

Maintenance and Specifications

INTRODUCTION

Be extremely careful to prevent injury to yourself and others or damage to your vehicle when using this manual for inspection and maintenance.

If you're unsure about any procedure it describes, we strongly urge you to have a reliable and qualified service shop perform the work, preferably an authorized Mazda dealer.

Factory-trained Mazda technicians and genuine Mazda parts are best for your vehicle. Without this expertise and the parts that have been designed and made especially for your Mazda, inadequate, incomplete, and insufficient servicing may result in problems. This could lead to vehicle damage or an accident and injuries.

For expert advice and quality service, consult an authorized Mazda dealer.

The owner should retain evidence that proper maintenance has been performed as prescribed.

Claims against the warranty resulting from lack of maintenance, as opposed to defective materials or authorized Mazda workmanship, will not be honored.

Any auto repair shop using parts equivalent to your Mazda's original equipment may perform maintenance. **But we recommend that it always be done by an authorized Mazda dealer using genuine Mazda parts.**

SCHEDULED MAINTENANCE

Follow Schedule 1 if the vehicle is operated mainly where none of the following conditions apply:

- Repeated short-distance driving
- Driving in dusty conditions
- Driving with an extended use of brakes
- Driving in areas where salt or other corrosive materials are being used
- Driving on rough or muddy roads
- Extended periods of idling or low-speed operation
- Driving for long periods in cold temperatures or extremely humid climates
- Towing a trailer or using a car-top carrier

If any do apply, follow Schedule 2 (Canada and Puerto Rico residents follow Schedule 2).

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NOTE: After the described period, continue to follow the described maintenance at the recommended intervals.

SCHEDULE 1

I: Inspect and repair, clean, adjust, or replace if necessary
(Oil-permeated air filter cannot be cleaned using the air-blow method)

R: Replace

L: Lubricate

Maintenance Item	Maintenance Interval (Months or miles [km], whichever comes first)												
	Months	6	12	18	24	30	36	42	48	54	60	66	72
	Miles x 1,000	7.5	15	22.5	30	37.5	45	52.5	60	67.5	75	82.5	90
	(Km x 1,000)	(12)	(24)	(36)	(48)	(60)	(72)	(84)	(96)	(108)	(120)	(132)	(144)
ENGINE													
Engine oil and filter ¹	R	R	R	R	R	R	R	R	R	R	R	R	R
Engine valve clearance (2.5L)	Audible inspection every 75,000 miles (120,000 km); adjust as necessary												
Drive belt tension	2.5L					I					I		
	3.0L				I				I				I
IGNITION SYSTEM													
Spark plugs	2.5L	Replace every 75,000 miles (120,000 km)											
	3.0L	Replace every 90,000 miles (144,000 km)											
FUEL SYSTEM													
Air cleaner filter						R					R		
Fuel tank	Fill with a full tank of regular unleaded fuel every 3,000 miles (5,000 km) when use of E85 is 50% of the time or greater												
Fuel lines and hoses ²					I				I				I
Emission tubes and hoses ²									I				
ENGINE COOLING SYSTEM													
Engine coolant level	I	I	I	I	I	I	I	I	I	I	I	I	I
Engine cooling system and hoses					I				I				I
Engine coolant	Replace at 100,000 miles (160,000 km) or 72 months; every 50,000 miles (80,000 km) or 36 months thereafter												

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Maintenance Item	Maintenance Interval (Months or miles [km], whichever comes first)												
	Months	6	12	18	24	30	36	42	48	54	60	66	72
	Miles x 1,000	7.5	15	22.5	30	37.5	45	52.5	60	67.5	75	82.5	90
	(Km x 1,000)	(12)	(24)	(36)	(48)	(60)	(72)	(84)	(96)	(108)	(120)	(132)	(144)
CHASSIS AND BODY													
Brake lines, hoses and connection					I				I				I
Disc brakes			I		I		I		I		I		I
Drum brakes					I				I				I
Rear differential fluid (4WD only) ³	Replace every 150,000 miles (240,000 km)												
Rotate tires, check wheel lug nut torque ⁴	Rotate tires every 7,500 miles (12,000 km)												
Tire inflation and wear	I	I	I	I	I	I	I	I	I	I	I	I	I
Steering operation and linkages					I				I				I
Power steering fluid level	I	I	I	I	I	I	I	I	I	I	I	I	I
Manual transmission fluid	Replace every 100,000 miles (160,000 km)												
Automatic transmission fluid	Replace every 150,000 miles (240,000 km)												
Front and rear suspension ball joints					I				I				I
Driveshaft dust boots					I				I				I
Bolts and nuts on chassis and body					I				I				I
Exhaust system heat shields					I				I				I
Locks and hinges	L	L	L	L	L	L	L	L	L	L	L	L	L
Washer fluid level	I	I	I	I	I	I	I	I	I	I	I	I	I

¹Change engine oil and replace oil filter every 5,000 miles (8,000 km) or 6 months when use of E85 is 50% of the time or greater.

²According to state and federal regulations, failure to perform maintenance on these items will not void your emissions warranties. However, Mazda recommends that all maintenance services be performed at the recommended time or miles (kilometers) period to ensure long-term reliability.

³If this component has been submerged in water, the oil should be changed.

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⁴The wheel lug nuts must be retightened to the proper specifications at 500 miles (800 km) of new vehicle operation, at any wheel change, or at any other time the wheel lug nuts have been loosened. Refer to *Wheel lug nut torque specifications* in the *Tires, Wheels and Loading* chapter for the proper lug nut torque specification.

SCHEDULE 2

I: Inspect and repair, clean, adjust, or replace if necessary
(Oil-permeated air filter cannot be cleaned using the air-blow method)

R: Replace

L: Lubricate

Maintenance Item	Maintenance Interval (Months or miles [km], whichever comes first)												
	Months	4	8	12	16	20	24	28	32	36	40	44	48
	Miles x 1,000	5	10	15	20	25	30	35	40	45	50	55	60
	(Km x 1,000)	(8)	(16)	(24)	(32)	(40)	(48)	(56)	(64)	(72)	(80)	(88)	(96)
ENGINE													
Engine oil and filter (except Puerto Rico) ¹	R	R	R	R	R	R	R	R	R	R	R	R	R
Engine oil and filter (Puerto Rico) ¹	Replace every 3,000 miles (5,000 km) or 3 months												
Engine valve clearance (2.5L)	Audible inspection every 75,000 miles (120,000 km); adjust as necessary												
Drive belt tension	2.5L							I					
	3.0L							I					I
IGNITION SYSTEM													
Spark plugs	2.5L US engine	Replace every 60,000 miles (96,000 km)											
	3.0L US engine	Replace every 75,000 miles (120,000 km)											
	All others ²	Replace every 75,000 miles (120,000 km)											
FUEL SYSTEM													
Air cleaner filter	Puerto Rico						R						R
	All others							R					
Fuel tank	Fill with a full tank of regular unleaded fuel every 3,000 miles (5,000 km) when use of E85 is 50% of the time or greater												
Fuel lines and hoses ³							I						I
Emission tubes and hoses ³													I

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Maintenance Item	Maintenance Interval (Months or miles [km], whichever comes first)												
	Months	4	8	12	16	20	24	28	32	36	40	44	48
	Miles x 1,000	5	10	15	20	25	30	35	40	45	50	55	60
	(Km x 1,000)	(8)	(16)	(24)	(32)	(40)	(48)	(56)	(64)	(72)	(80)	(88)	(96)
ENGINE COOLING SYSTEM													
Engine coolant level	I	I	I	I	I	I	I	I	I	I	I	I	I
Engine cooling system and hoses							I						I
Engine coolant	Replace at 100,000 miles (160,000 km) or 72 months; every 50,000 miles (80,000 km) or 36 months thereafter												
ELECTRICAL SYSTEM													
Function of all lights	I	I	I	I	I	I	I	I	I	I	I	I	I
CHASSIS AND BODY													
Brake lines, hoses and connection							I						I
Disc brakes				I			I			I			I
Drum brakes							I						I
Rear differential fluid (4WD only) ⁴	Replace every 100,000 miles (160,000 km)												
Rotate tires, check wheel lug nut torque ⁵	Rotate tires every 5,000 miles (8,000 km)												
Tire inflation and wear	I	I	I	I	I	I	I	I	I	I	I	I	I
Steering operation and linkages							I						I
Power steering fluid level	I	I	I	I	I	I	I	I	I	I	I	I	I
Manual transmission fluid	Replace every 100,000 miles (160,000 km)												
Automatic transmission fluid	Replace every 30,000 miles (48,000 km)												
Front and rear suspension ball joints							I						I
Driveshaft dust boots							I						I
Bolts and nuts on chassis and body				I			I			I			I
Exhaust system heat shields							I						I
Locks and hinges	L	L	L	L	L	L	L	L	L	L	L	L	L
Washer fluid level	I	I	I	I	I	I	I	I	I	I	I	I	I

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¹Change engine oil and replace oil filter every 3,000 miles (5,000 km) or three months when use of E85 is 50% of the time or greater.

²If the vehicle is operated under any of the following conditions, change the spark plugs every 60,000 miles (96,000 km) or shorter:

- a) Repeated short-distance driving.
- b) Extended periods of idling or low-speed operation.
- c) Driving for long periods in cold temperatures or extremely humid climates.

³According to state and federal regulations, failure to perform maintenance on these items will not void your emissions warranties. However, Mazda recommends that all maintenance services be performed at the recommended time or miles (kilometers) period to ensure long-term reliability.

⁴If this component has been submerged in water, the oil should be changed.

⁵The wheel lug nuts must be retightened to the proper specifications at 500 miles (800 km) of new vehicle operation, at any wheel change, or at any other time the wheel lug nuts have been loosened. Refer to *Wheel lug nut torque specifications* in the *Tires, Wheels and Loading* chapter for the proper lug nut torque specification.