

**B: INSPECTION**

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

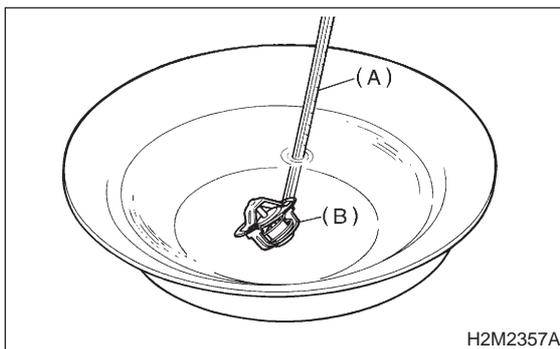
Immerse the thermostat and a thermometer in water. Raise water temperature gradually, and measure the temperature and valve lift when the valve begins to open and when the valve is fully opened. During the test, agitate the water for even temperature distribution. The measurement should be to the specification.

**Starts to open:**

**76.0 — 80.0°C (169 — 176°F)**

**Fully opens:**

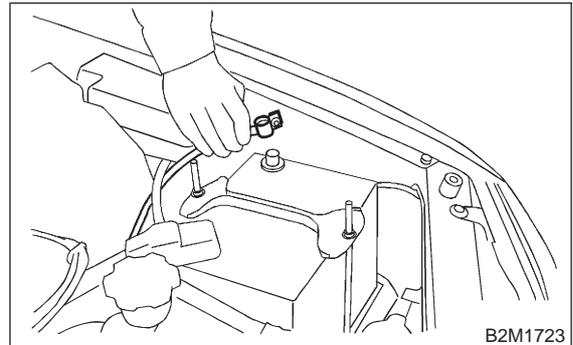
**91°C (196°F)**



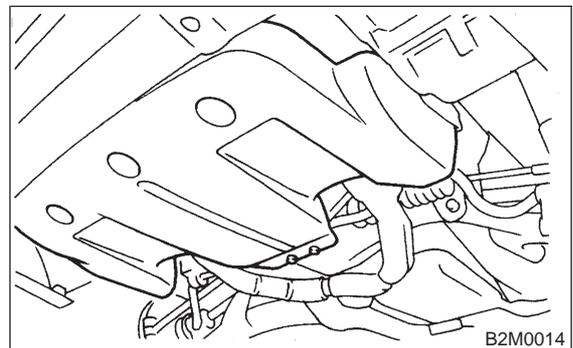
- (A) Thermometer  
(B) Thermostat

**4. Radiator****A: REMOVAL**

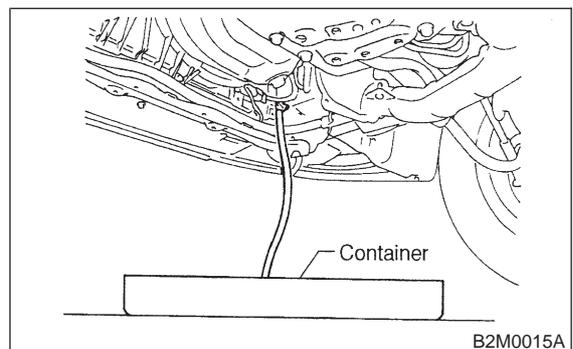
- 1) Disconnect battery ground cable.



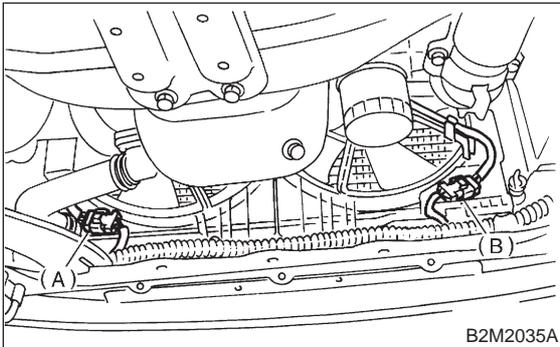
- 2) Lift-up the vehicle.  
3) Remove under cover.



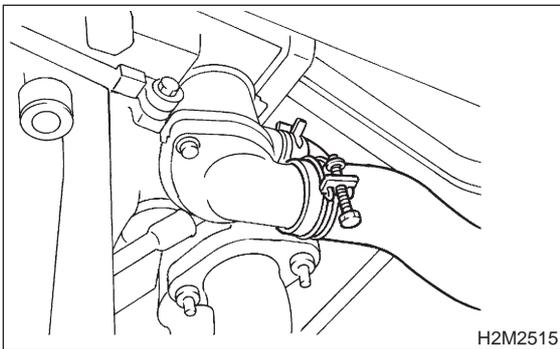
- 4) Drain engine coolant completely. <Ref. to 2-5 [W1A0].>



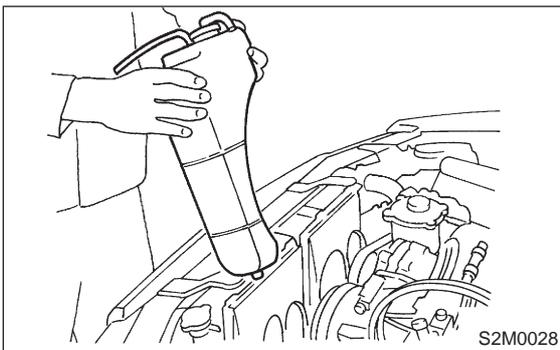
- 5) Disconnect connectors of radiator main fan (A) and sub fan (B) motors.



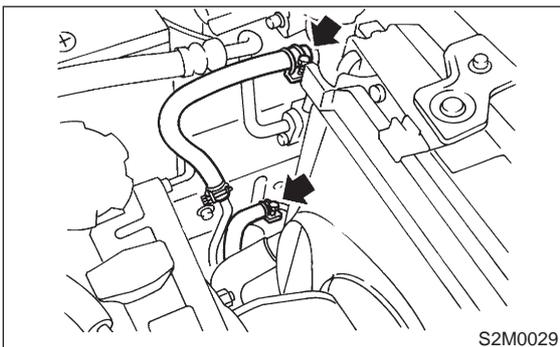
- 6) Disconnect radiator outlet hose from thermostat cover.



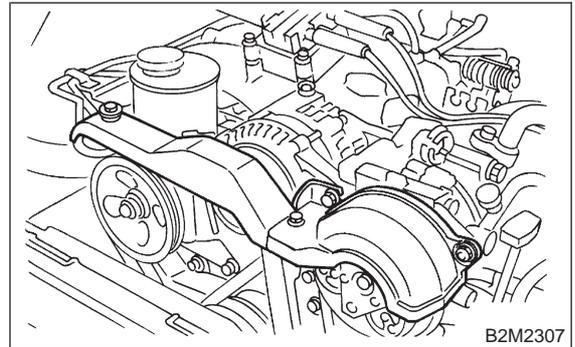
- 7) Lower the vehicle.  
8) Remove reservoir tank.



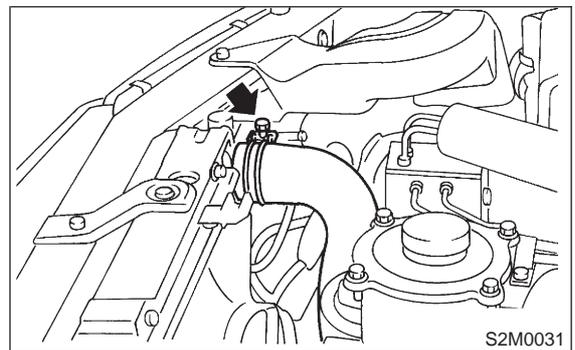
- 9) Disconnect ATF cooler hoses from radiator. (AT vehicles only)



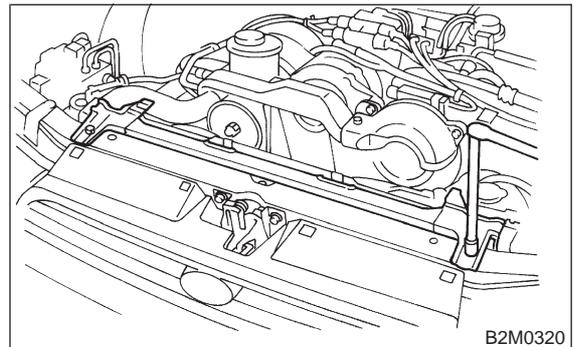
- 10) Remove V-belt covers.



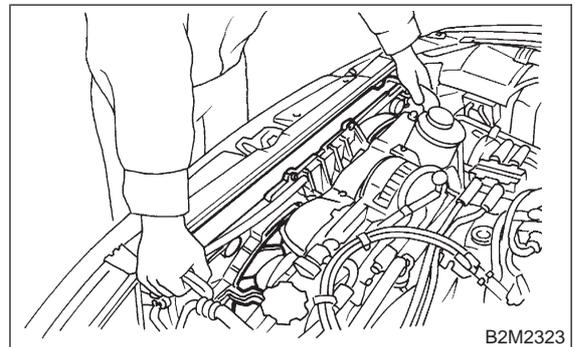
- 11) Disconnect radiator inlet hose from radiator.



- 12) Remove radiator upper brackets.

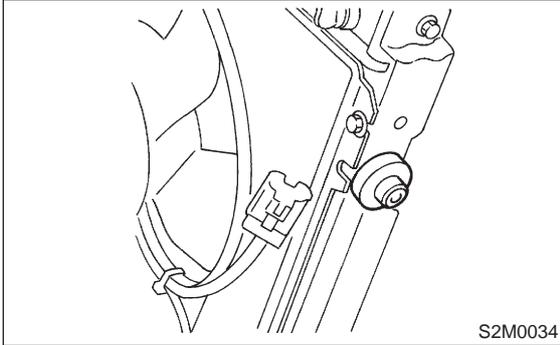


- 13) While slightly lifting radiator, slide it to left.  
14) Lift radiator up and away from vehicle.



**B: INSTALLATION**

1) Attach radiator mounting cushions to pins on the lower side of radiator.

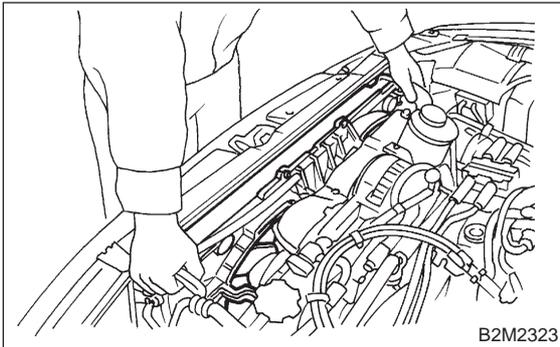


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2) Install radiator while fitting radiator pins to cushions.

**NOTE:**

Fit cushion on lower side of radiator into holes on body side.

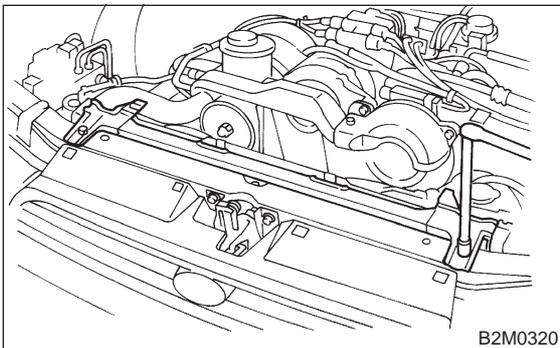


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3) Install radiator brackets and tighten bolts.

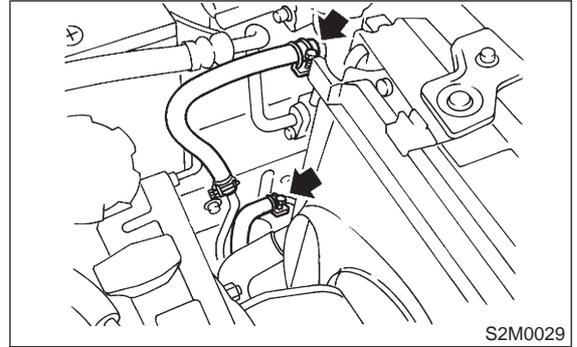
**Tightening torque:**

**18±5 N·m (1.8±0.5 kg·m, 13.0±3.6 ft·lb)**



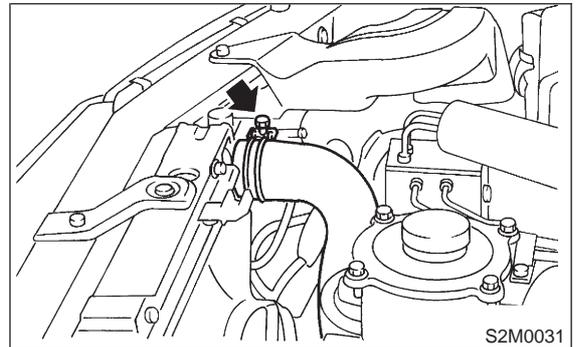
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4) Connect ATF cooler hoses. (AT vehicles only)



S2M0029

5) Connect radiator inlet hose.

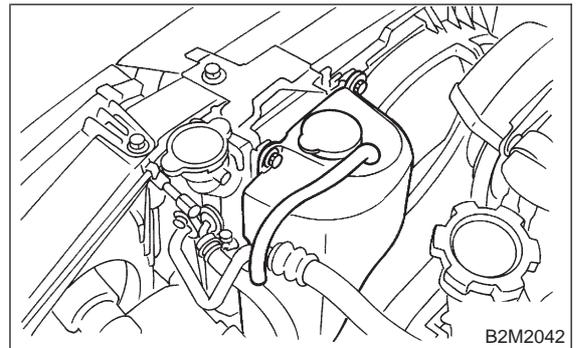


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6) Install reservoir tank.

**Tightening torque:**

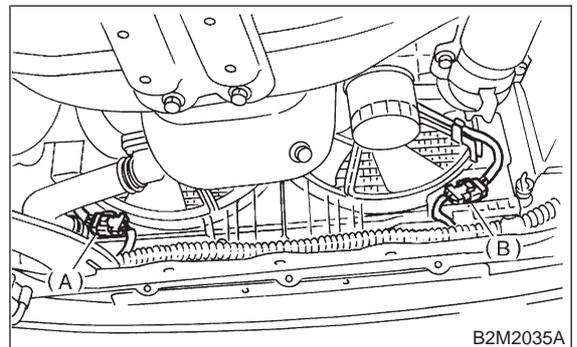
**7.4±2.0 N·m (0.75±0.20 kg·m, 5.4±1.4 ft·lb)**



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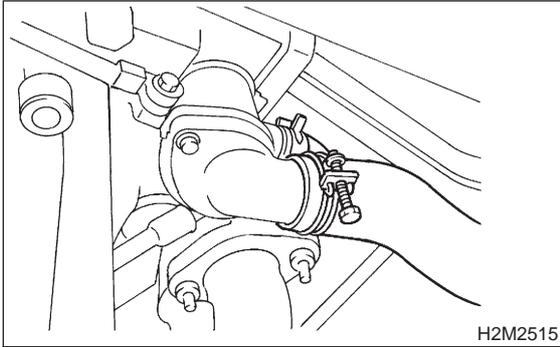
7) Lift-up the vehicle.

8) Connect connectors to radiator main fan (A) and sub fan (B) motors.

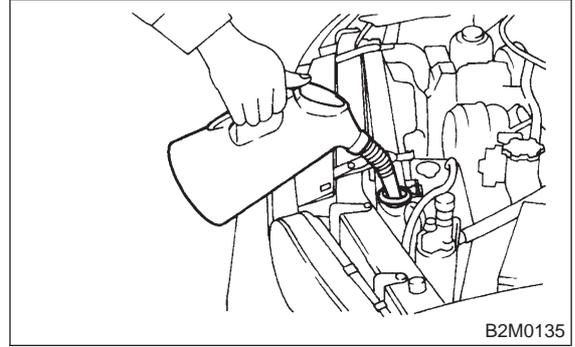


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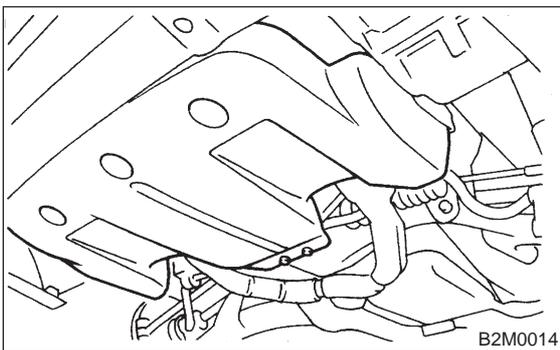
9) Connect radiator outlet hose.



14) Fill coolant. <Ref. to 2-5 [W1B0].>

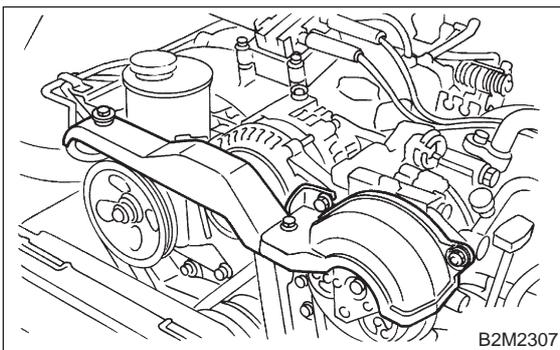


10) Install under cover.



11) Lower the vehicle.

12) Install V-belt covers.



13) Connect battery ground cable.

