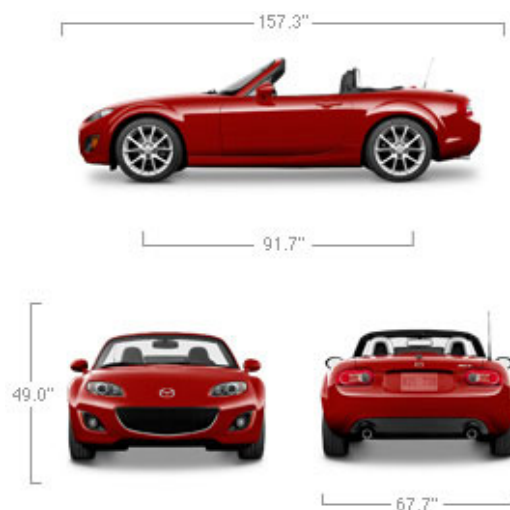


2011 MX-5 Miata

Engine & Mechanical



standard option not available



MX-5 Miata at a Glance:



Engine Type

167-hp†, MZR 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‡

21/28 city/hwy — 6-speed AT‡



Safety Features

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

2011 MX-5 Miata	Sport	Touring	Grand Touring
Engine			
Engine type	MZR 2.0L DOHC 16-valve 4-cylinder engine with VVT		
Horsepower			
- Manual transmission	167 hp @ 7000 rpm		
- Automatic transmission	158 hp @ 6700 rpm		
Torque	140 lb-ft @ 5000 rpm		
Redline			
- Manual transmission	7200 rpm		
- Automatic transmission	6700 rpm		
Displacement (cc)	1999		
Bore x stroke (mm)	87.5 x 83.1		
Compression ratio	10.8:1		
Fuel system	Electronically controlled multiport fuel injection with tuned air intake		
Recommended fuel	Premium unleaded		
Valve train	Chain-driven dual overhead cams, 4 valves per cylinder with variable intake valve timing (VVT)		
Ignition system	Direct coil-on-plug electronic ignition with platinum-tipped spark plugs		
Engine block	Aluminum alloy		
Cylinder head	Aluminum alloy		
Crankshaft	Forged steel		
Connecting rods	Forged steel		
Emission control type (Fed/Cal)	Tier2 - BIN5 / LEV-II ULEV		
Fuel Economy			
Manual transmission (city/hwy)‡	22/28	21/28	
Automatic transmission (city/hwy)‡	21/28		

Drivetrain			
Type	Rear-wheel drive (RWD)		
Manual transmission	5-speed with short-throw shifter	6-speed close-ratio with short-throw shifter	
Automatic transmission	6-speed Sport with Adaptive Shift Logic and steering-wheel-mounted paddle shifters		
Differential	Available torque-sensing 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	4-wheel disc		
- Front	11.4-inch vented disc		
- Rear	11.0-inch solid disc with aluminum brake calipers		
- ABS	4-wheel, 4-channel with Electronic Brakeforce Distribution (EBD) and Brake Assist		
Steering type	Rack-and-pinion		
Power assist	Hydraulic Power Assist Steering (HPAS)		
Overall steering ratio	15.0:1		
Steering wheel turns, lock-to-lock	2.7		
Turning circle diameter, curb-to-curb (ft)	30.8		
Suspension	4-wheel independent		
- Front	Double wishbone, coil springs with stabilizer bar		
- Rear	Multilink with stabilizer bar		
- Stabilizer bar (front)	Hollow		
- Stabilizer bar (rear)	Solid		
- Springs	Available sport-tuned coil springs		
- Front strut tower brace	—	Standard	
Shock absorbers	Gas-filled, double acting; available Bilstein®		
Wheel size (in)	16 x 6.5	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)			
- Manual transmission	2480	2511	
- Automatic transmission	2542		
Weight distribution (front/rear)	52/48		
Fuel capacity (gallons)	12.7		

2011 MX-5 Miata



Exterior

S standard
 □ option
 — not available










































































































2011 MX-5 Miata	Sport	Touring	Grand Touring
Body			
Halogen headlights	S	S	S
Xenon High-Intensity-Discharge (HID) low-beam headlights	—	—	□
Halogen fog lights	□††	S	S
Chrome grille surround	—	S	S
Lightweight aluminum-alloy hood and trunk lid	S	S	S
Variable-intermittent windshield wipers	S	S	S
Vinyl convertible top	S	S	—
Cloth convertible top	—	—	S
Dual power side mirrors	S	S	S
Body-color door handles	S	S	S
Glass rear window with defogger	S	S	S
Rear-fender-mounted antenna	S	S	S
Dual exhaust outlets with chrome tips	S	S	S
Wheels & Tires			
16-inch aluminum-alloy wheels	S	—	—
17-inch aluminum-alloy wheels	—	S	S
P205/50R16 high-performance radial tires	S	—	—
P205/45R17 high-performance radial tires	—	S	S
Tire puncture repair kit (includes compressor, tire sealant, injection hose, spare valve core, valve core tool)	S	S	S
Exterior Dimensions			
Wheelbase (in)		91.7	
Track, front (in)		58.7	
Track, rear (in)		58.9	
Length (in)		157.3	
Width (in)		67.7	
Height (in)		49.0	
Minimum ground clearance, laden (in)		4.6	































2011 MX-5 Miata



Interior





































 standard  option  not available

2011 MX-5 Miata	Sport	Touring	Grand Touring
Comfort & Convenience			
Air conditioning			
Automatic climate control			
Power windows with driver's one-touch-down feature			
Passenger window one-touch-down feature	 ††		
Power door locks with 2-stage unlocking	 ††		
Cruise control with steering-wheel-mounted controls	 ††		
Bluetooth® hands-free phone capability††			
Remote keyless entry with retractable key	 ††		
Mazda Advanced Keyless Entry & Start System			
Auto-dimming rearview mirror with HomeLink®			
Tilt steering wheel			
Interior illumination — dome light, ignition switch and trunk			
Driver and passenger visor vanity mirrors			
Retractable wind blocker			
12-volt power outlet			
Rear window defogger with timer			
Storage			
Lockable glove compartment			
Center console storage with cup holder			
Door net pockets with bottle holders			
Lockable rear storage			
Driver and passenger behind-seat storage — covered			
Driver's seatback storage pocket			
Seating & Trim			
2-passenger seating			
6-way adjustable driver's seat			
4-way adjustable passenger seat			
Heated seats			
Cloth-trimmed seats			
Leather-trimmed seats			
Leather-wrapped steering wheel			
Leather-wrapped shift knob			
Leather-wrapped parking brake handle			
Silver interior accents			
Silver seatback bar accents	 ††		
Padded center console and door armrests			
Carpet floor mats			

Audio			
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® 2, AM/FM/in-dash 6-disc CD/MP3-compatible changer and 7 speakers			
SIRIUS Satellite Radio-compatible audio system***			
SIRIUS Satellite Radio with free 4-month subscription			
Auxiliary-audio input jack			
Steering-wheel-mounted audio controls			
Instrumentation			
Speedometer, tachometer, oil pressure, coolant temperature and fuel gauge			
Dual trip odometers			
Trip computer			
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	

Safety

 standard  option  not available

2011 MX-5 Miata	Sport	Touring	Grand Touring
Safety			
Advanced front air bags** with seat belt-use, passenger-weight and driver's seat-position sensors and 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			
Dynamic Stability Control (DSC)††† and Traction Control System (TCS)			
Side-impact door beams			
Collapsible steering column			
Security			
Engine-immobilizer anti-theft system			
Anti-theft alarm system			
Keyless remote panic button (on key fob)	 ††		
Tire-Pressure Monitoring System (TPMS)			
Tire puncture repair kit (includes compressor, tire sealant, injection hose, spare valve core, valve core tool)			

2011 MX-5 Miata



Options & Packages

S standard **□** option **--** not available

2011 MX-5 Miata	Sport	Touring	Grand Touring
Packages & Options			
Convenience Package - 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 - Sport-tuned suspension - Bilstein® shock absorbers - Limited-slip differential (manual transmission only)	--	□	□
Premium Package - Xenon High-Intensity-Discharge (HID) low-beam headlights - Mazda Advanced Keyless Entry & Start System - Bluetooth® hands-free phone capability‡ - SIRIUS Satellite Radio with free 4-month subscription - Dynamic Stability Control (DSC)††† and Traction Control System (TCS) - Antitheft alarm	--	--	□
Exterior			
Appearance Package (not available with splash guards) - Front air dam - Side sill skirts - Rear under skirt	□	□	□
Door edge guards	□ / R	□ / R	□ / R
Chrome fuel-filler door	□ / R	□ / R	□ / R
Splash guards front and rear (not available with Appearance Pkg)	□ / R	□ / R	□ / R
Rear spoiler	□ / R	□ / R	□ / R
Wheel locks	□ / R	□ / R	□ / R
Interior			
Carpet Floor mats	□ / R	□ / R	□ / R
All-weather floor mats	□ / R	□ / R	□ / R
Cargo net	□ / R	□ / R	□ / R‡‡‡
Antitheft alarm with shock sensor	□ / R‡‡	□ / R	□ / R‡‡
Audio			
In-Dash 6-disc CD/MP3-compatible changer	□ / R	--	--
SIRIUS Satellite Radio with free 4-month subscription	□ / R	□ / R	□ / R‡‡‡

† 158 hp — 6-speed Sport automatic transmission.

‡ EPA-estimated mileage. Actual results may vary.

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

†† Requires Convenience Package on MX-5 Sport with 5-speed manual transmission. 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.

†† 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 Owners Manual for further details.

‡‡ Not available with Premium Package.