SYSTEM TESTING

RADIATOR CAP/SYSTEM PRESSURE INSPECTION

Remove the front hood (page 2-9).

Remove the radiator cap [1].

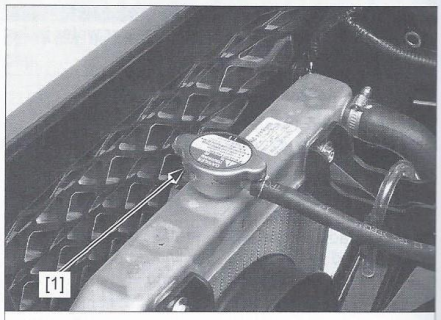
Wet the sealing surfaces of the cap, then install the cap onto tester [2].

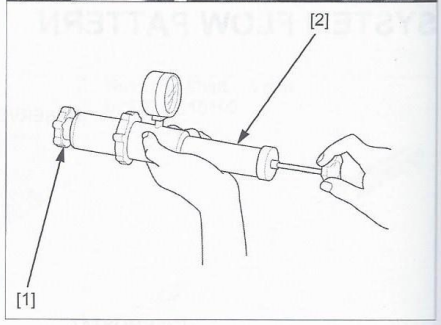
TOOLS:
Cooling system pressure tester SVTS4AH
Cooling system adaptor OTCJ33984A

Pressurize the radiator cap using the tester.
Replace the radiator cap if it does not hold pressure, or if relief pressure is too high or too low. It must hold the specified pressure for at least 6 seconds.

RADIATOR CAP RELIEF PRESSURE:
108 – 137 kPa (1.1 – 1.4 kgf/cm², 16 – 20 psi)

Pressurize the radiator, engine and hoses using the tester [2] and check for leaks.





NOTICE

Excessive pressure can damage the cooling system components. Do not exceed 137 kPa (1.4 kgf/cm², 20 psi).

Repair or replace components if the system will not hold the specified pressure for at least 6 seconds.

Remove the tester and install the radiator cap.

Install the front hood (page 2-9).

COOLANT REPLACEMENT

REPLACEMENT/AIR BLEEDING

- When filling the system with coolant, place the vehicle on level ground.

The engine must be cool before servicing the cooling system.

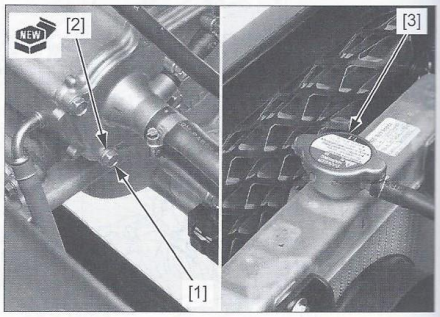
Remove the following:

– front hood (page 2-9)
– seat bottom covers (page 2-7)
– middle skid plate (page 2-20)

Place a funnel under the water pump to catch coolant in a container.

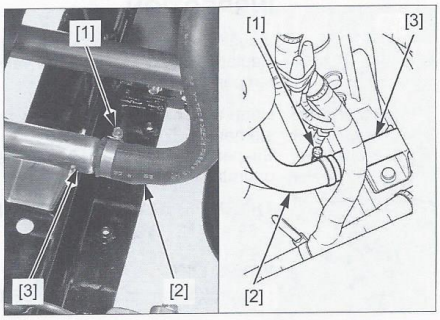
Drain the coolant from the system by removing the drain bolt [1] and sealing washer [2] on the water pump, and by removing the radiator cap [3].

Reinstall the drain bolt with a new sealing washer securely.



Loosen the band screws [1] and disconnect the water hoses [2] from the water pipes [3], then drain the coolant from the hoses and pipes.

After the coolant is drained completely, connect the hoses and tighten the band screws as specified (page 8-6).



Remove the reserve tank [1] and tank cap [2], then drain the tank.

Rinse the inside of the reserve tank with water.

Reinstall the reserve tank.

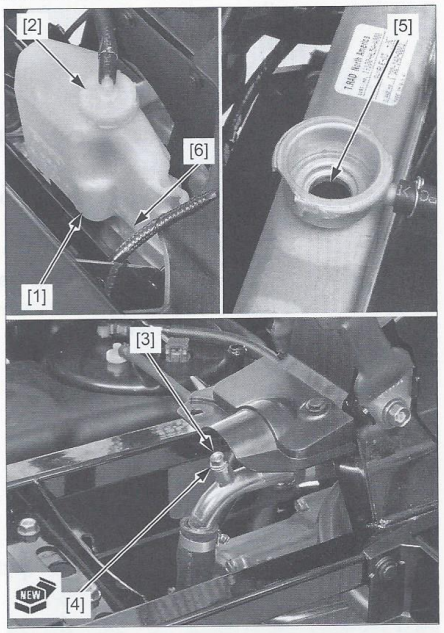
Remove the bleed bolt [3] and sealing washer [4], then loosely install the bolt with a new sealing washer.

Place the shop towels around the bleed bolt.
Fill the system with the recommended coolant up to the filler neck [5]. Tighten the bleed bolt as soon as coolant starts to run out in a steady stream without bubbles.

Bleed air from the system as follows:
1. Shift the transmission into neutral.
   Start the engine and let it idle for 2 – 3 minutes.
2. Snap the accelerator pedal 3 – 4 times to bleed air from the system.
3. Stop the engine and add coolant up to the filler neck.
4. Install the radiator cap.

Fill the reserve tank to the upper level line [6] and install the tank cap.

Install the removed parts in the reverse order of removal.



THERMOSTAT

REMOVAL/INSTALLATION

Drain the coolant from the system (page 8-4).
Remove the seat under heat protector (page 2-8).

Remove the bolts [1], thermostat cover [2] and thermostat [3].

Make sure the rubber seal [4] on the thermostat is in good condition.

Installation is in the reverse order of removal.

- Apply coolant to the rubber seal.
- Install the thermostat into the housing with the bleed hole [5] facing inboard.

Fill and bleed the cooling system (page 8-4).