

# SCHEDULED SERVICES

## 1991 Mazda Miata

1990-95 MAINTENANCE  
Mazda Maintenance & Service Intervals

Miata

### \* PLEASE READ THIS FIRST \*

- NOTE: All SERVICE SCHEDULES are listed for normal service vehicles. If vehicle is operated under severe service conditions, see SEVERE SERVICE REQUIREMENTS (PERFORM W/SERVICE SCHEDULES) for items requiring additional maintenance.
- NOTE: This article contains scheduled maintenance service information. Fluid types and capacities listed with each service in this article are only those necessary to perform that scheduled service. For specifications pertaining to fluid capacities for the entire vehicle, fuse and circuit breaker identification, wheel and tire size, battery type, warranty information, or model identification refer to the MAINTENANCE INFORMATION article in this section.

## CAUTIONS & WARNINGS

### SUPPLEMENTAL RESTRAINT SYSTEM (AIR BAG)

- NOTE: See the AIR BAG RESTRAINT SYSTEM article in the ACCESSORIES/SAFETY EQUIPMENT Section.
- Modifications or improper maintenance, including incorrect removal and installation of the Supplemental Restraint System (SRS), can adversely affect system performance. DO NOT cover, obstruct or change the steering wheel horn pad in any way, as such action could cause improper function of the system. Use only plain water when cleaning the horn pad. Solvents or cleaners could adversely affect the air bag cover and cause improper deployment of the system.
- WARNING: To avoid injury from accidental air bag deployment, read and carefully follow all warnings and service precautions. See appropriate AIR BAG RESTRAINT SYSTEM article in the ACCESSORIES/SAFETY EQUIPMENT section.
- CAUTION: Disconnect negative battery cable before servicing any air bag system, steering column or passenger side dash component. After any repair, turn ignition key to the ON position from passenger's side of vehicle in case of accidental air bag inflation

### AIR CONDITIONING SERVICING

- CAUTION: Avoid breathing R-134a refrigerant and PAG lubricant vapors, exposure may irritate eyes, nose and throat. To remove R-134a from system use R-134a recycling equipment that meets SAE J2210 specifications. If accidental system discharge occurs, ventilate work area before resuming service.
- WARNING: R-134a service equipment or vehicle A/C systems SHOULD NOT be pressure tested or leak tested with compressed air. Some

mixtures of air/R134a have shown to be combustible at elevated pressures. These mixtures are dangerous and may cause fire and/or explosions. See the appropriate A/C SYSTEM GENERAL SERVICING article in the AIR CONDITIONING & HEAT section.

## ANTI-LOCK BRAKE SYSTEM

The anti-lock brake system contains electronic equipment that can be susceptible to interference caused by improperly installed or high output radio transmitting equipment. Since this interference could cause the possible loss of the anti-lock braking capability, such equipment should be installed by qualified professionals.

On models equipped with anti-lock brake systems, ALWAYS observe the following cautions:

- \* DO NOT attempt to bleed hydraulic system without first referring to the appropriate ANTI-LOCK BRAKE SYSTEM article in the BRAKES Section.
- \* DO NOT mix tire sizes. As long as tires remain close to the original diameter, increasing the width is acceptable. Rolling diameter must be identical for all 4 tires. Some manufacturers recommend tires of the same brand, style and type. Failure to follow this precaution may cause inaccurate wheel speed readings.
- \* Use ONLY recommended brake fluids. DO NOT use silicone brake fluids in an ABS-equipped vehicle.

## BATTERY WARNING

WARNING: When battery is disconnected, vehicles equipped with computers may lose memory data. When battery power is restored, driveability problems may exist on some vehicles. These vehicles may require a relearn procedure. See appropriate COMPUTER RELEARN PROCEDURES article in the GENERAL INFORMATION section below.

## REPLACING BLOWN FUSES

Before replacing a blown fuse, remove ignition key, turn off all lights and accessories to avoid damaging the electrical system. Be sure to use fuse with the correct indicated amperage rating. The use of an incorrect amperage rating fuse may result in a dangerous electrical system overload.

## BRAKE PAD WEAR INDICATOR

CAUTION: Worn disc pads will affect brake performance and may damage brake system.

Indicator will cause a squealing or scraping noise, warning that brake pads need replacement.

## CATALYTIC CONVERTER

Continued operation of vehicle with a severe malfunction could cause converter to overheat, resulting in possible damage to converter and vehicle.

Any modification to the exhaust system on turbo models, which reduces exhaust backpressure, will lead to lean fuel mixtures and excessive spark advance. This could cause serious engine damage.

## ELECTROSTATIC DISCHARGE SENSITIVE (ESD) PARTS

**WARNING:** Many solid state electrical components can be damaged by static electricity (ESD). Some will display a warning label, but many will not. Discharge personal static electricity by touching a metal ground point on the vehicle prior to servicing any ESD sensitive component.

## ENGINE OIL

**CAUTION:** Never use non-detergent or straight mineral oil.

## FUEL SYSTEM SERVICE

**WARNING:** Relieve fuel system pressure prior to servicing any fuel system component (fuel injection models).

## HALOGEN BULBS

Halogen bulbs contain pressurized gas which may explode if overheated. DO NOT touch glass portion of bulb with bare hands. Eye protection should be worn when handling or working around halogen bulbs.

## HEADLIGHT RETRACTOR

**CAUTION:** If headlight retractor freezes during cold weather operation, DO NOT attempt to force mechanism. Headlights should be kept raised at all times in cold weather. To raise them, use only headlight retractor switch. DO NOT use headlight switch.

## RADIATOR CAP

**CAUTION:** Always disconnect the fan motor when working near the radiator fan. The fan is temperature controlled and could start at any time even when the ignition key is in the OFF position. DO NOT loosen or remove radiator cap when cooling system is hot.

## RADIATOR FAN

**WARNING:** Keep hands away from radiator fan. Fan is controlled by a thermostatic switch which may come on or run for up to 15 minutes even after engine is turned off.

## SERVICE POINT LOCATIONS

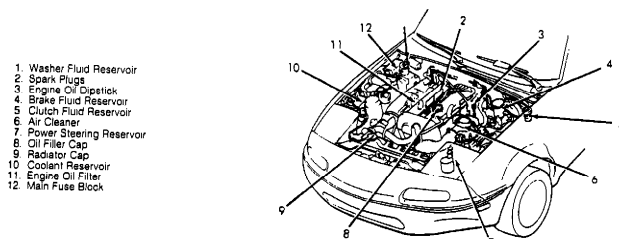


Fig. 1: Service Point Locations  
Courtesy of Mazda Motor of America, Inc.

## INFORMATION LABEL LOCATIONS

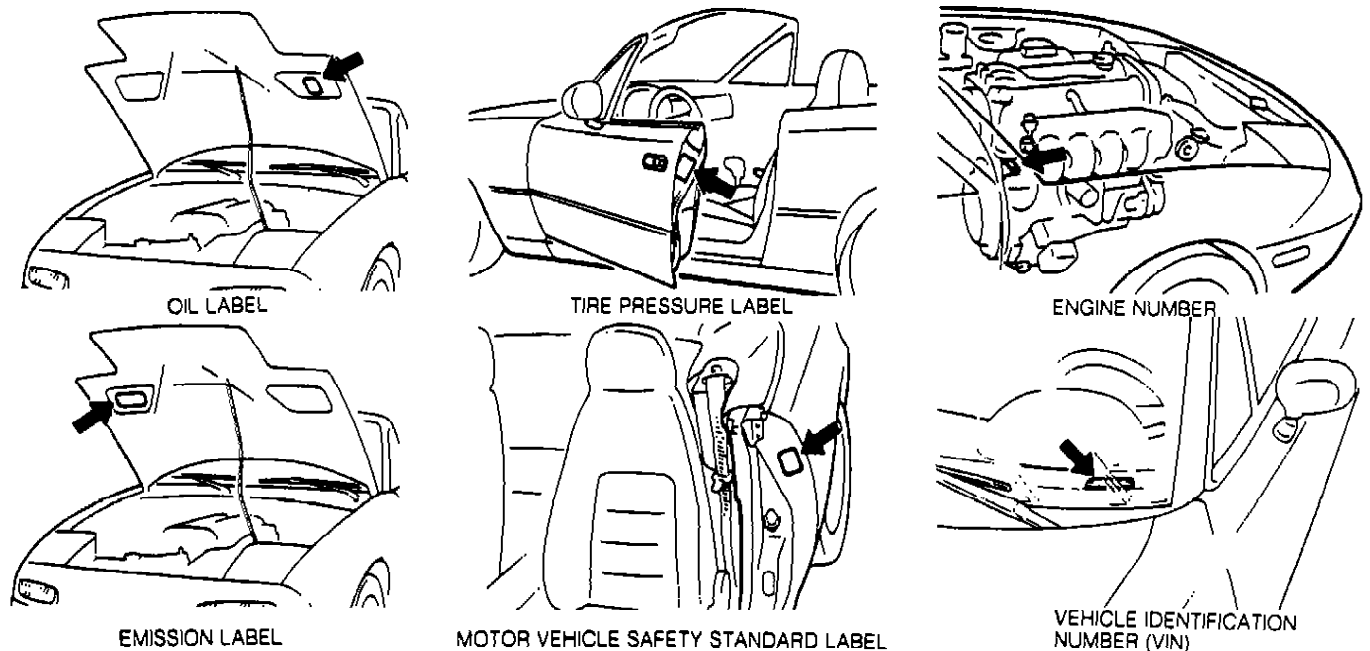


Fig. 2: Information Label Locations  
Courtesy of Mazda Motor of America, Inc.

## CAMSHAFT TIMING BELT REPLACEMENT INFORMATION

**CAUTION:** Failure to replace a faulty camshaft timing belt may result in serious engine damage.

The condition of camshaft drive belts should always be checked on vehicles which have more than 50,000 miles. Although some manufacturers do not recommend belt replacement at a specified mileage, others require it at 60,000-100,000 miles. A camshaft drive belt failure may cause extensive damage to internal engine components on most engines, although some designs do not allow piston-to-valve contact. These designs are often called "Free Wheeling".

Many manufacturers changed their maintenance and warranty schedules in the mid-1980's to reflect timing belt inspection and/or replacement at 50,000-60,000 miles. Most service interval schedules in this manual reflect these changes.

Belts or components should be inspected and replaced if any of the following conditions exist:

- \* Cracks Or Tears In Belt Surface
- \* Missing, Damaged, Cracked Or Rounded Teeth
- \* Oil Contamination
- \* Damaged Or Faulty Tensioners
- \* Incorrect Tension Adjustment

Replace camshaft timing belt at 60,000 mile intervals.

## SEVERE & NORMAL SERVICE DEFINITIONS

**NOTE:** Use the Severe Service schedule if the vehicle to be serviced is operated under ANY (one or more) of these conditions:

Service is recommended at mileage intervals based on vehicle operation. Service schedules are based on following primary operating conditions:

Normal Service

- \* Driven More Than 10 Miles Daily
- \* No Operating Conditions From Severe Service Schedule

Severe Service (Unique Driving Conditions)

- \* Repeated Short Distance Driving
- \* Dusty Conditions
- \* Extended Use Of Brakes
- \* Salt Or Other Corrosive Materials On The Roads
- \* Rough Or Muddy Roads
- \* Extended Idling Or Low Speed Operation
- \* Extended Operation In Extreme Temperatures

## SEVERE SERVICE REQUIREMENTS (PERFORM W/SERVICE SCHEDULES)

NOTE: The following services are to be performed on vehicles subjected to severe service. See SEVERE & NORMAL SERVICE DEFINITIONS. This service is to be performed in addition to the normal services listed in the NORMAL MAINTENANCE SERVICE SCHEDULES.

SEVERE SERVICE CONDITIONS/ACTIONS TABLE

Condition	Action	Item	Perform Every (1)
Repeated Short Distance Driving	Replace	Engine Oil & Filter	5,000 Miles or 5 Months
	Replace	M/T Oil	30,000 Miles
Dusty Conditions	Replace	Engine Oil & Filter	5,000 Miles or 5 Months
	Replace	M/T Oil	30,000 Miles
Extended Use Of Brakes	Replace	Engine Oil & Filter	5,000 Miles or 5 Months
	Replace	M/T Oil	30,000 Miles
Salt Or Other Corrosive Materials On The Roads	Replace	Engine Oil & Filter	5,000 Miles or 5 Months
	Replace	M/T Oil	30,000 Miles
Rough Or Muddy Roads	Replace	Engine Oil & Filter	5,000 Miles or 5 Months
	Replace	M/T Oil	30,000 Miles
Extended Idling Or Low Speed Operation	Replace	Engine Oil & Filter	5,000 Miles or 5 Months
	Replace	M/T Oil	30,000 Miles

Extended Operation In Extreme Temperatures	Replace	Engine Oil & Filter	5,000 Miles or 5 Months
	Replace	M/T Oil	30,000 Miles
(1) - Perform these services at the mileage or number of months (since the last time), whichever comes first.			

## NORMAL MAINTENANCE SERVICE SCHEDULES

The following service schedules refer to vehicles driven under normal operating conditions. For vehicles driven under severe conditions, additional services may be necessary. See SEVERE SERVICE REQUIREMENTS (PERFORM W/SERVICE SCHEDULES) above in this article for additional service requirements.

### 7500 MILE (12,000 KM) SERVICE

#### 7500 MILE (12,000 KM) SERVICE

Service Or Inspect	
	Check Fluid Levels
	Inspect Coolant Hoses and Clamps
	Inspect Brake System
	Inspect Exhaust System
	Inspect C/V Joint boots
	Inspect Steering Linkage/Front Suspension
	Lubricate Chassis
	Rotate Tires and Adjust Air Pressure (Including Spare)
Replace	
	Engine Oil
	Oil Filter
Lubrication Specifications	
Application	Specification
Engine Oil	
Maximum Temperature Less Than 32°F (0°C)	SAE 5W-30 API SG
Minimum Temperature Greater Than 32°F (0°C)	SAE 10W-30 API SG
Fluid Capacities	
Application	Quantity
Engine Oil	3.8 Qts. (3.6L)

## 15,000 MILE (24,000 KM) SERVICE

### 15,000 MILE (24,000 KM) SERVICE

Service Or Inspect	
	Verify Last Major Service Was Performed
	Idle Speed
	Check Fluid Levels
	Check Cooling System Hoses and Clamps
	Check Coolant Strength
	Inspect Air Conditioning System
	Check Low Engine Oil Level Warning System
	Inspect Brake System
	Check Exhaust System & Heat Shielding
	Clean Battery and Battery Terminals
	Inspect Fuel/Tank/Cap/Lines
	Check Operation of Horn, Wipers/Washers & All Exterior Lights
	Inspect Condition of Wiper Blades
	Check Headlight Alignment
	Check Seat Belt Webbing and Release Mechanisms
	Check Parking Brake Operation
	Check Shift/Clutch Interlock Operation
	Inspect C/V Joint boots
	Brake Discs & Calipers
	Parking Brake
	Clutch Release Arm Travel
	Inspect Steering Linkage/Front Suspension
	Lubricate Chassis
	Suspension Mounting Bolts
	Steering Operation, Tie Rods, Gear Box & Boots
	Power Steering System
	Lubricate Weatherstripping with Silicone
	Lubricate Door Hinges

	Lubricate Door Locks
	Check Body Drain Holes
	Rotate Tires and Adjust Air Pressure
	Replace
	Engine Oil
	Oil Filter
	Lubrication Specifications
Application	Specification
Engine Oil	
Maximum Temperature Less Than 32°F (0°C)	SAE 5W-30 API SG
Minimum Temperature Greater Than 32°F (0°C)	SAE 10W-30 API SG
	Fluid Capacities
Application	Quantity
Engine Oil	3.8 Qts. (3.6L)

## 22,500 MILE (36,000 KM) SERVICE

22,500 MILE (36,000 KM) SERVICE

	Service Or Inspect
	Verify Last Major Service Was Performed
	Check Fluid Levels
	Check Cooling System Hoses and Clamps
	Check Exhaust System & Heat Shielding
	Inspect C/V Joint boots
	Inspect Power Steering System (If Equipped)
	Inspect Steering Linkage/Front Suspension
	Lubricate Chassis
	Inspect Front Brake Pads & Rotors
	Inspect Brake System Hoses & Lines
	Inspect Shocks/Struts for Leakage
	Inspect Tire Wear Pattern
	Rotate Tires and Adjust Air Pressure (Including Spare)



Replace	
	Engine Oil
	Oil Filter
Lubrication Specifications	
Application	Specification
Engine Oil	
Maximum Temperature Less Than 32°F (0°C)	SAE 5W-30 API SG
Minimum Temperature Greater Than 32°F (0°C)	SAE 10W-30 API SG
Fluid Capacities	
Application	Quantity
Engine Oil	3.8 Qts. (3.6L)

### 30,000 MILE (48,000 KM) SERVICE

#### 30,000 MILE (48,000 KM) SERVICE

Service Or Inspect	
	Verify Last Major Service Was Performed
	Idle Speed
	Check Fluid Levels
	Check Cooling System Hoses and Clamps
	Engine Coolant Level Warning System
	Check Low Engine Oil Level Warning System
	Inspect Air Conditioning System
	Check Exhaust System & Heat Shielding
	Clean Battery and Battery Terminals
	Inspect/Adjust Accessory Drive Belts (Replace if Required)
	Crankcase Ventilation System
	ABS System Operation
	Brake Hoses & Lines
	Brake Discs & Calipers
	Parking Brake
	Clutch Release Arm Travel
	Suspension Mounting Bolts

	Steering Operation, Tie Rods, Gear Box & Boots
	Inspect C/V Joint boots
	Inspect Power Steering System (If Equipped)
	Suspension Bushings, Springs, Arms & Rear Jounce Bumpers
	Front & Rear Suspension Ball Joints
	Rear Suspension Uni-Ball and Sliding Rubber Bushing
	Parking Brake System
	Inspect Shocks/Struts for Leakage
	Inspect Tire Wear Pattern
	Rotate Tires and Adjust Air Pressure (Including Spare)
	Replace
	Engine Oil
	Oil Filter
	Spark Plugs
	Air Filter Element
	Fuel Filter
	Manual Transmission Fluid
	Rear Axle Fluid
	Drain, Refill and Bleed Brake System
	Engine Coolant
Lubrication Specifications	
Application	Specification
Engine Oil	
Maximum Temperature Less Than 32°F (0°C)	SAE 5W-30 API SG
Minimum Temperature Greater Than 32°F (0°C)	SAE 10W-30 API SG
Engine Coolant	50/50 Water/Ethylene Glycol Mix
Manual Transmission	SAE 75W-90 Or SAE 80W-90 API GL-4, GL-5
Rear Axle	SAE 80W-90 API GL-5
Fluid Capacities	
Application	Quantity
Cooling System	6.3 Qts. (6.0L)
Engine Oil	3.8 Qts. (3.6L)
Manual Transmission Oil	2.1 Qts. (2.0L)
Rear Axle Oil	

1990-94 .....	0.7 Qts. (0.7L)
1995 .....	1.1 Qts. (1.0L)
Service Labor Times	
Application .....	(1) Hours
Automatic Transaxle .....	3.0
Manual Transaxle .....	3.0
(1) - Add 0.3 hr. if vehicle is equipped with air conditioning.	

### 37,500 MILE (60,000 KM) SERVICE

#### 37,500 MILE (60,000 KM) SERVICE

Service Or Inspect	
	Verify Last Major Service Was Performed
	Check Fluid Levels
	Check Cooling System Hoses and Clamps
	Check Exhaust System & Heat Shielding
	Inspect Brake System
	Inspect C/V Joint boots
	Inspect Steering Linkage/Front Suspension
	Lubricate Chassis
	Rotate Tires and Adjust Air Pressure (Including Spare)
Replace	
	Engine Oil
	Oil Filter
Lubrication Specifications	
Application .....	Specification
Engine Oil	
Maximum Temperature Less Than 32°F (0°C) .....	SAE 5W-30 API SG
Minimum Temperature Greater Than 32°F (0°C) .....	SAE 10W-30 API SG
Fluid Capacities	
Application .....	Quantity
Engine Oil .....	3.8 Qts. (3.6L)

### 45,000 MILE (72,000 KM) SERVICE

45,000 MILE (72,000 KM) SERVICE

	Service Or Inspect
	Verify Last Major Service Was Performed
	Idle Speed
	Check Fluid Levels
	Check Cooling System Hoses and Clamps
	Check Coolant Strength
	Check Low Engine Oil Level Warning System
	Inspect Air Conditioning System
	Inspect Brake System
	Check Exhaust System & Heat Shielding
	Clean Battery and Battery Terminals
	Inspect Fuel/Tank/Cap/Lines
	Check Operation of Horn, Wipers/Washers & All Exterior Lights
	Inspect Condition of Wiper Blades
	Check Headlight Alignment
	Check Seat Belt Webbing and Release Mechanisms
	Check Parking Brake Operation
	Check Shift/Clutch Interlock Operation
	Inspect C/V Joint boots
	Brake Discs & Calipers
	Parking Brake
	Clutch Release Arm Travel
	Inspect Steering Linkage/Front Suspension
	Lubricate Chassis
	Suspension Mounting Bolts
	Steering Operation, Tie Rods, Gear Box & Boots
	Lubricate Weatherstripping with Silicone
	Lubricate Door Hinges
	Lubricate Door Locks
	Check Body Drain Holes
	Rotate Tires and Adjust Air Pressure

Replace	
Engine Oil	
Oil Filter	
Lubrication Specifications	
Application	Specification
Engine Oil	
Maximum Temperature Less Than 32°F (0°C)	SAE 5W-30 API SG
Minimum Temperature Greater Than 32°F (0°C)	SAE 10W-30 API SG
Fluid Capacities	
Application	Quantity
Engine Oil	3.8 Qts. (3.6L)

### 52,500 MILE (84,000 KM) SERVICE

52,500 MILE (84,000 KM) SERVICE

Service Or Inspect	
Verify Last Major Service Was Performed	
Change Engine Oil	
Change Oil Filter	
Lubrication Specifications	
Application	Specification
Engine Oil	
Maximum Temperature Less Than 32°F (0°C)	SAE 5W-30 API SG
Minimum Temperature Greater Than 32°F (0°C)	SAE 10W-30 API SG
Fluid Capacities	
Application	Quantity
Engine Oil	3.8 Qts. (3.6L)

### 60,000 MILE (96,000 KM) SERVICE

60,000 MILE (96,000 KM) SERVICE

Service Or Inspect	
Verify Last Major Service Was Performed	
Idle Speed	

	Check Fluid Levels
	Check Cooling System Hoses and Clamps
	Engine Coolant Level Warning System
	Check Low Engine Oil Level Warning System
	Inspect Air Conditioning System
	Check Exhaust System & Heat Shielding
	Clean Battery and Battery Terminals
	Inspect/Adjust Accessory Drive Belts (Replace if Required)
	Crankcase Ventilation System
	ABS System Operation
	Brake Hoses & Lines
	Brake Discs & Calipers
	Parking Brake
	Clutch Release Arm Travel
	Suspension Mounting Bolts
	Steering Operation, Tie Rods, Gear Box & Boots
	Inspect C/V Joint boots
	Inspect Power Steering System (If Equipped)
	Suspension Bushings, Springs, Arms & Rear Jounce Bumpers
	Front & Rear Suspension Ball Joints
	Rear Suspension Uni-Ball and Sliding Rubber Bushing
	Parking Brake System
	Inspect Shocks/Struts for Leakage
	Inspect Tire Wear Pattern
	Rotate Tires and Adjust Air Pressure (Including Spare)
	Replace
	Engine Oil
	Oil Filter
	Spark Plugs
	Air Filter Element
	Camshaft Timing Belt

	Drain, Refill and Bleed Brake System
	Engine Coolant
	Fuel Filter
	Manual Transmission Oil
	Rear Axle Oil
Lubrication Specifications	
Application	Specification
Engine Oil	
Maximum Temperature Less Than 32°F (0°C) .....	SAE 5W-30 API SG
Minimum Temperature Greater Than 32°F (0°C) .....	SAE 10W-30 API SG
Engine Coolant .....	50/50 Water/Ethylene Glycol Mix
Manual Transmission .....	SAE 75W-90 Or SAE 80W-90 API GL-4, GL-5
Rear Axle .....	SAE 80W-90 API GL-5
Fluid Capacities	
Application	Quantity
Cooling System .....	6.3 Qts. (6.0L)
Engine Oil .....	3.8 Qts. (3.6L)
Manual Transmission Oil .....	2.1 Qts. (2.0L)
Rear Axle Oil	
1990-94 .....	0.7 Qts. (0.7L)
1995 .....	1.1 Qts. (1.0L)
Service Labor Times	
Application	(1) Hours
Automatic Transaxle .....	6.3
Manual Transaxle .....	6.8
(1) - Add 0.3 hr. if vehicle is equipped with air conditioning.	

## 67,500 MILE (108,000 KM) SERVICE

### 67,500 MILE (108,000 KM) SERVICE

	Service Or Inspect
	Verify Last Major Service Was Performed
	Check Fluid Levels
	Check Cooling System Hoses and Clamps
	Check Exhaust System & Heat Shielding
	Inspect Brake System
	Inspect C/V Joint boots

	Inspect Steering Linkage/Front Suspension
	Lubricate Chassis
	Rotate Tires and Adjust Air Pressure (Including Spare)
	Replace
	Engine Oil
	Oil Filter
	Lubrication Specifications
Application	Specification
Engine Oil	
Maximum Temperature Less Than 32°F (0°C)	..... SAE 5W-30 API SG
Minimum Temperature Greater Than 32°F (0°C)	..... SAE 10W-30 API SG
	Fluid Capacities
Application	Quantity
Engine Oil	..... 3.8 Qts. (3.6L)

## 75,000 MILE (120,000 KM) SERVICE

### 75,000 MILE (120,000 KM) SERVICE

	Service Or Inspect
	Verify Last Major Service Was Performed
	Idle Speed
	Check Fluid Levels
	Check Cooling System Hoses and Clamps
	Check Coolant Strength
	Check Low Engine Oil Level Warning System
	Inspect Air Conditioning System
	Inspect Brake System
	Check Exhaust System & Heat Shielding
	Clean Battery and Battery Terminals
	Inspect Fuel/Tank/Cap/Lines
	Check Operation of Horn, Wipers/Washers & All Exterior Lights
	Inspect Condition of Wiper Blades



	Check Headlight Alignment
	Check Seat Belt Webbing and Release Mechanisms
	Check Parking Brake Operation
	Check Shift/Clutch Interlock Operation
	Inspect C/V Joint boots
	Brake Discs & Calipers
	Parking Brake
	Clutch Release Arm Travel
	Inspect Steering Linkage/Front Suspension
	Lubricate Chassis
	Suspension Mounting Bolts
	Steering Operation, Tie Rods, Gear Box & Boots
	Lubricate Weatherstripping with Silicone
	Lubricate Door Hinges
	Lubricate Door Locks
	Check Body Drain Holes
	Rotate Tires and Adjust Air Pressure
	Replace
	Engine Oil
	Oil Filter
	Check Fluid Levels
	Check Cooling System Hoses and Clamps
	Check Exhaust System & Heat Shielding
	Inspect C/V Joint boots
	Inspect Power Steering System (If Equipped)
	Inspect Steering Linkage/Front Suspension
	Lubricate Chassis
	Inspect Front Brake Pads & Rotors
	Inspect Brake System Hoses & Lines
	Inspect Shocks/Struts for Leakage
	Inspect Tire Wear Pattern
	Rotate Tires and Adjust Air Pressure (Including Spare)

Replace	
Engine Oil	
Oil Filter	
Lubrication Specifications	
Application	Specification
Engine Oil	
Maximum Temperature Less Than 32°F (0°C)	SAE 5W-30 API SG
Minimum Temperature Greater Than 32°F (0°C)	SAE 10W-30 API SG
Fluid Capacities	
Application	Quantity
Engine Oil	3.8 Qts. (3.6L)

## 82,500 MILE (132,000 KM) SERVICE

82,500 MILE (132,000 KM) SERVICE

Service Or Inspect	
Verify Last Major Service Was Performed	
Check Fluid Levels	
Check Cooling System Hoses and Clamps	
Check Exhaust System & Heat Shielding	
Inspect C/V Joint boots	
Inspect Power Steering System (If Equipped)	
Inspect Steering Linkage/Front Suspension	
Lubricate Chassis	
Inspect Front Brake Pads & Rotors	
Inspect Brake System Hoses & Lines	
Inspect Shocks/Struts for Leakage	
Inspect Tire Wear Pattern	
Rotate Tires and Adjust Air Pressure (Including Spare)	
Replace	
Engine Oil	
Oil Filter	

Lubrication Specifications	
Application	Specification
Engine Oil	
Maximum Temperature Less Than 32°F (0°C) .....	SAE 5W-30 API SG
Minimum Temperature Greater Than 32°F (0°C) .....	SAE 10W-30 API SG
Fluid Capacities	
Application	Quantity
Engine Oil .....	3.8 Qts. (3.6L)

## 90,000 MILE (144,000 KM) SERVICE

90,000 MILE (144,000 KM) SERVICE

Service Or Inspect	
<input type="checkbox"/>	Verify Last Major Service Was Performed
<input type="checkbox"/>	Idle Speed
<input type="checkbox"/>	Check Fluid Levels
<input type="checkbox"/>	Check Cooling System Hoses and Clamps
<input type="checkbox"/>	Engine Coolant Level Warning System
<input type="checkbox"/>	Check Low Engine Oil Level Warning System
<input type="checkbox"/>	Inspect Air Conditioning System
<input type="checkbox"/>	Check Exhaust System & Heat Shielding
<input type="checkbox"/>	Clean Battery and Battery Terminals
<input type="checkbox"/>	Inspect/Adjust Accessory Drive Belts (Replace if Required)
<input type="checkbox"/>	Crankcase Ventilation System
<input type="checkbox"/>	ABS System Operation
<input type="checkbox"/>	Brake Hoses & Lines
<input type="checkbox"/>	Brake Discs & Calipers
<input type="checkbox"/>	Parking Brake
<input type="checkbox"/>	Clutch Release Arm Travel
<input type="checkbox"/>	Suspension Mounting Bolts
<input type="checkbox"/>	Steering Operation, Tie Rods, Gear Box & Boots
<input type="checkbox"/>	Inspect C/V Joint boots
<input type="checkbox"/>	Inspect Power Steering System (If Equipped)

	Suspension Bushings, Springs, Arms & Rear Jounce Bumpers
	Front & Rear Suspension Ball Joints
	Rear Suspension Uni-Ball and Sliding Rubber Bushing
	Parking Brake System
	Inspect Shocks/Struts for Leakage
	Inspect Tire Wear Pattern
	Rotate Tires and Adjust Air Pressure (Including Spare)
	Replace
	Engine Oil
	Oil Filter
	Spark Plugs
	Air Filter Element
	Engine Coolant
Lubrication Specifications	
Application	Specification
Engine Oil	
Maximum Temperature	
Less Than 32°F (0°C)	SAE 5W-30 API SG
Minimum Temperature	
Greater Than 32°F (0°C)	SAE 10W-30 API SG
Engine Coolant	50/50 Water/Ethylene Glycol Mix
Manual Transmission	SAE 75W-90 Or SAE 80W-90
	API GL-4, GL-5
Rear Axle	SAE 80W-90 API GL-5
Fluid Capacities	
Application	Quantity
Cooling System	6.3 Qts. (6.0L)
Engine Oil	3.8 Qts. (3.6L)
Manual Transmission Oil	2.1 Qts. (2.0L)
Rear Axle Oil	
1990-94	0.7 Qts. (0.7L)
1995	1.1 Qts. (1.0L)
Service Labor Times	
Application	(1) Hours
Automatic Transaxle	3.0
Manual Transaxle	3.0
(1) - Add 0.3 hr. if vehicle is equipped with air conditioning.	

## 97,500 MILE (156,000 KM) SERVICE

97,500 MILE (156,000 KM) SERVICE

Service Or Inspect	
	Verify Last Major Service Was Performed
	Check Fluid Levels
	Check Cooling System Hoses and Clamps
	Check Exhaust System & Heat Shielding
	Inspect Brake System
	Inspect C/V Joint boots
	Inspect Steering Linkage/Front Suspension
	Lubricate Chassis
	Rotate Tires and Adjust Air Pressure (Including Spare)
Replace	
	Engine Oil
	Oil Filter
Lubrication Specifications	
Application	Specification
Engine Oil	
Maximum Temperature Less Than 32°F (0°C)	SAE 5W-30 API SG
Minimum Temperature Greater Than 32°F (0°C)	SAE 10W-30 API SG
Fluid Capacities	
Application	Quantity
Engine Oil	3.8 Qts. (3.6L)

## 105,000 MILE (168,000 KM) SERVICE

105,000 MILE (168,000 KM) SERVICE

Service Or Inspect	
	Verify Last Major Service Was Performed
	Idle Speed
	Check Fluid Levels
	Check Cooling System Hoses and Clamps
	Check Coolant Strength

	Check Low Engine Oil Level Warning System
	Inspect Air Conditioning System
	Inspect Brake System
	Check Exhaust System & Heat Shielding
	Clean Battery and Battery Terminals
	Inspect Fuel/Tank/Cap/Lines
	Check Operation of Horn, Wipers/Washers & All Exterior Lights
	Inspect Condition of Wiper Blades
	Check Headlight Alignment
	Check Seat Belt Webbing and Release Mechanisms
	Check Parking Brake Operation
	Check Shift/Clutch Interlock Operation
	Inspect C/V Joint boots
	Brake Discs & Calipers
	Parking Brake
	Clutch Release Arm Travel
	Inspect Steering Linkage/Front Suspension
	Lubricate Chassis
	Suspension Mounting Bolts
	Steering Operation, Tie Rods, Gear Box & Boots
	Lubricate Weatherstripping with Silicone
	Lubricate Door Hinges
	Lubricate Door Locks
	Check Body Drain Holes
	Rotate Tires and Adjust Air Pressure
	Replace
	Engine Oil
	Oil Filter
	Lubrication Specifications
Application	Specification
Engine Oil	
Maximum Temperature	

Less Than 32°F (0°C) .....	SAE 5W-30 API SG
Minimum Temperature	
Greater Than 32°F (0°C) .....	SAE 10W-30 API SG
Fluid Capacities	
Application	Quantity
Engine Oil .....	3.8 Qts. (3.6L)

112,500 MILE (180,000 KM) SERVICE

112,500 MILE (180,000 KM) SERVICE

Service Or Inspect	
	Verify Last Major Service Was Performed
	Check Fluid Levels
	Check Cooling System Hoses and Clamps
	Check Exhaust System & Heat Shielding
	Inspect Brake System
	Inspect C/V Joint boots
	Inspect Steering Linkage/Front Suspension
	Lubricate Chassis
	Rotate Tires and Adjust Air Pressure (Including Spare)
Replace	
	Engine Oil
	Oil Filter
Lubrication Specifications	
Application	Specification
Engine Oil	
Maximum Temperature	
Less Than 32°F (0°C) .....	SAE 5W-30 API SG
Minimum Temperature	
Greater Than 32°F (0°C) .....	SAE 10W-30 API SG
Fluid Capacities	
Application	Quantity
Engine Oil .....	3.8 Qts. (3.6L)

120,000 MILE (192,000 KM) SERVICE

120,000 MILE (192,000 KM) SERVICE

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	Service Or Inspect
	Verify Last Major Service Was Performed
	Idle Speed
	Check Fluid Levels
	Check Cooling System Hoses and Clamps
	Engine Coolant Level Warning System
	Check Low Engine Oil Level Warning System
	Inspect Air Conditioning System
	Check Exhaust System & Heat Shielding
	Clean Battery and Battery Terminals
	Inspect/Adjust Accessory Drive Belts (Replace if Required)
	Crankcase Ventilation System
	ABS System Operation
	Brake Hoses & Lines
	Brake Discs & Calipers
	Parking Brake
	Clutch Release Arm Travel
	Suspension Mounting Bolts
	Steering Operation, Tie Rods, Gear Box & Boots
	Inspect C/V Joint boots
	Inspect Power Steering System (If Equipped)
	Suspension Bushings, Springs, Arms & Rear Jounce Bumpers
	Front & Rear Suspension Ball Joints
	Rear Suspension Uni-Ball and Sliding Rubber Bushing
	Parking Brake System
	Inspect Shocks/Struts for Leakage
	Inspect Tire Wear Pattern
	Rotate Tires and Adjust Air Pressure (Including Spare)
	Replace
	Engine Oil
	Oil Filter
	Spark Plugs



	Air Filter Element
	Camshaft Timing Belt
	Drain, Refill and Bleed Brake System
	Engine Coolant
	Fuel Filter
	Manual Transmission Oil
	Rear Axle Oil
Lubrication Specifications	
Application	Specification
Engine Oil	
Maximum Temperature	
Less Than 32°F (0°C)	SAE 5W-30 API SG
Minimum Temperature	
Greater Than 32°F (0°C)	SAE 10W-30 API SG
Engine Coolant	50/50 Water/Ethylene Glycol Mix
Manual Transmission	SAE 75W-90 Or SAE 80W-90
	API GL-4, GL-5
Rear Axle	SAE 80W-90 API GL-5
Fluid Capacities	
Application	Quantity
Cooling System	6.3 Qts. (6.0L)
Engine Oil	3.8 Qts. (3.6L)
Manual Transmission Oil	2.1 Qts. (2.0L)
Rear Axle Oil	
1990-94	0.7 Qts. (0.7L)
1995	1.1 Qts. (1.0L)
Service Labor Times	
Application	(1) Hours
Automatic Transaxle	6.3
Manual Transaxle	6.8
(1) - Add 0.3 hr. if vehicle is equipped with air conditioning.	

## LUBRICATION SPECIFICATIONS

LUBRICATION SPECIFICATIONS TABLE

Application	Fluid Specifications
Brake Fluid	SAE J1703 Or FMVSS116 DOT 3
Engine Oil	
Maximum Temperature Less Than 32°F (0°C)	SAE 5W-30 API SH/CD
Minimum Temperature Greater Than 32°F (0°C)	SAE 10W-30 API SH/CD

Engine Coolant	.....	50/50 Water/Ethylene Glycol Mix
Automatic Transmission	.....	Dexron-IIIE ATF Or Equivalent
Manual Transmission	.....	SAE 75W-90 Or SAE 80W-90
		API GL-4, GL-5
Power Steering Fluid	.....	Dexron-IIIE ATF Or Equivalent
Rear Axle	.....	SAE 80W-90 API GL-5

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## FLUID CAPACITIES

### FLUID CAPACITIES TABLE

Application	Quantity
A/C System R-12 Refrigerant Capacity (1)	
1990-92 .....	28 Ozs.
1993 .....	20 Ozs.
A/C System R-134a Refrigerant Capacity (1)	
1994-95 .....	21 Ozs.
Automatic Transmission Fluid .....	7.1 Qts. (6.7L)
Cooling System .....	6.3 Qts. (6.0L)
Engine Oil .....	3.8 Qts. (3.6L)
Fuel Tank	
1990-92 .....	11.9 Gals. (45L)
1993-95 .....	12.6 Gals. (48L)
Manual Transmission Oil .....	2.1 Qts. (2.0L)
Rear Axle Oil	
1990-94 .....	0.7 Qts. (0.7L)
1995 .....	1.1 Qts. (1.0L)

(1) - Use of R-12 in a R134a system will result in SEVERE DAMAGE.

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