

2003 MAZDASPEED® Protégé TECHNICAL SPECIFICATIONS

After last year's introduction of the highly acclaimed Mazda MP3, with its first-ever factory application of an MP3 audio player, Mazda engineers have turned up the heat and created an even more potent sport compact sedan: the turbocharged MAZDASPEED® Protégé.

Working in partnership with world-class automotive racecar engineering companies – such as Callaway Cars and Racing Beat – the 2003 MAZDASPEED Protégé is the best performing and handling Protégé to date. The MAZDASPEED Protégé receives the aggressive MP3 appearance package and adds turbocharged performance. The world-class chassis performance has been further enhanced with a limited-slip differential, low-profile Bridgestone tires, larger front stabilizer bar, tuned dampers, and a Euro-spec performance brake package. Unique exterior and interior colors plus a 450-watt MP3 audio system by Kenwood are added bonuses.

* specifications will be finalized in the near future

Engine

| | |
|----------------------------------|---|
| Type | 2.0L DOHC 16-valve in-Line 4-cylinder, turbocharged and intercooled |
| Turbocharger | Fully engineered boosting system powered by a Garrett T25 Ball Bearing Turbocharger |
| Intercooler | Factory air-to-air cooler air intake |
| Displacement (cc) | 1991 cc/121.4 cu. in. |
| Bore x Stroke (mm) | 83 x 92 mm/3.26 x 3.62 inch |
| Compression Ratio | 9.1:1 |
| Horsepower (SAE hp @ rpm) | 170@ 6000 rpm |
| Torque (SAE lb-ft @ rpm) | 160 lb-ft @3500 rpm |
| Emissions | T-LEV-B |
| Fuel | Premium Fuel Only |

Transmission

| Gear Ratios (:1) | 5-Speed Manual |
|-------------------------|-----------------------|
| First | 3.307 |
| Second | 1.842 |
| Third | 1.31 |
| Fourth | .97 |
| Fifth | .755 |
| Reverse | 3.166 |
| Final Drive | 4.105 |

Drivetrain

| | |
|---------------------------------|---|
| Limited Slip Differential (LSD) | Super LSD by Tochigi Fuji Sangyo KK, conical ring torque sensing type Torque Bias Ratio: 2.0 / Preset Torque 49 Nm |
| Heavy Duty Drive Shaft | Diameter increased to 24mm from 22 mm |
| Clutch | Factory heavy-duty clutch and pressure plate |

Suspension

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|--|--|
| Front Suspension | Independent MacPherson struts, strut tower brace, coil springs (spring rate 2.59 kg/mm), Tokico dampers, stabilizer bar (27mm), polyurethane stabilizer bar bushings |
| Rear Suspension | Independent strut type with Twin Trapezoidal Links (TTL), coil springs (spring rate 2.10 kg/mm) Tokico dampers, stabilizer bar (20 mm), rubber stabilizer bar bushings |
| Weight Distribution: Front / Rear | 63 / 37 – estimated |
| Weight Distribution: Left / Right | 52 / 48 – estimated |
| Curb Weight | 1279.5 kg / 2843 lbs. |

*Specifications will be finalized in the near future.

Steering

| | |
|-----------------------------|---|
| Steering Type | Power assisted rack-and-pinion / engine RPM sensing |
| Steering Torsion Bar | Steering stiffness: 18 kgf cm/degree |
| Steering Gear Ratio | 15.4:1 |
| Turning Diameter | 10.4m/34.1 ft |
| Turns to Lock | 2.7 |

Wheels & Tires

| | |
|-----------------------------|---|
| Tire and Tire Size | Bridgestone Potenza RE040 215/45ZR17 Z-rated directional tires |
| Wheel and Wheel Size | Custom MAZDASPEED 5-spoke by Racing Hart 17 x 7 Aluminum – Super Silver Finish |
| Tire Pressure | Front: 220 kpa/32 PSI Rear: 200 kpa/29 PSI |

Braking

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|------------------------------|--|
| Front (European Spec) | Euro-spec ventilated front disc (274mm / 10.8") and high-friction brake pads |
| Rear (European Spec) | Euro-spec solid rear disc, (280 mm / 11.0") and high friction brake pads |
| Master Vacuum Diaphragm | Tandem diaphragm cylinder diameter 7" + 9" |
| Anti-Lock Brake System (ABS) | 4-sensor, 3-channel with Electronic Brakeforce Distribution (EBD) |

Audio

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|------------------------------|---|
| Kenwood Stereo System | KDC-MP919 head unit (1 DIN) with liquid gel 3-D screen and MP3 / ID3 Capability; wireless remote control; and, rear glass antenna |
| Amplifier | Kenwood KAC-5295 with 450-watts maximum power (50w per channel x 4 and 250w x 1 power amp) (amplifier rear woofer + power amplifier rear package tray assembly) |
| 7-Speaker System | 7 speaker system (4 mid-base speakers, 2 tweeters, 1 subwoofer) |
| Front Speakers | 6 x 9 coaxial 2-way single 8" subwoofer, custom designed with heavy-duty magnets |
| Rear Speakers | 6" coaxial 2-way |
| Subwoofer | Single 8" subwoofer Note: 8" subwoofer with extra heavy-duty magnet design |

Dimensions

| | | (mm)/Inches |
|-------------------------------------|--------------|--------------------|
| Length | | 4434 mm / 174.6" |
| Width | | 1704 mm / 67.1" |
| Height | | 1410 mm / 55.5" |
| Wheelbase | | 2611 mm / 102.8" |
| Minimum Ground Clearance | | 140 mm / 5.5" |
| Track | Front | 1455 mm / 1460 mm |
| | Rear | 1453 mm / 1458 mm |
| Head Room (without moonroof) | Front / Rear | 998 mm / 949 mm |
| Leg Room | Front / Rear | 1073 mm / 900 mm |
| Shoulder Room | Front / Rear | 1370 mm / 1356 mm |

Fuel Economy

| | |
|---------|------------------------|
| Fuel | Premium Fuel Only |
| City | 11.9 L/100 km (target) |
| Highway | 9.3 L/100 km (target) |