2004 *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.

Fitted with a single scroll turbocharger with 8.5 psi maximum boost, the 2004 *MAZDASPEED* MX-5 Miata produces 178 horsepower and 166 lb-ft of torque, 25 and 33 percent more respectively than the normally aspirated 2004 Miata. A Denso tube-fin air-to-air intercooler helps cool the turbocharged powerplant, while piston shape modifications lower compression ratio from 10.0:1 to 9.5:1. The engine block is modified to accommodate the oil line for the turbocharger and the oil cooler plate gets two additional pieces, allowing more cooling capability.

Miata's already taught suspension is further enhanced by larger front and rear stabilizer bars, increased sprint 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, and a reduced steering rack stroke yields a quicker steering ratio.

The 2004 *MAZDASPEED* MX-5 Miata features redesigned 17-inch Racing Hart alloy wheels with Toyo Proxes R28 P205/40R-17 80W high-performance uni-directional tires. A 225-watt, six-speaker Bose® Audio system with six-disc CD changer and speed sensing automatic volume control is standard. Interior details include silver instrument panel gauges, aluminum foot pedals, floor mats, stainless steel scuff plates and body-colored rearview mirror all with the *MAZDASPEED* logo. The only option is the Grand Touring Package that comes with black leather bucket seats and a black soft top. *MAZDASPEED* MX-5 Miata comes in either Velocity Red Mica or Titanium Gray Metallic.

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 (1678)
Height		48.0 (1219)
Wheelbase		89.2 (2265)
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