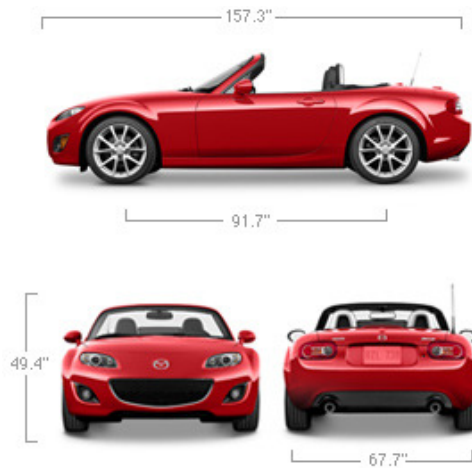


2009 MX-5 Miata

Engine & Mechanical



standard option not available



MX-5 Miata at a Glance:



Engine Type

167-hp†, 2.0L DOHC 16-valve 4-cylinder engine with variable valve timing (VVT)



Convertible Options

Choice of soft top or Power Retractable Hard Top (PRHT)



Fuel Efficiency

22/28 city/hwy - 5-speed MT
21/28 city/hwy - 6-speed MT or 6-speed AT‡



Safety Features

Standard advanced front air bags and side-impact air bags†††

2009 MX-5 Miata	SV	Sport	Touring	Grand Touring
Engine				
Engine Type	2.0L DOHC 16-valve 4-cylinder engine with variable valve timing (VVT)			
Horsepower	167 hp @ 7,000 rpm (MT); 158 hp @ 6,700 rpm (AT)			
Torque	140 lb-ft @ 5,000 rpm			
Redline	7,200 rpm (MT); 6,700 rpm (AT)			
Displacement (cu in / cc)	122 / 1999			
Bore x stroke (mm)	87.5 x 83.1			
Compression ratio	10.8:1			
Fuel system	Multiport electronic fuel injection with tuned air intake			
Recommended fuel	Premium unleaded			
Valve train	4 valves per cylinder, variable valve timing (VVT) with timing-chain-driven camshafts			
Engine block	Aluminum alloy			
Cylinder head	Aluminum alloy			
Emission control type	Tier2 - BIN5 (Federal) - LEV-2 ULEV (California)			
Ignition system	Distributorless			
Fuel Economy				
Manual transmission (city/hwy)‡	22/28	22/28	21/28	21/28
Automatic transmission (city/hwy)‡	--	21/28	21/28	21/28
Drivetrain				
Type	Rear-wheel drive (RWD)			
Manual transmission	5-speed with short-throw shifter	6-speed with short-throw shifter		
Automatic transmission	--	6-speed Sport with Adaptive Shift Logic and steering-wheel-mounted paddle shifters		

Differential	Available torque-sensing super limited-slip (manual transmission only)			
Gear Ratios (:1)	5MT	6MT	6AT	
1st	3.14	3.82	3.54	
2nd	1.89	2.26	2.06	
3rd	1.33	1.64	1.40	
4th	1.00	1.18	1.00	
5th	0.81	1.00	0.71	
6th	--	0.79	0.58	
Reverse	3.76	3.60	3.17	
Final drive	4.10	4.10	4.10	
Chassis				
Frame	Aluminum Power Plant Frame			
Brakes	Power-assist 4-wheel disc brakes with Anti-lock Brake System (ABS), Electronic Brakeforce Distribution (EBD) and Brake Assist			
Front	Ventilated discs (11.4 inch diameter)			
Rear	Solid discs (11.0 inch diameter) with aluminum brake calipers			
Parking brake	Mechanical, hand-operated on rear wheels			
Steering type	Rack-and-pinion with variable power assist			
Overall steering ratio	15.0:1			
Steering wheel turns-to-lock	2.7			
Turning circle diameter, curb-to-curb (ft)	30.8			
Suspension	4-wheel independent			
Front	Independent, double wishbone, coil springs and stabilizer bar			
Rear	Independent, multilink, coil springs and stabilizer bar			
Springs	Available sport-tuned coil springs			
Front strut tower brace	--	Standard	Standard	Standard
Shock absorbers	Gas-filled telescopic; available Bilstein			
Wheel size (in)	16 x 6.5	16 x 6.5	17 x 7.0	17 x 7.0
Tire size	P205/50R16 V-speed-rated radial tires		P205/45R17 W-speed-rated radial tires	
Weights & Capacities				
Curb weight (lbs)**				
MT	2,447	2,480	2,511	2,511
AT	--	2,542	2,542	2,542
Weight distribution (front/rear)	52/48			
Fuel capacity (gallons)	12.7			

2009 MX-5 Miata



Exterior

standard option not available

2009 MX-5 Miata	SV	Sport	Touring	Grand Touring
Exterior Features				
Halogen headlights with projector-type low beams				
Xenon High-Intensity-Discharge (HID) low-beam headlights	--	--	--	
Halogen fog lights	--	††		
Body-color front and rear bumpers				
Chrome grill surround	--	--		
Lightweight aluminum-alloy hood and trunk lid				
2-speed fixed-intermittent windshield wipers				
Dual body-color power remote outside mirrors				
Body-color door handles				
Black vinyl convertible top				--
Black or Beige cloth convertible top	--	--	--	
Glass rear window with defogger				
Rear-fender-mounted antenna				
Dual exhaust outlets with chrome tips				
Wheels & Tires				
16-inch aluminum alloy wheels			--	--
17-inch aluminum alloy wheels	--	--		
P205/50 R16 high-performance radial tires			--	--
P205/45 R17 high-performance radial tires	--	--		
Tire puncture repair kit (includes compressor, tire sealant, injection hose, spare valve core, valve core tool)				
Run-flat tires (does not include tire puncture repair kit)	--	--	--	
Exterior Dimensions				
Wheelbase (in)	91.7			
Track, front (in)	58.7			
Track, rear (in)	58.9			
Length, with front license plate holder (in)	157.3			
Width (in)	67.7			
Height (in)	49.0			
Minimum ground clearance, laden (in)	4.6			

2009 MX-5 Miata



Interior

standard option not available

2009 MX-5 Miata	SV	Sport	Touring	Grand Touring
Comfort & Convenience				
Air conditioning	--			--
Automatic climate control	--	--	--	
Rear window defogger				
Power windows with driver's one-touch-down feature				
Passenger window one-touch-down feature	--	††		
Power door locks with 2-stage unlocking feature	--	††		
Remote keyless entry system with retractable key	--	††		
Mazda Advanced Keyless Entry & Start System	--	--	--	
Cruise control with steering-wheel-mounted controls	--	††		
Bluetooth® hands-free phone and audio capability***	--	--	--	
Manual day/night rearview mirror			--	--
Auto-dimming rearview mirror with HomeLink®	--	--		
Tilt steering wheel				
Driver and passenger visor vanity mirrors				
Retractable wind blocker				
12-volt power outlet				
Storage Features				
Lockable glove box				
Center console storage/cup holder with sliding cover				
Lockable rear storage				
Driver and passenger behind-seat storage — covered				
Front door net pockets with bottle holders				
Driver's seatback storage pocket				
Seating & Trim				
6-way adjustable driver's seat				
4-way adjustable passenger seat				
Cloth-trimmed seats - Black				--
Leather-trimmed seats - Black, Beige or Brown	--	--	--	
Heated seats with 5-level variable heat settings	--	--	--	
Leather-wrapped steering wheel	--			
Leather-wrapped shift knob	--	--		
Leather-wrapped parking brake	--	--	--	
Interior trim - Black				--
Interior trim - Silver	--	--	--	
Seatback bars - Black			--	--
Seatback bars - Silver	--	††		
Audio Systems				
AM/FM/CD/MP3-compatible stereo with 6 speakers			--	--
AM/FM/in-dash 6-disc CD/MP3-compatible changer with 6 speakers	--	--		--
Bose® audio system with AudioPilot®, AM/FM/in-dash 6-disc CD/MP3-compatible changer and 7 speakers	--	--	--	
Steering-wheel-mounted audio controls	--	††		









































Speed-sensitive automatic level control	S	S	S	--
Bluetooth® hands-free phone and audio capability‡‡	--	--	--	□
Auxiliary-audio input jack	S	S	S	S
SIRIUS Satellite Radio***	--	--	--	□
Instrumentation				
Speedometer, tachometer, oil pressure, coolant temperature and fuel gauge	S	S	S	S
Black face, silver trim with white lettering (red illumination)	S	S	S	S
Trip computer	--	□ ††	S	S
Interior Dimensions & Capacities				
Headroom (in)	37.4			
Shoulder room (in)	53.2			
Hip room (in)	50.6			
Legroom (in)	43.1			
Cargo volume (cu ft)	5.3			

2009 MX-5 Miata

Safety



 standard  option  not available

2009 MX-5 Miata	SV	Sport	Touring	Grand Touring
Safety & Security				
Dual front air bags ^{†††} with passenger-side deactivation switch				
Side-impact air bags ^{†††}				
3-point seat belts with pretensioners and force limiters				
Anti-lock Brake System (ABS) with Electronic Brakeforce Distribution (EBD) and Brake Assist				
Tire-Pressure Monitoring System (TPMS)				
Dynamic Stability Control (DSC) ^{†††} , Traction Control System (TCS)				
Tire puncture repair kit (includes compressor, tire sealant, injection hose, spare valve core, valve core tool)				
Run-flat tires (does not include tire puncture repair kit)				
Engine-immobilizer antitheft system				
Antitheft alarm system				

2009 MX-5 Miata

Options & Packages



S standard
 □ option
 -- not available

2009 MX-5 Miata	SV	Sport	Touring	Grand Touring
Packages & Options				
Convenience Package <ul style="list-style-type: none"> Fog lights Remote keyless entry and retractable key Power door locks Cruise control Steering-wheel-mounted audio and cruise controls One-touch-down passenger window Trip computer Silver seatback bars 	--	□ ††	S	S
Suspension Package <ul style="list-style-type: none"> Sport-tuned suspension Bilstein® shock absorbers Limited-slip differential (manual transmission only) 	--	--	□	□
Premium Package <ul style="list-style-type: none"> Xenon High-Intensity-Discharge (HID) low-beam headlights Mazda Advanced Keyless Entry & Start System Bluetooth hands-free phone capability‡‡ SIRIUS Satellite Radio*** Dynamic Stability Control (DSC)‡‡‡ with Traction Control System (TCS) Antitheft alarm 	--	--	--	□
Run-flat tires	--	--	--	□
Audio				
In-Dash 6-disc CD/MP3-compatible changer	□	--	--	--
SIRIUS Satellite Radio with 6 month subscription	□	□	□	□ ****
Exterior				
Appearance Package (not available with splash guards) <ul style="list-style-type: none"> Front air dam Side sill skirts Rear under skirt 	□	□	□	□
Door edge guards	□	□	□	□
Chrome fuel filler door	□	□	□	□
Splash guards front and rear (not available with Appearance Package)	□	□	□	□
Rear spoiler	□	□	□	□
Wheel locks	□	□	□	□
Interior				
Interior Trim Package <ul style="list-style-type: none"> Instrument panel decorative trim panel (brushed aluminum look) Door switch panel (brushed aluminum look) Gear shift knob (leather/aluminum) 	□	□ ††††	□	□
Floor mats - Carpet	□	□	□	□
Floor mats - All-weather	□	□	□	□
Cargo net	□	□	□	□
Anti-theft alarm with shock sensor	□	□ ††††	□	□ ****

* MSRP includes destination charges but excludes tax, title and license fees. Destination charges may vary in Alaska and Hawaii. Vehicles displayed may contain optional equipment at additional costs. Actual dealer price may vary.

† 158 hp - 6-speed Sport automatic transmission.

‡ EPA-estimated mileage. Actual results may vary.

** Federal emission specification.

†† Standard on MX-5 Sport with 6-speed Sport automatic transmission.

‡‡ The Bluetooth® system functions only with select manufactured devices. Please consult www.MazdaUSA.com/bluetooth for device compatibility.

*** SIRIUS Satellite Radio-compatible audio system requires additional dealer-installed hardware and subscription.

††† Always wear your seat belt and deactivate passenger-side air bag when using a child- or infant-safety seat.

‡‡‡ Dynamic Stability Control (DSC) is an electronic system to help the driver maintain control under adverse conditions. It is not a substitute for safe driving practices. Factors including speed, road conditions and driver steering input can all affect whether DSC will be effective in preventing loss of control. Please see the Owner's Manual for further details.

**** Not available with Premium Package.

†††† Requires Convenience Package.