

3MZ-FE COOLING**SERVICE DATA**

Thermostat	
Valve opening temperature	80 to 84°C (176 to 183°F)
Valve lift	at 95°C (203°F): 10 mm (0.394 in.) or more
Radiator cap sub-assembly	
Standard opening pressure	74 to 103 kPa (0.75 to 1.05 kgf/cm ² , 10.7 to 14.9 psi)
Minimum opening pressure	59 kPa (0.6 kgf/cm ² , 8.6 psi)
Cooling fan	
Standard amperage No.1	10.6 to 16.6 A
Standard amperage No.2	5.6 to 11.6 A
Cooling fan relay	
Specified voltage	9 to 12 V

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TORQUE SPECIFICATIONS

Part Tightened	N*m	kgf*cm	ft.*lbf
Water pump assembly x Cylinder block	8.0	82	71 in.*lbf
Timing belt idler sub-assembly No.1 x Cylinder block	34	347	25
Water inlet x Water inlet housing	8.0	82	71 in.*lbf
Water inlet pipe (TMC MADE) x Cylinder head	20	199	14
Water inlet pipe (TMMWV MADE) x Cylinder head	20	199	14
Cylinder block drain cock plug x Cylinder block drain cock	13	130	9
Radiator assembly x Radiator support lower	5.0	51	44 in.*lbf
Radiator assembly x Radiator support upper	5.0	51	44 in.*lbf
Radiator assembly x Fun shroud	13.5	138	10
Radiator support sub-assembly upper x Body	7.8	71	62 in.*lbf
Radiator support sub-assembly upper x Suction tube	9.8	100	87 in.*lbf
Hood lock assembly x Radiator support sub-assembly upper	8.0	82	71 in.*lbf

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