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**GROUP 14**

# **ENGINE COOLING**

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## GENERAL INFORMATION

M2140000100434

The cooling system is a water-cooled pressurized, forced circulation type which offers the following features:

- To stabilize engine coolant temperature, the thermostat is located at the coolant inlet port from the radiator.
- To improve engine cooling performance and save weight, a plastic tank and aluminium radiator fins are used.
- The speed of the cooling fan is controlled by a cooling fan motor drive control unit. The engine-ECU <M/T> or engine-A/T-ECU <A/T> detects vehicle driving conditions and controls the cooling fan motor drive control unit so that the fan operating noise is minimized and fuel efficiency is improved.

## SPECIFICATIONS

Item		Specification
Cooling method		Water-cooled pressurized, forced circulation with electrical fan
Water pump	Type	Centrifugal impeller
	Drive method	Timing belt
Thermostat	Type	Wax pellet with jiggle valve
	Valve open temperature °C	82 ± 1.5
Radiator	Type	Pressurized corrugate type
	Core size (width × height × thickness) mm	691.3 × 375 × 27
	Performance kJ/h	215,586
Transmission oil cooler <A/T>	Type	Double tube type
	Performance kJ/h	6,300
Engine coolant	Specified coolant	DIAQUEEN SUPER LONG LIFE COOLANT or an equivalent
	Quantity (including radiator condenser tank) L	7.0

## CONSTRUCTION DIAGRAM

