

**Engine Cooling - ID4 2.2L Diesel -**

Item	Specification
Anti-freeze	WAS-M97B44-D
Anti-freeze concentration - Will provide frost protection to -40°C (-40°F)	50%
Specific gravity of coolant at 20°C (68°F), to protect against frost down to -40°C (-40°F)	1.068

Item	Capacity
Cooling System	10 Liters (17.6 pints) (10.6 quarts)
Radiator	2.3 Liters (4 pints) (2.4 quarts)
Coolant Expansion Tank (To Cold Level)	1.2 Liters (2.1 pints) (1.3 quarts)

Item	Description
Cooling system type	Pressurized, thermostatically controlled with coolant expansion tank
Radiator	Cross flow
Coolant expansion tank	Remote with cold level fill mark
Pressure cap rating	100 kPa (1 bar) (15.9 lbf/in <sup>2</sup> )
<b>Thermostat:</b> Starts to open	82° C (180°F)
<b>Thermostat:</b> Fully open	96° C (205°F)
Cooling fan	Viscous
Cooling fan control	Bi-metallic
Cooling fan diameter	475 mm (18.70 inches)
Cooling fan direction of rotation	Clockwise when viewed from front of engine
Coolant pump	Centrifugal flow impeller, belt driven from the crankshaft

**Torque Specifications**

Description	Nm	lb-ft
Coolant bleed screw(s)	3	2
Coolant pump bolts	23	17
Coolant pump outlet manifold	10	7
Coolant pump hose clip	3	2
Viscous coupling bolts	10	7
Expansion tank bolt	10	7
Charge air cooler to radiator bolts	20	15
Charge air cooler inlet and outlet hose clips	3	2
Charge air cooler bracket bolts	9	7
Power steering reservoir nuts	4	3