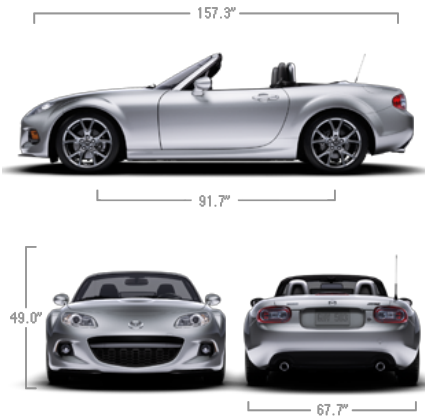


2013 MX-5 Miata  
 Engine & Mechanical



■ Standard 
 ■ Package Option 
 ■ Stand-Alone Option 
 ■ Accessory 
 ▬ 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)



**EPA-ESTIMATED 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\*\*

2013 MX-5 Miata	Sport	Club	Grand Touring
<b>Engine</b>			
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		
Valvetrain	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		
<b>EPA-Estimated Fuel Economy</b>			
Manual transmission (city/Hwy)‡	22/28		21/28
Automatic transmission (city/Hwy)‡	21/28		
<b>Drivetrain</b>			
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

Chassis	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	2.70		
Turning circle diameter, curb-to-curb (ft)	30.80		
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)	17 x 7.0		
Tire size	P205/45R17 W-speed-rated radial tires		

#### Weights & Capacities

Curb weight (lbs)			
- Manual transmission	2447		2480
- Automatic transmission	2542		2542
Weight distribution (front/rear)		52/48	
Fuel capacity (gallons)		12.7	

## 2013 MX-5 Miata



### Exterior

S Standard 
 P Package Option 
 D Stand-Alone Option 
 R Accessory 
 -- Not Available

2013 MX-5 Miata	Sport	Club	Grand Touring
<b>Body</b>			
Halogen headlights	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>
Xenon High-Intensity-Discharge (HID) low-beam headlights	--	--	<span style="color: blue;">D</span>
Halogen fog lights	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>
Lightweight aluminum-alloy hood	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>
Black front air dam and rear diffuser	--	<span style="color: orange;">S</span>	--
Variable-intermittent windshield wipers	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>
Black Z-fold vinyl soft top	<span style="color: orange;">S</span>	--	--
Black Z-fold cloth soft top	--	<span style="color: orange;">S</span>	--
Black/Spicy Mocha Z-fold cloth soft top (matched to interior color)	--	--	<span style="color: orange;">S</span>
Body-colored dual power side mirrors	<span style="color: orange;">S</span>	--	<span style="color: orange;">S</span>
Painted black dual power side mirrors	--	<span style="color: orange;">S</span>	--
Body-colored door handles	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>
Exclusive Club badges and graphics	--	<span style="color: orange;">S</span>	--
Glass rear window with defogger	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>
Rear-fender-mounted antenna	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>
Dual exhaust outlets with chrome tips	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>
<b>Wheels &amp; Tires</b>			
16-inch aluminum-alloy wheels	<span style="color: orange;">S</span>	--	--
17-inch gunmetal aluminum-alloy wheels	--	<span style="color: orange;">S</span>	--
17-inch aluminum-alloy wheels (Split 5-spoke design)	--	--	<span style="color: orange;">S</span>
P205/50 R16 high-performance radial tires	<span style="color: orange;">S</span>	--	--
P205/45 R17 high-performance radial tires	--	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>
Tire puncture repair kit (includes compressor, tire sealant, injection hose, spare valve core, valve core tool)	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>
<b>Exterior Dimensions</b>			
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	










# 2013 MX-5 Miata



## Interior

S Standard 
 P Package Option 
 D Stand-Alone Option 
 R Accessory 
 -- Not Available

2013 MX-5 Miata	Sport	Club	Grand Touring
<b>Comfort &amp; Convenience</b>			
Air conditioning	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>	--
Automatic climate control	--	--	<span style="color: orange;">S</span>
Power windows with driver one-touch-down feature	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>
Passenger window one-touch-down feature	<span style="color: blue;">P</span> ††	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>
Power door locks with 2-stage unlocking ††	<span style="color: blue;">P</span>	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>
Cruise control with steering-wheel-mounted controls ††	<span style="color: blue;">P</span>	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>
Bluetooth® hands-free phone capability ††	--	--	<span style="color: blue;">P</span>
Remote keyless entry with retractable key ††	<span style="color: blue;">P</span>	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>
Mazda Advanced Keyless Entry & Start System	--	--	<span style="color: blue;">P</span>
Auto-dimming rearview mirror with HomeLink®	--	--	<span style="color: orange;">S</span>
Tilt steering wheel	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>
Interior illumination - dome light, ignition switch and trunk	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>
Driver and passenger visor vanity mirrors	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>
Retractable mesh wind blocker	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>
12-volt power outlet	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>
Rear window defogger with timer	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>
<b>Storage</b>			
Lockable glove compartment	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>
Center console storage with cup holder	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>
Door net pockets with bottle holders	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>
Lockable rear storage	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>
Driver and passenger behind-seat storage - covered	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>
Driver's seatback storage pocket	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>
<b>Seating &amp; Trim</b>			
2-passenger seating	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>
6-way adjustable driver's seat	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>
4-way adjustable passenger seat	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>
Heated seats	--	--	<span style="color: orange;">S</span>
Cloth-trimmed seats	<span style="color: orange;">S</span>	--	--
Black cloth-trimmed seats with red stitching	--	<span style="color: orange;">S</span>	--
Leather-trimmed seats	--	--	<span style="color: orange;">S</span>
Leather-wrapped steering wheel	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>
Leather-wrapped shift knob	--	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>
Leather-wrapped parking brake handle	--	--	<span style="color: orange;">S</span>
Dark gray decoration panel	<span style="color: orange;">S</span>	--	<span style="color: orange;">S</span>
Body-colored decoration panel with "Club" graphics	--	<span style="color: orange;">S</span>	--
Silver seatback bar accents	<span style="color: blue;">P</span> ††	--	<span style="color: orange;">S</span>
Exclusive dark gray seatback bar accents	--	<span style="color: orange;">S</span>	--
Padded center console and door armrests	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>
Carpet floor mats	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>
<b>Audio</b>			
AM/FM/CD/MP3-compatible changer with 6 speakers	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>	--
Bose® audio system, AudioPilot®, AM/FM/CD/MP3-compatible changer and 7 speakers	--	--	<span style="color: orange;">S</span>
SiriusXM Satellite Radio-compatible audio system***	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>
SiriusXM Satellite Radio with 4-month trial subscription to Sirius Select	<span style="color: blue;">D</span> / <span style="color: blue;">R</span>	<span style="color: blue;">D</span> / <span style="color: blue;">R</span>	<span style="color: blue;">D</span> / <span style="color: blue;">R</span> / <span style="color: blue;">P</span>
Auxiliary-audio input jack	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>
Steering-wheel-mounted audio controls ††	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>
<b>Instrumentation</b>			

Speedometer, tachometer, oil pressure, coolant temperature and fuel gauge			
Dual trip odometers			
Trip computer	 TT		

**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

## 2013 MX-5 Miata



### Safety & Security

S Standard 
 P Package Option 
 D Stand-Alone Option 
 R Accessory 
 = Not Available

2013 MX-5 Miata	Sport	Club	Grand Touring
<b>Safety</b>			
Advanced front air bags** with seat belt-use, passenger-weight and driver's seat-position sensors and passenger-side deactivation switch	<span style="color: #e67e22;">S</span>	<span style="color: #e67e22;">S</span>	<span style="color: #e67e22;">S</span>
Side-impact air bags**	<span style="color: #e67e22;">S</span>	<span style="color: #e67e22;">S</span>	<span style="color: #e67e22;">S</span>
3-point seat belts with pretensioners and force limiters	<span style="color: #e67e22;">S</span>	<span style="color: #e67e22;">S</span>	<span style="color: #e67e22;">S</span>
Anti-lock Brake System (ABS) with Electronic Brakeforce Distribution (EBD) and Brake Assist	<span style="color: #e67e22;">S</span>	<span style="color: #e67e22;">S</span>	<span style="color: #e67e22;">S</span>
Dynamic Stability Control (DSC)††† and Traction Control System (TCS)	<span style="color: #e67e22;">S</span>	<span style="color: #e67e22;">S</span>	<span style="color: #e67e22;">S</span>
Side-impact door beams	<span style="color: #e67e22;">S</span>	<span style="color: #e67e22;">S</span>	<span style="color: #e67e22;">S</span>
Collapsible steering column	<span style="color: #e67e22;">S</span>	<span style="color: #e67e22;">S</span>	<span style="color: #e67e22;">S</span>
<b>Security</b>			
Engine-immobilizer antitheft system	<span style="color: #e67e22;">S</span>	<span style="color: #e67e22;">S</span>	<span style="color: #e67e22;">S</span>
Antitheft alarm system	=	=	<span style="color: #3498db;">P</span>
Keyless remote panic button (on key fob)	<span style="color: #3498db;">P</span> ††	<span style="color: #e67e22;">S</span>	<span style="color: #e67e22;">S</span>
Tire-Pressure Monitoring System (TPMS)	<span style="color: #e67e22;">S</span>	<span style="color: #e67e22;">S</span>	<span style="color: #e67e22;">S</span>
Tire puncture repair kit (includes compressor, tire sealant, injection hose, spare valve core, valve core tool)	<span style="color: #e67e22;">S</span>	<span style="color: #e67e22;">S</span>	<span style="color: #e67e22;">S</span>

# 2013 MX-5 Miata

## Packages & Options



S Standard 
 P Package Option 
 Q Stand-Alone Option 
 R Accessory 
 — Not Available

2013 MX-5 Miata	Sport	Club	Grand Touring
<b>Packages &amp; Options</b>			
<b>Convenience Package</b> - Remote keyless entry with retractable key - Cruise control - Steering-wheel-mounted audio and cruise controls - Silver seatback bars - Trip computer	<span style="color: blue;">P</span> (MT only)	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>
<b>Premium Package</b> - Xenon High-Intensity-Discharge (HID) low-beam headlights - Mazda Advanced Keyless Entry & Start System - Bluetooth® hands-free phone capability†† - SiriusXM Satellite Radio with 4-month trial subscription to Sirius Select - Antitheft alarm (MT requires Suspension Package)	—	—	<span style="color: blue;">P</span>
<b>Appearance Package (not available with splash guards)</b> - Front air dam - Rear underskirt	<span style="color: blue;">P</span>	<span style="color: orange;">S</span>	<span style="color: blue;">P</span>
<b>Suspension Package</b> - Sport-tuned suspension - Bilstein® shock absorbers - Limited-slip differential (Available on manual transmissions only)	—	<span style="color: blue;">P</span>	<span style="color: blue;">P</span> (Requires Premium Package)
<b>Exterior</b>			
Paint protection film	<span style="color: blue;">R</span>	<span style="color: blue;">R</span>	<span style="color: blue;">R</span>
Chrome fuel-filler door	<span style="color: blue;">R</span>	<span style="color: blue;">R</span>	<span style="color: blue;">R</span>
Splash guards front and rear (not available with Appearance Pkg)	<span style="color: blue;">R</span>	<span style="color: blue;">R</span>	<span style="color: blue;">R</span>
Rear Spoiler	<span style="color: blue;">R</span>	<span style="color: blue;">R</span>	<span style="color: blue;">R</span>
Wheel locks	<span style="color: blue;">R</span>	<span style="color: blue;">R</span>	<span style="color: blue;">R</span>
<b>Interior</b>			
Carpet floor mats	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>	<span style="color: orange;">S</span>
All-weather floor mats	<span style="color: blue;">Q</span> / <span style="color: blue;">R</span>	<span style="color: blue;">Q</span> / <span style="color: blue;">R</span>	<span style="color: blue;">Q</span> / <span style="color: blue;">R</span>
Cargo net (not available on premium package)	<span style="color: blue;">Q</span> / <span style="color: blue;">R</span>	<span style="color: blue;">Q</span> / <span style="color: blue;">R</span>	<span style="color: blue;">Q</span> / <span style="color: blue;">R</span>
Alarm System with Shock Sensor (not available with Premium Pkg)	<span style="color: blue;">Q</span> / <span style="color: blue;">R</span> / <span style="color: blue;">P</span>	<span style="color: blue;">Q</span> / <span style="color: blue;">R</span> / <span style="color: blue;">P</span>	<span style="color: blue;">Q</span> / <span style="color: blue;">R</span> / <span style="color: blue;">P</span>
<b>Audio</b>			
In-dash 6-disc CD/MP3-compatible changer	<span style="color: blue;">R</span>	<span style="color: blue;">R</span>	<span style="color: orange;">S</span>
SiriusXM Satellite Radio with 4-month trial subscription to Sirius Select	<span style="color: blue;">R</span>	<span style="color: blue;">R</span>	<span style="color: blue;">R</span> †††

## Warranty

Every new Mazda comes with a comprehensive limited warranty that provides coverage in the unlikely event a repair is needed in the first years after your vehicle's purchase. We'll be right there with you all the time, wherever you go by providing warranty coverage and roadside assistance so that the total enjoyment of driving a Mazda never stops.

### 2013 Mazda Vehicles:

#### Mazda Limited Warranty Coverage:

3-year/36,000-mile*	"Bumper-to-Bumper" Limited Warranty
5-year/60,000-mile*	Limited Powertrain Warranty
3-year/36,000-mile*	24/7 Roadside Assistance Program

\*Whichever comes first.

#### BUMPER-TO-BUMPER LIMITED WARRANTY

Mazda warrants that new Mazda cars and trucks will be free of defects with normal use and prescribed maintenance for 36 months or 36,000 miles, whichever comes first. Ordinary maintenance items or adjustments, parts subject to normal wear and replacement and certain other items are excluded. This transferable "limited warranty" is included on all new Mazda vehicles sold and serviced in the United States.

#### POWERTRAIN LIMITED WARRANTY

Mazda warrants that the [Powertrain Components](#) of new Mazda cars and trucks will be free of defects with normal use and prescribed maintenance for 60 months or 60,000 miles, whichever comes first. Ordinary maintenance items or adjustments, parts subject to normal wear and replacement and certain other items are excluded. This "limited warranty" is transferable during the warranty period on all new Mazda vehicles sold and serviced in the United States.

#### 24/7 ROADSIDE ASSISTANCE

If Mazda vehicle is not driveable due to a warranted part failure during the coverage period of the New Vehicle Limited Warranty (36 months/36,000 miles), towing service will be covered to the nearest Mazda Dealer. In addition, if a Mazda vehicle is not driveable due to the failure of a warranted powertrain component, then towing service will be covered during the coverage period of the Powertrain Limited Warranty (60 months/60,000 miles).

Call 1-800-866-1998



Or [download](#) the free Mazda Assist mobile app to your iPhone®\*.  
\* iPhone is a registered trademark of Apple Computer, Inc.

#### PROLONG YOUR PEACE OF MIND



The Mazda Extended Confidence service plan helps keep your Mazda in peak driving condition after your New-Vehicle Limited Warranty expires.

[LEARN MORE](#) ➔

† 158 hp — 6-speed Sport automatic transmission.

‡ EPA-estimated mileage. Actual results will 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](http://www.MazdaUSA.com/bluetooth) for device compatibility.

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

††† Dynamic Stability Control (DSC) is an electronic system designed 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 your owner's manual for further details.

‡‡‡ Not available with Premium Package.