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**MAINTENANCE INFORMATION**  
**Article Text**  
1983 Mazda RX7  
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**ARTICLE BEGINNING**

1983-91 MAINTENANCE  
Mazda Maintenance Information  
  
RX7

**\* PLEASE READ THIS FIRST \***

NOTE: For scheduled maintenance intervals and the related fluid capacities, fluid specifications and labor times for major service intervals, see SCHEDULED SERVICES article in this section. Warranty information and specifications for fluid capacities, lubrication specifications, wheel and tire size, and battery type are covered in this article.

**MODEL IDENTIFICATION**

**VIN LOCATION**

The Vehicle Identification Number (VIN) is located on the left side of the dash panel at the base of the windshield. The VIN chart explains the code characters.

**VIN CODE ID EXPLANATION**

Numbers preceding the explanations in the legend below refer to the sequence of characters as listed on VIN identification label. See VIN example below.

UAA;   
3 (VIN) J M 1 F C 3 3 1 1 K 0 2 0 0 0 0 1 3   
3 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 3   
AAU

- 1 - Manufacturing Country  
J \* Japan
- 2 - Make  
M \* Mazda Motors Corp., Japan
- 3 - Type  
1 \* Passenger Car  
V \* Passenger Car
- 4-5 - Model  
FB \* RX7 (1983-85)  
FC \* RX7 (1986-91)
- 6-7 - Body Style  
33 \* Hatchback

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- 35 \* Convertible
  
- 8 - Modification Code
  - 1 \* 13BE Rotary
  - 2 \* 13BT Rotary (Turbo)
  
- 9 - VIN Check Digit
  - 1 \* Constant For All Models
  
- 10 - Vehicle Model Year
  - D \* 1983
  - E \* 1984
  - F \* 1985
  - G \* 1986
  - H \* 1987
  - J \* 1988
  - K \* 1989
  - L \* 1990
  - M \* 1991
  
- 11 - Assembly Plant
  - 0 \* Hiroshima, Japan
  
- 12-17 - Serial Number
  - \* Sequential Production Number

## MAINTENANCE SERVICE INFORMATION

### 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 the 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

# MAINTENANCE INFORMATION

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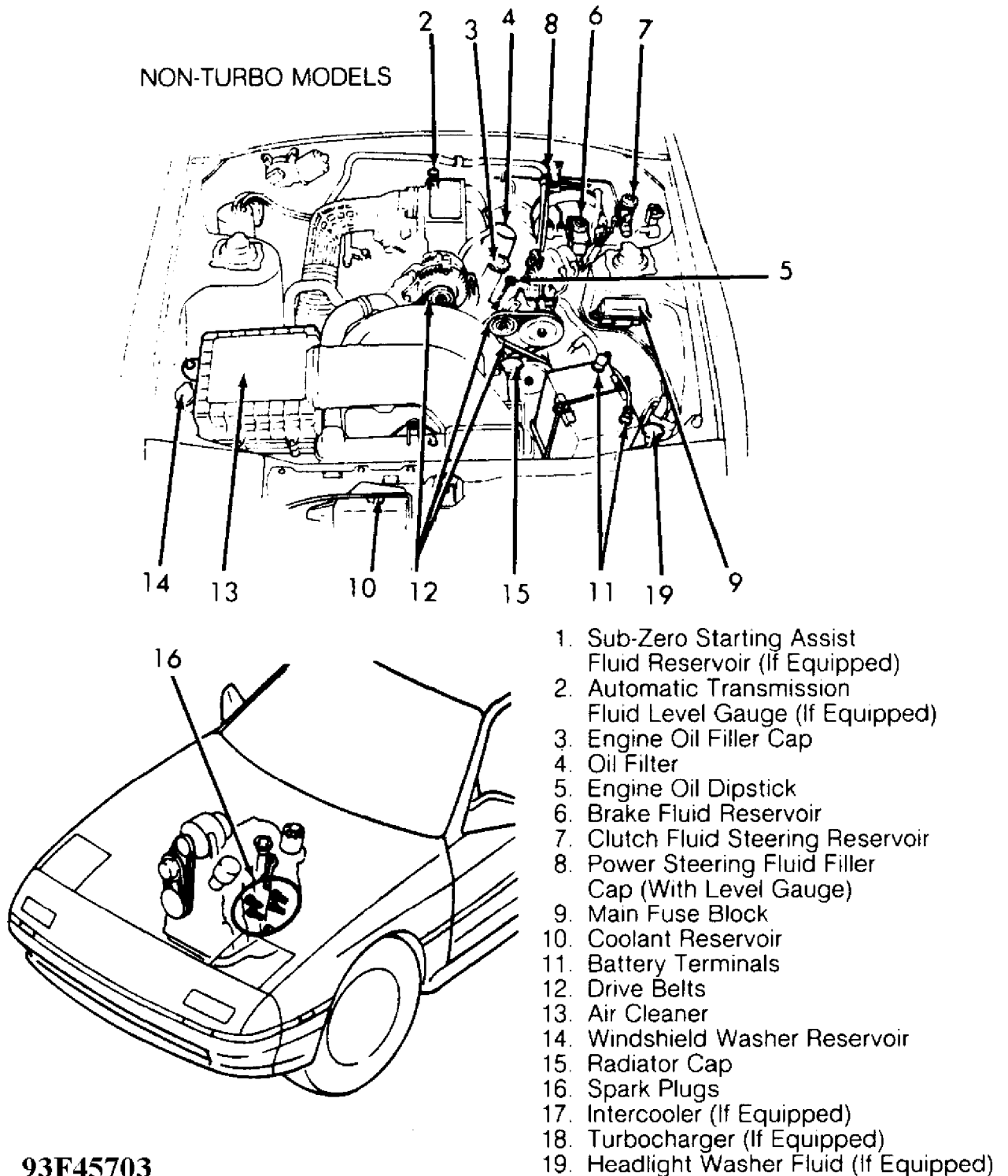
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### SERVICE POINT LOCATIONS



**93F45703**

Fig. 1: Service Point Locations (Typical Non-Turbo Engine)  
Courtesy of Mazda Motor of America, Inc.

## MAINTENANCE INFORMATION

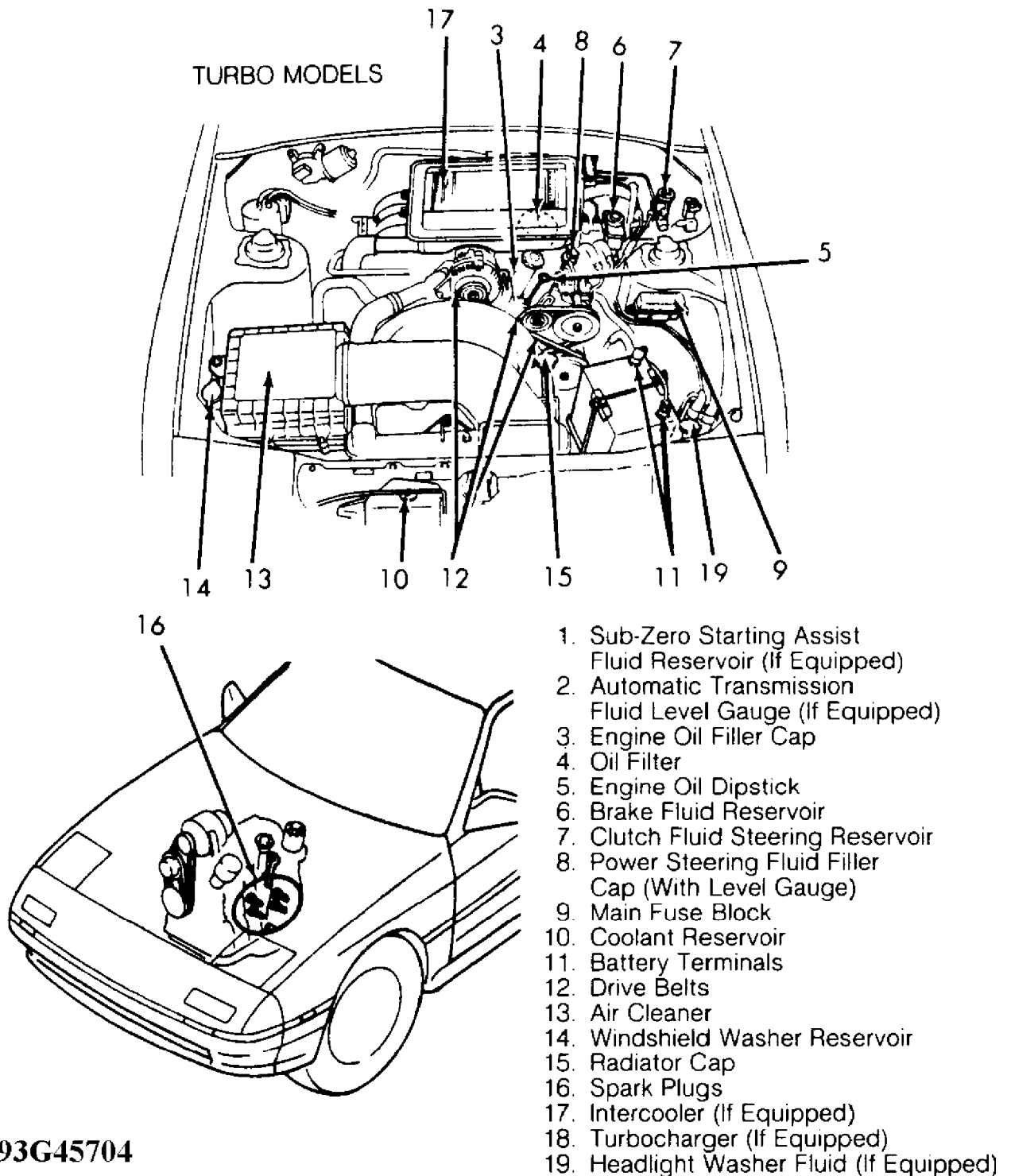
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93G45704

Fig. 2: Service Point Locations (Typical Turbo Engine)

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### Article Text (p. 5)

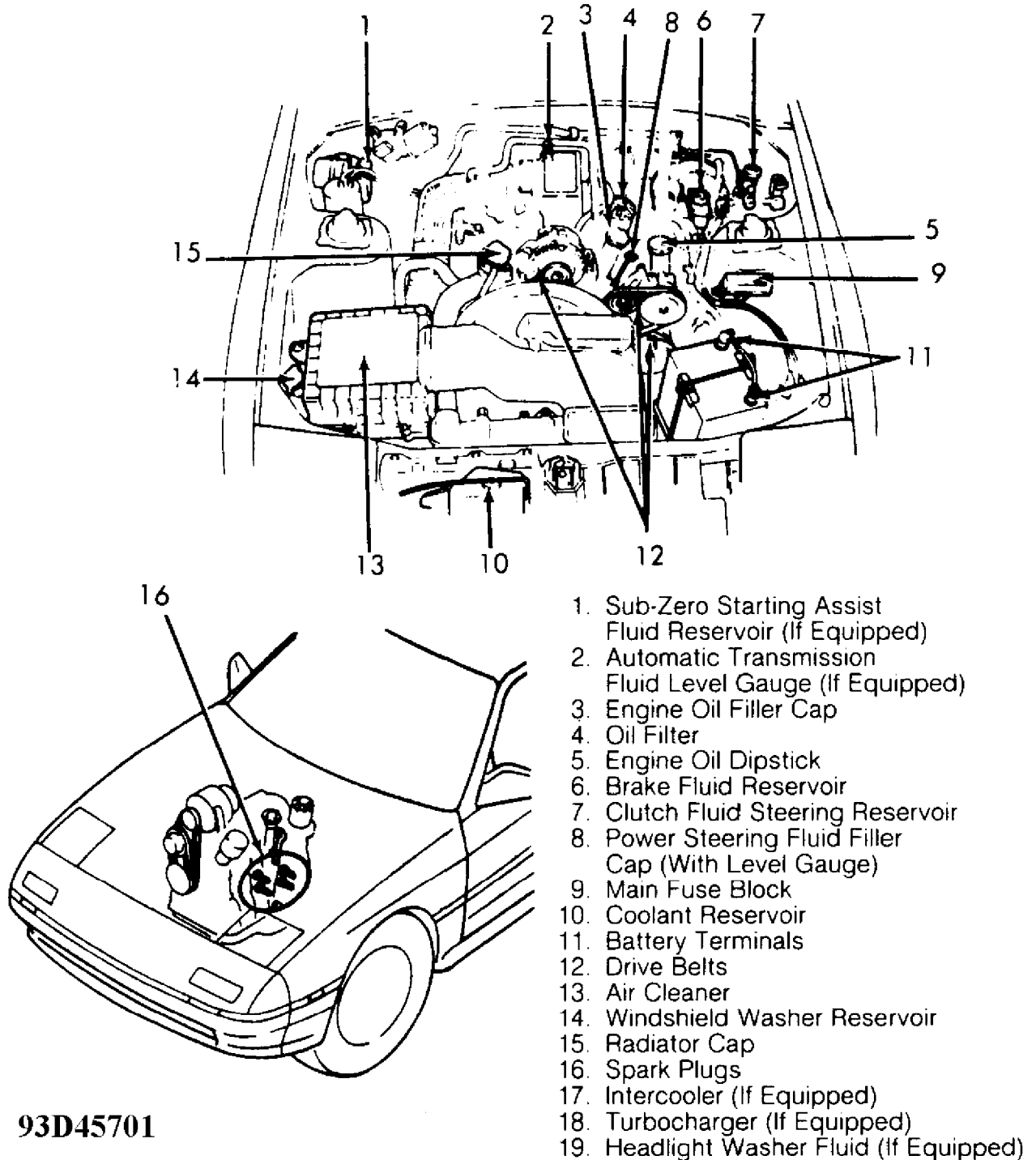
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### MODELS WITH SUB-ZERO STARTING ASSIST



**93D45701**

Fig. 3: Service Point Locations (Non-Turbo W/Sub-Zero Start Assist)

Courtesy of Mazda Motor of America, Inc.

## MAINTENANCE INFORMATION

### Article Text (p. 6)

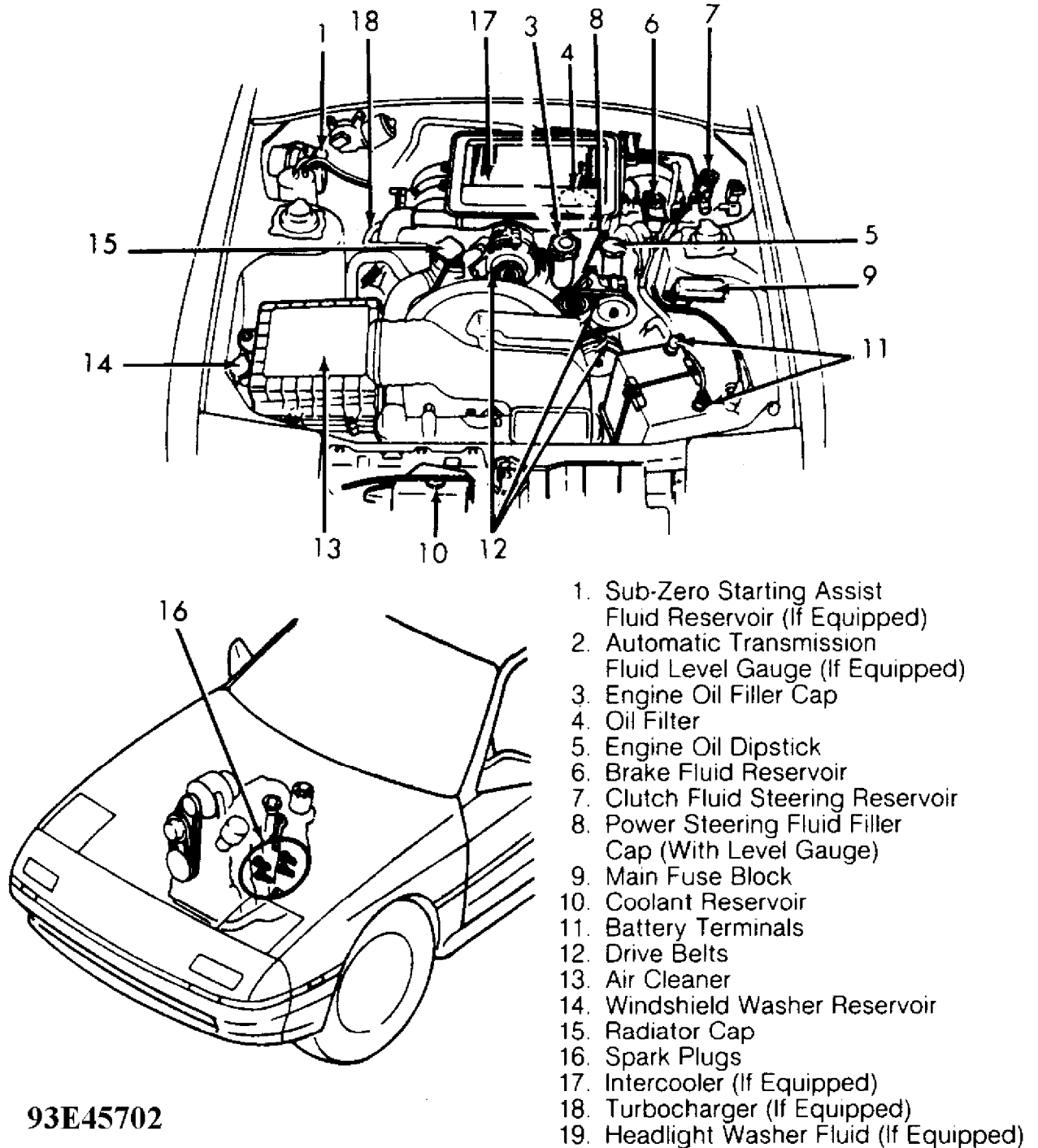
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### TURBO MODELS WITH SUB-ZERO STARTING ASSIST



93E45702

Fig. 4: Service Point Locations (Turbo W/Sub-Zero Start Assist)

Courtesy of Mazda Motor of America, Inc.

### INFORMATION LABEL LOCATIONS

# MAINTENANCE INFORMATION

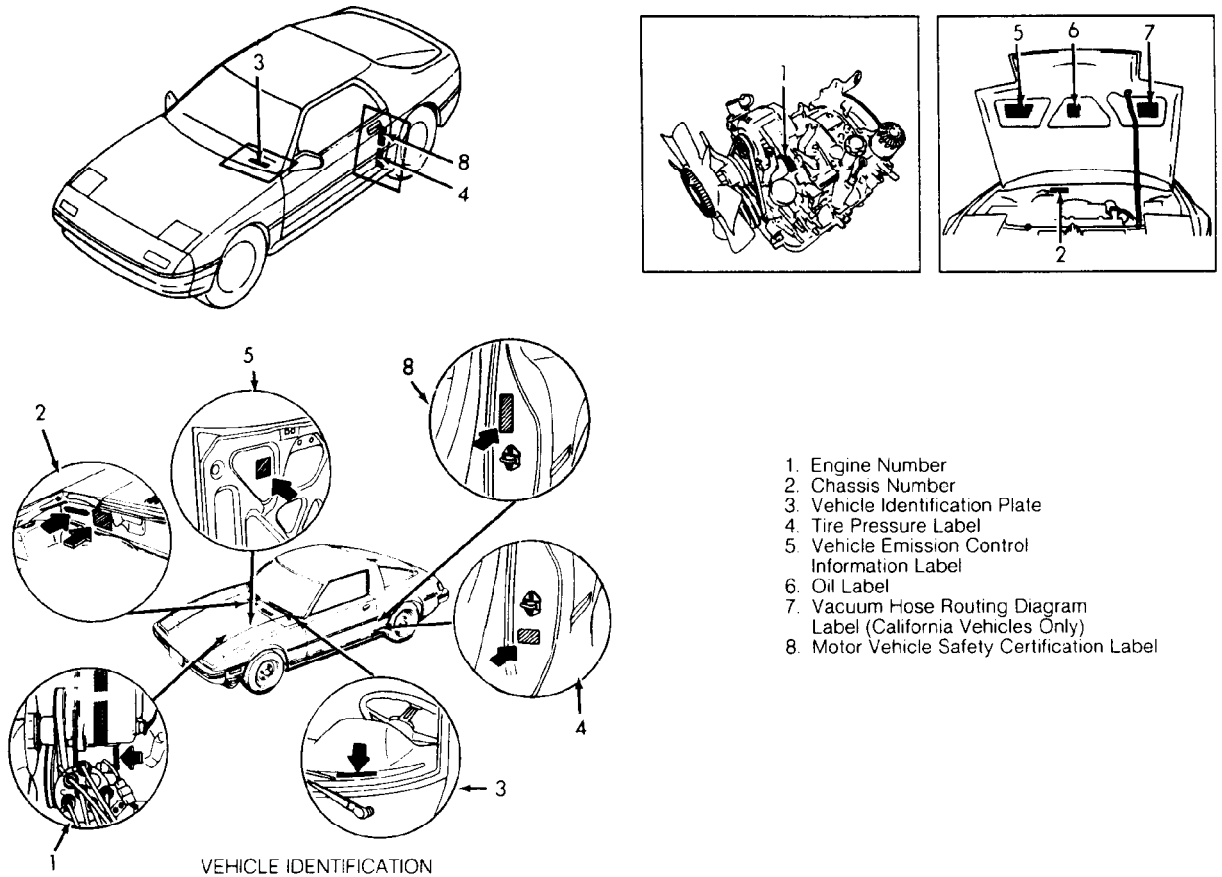
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1. Engine Number
2. Chassis Number
3. Vehicle Identification Plate
4. Tire Pressure Label
5. Vehicle Emission Control Information Label
6. Oil Label
7. Vacuum Hose Routing Diagram Label (California Vehicles Only)
8. Motor Vehicle Safety Certification Label

90105054  
 Fig. 5: Information Label Locations  
 Courtesy of Mazda Motor of America, Inc.

### SERVICE LABOR TIMES

#### SERVICE LABOR TIMES TABLE (HOURS)

Application	30,000 Mile Service	60,000 Mile Service
RX7		
Automatic Transmission	2.1	3.7
Manual Transmission	2.1	4.1

### LUBRICATION SPECIFICATIONS

#### LUBRICATION SPECIFICATIONS TABLE

Application	Fluid Specifications
Brake Fluid	SAE J1703 or FMVSS116 DOT 3
Engine Oil	



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Minimum Temperature	
Greater Than 0°F (-18°C)	SAE 10W-30 API SG/CD
Maximum Temperature	
Less Than 0°F (-18°C)	SAE 5W-30 API SG/CD
Automatic Transmission	ATF M-III or Dexron IIE
Manual Transmission	SAE 75W-90 GL-5
Power Steering Fluid	Dexron-IIE ATF
Rear Axle	SAE 80W-90 GL-5

**FLUID CAPACITIES**

FLUID CAPACITIES TABLE

Application	Quantity
A/C System R-12 Refrigerant Capacity	
1983-85	36 Ozs.
1986-89	
Nippondenso Compressor	22-25 Ozs.
Sanden Compressor	30 Ozs.
1990-91	26.5-28 Ozs.
Automatic Transaxle	7.7-7.9 Qts. (7.3-7.5L)
Cooling System	
1983-85	9.0-10.0 Qts. (8.5-9.5L)
1986-91	
Non-Turbo	7.7 Qts. (7.3L)
Turbo	9.2 Qts. (8.7L)
Engine Oil	4.4-4.7 Qts. (4.2-4.4L)
Fuel Tank	
1983-87	16.6 Gals. (63L)
1988-91	18.5 Gals. (70L)
Manual Transmission Oil	2.1-2.6 Qts. (2.0-2.5L)
Rear Axle Oil	
Turbo	1.3-1.5 Qts. (1.2-1.4L)
Non-Turbo	1.4-1.7 Qts. (1.3-1.6L)

**WHEEL & TIRE SPECIFICATIONS**

WHEEL & TIRE SPECIFICATIONS TABLE

Wheel Size	Tire Size
15 x 6 in. (Steel Non-Directional)	205/60 VR15
15 x 6.5" (Alloy, Directional)	205/60 VR15
16 x 7.0" (Alloy, Directional)	205/55 R16 88V
15 x 4T (Steel, Temporary)	T135/70 D15
15 x 4T (Alloy, Temporary)	T135/70 D16

**TIRE INFLATION**

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### TIRE INFLATION SPECIFICATIONS

AA

Application (1)	Specification psi (kg/cm <sup>2</sup> )
Normal Loads .....	32 (2.2)
Temporary Spare .....	60 (4.2)

(1) - Tire inflation label is located near top of driver's door.

AA

### WHEEL TIGHTENING

Tighten wheel lug nuts to 65-87 ft. lbs. (88-118 N.m).

### BATTERY SPECIFICATIONS

CAUTION: 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 COMPUTER RELEARN PROCEDURES article in the GENERAL INFORMATION Section.

If battery is replaced, new battery should be of the same group number as shown on the original battery's label. Use group 24 batteries with a cold crank rating of 600 amps.

### CAUTIONS & WARNINGS

#### SUPPLEMENTAL RESTRAINT SYSTEM (AIR BAG)

NOTE: See the AIR BAGS 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 BAGS article in ACCESSORIES/SAFETY EQUIPMENT.

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

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position from passenger's side of vehicle in case of accidental air bag inflation

### 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 COMPUTER RELEARN PROCEDURES article in GENERAL INFORMATION section.

### 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

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.

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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.

#### COOLANT (PROPYLENE-GLYCOL FORMULATIONS)

CAUTION: To avoid possible damage to vehicle use only ethylene-glycol based coolants with a mixture ratio from 44-68% anti-freeze. DO NOT use 100% anti-freeze as it will cause the formation of cooling system deposits. This results in coolant temperatures of over 300°F (149°C) which can melt plastics. 100% anti-freeze has a freeze point of only -8°F (-22°C).

CAUTION: Propylene-Glycol Mixtures has a smaller temperature range than Ethylene-Glycol. The temperature range (freeze-boil) of a 50/50 Anti-Freeze/Water Mix is as follows:

Propylene-Glycol	-26°F (-32°C)	-	257°F (125°C)
Ethylene-Glycol	-35°F (-37°C)	-	263°F (128°C)

CAUTION: Propylene-Glycol/Ethylene-Glycol Mixtures can cause the destabilization of various corrosion inhibitors. Also Propylene-Glycol/Ethylene-Glycol has a different specific gravity than Ethylene-Glycol coolant, which will result in inaccurate freeze point calculations.

#### 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

WARNING: 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: Never operate headlight retractor when a person's hands, or

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other objects are on or near the headlights. When working on the headlights always remove the headlight retractor fuse.

#### **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.

#### **TURBOCHARGED MODELS**

**CAUTION:** Do not race engine immediately after starting. When stopping engine, allow engine to idle for approximately 60 seconds before shutting it off. Failure to do so may cause turbocharger damage due to lack of oil flowing to the turbocharger bearings.

#### **WARRANTY INFORMATION**

**CAUTION:** Due to the different warranties offered in various regions and the variety of after-market extended warranties available, please refer to the warranty package that came with the vehicle to verify all warranty options.

#### **BASIC NEW CAR LIMITED WARRANTY**

Warrants basic components against defects in materials and workmanship for 36 months or 50,000 miles, whichever occurs first. Tires are covered by a separate warranty offered by the tire manufacturer.

#### **AIR BAG WARRANTY**

Covered by the basic warranty for a period of 3 years or 50,000 miles, whichever comes first. For 1991 model, the warranty lasts for a period of 5 years or 60,000 miles, whichever comes first.

#### **ANTI-CORROSION WARRANTY**

Covers holes caused by corrosion in body sheet metal panels for 60 months, without respect to mileage, so long as regular inspection and maintenance services are performed.

#### **REPLACEMENT PARTS & ACCESSORIES**

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Manufacturer supplied parts and accessories are warranted against defects in material or workmanship for 12 months without regard to mileage. If installed by dealer, the part or accessory will be repaired or replaced without charge for parts or labor.

### EMISSION CONTROL SYSTEM

Manufacturer warrants to the initial purchaser and each subsequent purchaser that this vehicle is designed, built, and equipped so as to conform at the time of sale with all U.S. and California Air Resources Board emission regulations applicable at the time of manufacture. Manufacturer also warrants that this vehicle is free from defects in materials and workmanship which cause it to fail to conform with applicable regulations within the first 5 years or 50,000 miles, whichever ever occurs first.

#### Emission Performance Warranty Parts List (60 Months Or 50,000 Miles)

- \* Air/Fuel Metering System
- \* Ignition Spark Advance/Retard System
- \* Evaporative Emission Control
- \* Positive Crankcase Ventilation System
- \* Exhaust Gas Recirculation System
- \* Air Injection System
- \* Catalyst System
- \* Electronic Controls Used In Above Systems
- \* Miscellaneous Items Used In Above Systems

#### Additional Emission Warranty Parts List For California (7 Years Or 70,000 Miles)

- \* Air Flow Meter
- \* Throttle Body
- \* E.G.I. Control Unit
- \* Monolithic Catalytic Converter
- \* Fuel Pump Assembly

### FUSES & CIRCUIT BREAKERS

#### FUSE PANEL LOCATION

The main fuse block is located at the right rear side of the engine compartment and contains high amperage fuses which protect multiple circuits. Fuse box located above driver's left knee, accessible through a removable cover, contains fuses for individual circuits.

#### FUSE PANEL & FUSE BLOCK IDENTIFICATION (1983-85)

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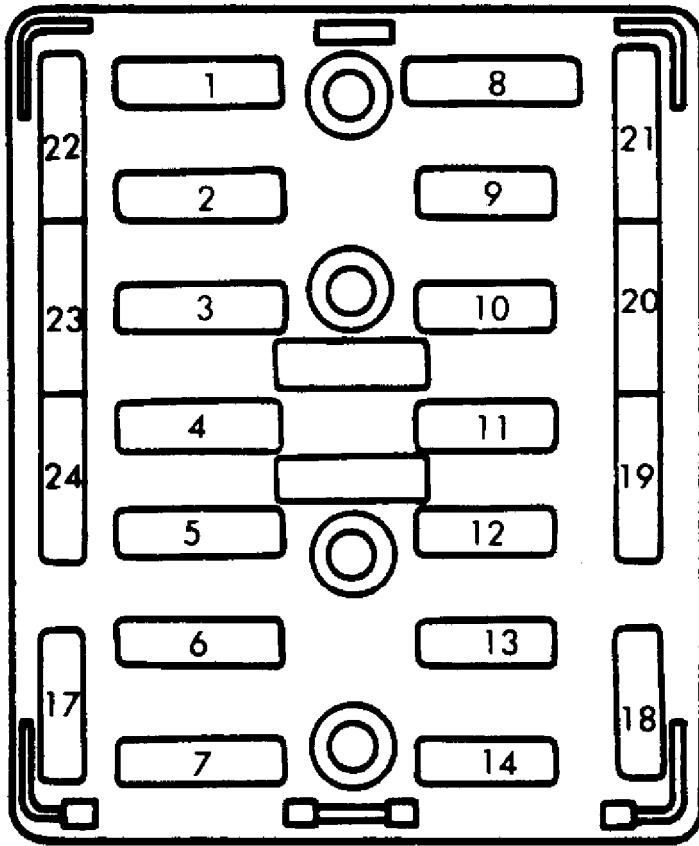
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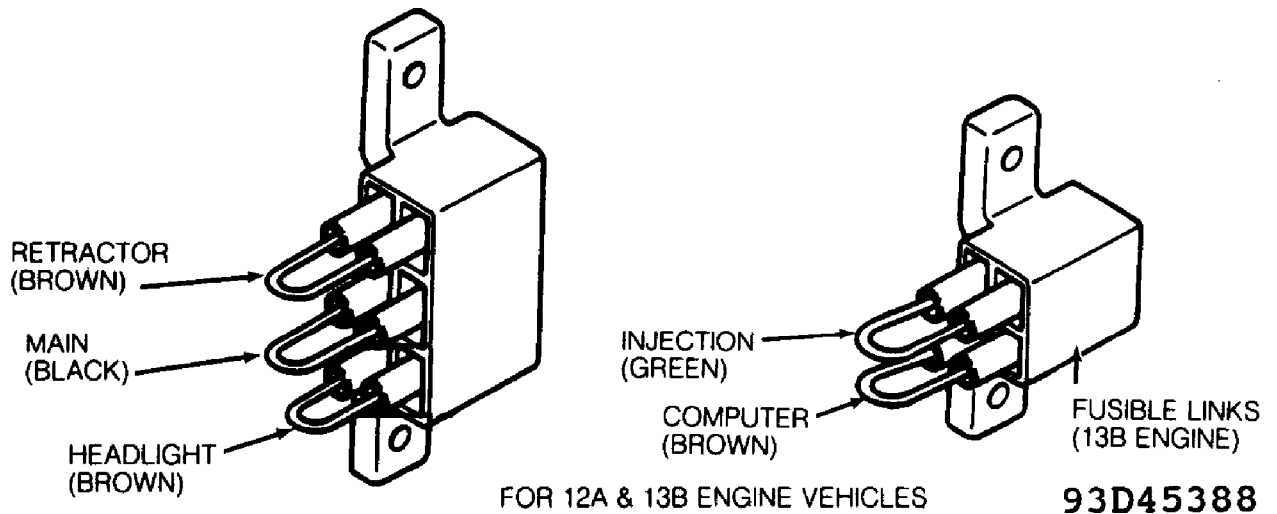
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**93C45387**

Fig. 6: Fuse Panel Identification (1983-85)

Courtesy of Mazda Motor of America Inc.



FOR 12A & 13B ENGINE VEHICLES

**93D45388**

Fig. 7: Fuse Block Identification (1983-85)

Courtesy of Mazda Motor of America Inc.

- 1 - Empty
- 2 - 15 Amp  
Horn

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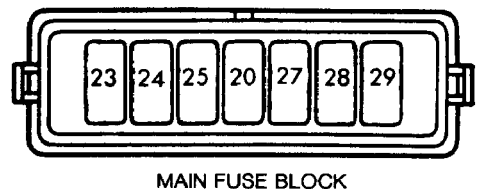
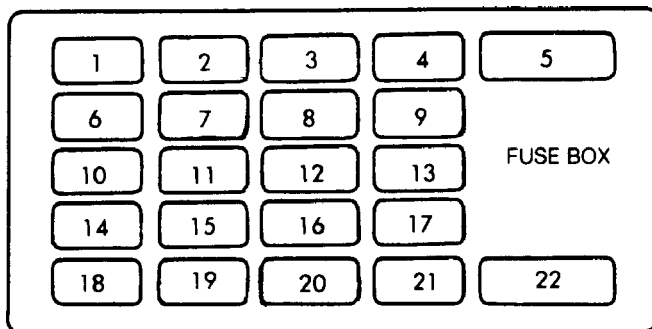
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- 3 - 15 Amp  
Hazard Warning Lights
- 4 - 10 Amp  
Taillights
- 5 - 20 Amp  
Roof Opener
- 6 - 10 Amp  
Cigarette Lighter
- 7 - 20 Amp  
Radio & Antenna
- 8 - 15 Amp  
Gauges & Back-Up Lights
- 9 - 20 Amp  
Engine
- 10 - 30 Amp  
Power Windows
- 11 - 20 Amp  
Heater Blower
- 12 - 15 Amp  
Rear Defogger
- 13 - 15 Amp  
Windshield Wipers
- 14 - 10 Amp  
Rear Wiper
- 15 - Empty
- 16 - Empty
- 17 - Empty
- 18 - Empty
- 19 - 15 Amp  
Air Conditioning
- 20 - Empty
- 21 - Empty
- 22 - Empty
- 23 - Empty
- 24 - Empty

### FUSE PANEL & FUSE BLOCK IDENTIFICATION (1986-90)



93E45389

#### FUSE PANEL CIRCUITS

Fig. 8: Fuse Panel & Fuse Block Identification (1986-90)  
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#### Fuse & Circuit Breaker Identification

- 1 - 30 Amp  
Rear Defogger
- 2 - 15 Amp  
Headlights
- 3 - 30 Amp  
Power Windows, AAS System
- 4 - 15 Amp  
Cooling Fan System
- 5 - 15 Amp  
Front Foglight
- 6 - 10 Amp  
Power Door Lock, Power Antenna
- 7 - 15 Amp  
Turn Lights, Hazard Lights, Rear Window Defogger, Passive  
Shoulder Belt
- 8 - 15 Amp  
Front Wiper & Washer, DRL System, Heater, A/C, Diagnostic  
Module
- 9 - 30 Amp  
Passive Shoulder Belt
- 10 - 7.5 Amp  
Courtesy Lights, Cargo & Interior Lights, Stoplight, Warning  
& Buzzer Or Chime, Door Lock Cylinder & Ignition Key Cylinder  
Light, EGI, Emission Control System, Warning & Clock System,  
Theft System, ECAT
- 11 - 10 Amp  
Back-Up Light, Cruise Control, Shift Lock System, ECAT,  
Gauges, Clock, Cooling Fan
- 12 - 10 Amp  
Rear Wiper/Washer (Coupe)
- 13 - 15 Amp  
Anti-Lock Brake System
- 14 - 10 Amp  
Turn Lights, Hazard Lights
- 15 - 15 Amp  
ECAT, Fuel System, EGI & Emission Control System
- 16 - 30 Amp  
Convertible Top System
- 17 - 10 Amp  
Cigarette Lighter, Warning & Clock, Remote Control Mirror,  
Heater & A/C
- 18 - 30 Amp  
Heater & A/C
- 19 - 20 Amp  
Stoplight, Cruise Control
- 20 - 10 Amp  
Rear Window Defogger, Starter, Charge System, Shift Lock,  
ECAT, Power Antenna & Steering, Horn, Stoplight
- 21 - 15 Amp  
Air Bag, Diagnostic Module, (Conv.) Sun Roof, Anti-Lock Brake

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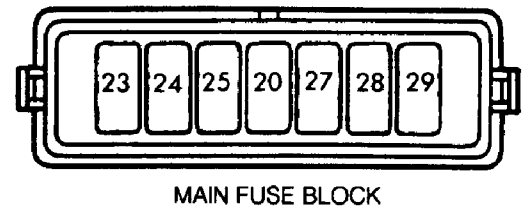
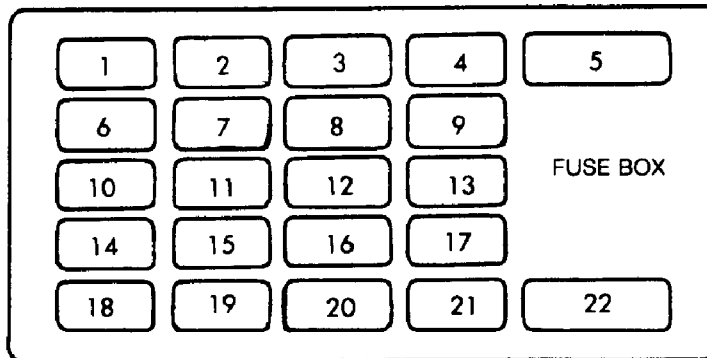
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- 22 - 20 Amp  
System, AAS System (Coupe)
- 23 - 60 Amp  
Audio System
- 24 - 30 Amp  
BTN, Light Switch, Heater, A/C
- 25 - 30 Amp  
Headlights
- 26 - 30 Amp  
Headlight Retractor
- 27 - 100 Amp  
EGI & Emission System
- 28 - 60 Amp  
Starter & Charge System
- 29 - 30 Amp  
Anti-Lock Brake System
- 29 - 30 Amp  
Back-Up Battery (Air Bag)

#### FUSE PANEL & FUSE BLOCK IDENTIFICATION (1991)



93E45389

#### FUSE PANEL CIRCUITS

Fig. 9: Fuse Panel & Fuse Block Identification (1991)  
Courtesy of Mazda Motor of America, Inc.

#### Fuse & Circuit Breaker Identification

- 1 - 20 Amp  
Audio System
- 2 - 15 Amp  
Sun Roof, Anti-Lock Brake System
- 2 - 15 Amp (Convertible)  
Air Bag, Diagnostic Module
- 3 - 10 Amp  
Rear Window Defogger, Starter, Charge System, Shift Lock  
System, ECAT, Power Antenna, Horn, Stoplight, Power Steering
- 4 - 20 Amp  
Stoplight, Cruise Control System
- 5 - 30 Amp  
Heater & A/C
- 6 - 10 Amp  
Clock, Remote Control Mirror, Heater & A/C

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- 7 - 30 Amp  
Convertible Top System
- 8 - 15 Amp  
ECAT, Fuel System, EGI & Emission Control System
- 9 - 10 Amp  
Turn Lights, Hazard Lights
- 10 - 15 Amp (Except Convertible)  
Anti-Lock Brake System
- 11 - 10 Amp (Except Convertible)  
Rear Wiper & Washer
- 12 - 10 Amp  
Back-Up Light, Cruise Control System, Shift Lock System,  
ECAT, Gauges, Clock, Cooling Fan
- 13 - 7.5 Amp  
Cargo Light, Courtesy Lights, Interior Lights, Stoplights,  
Warning & Buzzer Or Chime, Door Lock Cylinder & Ignition Key  
Cylinder Light, EGI, Emission Control System, Warning Clock  
System, Theft System, ECAT
- 14 - 30 Amp (Except Convertible)  
Passive Shoulder Belt
- 15 - 15 Amp  
Front Wiper & Washer, DRL System Heater & A/C Diagnostic  
Module
- 16 - 15 Amp  
Turn Lights, Hazard Lights, Rear Window Defroster, Passive  
Shoulder Belt
- 17 - 10 Amp  
Power Door Lock System & Antenna
- 18 - 15 Amp  
Front Foglight
- 19 - 15 Amp  
Cooling Fan
- 20 - 30 Amp  
Power Window
- 21 - 15 Amp  
Headlight
- 22 - 30 Amp  
Rear Window Defroster
- 23 - 30 Amp  
EGI
- 24 - Blank
- 24 - 30 Amp (Convertible)  
Air Bag
- 25 - 30 Amp  
Head
- 26 - 100 Amp  
Main
- 27 - 60 Amp (Except Convertible)  
Anti-Lock Brake System
- 28 - 60 Amp  
BTN
- 29 - 30 Amp

**MAINTENANCE INFORMATION**

**Article Text (p. 19)**

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Retractor

**END OF ARTICLE**

## SCHEDULED SERVICES

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#### ARTICLE BEGINNING

1983-91 MAINTENANCE  
Mazda Maintenance & Service Intervals

RX7

#### \* 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 BAGS 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 BAGS article in ACCESSORIES/SAFETY EQUIPMENT.

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

##### ANTI-LOCK BRAKE SYSTEM

## SCHEDULED SERVICES

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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 COMPUTER RELEARN PROCEDURES article in GENERAL INFORMATION section.

### 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

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.

### COOLANT (PROPYLENE-GLYCOL FORMULATIONS)

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CAUTION: To avoid possible damage to vehicle use only ethylene-glycol based coolants with a mixture ratio from 44-68% anti-freeze. DO NOT use 100% anti-freeze as it will cause the formation of cooling system deposits. This results in coolant temperatures of over 300°F (149°C) which can melt plastics. 100% anti-freeze has a freeze point of only -8°F (-22°C).

CAUTION: Propylene-Glycol Mixtures has a smaller temperature range than Ethylene-Glycol. The temperature range (freeze-boil) of a 50/50 Anti-Freeze/Water Mix is as follows:

Propylene-Glycol -26°F (-32°C) - 257°F (125°C)

Ethylene-Glycol -35°F (-37°C) - 263°F (128°C)

CAUTION: Propylene-Glycol/Ethylene-Glycol Mixtures can cause the destabilization of various corrosion inhibitors. Also Propylene-Glycol/Ethylene-Glycol has a different specific gravity than Ethylene-Glycol coolant, which will result in inaccurate freeze point calculations.

### 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

WARNING: 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: Never operate headlight retractor when a person's hands, or other objects are on or near the headlights. When working on the headlights always remove the headlight retractor fuse.

### RADIATOR CAP

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**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.

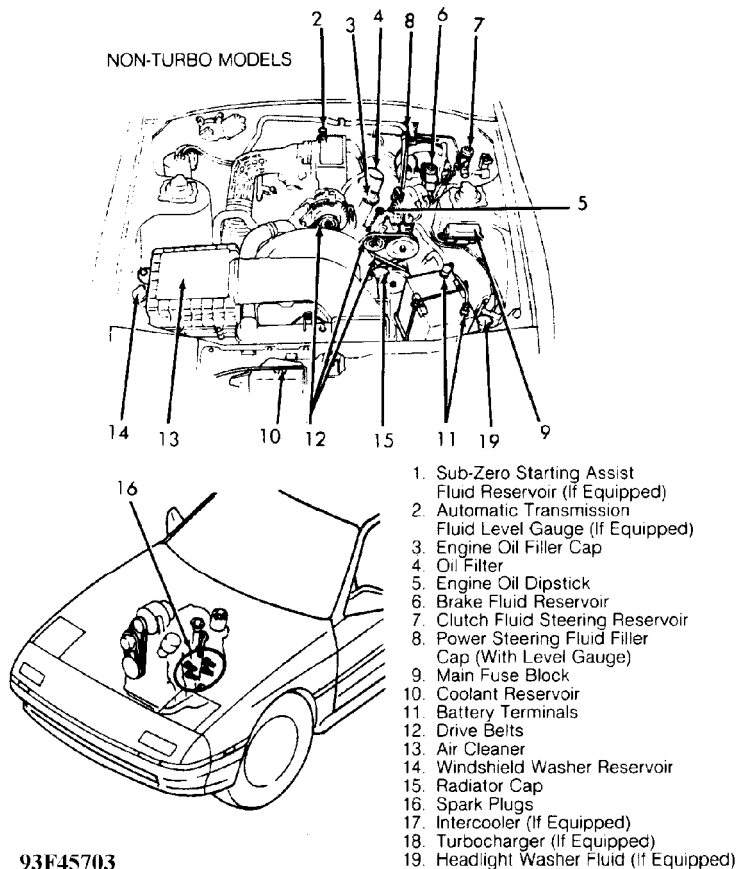
### RADIATOR FAN

**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.

### TURBOCHARGED MODELS

**CAUTION:** Do not race engine immediately after starting. When stopping engine, allow engine to idle for approximately 60 seconds before shutting it off. Failure to do so may cause turbocharger damage due to lack of oil flowing to the turbocharger bearings.

### SERVICE POINT LOCATIONS



93F45703

Fig. 1: Service Point Locations (Typical Non-Turbo Engine)  
Courtesy of Mazda Motor of America, Inc.



## SCHEDULED SERVICES

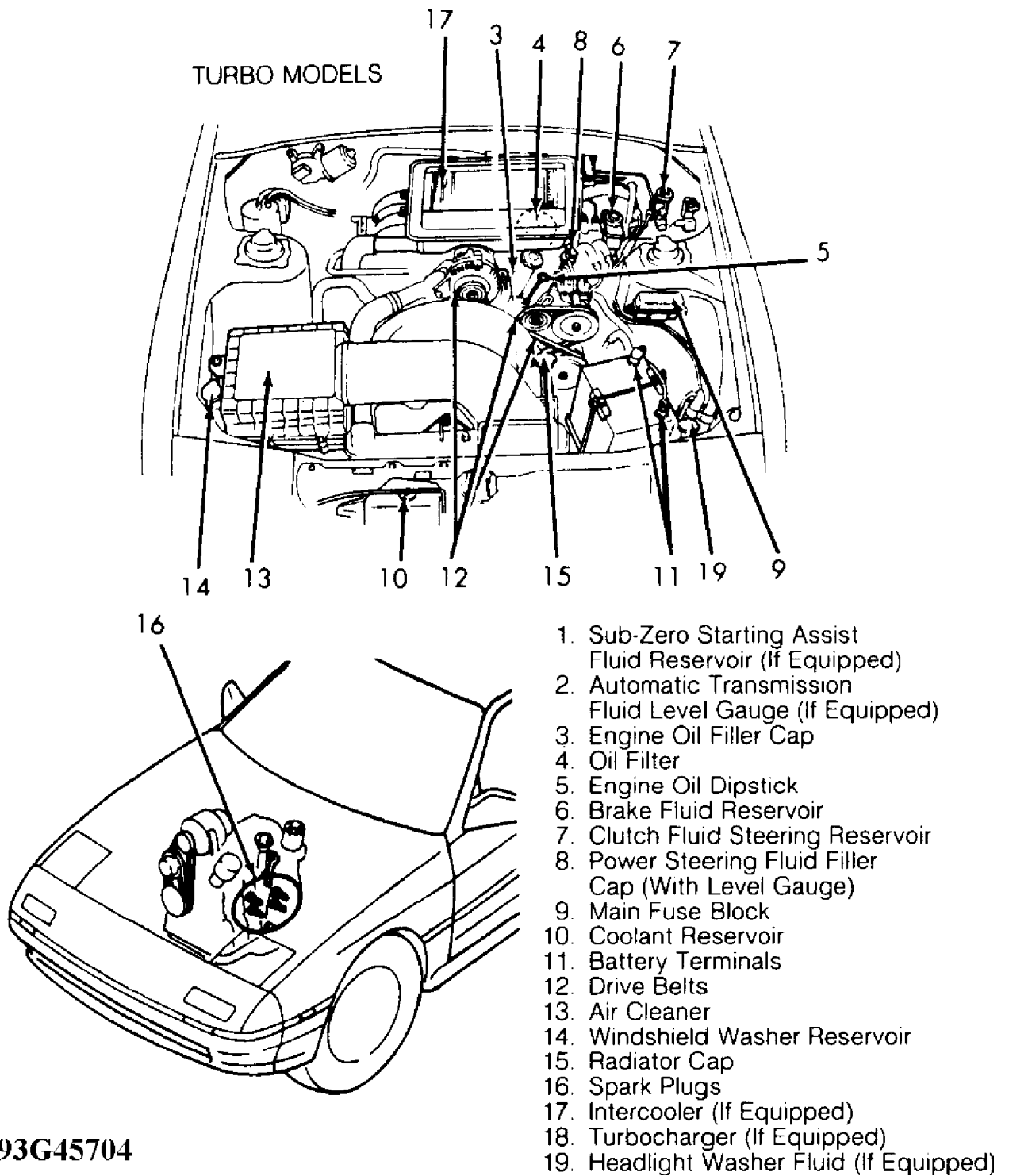
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93G45704

Fig. 2: Service Point Locations (Typical Turbo Engine)

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### Article Text (p. 6)

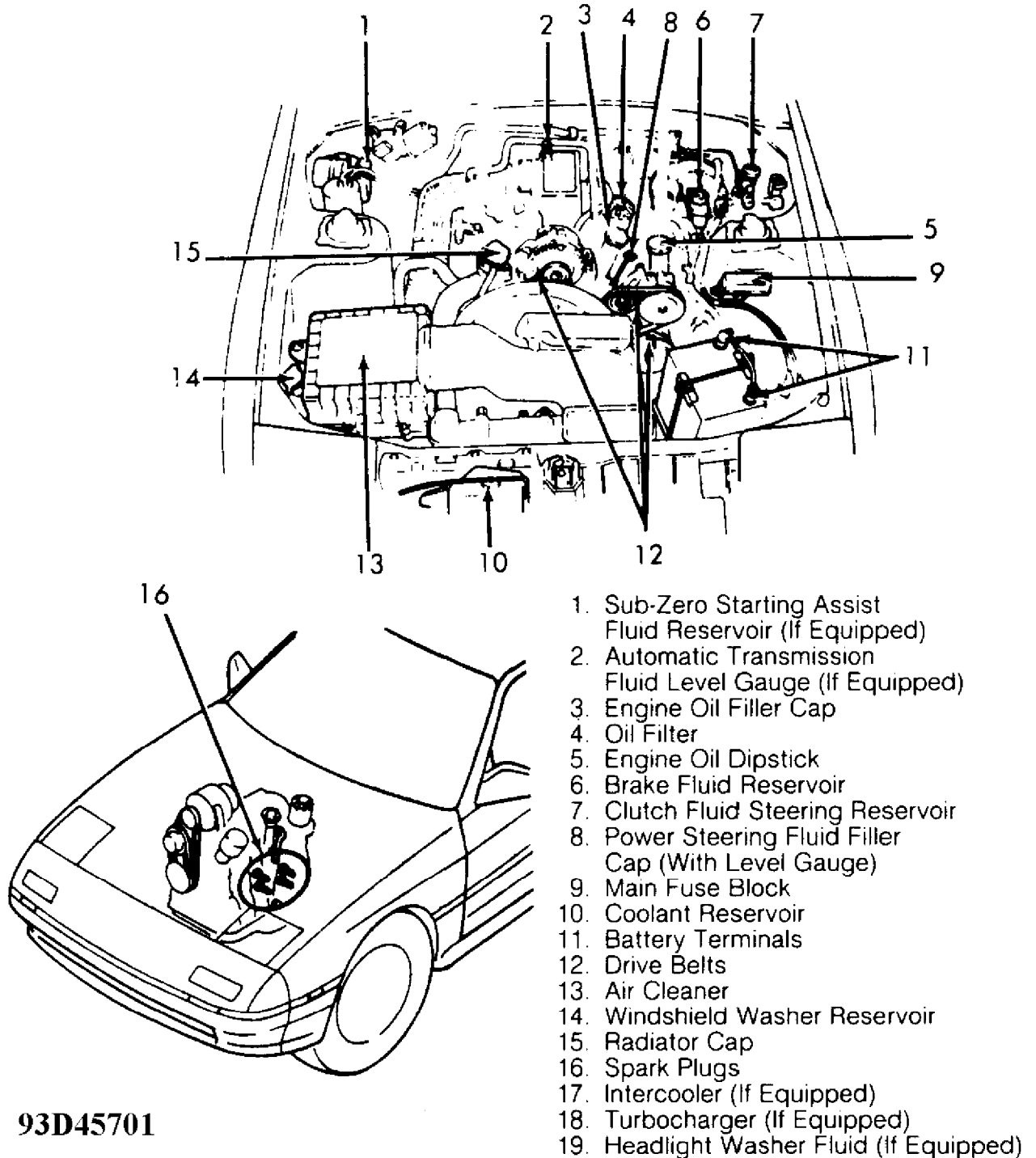
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### MODELS WITH SUB-ZERO STARTING ASSIST



**93D45701**

Fig. 3: Service Point Locations (Non-Turbo W/Sub-Zero Start Assist)

Courtesy of Mazda Motor of America, Inc.

## SCHEDULED SERVICES

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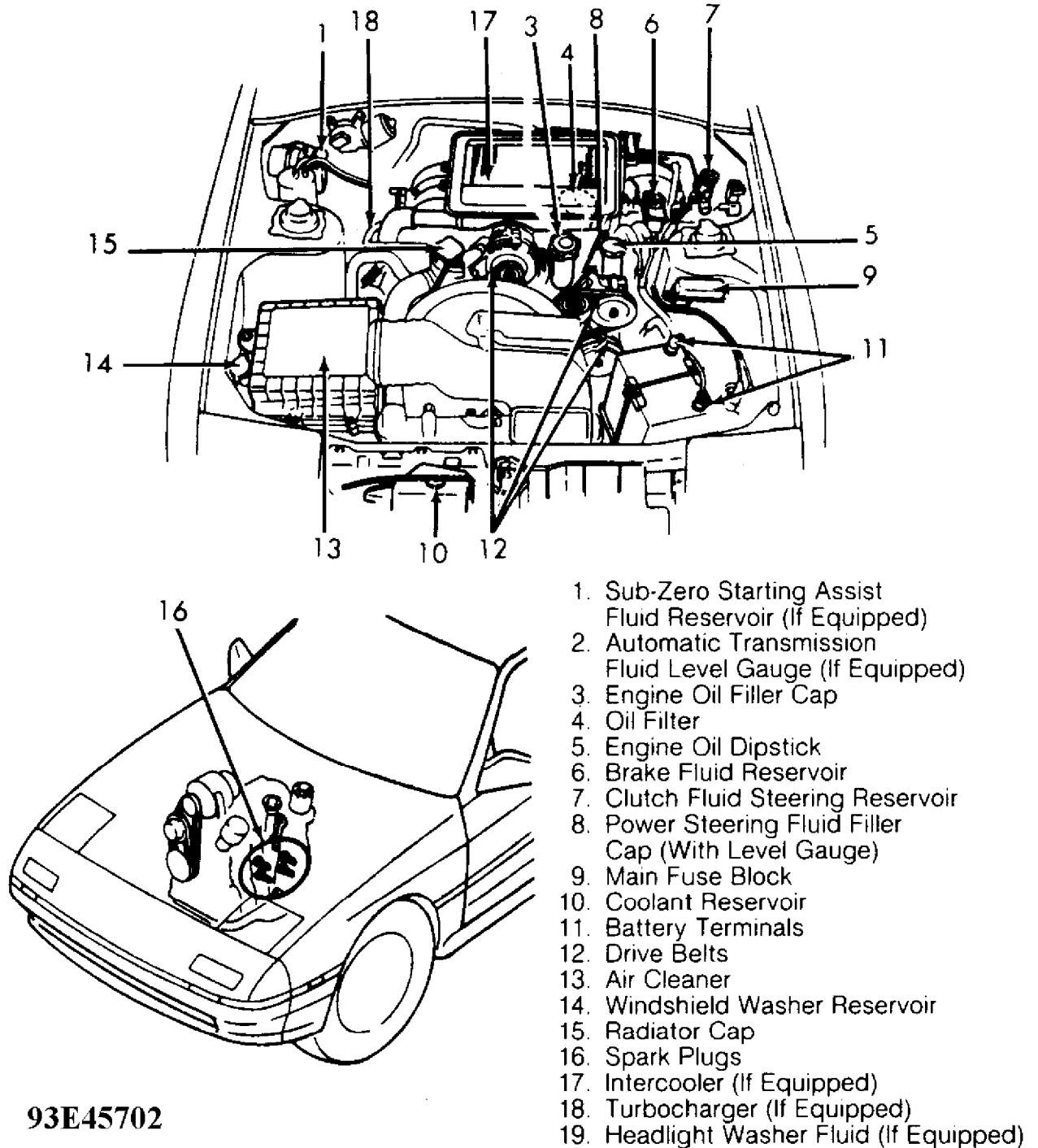
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### TURBO MODELS WITH SUB-ZERO STARTING ASSIST



93E45702

Fig. 4: Service Point Locations (Turbo W/Sub-Zero Start Assist)  
Courtesy of Mazda Motor of America, Inc.

### 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:

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Service is recommended at mileage intervals based on vehicle operation. Service schedules are based on the 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	Turbo: Oil & Filter	3,000 Miles or 3 Months
	Replace	Non-Turbo: Oil & Filter	5,000 Miles or 5 Months
	Replace	M/T Fluid	30,000 Miles
	Replace	Rear Axle Oil	30,000 Miles
Dusty Conditions	Replace	Turbo: Oil & Filter	3,000 Miles or 3 Months
	Replace	Non-Turbo: Oil & Filter	5,000 Miles or 5 Months
	Replace	M/T Fluid	30,000 Miles
	Replace	Rear Axle Oil	30,000 Miles

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Extended Use Of Brakes	Replace Turbo: Oil & Filter	3,000 Miles or 3 Months
	Replace Non-Turbo: Oil & Filter	5,000 Miles or 5 Months
	Replace M/T Fluid	30,000 Miles
	Replace Rear Axle Oil	30,000 Miles
Salt Or Other Corrosive Materials On The Roads	Replace Turbo: Oil & Filter	3,000 Miles or 3 Months
	Replace Non-Turbo: Oil & Filter	5,000 Miles or 5 Months
	Replace M/T Fluid	30,000 Miles
	Replace Rear Axle Oil	30,000 Miles
Rough Or Muddy Roads	Replace Turbo: Oil & Filter	3,000 Miles or 3 Months
	Replace Non-Turbo: Oil & Filter	5,000 Miles or 5 Months
	Replace M/T Fluid	30,000 Miles
	Replace Rear Axle Oil	30,000 Miles
Extended Idling Or Low Speed Operation	Replace Turbo: Oil & Filter	3,000 Miles or 3 Months
	Replace Non-Turbo: Oil & Filter	5,000 Miles or 5 Months
	Replace M/T Fluid	30,000 Miles
	Replace Rear Axle Oil	30,000 Miles
Extended Operation In Extreme Temperatures	Replace Turbo: Oil & Filter	3,000 Miles or 3 Months
	Replace Non-Turbo: Oil & Filter	5,000 Miles or 5 Months
	Replace M/T Fluid	30,000 Miles
	Replace Rear Axle Oil	30,000 Miles

(1) - Perform these services at the mileage or number of months

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(since the last time), whichever comes first.

### NORMAL MAINTENANCE SERVICE SCHEDULES

CAUTION: 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.

#### 7,500 MILE (12,000 KM) SERVICE

7,500 MILE (12,000 KM) SERVICE

Service Or Inspect

Check Fluid Levels and Fluid Condition

Inspect Coolant Level, Hoses and Clamps

Inspect Exhaust System

Inspect C/V Joint Boots

Inspect Brake Linings

Lubricate Chassis

Replace

Engine Oil

Oil Filter

Lubrication Specifications

Application	Specification
Engine Oil	
Minimum Temperature	
Greater Than 0°F (-18°C)	SAE 10W-30 API SG/CD
Maximum Temperature	
Less Than 0°F (-18°C)	SAE 5W-30 API SG/CD

Fluid Capacities

Application	Quantity
Engine Oil	4.4-4.7 Qts. (4.2-4.4L)

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**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 and Fluid Condition
- ⊗ Inspect Coolant Level, Hoses and Clamps
- ⊗ Check Coolant Strength
- ⊗ Check Exhaust System & Heat Shielding
- ⊗ Check C/V Joint Boots
- ⊗ Clean Battery and Battery Terminals
- ⊗ Inspect/Adjust Accessory Drive Belts (Replace if Required)
- ⊗ Inspect Fuel/Tank/Cap/Lines
- ⊗ Check Operation of Horn, Wipers/Washers & All Exterior Lights
- ⊗ Inspect Condition of Wiper Blades
- ⊗ Check Headlight Alignment
- ⊗ Check Body Drain Holes
- ⊗ Check Seat Belt Webbing and Release Mechanisms
- ⊗ Check Parking Brake Operation
- ⊗ Check Shift Interlock Operation
- ⊗ Lubricate Weatherstripping with Silicone
- ⊗ Lubricate Door Hinges
- ⊗ Lubricate Door Locks
- ⊗ Check Steering Rack Boots
- ⊗ Inspect Steering Linkage/Front Suspension
- ⊗ Lubricate Steering Linkage & Suspension





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- 3 3 Check Fluid Levels and Fluid Condition 3
- 3 3 Inspect Coolant Level, Hoses and Clamps 3
- 3 3 Inspect Exhaust System 3
- 3 3 Inspect C/V Joint Boots 3
- 3 3 Inspect Brake Linings 3
- 3 3 Lubricate Chassis 3
- 3 Replace 3
- 3 3 Engine Oil 3
- 3 3 Oil Filter 3
- 3 Lubrication Specifications 3
- 3 Application Specification 3
- 3 Engine Oil 3
- 3 Minimum Temperature 3
- 3 Greater Than 0°F (-18°C) ..... SAE 10W-30 API SG/CD 3
- 3 Maximum Temperature 3
- 3 Less Than 0°F (-18°C) ..... SAE 5W-30 API SG/CD 3
- 3 Fluid Capacities 3
- 3 Application Quantity 3
- 3 Engine Oil ..... 4.4-4.7 Qts. (4.2-4.4L) 3

30,000 MILE (48,000 KM) SERVICE

- 30,000 MILE (48,000 KM) SERVICE
- 3 Service Or Inspect 3
- 3 3 Verify Last Major Service Was Performed 3
- 3 3 Check Fluid Levels and Fluid Condition 3
- 3 3 Inspect Coolant Level, Hoses and Clamps 3
- 3 3 Engine Coolant Level Warning System 3
- 3 3 Check Exhaust System & Heat Shielding 3
- 3 3 Clean Battery and Battery Terminals 3

**SCHEDULED SERVICES**

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3	3	Inspect/Adjust Accessory Drive Belts (Replace if Required)	3
3	3	Inspect Underhood Wiring Harnesses and Connections	3
3	3	Inspect Emission Control Vacuum Hoses and Connections	3
3	3	Inspect Thermostatic Air Cleaner (If Equipped)	3
3	3	Inspect Distributor Cap & Rotor (If Equipped)	3
3	3	Inspect Spark Plug Wires	3
3	3	Inspect PCV Valve and Hoses	3
3	3	Inspect EGR Valve and Hoses	3
3	3	Check Ignition Timing	3
3	3	Idle Speed	3
3	3	Inspect Fuel/Tank/Cap/Lines	3
3	3	Check Operation of Horn, Wipers/Washers & All Exterior Lights	3
3	3	Inspect Condition of Wiper Blades	3
3	3	Check Headlight Alignment	3
3	3	Check Body Drain Holes	3
3	3	Check Seat Belt Webbing and Release Mechanisms	3
3	3	Check Parking Brake Operation	3
3	3	Check Shift Interlock Operation	3
3	3	Lubricate Weatherstripping with Silicone	3
3	3	Lubricate Door Hinges	3
3	3	Lubricate Door Locks	3
3	3	Check Steering Rack Boots	3
3	3	Check C/V Joint Boots	3
3	3	Inspect Steering Linkage/Front Suspension	3
3	3	Lubricate Steering Linkage & Suspension	3
3	3	Lubricate Chassis	3

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~~~~~			
3	3	Suspension Bushings, Springs, Arms & Rear Jounce Bumpers	3
~~~~~			
3	3	Toe Control Hub & Control Link	3
~~~~~			
3	3	Lubricate Front Wheel Bearings	3
~~~~~			
3	3	Inspect Brake System Hoses & Lines	3
~~~~~			
3	3	Inspect Front Brake Pads, Rotors and Calipers	3
~~~~~			
3	3	Lubricate Caliper Slide Rails	3
~~~~~			
3	3	Inspect Rear Brake Pads, Rotors and Calipers	3
~~~~~			
3	3	Inspect/Repack Rear Wheel Bearings	3
~~~~~			
3	3	Inspect Shocks/Struts for Leakage	3
~~~~~			
3	3	Inspect Tire Wear Pattern	3
~~~~~			
3	3	Rotate Tires and Adjust Air Pressure (Including Spare)	3
~~~~~			
3		Replace	3
~~~~~			
3	3	Engine Oil	3
~~~~~			
3	3	Oil Filter	3
~~~~~			
3	3	Air Filter Element	3
~~~~~			
3	3	Spark Plugs	3
~~~~~			
3	3	PCV Filter	3
~~~~~			
3	3	Drain, Flush and Refill Engine Coolant	3
~~~~~			
3	3	Manual Transmission Oil	3
~~~~~			
3	3	Rear Axle Oil	3
~~~~~			
3		Lubrication Specifications	3
~~~~~			
3	Application	Specification	3
~~~~~			
3	Engine Oil		3
3	Minimum Temperature		3
3	Greater Than 0°F (-18°C)	SAE 10W-30 API SG/CD	3
3	Maximum Temperature		3
3	Less Than 0°F (-18°C)	SAE 5W-30 API SG/CD	3
3	Manual Transmission	SAE 75W-90 GL-5	3
3	Rear Axle	SAE 80W-90 GL-5	3

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Fluid Capacities	
Application	Quantity
Automatic Transmission Fluid	7.7-7.9 Qts. (7.3-7.5L)
Cooling System	
1983-85	9.0-10.0 Qts. (8.5-9.5L)
1986-91	
Turbo	9.2 Qts. (8.7L)
Non-Turbo	7.7 Qts. (7.3L)
Engine Oil	4.4-4.7 Qts. (4.2-4.4L)
Manual Transmission Oil	2.1-2.6 Qts. (2.0-2.5L)
Rear Axle Oil	
Turbo	1.3-1.5 Qts. (1.2-1.4L)
Non-Turbo	1.4-1.7 Qts. (1.3-1.6L)
Service Labor Times	
Application	Hours
Automatic Transmission	2.1
Manual Transmission	2.1

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 and Fluid Condition	
Inspect Coolant Level, Hoses and Clamps	
Inspect Exhaust System	
Inspect C/V Joint Boots	
Inspect Brake Linings	
Lubricate Chassis	
Replace	
Engine Oil	
Oil Filter	
Lubrication Specifications	



# SCHEDULED SERVICES

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3	3	Check Parking Brake Operation	3
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA			
3	3	Check Shift Interlock Operation	3
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA			
3	3	Lubricate Weatherstripping with Silicone	3
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA			
3	3	Lubricate Door Hinges	3
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA			
3	3	Lubricate Door Locks	3
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA			
3	3	Check Steering Rack Boots	3
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA			
3	3	Inspect Steering Linkage/Front Suspension	3
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA			
3	3	Lubricate Steering Linkage & Suspension	3
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA			
3	3	Lubricate Chassis	3
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA			
3	3	Inspect Brake System Hoses & Lines	3
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA			
3	3	Inspect Front Brake Pads, Rotors and Calipers	3
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA			
3	3	Lubricate Caliper Slide Rails	3
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA			
3	3	Inspect Rear Brake Pads, Rotors and Calipers	3
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA			
3	3	Inspect Shocks/Struts for Leakage	3
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA			
3	3	Inspect Tire Wear Pattern	3
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA			
3	3	Rotate Tires and Adjust Air Pressure (Including Spare)	3
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA			
3		Replace	3
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA			
3	3	Engine Oil	3
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA			
3	3	Oil Filter	3
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA			
3		Lubrication Specifications	3
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA			
3		Application	Specification 3
3			3
3		Engine Oil	3
3		Minimum Temperature	3
3		Greater Than 0°F (-18°C) .....	SAE 10W-30 API SG/CD 3
3		Maximum Temperature	3
3		Less Than 0°F (-18°C) .....	SAE 5W-30 API SG/CD 3
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA			
3		Fluid Capacities	3
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA			
3		Application	Quantity 3
3			3

**SCHEDULED SERVICES**

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3	Cooling System		3
3	1983-85	9.0-10.0 Qts. (8.5-9.5L)	3
3	1986-91		3
3	Turbo	9.2 Qts. (8.7L)	3
3	Non-Turbo	7.7 Qts. (7.3L)	3
3	Engine Oil	4.4-4.7 Qts. (4.2-4.4L)	3

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

52,500 MILE (84,000 KM) SERVICE			
3	Service Or Inspect		3
3	3	Verify Last Major Service Was Performed	3
3	3	Check Fluid Levels and Fluid Condition	3
3	3	Inspect Coolant Level, Hoses and Clamps	3
3	3	Inspect Exhaust System	3
3	3	Inspect C/V Joint Boots	3
3	3	Inspect Brake Linings	3
3	3	Lubricate Chassis	3
3	3	Replace	3
3	3	Engine Oil	3
3	3	Oil Filter	3
3	3	Lubrication Specifications	3
3	Application	Specification	3
3	3	Engine Oil	3
3	3	Minimum Temperature	3
3	3	Greater Than 0°F (-18°C)	SAE 10W-30 API SG/CD 3
3	3	Maximum Temperature	3
3	3	Less Than 0°F (-18°C)	SAE 5W-30 API SG/CD 3
3	3	Fluid Capacities	3
3	3	Application	Quantity 3
3	3	Engine Oil	4.4-4.7 Qts. (4.2-4.4L) 3

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

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60,000 MILE (96,000 KM) SERVICE

- 3 Service Or Inspect 3
- 3 3 Verify Last Major Service Was Performed 3
- 3 3 Check Fluid Levels and Fluid Condition 3
- 3 3 Inspect Coolant Level, Hoses and Clamps 3
- 3 3 Engine Coolant Level Warning System 3
- 3 3 Check Exhaust System & Heat Shielding 3
- 3 3 Clean Battery and Battery Terminals 3
- 3 3 Inspect/Adjust Accessory Drive Belts (Replace if Required) 3
- 3 3 Inspect Underhood Wiring Harnesses and Connections 3
- 3 3 Inspect Emission Control Vacuum Hoses and Connections 3
- 3 3 Inspect Thermostatic Air Cleaner (If Equipped) 3
- 3 3 Inspect Distributor Cap & Rotor (If Equipped) 3
- 3 3 Inspect Spark Plug Wires 3
- 3 3 Inspect PCV Valve and Hoses 3
- 3 3 Inspect EGR Valve and Hoses 3
- 3 3 Check Ignition Timing 3
- 3 3 Idle Speed 3
- 3 3 Inspect Fuel/Tank/Cap/Lines 3
- 3 3 Check Operation of Horn, Wipers/Washers & All Exterior Lights 3
- 3 3 Inspect Condition of Wiper Blades 3
- 3 3 Check Headlight Alignment 3
- 3 3 Check Body Drain Holes 3
- 3 3 Check Seat Belt Webbing and Release Mechanisms 3
- 3 3 Check Parking Brake Operation 3
- 3 3 Check Shift Interlock Operation 3



**SCHEDULED SERVICES**

**Article Text (p. 21)**

1983 Mazda RX7

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Sunday, August 26, 2001 06:13PM

- 3 3 Lubricate Weatherstripping with Silicone 3
- 3 3 Lubricate Door Hinges 3
- 3 3 Lubricate Door Locks 3
- 3 3 Check Steering Rack Boots 3
- 3 3 Check C/V Joint Boots 3
- 3 3 Inspect Steering Linkage/Front Suspension 3
- 3 3 Lubricate Steering Linkage & Suspension 3
- 3 3 Lubricate Chassis 3
- 3 3 Suspension Bushings, Springs, Arms & Rear Jounce Bumpers 3
- 3 3 Toe Control Hub & Control Link 3
- 3 3 Lubricate Front Wheel Bearings 3
- 3 3 Inspect Brake System Hoses & Lines 3
- 3 3 Inspect Front Brake Pads, Rotors and Calipers 3
- 3 3 Lubricate Caliper Slide Rails 3
- 3 3 Inspect Rear Brake Pads, Rotors and Calipers 3
- 3 3 Inspect/Repack Rear Wheel Bearings 3
- 3 3 Inspect Shocks/Struts for Leakage 3
- 3 3 Inspect Tire Wear Pattern 3
- 3 3 Rotate Tires and Adjust Air Pressure (Including Spare) 3
- 3 Replace 3
- 3 3 Engine Oil 3
- 3 3 Oil Filter 3
- 3 3 Air Filter Element 3
- 3 3 Spark Plugs 3
- 3 3 PCV Filter 3
- 3 3 Drain, Flush and Refill Engine Coolant 3

SCHEDULED SERVICES

Article Text (p. 22)

1983 Mazda RX7

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Manual Transmission Oil		
Rear Axle Oil		
Lubrication Specifications		
Application		Specification
Engine Oil		
Minimum Temperature		
Greater Than 0°F (-18°C)	SAE 10W-30	API SG/CD
Maximum Temperature		
Less Than 0°F (-18°C)	SAE 5W-30	API SG/CD
Manual Transmission		SAE 75W-90 GL-5
Rear Axle		SAE 80W-90 GL-5
Fluid Capacities		
Application		Quantity
Automatic Transmission Fluid	7.7-7.9 Qts. (7.3-7.5L)	
Cooling System		
1983-85	9.0-10.0 Qts. (8.5-9.5L)	
1986-91		
Turbo	9.2 Qts. (8.7L)	
Non-Turbo	7.7 Qts. (7.3L)	
Engine Oil	4.4-4.7 Qts. (4.2-4.4L)	
Manual Transmission Oil	2.1-2.6 Qts. (2.0-2.5L)	
Rear Axle Oil		
Turbo	1.3-1.5 Qts. (1.2-1.4L)	
Non-Turbo	1.4-1.7 Qts. (1.3-1.6L)	
Service Labor Times		
Application		Hours
Automatic Transmission		3.7
Manual Transmission		4.1

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 and Fluid Condition		
Inspect Coolant Level, Hoses and Clamps		



SCHEDULED SERVICES

Article Text (p. 24)

1983 Mazda RX7

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3 3 Clean Battery and Battery Terminals 3  
 ~~~~~  
 3 3 Inspect/Adjust Accessory Drive Belts (Replace if Required) 3  
 ~~~~~  
 3 3 Inspect Fuel/Tank/Cap/Lines 3  
 ~~~~~  
 3 3 Check Operation of Horn, Wipers/Washers & All Exterior Lights 3  
 ~~~~~  
 3 3 Inspect Condition of Wiper Blades 3  
 ~~~~~  
 3 3 Check Headlight Alignment 3  
 ~~~~~  
 3 3 Check Body Drain Holes 3  
 ~~~~~  
 3 3 Check Seat Belt Webbing and Release Mechanisms 3  
 ~~~~~  
 3 3 Check Parking Brake Operation 3  
 ~~~~~  
 3 3 Check Shift Interlock Operation 3  
 ~~~~~  
 3 3 Lubricate Weatherstripping with Silicone 3  
 ~~~~~  
 3 3 Lubricate Door Hinges 3  
 ~~~~~  
 3 3 Lubricate Door Locks 3  
 ~~~~~  
 3 3 Check Steering Rack Boots 3  
 ~~~~~  
 3 3 Inspect Steering Linkage/Front Suspension 3  
 ~~~~~  
 3 3 Lubricate Steering Linkage & Suspension 3  
 ~~~~~  
 3 3 Lubricate Chassis 3  
 ~~~~~  
 3 3 Inspect Brake System Hoses & Lines 3  
 ~~~~~  
 3 3 Inspect Front Brake Pads, Rotors and Calipers 3  
 ~~~~~  
 3 3 Lubricate Caliper Slide Rails 3  
 ~~~~~  
 3 3 Inspect Rear Brake Pads, Rotors and Calipers 3  
 ~~~~~  
 3 3 Inspect Shocks/Struts for Leakage 3  
 ~~~~~  
 3 3 Inspect Tire Wear Pattern 3  
 ~~~~~  
 3 3 Rotate Tires and Adjust Air Pressure (Including Spare) 3  
 ~~~~~  
 3 Replace 3  
 ~~~~~  
 3 3 Engine Oil 3  
 ~~~~~

SCHEDULED SERVICES

Article Text (p. 25)

1983 Mazda RX7

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Table with 3 columns: Application, Specification, Quantity. Rows include Oil Filter, Lubrication Specifications, Engine Oil (Minimum/Maximum Temperature), and Fluid Capacities (Cooling System).

82,500 MILE (132,000 KM) SERVICE

Table with 3 columns: Service Or Inspect, Verify Last Major Service Was Performed, Check Fluid Levels and Fluid Condition, Inspect Coolant Level, Hoses and Clamps, Inspect Exhaust System, Inspect C/V Joint Boots, Inspect Brake Linings, Lubricate Chassis, Replace Engine Oil, Oil Filter, Lubrication Specifications.

# SCHEDULED SERVICES

## Article Text (p. 26)

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3	Application	Specification	3
3	3	3	3
3	Engine Oil		3
3	Minimum Temperature		3
3	Greater Than 0°F (-18°C) .....	SAE 10W-30 API SG/CD	3
3	Maximum Temperature		3
3	Less Than 0°F (-18°C) .....	SAE 5W-30 API SG/CD	3
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA~			
3	Fluid Capacities		3
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA~			
3	Application	Quantity	3
3	3	3	3
3	Engine Oil .....	4.4-4.7 Qts. (4.2-4.4L)	3
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA~			

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

90,000 MILE (144,000 KM) SERVICE			
3	AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA~		
3	Service Or Inspect		3
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA~			
3	3	Verify Last Major Service Was Performed	3
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA~			
3	3	Check Fluid Levels and Fluid Condition	3
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA~			
3	3	Inspect Coolant Level, Hoses and Clamps	3
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA~			
3	3	Engine Coolant Level Warning System	3
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA~			
3	3	Check Exhaust System & Heat Shielding	3
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA~			
3	3	Clean Battery and Battery Terminals	3
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA~			
3	3	Inspect/Adjust Accessory Drive Belts (Replace if Required)	3
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA~			
3	3	Inspect Underhood Wiring Harnesses and Connections	3
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA~			
3	3	Inspect Emission Control Vacuum Hoses and Connections	3
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA~			
3	3	Inspect Thermostatic Air Cleaner (If Equipped)	3
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA~			
3	3	Inspect Distributor Cap & Rotor (If Equipped)	3
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA~			
3	3	Inspect Spark Plug Wires	3
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA~			
3	3	Inspect PCV Valve and Hoses	3
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA~			
3	3	Inspect EGR Valve and Hoses	3
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA~			
3	3	Check Ignition Timing	3
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA~			
3	3	Idle Speed	3

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**Article Text (p. 27)**

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- 3 3 Inspect Fuel/Tank/Cap/Lines 3
- 3 3 Check Operation of Horn, Wipers/Washers & All Exterior Lights 3
- 3 3 Inspect Condition of Wiper Blades 3
- 3 3 Check Headlight Alignment 3
- 3 3 Check Body Drain Holes 3
- 3 3 Check Seat Belt Webbing and Release Mechanisms 3
- 3 3 Check Parking Brake Operation 3
- 3 3 Check Shift Interlock Operation 3
- 3 3 Lubricate Weatherstripping with Silicone 3
- 3 3 Lubricate Door Hinges 3
- 3 3 Lubricate Door Locks 3
- 3 3 Check Steering Rack Boots 3
- 3 3 Check C/V Joint Boots 3
- 3 3 Inspect Steering Linkage/Front Suspension 3
- 3 3 Lubricate Steering Linkage & Suspension 3
- 3 3 Lubricate Chassis 3
- 3 3 Suspension Bushings, Springs, Arms & Rear Jounce Bumpers 3
- 3 3 Toe Control Hub & Control Link 3
- 3 3 Lubricate Front Wheel Bearings 3
- 3 3 Inspect Brake System Hoses & Lines 3
- 3 3 Inspect Front Brake Pads, Rotors and Calipers 3
- 3 3 Lubricate Caliper Slide Rails 3
- 3 3 Inspect Rear Brake Pads, Rotors and Calipers 3
- 3 3 Inspect/Repack Rear Wheel Bearings 3
- 3 3 Inspect Shocks/Struts for Leakage 3
- 3 3 Inspect Tire Wear Pattern 3

**SCHEDULED SERVICES**

**Article Text (p. 28)**

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Rotate Tires and Adjust Air Pressure (Including Spare)		
Replace		
Engine Oil		
Oil Filter		
Air Filter Element		
Spark Plugs		
PCV Filter		
Drain, Flush and Refill Engine Coolant		
Manual Transmission Oil		
Rear Axle Oil		
Lubrication Specifications		
Application		Specification
Engine Oil		
Minimum Temperature		
Greater Than 0°F (-18°C)	SAE 10W-30	API SG/CD
Maximum Temperature		
Less Than 0°F (-18°C)	SAE 5W-30	API SG/CD
Manual Transmission	SAE 75W-90	GL-5
Rear Axle	SAE 80W-90	GL-5
Fluid Capacities		
Application		Quantity
Automatic Transmission Fluid	7.7-7.9 Qts.	(7.3-7.5L)
Cooling System		
1983-85	9.0-10.0 Qts.	(8.5-9.5L)
1986-91		
Turbo	9.2 Qts.	(8.7L)
Non-Turbo	7.7 Qts.	(7.3L)
Engine Oil	4.4-4.7 Qts.	(4.2-4.4L)
Manual Transmission Oil	2.1-2.6 Qts.	(2.0-2.5L)
Rear Axle Oil		
Turbo	1.3-1.5 Qts.	(1.2-1.4L)
Non-Turbo	1.4-1.7 Qts.	(1.3-1.6L)
Service Labor Times		
Application		Hours





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**Article Text (p. 30)**

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3	Service Or Inspect	3
3	3 Verify Last Major Service Was Performed	3
3	3 Idle Speed	3
3	3 Check Fluid Levels and Fluid Condition	3
3	3 Inspect Coolant Level, Hoses and Clamps	3
3	3 Check Coolant Strength	3
3	3 Check Exhaust System & Heat Shielding	3
3	3 Check C/V Joint Boots	3
3	3 Clean Battery and Battery Terminals	3
3	3 Inspect/Adjust Accessory Drive Belts (Replace if Required)	3
3	3 Inspect Fuel/Tank/Cap/Lines	3
3	3 Check Operation of Horn, Wipers/Washers & All Exterior Lights	3
3	3 Inspect Condition of Wiper Blades	3
3	3 Check Headlight Alignment	3
3	3 Check Body Drain Holes	3
3	3 Check Seat Belt Webbing and Release Mechanisms	3
3	3 Check Parking Brake Operation	3
3	3 Check Shift Interlock Operation	3
3	3 Lubricate Weatherstripping with Silicone	3
3	3 Lubricate Door Hinges	3
3	3 Lubricate Door Locks	3
3	3 Check Steering Rack Boots	3
3	3 Inspect Steering Linkage/Front Suspension	3
3	3 Lubricate Steering Linkage & Suspension	3
3	3 Lubricate Chassis	3
3	3 Inspect Brake System Hoses & Lines	3

SCHEDULED SERVICES

Article Text (p. 31)

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3 3 Inspect Front Brake Pads, Rotors and Calipers 3

3 3 Lubricate Caliper Slide Rails 3

3 3 Inspect Rear Brake Pads, Rotors and Calipers 3

3 3 Inspect Shocks/Struts for Leakage 3

3 3 Inspect Tire Wear Pattern 3

3 3 Rotate Tires and Adjust Air Pressure (Including Spare) 3

3 Replace 3

3 3 Engine Oil 3

3 3 Oil Filter 3

3 Lubrication Specifications 3

3 Application Specification 3

3 Engine Oil 3

3 Minimum Temperature 3

3 Greater Than 0°F (-18°C) ..... SAE 10W-30 API SG/CD 3

3 Maximum Temperature 3

3 Less Than 0°F (-18°C) ..... SAE 5W-30 API SG/CD 3

3 Fluid Capacities 3

3 Application Quantity 3

3 Cooling System 3

3 1983-85 ..... 9.0-10.0 Qts. (8.5-9.5L) 3

3 1986-91 3

3 Turbo ..... 9.2 Qts. (8.7L) 3

3 Non-Turbo ..... 7.7 Qts. (7.3L) 3

3 Engine Oil ..... 4.4-4.7 Qts. (4.2-4.4L) 3

112,500 MILE (180,000 KM) SERVICE

112,500 MILE (180,000 KM) SERVICE

3 Service Or Inspect 3

3 3 Verify Last Major Service Was Performed 3

3 3 Check Fluid Levels and Fluid Condition 3

3 3 Inspect Coolant Level, Hoses and Clamps 3

SCHEDULED SERVICES

Article Text (p. 32)

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Sunday, August 26, 2001 06:14PM

```

3 3 Inspect Exhaust System 3
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
3 3 Inspect C/V Joint Boots 3
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
3 3 Inspect Brake Linings 3
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
3 3 Lubricate Chassis 3
Replace 3
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
3 3 Engine Oil 3
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
3 3 Oil Filter 3
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
3 Lubrication Specifications 3
Application Specification 3
3 3
3 Engine Oil 3
3 Minimum Temperature 3
3 Greater Than 0°F (-18°C) ..... SAE 10W-30 API SG/CD 3
3 Maximum Temperature 3
3 Less Than 0°F (-18°C) ..... SAE 5W-30 API SG/CD 3
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
3 Fluid Capacities 3
Application Quantity 3
3 3
3 Engine Oil ..... 4.4-4.7 Qts. (4.2-4.4L) 3
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

```

120,000 MILE (192,000 KM) SERVICE

```

120,000 MILE (192,000 KM) SERVICE
UAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA;
3 Service Or Inspect 3
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
3 3 Verify Last Major Service Was Performed 3
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
3 3 Check Fluid Levels and Fluid Condition 3
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
3 3 Inspect Coolant Level, Hoses and Clamps 3
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
3 3 Engine Coolant Level Warning System 3
3 3 Check Exhaust System & Heat Shielding 3
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
3 3 Clean Battery and Battery Terminals 3
3 3 Inspect/Adjust Accessory Drive Belts (Replace if Required) 3
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
3 3 Inspect Underhood Wiring Harnesses and Connections 3

```

**SCHEDULED SERVICES**

**Article Text (p. 33)**

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3	3	Inspect Emission Control Vacuum Hoses and Connections	3
3	3	Inspect Thermostatic Air Cleaner (If Equipped)	3
3	3	Inspect Distributor Cap & Rotor (If Equipped)	3
3	3	Inspect Spark Plug Wires	3
3	3	Inspect PCV Valve and Hoses	3
3	3	Inspect EGR Valve and Hoses	3
3	3	Check Ignition Timing	3
3	3	Idle Speed	3
3	3	Inspect Fuel/Tank/Cap/Lines	3
3	3	Check Operation of Horn, Wipers/Washers & All Exterior Lights	3
3	3	Inspect Condition of Wiper Blades	3
3	3	Check Headlight Alignment	3
3	3	Check Body Drain Holes	3
3	3	Check Seat Belt Webbing and Release Mechanisms	3
3	3	Check Parking Brake Operation	3
3	3	Check Shift Interlock Operation	3
3	3	Lubricate Weatherstripping with Silicone	3
3	3	Lubricate Door Hinges	3
3	3	Lubricate Door Locks	3
3	3	Check Steering Rack Boots	3
3	3	Check C/V Joint Boots	3
3	3	Inspect Steering Linkage/Front Suspension	3
3	3	Lubricate Steering Linkage & Suspension	3
3	3	Lubricate Chassis	3
3	3	Suspension Bushings, Springs, Arms & Rear Jounce Bumpers	3
3	3	Toe Control Hub & Control Link	3

SCHEDULED SERVICES

Article Text (p. 34)

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```

^-----^
3 3 Lubricate Front Wheel Bearings 3
^-----^
3 3 Inspect Brake System Hoses & Lines 3
^-----^
3 3 Inspect Front Brake Pads, Rotors and Calipers 3
^-----^
3 3 Lubricate Caliper Slide Rails 3
^-----^
3 3 Inspect Rear Brake Pads, Rotors and Calipers 3
^-----^
3 3 Inspect/Repack Rear Wheel Bearings 3
^-----^
3 3 Inspect Shocks/Struts for Leakage 3
^-----^
3 3 Inspect Tire Wear Pattern 3
^-----^
3 3 Rotate Tires and Adjust Air Pressure (Including Spare) 3
^-----^
3 Replace 3
^-----^
3 3 Engine Oil 3
^-----^
3 3 Oil Filter 3
^-----^
3 3 Air Filter Element 3
^-----^
3 3 Spark Plugs 3
^-----^
3 3 PCV Filter 3
^-----^
3 3 Fuel Filter 3
^-----^
3 3 Drain, Flush and Refill Engine Coolant 3
^-----^
3 3 Manual Transmission Oil 3
^-----^
3 3 Rear Axle Oil 3
^-----^
3 Lubrication Specifications 3
^-----^
3 Application Specification 3
3
3 Engine Oil 3
3 Minimum Temperature 3
3 Greater Than 0°F (-18°C) ..... SAE 10W-30 API SG/CD 3
3 Maximum Temperature 3
3 Less Than 0°F (-18°C) ..... SAE 5W-30 API SG/CD 3
3 Manual Transmission ..... SAE 75W-90 GL-5 3
3 Rear Axle ..... SAE 80W-90 GL-5 3
^-----^
3 Fluid Capacities 3

```

**SCHEDULED SERVICES**

**Article Text (p. 35)**

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```

AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
3 Application                                     Quantity 3
3
3 Automatic Transmission Fluid ..... 7.7-7.9 Qts. (7.3-7.5L) 3
3 Cooling System                               3
3 1983-85 ..... 9.0-10.0 Qts. (8.5-9.5L) 3
3 1986-91                                       3
3 Turbo ..... 9.2 Qts. (8.7L) 3
3 Non-Turbo ..... 7.7 Qts. (7.3L) 3
3 Engine Oil ..... 4.4-4.7 Qts. (4.2-4.4L) 3
3 Manual Transmission Oil ..... 2.1-2.6 Qts. (2.0-2.5L) 3
3 Rear Axle Oil                               3
3 Turbo ..... 1.3-1.5 Qts. (1.2-1.4L) 3
3 Non-Turbo ..... 1.4-1.7 Qts. (1.3-1.6L) 3

```

```

AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
3 Service Labor Times                               3
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
3 Application                                     Hours 3
3
3 Automatic Transmission ..... 3.7 3
3 Manual Transmission ..... 4.1 3
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

```

**LUBRICATION SPECIFICATIONS**

LUBRICATION SPECIFICATIONS TABLE

```

AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
Application                                     Fluid Specifications
Brake Fluid ..... SAE J1703 or FMVSS116 DOT 3
Engine Oil
  Minimum Temperature
  Greater Than 0°F (-18°C) ..... SAE 10W-30 API/SF/SG
  Maximum Temperature
  Less Than 0°F (-18°C) ..... SAE 5W-30 API/SF/SG
Manual Transmission ..... SAE 75W-90 GL-4, GL-5
Power Steering Fluid ..... Dexron-II ATF Or Equivalent
Rear Axle ..... SAE 80W-90 GL-5
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

```

**FLUID CAPACITIES**

FLUID CAPACITIES TABLE

```

AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
Application                                     Quantity
A/C System R-12 Refrigerant Capacity
  1983-85 ..... 36 Ozs.
  1986-89
  Nippondenso Compressor ..... 22-25 Ozs.
  Sanden Compressor ..... 30 Ozs.
  1990-91 ..... 26.5-28 Ozs.

```

**SCHEDULED SERVICES**

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Automatic Transmission Fluid	.....	7.7-7.9 Qts.	(7.3-7.5L)
Cooling System			
1983-85	.....	9.0-10.0 Qts.	(8.5-9.5L)
1986-91			
Turbo	.....	9.2 Qts.	(8.7L)
Non-Turbo	.....	7.7 Qts.	(7.3L)
Engine Oil	.....	4.4-4.7 Qts.	(4.2-4.4L)
Fuel Tank			
1983-87	.....	16.6 Gals.	(63L)
1988-91	.....	18.5 Gals.	(70L)
Manual Transmission Oil	.....	2.1-2.6 Qts.	(2.0-2.5L)
Rear Axle Oil			
Turbo	.....	1.3-1.5 Qts.	(1.2-1.4L)
Non-Turbo	.....	1.4-1.7 Qts.	(1.3-1.6L)
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA			

**END OF ARTICLE**



# SERVICE INDICATOR & WARNING LIGHTS

## Article Text

1983 Mazda RX7

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### ARTICLE BEGINNING

1983-91 MAINTENANCE

Mazda Service Indicator & Warning Lights

RX7

### SERVICE INDICATOR & WARNING LIGHTS

The warning lights will come on with the ignition. Any warning light which does not come with the ignition must be checked and repaired.

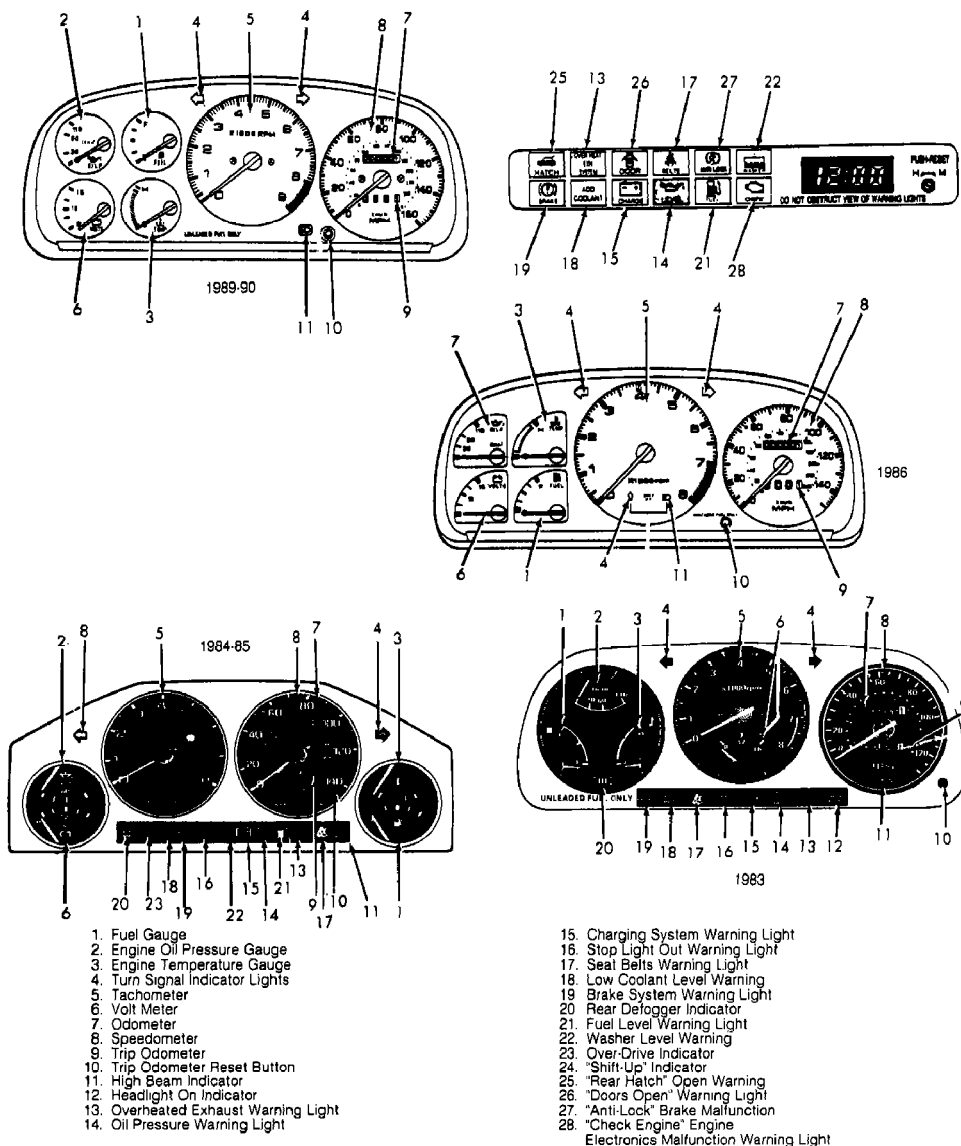


Fig. 1: Dash Gauges & Warning Lights  
 Courtesy of Mazda Motor of America Inc.

## **SERVICE INDICATOR & WARNING LIGHTS**

### **Article Text (p. 2)**

1983 Mazda RX7

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#### **BRAKE SYSTEM WARNING LIGHT**

Light comes on with parking brake. If light remains on, with parking brake off, fluid must be checked.

#### **SEAT BELT WARNING**

Light and beeper will go on for about 6 seconds, or until driver's belt is locked, when ignition is turned on.

#### **CHARGE SYSTEM WARNING LIGHT**

Warning indicates a malfunction of either the alternator or the electrical wiring system.

#### **MALFUNCTION INDICATOR LIGHT**

CHECK light indicates a fault in the electronic engine control system, sensors or emission components.

#### **SUPPLEMENTAL DRIVER RESTRAINT SYSTEM WARNING LIGHT (IF EQUIPPED)**

AIR BAG light indicates a system malfunction by flashing or continuous illumination.

#### **HEADLIGHT HIGH BEAM INDICATOR**

Indicates headlight high beam is on.

#### **HEADLIGHT RETRACTOR INDICATOR**

Comes on while headlights are retracting or extending. If indicator remains on check and repair headlight retractor.

#### **HAZARD WARNING LIGHT**

Flashes with hazard warning lights.

#### **KEY REMINDER WARNING**

A beep sounds if the key is left in the ignition and the door is opened.

**END OF ARTICLE**