

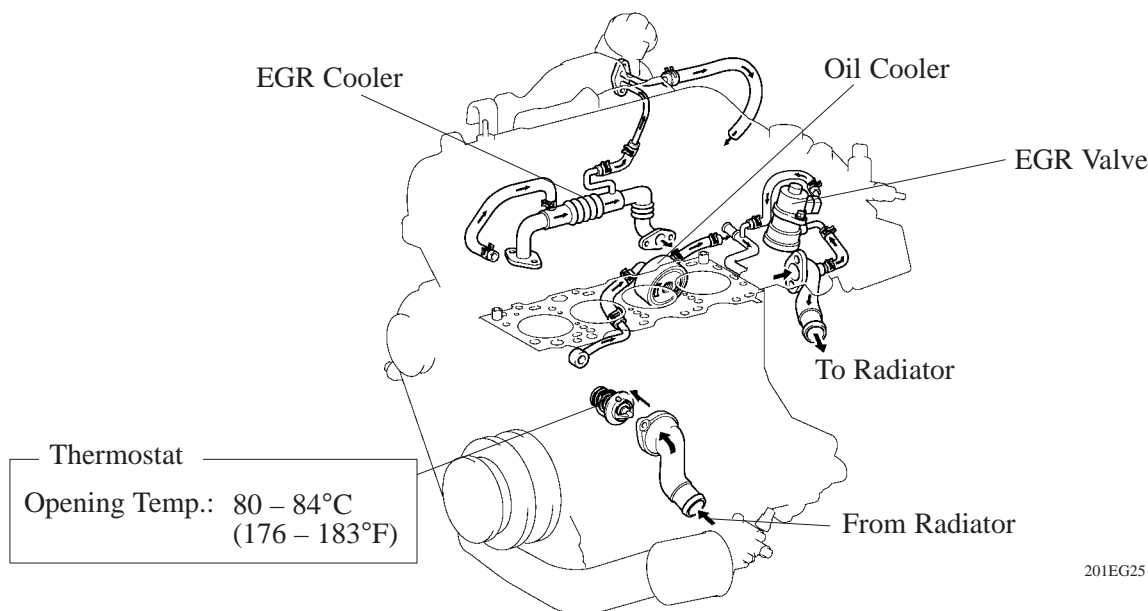
■ COOLING SYSTEM

1. General

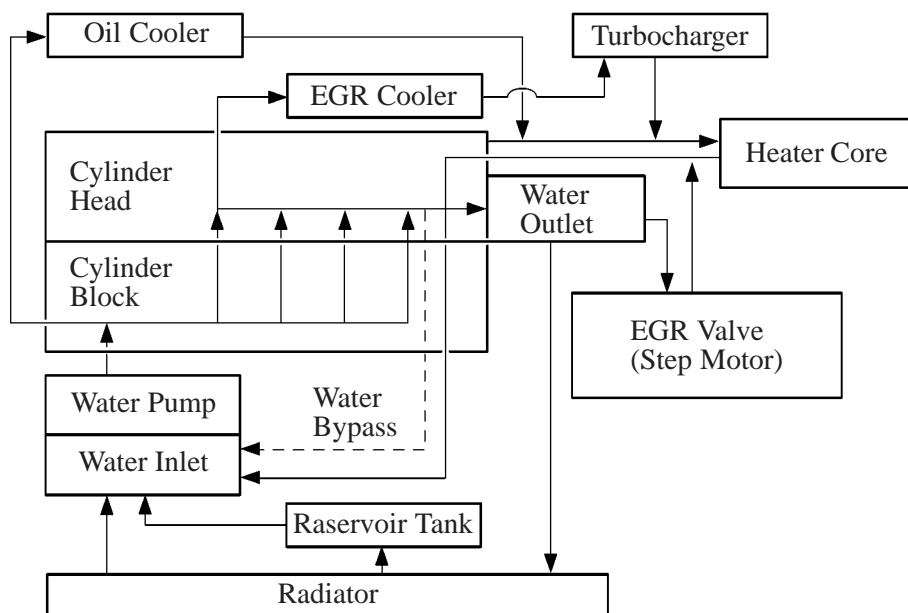
- The cooling system is a pressurized, forced-circulation type.
- A pressurized reservoir tank has been adopted to prevent the engine coolant deteriorating upon contact with external air.
- A thermostat, having a bypass valve, is located on the water pump inlet side of the coolant circuit. As the coolant temperature rises, the thermostat opens the water bypass passage closes, so the system maintains suitable temperature distribution in the cylinder head.
- An aluminum radiator core is used for weight reduction.

— Changes (from Avensis) —

- A water passage has been provided for cooling the EGR valve.
- A water-cooled EGR cooler has been provided.



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2. Pressuried Reservoir Tank

This reservoir tank has following feature.

- Prevent the engine coolant not to deteriorate upon contact with external air.
- Prevent the engine coolant not to evaporate.
- The air in the water passage is separated into gaseous and liquid forms in the reservoir tank, the gas-liquid separation performance has been improved.