

B: INSPECTION

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

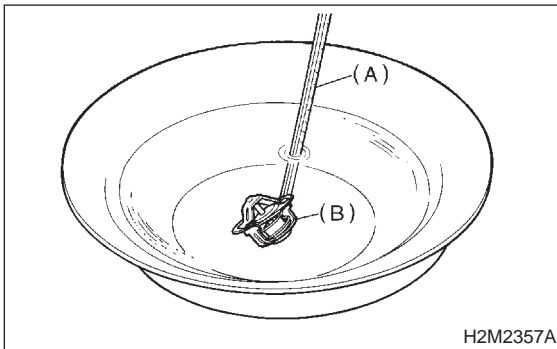
Immerse the thermostat and a thermometer in water. Raise water temperature gradually, and measure the temperature and valve lift when the valve begins to open and when the valve is fully opened. During the test, agitate the water for even temperature distribution. The measurement should be to the specification.

Starts to open:

76.0 — 80.0°C (169 — 176°F)

Fully opens:

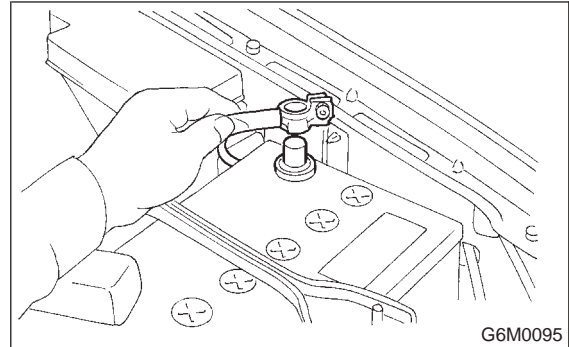
91°C (196°F)



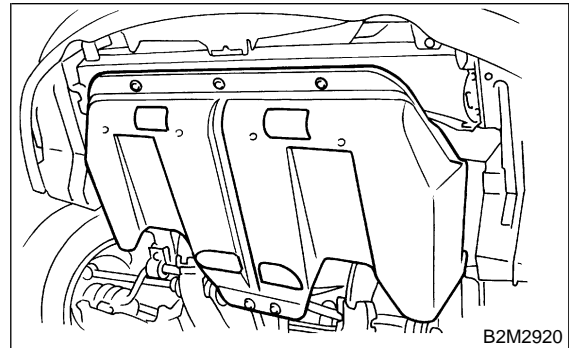
- (A) Thermometer
- (B) Thermostat

3. Radiator**A: REMOVAL**

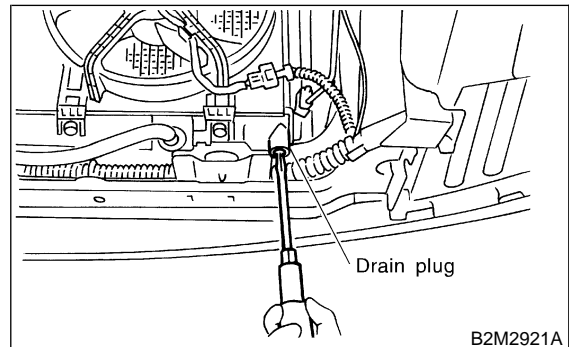
- 1) Disconnect battery ground cable.



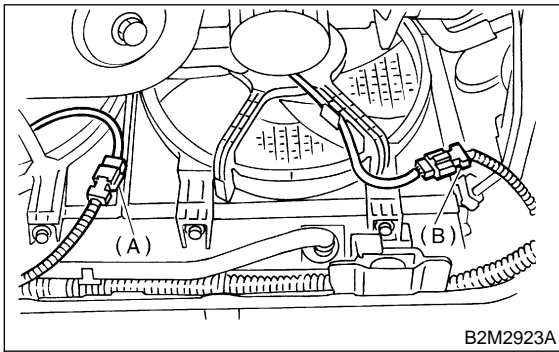
- 2) Lift-up the vehicle.
- 3) Remove under cover.



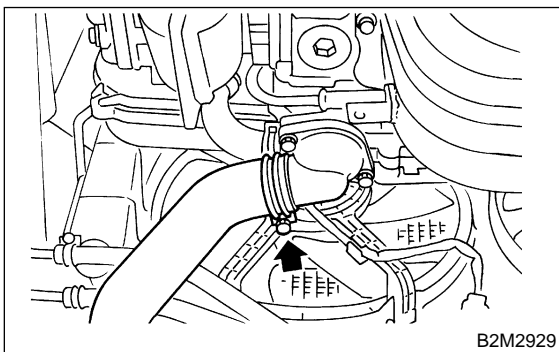
- 4) Drain engine coolant completely. <Ref. to 2-5 [W9A0].>



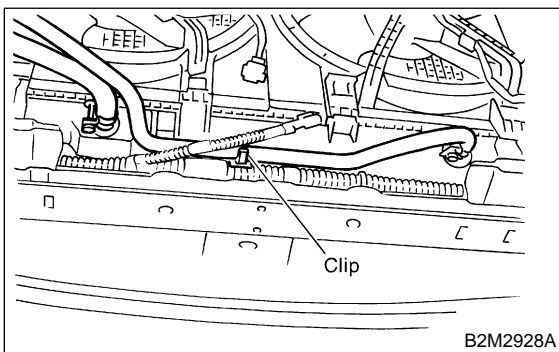
- 5) Disconnect connectors of radiator main fan (A) and sub fan (B) motor.



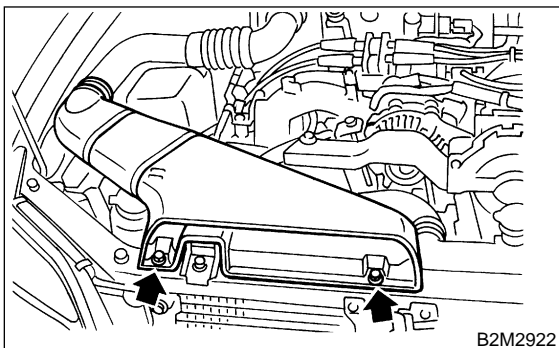
- 6) Disconnect radiator outlet hose from thermostat cover.



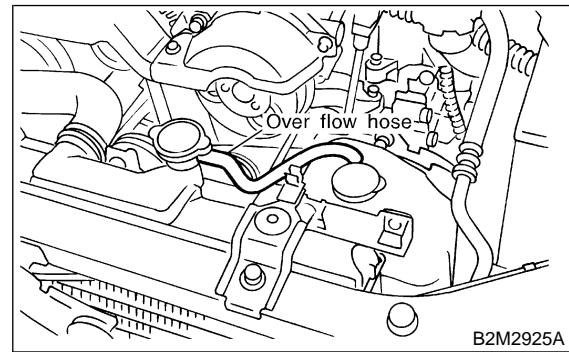
- 7) Disconnect ATF cooler hoses from radiator. (AT vehicles only)



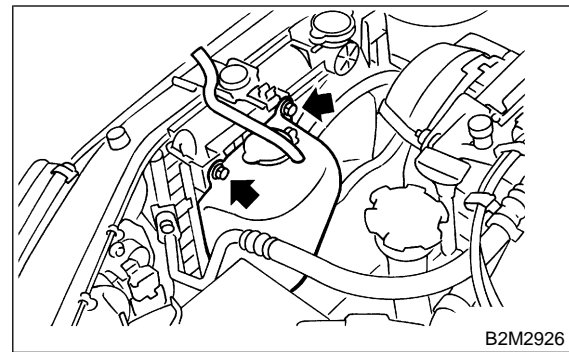
- 8) Lower the vehicle.
9) Remove air intake duct.



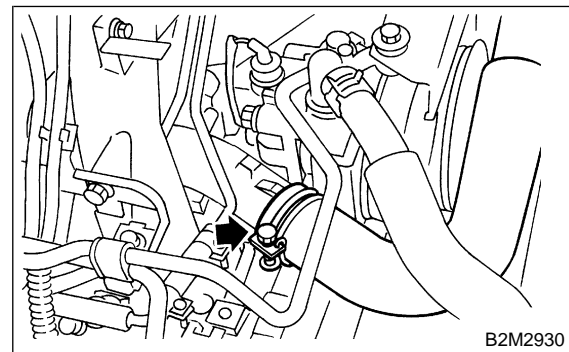
- 10) Disconnect over flow hose.



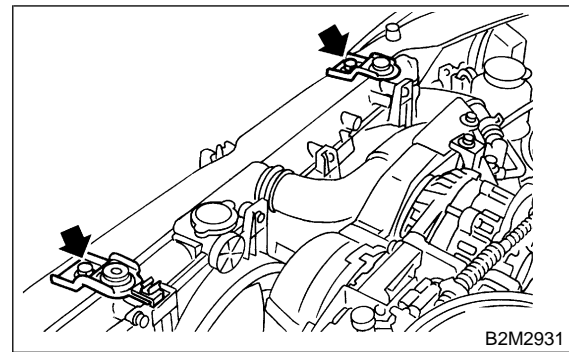
- 11) Remove reservoir tank.



- 12) Disconnect radiator inlet hose from engine.

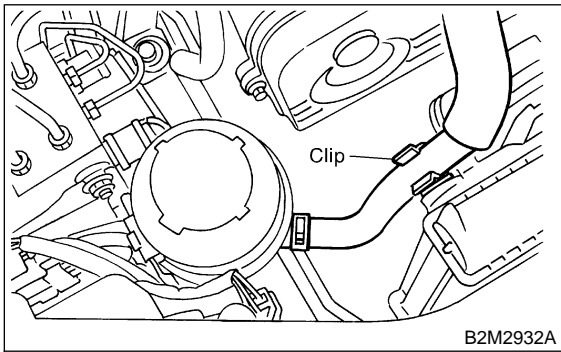


- 13) Remove radiator upper brackets.

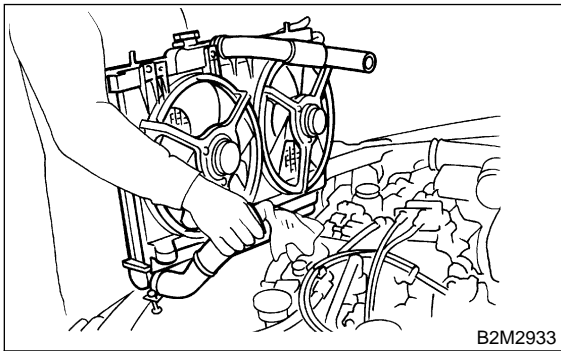


3. Radiator

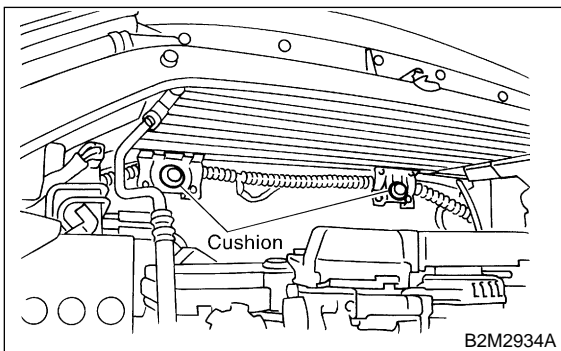
- 14) Detach power steering hose from the clip on the radiator.



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

**B: INSTALLATION**

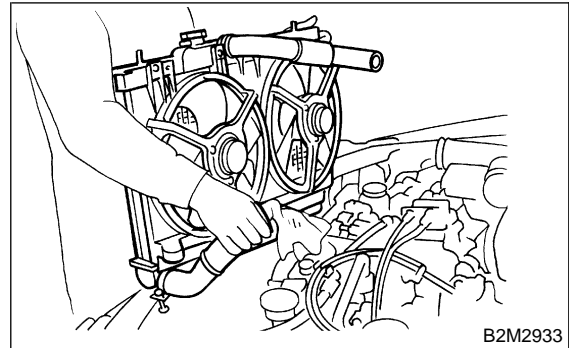
- 1) Attach radiator mounting cushions to holes on the vehicle.



- 2) Install radiator while fitting radiator pins to cushions.

NOTE:

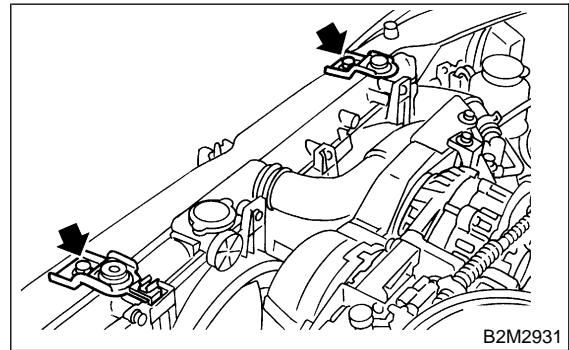
Fit pins on lower side of radiator into cushions on body side.



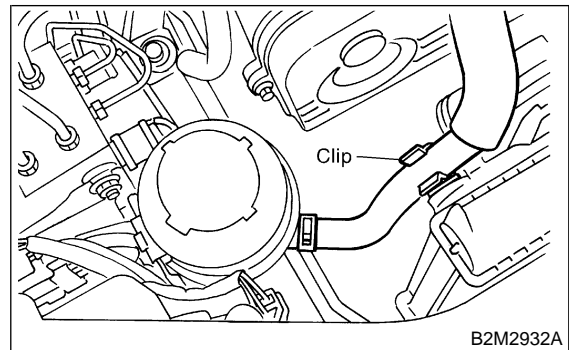
- 3) Install radiator brackets and tighten bolts.

Tightening torque:

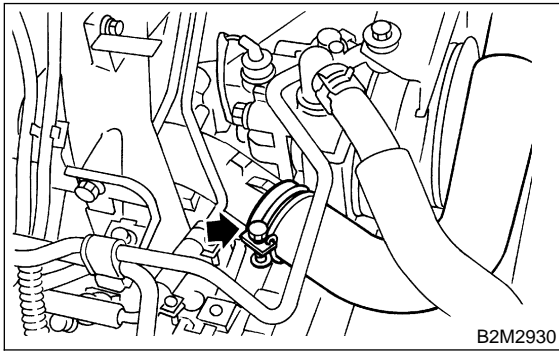
$18 \pm 5 \text{ N}\cdot\text{m}$ ($1.8 \pm 0.5 \text{ kg}\cdot\text{m}$, $13.0 \pm 3.6 \text{ ft}\cdot\text{lb}$)



- 4) Attach power steering hose to the radiator.



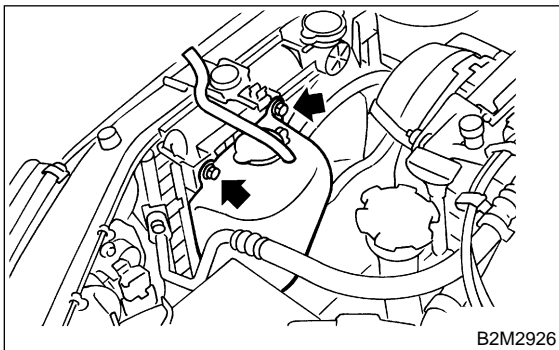
- 5) Connect radiator inlet hose.



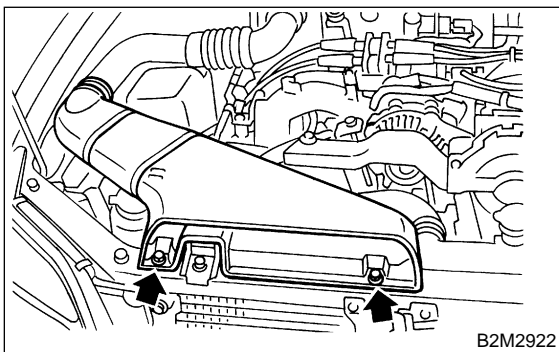
- 6) Install reservoir tank.

Tightening torque:

$4.9 \pm 1.5 \text{ N}\cdot\text{m}$ ($0.50 \pm 0.15 \text{ kg}\cdot\text{m}$, $3.6 \pm 1.1 \text{ ft}\cdot\text{lb}$)

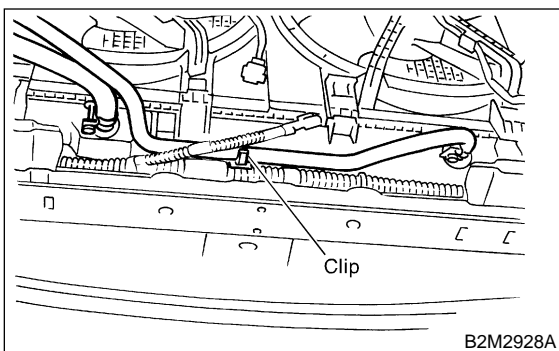


- 7) Install air intake duct.

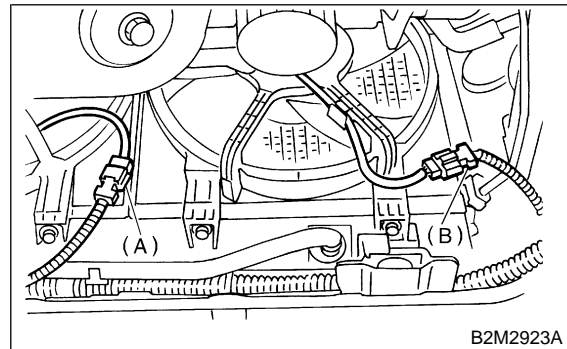


- 8) Lift-up the vehicle.

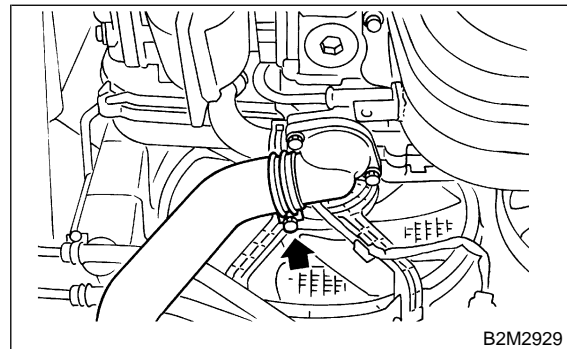
- 9) Connect ATF cooler hoses. (AT vehicles only)



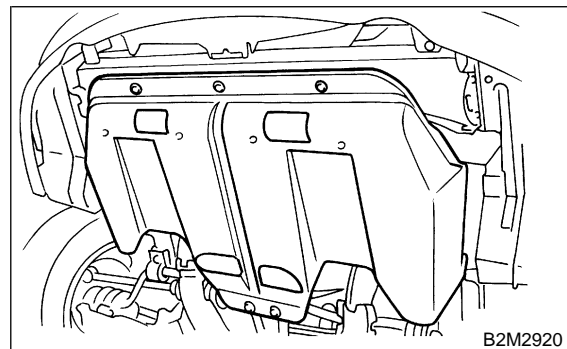
- 10) Connect connectors to radiator main fan motor and sub fan motor.



- 11) Connect radiator outlet hose.

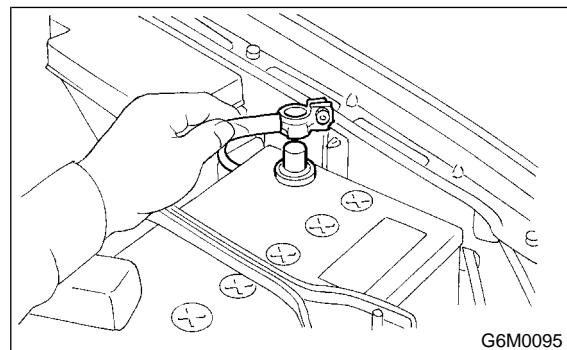


- 12) Install under cover.



- 13) Lower the vehicle.

- 14) Connect battery ground cable.



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

- 16) Check ATF level. <Ref. to 3-2 [W1B1].>