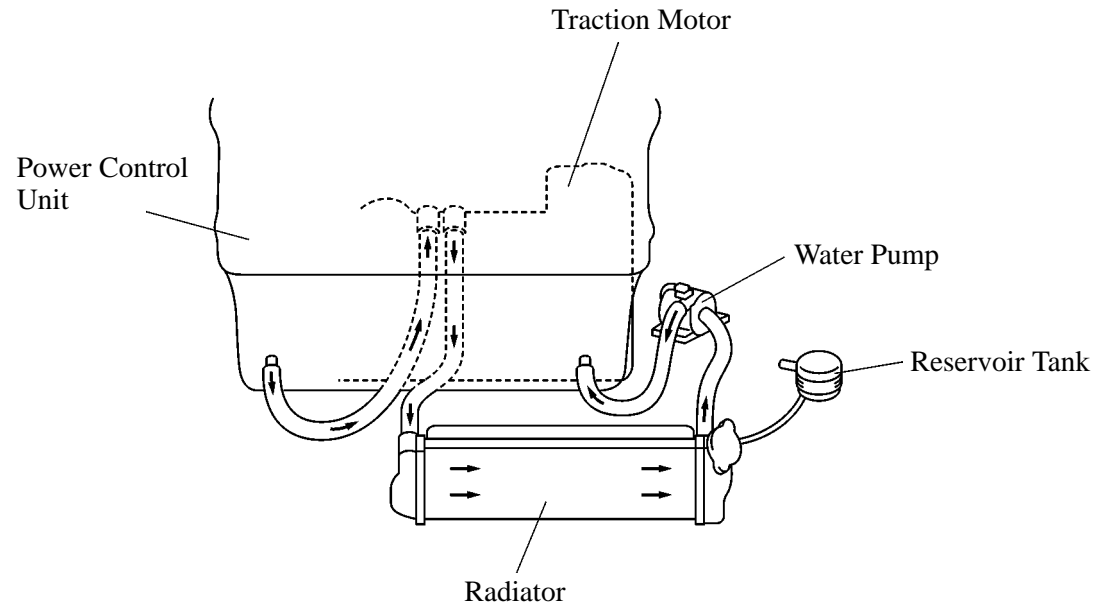


COOLING SYSTEM

DESCRIPTION

A water-cooled cooling system has been adopted for cooling the traction motor, motor inverter, battery charger, DC-DC converter, and A/C inverter.



153EG15

CONSTRUCTION AND OPERATION

1. Water Pump

- An electric water pump that uses a brushless DC motor has been adopted for circulating the engine coolant.
- The electric water pump operates when one of the conditions given below is met.
 - Motor Inverter $\cong 50^{\circ}\text{C}$ (122°F)
 - Battery Chager $\cong 45^{\circ}\text{C}$ (113°F)
 - DC-DC Converter $\cong 70^{\circ}\text{C}$ (158°F)

2. Cooling Fan

The electric cooling fan operates when the engine coolant exceeds 55°C (120°F).