

MANUFACTURERS MOTOR VEHICLE SPECIFICATIONS

METRIC (U.S. Customary)

1988

Manufacturer Mazda Motor Corporation	Vehicle Line Mazda MX-6	
Mailing Address 3-1, Shinchu, Fuchu-cho Aki-gun, Hiroshima, Japan	Issued Sep., '87	Revised

Direct questions concerning these specifications to the manufacturer listed above.

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The General Specifications herein are those in effect at date of compilation and are subject to change without notice or incurring obligation by the manufacturer.



Motor Vehicle Manufacturers Association
of the United States, Inc.

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MVMA Specifications Form

METRIC (U.S. Customary)

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NOTE:

1. This form uses both SI metric units and U.S. Customary units. The metric unit of measure is presented first, and the U.S. Customary unit follows in parentheses.
2. UNLESS OTHERWISE INDICATED:
 - a. Specifications apply to standard models without optional equipment. Significant deviations are noted.
 - b. Nominal design dimensions are used throughout these specifications.
 - c. All linear dimensions are in millimeters (inches), and all mass (weight) specifications are in kilograms (pounds).
3. The General Specifications herein are those in effect at date of compilation and are subject to change without notice or incurring obligation by the manufacturer.
4. Additional Vehicle Dimensions (based in part on SAE J1100 "Motor Vehicle Dimensions") may be available from the manufacturer.

METRIC (U.S. Customary)Model Year '88 Issued Sep./'87 Revised (•)

Model Description & Drive (FWD/RWD)	Introduction Date	Make, Vehicle Models, Series, Body Type (Mfr's Model Code)	No. of Designated Seating Positions (Front/Rear).	Max. Trunk/Cargo Load—Kilograms (Pounds)
MX-6 (FWD)		2-Door Coupe	2/3	100 lbs.

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Vehicle Line Mazda MX-6

Model Year '88 Issued Sep./'87 Revised (•)**METRIC (U.S. Customary)****Power Teams** (Indicate whether standard or optional)

SAE J1349 Net bhp (brake horsepower) and net torque corrected to 77°F/25° C and 29.61 in. Hg/100 kPa atmospheric pressure.

[illegible]

MVMA Specifications Form

METRIC (U.S. Customary)

Vehicle Line Mazda MX-6

Model Year '88 Issued Sep./'87 Revised (*)

Engine Description/Carb.
Engine Code

F2 EGI & Turbo

ENGINE - GENERAL

Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sohc, dohc, ohv, hemi, wedge, pre-camber, etc.)	Gasoline, 4-cycle In-line, 4-cylinders, 2.184 cc OHC	
Manufacturer	Mazda	
No. of cylinders	4-cylinders	
Bore	86.0	
Stroke	94.0	
Bore spacing (C/L to C/L)	96 - 98 - 96 mm	
Cylinder block material & mass kg (lbs.) (machined)	Gray cast iron	
Cylinder block deck height	241.5 mm	
Cylinder block length	-	
Deck clearance (minimum) (above or below block)	0	
Cylinder head material & mass kg (lbs.)	Cast aluminum alloy	
Cylinder head volume (cm ³)	-	
Cylinder liner material	-	
Head gasket thickness (compressed)	1.20	
Minimum combustion chamber total volume (cm ³)	-	
Cyl. no. system (front to rear)*	L. Bank	-
	R. Bank	-
Firing order	1 - 3 - 4 - 2	
Intake manifold material & mass [kg (lbs.)]**	-	
Exhaust manifold material & mass [kg (lbs.)]**	-	
Recommended fuel (leaded, unleaded, diesel)	Unleaded (turbo: leaded)	
Fuel antiknock Index (R + M) 2	87	
Total dressed engine mass (wt) dry***	-	

Engine - Pistons

Material & mass, g (weight, oz.) - piston only	Cast aluminum alloy
---	---------------------

Engine - Camshaft

Location		:	Over head
Material & mass kg (weight, lbs.)			Gray cast iron
Drive type	Chain / belt		Belt-driven
	Width / pitch		-

* Rear of engine - drive takeoff. View from drive takeoff end to determine left & right side of engine.

** Finished state.

*** Dressed engine mass (weight) includes the following:

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Model Year '88 Issued Sep / '87 Revised (e) _____

Engine Description/Carb.
Engine Code

F2 EGI & Turbo

Engine - Valve System

Hydraulic lifters (std., opt., NA)		Std.
Valves	Number intake / exhaust	-
	Head O.D. intake / exhaust	-

Engine - Connecting Rods

Material & mass [kg., (weight, lbs.)]*	Carbon steel
--	--------------

Engine - Crankshaft

Material & mass [kg., (weight, lbs.)]*		Carbon steel
End thrust taken by bearing (no.)		-
Length & number of main bearings		-
Seal (material, one, two piece design, etc.)	Front	-
	Rear	-

Engine - Lubrication System

Normal oil pressure [kPa (psi) at engine rpm]	147-245 kpa (1000 rpm), 294-392 kpa (3000 rpm)
Type oil intake (floating, stationary)	Trochoid gear (stationary)
Oil filter system (full flow, part, other)	Full flow, paper element
Capacity of c/case, less filter-refill-L (qt.)	4.6 L

Engine - Diesel Information

Not applicable

Diesel engine manufacturer		—
Glow plug, current drain at 0°F		—
Injector nozzle	Type	—
	Opening pressure [kPa (psi)]	—
Pre-chamber design		—
Fuel injection pump	Manufacturer	—
	Type	—
Fuel injection pump drive (belt, chain, gear)		—
Supplementary vacuum source (type)		—
Fuel heater (yes/no)		—
Water separator, description (std., opt.)		—
Turbo manufacturer		—
Oil cooler-type (oil to engine coolant; oil to ambient air)		—
Oil filter		—

Engine - Intake System

Turbo charger - manufacturer	-
Super charger - manufacturer	N.A.
Charge cooler	-

*Finished State

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Vehicle Line Mazda MX-6

Model Year '88 Issued Sep./'87 Revised (e)

Engine Description/Carb.
Engine Code

F2 EGI & Turbo

Engine - Cooling System

		Non-turbo	Turbo
Coolant recovery system (std., opt., n.a.)		Forced circ. (std.)	←
Coolant fill location (rad., bottle)		Rad.	←
Radiator cap relief valve pressure [kPa (psi)]		74-103 kPa	←
Circulation thermostat	Type (choke, bypass)	Bypass	←
	Starts to open at °C (°F)	86.5 - 89.5°C	←
	Type (centrifugal, other)	Centrifugal	←
Water pump	GPM 1000 pump rpm	-	-
	Number of pumps	1	←
	Drive (V-belt, other)	Timing belt	←
	Bearing type	Ball & ball bearing	←
	Impeller material	-	-
	Housing material	-	-
	By-pass recirculation [type (inter., ext.)]	Ext.	←
Cooling system capacity	With heater-L[qt.]	7.5 L	←
	With air cond.-L[qt.]	-	-
	Opt. equipment [specify-L[qt.]]	-	-
Water jackets full length of cyl. (yes, no)		Yes	←
Water all around cylinder (yes, no)		No	←
Water jackets open at head face (yes, no)		No	←
Radiator core	Std., A/C, HD	Std.	←
	Type (cross-flow, etc.)	Corrugated fin	←
	Construction (fin & tube mechanical, braze, etc.)	Fin & tube	←
	Material, mass [kg (wtg. lbs.)]	-	-
	Width	646 mm	←
	Height	400 mm	←
	Thickness	16 mm	32 mm
	Fins per inch	19.5 mm (M/T), 14.5 mm (A/T)	23.1 mm (M/T), 14.5 mm (A/T)
Radiator end tank material		-	-
Fan	Std., elec., opt.	Elec.	←
	Number of blades & type (flex, solid, material)	4	←
	Diameter & projected width	ø320 (M/T), ø340 (A/T)	←
	Ratio (fan to crankshaft rev.)	-	-
	Fan cutout type	-	-
	Drive type (direct, remote)	Motor drive	←
	RPM at idle (elec.)	-	-
	Motor rating (wattage) (elec.)	80	120 (M/T), 160 (A/T)
	Motor switch (type & location) (elec.)	Thermo-switch	←
	Switch point (temp., pressure) (elec.)	Temp	←
	Fan shroud (material)	PP with talc	←

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F2 EGI & Turbo

Engine -- Fuel System (See supplemental page for details of Fuel Injection, Supercharger, Turbocharger, etc. if used)

Induction type: carburetor, fuel injection system, etc.		Electronic gas injection system	
Manufacturer		-	
Carburetor	Choke (type)	N.A.	
	Idle spd.-rpm (spec. neutral or drive and propane if used)	Manual	-
		Automatic	-
Idle A/F mix.		-	
Fuel injection	Point of injection (no.)	-	
	Constant, pulse, flow	-	
	Control (electronic, mech.)	Electronic	
	System pressure [kPa (psi)]	-	
Intake manifold heat control (exhaust or water thermostatic or fixed)		-	
Air cleaner type	Standard	Oil primed	
	Optional	-	
Fuel pump	Type (elec. or mech.)	Impeller	
	Location (eng., tank)	Tank	
	Pressure range [kPa (psi)]	-	

Fuel Tank

Capacity [refill L (gallons)]		60 L, 57 L(4-wheel steering vehicle)
Location (describe)		-
Attachment		-
Material & Mass [kg (weight lbs)]		-
Filler pipe	Location & material	-
	Connection to tank	-
Fuel line (material)		-
Fuel hose (material)		-
Return line (material)		-
Vapor line (material)		-
Extended range tank	Opt., n.a.	-
	Capacity [L (gallons)]	-
	Location & material	-
	Attachment	-
Auxiliary tank	Opt., n.a.	-
	Capacity [L (gallons)]	-
	Location & material	-
	Attachment	-
	Selector switch or valve	-
	Separate fill	-

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Engine Description/Carb.
Engine Code

F2 EGI & Turbo

Vehicle Emission Control

Non-turbo

Turbo

Exhaust Emission Control	Type (air injection, engine modifications, other)		-	-
	Air Injection	Pump or pulse	-	-
		Driven by	-	-
		Air distribution (head, manifold, etc.)	-	-
		Point of entry	-	-
	Exhaust Gas Recircula- tion	Type (controlled flow, open orifice, other)	-	-
		Exhaust source	-	-
		Point of exhaust injection (spacer, carburetor, manifold, other)	-	-
	Catalytic Converter	Type	3 way	←
		Number of	1	←
		Location(s)	Under floor	←
		Volume [L (in³)]	2.1	2.3
Substrate type		Monolith	←	
Crankcase Emission Control	Type (ventilates to atmosphere, induction system, other)		-	-
	Energy source (manifold vacuum, carburetor, other)		-	-
	Discharges (to intake manifold, other)		-	-
	Air inlet (breather cap, other)		-	-
Evapora- tive Emission Control	Vapor vented to (crankcase, canister, other)	Fuel tank	-	-
		Carburetor	-	-
	Vapor storage provision		-	-
Electronic system	Closed loop (yes/no)		-	-
	Open loop (yes/no)		-	-

Engine - Exhaust System

Type (single, single with cross-over, dual, other)		Semi-dual	Single
Muffler no. & type (reverse flow, straight thru, separate resonator) Material & Mass [kg (weight lbs)]		1, Reverse flow	←
Resonator no. & type		1	←
Exhaust pipe	Branch o.d., wall thickness	38.4	-
	Main o.d., wall thickness	48.6 x 2	50.8 x 2
	Material & Mass [kg (weight lbs)]	Stainless	←
Intermediate pipe	o.d. & wall thickness	48.6 x 1.6	50.8 x 1.6
	Material & Mass [kg (weight lbs)]	Al. coated steel	Al. coated steel
Tail pipe	o.d. & wall thickness	45 x 1.2	50.8 x 1.2
	Material & Mass [kg (weight lbs)]	Stainless	←

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Model Year '88

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Engine Description/Carb.
Engine Code

F2 EGI & Turbo

☐ Transmissions/Transaxle (Std., Opt., N.A.)

Non-turbo

Turbo

Manual 3-speed (manufacturer/country)	N.A.	←
Manual 4-speed (manufacturer/country)	N.A.	←
Manual 5-speed (manufacturer/country)	Std.	←
Automatic (manufacturer/country)	Std.	←
Automatic overdrive (manufacturer/country)	Std.	←

☐ Manual Transmission/Transaxle

Number of forward speeds		5	←
Gear ratios	1st	3.307	3.250
	2nd	1.833	1.772
	3rd	1.233	1.194
	4th	0.914	0.926
	5th	0.717	0.711
	Reverse	3.166	3.461
Synchronous meshing (specify gears)		-	-
Shift lever location		Floor	←
Trans. case mat'l. & mass kg (lbs)*		-	-
Lubricant	Capacity [L (pt.)]	3.35	3.65
	Type recommended	ATF: M2C33-F or Dexron II	←

☐ Clutch (Manual Transmission)

Clutch manufacturer		DAIKIN	←
Clutch type (dry, wet; single, multiple disc)		Single dry plate	←
Linkage (hydraulic, cable, rod, lever, other)		Hydraulic	←
Max. pedal effort (nom. spring load, new) N (lbs)	Depressed	-	-
	Released	-	-
Assist (spring, power/percent, nominal)		-	-
Type pressure plate springs		-	-
Total spring load (nominal, new) N (lbs)		440 kg	560 kg
Clutch facing	Facing mfr. & material coding	Woven	←
	Facing material & construction	-	-
	Rivets per facing	18	32
	Outside x inside dia. (nominal)	225 x 150 mm	240 x 160 mm
	Total eff. area (cm ² (in. ²))	220 cm ²	251 cm ²
	Thickness (pressure plate side/fly wheel side)	3.5 mm	←
	Rivet depth (pressure plate side/fly wheel side)	-	-
	Engagement cushion method	Cushion spring	←
Release bearing type & method lub.		S.row ball bearing	←
Torsional damping method, springs, hysteresis		Coil spring	←

* Includes shift linkage, lubricant, and clutch housing. If other specify.

☐ 1988 Format Change

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Engine Description/Carb.
Engine Code

F2 EGI & Turbo

Automatic Transmission/Transaxle

Non-turbo

Turbo

Trade name		EC-AT (G4A-EL)	←
Type and special features (describe)		Electronic	←
Selector	Location	Floor	←
	Ltr./No. designation		
Gear ratios	1st	2.800	←
	2nd	1.540	←
	3rd	1.000	←
	4th	0.700	←
	Reverse	2.333	←
Max. upshift speed - drive range [km/h (mph)]		(1-2) 56, (2-3) 107, (3-4) 168 km/h	(1-2) 56, (2-3) 102, (3-4) 168 km/h
Max. kickdown speed - drive range [km/h (mph)]		(2-1) 45, (3-2) 98, (4-3) 158 km/h	(2-1) 47, (3-2) 96, (4-3) 158 km/h
Min. overdrive speed [km/h (mph)]		30 km/h	←
Torque converter	Number of elements	3-element, 1-stage, 2-phase	←
	Max. ratio at stall	1.8	1.7
	Type of cooling (air, liquid)	Water	←
	Nominal diameter	250 mm	←
Lubricant	Capacity (refill L (pt.))	6.8 L	←
	Type Recommended	ATF Dexron II or III	←
Oil cooler (std., opt., NA, internal, external, air, liquid)			
Transmission case material & mass kg (lbs)*			

Axle or Front Wheel Drive Unit

Type (front, rear)		Front
Description		-
Limited slip differential (type)		N.A.
Drive pinion offset		-
Drive pinion (type)		-
No. of differential pinions		-
Pinion / differential (shim, other)		-
Pinion / differential (shim, other)		-
Driving wheel bearing (type)		-
Lubricant	Capacity [L (pt.)]	-
	Type recommended	-
	SAE viscosity number	Summer
		Winter
		Extreme cold

Axle or Transaxle Ratio and Tooth Combinations (See 'Power Teams' for axle ratio usage.)

Axle ratio (or overall top gear ratio)		0.700
No. of teeth	Pinion	-
	Ring gear or gear	-
Ring gear o.d.		-
Transaxle	Transfer gear ratio	-
	Final drive ratio	-

* Includes shift linkage, lubricant, & clutch housing. If other specify.

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Engine Description/Carb.
Engine Code

F2 EGI & Turbo

Propeller Shaft -- Rear Wheel Drive

Not applicable

Manufacturer
Type (straight tube, tube-in-tube,
internal-external damper, etc.)

—

Outer
diam. x
length* x
wall
thickness

Manual 3-speed trans.

—

Manual 4-speed trans.

—

Manual 5-speed trans.

—

Overdrive

—

Automatic transmission

—

Inter-
mediate
bearing

Type (plain, anti-friction)

—

Lubrication (fitting, prepack)

—

Slip
yoke

Type

—

Number of teeth

—

Spline o.d.

—

Universal
joints

Make and mfg. no.

Front

—

Rear

—

Number used

—

Type (ball and trunnion, cross)

—

Rear attach (u-bolt, clamp, etc.)

—

Bearing

Type (plain,
anti-friction)

—

Lubrication
(fitting, prepack)

—

Drive taken through (torque tube,
arms or springs)

—

Torque taken through (torque tube,
arms or springs)

—

*Centerline to centerline of universal joints, or to centerline of rear attachment.

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Model Year '88 Issued Sep./'87 Revised (•) _____

Engine Description/Carb.
Engine Code

F2 EGI & Turbo

Axle Shafts – Front Wheel Drive

Manufacturer and number used			2	←	
Type (straight, solid bar, tubular, etc.)		Left	Solid bar	←	
		Right	Solid bar	←	
Outer diam. x length* x wall thickness	Manual transmission	Left	24 x 360	26 x 355	
		Right	24 x 360	26 x 355	
	Automatic transmission	Left	24 x 355.5	26 x 348.3	
		Right	24 x 355.5	26 x 348.3	
	Optional transmission	Left	-	-	
		Right	-	-	
Slip yoke	Type		-	-	
	Number of teeth		-	-	
	Spline o.d.		-	-	
Universal joints	Make and mfg. no.		Inner	-	-
			Outer	-	-
	Number used		-	-	
	Type, size, plunge		Inner	Double offset joint(M/T) , Tri-pad joint(A/T)	
			Outer	Ball joint	
	Attach (u-bolt, clamp, etc.)		-	-	
	Bearing	Type (plain, anti-friction)	-	-	
		Lubrication (fitting, prepack)	-	-	
Drive taken through (torque tube, arms or springs)			-	-	
Torque taken through (torque tube, arms or springs)			-	-	

* Centerline to centerline of universal joints, or to centerline of attachment.

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Vehicle Line Mazda MX-6
Model Year '88 Issued Sep./'87 Revised (•) _____

Body Type And/Or
Engine Displacement

2-door coupe/ 2.184 L

Suspension - General

Car leveling	Std./opt./n.a.	N.A.
	Type (air, hyd., etc.)	N.A.
	Manual/auto. controlled	N.A.
Provision for brake dip control		F.Suspension Geometry & Damping Force Variety
Provision for accel. squat control		R.Suspension Geometry & Damping Force Variety
Provisions for car jacking		N.A.
Shock absorber (front & rear)	Type	Cyl. Double Acting
	Make	KAYABA (F&R)
	Piston diameter	30.2 (F&R) mm
	Rod diameter	20 (F&R) mm

Suspension - Front

Type and description		Independent, Strut
Travel	Full jounce	85 mm
	Full rebound	90 mm
Spring	Type (coil, leaf, other) & material	Coil
	Insulators (type & material)	Spring Steel
	Size (coil design height & i.d., bar length x dia.)	13.3 x 160.8 x 365.5 (Right & Left) mm
	Spring rate [N/mm (lb./in.)]	2.0
	Rate at wheel [N/mm (lb./in.)]	1.83
Stabilizer	Type (link, linkless, frameless)	Torsion-Bar
	Material & bar diameter	Steel Pipe x 17.5 mm

Suspension - Rear

Type and description		Independent, Strut
Travel	Full jounce	90 mm
	Full rebound	110 mm
Spring	Type (coil, leaf, other) & material	Coil x Spring Steel
	Size (length x width, coil design height & i.d., bar length & dia.)	(Dia.xWidthxLength) Right Hand: 11.7 x (117.0~161.0) x 306.0 Left Hand : 11.9 x (117.2~161.2) x 323.5
	Spring rate [N/mm (lb./in.)]	1.78
	Rate at wheel [N/mm (lb./in.)]	1.71
	Insulators (type & material)	Rubber Pads
	If leaf	No. of leaves
		Shackle (comp. or tens.)
Stabilizer	Type (link, linkless, frameless)	Torsion Bar
	Material & bar diameter	Carbon Steel x ϕ 16
Track bar (type)		-

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Body Type And/Or
Engine Displacement

2-Door Coupe
2.184 L, EGI

2-Door Coupe
2.184L, EGI-Turbo

Brakes - Service

Description			-	-
Manufacturer and brake type (std., opt., n.a.)	Front (disc or drum)		Disc. Std.	←
	Rear (disc or drum)		Drum. Std.	Disc. Std.
Self-adjusting (std., opt., n.a.)			Std.	
Special valving	Type (proportion, delay, metering, other)		Proportioning valve	←
Power brake (std., opt., n.a.)			Std.	←
Booster type (remote, integral, vac., hyd., etc.)			Direct Vacuum	←
Vacuum source (inline, pump, etc.)			Surge tank	←
Vacuum reservoir (volume in. ³)			-	-
Vacuum pump-type (elec. gear driven, belt driven, if other so state)			-	-
Anti-lock device type (std., opt., n.a.) (F/R)			N.A.	Opt.
Effective area [cm ² (in. ²)]*			F: 192, R: 263	F: 192, R: 116
Gross lining area [cm ² (in. ²)]** (F/R)			F: 192, R: 263	F: 192, R: 116
Swept area [cm ² (in. ²)]*** (F/R)			F: 1188, R: 431	F: 1188, R: 1010
Rotor	Outerworking diameter	F/R	F: 264, R: N.A.	F: 264, R: 259
	Inner working diameter	F/R	F: 173, R: N.A.	F: 173, R: 180
	Thickness	F/R	F: 24, R: N.A.	F: 24, R: 10
	Material & type (vented/solid)	F/R	Cast iron/Ventilated	Cast iron/ F:Vent R:Solid
Drum	Diameter & width	F/R	F: N.A. R: 228.6	N.A.
	Type and material	F/R	Cast Iron	N.A.
Wheel cylinder bore			F: 53.97, R:17.46	F:53.97, R: 30.2
Master cylinder	Bore/stroke	F/R	22.22 x 15	←
Pedal arc ratio			4.2	←
Line pressure at 445 N(100 lb.) pedal load [kPa (psi)]			11290 (at 500mmHg)	←
Lining clearance			F & R: Self-adjusting	←
Brake lining	Front wheel	Bonded or riveted (rivets/seg.)	Bonded	←
		Rivet size	-	-
		Manufacturer	Sumitomo Electric.	←
		Lining code*****	-	-
		Material	Resin molded	←
		**** Primary or out-board	116 x 43 x 10	←
		Size Secondary or in-board	116 x 43 x 10	←
		Shoe thickness (no lining)	In: 6, Out:5	←
	Rear wheel	Bonded or riveted (rivets/seg.)	Bonded	←
		Manufacturer	-	-
		Lining Code*****	Nishinbo	JAPAN Brake
		Material	Resin molded	←
		**** Primary or out-board	217 x 30 x 4.5	85 x 36 x 8
		Size Secondary or in-board	217 x 30 x 4.5	85 x 36 x 8
		Shoe thickness (no lining)	1.6	5.0

*Excludes rivet holes, grooves, chamfers, etc.

**Includes rivet holes, grooves, chamfers, etc.

***Total swept area for four brakes. (Drum brake: Widest lining contact width for each brake x its contact circumference.)
(Disc brake: Square of Outer Working Dia. minus Square of inner Working Dia. multiplied by Pi/2 for each brake.)

****Size for drum brakes includes length x width x thickness.

*****Manufacturer I.D., catalog or formulation designation and coefficient of friction classification.

MVMA Specifications Form

METRIC (U.S. Customary)

Vehicle Line Mazda MX-6

Model Year '88

Issued Sep./'87 Revised (•) _____

Body Type And/Or
Engine Displacement

2-Door Coupe
2.184 L, EGI

2-Door Coupe
2.184L, EGI-Turbo

Tires And Wheels (Standard)

Tires	Size (load range, ply)		P185/70 R14	P195/60 R15
	Type (bias, radial, steel, nylon, etc.)		Radial	←
	Inflation pressure (cold) for recommended max. vehicle load	Front (kPa (psi))	32 psi	←
		Rear (kPa (psi))	26 psi	←
	Rev./mile—at 70 km/h (45 mph)		-	-
Wheels	Type & material		Steel	Aluminum alloy
	Rim (size & flange type)		5 1/2 -- JJ x 14	6 -- JJ x 15
	Wheel offset		42	←
	Attachment	Type (bolt or stud)	Nut	←
		Circle diameter	114.3	←
		Number & size	M12 x 1.5 , 5	←
Spare	Tire and wheel (same size, if other describe)		T125/70D15 Tubeless	←
	Storage position & location (describe)		Trunk room	←

Tires And Wheels (Optional)

Tire size (load range, ply)	P195/60 R15	-
Type (bias, radial, steel, nylon, etc.)	Radial	-
Wheel (type & material)	Aluminum alloy	-
Rim (size, flange type and offset)	6-JJ x 15	-
Tire size (load range, ply)	T125/70 D15	←
Type (bias, radial, steel, nylon, etc.)	Bias	←
Wheel (type & material)	Steel	←
Rim (size, flange type and offset)	4-J x 15	←
Tire size (load range, ply)		
Type (bias, radial, steel, nylon, etc.)		
Wheel (type & material)		
Rim (size, flange type and offset)		
Tire size (load range, ply)		
Type (bias, radial, steel, nylon, etc.)		
Wheel (type & material)		
Rim (size, flange type and offset)		
Spare tire and wheel (size)		
(if configuration is different than road tire or wheel, describe optional spare tire and/or wheel location & storage position)		

Brakes -- Parking

Type of control	Manual	
Location of control	Over floor tunnel	
Operates on	Rear wheels	
If separate from service brakes	Type (internal or external)	N.A.
	Drum diameter	-
	Lining size (length x width x thickness)	-

MVMA Specifications Form

METRIC (U.S. Customary)

Vehicle Line Mazda MX-6

Model Year '88 Issued Sep./'87 Revised (e)

Body Type And/Or
Engine Displacement

2-Door Coupe
EGI

2-Door Coupe
EGI-Turbo (M5)

2-Door Coupe
EGI-Turbo (4AT)

Steering

Manual (std., opt., n.a.)				Opt.	N.A.	N.A.
Power (std., opt., n.a.)				Opt.	Std.	Std.
Adjustable steering wheel/column (tilt, telescope, other)	Type		-	-	-	
	Manufacturer		-	-	-	
	(Std., opt., n.a.)		-	-	-	
Wheel diameter** (W9) SAE J1100	Manual		380	N.A.	N.A.	
	Power		380	380	380	
Turning diameter m (ft.)	Outside front	Wall to wall (l. & r.)	5.2	5.2	5.5	
		Curb to curb (l. & r.)	-	-	-	
	Inside rear	Wall to wall (l. & r.)	-	-	-	
		Curb to curb (l. & r.)	-	-	-	
Scrub Radius*			-	-	-	
Manual	Gear	Type	Rack & Pinion	N.A.	N.A.	
		Manufacturer	Nippon Seiko	N.A.	N.A.	
		Ratios	Gear	∞	N.A.	N.A.
			Overall	25.3	N.A.	N.A.
	No. wheel turns (stop to stop)		4.32	N.A.	N.A.	
Power	Type (coaxial, linkage, etc.)		Integral	Integral	Integral	
	Manufacturer		Tokai TRW	Nippon Power St.	←	
	Gear	Type	-	-	-	
		Ratios	Gear	∞	∞	∞
			Overall	18.0	17.1	←
	Pump (drive)		V ribbed belt	←	←	
No. wheel turns (stop to stop)		3.0	2.9	2.7		
Linkage	Type		Rack & Pinion	←	←	
	Location (front or rear of wheels, other)		Rear of wheel	←	←	
	Tie rods (one or two)		Two	←	←	
Steering axis	Inclination at camber (deg.)		-	-	-	
	Bearings (type)	Upper	Needle bearing	←	←	
		Lower	Ball Joint	←	←	
Thrust		-	-	-		
Steering spindle & joint type			-	-	-	
Wheel spindle/hub	Diameter	Inner bearing	-	-	-	
		Outer bearing	-	-	-	
	Thread (size)		-	-	-	
	Bearing (type)		-	-	-	

*The horizontal distance in the front elevation between wheel centerline and kingpin (ball joint) axis at ground.

**See Page 21.

MVMA Specifications Form

METRIC (U.S. Customary)

Vehicle Line Mazda MX-6

Model Year '88

Issued Sep./'87 Revised (*)

Body Type And/Or
Engine Displacement

2-Door Coupe

Wheel Alignment

Front wheel at curb mass (wt.)	Service checking	Caster (deg.)	1°13' ± 45'
		Camber (deg.)	0°17' ± 45'
		Toe-in (outside track-mm (in.))	3 ± 3
	Service reset*	Caster	-
		Camber	-
		Toe-in	-
	Periodic M.V. inspection	Caster	-
		Camber	-
		Toe-in	-
Rear wheel at curb mass (wt.)	Service checking	Camber (deg.)	- 0°30' ± 45'
		Toe-in (outside track-mm (in.))	0 ± 3
	Service reset*	Camber	-
		Toe-in	-
	Periodic M.V. inspection	Camber	-
		Toe-in	-

* Indicates pre-set, adjustable, trend set or other.

Electrical - Instruments and Equipment

		DX	SDX	GT
Speedometer	Type (analog, digital, std., opt.)	Analog (std.)	Analog/elec(opt)	←
	Trip odometer (std., opt., n.a.)	Std.	←	←
EGR maintenance indicator		-	-	-
Charge indicator	Type	-	-	-
	Warning device (light, audible)	Light	←	←
Temperature indicator	Type	-	-	-
	Warning device (light, audible)	N.A.	←	←
Oil pressure indicator	Type	-	-	-
	Warning device (light, audible)	Light	←	←
Fuel indicator	Type	-	-	-
	Warning device (light, audible)	Light	←	←
Windshield wiper	Type (standard)	Semi-concield	←	←
	Type (optional)	Adjustable	←	←
	Blade length	-	-	-
	Swept area (cm ² (in. ²))	-	-	-
Windshield washer	Type (standard)	4 jet	←	←
	Type (optional)	N.A.	←	←
	Fluid level indicator (light, audible)	Light	←	←
Rear window wiper, wiper/washer (std., opt., n.a.)		Std.	←	←
Horn	Type	Dual	←	←
	Number used	2	←	←
Other	4-wheel steering (4WS)	N.A.	N.A.	Std. (sedan)

MVMA Specifications Form

Vehicle Line Mazda MX-6Model Year '88 Issued Sep./'87 Revised (•) _____

METRIC (U.S. Customary)

Engine Description/Carb.
Engine Code

F2 EGI & Turbo

Electrical - Supply System

Battery	Manufacturer	
	Model, std., (opt.)	50D20L(50Ah), 26RCCA410, 55D23L(60Ah), 85CCA550
	Voltage	12V
	Amps at 0°F cold crank	
	Minutes-reserve capacity	
	Amp/hrs. - 20 hr. rate	
	Location	
Alternator	Manufacturer	
	Rating (idle/max. rpm)	
	Ratio (alt. crank/rev.)	
	Output at idle (rpm, park)	
	Optional (type & rating)	
Regulator	Type	Transistorized

Electrical - Starting System

Start, motor	Current drain at 0°F	
	Engagement type	
	Pinion engages from (front, rear)	

Electrical - Ignition System

Type	Electronic (std., opt., n.a.)	Std.	
	Other (specify)	-	
Coil	Make		
	Model		
	Current	Engine stopped - A	
		Engine idling - A	
Spark plug	Make	NGK, Nippon Denso	
	Model	ZER5A-11, ZER6A-11, ZER7A-11, QJ16CR11, QJ20CR11, QJ22CR11	
	Thread (mm)		
	Tightening torque (N-m (lb, ft))		
	Gap	1.0 - 1.1	
	Number per cylinder	1	
Distributor	Make		
	Model		

Electrical - Suppression

Locations & type	High tension cord & spark plug
------------------	--------------------------------

MVMA Specifications Form

METRIC (U.S. Customary)

Vehicle Line Mazda MX-6

Model Year '88

Issued

Sep./'87

Revised (e)

Body Type

2-Door Coupe

Body

Structure

-

Bumper system
front-rear

-

Anti-corrosion treatment

-

Body - Miscellaneous Information

Type of finish (lacquer, enamel, other)

-

Hood

Hinge location (front, rear)

Rear

Type (counterbalance, prop)

-

Release control (internal, external)

Internal

Trunk
lid

Type (counterbalance, other)

-

Internal release control (elec., mech., n.a.)

Mech.

Hatch-
back lid

Type (counterbalance, other)

N.A.

Internal release control (elec., mech., n.a.)

-

⊘ Tailgate

Type (drop, lift, door)

N.A.

Internal release control (elec., mech., n.a.)

-

Vent window control (crank,
friction, pivot, power)

Front

-

Rear

-

Seat cushion type
(e.g., 60/40, bucket, bench,
wire, foam etc.)

Front

Spring

Rear

Formed urethane

3rd seat

N.A.

Seat back type
(e.g., 60/40, bucket, bench,
wire, foam etc.)

Front

Spring

Rear

Formed urethane

3rd seat

N.A.

⊘ 1988 Format Change

MVMA Specifications Form

METRIC (U.S. Customary)

Vehicle Line Mazda MX-6
 Model Year '88 Issued Sep./'87 Revised (•) _____

Body Type

2-Door Coupe

Restraint System

Active restraint system	Standard/optional	Std.	
	Type and description	3 point (lap & shoulder belt)	2 point (lap belt)
	Location	Front & rear outboard seating position	Center of rear seating position
Passive seat belts	Standard/optional	-	
	Power/manual	-	
	2 or 3 point	-	
	Knee bar/lap belt	-	

Frame

and description (separate frame, unitized frame, partially-unitized frame)		-
Glass	SAE Ref. No.	-
Windshield glass exposed surface area (cm ² (in. ²))	S1	-
Side glass exposed surface area (cm ² (in. ²)) - total 2-sides	S2	-
Backlight glass exposed surface area (cm ² (in. ²))	S3	-
Total glass exposed surface area (cm ² (in. ²))	S4	-
Windshield glass (type)		-
Side glass (type)		-
Backlight glass (type)		-

MVMA Specifications Form

METRIC (U.S. Customary)

Vehicle Line Mazda MX-6
 Model Year '88 Issued Sep./'87 Revised (#) _____

Body Type

2-Door Coupe

Convenience Equipment (standard, optional, n.a.)		DX	SDX	GT
Electronic	Air conditioning (manual, auto, temp control)	Manual	←	←
	Clock (digital, analog)	Digital	←	←
	Compass / thermometer	N.A.	←	←
	Console (floor, overhead)	Floor	←	←
	Defroster, elec. backlight	Elec.	←	←
	Diagnostic monitor (integrated, individual)	-	-	-
	Instrument cluster (list instruments)	-	-	-
	Keyless entry	N.A.	←	←
	Trip/finder (avg. spd., fuel)	N.A.	←	←
	Voice alert (list items)	N.A.	←	←
Lamps	Other			
	Fuel door lock (remote, key, electric)	Opt (remote/elec.)	Std. (elec.)	←
	Auto head on / off delay, dimming	N.A.	←	←
	Cornering	-	-	-
	Courtesy (map, reading)	Std.	←	←
	Door lock, ignition	Std.	←	←
	Engine compartment	N.A.	←	←
	Fog	N.A.	←	←
	Glove compartment	Std.	←	←
	Trunk	Std.	←	←
Mirrors	Other	-	-	-
	Day/night (auto, man.)	Std. (man.)	←	←
	L.H. (remote, power, heated)	Opt. (power)	Std. (power)	←
	R. H. (convex, remote, power, heated)	Std (convex) , Opt (power)	Std. (convex/power)	←
Power equipment	Visor vanity (RH / LH, illuminated)			
	Parking brake-auto release (warning light)	N.A.	←	←
	Door locks / deck lid - specify	N.A.	Std.	←
	Seat (2-4-6 way) heated (driver, pass, other) lumbar, hip, thigh support (power, manual) reclining (driver, pass) memory (1-2 preset, recline)	N.A.	←	←
	Side windows	N.A.	Std.	←
	Vent windows	N.A.	←	←
	Rear window	N.A.	←	←
Radio systems	Antenna (location, whip, w/shield, power)	Opt. (roof)	Std. (roof)	←
	AM, FM, stereo, tape, CB	Opt.	Std.	←
	Speaker (number, location) Premium sound	Opt. (4)	Std. (4)	←
Roof open air (fixed, flip-up, sliding, "T")		N.A.	Opt.	←
Speed control device		Opt.	Opt.	Std.
Speed warning device (light, buzzer, etc.)		N.A.	←	←
Tachometer (rpm)		Std.	←	←
Telephone system - mobile		N.A.	←	←
Theft protection-type		N.A.	Opt.	←

MVMA Specifications Form

Vehicle Line Mazda MX-6

METRIC (U.S. Customary)

Model Year '88 Issued Sep./'87 Revised (•) _____

Vehicle Dimensions See Key Sheets for definitions

All dimensions to ground are for comparative purposes only. Dimensions are to be shown for all base body models of each vehicle line. SAE Ref. no. refers to the definition published in SAE Recommended Practice J1100 "Motor Vehicle Dimensions," unless otherwise specified.

Body Type	SAE Ref. No.	
Width		2-Door Coupe
Tread (front)	W101	1.455 mm
Tread (rear)	W102	1.465 mm
Vehicle width	W103	1.690 mm
Body width at Sg RP (front)	W117	
Vehicle width (front doors open)	W120	
Vehicle width (rear doors open)	W121	
Front fender overall width	W106	
Rear fender overall width	W107	
Tumble-home (deg.)	W122	

Length

Wheelbase	L101	2.515 mm
Vehicle length	L103	4.495 mm
Overhang (front)	L104	
Overhang (rear)	L105	
Upper structure length	L123	
Rear wheel C/L "X" coordinate	L127	
Cowl point "X" coordinate	L125	
Front end length at centerline	L126	
Rear end length at centerline	L129	

Height*

Passenger distribution (front/rear)	PD1.2.3	
Trunk/cargo load		
Vehicle height	H101	1.360 mm
Cowl point to ground	H114	
Deck point to ground	H138	
Rocker panel-front to ground	H112	
Bottom of door closed-front to grd.	H133	
Rocker panel-rear to ground	H111	
Bottom of door closed-rear to grd.	H135	
Windshield slope angle	H122	
Backlight slope angle	H121	

Ground Clearance*

Front bumper to ground	H102	
Rear bumper to ground	H104	
Bumper to ground (front at curb mass (wt.))	H103	
Bumper to ground (rear at curb mass (wt.))	H105	
Angle of approach (degrees)	H106	
Angle of departure (degrees)	H107	
Ramp breakover angle (degrees)	H147	
Axle differential to ground (front / rear)	H153	
Min. running ground clearance	H156	
Location of min. run. grd. clear.		

* All vehicle height and ground clearances are measured at the Manufacturer's Design Load Weight. Manufacturers Design Load Weight is defined with indicated passenger distribution and trunk/cargo load, unless otherwise specified. All linear dimensions are in millimeters (inches) unless otherwise noted.

MVMA Specifications Form

METRIC (U.S. Customary)

Vehicle Dimensions See Key Sheets for definitions

Vehicle Line Mazda MX-6

Model Year '88

Issued Sep. / '87 Revised (*)

Body Type

SAE
Ref.
No.

2-Door Coupe

Front Compartment

Sg RP front, "X" coordinate	L31	
Effective head room	H61	
Max. eff. leg room (accelerator)	L34	
Sg RP to heel point	H30	
Sg RP to heel point	L53	
Back angle	L40	
Hip angle	L42	
Knee angle	L44	
Foot angle	L46	
Design H-point front travel	L17	
Normal driving & riding seat track trvl.	L23	
Shoulder room	W3	
Hip room	W5	
Upper body opening to ground	H50	
Steering wheel maximum diameter*	W9	
Steering wheel angle	H18	
Accel. heel pt. to steer. whl. cntr	L11	
Accel. heel pt. to steer. whl. cntr	H17	
Steering wheel to C/L of thigh	H13	
Steering wheel torso clearance	L7	
Headlining to roof panel (front)	H37	
Undepressed floor covering thickness	H67	

Rear Compartment

Sg RP Point couple distance	L50	
Effective head room	H63	
Min. effective leg room	L51	
Sg RP (second to heel)	H31	
Knee clearance	L48	
Compartment room	L3	
Shoulder room	W4	
Hip room	W6	
Upper body opening to ground	H51	
Back angle	L41	
Hip angle	L43	
Knee angle	L45	
Foot angle	L47	
Headlining to roof panel (second)	H38	
Depressed floor covering thickness	H73	

Luggage Compartment

Usable luggage capacity [L (cu. ft.)]	V1	
Liftover height	H195	

Interior Volumes (EPA Classification)

Vehicle class (subcompact, compact, etc.)		
Interior volume index (cu. ft.)		
Trunk/cargo index (cu. ft.)		

* See page 14.

MVMA Specifications Form

METRIC (U.S. Customary)

Vehicle Dimensions See Key Sheets for definitions

Vehicle Line Mazda MX-6

Model Year '88 Issued Sep./'87 Revised (*)

Body Type

SAE
Ref.
No.

2-Door Coupe

Station Wagon - Third Seat

Not-applicable

Sg RP couple distance	L85	-
Shoulder room	W85	-
Hip room	W86	-
Effective leg room	L86	-
Effective head room	H86	-
Sg RP to heel point	H87	-
Knee clearance	L87	-
Seat facing direction	SD1	-
Back angle	L88	-
Hip angle	L89	-
Knee angle	L90	-
Foot angle	L91	-

Station Wagon - Cargo Space

Not-applicable

Cargo length (open front)	L200	-
Cargo length (open second)	L201	-
Cargo length (closed front)	L202	-
Cargo length (closed second)	L203	-
Cargo length at belt (front)	L204	-
Cargo length at belt (second)	L205	-
Cargo width (wheelhouse)	W201	-
Rear opening width at floor	W203	-
Opening width at belt	W204	-
Min. rear opening width above belt	W205	-
Cargo height	H201	-
Rear opening height	H202	-
Tailgate to ground height	H250	-
Front seat back to load floor height	H197	-
Cargo volume index [m ³ (ft. ³)]	V2	-
Hidden cargo volume [m ³ (ft. ³)]	V4	-
Cargo volume index-rear of 2-seat	V10	-

Hatchback - Cargo Space

Cargo length at front seatback height	L208	-
Cargo length at floor (front)	L209	-
Cargo length at second seatback height	L210	-
Cargo length at floor (second)	L211	-
Front seatback to load floor height	H197	-
Second seatback to load floor height	H198	-
Cargo volume index [m ³ (ft. ³)]	V3	-
Hidden cargo volume [m ³ (ft. ³)]	V4	-
Cargo volume index-rear of 2-seat	V11	-

Aerodynamics*

Wheel lip to ground, front	-
Wheel lip to ground, rear	-
Frontal area [m ² (ft. ²)]	-
Drag coefficient (Cd)	-

* EPA Loaded Vehicle Weight, Loading Conditions

MVMA Specifications Form

METRIC (U.S. Customary)

Vehicle Line Mazda MX-6
 Model Year '88 Issued Sep./'87 Revised (•) _____

Body Type

2-Door Coupe

Vehicle Fiducial Marks

Fiducial Mark
Number*

Define Coordinate Location

Front

Rear

Fiducial
Mark
Number

Front	W21*	
	L54*	
	H81*	
	H161*	
	H163*	

Rear	W22*	
	L55*	
	H82*	
	H162*	
	H164*	

* Reference - SAE Recommended Practice, J182, Motor Vehicle Fiducial Marks.

MVMA Specifications Form

METRIC (U.S. Customary)

Vehicle Line Mazda MX-6
 Model Year '88 Issued Sep./'87 Revised (•) _____

Body Type

2-Door Coupe

Lamps and Headlamp Shape*

Height above ground to center of bulb or marker	Headlamp (SAE - H127)	Highest**	662 mm
		Lowest	-
	Taillamp (SAE - H128)	Highest**	848 mm
		Lowest	-
	Sidemarker	Front	523 mm
		Rear	835 mm
Distance from C/L of car to center of bulb	Headlamp	Inside	-
		Outside**	-
	Taillamp	Inside	-
		Outside**	-
	Directional	• Front	-
		Rear	-
Halogen headlamp (std., opt., n.a.)	Lo beam		
	Hi beam		
	Replaceable bulb		
	Shape		
Headlamp other than above	Lo beam		
	Hi beam		
	Replaceable		
	Shape		
	Type		

* Measured at curb mass (weight).

** If single lamps are used enter here.

MVMA Specifications Form

METRIC (U.S. Customary)

Vehicle Line -Mazda MX-6

Model Year '88 Issued Sep./'87 Revised (•)

[illegible]

* Reference - SAE J1100 Motor vehicle dimensions, curb weight definition.

- Shipping mass (weight) definition ~

METRIC (U.S. Customary)

Model Year '68

Issued

Sep./'87

Revised (●)

*Also see Engine - General Section for dressed engine mass (weight).