

1997 MAZDA MX-5
MIATA ROADSTER



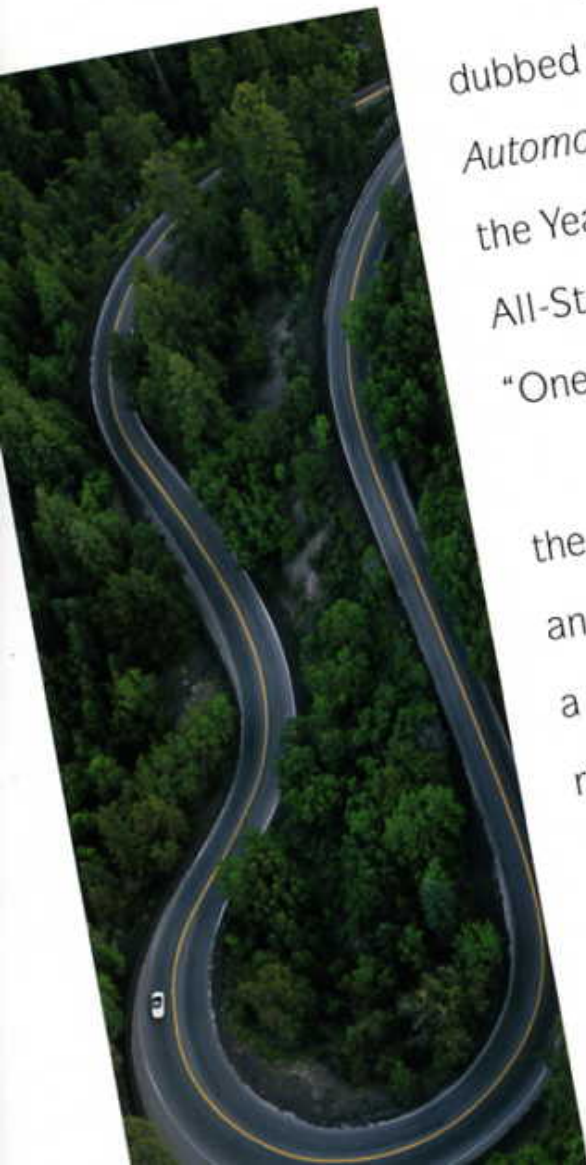
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With just a few quick flicks of the gearshift along a twisty back road, Mazda returns you to the days of the classic British roadsters of the '50s and '60s. Yet the MX-5 Miata moves you forward with the technology and reliability of the '90s. Dual-overhead-cam engine, 4-wheel independent suspension, and the slickest transmission this side of a formula racer.

This is a ragtop so perfectly executed, it's been dubbed "One of the best cars a person could ever own."* *Automobile Magazine* honored the Miata as "Car of the Year" upon its introduction and has named it an All-Star every year since.† *Road & Track* has called it "One of the Best-Handling Sports Cars in America."‡

There's no better expression of passion for the road. The Mazda Miata single-handedly revived and reinvented the roadster. More than a car, it's a phenomenon—and one of the most exhilarating rides of our day.

MAZDA / **PASSION FOR THE ROAD.**



THE RIDE OF THE DECADE.



THE BEST-SELLING SPORTS CAR IN THE WORLD.

We designed the Mazda Miata from the ground up to be a roadster, with the traditional front engine/rear-drive configuration favored by sports-car purists. Agile, light and supremely responsive, the Miata also feels very solid on the road. Its body structure is exceptionally strong and rigid; we adapted design elements of exotic sports cars and employed a wide array of computer-aided design and manufacturing technology to reach the performance goals.

Even the smallest details received extraordinary attention. Engine sounds are an important part of the sports-car experience, especially in an open car. So we evaluated over 100 tape recordings of exhaust notes to ensure the ideal throaty resonance. In designing the cockpit, we even explored how it feels to drive with your elbow out the window.

The Miata is not only a great sports car, it's a great value. Of course, it's well equipped. But put in the simplest terms, no car anywhere near its price range offers such a direct connection to the road. For that matter, few other cars at any price will give you this kind of driving fun.



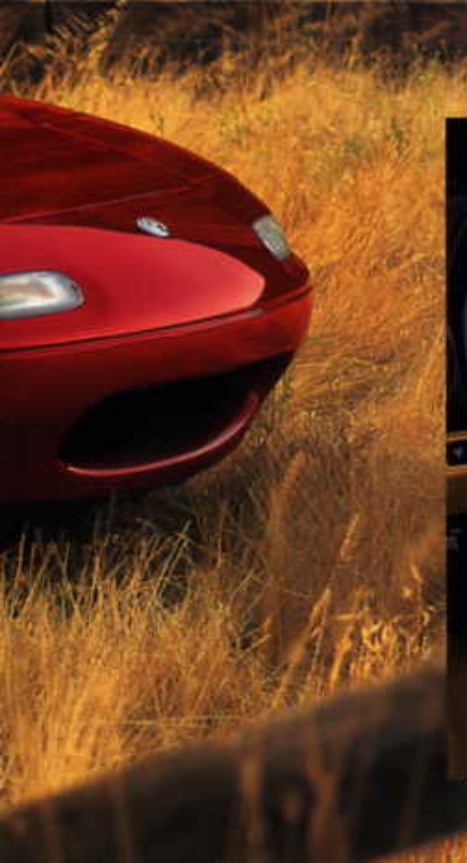




▲ **A jewel of an engine.**

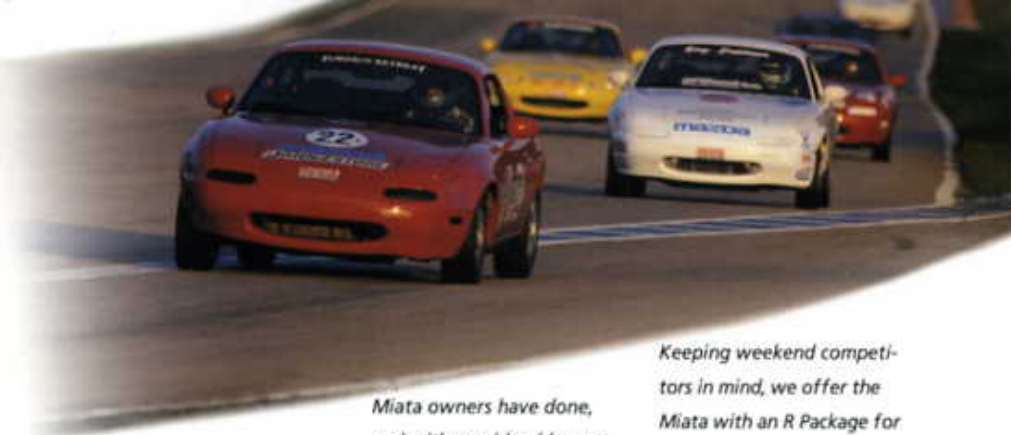
A 16-valve, 1.8-liter, dual-overhead-cam engine puts heart and soul into the Miata. While its 133 horsepower gives you brisk and satisfying performance, horsepower itself is only part of the Miata magic. Throttle response is so quick that winding it out is a visceral pleasure—the car practically comes alive in your hands. To achieve this character, we adapted racing

technology, specifically in the induction and exhaust tuning, and also paid special attention to reducing friction and inertia. The 5-speed manual transmission complements the engine to an unusual degree. Closely spaced ratios make smooth acceleration through the gears a snap. Shifting is literally a flick of the wrist—the throws are less than two inches.



◀ **Where the fun really begins.**

Sit in a Miata once and you'll feel as if you've always belonged there—that's how just right the design is. Very clean and uncluttered, the dash layout nevertheless includes complete instrumentation, analog gauges that you can comprehend without taking your eyes off the road. Even the stereo controls follow this straightforward theme.



▲ **Park a champion in your driveway.** What would be more natural for a sports car than to take it racing? That's what many

Miata owners have done, and with considerable success. Miata has taken 3 SCCA championships in the Showroom Stock C class.

Keeping weekend competitors in mind, we offer the Miata with an R Package for an even purer sports-car feel.



▲ **A rigid attitude towards performance.** Our engineers studied the technology of some of the world's most exotic sports cars to create a lightweight subframe called the Power Plant Frame (PPF). The PPF

locks engine, transmission and differential into a rigid, seamless unit to prevent drivetrain vibration, shudder and slack; you get an exceptional "toe-to-road" feel. Potent stopping

power comes from power-assisted 4-wheel disc brakes. The front discs are ventilated for extra resistance to fade. Anti-lock brakes, for surer and straighter stops (ABS) are an option.

ACCESSORIES

► **Compact Disc Player.** Integrates perfectly with the standard Miata stereo system to give you the great sound and convenience of CDs.

► **Rear Spoiler.** Adds a subtle racing flair to your Miata; a good complement to the classic styling. Wing spoiler also available.

► **Front Mask.** Custom-tailored, heavy-duty vinyl cover with soft backing helps protect the front end from road debris. Designed to allow the headlights to operate and hood to open without interference.

► **To fully appreciate Miata, come closer.** Good as it is right out of the box, the Miata has many options that make it even more fun to own and drive. The Leather Package shown here includes tan leather seating surfaces,* leather-wrapped steering wheel, cruise control, power antenna, Torsen® limited-slip differential, and more. Some other options for your Miata include air conditioning, a removable hardtop with rear-window defogger, Mazda Premium Sound System with CD and a 4-speed automatic transmission.

*Seating surfaces upholstered in leather except for vinyl on seat side panels, rear sides of seat-backs, and other minor areas.



SPECIFICATIONS & FEATURES

ENGINE

Type	Inline 4-cylinder
Valve gear	DOHC 16-valve
Displacement	1.8 liters (1839 cc)
Bore and stroke	3.27 x 3.35 inches
Compression ratio	9.0:1
Horsepower, SAE net	133 @ 6500 rpm
Torque, SAE net lb-ft	114 @ 5500 rpm
Fuel system	Multipoint electronic fuel injection
Ignition system	Distributorless electronic

DRIVETRAIN

Type	Front engine, rear-wheel drive
Transmission	5-speed manual with overdrive 4-speed electronically controlled automatic with overdrive, lockup torque converter and Hold mode (optional)

CHASSIS

Frame	Unit body with Power Plant Frame
Suspension	Fully independent, double-wishbone type with coil springs, gas-filled shock absorbers and front and rear stabilizer bars
Steering	Rack-and-pinion; engine-rpm-sensing variable power assist (optional); steering ratio: 18:1 (15:1 with power assist); steering wheel turns, lock-to-lock: 3.3 (2.8 power assist); turning circle diameter, curb-to-curb: 30.0 feet
Brakes	Power assisted with dual diagonal hydraulic circuits, 10.0-inch ventilated front discs and 9.9-inch rear discs; Anti-lock Brake System (ABS) (optional) ¹
Tires	P185/60R14 82H radials
Fuel capacity	12.7 gallons
Curb weight	2293 lb 2359 lb (automatic transmission)

DIMENSIONS (inches)

Wheelbase	89.2
Length	155.4
Width	65.9
Height	48.2
Track: front/rear	55.5/56.2
Headroom	37.1
Legroom	42.7
Shoulder room	50.4

EPA MILEAGE ESTIMATES (mpg)

Manual transmission	23 city, 29 highway
Automatic transmission	22 city, 28 highway

STANDARD FEATURES

Dual air bag Supplemental Restraint System (SRS)*
Sport-tuned exhaust system with stainless steel tubular header
Power-assisted 4-wheel disc brakes
14-inch styled steel wheels with center caps
Dual body-color mirrors
2-speed windshield wipers with intermittent and one-wipe features
Lockable glove box
Resettable trip odometer
Black cloth upholstery
Full center console w/lockable storage, plus removable dual cup holder
Remote fuel-door and trunk releases
AM/FM/cassette stereo with integral digital clock

OPTION PACKAGES

Power Steering Package: Power steering and wheel trim rings¹

Touring Package: Power steering, leather-wrapped steering wheel, power windows, power mirrors, aluminum alloy wheels with locks and door map pockets¹

Popular Equipment Package: Touring Package items plus Torsen® limited-slip rear differential (manual transmission only), rear subframe brace rods, head-restraint speakers, cruise control, and automatic power antenna

Leather Package: Popular Equipment Package items, plus tan interior with leather seating surfaces¹ and tan vinyl top

R Package: (requires manual transmission) Sport suspension with Bilstein shock absorbers, rear spoiler, front air dam, rear skirt, alloy wheels with locks, Torsen® limited-slip differential and rear subframe brace rods

OPTIONAL FEATURES

Anti-lock Brake System (ABS)¹
Automatic transmission²
Removable hardtop with rear window defogger³
Air conditioning
Mazda Premium Sound System (MPSS) with compact disc player⁴

WARRANTY

The Mazda 36-month/50,000-mile, "bumper-to-bumper" limited warranty. Mazda warrants that the Mazda vehicle will be free of defects with normal use and prescribed maintenance for 36 months or 50,000 miles, whichever comes first, or Mazda will repair any problem without charge. Ordinary maintenance items or adjustments, parts subject to normal wear and replacement and certain other items are excluded. This transferable "limited warranty" is free on all new 1997 Mazda vehicles sold and serviced in the United States. See your Mazda Dealer for details.

Complement your new-vehicle limited warranty with the Mazda Extended Protection Plan, the only service agreement backed by Mazda. Ask your dealer for details.

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*A child in a rear-facing child restraint can be badly injured by the passenger air bag if it inflates. Never use a rear-facing child restraint in this vehicle. For special instructions on other child restraints, please review the owner's manual. ¹N/A with hardtop, MPSS, or ABS. ²Seating surfaces upholstered in leather except for vinyl on seat side panels, rear sides of seatbacks, and other minor areas. ³Requires Popular Equipment or Leather Package, plus MPSS. ⁴Requires option package (N/A with R Package). ⁵With manual transmission, requires Popular Equipment or Leather Package; N/A with MPSS or ABS. With automatic transmission, requires Leather Package, MPSS and ABS. ⁶Requires Popular Equipment or Leather Package

MAZDA

PASSION FOR THE ROAD™

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