

# PRE-DELIVERY INSPECTION AND SCHEDULED MAINTENANCE SERVICES

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SCHEDULED MAINTENANCE SERVICES .... 0— 3

67U00X-001

# 0 PRE-DELIVERY INSPECTION

## PRE-DELIVERY INSPECTION TABLE

### EXTERIOR

**INSPECT** and **ADJUST**, if necessary, the following items to the specifications:

- Glass, exterior bright metal and paint for damage
- Wheel lug nuts
  - 88—118 N·m (9—12 m·kg, 65—87 ft·lb)
- Tire pressures (Refer to section 12)
- All weather strips for damage and detachment
- Operation of hood release and lock
- Operation of fuel lid and rear glass hatch opener
- Door operation and alignment
- Headlight aim

**INSTALL** the following parts

- Wheel caps (if equipped)
- Outside rearview mirror(s)
- Front air deflector (if equipped)
- Convertible top (if equipped)

### UNDER HOOD—ENGINE OFF

**INSPECT** and **ADJUST**, if necessary, the following items to the specifications:

- Fuel, coolant and hydraulic lines, fittings, connections and components for leaks
- Engine oil level
- Headlight cleaner fluid level (if equipped)
- Power steering fluid level (if equipped)
- Brake and clutch master cylinder fluid levels (if equipped)
- Windshield washer reservoir fluid level
- Radiator coolant level and specific gravity

Protection °C (°F)	Specific gravity at 20 °C (68°F)
-4 (25)	1.028
-16 (3)	1.054
-26 (-15)	1.066
-40 (-40)	1.078

- Tightness of water hose clamps (including heater hoses)
- Tightness of battery terminals
- Drive belt tensions
- Accelerator cable and linkage for free movement
- Sub-zero starting system and fluid level

**CLEAN** spark plugs

**NOTE:** Do not blast with sand or abrasive cleaning materials

### INTERIOR

**INSTALL** the following parts:

- Rubber stopper for inside rearview mirror
- Fuse for accessories

**CHECK** the operations of the following items:

- Seat controls (sliding and reclining) and head rest
- Door locks
- Seat belts and warning system
- Ignition switch and steering lock
- All lights including warning and indicator lights and retractable headlight mechanism
- IC sound warning system
- Horn, wipers and washers (front and rear, if equipped)
- Radio and antenna (if equipped)
- Cigarette lighter and clock
- Remote control outside rearview mirror (if equipped)
- Power window (if equipped)
- Heater, defroster and air conditioner at various mode selections (if equipped)

- Sunroof (if equipped)
- Headlight cleaner (if equipped)
- Theft-deterrent system (if equipped)
- Convertible Top (if equipped)

### INTERIOR (cont'd)

**CHECK** the following items:

- Presence of spare fuse
- Upholstery and interior finish

**CHECK** and **ADJUST**, if necessary, the following items:

- Operation and fit of windows
- Pedal height and free play of brake and clutch pedal

	Pedal height mm (in)	free play mm (in)
Clutch pedal	220—225 (8.66—8.86)	0.6—3.0 (0.02—0.12)
Brake pedal	205—210 (8.07—8.27)	4—7 (0.16—0.28)

- Parking brake
  - 4—5 noches/98 N (10 kg, 22 lb)

### UNDER HOOD—ENGINE RUNNING AT OPERATING TEMPERATURE

**CHECK** the following items:

- By-pass air control system
- Automatic transmission fluid level
- Initial ignition timing
- Idle speed
- Setting of throttle sensor

**NOTE:** Engine must not be started to perform this item.

### ON HOIST

**CHECK** the following items:

- Manual transmission oil level
- Rear axle oil level
- Underside fuel, coolant and hydraulic lines, fittings, connections and components for leaks
- Tires for cuts and bruises
- Steering linkage, suspension, exhaust system and all underside hardware for looseness or damage

### ROAD TEST

**CHECK** the following items:

- Brake operation
- Clutch operation
- Steering control
- Operation of meters and gauges
- Squeaks, rattles or unusual noise
- Engine general performance (including turbo)
- Emergency locking retractors
- Cruise control system (if equipped)

### AFTER ROAD TEST

- REMOVE seat and floor mat protective covers
- CHECK for necessary owner information materials, tools and spare tire in vehicle
- REMOVE identification color tape on directional tires

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## SCHEDULED MAINTENANCE SERVICES

Follow the Schedule 1 (Normal Driving Condition) if you mainly operate your vehicle where none of the following conditions apply. Follow the Schedule 2 (Unique Driving Condition) if one or more of the items below apply:

- REPEATED SHORT DISTANCE DRIVING.
- DRIVING IN DUSTY CONDITION.
- DRIVING WITH EXTENDED USE OF BRAKES.
- DRIVING IN AREAS USING ROAD SALT OR OTHER CORROSIVE MATERIALS.
- DRIVING ON ROUGH AND/OR MUDDY ROADS.
- EXTENDED PERIODS OF IDLING AND/OR LOW SPEED OPERATION.
- DRIVING FOR A PROLONGED PERIOD IN COLD TEMPERATURE AND/OR EXTREMELY HUMID CLIMATES.

### Schedule 1 (Normal Driving Condition)

MAINTENANCE INTERVALS	Number of months or miles (kilometers), whichever comes first						Page				
	Months	7.5	15	22.5	30	37.5		45	52.5	60	
MAINTENANCE OPERATION	Months	—	7.5	15	22.5	30	37.5	45	52.5	60	Service data and inspection point
	Miles (Km)	2,000 (3,000)	7,500 (12,000)	15,000 (24,000)	22,500 (36,000)	30,000 (48,000)	37,500 (60,000)	45,000 (72,000)	52,500 (84,000)	60,000 (96,000)	

### Engine

Drive belts (except air pump drive belt)	R	R	R	R	R	R	R	R	R	I	• Cracks or damage • Tension	1-7
Engine oil	Non-Turbo	R	R	R	R	R	R	R	R	R	• Oil pan capacity: 4.4 liters (4.7 US qt, 3.9 lpm qt)	2-5
	Turbo	Replace every 5,000 miles (8,000 km) or 5 months										
Oil filter	Non-Turbo	R	R	R	R	R	R	R	R	R	• Oil filter capacity: 0.3 liters (0.32 US qt, 0.26 lmp qt)	2-7
	Turbo	R	Replace every 5,000 miles (8,000 km) or 5 months									

### Air Conditioner System (if equipped)

Refrigerant	Inspect the refrigerant amount annually											
Compressor	Inspect the operation annually											

### Air Cleaner

Air cleaner element					R							4A-53 4B-59
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### Ignition System

Spark plugs				I <sup>1</sup>	R				I <sup>1</sup>	R			5-31
	• Plug gap 2.0 mm (0.08 in) • Recommended spark plugs												
	NGK		Leading		Trailing								
			SD 10A		SD 11A								

# 0 SCHEDULED MAINTENANCE SERVICES

**Schedule 1 (Normal Driving Condition)**

MAINTENANCE INTERVALS	Number of months or miles (kilometers), whichever comes first											Service data and inspection point	Page		
	Months	7.5	15	22.5	30	37.5	45	52.5	60						
	Miles (Km)	2,000 (3,000)	7,500 (12,000)	15,000 (24,000)	22,500 (36,000)	30,000 (48,000)	37,500 (60,000)	45,000 (72,000)	52,500 (84,000)	60,000 (96,000)					
<b>MAINTENANCE OPERATION</b>															
<b>Cooling System</b>															
Cooling system			I		I		I		I		I		I	<ul style="list-style-type: none"> <li>Hoses for cracks or wear</li> <li>Coolant level</li> </ul>	3-5
Engine coolant					R								R	<ul style="list-style-type: none"> <li>Coolant capacity: Turbo 8.7 liters (9.2 US qt, 7.7 Imp qt) Non-Turbo 7.3 liters (7.7 US qt, 6.4 Imp qt)</li> </ul>	3-5
<b>Fuel System</b>															
Idle speed	I		I <sup>2</sup>		I <sup>2</sup>		I <sup>2</sup>		I <sup>2</sup>		I <sup>2</sup>		I	Idle speed: 750 ± 25 (A/T, N Range)	4A-77 4B-80
Fuel filter													R		4A-76 4B-79
Fuel lines					I <sup>1</sup>								I	<ul style="list-style-type: none"> <li>Fittings, connections and components for leaks</li> </ul>	4A-76 4B-79
<b>Electrical System</b>															
Engine oil level warning system			I		I		I		I		I		I		15A-39
Engine coolant level warning system					I		I		I		I		I		15A-42
Sub-zero starting assist system			Inspect the operation seasonally (sub-zero weather use only).											4A-87 4B-90	
<b>Chassis and Body</b>															
Brake line hoses and connections			I		I		I		I		I		I	<ul style="list-style-type: none"> <li>Proper attachment and connections</li> </ul>	11-5
Disc brakes			I		I		I		I		I		I	<ul style="list-style-type: none"> <li>Caliper Operation</li> <li>Thickness of disc plate: minimum... 1 mm (0.04 in)</li> <li>Thickness of pad: minimum... 1 mm (0.04 in)</li> <li>Disc run out ... 1 mm (0.04 in)</li> </ul>	11-27 11-32
Steering operations and linkage					I		I		I		I		I	<ul style="list-style-type: none"> <li>Free play: 5-20 mm (0.20-0.79 in)</li> <li>Operation and looseness</li> <li>Fluid leakage or oozing</li> </ul>	10A-5 10B-5

Schedule 1 (Normal Driving Condition)

MAINTENANCE INTERVALS	Number of months or miles (kilometers), whichever comes first										Service data and inspection point	Page
	Months	7.5	15	22.5	30	37.5	45	52.5	60	60,000		
MAINTENANCE OPERATION	2,000	7,500	15,000	22,500	30,000	37,500	45,000	52,500	60,000	60,000		
	(3,000)	(12,000)	(24,000)	(36,000)	(48,000)	(60,000)	(72,000)	(84,000)	(96,000)	(96,000)		

Chassis and Body

Front suspension ball joints					I						I	• Damage, looseness and grease leakage	13--11
Drive shaft dust boots					I						I	• For cracks, damage, leakage of grease or looseness of band	9--16
Exhaust system heat shield					I						I	• clearance to body, and exhaust system	4A--83 4B--86
Front wheel bearings					L						L		9--4
Manual transmission oil											R		7A--3
Rear axle oil											R		9--4B
Bolts and nuts on chassis and body									T				
Toe control hub and control link					I						I		13--24 9--14

SCHEDULED 1 (NORMAL DRIVING CONDITION)

Chart symbols:

- I: Inspect, and if necessary correct, clean or replace
- R: Replace or change
- T: Tighten
- L: Lubricate

Remarks:

After 60 months or 60,000 miles (96,000 km), continue to follow the described maintenance items and intervals periodically. As for \* marked items in this maintenance chart, please pay attention to the following points.

\*1 This maintenance operation is recommended by Mazda. However, this maintenance is not necessary for emission warranty coverage or manufacturer recall liability.

\*2 This maintenance operation is required for Canada and all states except California. However we do recommend that this operation be performed on California vehicles as well.

# 0 SCHEDULED MAINTENANCE SERVICES

## Schedule 2 (Unique Driving Condition)

MAINTENANCE INTERVALS	Number of months or miles (kilometers), whichever comes first											Page	
	Months	5	10	15	20	25	30	35	40	45	50		55
MAINTENANCE OPERATION	2	5	10	15	20	25	30	35	40	45	50	55	60
(x1000 Miles)	(8)	(16)	(24)	(32)	(40)	(48)	(56)	(64)	(72)	(80)	(88)	(96)	(96)

### Engine

Drive belts (Except air pump drive belt)						I							I	1-7
Engine oil	Non-Turbo	R	R	R	R	R	R	R	R	R	R	R	R	1-7
	Turbo													2-5
Oil filter	Non-Turbo	R	R	R	R	R	R	R	R	R	R	R	R	2-7
	Turbo													2-7

### Air Conditioner System (If equipped)

Refrigerant	Inspect the refrigerant amount annually												
Compressor	Inspect the operation annually												

### Air Cleaner

Air cleaner element						I <sup>2</sup>					R				4A-53 4B-59
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### Ignition System

Spark plugs															5-31				
															<ul style="list-style-type: none"> <li>Plug gap 2.0 mm (0.08 in)</li> <li>Recommended spark plugs</li> </ul> <table border="1"> <tr> <td>Leading</td> <td>Trailing</td> </tr> <tr> <td>NGK</td> <td>SD 10A SD 11A</td> </tr> </table>	Leading	Trailing	NGK	SD 10A SD 11A
Leading	Trailing																		
NGK	SD 10A SD 11A																		

### Cooling System

Cooling system						I									3-5
Engine coolant															3-5

### Fuel System

Idle speed	I														4A-77 4B-80
Fuel filter															4A-76 4B-79
Fuel lines															4A-76 4B-79

Schedule 2 (Unique Driving Condition) (Cont'd)

MAINTENANCE INTERVALS	Number of months or miles (kilometers), whichever comes first													Service data and inspection point	Page	
	Months	5	10	15	20	25	30	35	40	45	50	55	60			
	x1000 Miles	2	5	10	15	20	25	30	35	40	45	50	55			60
MAINTENANCE OPERATION	(x1000 Km)	(3)	(8)	(16)	(24)	(32)	(40)	(48)	(56)	(64)	(72)	(80)	(88)	(96)		

**Electrical System**

Engine oil level warning system																	15A-39
Engine coolant level warning system																	15A-42
Sub-zero starting assist system																	4A-87 4B-90

inspect the operation seasonally (sub zero weather use only).

**Chassis and Body**

Brake line hoses and connections																		• Proper attachment and connections	11-5
Brake fluid																		• Brake fluid	11-5
Disc brakes																		• Caliper operation • Thickness of disc plate minimum... 1mm (0.04 in) • Thickness of pad minimum... 1mm (0.04 in) • Disc run out ... 1 mm (0.04 in)	11-27 11-32
Steering operations and linkage																		• Operation and looseness • Fluid leakage or oozing • Free play: 5-20 mm (0.20-0.79 in)	10A-5 10B-5
Front suspension ball joints																		• Damage, looseness and grease leakage	13-11
Exhaust system heat shield																		• Clearance to body and exhaust system	4A-83 4B-86
Drive shaft dust boots																		• For cracks, damage, leakage of grease or looseness of band	9-16
Front wheel bearings																		• Clean and check for damage	9-4
Manual transmission oil																			7A-3
Rear axle oil																			9-48
Bolts and nuts on chassis and body																			—
Toe control hub and control link																			13-24 9-14

# 0 SCHEDULED MAINTENANCE SERVICES

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## SCHEDULE 2 (UNIQUE DRIVING CONDITION)

### Chart symbols:

I :Inspect, and if necessary correct, clean or replace

R:Replace or change

T:Tighten

L:Lubricate

### Remarks:

After 60 months or 60,000 miles (96,000 km), continue to follow the described maintenance items and intervals periodically. As for \* marked items in this maintenance chart please pay attention to the following points.

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