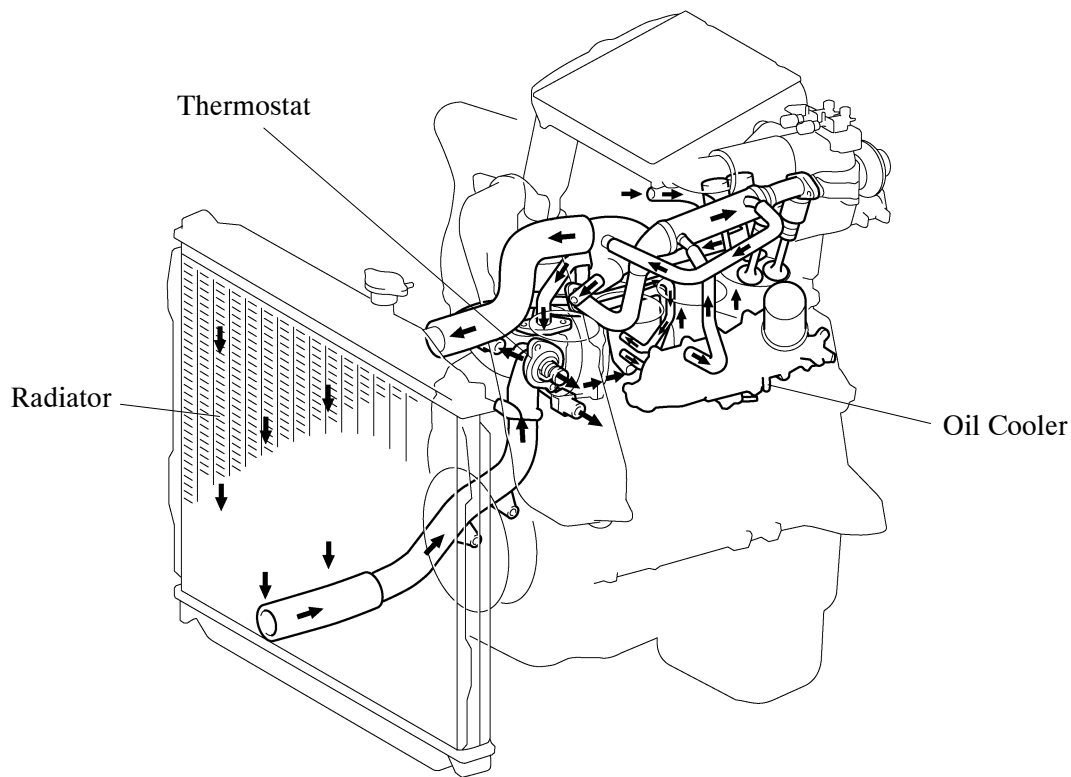


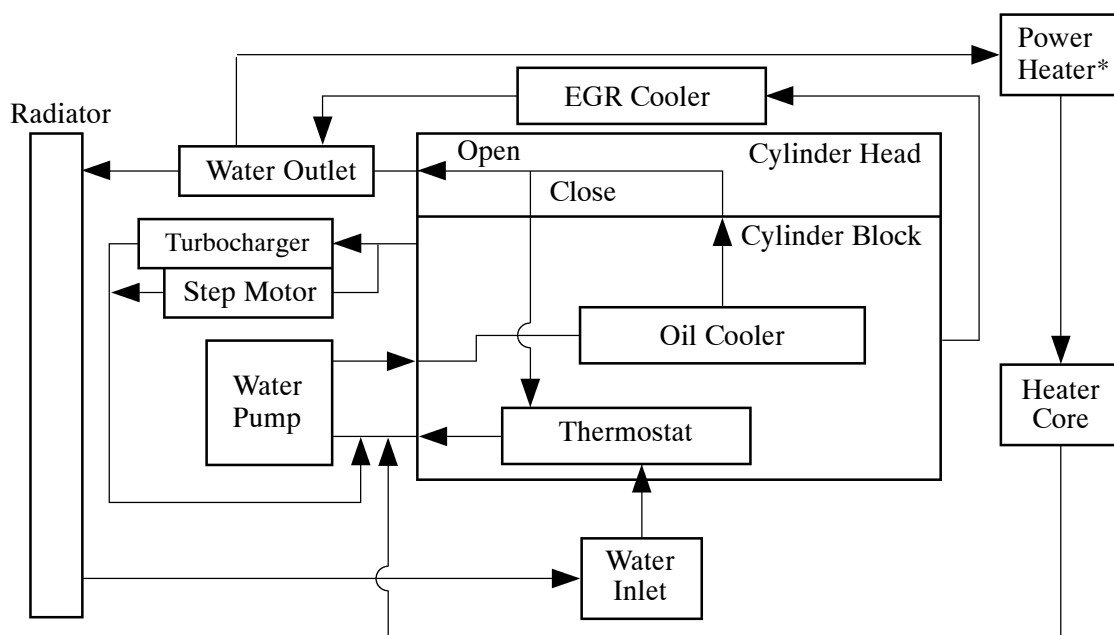
■ COOLING SYSTEM

General

- The cooling system is a pressurized, forced-circulation type.
- A thermostat with a bypass valve is located on the water inlet housing to maintain suitable temperature distribution in the cooling system.
- A vertical two stage construction is used for the water jacket in the cylinder head to improve cooling performance.
- An aluminum radiator core is used for weight reduction.
- A viscous type power heater is used on the cold area specification model to promote the warming of the engine and to improve the heating performance of the heater during extremely cold temperatures.
- EGR cooler to cool down intake air temperature during EGR operation is used.
- In accordance with the adoption of the variable nozzle vane type turbocharger, a cooling circuit for the step motor is used.



► System Diagram ◀



*: Only for cold area specification model

195EG55

► Specifications ◀

Engine Coolant	Capacity	AT	with Power Heater	11.0 liter (11.6 US qts, 9.7 Imp. qts)
			without Power Heater	10.8 liter (11.4 US qts, 9.5 Imp. qts)
		MT	with Power Heater	11.3 liter (11.9 US qts, 9.9 Imp. qts)
			without Power Heater	11.1 liter (11.7 US qts, 9.8 Imp. qts)
	Type	TOYOTA Long Life Coolant or Equivalent		
Thermostat	Opening Temperature	80°C ~ 84°C (176°F ~ 183°F)		