

2008 Mazda CX-9 Grand Touring

2008 DRIVELINE/AXLE Technical Data (Driveline/Axle) - Mazda CX-9

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DRIVELINE/AXLE TECHNICAL DATA

Front and Rear Axle

FRONT AND REAR AXLE SPECIFICATION

Item	Specification
Front wheel bearing maximum play	0.05 mm {0.002 in}
Rear wheel bearing maximum play	0.05 mm {0.002 in}

Drive Shaft

DRIVE SHAFT SPECIFICATION

Item	Specification
Front drive shaft standard length	LH: 658.7-668.7 mm {25.92-26.30 in} RH: 630.7-640.7 mm {24.82-25.20 in}
Rear drive shaft standard length	LH: 840.3-850.3 mm {33.09-33.47 in} RH: 895.3-905.3 mm {35.25-35.64 in}

Differential

DIFFERENTIAL SPECIFICATION

Item	Specification
Rear differential oil	Grade: API service GL-5 Viscosity: SAE 80W-90 Capacity (approximate quantity): 1.0 L {1.1 US qt, 0.9 Imp qt}
Rear differential backlash of pinion gear and side gear	0.1 mm {0.004 in} or less
Rear differential pinion height	-0.032-0.032 mm {-0.0012-0.0012 in}
Rear differential drive pinion preload	1.3-1.8 N.m {13.3-18.2 kgf.cm, 11.5-15.9 in.lbf}
Rear differential backlash of drive pinion and ring gear	Standard: 0.09-0.11 mm {0.003-0.004 in} Minimum value: 0.05 mm {0.002 in}

Propeller Shaft

PROPELLER SHAFT SPECIFICATION

Item	Specification
Propeller shaft maximum runout	0.8 mm {0.031 in}
Propeller shaft starting torque	0.29-1.47 N.m {3.0-14.9 kgf.cm, 2.6-13.0 in.lbf}

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Transfer

TRANSFER SPECIFICATION

Item	Specification
Transfer oil	Grade: API service GL-5 Viscosity: SAE 75W-140 Capacity (approximate quantity): 0.532 L {0.562 US qt, 0.468 Imp qt}