INSPECTION (Continued)

Pressure Check

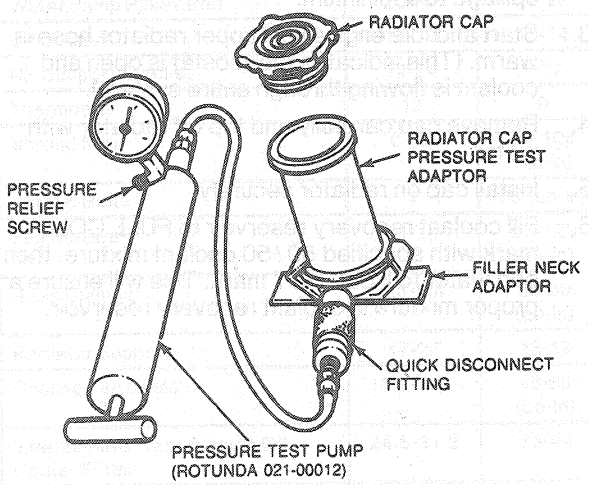
Tools Required:

- Rotunda Radiator / Heater Core Pressure Tester 021-00012

WARNING: NEVER REMOVE THE RADIATOR PRESSURE CAP UNDER ANY CONDITIONS WHILE THE ENGINE IS OPERATING. FAILURE TO FOLLOW THESE INSTRUCTIONS COULD RESULT IN DAMAGE TO THE COOLING SYSTEM OR ENGINE AND / OR PERSONAL INJURY. TO AVOID HAVING SCALDING HOT COOLANT OR STEAM BLOW OUT OF THE RADIATOR, USE EXTREME CARE WHEN REMOVING THE CAP FROM A HOT RADIATOR. WAIT UNTIL THE ENGINE HAS COOLED, THEN WRAP A THICK CLOTH AROUND THE RADIATOR PRESSURE CAP AND TURN IT SLOWLY TO THE FIRST STOP. STEP BACK WHILE THE PRESSURE IS RELEASED FROM THE COOLING SYSTEM. WHEN CERTAIN ALL THE PRESSURE HAS BEEN RELEASED, PRESS DOWN ON THE CAP (STILL WITH A CLOTH), TURN AND REMOVE.

1. Remove radiator pressure cap from radiator filler neck.
2. Use water to clean cap in area of rubber seal and vacuum relief valve. Immerse radiator cap in water and install radiator cap pressure test adapter from Rotunda Radiator / Heater Core Pressure Tester 021-00012 or equivalent.

   NOTE: The filler neck seal is reversible so it may be used on either end of radiator cap pressure test adapter.
3. Immerse filler neck seal in water and install in filler neck adapter. Then, install filler neck adapter with seal on open end of radiator cap pressure test adapter.



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4. Connect female quick disconnect fitting of pressure test pump to male quick disconnect fitting of filler neck adapter.

   NOTE: If plunger of pump is depressed too fast, an erroneous pressure reading will result.
5. SLOWLY depress plunger of pressure test pump until pressure gauge reading stops increasing and note highest pressure reading obtained.
6. Release pressure by turning pressure relief screw counterclockwise. Then, tighten pressure relief screw and repeat Step 5 (at least twice) to ensure pressure test reading is repeatable within acceptable gauge reading limits of radiator pressure cap and is not erratic. Refer to Specifications.
7. If pressure test gauge readings are not within acceptable gauge reading limits, replace radiator pressure cap.

Cooling System Hoses and Clamps Check

1. Inspect cooling system hoses and clamped hose connections for leaks and / or excessive deterioration. Service or replace as required.
2. Inspect radiator core and tanks for leaks. Service or replace as required.
3. Inspect cooling system hose routing to ensure sufficient clearance to engine compartment components. Reposition hoses if required.
4. Check radiator supports and brackets for firm radiator assembly retention. Correct as required. The radiator is installed with rubber isolation mounts.

Coolant Level Maintenance

Check coolant level in the coolant recovery reservoir at least once a month.

With cold engine, the level must be maintained at or above the FULL COLD mark. At normal engine operating temperature, the coolant level should be at the FULL HOT mark. If coolant level in the reservoir is below specified levels, a 50 / 50 mixture of Premium Cooling System Fluid E2FZ-19549-AA (ESE-M97B44-A and ESE-M97B43-A) (in Canada, Motorcraft CXC-8-B coolant) or equivalent and water should be added to the reservoir to the specified levels.

If the reservoir is low, add the specified 50 / 50 coolant mixture to the recovery reservoir. Check the coolant level again after one or two occasions of vehicle use.

Coolant Condition Check

Remove radiator pressure cap following outlined precautions. Check coolant for dirty or rusty appearance.

If coolant is not dirty or rusty in appearance, check level and concentration as outlined in the following procedures.

If coolant is dirty or rusty in appearance, proceed to the cooling system drain, flush and refill procedures.