

2008 MX-5 Miata

Engine & Mechanical



Standard
 Package Option
 Stand-Alone Option
 Dealer Installed Accessory
 Not Available

2008 MX-5 Miata	SV	Sport	Touring	Grand Touring	Special Edition
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ENGINE

Engine Type	2.0L DOHC 16-valve 4-cylinder with VVT
Horsepower, SAE net	166 @ 6700 rpm (6AT; 158 @ 6700 rpm)
Torque, SAE net (lb./ft.)	140 @ 5000 rpm
Redline	6700 rpm
Displacement (cubic inches)	122.0
Bore x Stroke (inches)	3.44 X 3.27
Compression Ratio	10.8:1
Valvetrain	4 valves per cylinder
Engine Block	Aluminum Alloy
Cylinder Heads	Aluminum Alloy

DRIVETRAIN

Type	Rear Wheel Drive (RWD)		
	5-Speed Manual	6-Speed Manual	
Transmissions, Manual			
Transmissions, Automatic	<input type="checkbox"/>	Available 6-Speed Automatic	
Clutch Type for Manual Transmission	Single dry plate (diaphragm spring)		
GEAR RATIOS (:1)	5MT	6MT	6AT
1st	3.136	3.815	3.538
2nd	1.888	2.260	2.060
3rd	1.330	1.640	1.404
4th	1.000	1.177	1.000
5th	0.814	1.000	0.713
6th	<input type="checkbox"/>	0.832	0.582
Reverse	3.758	3.603	3.168
Final Drive	4.100	4.100	4.100

FUEL ECONOMY

EPA mileage (city / highway)

Manual Transmission

22/27* (5MT)

21/28* (6MT)

Automatic Transmission

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20/27*

* These estimates reflect new EPA methods beginning with 2008 models

FUEL SYSTEM

Fuel Injection

Electrical: Multi-Port

Recommended/Minimum Fuel Requirement (rating)

Premium unleaded, 91 octane or greater

CHASSIS

Body Type

Monocoque

Front Suspension

Double Wishbone

Rear Suspension

Multilink

Shock Absorbers

Gas Filled: Front and Rear

Steering Type

Rack and Pinion

Power Assist

Hydraulic

Overall Steering Ratio

15.0:1

Steering Wheel Turns-to-Lock

2.7

Turning Circle, Curb-to-Curb (feet)

15.4

Braking System

Diagonal Hydraulic with ABS

Front Brakes

Ventilated Discs (11.4 inches)

Rear Brakes

Solid Discs (11.0 inches)

WHEELS & TIRES

Tires

P205/50 R16

P205/45 R17

Wheels

16X6-1/2J

17X7J

Mazda reserves the right to change specifications at any time without incurring obligation. Availability may be limited by location and time. Please consult your local dealer for full details.

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Exterior

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EXTERIOR FEATURES

Antenna, rear fender mounted	S	S	S	S	S
Body colored, front & rear bumpers	S	S	S	S	S
Aluminum bonnet hood	S	S	S	S	S
Aluminum trunk lid	S	S	S	S	S
Body colored door handles	S	S	S	S	S
Convertible top, cloth (black or tan)	✕	✕	✕	S	✕
Convertible top, cloth (saddle brown)	✕	✕	✕	✕	S
Convertible top, vinyl (black)	S	S	S	✕	✕
Fog lights, clear-lens halogen	✕	P	S	S	S
Glass rear window	S	S	S	S	S
Headlights – halogen	S	S	S	S	✕
Headlights – Xenon High Intensity Discharge (HID)	✕	✕	✕	P	S
Mirrors, dual power remote / body colored	S	S	S	S	S
Seat back bar trim – black	S	S	✕	✕	✕
Seat back bar trim – silver	✕	P	S	S	S
Trunk light	S	S	S	S	S
Windshield, solar-control/tinted (green)	S	S	S	S	S
High mount clear lens brake lamp	✕	✕	✕	✕	S
Wipers, 2-speed fixed intermittent	S	S	S	S	S

WHEELS & TIRES

Tires	P205/50 R16	P205/45 R17
Wheels	16X6-1/2J	17X7J

EXTERIOR DIMENSIONS

Wheelbase (inches)	91.7
Track, front (inches)	58.7
Track, rear (inches)	58.9
Length, w/license plate holder (inches)	157.3
Width (inches)	67.7
Height (inches)	49.4
Minimum Ground Clearance, laden (inches)	4.6

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Interior

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COMFORT & CONVENIENCE

Air conditioning, CFC-Free	X	S	S	S	S
Cruise control	X	P	S	S	S
Coin holder	S	S	S	S	S
Cup holders, 2 front	S	S	S	S	S
Defogger, rear window	S	S	S	S	S
Demisters, front side window	S	S	S	S	S
Door locks, power	X	P	S	S	S

SEATING & TRIM

Door Panel: Vinyl (black) w/ silver handle	S	S	S	X	X
Door Panel: faux leather (black or tan) w/ silver handle	X	X	X	S	X
Door Panel: faux leather (saddle brown w/ blue stitching) and with silver handle	X	X	X	X	S
Inner pull-handle cap trim	Black	Black	Black	Silver	Silver
Speaker ring	Black	Black	Black	Silver	Silver
Floor mats, carpeted	S	S	S	S	S
Floor tunnel net pocket	X	P	S	S	S
Front door storage pockets with bottle holders	S	S	S	S	S
Foot rest – driver	S	S	S	S	S
Gauges, black with white lettering & red nighttime illumination	S	S	S	S	S
Heater/defroster with multiple-speed fan	S	S	S	S	S
Ignition key illumination	S	S	S	S	S
Instrument panel gauge trim - silver	S	S	S	S	S
Instrument panel gauge trim - dark silver	X	X	X	X	S
Courtesy overhead lamp with dimming	S	S	S	S	S
Locking glove box	S	S	S	S	S
Locking rear center console	S	S	S	S	S
Mirrors, vanity – driver & passenger	S	S	S	S	S
Mirror, rear view – day/night	S	S	S	S	S
Parking brake, black urethane	S	S	S	S	X

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Parking brake, saddle brown leather w/ blue stitching	✗	✗	✗	✗	☑
Power windows with driver's one-touch-down feature	☑	☑	☑	☑	☑
Passenger one-touch-down feature	✗	☑	☑	☑	☑
Remote keyless entry with retractable key	✗	☑	☑	☑	☑
Remote, trunk lid/fuel door/back slide feature	☑	☑	☑	☑	☑
Scuff plate, stainless steel	✗	✗	✗	✗	☑
Mazda Advanced Keyless Entry	✗	✗	✗	☑	☑
Bucket with reclining and forward/back slide feature	☑	☑	☑	☑	☑
Driver's seatback storage pocket	☑	☑	☑	☑	☑
Integrated headrests	☑	☑	☑	☑	☑
Upholstery, cloth (black)	☑	☑	☑	✗	✗
Upholstery, leather (black or tan)	✗	✗	✗	☑	✗
Upholstery, leather (saddle brown w/ blue stitching)	✗	✗	✗	✗	☑
Steering, urethane	☑	✗	✗	✗	✗
Steering, leather wrapped	✗	☑	☑	☑	✗
Steering, leather wrapped (saddle brown w/ blue stitching)	✗	✗	✗	✗	☑
Steering wheel w/audio and speed controls	✗	☑	☑	☑	✗
Steering wheel w/audio and speed controls (saddle brown w/ blue stitching)	✗	✗	✗	✗	☑
12-V power outlet	☑	☑	☑	☑	☑
Shift knob, urethane	☑	☑	✗	✗	✗
Shift knob, leather wrapped	✗	✗	☑	☑	✗
Shift knob, leather wrapped (saddle brown)	✗	✗	✗	✗	☑
				w/ silver ring	w/ silver ring
Storage – driver and passenger back panel (uncovered)	☑	☑	✗	✗	✗
Storage – driver and passenger back panel (covered)	✗	☑	☑	☑	☑
Warning lamps: air bags, battery, brake, engine, fuel, high-beam, oil, seat belt	☑	☑	☑	☑	☑
Driver's seat height adjuster	☑	☑	☑	☑	☑
Heated seats	✗	✗	✗	☑	☑
Windblocker – mesh aero board	☑	☑	☑	☑	☑

AUDIO SYSTEM

4-speaker sound system	☑	☑	✗	✗	✗
6-speaker sound system	✗	✗	☑	✗	✗
7-speaker sound system	✗	✗	✗	☑	☑
AM/FM stereo w/single CD player w/digital clock	☑	☑	☑	☑	☑
Bose audio 7 speaker sound system (includes Audiopilot™)	✗	✗	✗	☑	☑
In-dash 6-disc CD changer	✗	✗	☑	☑	☑

Speed-sensing automatic volume control



INTERIOR DIMENSIONS

Headroom, front (inches)	37.4
Shoulder Room, front (inches)	53.2
Leg Room, front (inches)	43.1
Hip Room, front (inches)	50.6

CAPACITIES

Cargo volume (cubic feet)	5.3
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Safety

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SAFETY & SECURITY

Anti-theft alarm	X	X	X	P	S
Dual front airbags with passenger deactivation switch	S	S	S	S	S
Engine Immobilizer	S	S	S	S	S
Side impact airbags	S	S	S	S	S
Side impact door beams	S		S	S	S
Three point safety belts with pretensioners and force limiters	S	S	S	S	S
Tire pressure monitor system (TPMS)	S	S	S	S	S

Options

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OPTIONS & ACCESSORIES

Convenience Package <ul style="list-style-type: none"> • Covered rear storage compartments • Cruise control • Fog lamps • Global open (one touch power down driver and passenger window). Function included in remote keyless entry. • Net pocket & silver seatback trim • Power door lock • Remote keyless entry and retractable key • Steering wheel audio and cruise controls 	X	□ (Package included when ordering AT)	S	S	S
Suspension Package <ul style="list-style-type: none"> • Bilstein shocks • Limited Slip Differential (LSD) • Sport tuned suspension 	X	X	□	□	X
Premium Package #1 <ul style="list-style-type: none"> • Anti-theft alarm • Dynamic Stability Control (DSC) w/Traction Control • Limited Slip Differential (LSD) • Mazda Advanced Keyless Entry System • Xenon High Intensity Discharge (HID) headlights 	X	X	X	□	S (MT)
Premium Package #2 <ul style="list-style-type: none"> • Anti-theft alarm • Dynamic Stability Control (DSC) w/Traction Control • Mazda Advanced Keyless Entry System • Xenon High Intensity Discharge (HID) headlights 	X	X	X	□	S (AT)
Run-flat tires	X	X	□	□	X
ULEV Emissions Equipment – CA/MA/ME/NY/VT/CT/RI/PA	□	□	□	□	□