

2008 Mazda CX-9 Grand Touring

2008 STEERING Technical Data (Steering) - Mazda CX-9

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STEERING TECHNICAL DATA

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Item	Specification
Power steering fluid type	ATF-MIII, M-V or Dexron®II
Power steering fluid capacity (approximate quantity)	1.27 L {1.34 US qt, 1.11 Imp qt}
Oil pump fluid pressure	11.3-11.8 MPa {116-120 kgf/cm ² , 1639-1711 psi}
Gear housing fluid pressure	11.3-11.8 MPa {116-120 kgf/cm ² , 1639-1711 psi}
Steering wheel play	0-30 mm {0-1.18 in}
Steering wheel effort	7.8 N.m {80 kgf.cm, 58 in.lbf} max.
Steering shaft length	211.6 mm {8.331 in}
Steering rack runout	Near point A: 0.15 mm {0.006 in} max. Near point B: 0.20 mm {0.008 in} max.
Tie-rod end rotational torque	0.4-2.7 N.m {4.1-27.5 kgf.cm, 3.6-23.8 in.lbf} [Pull scale reading: 3.4-25.5 N {0.35-2.60 kgf, 0.8-5.7 lbf}]
Tie-rod swing torque	0.1-4.0 N.m {1.1-40 kgf.cm, 0.89-35 in.lbf} [Pull scale reading: 1.0-40.0 N {0.2-4.0 kgf, 0.23-8.99 lbf}]
Pinion shaft rotation torque	Center of rack ± 90°: 1.0-1.6 N.m {1-16 kgf.cm, 8.9-14 in.lbf} [Pull scale reading: 9-13 N {1.0-1.3 kgf, 2.1-2.9 lbf}] Except center of rack ± 90°: Less than 1.68 N.m {17.1 kgf.cm, 14.8 in.lbf} [Pull scale reading: Less than 13.8 N {1.4 kgf, 3.1 lbf}]