Troubleshooting

Trouble Symptom		Probable Cause		Remedy
Coolant leakage	• From the thermostat gasket	Check the mounting bolts	• Check the torque of the mounting bolts	• Retighten the bolts and check leakage again.
		Check the gasket for damage	• Check gasket or seal for damage	• Replace gaskets and reuse the thermostat.
Cooled excessively	• Low heater performance (cool air blowed-out) • Thermogauge indicates "LOW"	Visually check after removing the radiator cap.	• Insufficient coolant or leakage.	• After refilling coolant, recheck.
		Check KDS & engine start	• Check DTCs • Check connection of the fan clutch or the fan motor. ※ If the fan clutch is always connected, there will be a noise at idle.	• Check the engine coolant sensor, wiring and connectors. • Replace the components.
		Remove the thermostat and inspect	• Check if there are dust or chips in the thermostat valve. • Check adherence of the thermostat.	• Clean the thermostat valve and reuse the thermostat. • Replace the thermostat, if it doesn"t work properly.
Heated excessively	• Engine overheated • Thermogauge indicates "HI"	Visually check after removing the radiator cap.	• Insufficient coolant or leakage. ※Be careful when removing the radiator cap of the overheated vehicle. • Check air in cooling system.	• After refilling coolant, recheck. • Check the cylinder head gaskets for damage and the tightening torque of the mounting bolts.
		Check KDS & engine start	• Check DTCs • Check the fan motor performance as temperature varies. • Check if the fan clutch slips. • Check for water pump adherence and damaged impeller.	• Check the engine coolant sensor, wiring and connectors. • Check the fan motor, the relay and the connector. • Replace the fan clutch, if it doesn"t work properly. • Replace the water pump, if it doesn"t work properly.
		Immerse the thermostat in boiling water and inspect.	• After removing the thermostat, check if it works properly. ※ Check the thermostat opens at the valve opening temperature.	• Replace the thermostat, if it doesn"t work properly.