

2005 MAZDASPEED MX-5 MIATA / MECHANICAL FEATURES

MAZDASPEED
MX-5 MIATA

❖ ENGINE	
1.8-liter DOHC 16-valve inline-4	■
IHI single-scroll turbocharger with 8.5 psig boost	■
Denso air-to-air intercooler	■
Eurospec fresh air duct	■
Variable intake control system	■
❖ EXHAUST	
Enhanced exhaust sound and pre-silencer capacity with large exhaust tip	■
❖ DRIVETRAIN	
Rear-wheel drive	■
6-speed manual overdrive transmission	■
Short-throw shifter and gear shot-peening treatment	■
Bosch torque sensing limited-slip rear differential	■
Power Plant Frame (PPF)	■
❖ STEERING	
Rack and pinion	■
Engine-speed-sensing variable power assist	■
Optimized steering rack stroke (reduced from 60.5mm to 53.2mm)	■
❖ FRONT SUSPENSION	
Independent double-wishbone	■
Gas-filled Bilstein® shock absorbers with revised valving	■
MAZDASPEED tuning	■
23mm red-painted stabilizer bar	■
Silver painted front suspension tower brace	■
❖ REAR SUSPENSION	
Independent double-wishbone suspension	■
Gas-filled Bilstein® shock absorbers with revised valving	■
MAZDASPEED tuning	■
14mm red-painted stabilizer bar	■
❖ BRAKES	
Power-assisted 4-wheel ventilated disc brakes	■
Silver-colored brake calipers	■
Anti-lock Brake System with EBD (ABS)	■

■ = Standard P = Package Option O = Option A = Dealer-Installed Accessory

Bold items are unique to the MAZDASPEED MX-5 within the Miata lineup

2005 MAZDASPEED MX-5 MIATA / EXTERIOR FEATURES

MAZDASPEED
MX-5 MIATA

✦ BODY TYPE

2-door convertible roadster

■

✦ STYLING

Red wrinkle finish on valve cover with turbo logo

■

Anodized aluminum oil cap with MAZDASPEED logo

■

Front under spoiler

■

Rear deck spoiler

■

Rear under spoiler

■

Black vinyl convertible top

■

Black cloth convertible top

P

Glass rear window

■

Vinyl boot cover

■

Windblocker[®] antidraft panel with integral storage pouch

■

Body-color fuel door

■

✦ WHEELS

17-inch Racing Hart[®] alloy wheels

■

Alloy wheel locks

■

✦ TIRES

Toyo Proxes R28 205/40R17 80W rated tires

■

Temporary spare tire

■

✦ LIGHTING

Smoke finish headlamps

■

Projector-type low beam headlights

■

Halogen fog lights

■

✦ WINDOWS / MIRRORS

2-speed fixed-intermittent windshield wipers

■

Solar-control tinted windshield with sunshade

■

Body-color dual power remote mirrors

■

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2005 MAZDASPEED MX-5 MIATA / INTERIOR FEATURES

MAZDASPEED
MX-5 MIATA

TRIM

Black cloth-trimmed upholstery	■
Black leather-trimmed upholstery with red or silver stitching	P
Leather-wrapped 3-spoke steering wheel with red or silver stitching	■
Black leather-wrapped shift knob with red or silver stitching	■
Leather-wrapped parking brake handle with red or silver stitching	■
Center panel with unique curl-fit finish	■
Shift plate bezel with unique curl-fit finish	■
Carpeted floor mats with MAZDASPEED logo	■
Alloy foot pedals and driver's alloy foot rest with MAZDASPEED logo	■
Stainless steel scuff plates with MAZDASPEED logo	■
Body colored rear view mirror cap with MAZDASPEED logo	■
Silver-finish interior door handles	■
Silver-finish air vent bezels	■
Map pockets on front doors	■
Silver-finish HVAC controls	■
Silver-finish meter rings	■
Silver-finish parking brake button	■
Slam lock	■

SEATING

Reclining front bucket seats	■
Integrated head restraints for front outboard seating positions	■
Storage pocket on front passenger's seatback	■

AUDIO / ENTERTAINMENT SYSTEMS

Bose® 6-speaker AM/FM/CD-changer sound system including separate tweeters	■
In-dash 6-CD changer with amber illumination	■
Digital clock	■
Speed-sensing automatic volume control	■
In-dash full-logic auto-reverse cassette player	O / A
In-dash MiniDisc player with amber illumination	A
Power radio antenna	■

CLIMATE CONTROL

Heater/defroster with 4-speed blower	■
CFC-free air conditioning	■
Rear window defogger	■
Front side-window demisters	■

INSTRUMENT PANEL

12-volt power outlet	■
Cigarette lighter	■
Ash tray	■

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2005 MAZDASPEED MX-5 MIATA / INTERIOR FEATURES CONTINUED

MAZDASPEED
MX-5 MIATA

GAUGES & WARNING LIGHTS

Silver instrument panel meter gauges with MAZDASPEED logo	■
Gauges: Tachometer, 140 mph speedometer, odometer, dual trip odometers, water temp., oil pressure	■
Warning lamps: parking brake, high-beam, check engine, oil pressure, battery charge, seatbelts, airbags, fuel	■
Red nighttime gauge illumination	■

COMFORT / CONVENIENCE

Power windows with driver's one-touch-down feature	■
Power door locks	■
Remote keyless illuminated entry system with retractable key	■
Remote releases for trunk-lid, fuel-door, and hood	■
Windblocker [®] antidraft panel with integral pouch	■
Lockable center console with storage	■
Dual covered front cup holders	■
Day/night rearview mirror	■
Dual visor vanity mirrors	■
Locking glove compartment	■

LIGHTING

Trunk light	■
Courtesy dome light on windshield header	■

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2005 MAZDASPEED MX-5 MIATA / SAFETY FEATURES

MAZDASPEED
MX-5 MIATA

SAFETY

5-mph bumpers	■
Side-impact door beams	■
Dual second-generation front air bags supplemental restraint system*	■
Passenger-side air bag deactivation switch	■
Child seat anchor	■
High-mount stop lamp	■
Front 3-point safety-belt with pretensioners and force limiters	■

SECURITY

Engine immobilizer security system	■
Internal trunk release system	■
Keyless remote with panic feature	■

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2005 MAZDASPEED MX-5 MIATA / OPTIONS

MAZDASPEED
MX-5 MIATA

GRAND TOURING PACKAGE

- Black leather bucket seats with red or silver stitching
- Black cloth soft top

O

STAND-ALONE OPTIONS & ACCESSORIES

Headlamp taillamp and bezels	O / A
Body-color door edge guards	O / A
Chrome-plated fuel door	O / A
Cargo net	O / A
Antitheft perimeter alarm	O / A
Cassette Player	O / A
CD/MP3 Player	A
MiniDisc Player	A
PhatNoise [®] Car Audio System	A
SIRIUS [®] Satellite Radio Receiver Kit	A
Black soft tonneau cockpit cover	A
Detachable body-color hardtop with rear window	A
Car cover	A
Car-cover cable lock	A
Front splash guards	A
Windshield sunshield	A
First Aid kit	A
Foot lamp	A
Exterior-color touch-up paint	A
Side sills (small)	A

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2005 MAZDASPEEDMX-5 MIATA / COLORS

INTERIOR

BLACK CLOTH
(ND8)

BLACK LEATHER
w/ RED STITCHING*
(ND2)

BLACK LEATHER
w/ SILVER STITCHING*
(NE5)

EXTERIOR

Code	Color			
27A	Velocity Red Mica	■	■	
29Y	Titanium Gray Metallic	■	■	
16W	Black Mica	■	■	
27Y	Lava Orange Mica	■		■

■ = Applies

* Available only with optional Grand Touring Package

2005 MAZDASPEED MX-5 MIATA / SPECIFICATIONS

MAZDASPEED
MX-5 MIATA

ENGINE & ELECTRICAL

Engine type	1.8-liter DOHC IHI Turbo Charged inline-4
Horsepower, SAE net	178 @ 6000
Torque, SAE net	166 @ 4500
Redline	6,500 RPM
Displacement (cc)	1,839
Bore x stroke (mm / in)	83 x 85 / 3.27 X 3.35
Compression ratio	9.5:1
Fuel system	Multi-port electronic fuel injection
Minimum fuel requirement	Premium unleaded, 91 octane or greater
Valvetrain	4 valves per cylinder
Engine block	Iron
Cylinder heads	Aluminum alloy
Emission control	Catalyst
Ignition system	Distributorless electronic
Alternator	12V-80A
Battery	Maintenance-free, 12V-32AH / 5HR
Starter	12V-1.0 kW
Spark-plug number (NGK / DENSO)	Denso iridium
Spark-plug gap (mm)	0.8

DRIVETRAIN

Type	Rear wheel drive
Transmission	6MT
Ratios (:1)	
1st	3.760
2nd	2.269
3rd	1.645
4th	1.258
5th	1.000
6th	0.843
Reverse	3.564
Final Drive	4.100

CHASSIS

Body Type	Monocoque
Rear suspension	Independent Double Wishbone w/ 37.7 N/mm coil springs, 23 mm stabilizer bar
Front suspension	Independent Double Wishbone w/ 27.6 N/mm coil springs, 14 mm stabilizer bar
Shock Absorbers	Bilstein gas filled
Steering type	Rack-and-pinion
Power assist	Engine-rpm sensing variable power assist
Steering wheel turns lock-to-lock	2.3
Turning circle, curb-to-curb	34.2 ft.
Braking system	Power assist w/dual diagonal hydraulic circuits with ABS

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2005 MAZDASPEED MX-5 MIATA / SPECIFICATIONS

MAZDASPEED
MX-5 MIATA

CONTINUED

CHASSIS (continued)

Brake discs	Front	Ventilated: 10.6 inch
	Rear	Solid: 10.9 inch
Parking brake		Mechanical on rear wheels
Anti-Lock Braking System		Standard
Wheels		17 x 7J Racing Hart aluminum alloy wheels
Tires		Toyo Proxes R28 205/40R17 80W
Tire inflation pressures F/R		29 psi / 32 psi
Temporary spare wheel		T105/70 D15
Temporary spare tire pressure		60 psi
Curb weight lb.		2,529
GVWR weight lb. with AC		2948

CAPACITIES

Crankcase		4 qt
Coolant		6.2 L
Fuel Capacity		12.7 gal.
EPA Passenger Volume (cu. ft.)		46.0
EPA Cargo Volume (cu. ft.)		5.1
EPA Total Volume: Cargo volume + passenger volume (cu. Ft.)		51.1
EPA Vehicle Size Category		Two-seater

FUEL ECONOMY (estimated)

EPA Mileage, City/Highway		20/26
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EXTERIOR DIMENSIONS (All dimensions in inches unless otherwise specified)

Wheelbase		89.2
Track	Front	55.7
	Rear	56.7
Length		155.7
Width		66.1
Height		48.0
Minimum ground clearance (laden)		4.0
Weight distribution % front/rear		52 / 48
Coefficient of Drag (Cd)		0.375
Bumpers, front/rear mph crash test		5 mph

INTERIOR DIMENSIONS (inches)

Head room		37.1
Leg room		42.8
Shoulder room		49.7
Hip room		49.2

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