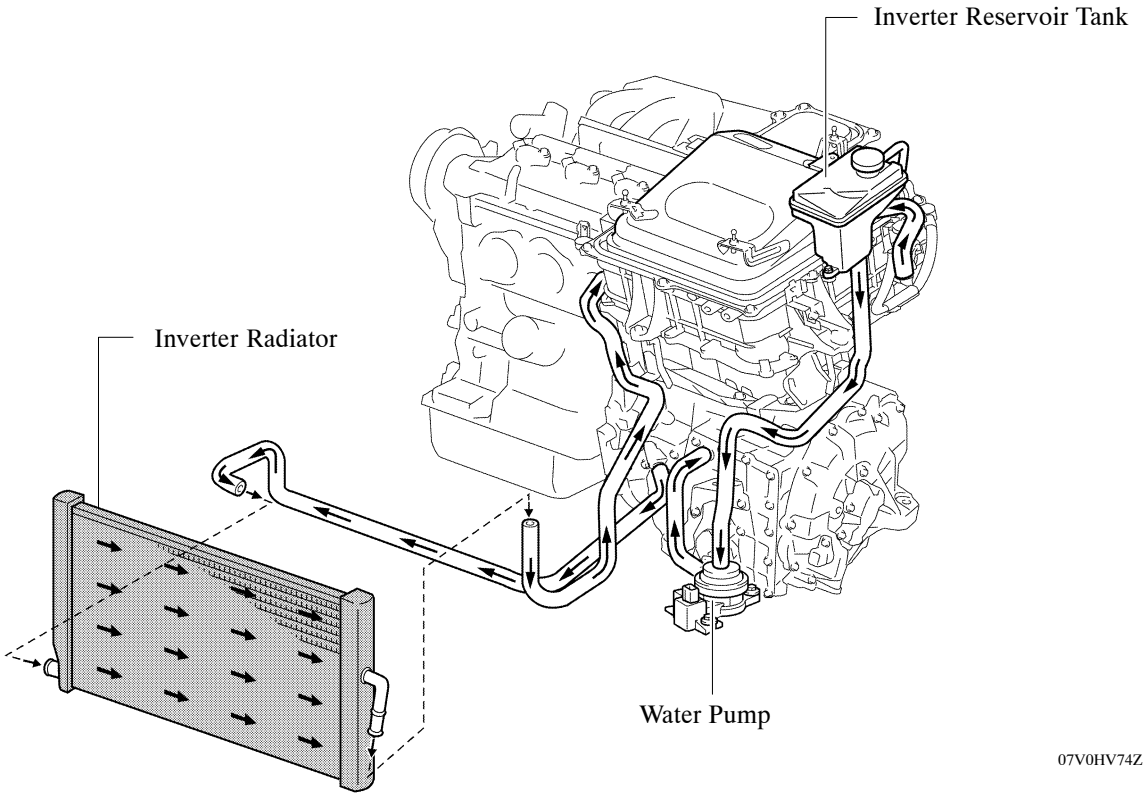
■COOLING SYSTEM

1. General

- A cooling system that is independent from the engine cooling system is provided for cooling the inverter with converter assembly, MG1, and MG2.
- This cooling system activates when the power switch is turned on (READY).

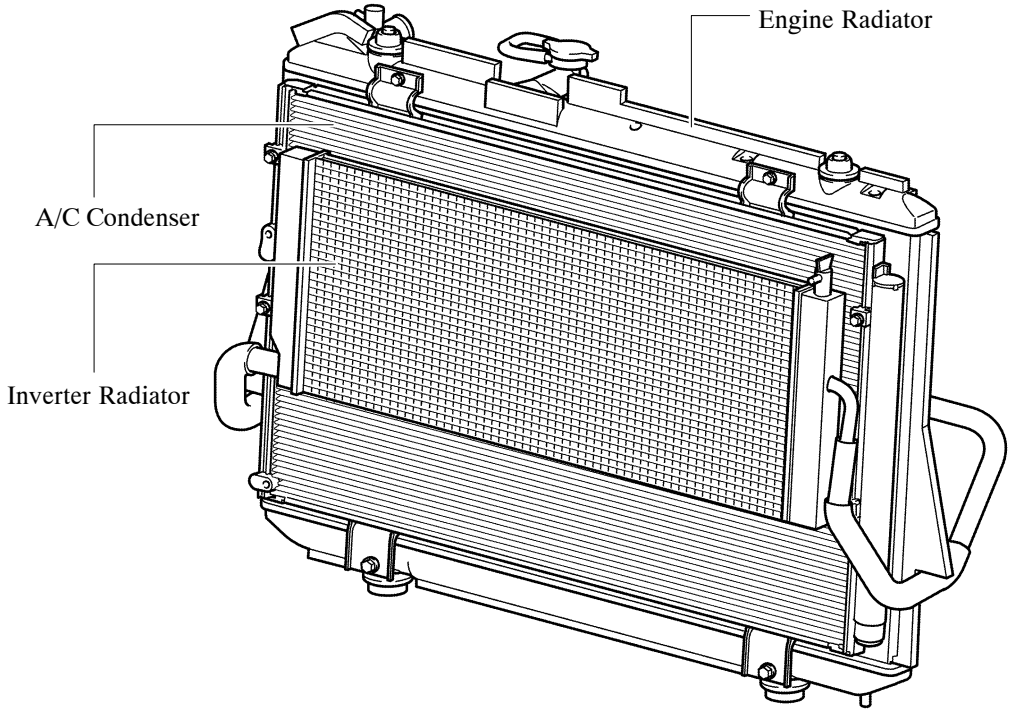


Water Pump	Discharge Volume		12 L/min or greater@65 °C (149 °F)
Coolant	Capacity		3.4 liters (3.6 US qts, 3.0 Imp. qts)
	Type		TOYOTA Genuine Super Long Life Coolant (SLLC) or Equivalent
	Color		Pink
	Maintenance Intervals	First Time	100000 miles (160000 km)
		Subsequent	Every 50000 miles (80000 km)

- SLLC is pre-mixed (50% coolant and 50% deionized water), so no dilution is needed when adding or replacing SLLC in the vehicle.
- If LLC (red-colored) is mixed with SLLC, the interval for LLC (every 24000 miles/40000 km or 24 months) should be used.

2. Inverter Radiator

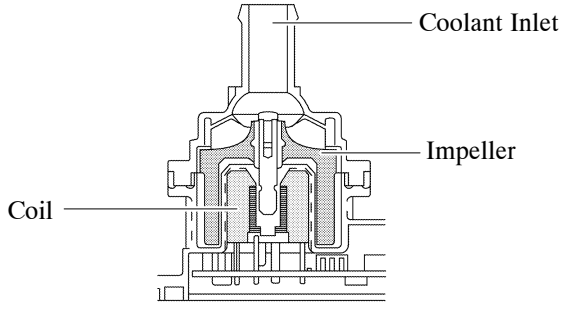
- The inverter radiator and engine radiator are separate parts. The inverter radiator is mounted in front of the A/C condenser.
- The cooling fan is also shared by the engine radiator and A/C condenser.



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3. HV Water Pump

- A compact and high output type electric water pump is used.
- A high output DC motor (brushless type) is used for the pump motor, furthermore, bearings that support the motor shaft at both ends are employed, thus suppressing noise and vibration.



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