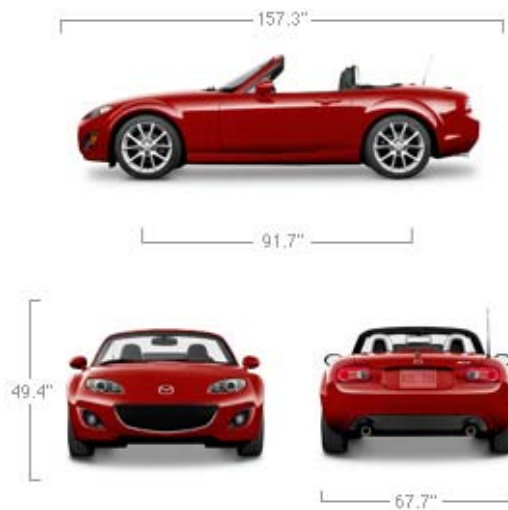


# 2010 MX-5 Miata

## 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\*\*\*

| 2010 MX-5 Miata                    | Sport   | Touring | Grand Touring |
|------------------------------------|---|---------|---------------|
| <b>Engine</b>                      |   |         |               |
| Engine type                        | MZR 2.0L DOHC 16-valve 4-cylinder engine with variable valve timing (VVT)             |         |               |
| <b>Horsepower</b>                  |   |         |               |
| - Manual transmission              | 167 hp @ 7000 rpm   |         |               |
| - Automatic transmission           | 158 hp @ 6700 rpm   |         |               |
| Torque                             | 140 lb-ft @ 5000 rpm  |         |               |
| <b>Redline</b>                     |   |         |               |
| - 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                        | Multiport electronic fuel injection with tuned air intake                             |         |               |
| Recommended fuel                   | Premium unleaded  |         |               |
| Ignition system                    | Coil on plug  |         |               |
| Valve train                        | 4 valves per cylinder, variable valve timing (VVT) with timing-chain-driven camshafts |         |               |
| 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>Fuel Economy</b>                |   |         |               |
| Manual transmission (city/hwy)‡    | 22/28   | 21/28   | 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 | 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 limit-slip (manual transmission only)  |  |  |
| <b>Gear Ratios (:1)</b>                    | 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   |
| <b>Chassis</b>                             |   |  |  |
| 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                                    | 11.4-inch vented disc   |  |  |
| - Rear                                     | 11.0-inch solid disc with aluminum brake calipers   |  |  |
| 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                                    | Double wishbone, coil springs and stabilizer bar  |  |  |
| - Rear                                     | Multilink, coil springs and stabilizer bar  |  |  |
| - Stabilizer bar (front)                   | Hollow  |  |  |
| - Stabilizer bar (rear)                    | Solid   |  |  |
| - Springs                                  | Available sport-tuned coil springs  |  |  |
| - Front strut tower brace                  | --  | Standard                                     | Standard                                     |
| Shock absorbers                            | Gas-filled, double acting; available Bilstein®  |  |  |
| Wheel size (in)                            | 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        | P205/45R17 W-speed-rated radial tires        |
| <b>Weights &amp; Capacities</b>            |   |  |  |
| Curb weight (lbs)**                        |   |  |  |
| - MT                                       | 2480  | 2511   | 2511   |
| - AT                                       | 2542  |  |  |
| Weight distribution (front/rear)           | 52/48   |  |  |
| Fuel capacity (gallons)                    | 12.7  |  |  |

# 2010 MX-5 Miata



## Exterior

S standard 
 □ option 
 -- not available

| 2010 MX-5 Miata   | Sport | Touring | Grand Touring |
|---|-------|---------|---------------|
| <b>Body</b>   |       |         |               |
| Halogen headlights with projector-type low beams  | S     | S       | S             |
| Xenon High-Intensity-Discharge (HID) low-beam headlights  | --    | --      | □             |
| Halogen fog lights  | □**** | S       | S             |
| Body-color front and rear bumpers   | S     | S       | S             |
| Chrome grille surround  | --    | S       | S             |
| Lightweight aluminum-alloy hood and trunk lid   | S     | S       | S             |
| 2-speed fixed-intermittent windshield wipers  | S     | S       | S             |
| Dual body-color power remote outside mirrors  | S     | S       | S             |
| Body-color door handles   | S     | S       | S             |
| Black vinyl convertible top   | S     | S       | --            |
| Black or Beige cloth convertible top  | --    | --      | 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             |
| <b>Wheels &amp; Tires</b>   |       |         |               |
| 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             |
| Run-flat tires (does not include tire puncture repair kit)  | --    | --      | □             |
| <b>Exterior Dimensions</b>  |       |         |               |
| Wheelbase (in)  | 91.7  | 91.7    | 91.7          |
| Track, front (in)   | 58.7  | 58.7    | 58.7          |
| Track, rear (in)  | 58.9  | 58.9    | 58.9          |
| Length (in)   | 157.3 | 157.3   | 157.3         |
| Width (in)  | 67.7  | 67.7    | 67.7          |
| Height (in)   | 49.0  | 49.0    | 49.0          |
| Minimum ground clearance, laden (in)  | 4.6   | 4.6     | 4.6           |

# 2010 MX-5 Miata



## Interior

standard option not available

| 2010 MX-5 Miata                                      | Sport | Touring | Grand Touring |
|--|-------|---------|---------------|
| <b>Comfort &amp; Convenience</b>                     |       |         |               |
| 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                                 |       |         |               |
| <b>Storage</b>                                       |       |         |               |
| 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                     |       |         |               |
| <b>Seating &amp; Trim</b>                            |       |         |               |
| 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   | □**** | \$   | \$   |
| <b>Audio</b>   |       |      |      |
| 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-sensing automatic level control  | \$    | \$   | --   |
| Bluetooth® hands-free phone and audio capability††   | --    | --   | □    |
| Auxiliary-audio input jack   | \$    | \$   | \$   |
| SIRIUS Satellite Radio with free 6-month subscription  | --    | --   | □    |
| <b>Instrumentation</b>   |       |      |      |
| Speedometer, tachometer, oil pressure, coolant temperature and fuel gauge                          | \$    | \$   | \$   |
| Black face, silver trim with white lettering (red illumination)                                    | \$    | \$   | \$   |
| Trip computer  | □**** | \$   | \$   |
| <b>Interior Dimensions &amp; Capacities</b>  |       |      |      |
| Headroom (in)  | 37.4  | 37.4 | 37.4 |
| Shoulder room (in)   | 53.2  | 53.2 | 53.2 |
| Hip room (in)  | 50.6  | 50.6 | 50.6 |
| Legroom (in)   | 43.1  | 43.1 | 43.1 |
| Cargo volume (cu ft)   | 5.3   | 5.3  | 5.3  |

# 2010 MX-5 Miata



## Safety

■ standard  
 ■ option  
 -- not available

| 2010 MX-5 Miata   | Sport | Touring | Grand Touring |
|---|-------|---------|---------------|
| Dual front air bags*** with passenger-side deactivation switch  | ■     | ■       | ■             |
| Side-impact air bags***   | ■     | ■       | ■             |
| 3-point seat belts with pretensioners and force limiters  | ■     | ■       | ■             |
| Seat-belt pretensioners with 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   | ■     | ■       | ■             |
| Keyless remote panic button feature (on key fob)  | ■**** | ■       | ■             |
| Engine-immobilizer anti-theft system  | ■     | ■       | ■             |
| Anti-theft alarm system   | --    | --      | ■             |
| 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)  | --    | --      | ■             |
| Tire-Pressure Monitoring System (TPMS)  | ■     | ■       | ■             |

# 2010 MX-5 Miata



## Options & Packages

standard option not available

| 2010 MX-5 Miata  | Sport | Touring | Grand Touring |
|--|-------|---------|---------------|
| <b>Convenience Package</b> <ul style="list-style-type: none"> <li>- Fog lights</li> <li>- Remote keyless entry and retractable key</li> <li>- Power door locks</li> <li>- Cruise control</li> <li>- Steering-wheel-mounted audio and cruise controls</li> <li>- One-touch-down passenger window</li> <li>- Trip computer</li> <li>- Silver seatback bars</li> </ul>  | ****  |         |               |
| <b>Suspension Package</b> <ul style="list-style-type: none"> <li>- Sport-tuned suspension</li> <li>- Bilstein® shock absorbers</li> <li>- Limited-slip differential (manual transmission only)</li> </ul>  | --    |         |               |
| <b>Premium Package</b> <ul style="list-style-type: none"> <li>- Xenon High-Intensity-Discharge (HID) low-beam headlights</li> <li>- Mazda Advanced Keyless Entry &amp; Start System</li> <li>- Bluetooth® hands-free phone capability††</li> <li>- SIRIUS Satellite Radio with free 6-month subscription</li> <li>- Dynamic Stability Control (DSC)††† and Traction Control System (TCS)</li> <li>- Antitheft alarm</li> </ul> | --    | --      |               |
| <b>Run-flat tires</b>  | --    | --      |               |
| <b>Audio</b>   |       |         |               |
| In-Dash 6-disc CD/MP3-compatible changer   | --    | --      | --            |
| SIRIUS Satellite Radio with free 6-month subscription  |       |         | †††           |
| <b>Exterior</b>  |       |         |               |
| <b>Appearance Package</b> (not available with splash guards) <ul style="list-style-type: none"> <li>- Front air dam</li> <li>- Side sill skirts</li> <li>- Rear under skirt</li> </ul>   |       |         |               |
| Door edge guards   |       |         |               |
| Chrome fuel-filler door  |       |         |               |
| Splash guards front and rear (not available with Appearance Pkg)   |       |         |               |
| Rear spoiler   |       |         |               |
| Wheel locks  |       |         |               |
| <b>Interior</b>  |       |         |               |
| <b>Interior Trim Package</b> <ul style="list-style-type: none"> <li>- Instrument panel decorative trim panel (brushed aluminum look)</li> <li>- Door switch panel (brushed aluminum)</li> </ul>  | ****  |         |               |

|   |       |   |      |
|---|-------|---|------|
| look)<br>- Gear shift knob (leather/aluminum) |       |   |      |
| Floor mats - Carpet                           | ☐     | ☐ | ☐    |
| Floor mats - All-weather                      | ☐     | ☐ | ☐    |
| Cargo net                                     | ☐     | ☐ | ☐    |
| Antitheft 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](http://www.MazdaUSA.com/bluetooth) for device compatibility.

\*\*\* 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 on MX-5 Sport with 5-speed manual transmission. Standard on MX-5 Sport with 6-speed Sport automatic transmission.