2008 Mazda*6*

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2008 Mazda6 Specifications

Engine	**GS-I4, GT-I4**	**GS-V6, GT-V6**
Type	2.3L In-line 4-cylinder	3.0L V6
Valve gear	DOHC 16-valve	DOHC 24-valve
Displacement	2260 cc	2967 cc
Bore and stroke	87.5 x 94.0 mm	89.0 x 79.5 mm
Compression ratio	9.7: 1	10.0: 1
Horsepower SAE net	156 @ 6500 rpm	212 @ 6000 rpm
Torque, SAE net lb. ft.	154 @ 4000 rpm	197 @ 5000 rpm
Fuel system	Multi-port Electronic Fuel-Injection	Multi-port Electronic Fuel-Injection
Recommended fuel	Regular (unleaded)	Regular (unleaded)

Drivetrain

Type	Front engine/front drive
Transmission	5-Speed Manual
	5-Speed electronically controlled ***Sport*** mode AT w/overdrive optional on I4
	6-Speed electronically controlled ***Sport*** mode AT w/overdrive optional on V6

	I4		**V6**	
Transmission	**5MT**	**5AT *Sport***	**5MT**	**6AT *Sport***
Gear ratios: 1st	3.307	3.620	3.153	4.148
2nd	1.842	1.925	1.842	2.370
3rd	1.233	1.285	1.258	1.555
4th	0.970	0.933	0.947	1.154
5th	0.755	0.692	0.733	0.859
6th	-	-	-	0.685
Reverse	3.166	3.405	3.002	3.393
Final drive	4.388	3.863	4.133	3.464

Electrical System

Type	12 Volt
Battery	Maintenance free ; 50 amp/hr; 590 CCA
Alternator	I4 = 90 amp/hr, V6 = 110 amp/hr
Starter	1.4kW
Ignition system	Full transitor breakerless electronic

Chassis

Frame	Monocoque
Front suspension	Independent, high-mount double wishbone, coil springs and stabilizer bar
Rear suspension	Independent, E-type multi-link, coil springs and stabilizer bar
Steering	Rack & pinion type with engine-rpm-sensing variable power assist
Steering ratio	16.1 : 1
Steering wheel turns	2.54 (lock to lock)
Min. turning circle	11.8m (curb to curb)
Brakes	Power-assisted with dual diagonal hydraulic circuits.
	Anti-Lock Braking System standard on all trims
	299mm ventilated front discs
	280mm solid rear discs
Wheels	16" steel wheels standard on GS-I4
	17" alloy wheels standard on GT-I4 and GS-V6. Optional on GS-I4 w/ Sport Pkg with TPMS
	18" alloy wheels standard on GT-V6 with TPMS

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2008 Mazda6 Specifications

Chassis (cont'd)

Tires	205/60R16 all-season radials standard on GS-I4
	215/50R17 standard on GT-I4 and GS-V6. Optional on GS-I4 with Sport Package
	215/45R18 standard on GT-V6
Curb weight	I4: 1,387kg (MT); 1,421 kg (AT)
	V6: 1,504 kg (MT); 1,530 kg (AT)

Capacities

Seating	5
Fuel Tank	68L
Washer Fluid Tank	4.4L
Coolant Capacity	I4: 7.5L V6:10.2L

External Dimensions (mm)

Wheelbase	2,675
Track (fr/rr)	1,540 / 1,540 (205 tires)
	1,530 / 1,530 (215 tires)
Overall Length	4,745
Overall Width	1,780
Overall Height	1,440
Min. Ground Clearance Laden	130

Internal Dimensions (mm)

Headroom (Fr/Rr) w/o Moonroof	984 / 942
w/ Moonroof	966 / 942
Legroom (Fr/Rr)	1,074 / 927
Shoulder Room (Fr/Rr)	1,421 / 1,403
Passenger Volume	2,734L
Cargo Volume	429L
Total Volume	3,163L

Fuel Economy Ratings (L/100km)

	I4		**V6**	
	5MT	**5AT *Sport***	**5MT**	**6AT *Sport***
City	10.1	9.9	12.2	11.9
Highway	6.9	7.0	8.1	7.9

Performance Data

Weight Distribution (% fr/rr)	60:40

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2008 Mazda6				
EQUIPMENT AND FEATURES	**GS-I4**	**GT-I4**	**GS-V6**	**GT-V6**
Engineering Features				
2.3L DOHC 16-valve 4-cylinder engine with Variable Valve Timing (VVT)	S	S	-	-
3.0L DOHC 24-valve V6 engine with Variable Valve Timing	-	-	S	S
5-speed manual transmission	S	S	S	S
5-speed electronically-controlled ***Sport*** mode AT w/ overdrive	O	O	-	-
6-speed electronically-controlled ***Sport*** mode AT w/ overdrive	-	-	O	O
Rack-and-pinion steering w/ engine-speed-sensing variable power assist	S	S	S	S
Power-assisted four-wheel disc brakes	S	S	S	S
Anti-lock Brake System (ABS) with EBFD	S	S	S	S
Traction Control System (TCS)	S	S	S	S
Front double wishbone type suspension	S	S	S	S
E-type multi-link rear suspension with coil springs	S	S	S	S
Front and rear stabilizer bars	S	S	S	S
Front engine/front-wheel drive	S	S	S	S
Exterior Features				
205/60R16 all-season steel-belted radial tires	S	-	-	-
215/50R17 all-season steel-belted radial tires	SP	S	S	-
215/45R18 all-season steel-belted radial tires	-	-	-	S
16-inch steel wheels	S	-	-	-
17-inch alloy wheels with TPMS	SP	S	S	-
18-inch alloy wheels with TPMS	-	-	-	S
Temporary spare tire	S	S	S	S
Front mudguards	S	-	S	-
Body-colour protective bodyside mouldings	S	S	S	S
Body-colour bumpers and door handles	S	S	S	S
Body-colour rocker panel	S	S	S	S
Front and rear sport-type bumpers	S	S	S	S
Side sill extensions and body-colour front grille	-	S	-	S
Black mesh front grille with chrome trim bar	S	-	S	-
Dual body-colour power remote-control heated door mirrors	S	S	S	S
Green tinted glass	S	S	S	S
Variable intermittent windshield wipers	S	S	S	S
Halogen headlights	S	S	S	-
Xenon (HID) headlights	-	-	-	S
Black headlight housing	-	S	-	S
Automatic headlight shut off	S	S	S	S
Fog lights	SP	S	S	S
Sporty taillights	-	S	-	S
Sporty roof antenna	S	S	S	S
Dual exhaust mufflers with bright oval finishers	S	S	S	S

S = Standard O = Optional SP= Sport Package

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2008 Mazda6				
Equipment and Features	**GS-I4**	**GT-I4**	**GS-V6**	**GT-V6**
Interior Features: Seat and Trim				
Reclining front bucket seats with slide adjustment	S	-	-	-
Driver's manual seat lifter	S	-	-	-
8-way adjustable power driver's seat with manual lumbar support adj.	SP	S	S	S
Heated front seats	-	S	-	S
60/40 split folding rear seatback w/ centre armrest	S	S	S	S
Trunk-mounted rear seatback release levers	S	S	S	S
Custom floor mats	S	S	S	S
High grade cloth upholstery	S	-	S	-
Leather trimmed upholstery	-	S	-	S
Molded cloth door panel trim - front and rear	S	-	S	-
Synthetic leather door panel trim - front and rear (included w/ leather-trimmed seat upholstery)	-	S	-	S
Interior door handles – silver	S	S	S	S
3-spoke steering wheel	S	-	-	-
3-spoke steering wheel - leather-wrapped	SP	S	S	S
Tilt and telescopic steering wheel	S	S	S	S
Shift knob - leather-wrapped (M/T and A/T)	SP	S	S	S
Parking brake handle - leather-wrapped	SP	S	S	S
Power window switch panel – dark grey	S	S	S	S
Parking brake and AT shift knob buttons - silver	S	S	S	S
Centre instrument panel trim (audio, A/C panel) – dark grey	S	S	S	S
Instrument panel trim insert - color-keyed	S	-	S	-
Instrument panel trim insert - dark grey	-	S	-	S
Interior Features: Safety and security				
"Triple H" construction	S	S	S	S
Side-impact door beams – front and rear	S	S	S	S
Optimized brake and accelerator pedal layout (crushable box design)	S	S	S	S
Rear-door catch pins	S	S	S	S
Dual front air bags	S	S	S	S
Dual front side air bags	S	S	S	S
Dual side air curtains	S	S	S	S
Whiplash-reducing front seat headrests	S	S	S	S
Front safety-belt pretensioners with force limiters	S	S	S	S
3-point safety belts for all seating positions (2 front; 3 rear)	S	S	S	S
Height adjustable front shoulder belt "B" pillar anchors	S	S	S	S
Child-safety rear door locks	S	S	S	S
ISOFIX child safety-seat anchors in rear seat (upper and lower type)	S	S	S	S
Integrated child seat anchors	S	S	S	S
Internal trunk release	S	S	S	S
Engine immobilizer theft deterrent system	S	S	S	S
Anti-theft alarm system	-	S	-	S
Keyless remote panic button feature (key fob)	S	S	S	S
Trunk lid push-open cancel feature (glove box)	S	S	S	S

S = Standard O = Optional SP= Sport Package

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2008 Mazda6				
EQUIPMENT AND FEATURES	**GS-I4**	**GT-I4**	**GS-V6**	**GT-V6**
Interior Features: Comfort and Convenience				
AM/FM CD player, 4 speakers and 2 tweeters	S	-	S	-
AM/FM 6 disc in-dash CD changer, BOSE audio system, 4 speakers, 2 tweeters and subwoofer	-	S	-	S
Steering wheel-mounted audio controls	SP	S	S	S
Air conditioning	S	S	S	S
Micron air filter	S	S	S	S
Heater/defroster with multiple-speed fan, front side window demisters	S	S	S	S
Manual climate controls	S	-	S	-
Automatic climate controls	-	S	-	S
Rear window defroster with automatic shutoff	S	S	S	S
Rear seat heater ducts	S	S	S	S
Voice Activated Navigation system with retractable 7" display	-	-	-	NAV
Power-operated glass moonroof with interior sunshade, tilt-up ventilation feature with one-touch open feature	-	S	O	S
Power windows with driver/ front passenger's one-touch up and down feature	S	S	S	S
Remote keyless down function for front windows	S	S	S	S
Driver-side key cylinder open/close function for front windows	S	S	S	S
Power door locks w/ 2-stage unlocking - driver and passenger side switches	S	S	S	S
Keyless entry system with retractable key and trunk release (2 transmitters)	S	S	S	S
Electronic lockout protection	S	S	S	S
Internal fuel door, trunk-lid and hood release	S	S	S	S
Cruise control with steering wheel mounted controls	S	S	S	S
Homelink (integrated w/ auto dimming mirror)	-	S	-	S
Ignition key illumination	S	S	S	S
Front dual map lamps w/ sunglass holder	S	S	S	S
Rear overhead dual map lamps	S	S	S	S
Delayed courtesy lights (front and rear map lights, front door lights)	S	S	S	S
Cargo area light	S	S	S	S
Illuminated centre instrument panel controls (red) - audio, A/C	S	S	S	S
Driver & passenger sunvisors with illuminated vanity mirrors	S	S	S	S
Day/night rearview mirror	S	-	S	-
Delayed fade out on interior lights	S	S	S	S
Dual front and dual rear cup holders	S	S	S	S
Assist grips - retractable (3)	S	S	S	S
Coat hooks (2)	S	S	S	S

S = Standard O = Optional SP = Sport Package NAV = Navigation package

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2008 Mazda6				
EQUIPMENT AND FEATURES	GS-I4	GT-I4	GS-V6	GT-V6
Interior Features: Instrument panel				
Centre instrument panel display (clock, audio, A/C, outside ambient temp.)	S	S	S	S
Exterior temperature gauge	S	S	S	S
12-volt power outlets (2) - cigarette lighter and centre console storage compartment with retained power	S	S	S	S
Gauge illumination dimming control	S	S	S	S
Black gauges with white lettering and red night time illumination	S	-	S	-
Electroluminescent gauges with red night time illumination	-	S	-	S
Tachometer, engine coolant temperature gauge and fuel gauge	S	S	S	S
Twin trip odometers	S	S	S	S
Warning lights for low windshield washer fluid level, low fuel level, door ajar, check engine, oil pressure, volts, parking brake, high beam & safety belts	S	S	S	S
Interior Features: Storage				
Front door storage pockets with bottle holders	S	S	S	S
Driver-side seatback pocket	S	S	S	S
Coin holder with mat and lid - driver side	S	S	S	S
Centre dash panel storage compartment with mat and lid	S	S	S	S
Centre console armrest with covered dual storage compartments	S	S	S	S
Lockable, illuminated glove compartment	S	S	S	S

S = Standard O = Optional SP= Sport Package

2008 Mazda6 Equipment Walk

GS-I4

Includes:

5 Speed manual transmission
2.3L I4 Engine with 156 Horsepower and
154 lb-ft of Torque
AM/FM CD with 6 Speakers
4-wheel disc brakes
16" Steel wheels with 205/60R16 tires
Sporty bumpers
Dual oval chrome exhaust outlets
Front and rear stabilizer bars
Power windows, door locks and door mirrors
Global close for the front windows
Air conditioning
Micron air filter
Keyless entry system
Retractable key
Cruise control w/ steering w. mounted controls
60/40 split folding rear seatback w/ spring assist
Engine immobilizer
Side air bags and Side air curtains
ABS with traction control

Sport Package

17" Alloy wheels with 215/50R17 tires with TPMS
Leather wrapped steering wheel w/ audio cont.
Leather wrapped shift knob
Leather wrapped parking brake handle
Fog lights
8-way power driver's seat

GT-I4

GS-I4 equipment plus:

Automatic climate control
Leather seating surfaces
Leather trimmed door panels
Heated Seats
Homelink syst. w/ Auto dimming rearview mirror
Anti-theft alarm
Instrument panel trim insert, dark grey
ABS Brakes and Traction Control
Bose audio with 6-disc in dash CD changer and subwoofer
Moonroof
Sport Package
- -17" Alloy wheels with 215/50R17 tires with TPMS
- -Leather wrapped steering wheel w/ audio cont.
- -Leather wrapped shift knob
- -Leather wrapped parking brake handle
- -Fog lights
- -8-way power driver's seat

GFX Package
- -Sporty side sills
- -Sporty body coloured front grille
- -Electroluminescent gauges
- -Black headlight housing
- -Sporty tailights

GS-V6

GS-I4 equipment plus:

3.0L V6 engine with 212 Horsepower and
197 lb-ft of Torque
Sport Package
- -17" Alloy wheels with 215/50R17 tires with TPMS
- -Leather wrapped steering wheel w/ audio cont
- -Leather wrapped shift knob
- -Leather wrapped parking brake handle
- -Fog lights
- -8-way power driver's seat

GT-V6

GT-I4 equipment plus:

3.0L V6 engine with 212 Horsepower and
197 lb-ft of Torque
Sporty tailights
Xenon (HID) headlights
18" Alloy wheels with 215/45R18 tires with TPMS

Option

5-Speed ***Sport*** mode AT

Option

5-Speed ***Sport*** mode AT

Option

6-Speed ***Sport*** mode AT

Moonroof

Options

6-Speed ***Sport*** mode AT

Navigation System