

2005 MAZDA B-SERIES TECHNICAL SPECIFICATIONS

Mazda first started selling trucks in the United States in 1971, and rotary-powered pickup trucks followed soon after. Mazda also manufactured Ford's first compact pickup truck, the Courier. The popular Mazda B2000 two-wheel drive trucks were introduced in 1986 and were equipped with a 2.0-liter engine. Later, the extended-cab Cab Plus body style was added. The trucks were renamed B2200 and B2600 in 1987 with the adoption of 2.2-liter and 2.6-liter engines respectively. In 1990, a 12-valve, fuel-injected 2.6-liter engine replaced the previous unit, and rear-wheel ABS was added. The B2600 4x4 first was introduced in 1987 and powered by the 2.6-liter engine. In 1989, a more powerful 2.6-liter was adopted, as well as a remote freewheeling feature for the front hubs. In 1993, Ford began manufacturing the new Mazda compact pickup truck for the North American market. The new B-Series offered a 2.3-liter four-cylinder engine, a 3.0-liter V-6 and 4.0-liter V-6, which gave the B-Series three model choices — the B2300, B3000 and B4000. In 1998, the current generation B-Series truck was introduced, featuring the B-Series Cab Plus 4 and the more powerful base B2500 with a 2.5-liter engine. The Cab Plus 4 gave Mazda the distinction of being the first import-brand truck with four doors. Mazda updated the B-Series in 2001 with a new 4X2, raised-ride-height Dual Sport model. The top-of-the-line B4000 received 29 percent more horsepower thanks to a new 207-horsepower, 4.0-liter SOHC V-6, which replaced the previous 160-horsepower, OHV V-6. The entry-level B2500 was replaced by a new B2300 model, featuring a new 140-horsepower, 2.3-liter engine that replaced the 119-horsepower, 2.5-liter engine.

For 2005 Mazda has added a new model and simplified the B-Series model lineup, with more standard features outfitting all models. This year the B-Series is available in six models with a total of 17 available combinations. The 2005 B-Series models include B2300 Regular Cab, B3000 Cab Plus 4-door (new model), B3000 Regular Cab Dual Sport, B3000 Cab Plus 4-door Dual Sport, B4000 Cab Plus 4-door 4x4 and B4000 Cab Plus 4-door 4x4 SE.

A host of changes accompany the new 2005 B-Series model lineup. All Cab Plus models now come equipped with four doors and fold-down rear jump seats. In addition, Dual Sport and SE 4x4 models now come standard with the combined features from last year's popular Convenience and Power Packages, including cruise control, tilt/leather-wrapped steering wheel, bed liner, power windows/locks/mirrors and two remotes. Badging has been updated, and exterior colors have been added. Bucket seats now are available for the B3000 Dual Sport Cab Plus 4-door and B4000 SE Cab Plus 4-door 4x4. New 15-inch wheels accompany the popular SE-5 package for the B2300. Other features of the SE-5 package include chrome bumpers and grille, A/C, AM/FM/CD player, carpet, cruise control and tilt/leather-wrapped steering wheel.

Engines	B2300	B3000	B4000
Type	2.3-liter DOHC 16-valve, I-4	3.0-liter OHV 12-valve, V-6	4.0-liter SOHC 12-valve, V-6
Displacement (cu in)	140	183	244
Bore x Stroke (in)	3.45 x 3.70	3.50 x 3.14	3.95 x 3.35
Compression Ratio	9.7:1	9.14:1	9.0:1
Output (SAE net)	143 hp @ 5250 rpm	148 hp @ 4900 rpm	207 hp @ 5250 rpm
Torque (SAE net)	154 lb-ft @ 3750 rpm	180 lb-ft @ 3950 rpm	238 lb-ft @ 3000 rpm
Transfer Case 4X4	N/A	N/A	two-speed

Fuel Economy			
		Manual (mpg)	Automatic (mpg)
B2300 (4x2)	City	24	22
	Highway	29	26
B3000 (4x2)	City	18	18
	Highway	23	22
B4000 (4x4)	City	16	16
	Highway	19	20

Steering and Brakes	
Steering Type	Power assisted rack-and-pinion
Turning Diameter	Reg. Cab: 37.7 / 39.1 (Dual Sport) Cab Plus 4: 42.7 (4X2) / 43.0 (Dual Sport & 4X4)
Brakes	Four-wheel power assisted front ventilated disc/rear drum with four-wheel ABS

Transmissions				
Manual	Five-speed manual			
Automatic	Five-speed, EC A/T			
Gear Ratios : 1	Manual		Automatic	
	2.3L/3.0L	4.0L	2.3L/3.0L	4.0L
1 st	3.72	3.40	2.47	2.47
2 nd	2.20	2.05	1.86	1.86
3 rd	1.50	1.31	1.47	1.47
4 th	1.00	1.00	1.00	1.00
5 th	0.79	0.79	0.75	0.75
Final Drive	see Towing Specifications section			

Tires and Wheels		
Tires 4X2	Base Dual Sport	225/70R-15 all-season 235/75R-15 all-terrain
4X4	Base SE	235/75R-15 all-terrain 255/70R-16 all-terrain
Wheels 4X2	Base Dual Sport	15-inch steel 15-inch aluminum
4X4	Base SE	15-inch styled steel w/ bright center cap 16-inch aluminum

Suspension	
Front Base 4X2	Independent double wishbone with coil springs, heavy-duty gas-filled shock absorbers and stabilizer bar
Dual Sport & 4x4	Raised independent double wishbone with torsion bars, heavy-duty gas-filled shock absorbers and stabilizer bar
Rear Base 4X2	Solid axle with leaf springs with heavy-duty gas-filled shock absorbers
Dual Sport & 4x4	Solid axle with raised leaf springs and heavy-duty gas-filled shock absorbers (stabilizer bar on B3000 Dual Sport only)

Capacities		
Fuel Tank	Reg. Cab/Cab Plus 4 (gal)	16.5 / 19.5
Oil (B2300/B3000/B4000) (qt)		4.0 / 4.5 / 5.0
Coolant* (B2300/B3000/B4000) (qt)		10.2 / 14.8 / 13.2
	*A/T with A/C	

Dimensions			
		Inches (mm)	
		Regular Cab	Cab Plus 4
Length		187.5/187.7 (4763/4768)	201.7/202.9 (5123/5154)
Width		69.4 (1763)	69.4 (1763) 70.3 (SE 4x4) (1786)
Height 4X2 / DualSport & 4x4		64.9/67.6 (1648/1717)	64.8/67.5 (1646/1715)
Wheelbase		111.6 (2835)	125.9 (3198)
Track	Front/Rear	58.6/57.3 (1488/1455)	58.6/57.3 (1488/1455)
Head Room	Front	39.2 (996)	39.2 (996)
	Rear	NA	35.6 (904)
Leg Room	Front	42.4 (1077)	42.2 (1072)
	Rear	N/A	40.3 (1024)
Shoulder Room	Front	54.5 (1384)	53.8 (1367)
	Rear	N/A	15.3 (389)

Towing Specifications							
Payload/Trailer Weights (lb.)		Regular Cab				Cab Plus 4	
			Axle Ratio	Maximum Payload/GVWR	Maximum Trailer Wt./GCWR	Maximum Payload/GVWR	Maximum Trailer Wt./GCWR
B2300	4X2	M5	3.73	1260/4380	1600/4800	-	-
		A5	4.10	1260/4380	2260/5500	-	-
B3000	4X2	M5	3.73	-	-	1660/5020	2480/6000
		A5	3.73	-	-	1660/5020	2440/6000
	DS	M5	4.10	1260/4700	2540/6000	1260/4920	2380/6000
		A5	4.10	1260/4700	2480/6000	1260/4920	2340/6000
B4000	4X4	M5	4.10	-	-	1260/5100	3120/7000
		A5	4.10	-	-	1260/5100	5580/9500

GVWR = Gross Vehicle Weight Rating; GCWR = Gross Combined Weight Rating
M5 = 5-speed manual; A5 = 5-speed automatic

Payload: Payload weights shown are maximums and must be reduced by the weight of any passengers or optional equipment. Trailer Weight: Trailer weights shown are maximums and must be reduced by the weight of any passengers, cargo, hitch, or optional equipment in the towing vehicle. The following equipment may also be required: load-carrying hitch for trailers under 2,000 lbs. and load-equalizing hitch for trailers over 2,000 lbs. Towing a trailer will have an effect on the vehicle's handling, braking, durability, performance and driving economy.

Minimum Ground Clearance	
B2300 RC 2WD A/T & MT	6.7 inches
B3000 Cab Plus 4-door 2 WD M/T & AT	6.7
B3000 DS RC 2 WD M/T & A/T	7.3
B3000 DS Cab Plus 4-door 2WD M/T & A/T	7.3
B4000 Cab Plus 4WD M/T & A/T	7.3
B4000 SE Cab Plus 4-door 4 WD M/T & A/T	7.9