

2012 - Mazda6 - Brakes

BRAKES TECHNICAL DATA

Item	Specification
Brake fluid type	SAE J1703 or FMVSS116 DOT-3
Brake pedal height (reference value)	167.9 mm {6.610 in}
Brake pedal play	4—8 mm {0.2—0.3 in}
Brake pedal-to-floor clearance (Brake pedal when depressed at 147 N {15.0 kgf, 33.0 lbf})	95.4 mm {3.76 in}
Front disc plate runout limit	0.05 mm {0.002 in}
Minimum front disc plate thickness	23 mm {0.91 in}
Minimum front disc plate thickness after machining using a brake lathe on-vehicle	23.8 mm {0.937 in}
Minimum front disc pad thickness	2.0 mm {0.08 in} min.
Rear disc plate runout limit	0.14 mm {0.0055 in}
Minimum rear disc plate thickness	8 mm {0.3 in}
Minimum rear disc plate thickness after machining using a brake lathe on-vehicle	8.8 mm {0.35 in}
Minimum rear disc pad thickness	2.0 mm {0.079 in} min.
Parking brake lever stroke when pulled at 98 N {10 kgf, 22 lbf}	2—4 notches

Standard power brake unit non-servo operation

Vacuum amount at 0 kPa {0 mmHg, 0 inHg}

Pedal force	Fluid pressure
200 N {20.4 kgf, 45.0 lbf}	390 kPa {3.98 kgf/cm ² , 56.6 psi} or more

Standard power brake unit servo operation

Vacuum amount at 66.7 kPa {500 mmHg, 19.7 inHg}	
Pedal force	Fluid pressure
200 N {20.4 kgf, 45.0 lbf}	8,450 kPa {86.16 kgf/cm ² , 1,226 psi} or more

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