

Mazda MX-5 Roadster Coupe

Major Specifications

Note: All data given in this press information are provisional and may be subject to change without notice.
 Also note that the figures, specifications and equipment herein may differ depending on the country where the model is sold.

Market			North America	Europe	Japan	Australia
DIMENSIONS AND WEIGHTS						
Overall Length	With number-plate holder	mm (in)	3,995 (157.3)	3,995	←	←
	Without number-plate holder	mm (in)	3,990 (157.1)	-	-	-
Overall Width		mm (in)	1,720 (67.7)	1,720	←	←
Overall Height		mm (in)	1,255 (49.4)	1,255	←	←
Wheelbase		mm (in)	2,330 (91.7)	2,330	←	←
Track	Front	mm (in)	1,490 (58.7)	1,490	←	←
	Rear	mm (in)	1,495 (58.9)	1,495	←	←
Ground Clearance	Laden	mm (in)	118 (4.6)	-	-	118
	Unladen	mm	-	136	135	-
Headroom		mm (in)	940 (37.0)	940	←	←
Shoulder Room		mm (in)	1,352 (53.2)	1,352	←	←
Legroom		mm (in)	1,096 (43.1)	1,096	←	←
Amount of Seat-Slide Adjustment		mm (in)	230 (9.1)	230	←	←
Amount of Tilt-Steering Adjustment		mm (in)	32 (1.3)	32	←	←
Luggage Room	Width	mm (in)	1,277 (50.3)	1,277	←	←
	Width between wheel houses	mm (in)	784 (30.9)	784	←	←

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Market			North America			Europe			Japan			Australia	
Fuel System			Multipoint electronic fuel injection	←	←	←	←	←	←	←	←	←	←
Fuel Type			Premium unleaded fuel 96 RON	←	←	Premium unleaded fuel 95 RON	←	←	Premium unleaded fuel 100 RON	←	←	Premium unleaded fuel 95 RON	←
Fuel Tank Capacity		L	48	←	←	50	←	←	←	←	←	←	←
Engine Oil Capacity		L	4.6	←	←	←	←	←	←	←	←	←	←
Coolant Capacity		L	7.5	←	←	←	←	←	←	←	←	←	←
Valve Size		Intake	mm	35	←	←	32.5	35	←	←	←	←	←
		Exhaust	mm	30	←	←	28	30	←	←	←	←	←
Valve Timing		Intake opening	deg	0-30	←	←	4	0-30	←	←	←	←	←
		Intake closing	deg	62-32	←	←	33	62-32	←	←	←	←	←
		Exhaust opening	deg	42	←	←	37	42	←	←	←	←	←
		Exhaust closing	deg	5	←	←	4	5	←	←	←	←	←
Emissions		(Key features: Evaporative purge control, EGR control system, Catalytic converter system)	California: ULEV2 Federal: Bin5	←	←	Stage4	←	←	U-LEV	←	←	Stage3	←
TRANSMISSION													
Clutch Type			Single dry plate diaphragm spring	←	3 elements 1 stage 2 phases torque converter (with Lock Up system)	Single dry plate diaphragm spring	←	←	←	←	3 elements 1 stage 2 phases torque converter (with Lock Up system)	Single dry plate diaphragm spring	3 elements 1 stage 2 phases torque converter (with Lock Up system)

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Clutch Size		mm (in)	215x155 (8.5x6.1)	←	-	215x155	←	←	←	←	-	215x155	-
Gear Ratios	1st		3.136	3.815	3.538	3.136	←	3.709	3.136	3.815	3.538	3.709	3.538
	2nd		1.888	2.260	2.060	1.888	←	2.190	1.888	2.260	2.060	2.190	2.060
	3rd		1.330	1.640	1.404	1.330	←	1.536	1.330	1.640	1.404	1.536	1.404
	4th		1.000	1.177	1.000	1.000	←	1.177	1.000	1.177	1.000	1.177	1.000
	5th		0.814	1.000	0.713	0.814	←	1.000	0.814	1.000	0.713	1.000	0.713
	6th		-	0.832	0.582	-	-	0.832	-	0.832	0.582	0.832	0.582
	Reverse		3.758	3.603	3.168	3.758	←	3.603	3.758	3.603	3.168	3.603	3.168
Final Gear Ratio			4.100	4.100	4.100	4.100	←	3.727	4.100	4.100	4.100	3.727	4.100
BODY AND CHASSIS													
Structure and Key Features			<ul style="list-style-type: none"> • Monocoque construction, suspension sub-frame rigidly mounted to car body • Aluminium front suspension arms • Zero-clearance stopper structure bushings used for front upper and lower arm mounting positions 										
Type			2.0L 5MT	2.0L 6MT	2.0L 6AT	1.8L 5MT	2.0L 5MT	2.0L 6MT	2.0L 5MT	2.0L 6MT	2.0L 6AT	2.0L 6MT	2.0L 6AT
SUSPENSION													
Type	Front		Double wishbone	←	←	←	←	←	←	←	←	←	←
	Rear		Multilink	←	←	←	←	←	←	←	←	←	←
Damper			Monotube	←	←	←	←	←	←	←	←	←	←
Stabilizer Type			Torsion bar	←	←	←	←	←	←	←	←	←	←
Stabilizer Size	Front diameter mm (in)		22.2 (0.87)	←	←	22.2	←	←	←	←	←	←	←
	Rear diameter mm (in)		Standard suspension: 11.0 (0.43) Sports suspension: 12.0 (0.47)										
Sports Suspension (Bilstein)			-	△	-	-	-	○	-	△	-	-	-

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STEERING												
Type		Rack and pinion	←	←	←	←	←	←	←	←	←	←
Power Assist		Hydraulic power assisted	←	←	←	←	←	←	←	←	←	←
Gear Ratio		15	←	←	←	←	←	←	←	←	←	←
Turns	Lock-to-lock	2.7	←	←	←	←	←	2.6	←	←	2.7	←
BRAKES												
Type	Front	Ventilated disc	←	←	←	←	←	←	←	←	←	←
	Rear	Solid disc	←	←	←	←	←	←	←	←	←	←
Diameter x Thickness	Front mm (in)	290x22 (11.4x0.9)	←	←	290x22	←	←	←	←	←	←	←
	Rear mm (in)	280x10 (11.0x0.4)	←	←	280x10	←	←	←	←	←	←	←
Vacuum Booster	in	9	←	←	←	←	←	←	←	←	←	←
Four-Wheel Antilock Braking System (4W-ABS)		○	○	○	○	○	○	○	○	○	○	○
Dynamic Stability Control (DSC)		-	△	△	△	○	○	-	△	△	○	○
TYRES AND WHEELS												
Tyre Size		205/50 R16	205/45 R17	205/50 R16 205/45 R17	205/50 R16	205/50 R16 205/45 R17	205/45 R17	205/50 R16	205/50 R16 205/45 R17	205/50 R16 205/45 R17	205/45 R17	←
Wheel Size		16x6-1/2J	17x7J	16x6-1/2J 17x7J	16x6-1/2J	16x6-1/2J 17x7J	17x7J	16x6-1/2J	16x6-1/2J 17x7J	16x6-1/2J 17x7J	17x7J	←
Run-Flat Tyres (17 inch only)		-	△	△	-	-	-	-	-	-	-	-

○: Standard equipment, △: Available as option, -: Not available