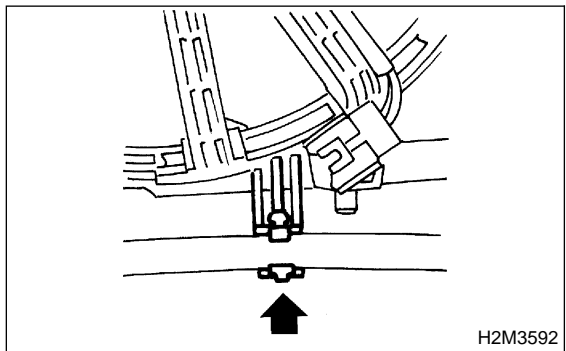
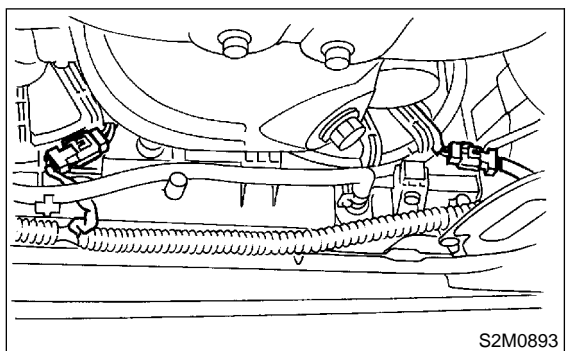


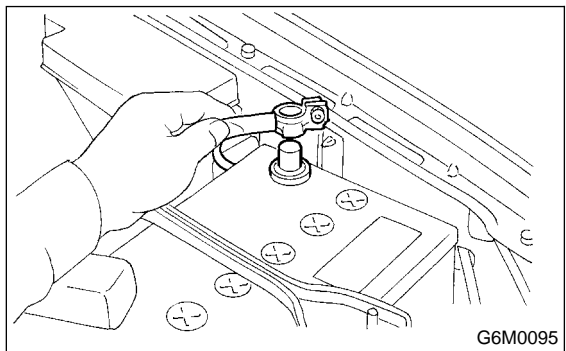
17) Attach ATF cooler hose to a clip under the radiator main fan shroud. (AT vehicles only)



18) Connect connectors to radiator main fan and sub fan motors.



19) Install under cover.
20) Lower the vehicle.
21) Connect battery ground cable.



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

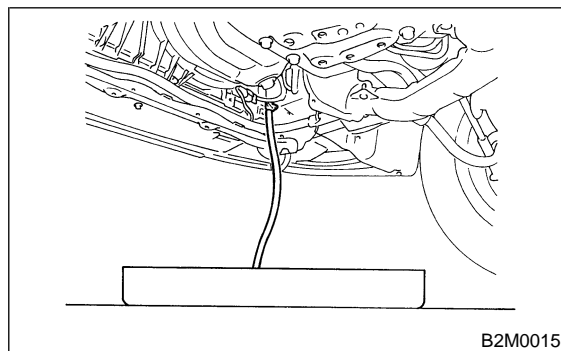
2. Thermostat

A: REMOVAL AND INSTALLATION

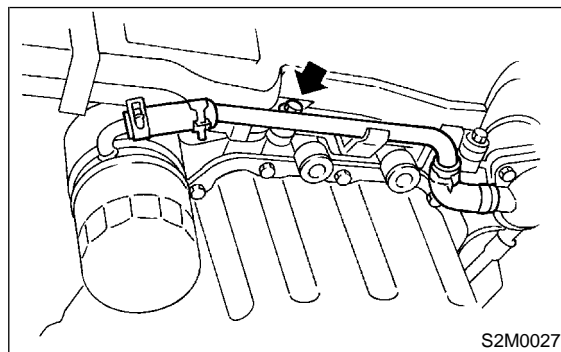
WARNING:

The radiator is pressurized. Wait until engine cools down before working on the radiator.

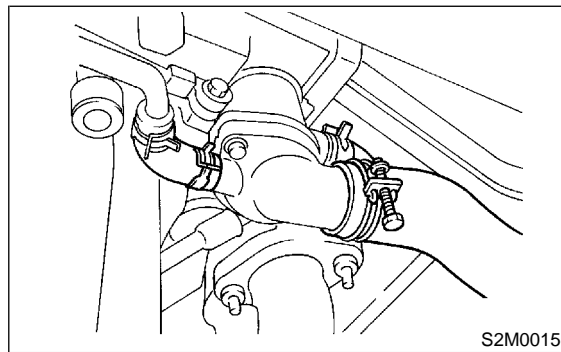
- 1) Lift-up the vehicle.
- 2) Remove under cover.
- 3) Drain engine coolant completely. <Ref. to 2-5 [W9A0].>



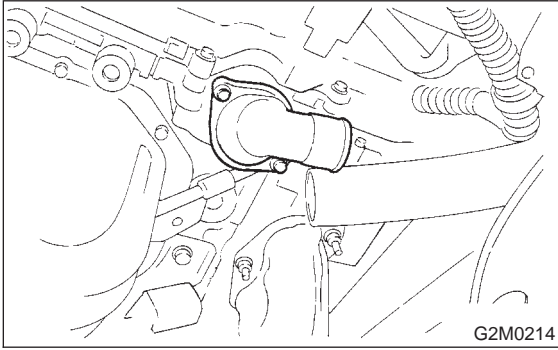
4) Remove bolt which installs water by-pass pipe of oil cooler onto oil pump. (AT vehicles only)



5) Disconnect radiator outlet hose and water by-pass hose B (AT vehicles) from thermostat cover.



6) Remove thermostat cover and gasket, and pull out the thermostat.



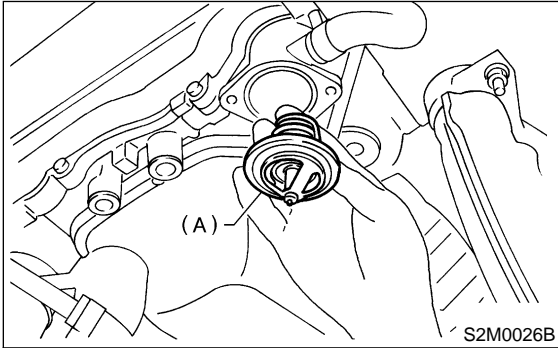
7) Install the thermostat in the water pump, and install the thermostat cover together with a gasket.

CAUTION:

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

Tightening torque:

$6.4 \pm 0.5 \text{ N}\cdot\text{m}$ ($0.65 \pm 0.05 \text{ kg}\cdot\text{m}$, $4.7 \pm 0.4 \text{ ft}\cdot\text{lb}$)



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

B: INSPECTION

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

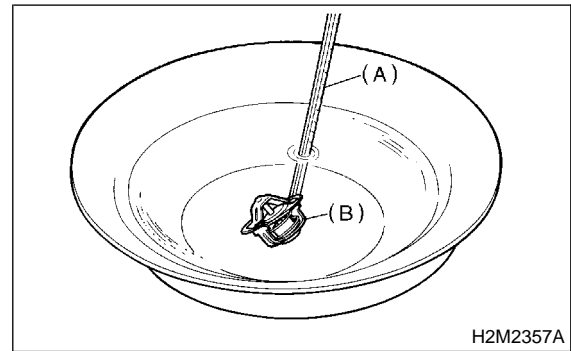
Immerse the thermostat and a thermometer in water. Raise water temperature gradually, and measure the temperature and valve lift when the valve begins to open and when the valve is fully opened. During the test, agitate the water for even temperature distribution. The measurement should be to the specification.

Starts to open:

$76.0 - 80.0^\circ\text{C}$ ($169 - 176^\circ\text{F}$)

Fully opens:

91°C (196°F)



- (A) Thermometer
(B) Thermostat