

THERMOSTAT

The thermostat has a wax type by-pass valve and is mounted in the water inlet housing. The thermostat includes a type of automatic valve operated by fluctuations in the coolant temperature. This valve closes when the coolant temperature drops, preventing the circulation of coolant through the engine and thus permitting the engine to warm up rapidly. The valve opens when the coolant temperature has risen, allowing the circulation of coolant. Wax inside the thermostat expands when heated and contracts when cooled. Heating the wax thus generates pressure which overpowers the force of the spring which keeps the valve closed, thus opening the valve. When the wax cools, its contraction causes the force of the spring to take effect once more, closing the valve. The thermostat in this engine operates at a temperature of 82°C (180°F).

PREPARATION

EG1BK-02

SST (SPECIAL SERVICE TOOLS)

	09230-00010 Radiator Service Tool Set	
	(09231-00060) No.3 Plug	This Part No. is a component part of 09230-01010

EQUIPMENT

EG00U-02

Heater	Thermostat
Radiator cap tester	
Thermometer	Thermostat
Torque wrench	

COOLANT

EG00V-04

Item	Capacity	Classification
Engine coolant (w/ Front and rear heaters)	14.2 liters (15.0 US qts, 12.4 Imp. qts)	Ethylene-glycol base