

2007 Mazda MX-5 Miata Sport

2007 DRIVELINE/AXLES Technical Data - MX-5 Miata

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DRIVELINE/AXLE TECHNICAL DATA

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Item	Specification
Maximum front wheel bearing play	0.05 mm {0.002 in}
Maximum rear wheel bearing play	0.05 mm {0.002 in}
Drive shaft length	Left side: 778.5-788.5 {30.65-31.04} Right side: 818.5-828.5 {32.22-32.62}
Differential oil	Grade: API service GL-5 Viscosity: SAE 90, SAE 80W-90, SAE 75W-90 (Not available from Mazda) Capacity (approx. quantity): 0.6-0.8 L {0.63-0.85 US qt, 0.53-0.70 Imp qt}
Backlash of pinion gear and side gear	0.1 mm {0.004 in} or less
Differential pinion height	0.038 mm {0.0015 in} or less
Differential drive pinion preload	1.3-1.8 N.m {14-18 kgf.cm, 12.1-15.6 in.lbf}
Backlash of drive pinion and ring gear	Standard: 0.09-0.11 mm {0.0035-0.0043 in} Minimum value: 0.05 mm {0.0020 in} or more Variance: 0.07 mm {0.0028 in} or less
Propeller shaft maximum runout	0.4 mm {0.016 in}
Propeller shaft initial torque (Reference value)	0.29-0.98 N.m