

2005 MAZDASPEED MX-5 MIATA TECHNICAL SPECIFICATIONS

The Mazda Miata was named the first-ever “Automobile of the Year” by *Automobile* magazine in 1990. Since then, it has been on *Automobile* magazine’s “All-Stars” list 11 times, a *Sport Compact Car* “Eight Great Rides” in 2002, and named “Consumers’ Most Wanted” – Convertible by Edmunds.com in 2003, so it seemed only natural to deliver a MAZDASPEED version of this venerable vehicle. Launched in 2004, the MAZDASPEED MX-5 Miata is the ultimate Miata. “Rarely does a new car generate this kind of excitement, but editors actually formed a line to drive this scrappy roadster around the block,” said Douglas Kott of *Road & Track*.

Factory-fitted with a single scroll turbocharger with 8.5 psi maximum boost, the 2005 MAZDASPEED MX-5 Miata produces 178 horsepower and 166 lb-ft of torque, 25 and 33 percent more respectively than the normally aspirated 2005 Miata. Miata’s already taught suspension is further enhanced by larger front and rear stabilizer bars, increased spring rates, tuned Bilstein shocks, lowered ride height and engine and drive mounts tuned for increased torque. The six-speed manual transmission has improved gear durability through shot peening treatment.

New for 2005 on the MAZDASPEED MX-5 Miata are redesigned 17-inch Racing Hart alloy wheels with Toyo Proxes R28 tires. In addition to the carryover colors of Velocity Red and Titanium Gray Metallic, MAZDASPEED MX-5 Miata adds Lava Orange Mica and Black Mica to the palette.

Engine	
Type	1.8L DOHC 16-valve turbocharged 4-cylinder with modified head and camshaft
Displacement (cu in/cc)	112.2/1839
Bore x Stroke (in)	3.27 x 3.35
Compression Ratio	9.5:1
Output (SAE net)	178 hp @ 6000 rpm
Torque (SAE net)	166 lb-ft @ 4500 rpm
Redline	6500 rpm

Transmission			
Type	Rear-wheel drive		
Transmission		6MT	
Gear Ratios :1			
First		3.76	
Second		2.27	
Third		1.65	
Fourth		1.26	
Fifth		1.00	
Sixth		0.84	
Final Drive		4.10	

Suspension	
Front/Rear	Independent double wishbone w/coil springs (37.7 N/mm front, 27.6 N/mm rear), front and rear stabilizer bars (23mm front, 14mm rear)

Steering and Brakes		
Steering Type	Power assisted rack-and-pinion	
Turning Diameter (ft)	34.2	
Turns to Lock	2.3	
Brakes		Power assist w/dual diagonal hydraulic circuits, 4-wheel ABS standard
	Front	10.6-inch ventilated discs
	Rear	10.9-inch solid discs

Tires and Wheels	
Tires	Toyo Proxes R28 P205/40R-17 80W high-performance uni-directional
Wheels	17 x 7 Racing Hart aluminum alloy

Dimensions	
	Inches (mm)
Length	155.7 (3955)
Width	66.1 (1679)
Height	48.0 (1219)
Wheelbase	89.2 (2266)
Minimal Ground Clearance	4.0 (102)
Track	Front 55.7 (1415)
	Rear 56.7 (1440)
Head Room	37.1 (942)
Leg Room	42.8 (1086)
Shoulder Room	49.7 (1262)
EPA Passenger Volume (cu ft)	46.0
EPA Cargo Volume (cu ft)	5.1

Capacities	
Fuel Capacity (gal)	12.7
Cooling System (qt)	6.6
Crankcase (qt)	4.0

Curb Weight		
Transmission	Lb.	
Manual	2529 6MT	
Gross Vehicle Weight Rating	2948 6MT	
Weight Distribution % front/rear	52:48	

Fuel Economy	
City (mpg)	6MT: 20
Highway (mpg)	6MT: 26