

Troubleshooting

Symptoms		Possible Causes		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.
		diagnostic tool check&Starting engine	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 componants.
		Remove the thermostat and inspect	Check if there are dusts 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 a 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.
		diagnostic tool check&Starting engine	Check DTCs Check the fan motor performance as temperature varies. Check if the fan clutch slips. Check the water pump adherence or impeller damaged.	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 inspection.	After removing the thermostat, check it works properly. ※ Check the thermostat opens at the valve opening temperature.	Replace the thermostat, if it doesn't work properly.

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