How Do I Change Coolant? – 2.2 L RCL

DRAINING COOLING SYSTEM

The radiator contains a coolant drain valve to drain the cooling system. When draining the coolant, remove the radiator's pressure cap, which will allow the entire system to drain and will prevent air pockets from forming and restricting coolant passage to the block.

- Remove the pressure cap to allow the entire system to drain and prevent air pockets from restricting coolant flow through the engine block.
- Open the coolant drain valve and allow the system to drain.
- If the inside of the radiator has mineral deposits or the used coolant contains dirt or grease, see next section, Flushing and Cleaning. If the cooling system does not have mineral deposits, refill the cooling system as instructed below in, Filling Cooling System.

FLUSHING AND CLEANING

For optimum protection, drain, flush, and refill the cooling system at the interval listed in the service schedule.

- Drain, clean, and flush the coolant overflow bottle.
- Refill the cooling system as instructed below.

FILLING COOLING SYSTEM

	Coolant Capacity	
Model	Engine	Engine With Block Heater
24RCL, 30RCL, 38RCLB	13.2 L (3.5 Gal)	13.7 L (3.6 Gal)

Figure 4.1

Do not add coolant to a hot engine. Adding coolant to a hot engine can cause the cylinder block or cylinder head to crack. Wait until engine has cooled.

Note: It is very important to purge air from the cooling system by following this entire procedure.

- Close the radiator's coolant drain valve and tighten the hose clamps.
- Fill the radiator with the recommended coolant mixture of 50% ethylene glycol and 50% clean, softened water to inhibit rust/corrosion and prevent freezing. The coolant capacity is shown in Figure 4.1.
- Operate the engine with the radiator cap removed until the thermostat opens and the upper radiator hose becomes hot.
- Stop the engine and allow it to cool.
- Add coolant to the radiator to just below the overflow tube on the filler neck. See Section 1, Service Views, for the overflow tube location.
- Replace the radiator's pressure cap.
- Maintain the coolant level in the coolant overflow bottle between the Hot and Cold markings. See Section 1, Service Views, for the coolant overflow bottle location.