-12, DRAINING OF ENGINE COOLANT, REPLACEMENT, Engine Coolant.>

- 4) Disconnect radiator outlet hose from thermostat cover.



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



### B: INSTALLATION S176062A11

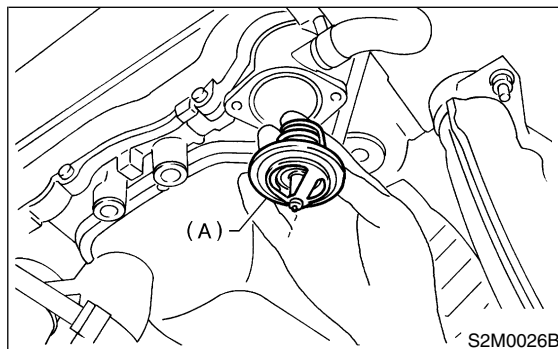
- 1) Install the thermostat in the water pump, and install the thermostat cover together with a gasket.

#### CAUTION:

- When reinstalling the thermostat, use a new gasket.
- Thermostat must be installed with jiggle pin (A) facing the front side.
- At this time, set the jiggle pin of thermostat for front side.

#### Tightening torque:

**6.4 N·m (0.65 kgf·m, 4.7 ft·lb)**



- 2) Fill coolant. <Ref. to CO-12, FILLING OF ENGINE COOLANT, REPLACEMENT, Engine Coolant.>

## C: INSPECTION S176062A10

Replace the thermostat if the valve does not close completely at an ambient temperature or if the following test shows unsatisfactory results.

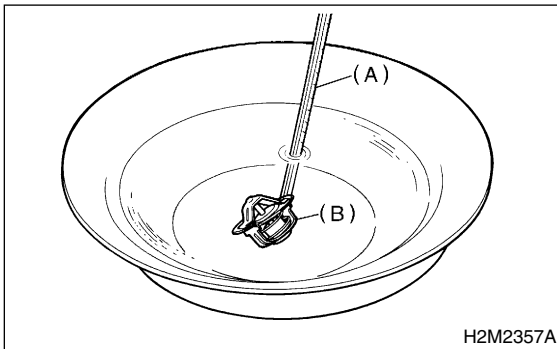
Immerse the thermostat and a thermometer in water. Raise water temperature gradually, and measure the temperature and valve lift when the valve begins to open and when the valve is fully opened. During the test, agitate the water for even temperature distribution. The measurement should be within the specifications.

**Starts to open:**

**76.0 — 80.0°C (169 — 176°F)**

**Fully opens:**

**91°C (196°F)**



- (A) Thermometer
- (B) Thermostat