

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.

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

- 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

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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 (Number of months or km (miles), whichever comes first)												
	Months	6	12	18	24	30	36	42	48	54	60	66	72
	x 1000 Km	12	24	36	48	60	72	84	96	108	120	132	144
	(x 1000 Miles)	(7.5)	(15)	(22.5)	(30)	(37.5)	(45)	(52.5)	(60)	(67.5)	(75)	(82.5)	(90)
ENGINE													
Engine valve clearance (for 2.3L engine)		Audible inspect every 120,000 km (75,000 miles), if noisy, adjust											
Engine oil		R	R	R	R	R	R	R	R	R	R	R	R
Oil filter		R	R	R	R	R	R	R	R	R	R	R	R
Drive belts (tension)	2.3L engine					I					I		
	3.0L engine				I				I				I
PCV valve (for 3.0L engine) *1		Replace every 160,000 km (100,000 miles)											
IGNITION SYSTEM													
Spark plugs		Replace every 120,000 km (75,000 miles)											
FUEL SYSTEM													
Air cleaner filter						R					R		
Fuel filter *1					R				R				R
Fuel lines and hoses *1					I				I				I
Hoses and tubes for emission *1									I				
COOLING SYSTEM													
Cooling system and hoses					I				I				I
Engine coolant (yellow)		Replace at first 160,000 km (100,000 miles) or 60 months; after that, every 80,000 km (50,000 miles) or 36 months											
Engine coolant level		I	I	I	I	I	I	I	I	I	I	I	I

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Maintenance Item	Maintenance Interval (Number of months or km (miles), whichever comes first)												
	Months	6	12	18	24	30	36	42	48	54	60	66	72
	x 1000 Km	12	24	36	48	60	72	84	96	108	120	132	144
	(x 1000 Miles)	(7.5)	(15)	(22.5)	(30)	(37.5)	(45)	(52.5)	(60)	(67.5)	(75)	(82.5)	(90)
CHASSIS and BODY													
Brake lines, hoses and connections					I				I				I
Disc brakes			I		I		I		I		I		I
Drum brakes					I				I				I
Tire (rotation), check wheel lug nut torque *3	Rotate every 12,000 km (7,500 miles)												
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 transaxle fluid													R
Automatic transaxle fluid	Replace every 240,000 km (150,000 miles)												
Rear differential fluid (4WD only) *2	Replace every 240,000 km (150,000 miles)												
Transfer case fluid (4WD only)	Replace every 240,000 km (150,000 miles)												
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
All 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

*1 According 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. Refer to *Fuel filter* in the *Maintenance and Specifications* chapter for fuel filter replacement requirements.

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

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*3 The 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 Specification* 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 (Number of months or km (miles), whichever comes first)														
		Months	4	8	12	16	20	24	28	32	36	40	44	48		
		x 1000 Km	8	16	24	32	40	48	56	64	72	80	88	96		
		(x 1000 Miles)	(5)	(10)	(15)	(20)	(25)	(30)	(35)	(40)	(45)	(50)	(55)	(60)		
ENGINE																
Engine valve clearance (for 2.3L engine)		Audible inspect every 120,000 km (75,000 miles), if noisy, adjust														
Engine oil		R	R	R	R	R	R	R	R	R	R	R	R	R		
Engine oil (for Puerto Rico)		Replace every 5,000 km (3,000 miles) (or 3 months)														
Oil filter		R	R	R	R	R	R	R	R	R	R	R	R	R		
Drive belts (tension)	2.3L engine							I								
	3.0L engine						I							I		
PCV valve (for 3.0L engine) *1		Replace every 160,000 km (100,000 miles)														
IGNITION SYSTEM																
Spark plugs	USA	Replace every 96,000 km (60,000 miles)														
	Others *2	Replace every 120,000 km (75,000 miles)														
FUEL SYSTEM																
Air cleaner filter	Puerto Rico						R							R		
	Others							R								
Fuel filter *1							R							R		
Fuel lines & hoses *1							I							I		
Hoses and tubes for emission *1														I		
COOLING SYSTEM																
Cooling system and hoses							I							I		

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Maintenance Item	Maintenance Interval (Number of months or km (miles), whichever comes first)													
	Months	4	8	12	16	20	24	28	32	36	40	44	48	
	x 1000 Km	8	16	24	32	40	48	56	64	72	80	88	96	
	(x 1000 Miles)	(5)	(10)	(15)	(20)	(25)	(30)	(35)	(40)	(45)	(50)	(55)	(60)	
Engine coolant (yellow)		Replace at first 160,000 km (100,000 miles) or 60 months; after that, every 80,000 km (50,000 miles) or 36 months												
Engine coolant level		I	I	I	I	I	I	I	I	I	I	I	I	
ELECTRICAL SYSTEM														
Function of all lights		I	I	I	I	I	I	I	I	I	I	I	I	
CHASSIS and BODY														
Brake lines, hoses and connections							I						I	
Brake fluid level		I	I	I	I	I	I	I	I	I	I	I	I	
Disc brakes				I			I			I			I	
Drum brakes							I						I	
Tire (rotation), check wheel lug nut torque *4		Rotate every 8,000 km (5,000 miles)												
Tire inflation pressure and tire wear		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	
Manual transaxle oil		Replace every 48,000 km (30,000 miles)												
Automatic transaxle fluid		Replace every 48,000 km (30,000 miles)												
Rear differential fluid (4WD only) *3		Replace every 160,000 km (100,000 miles)												
Transfer case fluid (4WD only) *3		Replace every 48,000 km (30,000 miles)												
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	
All locks and hinges		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	

*1 According 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

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long-term reliability. Refer to *Fuel filter* in the *Maintenance and Specifications* chapter for fuel filter replacement requirements.

*2 If 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.

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

*4 The 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 Specification* in the *Tires, Wheels and Loading* chapter for the proper lug nut torque specification.

OWNER MAINTENANCE SCHEDULE

The owner or a qualified service technician should make these vehicle inspections at the indicated intervals to ensure safe and dependable operation.

Bring any problem to the attention of an authorized Mazda Dealer or qualified service technician as soon as possible.

When Refueling

- Brake and clutch fluid level
- Engine coolant level
- Engine oil level
- Washer fluid level

At Least Monthly

- Tire inflation pressures

At Least Twice a Year (For Example, Every Spring and Fall)

- Automatic transaxle fluid level
- Power steering fluid level

Retightening lug nuts

- Retighten the lug nuts to the specified torque at 500 miles (800 km) after any wheel disturbance (tire rotation, changing a flat tire, wheel removal, etc.).
- Refer to *Wheel Lug Nut Torque Specification* in the *Tires, Wheels and Loading* chapter for the proper lug nut torque specification.