

SCHEDULED SERVICES - GASOLINE

1993 Nissan Sentra

1989-94 MAINTENANCE
Nissan Maintenance & Service Intervals (Gasoline)

1989-94 Sentra
1991 NX Coupe
1991-93 NX1600, NX2000

* 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

ALL WHEEL DRIVE (AWD) OPERATION

AWD vehicles are not designed for off-road use, and are unsuitable for driving on bumpy ground that may cause excessive strain. Full-time AWD cars should be driven only under the same conditions that are suitable for FWD.

SUPPLEMENTAL RESTRAINT SYSTEM (AIR BAG SYSTEM)

NOTE: For information on air bag DIAGNOSIS & TESTING or DISPOSAL PROCEDURES, see AIR BAGS article in the ACCESSORIES/SAFETY EQUIPMENT Section.

DO NOT make any unauthorized modifications to steering wheel including adding trim, decals or other objects that could cause injury when air bag is deployed.

SPARE TIRE USAGE

Ensure correct lug nuts are used when the spare tire is fitted. DO NOT use lug nuts from alloy wheels on steel wheels.

RADIATOR FAN

The radiator fan is controlled thermostatically and may come on at any time when the engine is running.

FUEL INJECTION LINES

On vehicles equipped with electronic fuel injection, the fuel filter and fuel lines are under high pressure even when the engine is off. Take care when servicing these items so as not to cause injury.

OFF-ROAD USE (AWD)

Vehicle should be operated as a conventional passenger car, not as an off-road 4WD vehicle. If it becomes necessary to drive off-road, avoid areas with steep hills, rocks and sand. After off-road use, more frequent maintenance may be required of the following items:

- * Brake Pads & Discs
- * Brake Linings & Drums
- * Brake Lines & Cables
- * Transaxle & Differential Gear Oil
- * Steering Linkage
- * Drive Shaft & Drive Shafts
- * Clutch Housing (For Water Entry)

SEVERE & NORMAL SERVICE DEFINITIONS

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)

- * Short Trips In Freezing Temperatures
- * Towing Or Commercial Use
- * Driving In Rough, Muddy, Salty Or Sandy Areas
- * Severe Dust Conditions
- * Hot Weather, Stop-And-Go Driving
- * Extensive Idling

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)
Short Trips In Freezing Temperatures	Replace	Engine Oil	3,750 Miles or 3 Months
	Replace	Engine Oil Filter	7,500 Miles or 6 Months
	Inspect	AWD: Transfer Case Oil	15,000 Miles
	Inspect	AWD: Differential Oil	15,000 Miles
	Replace	Transmission	30,000 Miles or 24 Months

		Fluid	
	Replace	AWD: Transfer Case Oil	30,000 Miles or 24 Months
	Replace	AWD: Differential Oil	30,000 Miles or 24 Months
Towing Or Commercial Use	Replace	Engine Oil	3,750 Miles or 3 Months
	Replace	Engine Oil Filter	7,500 Miles or 6 Months
	Inspect	AWD: Transfer Case Oil	15,000 Miles
	Inspect	AWD: Differential Oil	15,000 Miles
	Replace	Transmission Fluid	30,000 Miles or 24 Months
	Replace	AWD: Transfer Case Oil	30,000 Miles or 24 Months
	Replace	AWD: Differential Oil	30,000 Miles or 24 Months
Driving In Rough, Muddy, Salty Or Sandy Areas	Replace	Engine Oil	3,750 Miles or 3 Months
	Replace	Engine Oil Filter	7,500 Miles or 6 Months
	Inspect	AWD: Transfer Case Oil	15,000 Miles
	Inspect	AWD: Differential Oil	15,000 Miles
	Replace	Transmission Fluid	30,000 Miles or 24 Months
	Replace	AWD: Transfer Case Oil	30,000 Miles or 24 Months
	Replace	AWD: Differential Oil	30,000 Miles or 24 Months
Severe Dust Conditions	Replace	Engine Oil	3,750 Miles or 3 Months
	Replace	Engine Oil Filter	7,500 Miles or 6 Months
	Inspect	AWD: Transfer Case Oil	15,000 Miles
	Inspect	AWD: Differential	15,000 Miles

		Oil	
	Replace	Transmission Fluid	30,000 Miles or 24 Months
	Replace	AWD: Transfer Case Oil	30,000 Miles or 24 Months
	Replace	AWD: Differential Oil	30,000 Miles or 24 Months
Hot Weather, Stop-And-Go Driving	Replace	Engine Oil	3,750 Miles or 3 Months
	Replace	Engine Oil Filter	7,500 Miles or 6 Months
	Inspect	AWD: Transfer Case Oil	15,000 Miles
	Inspect	AWD: Differential Oil	15,000 Miles
	Replace	Transmission Fluid	30,000 Miles or 24 Months
	Replace	AWD: Transfer Case Oil	30,000 Miles or 24 Months
	Replace	AWD: Differential Oil	30,000 Miles or 24 Months
Extensive Idling	Replace	Engine Oil	3,750 Miles or 3 Months
	Replace	Engine Oil Filter	7,500 Miles or 6 Months
	Inspect	AWD: Transfer Case Oil	15,000 Miles
	Inspect	AWD: Differential Oil	15,000 Miles
	Replace	Transmission Fluid	30,000 Miles or 24 Months
	Replace	AWD: Transfer Case Oil	30,000 Miles or 24 Months
	Replace	AWD: Differential Oil	30,000 Miles or 24 Months

(1) - Perform these services at the mileage or number of months (since the last time), whichever comes first.

NORMAL MAINTENANCE SERVICE SCHEDULES (GASOLINE)

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	
	Change Engine Oil
	Change Oil Filter
Lubrication Specifications	
Application	Specification
Engine Oil (1)	
Minimum Temperature Greater Than 0°F (-18°C)	SAE 10W-30 API SG
Maximum Temperature Less Than 100°F (38°C)	SAE 5W-30 API SG
(1) - SAE 10W-30 is preferred in temperatures greater than 0°F for 1989-90 gasoline engines. SAE 5W-30 is preferred for all temperatures in 1991-94 engines. SAE 20W-40 or 20W-50 may be used in temperatures greater than 50°F (10°C).	
Fluid Capacities	
Application	(1) Quantity
Engine Oil (2)	
1989-90	3.4 Qts. (3.2L)
1991-94	
1.6L Engine	3.4 Qts. (3.2L)
2.0L Engine	3.6 Qts. (3.4L)
(1) - Capacities are recommended or calculated levels. Always use dipstick (if available) to measure level.	
(2) - Includes filter change.	

15,000 MILE (24,000 KM) SERVICE

15,000 MILE (24,000 KM) SERVICE

Service Or Inspect	
	Verify Last Major Service Was Performed
	Brake Lines & Cables
	Brake Pads, Discs, Drums & Linings
	Transmission Fluid
	Differential Oil

Drive Shaft Boots
Exhaust System
Steering Gear & Linkage
Replace
Engine Oil & Filter

Lubrication Specifications

Application	Specification
Automatic Transmission	Dexron-II ATF
Differential Gear Oil (1)	
Maximum Temperature	
Less Than 104°F (40°C)	SAE 75W-90 Or 80W-90 API GL-4
Minimum Temperature	
Greater Than 104°F (40°C)	SAE 140 API GL-4
Engine Oil (2)	
Minimum Temperature	
Greater Than 0°F (-18°C)	SAE 10W-30 API SG
Maximum Temperature	
Less Than 100°F (38°C)	SAE 5W-30 API SG
Manual Transmission (1)	
Maximum Temperature	
Less Than 104°F (40°C)	SAE 75W-90 Or 80W-90 API GL-4
Minimum Temperature	
Greater Than 104°F (40°C)	SAE 140 API GL-4
(1) - SAE 80W-90 is preferred in all temperatures less than 104°F (40°C).	
(2) - SAE 10W-30 is preferred in temperatures greater than 0°F for 1989-90 gasoline engines. SAE 5W-30 is preferred for all temperatures in 1991-94 engines. SAE 20W-40 or 20W-50 may be used in temperatures greater than 50°F (10°C).	

Fluid Capacities

Application	(1) Quantity
Automatic Transmission Fluid	
1989-90	6.6 Qts. (6.3L)
1991-94	
RL3F01A	6.3 Qts. (6.0L)
RL4F03A	7.1 Qts. (7.0L)
Differential	1.1 Qts. (1.0L)
Engine Oil (2)	
1989-90	3.4 Qts. (3.2L)
1991-94	
1.6L Engine	3.4 Qts. (3.2L)
2.0L Engine	3.6 Qts. (3.4L)
Manual Transmission Oil	
1989-90	2.8-3.0 Qts. (2.7-2.8L)
1991-94	
RN4F31A	3.0 Qts. (2.8L)
RS5F31A	3.1 Qts. (2.9L)
RS5F32V	3.7-3.9 Qts. (3.5-3.7L)
(1) - Capacities are recommended or calculated levels. Always use dipstick (if available) to measure level.	

(2) - Includes filter change.	
Service Labor Times	
Application	Hours
All Engines	1.5

22,500 MILE (36,000 KM) SERVICE

22,500 MILE (36,000 KM) SERVICE

Service Or Inspect	
Verify Last Major Service Was Performed	
Change Engine Oil	
Lubrication Specifications	
Application	Specification
Engine Oil (1)	
Minimum Temperature Greater Than 0°F (-18°C)	SAE 10W-30 API SG
Maximum Temperature Less Than 100°F (38°C)	SAE 5W-30 API SG
(1) - SAE 10W-30 is preferred in temperatures greater than 0°F for 1989-90 gasoline engines. SAE 5W-30 is preferred for all temperatures in 1991-94 engines. SAE 20W-40 or 20W-50 may be used in temperatures greater than 50°F (10°C).	
Fluid Capacities	
Application	(1) Quantity
Engine Oil (2)	
1989-90	3.4 Qts. (3.2L)
1991-94	
1.6L Engine	3.4 Qts. (3.2L)
2.0L Engine	3.6 Qts. (3.4L)
(1) - Capacities are recommended or calculated levels. Always use dipstick (if available) to measure level.	
(2) - Includes filter change.	

30,000 MILE (48,000 KM) SERVICE

30,000 MILE (48,000 KM) SERVICE

Service Or Inspect	
Verify Last Major Service Was Performed	
Drive Belts	
Choke Mechanism (If Equipped)	
PCV Filter (If Equipped)	

Vapor Lines
Fuel Lines
Auto Temp Air Cleaner (If Equipped)
Exhaust Gas Sensor (If Equipped)
Brake Lines & Cables
Brake Pads, Discs, Drums & Linings
Transmission Fluid
Differential Oil
Steering Gear & Linkage
Drive Shaft Boots
Exhaust System
Replace
Air Cleaner Filter
Idle Speed Control Actuator Filter (If Equipped)
Vacuum Control Modulator Valve Filter (If Equipped)
Engine Coolant
Engine Oil & Filter
Spark Plugs (Non-Platinum Type)

Lubrication Specifications

Application	Specification
Automatic Transmission	Dexron-II ATF
Differential Gear Oil (1)	
Maximum Temperature	
Less Than 104°F (40°C)	SAE 75W-90 Or 80W-90 API GL-4
Minimum Temperature	
Greater Than 104°F (40°C)	SAE 140 API GL-4
Engine Oil (2)	
Minimum Temperature	
Greater Than 0°F (-18°C)	SAE 10W-30 API SG
Maximum Temperature	
Less Than 100°F (38°C)	SAE 5W-30 API SG
Manual Transmission (1)	
Maximum Temperature	
Less Than 104°F (40°C)	SAE 75W-90 Or 80W-90 API GL-4
Minimum Temperature	
Greater Than 104°F (40°C)	SAE 140 API GL-4
(1) - SAE 80W-90 is preferred in all temperatures less than 104°F (40°C).	
(2) - SAE 10W-30 is preferred in temperatures greater than 0°F for 1989-90 gasoline engines. SAE 5W-30 is preferred for all temperatures in 1991-94 engines. SAE 20W-40 or 20W-50	

may be used in temperatures greater than 50°F (10°C).

Fluid Capacities

Application	(1) Quantity
Automatic Transmission Fluid	
1989-90	6.6 Qts. (6.3L)
1991-94	
RL3F01A	6.3 Qts. (6.0L)
RL4F03A	7.1 Qts. (7.0L)
Cooling System (2)	
1989-90	
M/T & A/T FWD	6.3 Qts. (6.0L)
A/T AWD	6.7 Qts. (6.5L)
1991-94	
M/T	
1.6L Engine	5.4 Qts. (5.1L)
2.0L Engine	5.9 Qts. (5.6L)
A/T	
1.6L Engine	5.6 Qts. (5.3L)
2.0L Engine	6.1 Qts. (5.8L)
Differential	1.1 Qts. (1.0L)
Engine Oil (3)	
1989-90	
1.6L Engine	3.4 Qts. (3.2L)
2.0L Engine	3.6 Qts. (3.4L)
1991-94	
1.6L Engine	
1.6L Engine	3.4 Qts. (3.2L)
2.0L Engine	3.6 Qts. (3.4L)
Manual Transmission Oil	
1989-90	
1.6L Engine	2.8-3.0 Qts. (2.7-2.8L)
1991-94	
RN4F31A	3.0 Qts. (2.8L)
RS5F31A	3.1 Qts. (2.9L)
RS5F32V	3.7-3.9 Qts. (3.5-3.7L)

- (1) - Capacities are recommended or calculated levels. Always use dipstick (if available) to measure level.
- (2) - Includes reservoir tank.
- (3) - Includes filter change.

Service Labor Times

Application	Hours
All Engines	2.3

37,500 MILE (60,000 KM) SERVICE

37,500 MILE (60,000 KM) SERVICE

Service Or Inspect	
	Verify Last Major Service Was Performed
	Change Engine Oil
Lubrication Specifications	
Application	Specification
Engine Oil (1)	

Minimum Temperature
 Greater Than 0°F (-18°C) SAE 10W-30 API SG
 Maximum Temperature
 Less Than 100°F (38°C) SAE 5W-30 API SG

(1) - SAE 10W-30 is preferred in temperatures greater than 0°F for 1989-90 gasoline engines. SAE 5W-30 is preferred for all temperatures in 1991-94 engines. SAE 20W-40 or 20W-50 may be used in temperatures greater than 50°F (10°C).

Fluid Capacities

Application	(1) Quantity
Engine Oil (2)	
1989-90	3.4 Qts. (3.2L)
1991-94	
1.6L Engine	3.4 Qts. (3.2L)
2.0L Engine	3.6 Qts. (3.4L)

(1) - Capacities are recommended or calculated levels. Always use dipstick (if available) to measure level.
 (2) - Includes filter change.

45,000 MILE (72,000 KM) SERVICE

45,000 MILE (72,000 KM) SERVICE

Service Or Inspect	
	Verify Last Major Service Was Performed
	Brake Lines & Cables
	Brake Pads, Discs, Drums & Linings
	Transmission Fluid
	Differential Oil
	Drive Shaft Boots
	Exhaust System
	Steering Gear & Linkage
Replace	
	Engine Oil & Filter
Lubrication Specifications	
Application	Specification
Automatic Transmission	Dexron-II ATF
Differential Gear Oil (1)	
Maximum Temperature	
Less Than 104°F (40°C)	SAE 75W-90 Or 80W-90 API GL-4
Minimum Temperature	
Greater Than 104°F (40°C)	SAE 140 API GL-4
Engine Oil (2)	

Minimum Temperature Greater Than 0°F (-18°C)	SAE 10W-30 API SG
Maximum Temperature Less Than 100°F (38°C)	SAE 5W-30 API SG
Manual Transmission (1) Maximum Temperature Less Than 104°F (40°C)	SAE 75W-90 Or 80W-90 API GL-4
Minimum Temperature Greater Than 104°F (40°C)	SAE 140 API GL-4

- (1) - SAE 80W-90 is preferred in all temperatures less than 104°F (40°C).
(2) - SAE 10W-30 is preferred in temperatures greater than 0°F for 1989-90 gasoline engines. SAE 5W-30 is preferred for all temperatures in 1991-94 engines. SAE 20W-40 or 20W-50 may be used in temperatures greater than 50°F (10°C).

Fluid Capacities

Application	(1) Quantity
Automatic Transmission Fluid	
1989-90	6.6 Qts. (6.3L)
1991-94	
RL3F01A	6.3 Qts. (6.0L)
RL4F03A	7.1 Qts. (7.0L)
Differential	1.1 Qts. (1.0L)
Engine Oil (2)	
1989-90	3.4 Qts. (3.2L)
1991-94	
1.6L Engine	3.4 Qts. (3.2L)
2.0L Engine	3.6 Qts. (3.4L)
Manual Transmission Oil	
1989-90	2.8-3.0 Qts. (2.7-2.8L)
1991-94	
RN4F31A	3.0 Qts. (2.8L)
RS5F31A	3.1 Qts. (2.9L)
RS5F32V	3.7-3.9 Qts. (3.5-3.7L)

- (1) - Capacities are recommended or calculated levels. Always use dipstick (if available) to measure level.
(2) - Includes filter change.

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
Lubrication Specifications	
Application	Specification
Engine Oil (1)	
Minimum Temperature Greater Than 0°F (-18°C)	SAE 10W-30 API SG
Maximum Temperature	

Less Than 100°F (38°C) SAE 5W-30 API SG

(1) - SAE 10W-30 is preferred in temperatures greater than 0°F for 1989-90 gasoline engines. SAE 5W-30 is preferred for all temperatures in 1991-94 engines. SAE 20W-40 or 20W-50 may be used in temperatures greater than 50°F (10°C).

Fluid Capacities

Application	(1) Quantity
Engine Oil (2)	
1989-90	3.4 Qts. (3.2L)
1991-94	
1.6L Engine	3.4 Qts. (3.2L)
2.0L Engine	3.6 Qts. (3.4L)

(1) - Capacities are recommended or calculated levels. Always use dipstick (if available) to measure level.
 (2) - Includes filter change.

60,000 MILE (96,000 KM) SERVICE

60,000 MILE (96,000 KM) SERVICE

Service Or Inspect
Verify Last Major Service Was Performed
Drive Belts
Choke Mechanism (If Equipped)
PCV Filter (If Equipped)
Vapor Lines
Fuel Lines
Auto Temp Air Cleaner (If Equipped)
Exhaust Gas Sensor (If Equipped)
Brake Lines & Cables
Brake Pads, Discs, Drums & Linings
Transmission Fluid
Differential Oil
Steering Gear & Linkage
Drive Shaft Boots
Exhaust System
Replace
Air Cleaner Filter

Idle Speed Control Actuator Filter (If Equipped)
Vacuum Control Modulator Valve Filter (If Equipped)
Engine Coolant
Engine Oil & Filter
Spark Plugs (All Types)

Lubrication Specifications

Application	Specification
Automatic Transmission	Dexron-II ATF
Differential Gear Oil (1)	
Maximum Temperature	
Less Than 104°F (40°C)	SAE 75W-90 Or 80W-90 API GL-4
Minimum Temperature	
Greater Than 104°F (40°C)	SAE 140 API GL-4
Engine Oil (2)	
Minimum Temperature	
Greater Than 0°F (-18°C)	SAE 10W-30 API SG
Maximum Temperature	
Less Than 100°F (38°C)	SAE 5W-30 API SG
Manual Transmission (1)	
Maximum Temperature	
Less Than 104°F (40°C)	SAE 75W-90 Or 80W-90 API GL-4
Minimum Temperature	
Greater Than 104°F (40°C)	SAE 140 API GL-4
(1) - SAE 80W-90 is preferred in all temperatures less than 104°F (40°C).	
(2) - SAE 10W-30 is preferred in temperatures greater than 0°F for 1989-90 gasoline engines. SAE 5W-30 is preferred for all temperatures in 1991-94 engines. SAE 20W-40 or 20W-50 may be used in temperatures greater than 50°F (10°C).	

Fluid Capacities

Application	(1) Quantity
Automatic Transmission Fluid	
1989-90	6.6 Qts. (6.3L)
1991-94	
RL3F01A	6.3 Qts. (6.0L)
RL4F03A	7.1 Qts. (7.0L)
Cooling System (2)	
1989-90	
M/T & A/T FWD	6.3 Qts. (6.0L)
A/T AWD	6.7 Qts. (6.5L)
1991-94	
M/T	
1.6L Engine	5.4 Qts. (5.1L)
2.0L Engine	5.9 Qts. (5.6L)
A/T	
1.6L Engine	5.6 Qts. (5.3L)
2.0L Engine	6.1 Qts. (5.8L)
Differential	1.1 Qts. (1.0L)
Engine Oil (3)	
1989-90	3.4 Qts. (3.2L)
1991-94	
1.6L Engine	3.4 Qts. (3.2L)

2.0L Engine	3.6 Qts. (3.4L)
Manual Transmission Oil	
1989-90	2.8-3.0 Qts. (2.7-2.8L)
1991-94	
RN4F31A	3.0 Qts. (2.8L)
RS5F31A	3.1 Qts. (2.9L)
RS5F32V	3.7-3.9 Qts. (3.5-3.7L)

- (1) - Capacities are recommended or calculated levels. Always use dipstick (if available) to measure level.
- (2) - Includes reservoir tank.
- (3) - Includes filter change.

Service Labor Times

Application	Hours
1.6L G16i Engine	2.3
1.6L GA16DE Engine	2.3
2.0L SR20DE Engine	2.3

67,500 MILE (108,000 KM) SERVICE

67,500 MILE (108,000 KM) SERVICE

Service Or Inspect	
Verify Last Major Service Was Performed	
Change Engine Oil	
Change Oil Filter	
Lubrication Specifications	
Application	Specification
Engine Oil (1)	
Minimum Temperature	
Greater Than 0°F (-18°C)	SAE 10W-30 API SG
Maximum Temperature	
Less Than 100°F (38°C)	SAE 5W-30 API SG
(1) - SAE 10W-30 is preferred in temperatures greater than 0°F for 1989-90 gasoline engines. SAE 5W-30 is preferred for all temperatures in 1991-94 engines. SAE 20W-40 or 20W-50 may be used in temperatures greater than 50°F (10°C).	
Fluid Capacities	
Application	(1) Quantity
Engine Oil (2)	
1989-90	3.4 Qts. (3.2L)
1991-94	
1.6L Engine	3.4 Qts. (3.2L)
2.0L Engine	3.6 Qts. (3.4L)
(1) - Capacities are recommended or calculated levels. Always use dipstick (if available) to measure level.	
(2) - Includes filter change.	

75,000 MILE (120,000 KM) SERVICE

75,000 MILE (120,000 KM) SERVICE

Service Or Inspect	
Verify Last Major Service Was Performed	
Brake Lines & Cables	
Brake Pads, Discs, Drums & Linings	
Transmission Fluid	
Differential Oil	
Drive Shaft Boots	
Exhaust System	
Steering Gear & Linkage	
Replace	
Engine Oil & Filter	
Lubrication Specifications	
Application	Specification
Automatic Transmission	Dexron-II ATF
Differential Gear Oil (1)	
Maximum Temperature	
Less Than 104°F (40°C)	SAE 75W-90 Or 80W-90 API GL-4
Minimum Temperature	
Greater Than 104°F (40°C)	SAE 140 API GL-4
Engine Oil (2)	
Minimum Temperature	
Greater Than 0°F (-18°C)	SAE 10W-30 API SG
Maximum Temperature	
Less Than 100°F (38°C)	SAE 5W-30 API SG
Manual Transmission (1)	
Maximum Temperature	
Less Than 104°F (40°C)	SAE 75W-90 Or 80W-90 API GL-4
Minimum Temperature	
Greater Than 104°F (40°C)	SAE 140 API GL-4
<p>(1) - SAE 80W-90 is preferred in all temperatures less than 104°F (40°C).</p> <p>(2) - SAE 10W-30 is preferred in temperatures greater than 0°F for 1989-90 gasoline engines. SAE 5W-30 is preferred for all temperatures in 1991-94 engines. SAE 20W-40 or 20W-50 may be used in temperatures greater than 50°F (10°C).</p>	
Fluid Capacities	
Application	(1) Quantity
Automatic Transmission Fluid	
1989-90	6.6 Qts. (6.3L)

1991-94		
RL3F01A	.....	6.3 Qts. (6.0L)
RL4F03A	.....	7.1 Qts. (7.0L)
Cooling System (2)		
1989-90		
M/T & A/T FWD	.....	6.3 Qts. (6.0L)
A/T AWD	.....	6.7 Qts. (6.5L)
1991-94		
M/T		
1.6L Engine	.....	5.4 Qts. (5.1L)
2.0L Engine	.....	5.9 Qts. (5.6L)
A/T		
1.6L Engine	.....	5.6 Qts. (5.3L)
2.0L Engine	.....	6.1 Qts. (5.8L)
Differential	.....	1.1 Qts. (1.0L)
Engine Oil (3)		
1989-90	.....	3.4 Qts. (3.2L)
1991-94		
1.6L Engine	.....	3.4 Qts. (3.2L)
2.0L Engine	.....	3.6 Qts. (3.4L)
Manual Transmission Oil		
1989-90	.....	2.8-3.0 Qts. (2.7-2.8L)
1991-94		
RN4F31A	.....	3.0 Qts. (2.8L)
RS5F31A	.....	3.1 Qts. (2.9L)
RS5F32V	.....	3.7-3.9 Qts. (3.5-3.7L)
(1) - Capacities are recommended or calculated levels. Always use dipstick (if available) to measure level.		
(2) - Includes reservoir tank.		
(3) - Includes filter change.		
Service Labor Times		
Application		Hours
All Engines	.....	1.5

82,500 MILE (132,000 KM) SERVICE

82,500 MILE (132,000 KM) SERVICE

Service Or Inspect	
Verify Last Major Service Was Performed	
Change Engine Oil	
Lubrication Specifications	
Application	Specification
Engine Oil (1)	
Minimum Temperature	
Greater Than 0°F (-18°C)	..... SAE 10W-30 API SG
Maximum Temperature	
Less Than 100°F (38°C)	..... SAE 5W-30 API SG
(1) - SAE 10W-30 is preferred in temperatures greater than 0°F for 1989-90 gasoline engines. SAE 5W-30 is preferred for all temperatures in 1991-94 engines. SAE 20W-40 or 20W-50	

may be used in temperatures greater than 50°F (10°C).

Fluid Capacities

Application	(1) Quantity
Engine Oil (2)	
1989-90	3.4 Qts. (3.2L)
1991-94	
1.6L Engine	3.4 Qts. (3.2L)
2.0L Engine	3.6 Qts. (3.4L)

- (1) - Capacities are recommended or calculated levels. Always use dipstick (if available) to measure level.
 (2) - Includes filter change.

90,000 MILE (144,000 KM) SERVICE

90,000 MILE (144,000 KM) SERVICE

Service Or Inspect
Verify Last Major Service Was Performed
Drive Belts
Choke Mechanism (If Equipped)
PCV Filter (If Equipped)
Vapor Lines
Fuel Lines
Auto Temp Air Cleaner (If Equipped)
Exhaust Gas Sensor (If Equipped)
Brake Lines & Cables
Brake Pads, Discs, Drums & Linings
Transmission Fluid
Differential Oil
Steering Gear & Linkage
Drive Shaft Boots
Exhaust System
Replace
Air Cleaner Filter
Idle Speed Control Actuator Filter (If Equipped)
Vacuum Control Modulator Valve Filter (If Equipped)
Engine Coolant

Engine Oil & Filter

Spark Plugs (Non-Platinum Type)

Lubrication Specifications

Application	Specification
Automatic Transmission	Dexron-II ATF
Differential Gear Oil (1)	
Maximum Temperature	
Less Than 104°F (40°C)	SAE 75W-90 Or 80W-90 API GL-4
Minimum Temperature	
Greater Than 104°F (40°C)	SAE 140 API GL-4
Engine Oil (2)	
Minimum Temperature	
Greater Than 0°F (-18°C)	SAE 10W-30 API SG
Maximum Temperature	
Less Than 100°F (38°C)	SAE 5W-30 API SG
Manual Transmission (1)	
Maximum Temperature	
Less Than 104°F (40°C)	SAE 75W-90 Or 80W-90 API GL-4
Minimum Temperature	
Greater Than 104°F (40°C)	SAE 140 API GL-4
(1) - SAE 80W-90 is preferred in all temperatures less than 104°F (40°C).	
(2) - SAE 10W-30 is preferred in temperatures greater than 0°F for 1989-90 gasoline engines. SAE 5W-30 is preferred for all temperatures in 1991-94 engines. SAE 20W-40 or 20W-50 may be used in temperatures greater than 50°F (10°C).	

Fluid Capacities

Application	(1) Quantity
Automatic Transmission Fluid	
1989-90	6.6 Qts. (6.3L)
1991-94	
RL3F01A	6.3 Qts. (6.0L)
RL4F03A	7.1 Qts. (7.0L)
Cooling System (2)	
1989-90	
M/T & A/T FWD	6.3 Qts. (6.0L)
A/T AWD	6.7 Qts. (6.5L)
1991-94	
M/T	
1.6L Engine	5.4 Qts. (5.1L)
2.0L Engine	5.9 Qts. (5.6L)
A/T	
1.6L Engine	5.6 Qts. (5.3L)
2.0L Engine	6.1 Qts. (5.8L)
Differential	1.1 Qts. (1.0L)
Engine Oil (3)	
1989-90	3.4 Qts. (3.2L)
1991-94	
1.6L Engine	3.4 Qts. (3.2L)
2.0L Engine	3.6 Qts. (3.4L)
Manual Transmission Oil	
1991-94	
RN4F31A	3.0 Qts. (2.8L)
RS5F31A	3.1 Qts. (2.9L)

RS5F32V	3.7-3.9 Qts. (3.5-3.7L)
(1) - Capacities are recommended or calculated levels. Always use dipstick (if available) to measure level.	
(2) - Includes reservoir tank.	
(3) - Includes filter change.	
Service Labor Times	
Application	Hours
All Engines	2.3

97,500 MILE (156,000 KM) SERVICE

97,500 MILE (156,000 KM) SERVICE

Service Or Inspect	
Verify Last Major Service Was Performed	
Change Engine Oil	
Lubrication Specifications	
Application	Specification
Engine Oil (1)	
Minimum Temperature Greater Than 0°F (-18°C)	SAE 10W-30 API SG
Maximum Temperature Less Than 100°F (38°C)	SAE 5W-30 API SG
(1) - SAE 10W-30 is preferred in temperatures greater than 0°F for 1989-90 gasoline engines. SAE 5W-30 is preferred for all temperatures in 1991-94 engines. SAE 20W-40 or 20W-50 may be used in temperatures greater than 50°F (10°C).	
Fluid Capacities	
Application	(1) Quantity
Engine Oil (2)	
1989-90	3.4 Qts. (3.2L)
1991-94	
1.6L Engine	3.4 Qts. (3.2L)
2.0L Engine	3.6 Qts. (3.4L)
(1) - Capacities are recommended or calculated levels. Always use dipstick (if available) to measure level.	
(2) - Includes filter change.	

105,000 MILE (168,000 KM) SERVICE

105,000 MILE (168,000 KM) SERVICE

Service Or Inspect	
Verify Last Major Service Was Performed	

Brake Lines & Cables
Brake Pads, Discs, Drums & Linings
Transmission Fluid
Differential Oil
Drive Shaft Boots
Exhaust System
Steering Gear & Linkage
Replace
Engine Oil & Filter

Lubrication Specifications

Application	Specification
Automatic Transmission	Dexron-II ATF
Differential Gear Oil (1)	
Maximum Temperature	
Less Than 104°F (40°C)	SAE 75W-90 Or 80W-90 API GL-4
Minimum Temperature	
Greater Than 104°F (40°C)	SAE 140 API GL-4
Engine Oil (2)	
Minimum Temperature	
Greater Than 0°F (-18°C)	SAE 10W-30 API SG
Maximum Temperature	
Less Than 100°F (38°C)	SAE 5W-30 API SG
Manual Transmission (1)	
Maximum Temperature	
Less Than 104°F (40°C)	SAE 75W-90 Or 80W-90 API GL-4
Minimum Temperature	
Greater Than 104°F (40°C)	SAE 140 API GL-4
(1) - SAE 80W-90 is preferred in all temperatures less than 104°F (40°C).	
(2) - SAE 10W-30 is preferred in temperatures greater than 0°F for 1989-90 gasoline engines. SAE 5W-30 is preferred for all temperatures in 1991-94 engines. SAE 20W-40 or 20W-50 may be used in temperatures greater than 50°F (10°C).	

Fluid Capacities

Application	(1) Quantity
Automatic Transmission Fluid	
1989-90	6.6 Qts. (6.3L)
1991-94	
RL3F01A	6.3 Qts. (6.0L)
RL4F03A	7.1 Qts. (7.0L)
Cooling System (2)	
1989-90	
M/T & A/T FWD	6.3 Qts. (6.0L)
A/T AWD	6.7 Qts. (6.5L)
1991-94	
M/T	
1.6L Engine	5.4 Qts. (5.1L)
2.0L Engine	5.9 Qts. (5.6L)

A/T	
1.6L Engine	5.6 Qts. (5.3L)
2.0L Engine	6.1 Qts. (5.8L)
Differential	1.1 Qts. (1.0L)
Engine Oil (3)	
1989-90	3.4 Qts. (3.2L)
1991-94	
1.6L Engine	3.4 Qts. (3.2L)
2.0L Engine	3.6 Qts. (3.4L)
Manual Transmission Oil	
1989-90	2.8-3.0 Qts. (2.7-2.8L)
1991-94	
RN4F31A	3.0 Qts. (2.8L)
RS5F31A	3.1 Qts. (2.9L)
RS5F32V	3.7-3.9 Qts. (3.5-3.7L)
(1) - Capacities are recommended or calculated levels. Always use dipstick (if available) to measure level.	
(2) - Includes reservoir tank.	
(3) - Includes filter change.	

112,500 MILE (180,000 KM) SERVICE

112,500 MILE (180,000 KM) SERVICE

Service Or Inspect	
Verify Last Major Service Was Performed	
Change Engine Oil	
Lubrication Specifications	
Application	Specification
Engine Oil (1)	
Minimum Temperature	
Greater Than 0°F (-18°C)	SAE 10W-30 API SG
Maximum Temperature	
Less Than 100°F (38°C)	SAE 5W-30 API SG
(1) - SAE 10W-30 is preferred in temperatures greater than 0°F for 1989-90 gasoline engines. SAE 5W-30 is preferred for all temperatures in 1991-94 engines. SAE 20W-40 or 20W-50 may be used in temperatures greater than 50°F (10°C).	
Fluid Capacities	
Application	(1) Quantity
Engine Oil (2)	
1989-90	3.4 Qts. (3.2L)
1991-94	
1.6L Engine	3.4 Qts. (3.2L)
2.0L Engine	3.6 Qts. (3.4L)
(1) - Capacities are recommended or calculated levels. Always use dipstick (if available) to measure level.	
(2) - Includes filter change.	

120,000 MILE (192,000 KM) SERVICE

120,000 MILE (192,000 KM) SERVICE

Service Or Inspect	
	Verify Last Major Service Was Performed
	Drive Belts
	Choke Mechanism (If Equipped)
	PCV Filter (If Equipped)
	Vapor Lines
	Fuel Lines
	Auto Temp Air Cleaner (If Equipped)
	Exhaust Gas Sensor (If Equipped)
	Brake Lines & Cables
	Brake Pads, Discs, Drums & Linings
	Transmission Fluid
	Differential Oil
	Steering Gear & Linkage
	Drive Shaft Boots
	Exhaust System
Replace	
	Air Cleaner Filter
	Idle Speed Control Actuator Filter (If Equipped)
	Vacuum Control Modulator Valve Filter (If Equipped)
	Engine Coolant
	Engine Oil & Filter
	Spark Plugs (All Types)
Lubrication Specifications	
Application	Specification
Automatic Transmission	Dexron-II ATF
Differential Gear Oil (1)	
Maximum Temperature	
Less Than 104°F (40°C)	SAE 75W-90 Or 80W-90 API GL-4
Minimum Temperature	
Greater Than 104°F (40°C)	SAE 140 API GL-4
Engine Oil (2)	
Minimum Temperature	

Greater Than 0°F (-18°C)	SAE 10W-30 API SG
Maximum Temperature	
Less Than 100°F (38°C)	SAE 5W-30 API SG
Manual Transmission (1)	
Maximum Temperature	
Less Than 104°F (40°C)	SAE 75W-90 Or 80W-90 API GL-4
Minimum Temperature	
Greater Than 104°F (40°C)	SAE 140 API GL-4

- (1) - SAE 80W-90 is preferred in all temperatures less than 104°F (40°C).
- (2) - SAE 10W-30 is preferred in temperatures greater than 0°F for 1989-90 gasoline engines. SAE 5W-30 is preferred for all temperatures in 1991-94 engines. SAE 20W-40 or 20W-50 may be used in temperatures greater than 50°F (10°C).

Fluid Capacities

Application	(1) Quantity
Automatic Transmission Fluid	
1989-90	6.6 Qts. (6.3L)
1991-94	
RL3F01A	6.3 Qts. (6.0L)
RL4F03A	7.1 Qts. (7.0L)
Cooling System (2)	
1989-90	
M/T & A/T FWD	6.3 Qts. (6.0L)
A/T AWD	6.7 Qts. (6.5L)
1991-94	
M/T	
1.6L Engine	5.4 Qts. (5.1L)
2.0L Engine	5.9 Qts. (5.6L)
A/T	
1.6L Engine	5.6 Qts. (5.3L)
2.0L Engine	6.1 Qts. (5.8L)
Differential	1.1 Qts. (1.0L)
Engine Oil (3)	
1989-90	
1991-94	
1.6L Engine	3.4 Qts. (3.2L)
2.0L Engine	3.6 Qts. (3.4L)
Manual Transmission Oil	
1989-90	
1991-94	
RN4F31A	3.0 Qts. (2.8L)
RS5F31A	3.1 Qts. (2.9L)
RS5F32V	3.7-3.9 Qts. (3.5-3.7L)

- (1) - Capacities are recommended or calculated levels. Always use dipstick (if available) to measure level.
- (2) - Includes reservoir tank.
- (3) - Includes filter change.

Service Labor Times

Application	Hours
1.6L G16i Engine	2.3
1.6L GA16DE Engine	2.3
2.0L SR20DE Engine	2.3

LUBRICATION SPECIFICATIONS

LUBRICATION SPECIFICATIONS TABLE

Application	Fluid Specifications
Automatic Transmission	Dexron-IIIE ATF
Brake Fluid	US FMVSS No. 116 Or DOT 3 Brake Fluid
Differential Gear Oil (1)	
Maximum Temperature	
Less Than 104°F (40°C)	SAE 75W-90 Or 80W-90 API GL-4
Minimum Temperature	
Greater Than 104°F (40°C)	SAE 140 API GL-4
Engine Oil (2)	
Gasoline Engines	
Minimum Temperature	
Greater Than 0°F (-18°C)	SAE 10W-30 API SG
Maximum Temperature	
Less Than 100°F (38°C)	SAE 5W-30 API SG
Diesel Engines (3)	
Maximum Temperature	
Less Than 60°F (16°C)	SAE 5W-30 API SG/CD
Minimum Temperature	
Greater Than 0°F (-18°C)	SAE 10W-30 API SG/CD
Manual Transmission (1)	
Maximum Temperature	
Less Than 104°F (40°C)	SAE 75W-90 Or 80W-90 API GL-4
Minimum Temperature	
Greater Than 104°F (40°C)	SAE 140 API GL-4
Power Steering Fluid	Dexron-IIIE ATF
Transfer Case (1)	
Maximum Temperature	
Less Than 104°F (40°C)	SAE 75W-90 Or 80W-90 API GL-4
Minimum Temperature	
Greater Than 104°F (40°C)	SAE 140 API GL-4

- (1) - SAE 80W-90 is preferred in all temperatures less than 104°F (40°C).
- (2) - SAE 10W-30 is preferred in temperatures greater than 0°F for 1989-90 gasoline engines. SAE 5W-30 is preferred for all temperatures in 1991-94 engines. SAE 20W-40 or 20W-50 may be used in temperatures greater than 50°F (10°C).
- (3) - SAE 5W-30 is preferred for use in all temperatures less than 60°F (16°C).

FLUID CAPACITIES

FLUID CAPACITIES TABLE (1)

Application	Quantity
A/C System R-12 Refrigerant	
1989-90	29-33 Ozs.
1991-93	23-26 Ozs.
A/C System R-134a Refrigerant (2)	
1994	23-26 Ozs.
Automatic Transmission Fluid	
1989-90	6.6 Qts. (6.3L)
1991-94	
RL3F01A	6.3 Qts. (6.0L)
RL4F03A	7.1 Qts. (7.0L)

Cooling System (3)		
1989-90		
M/T & A/T FWD	6.3 Qts.	(6.0L)
A/T AWD	6.7 Qts.	(6.5L)
1991-94		
M/T		
1.6L Engine	5.4 Qts.	(5.1L)
2.0L Engine	5.9 Qts.	(5.6L)
A/T		
1.6L Engine	5.6 Qts.	(5.3L)
2.0L Engine	6.1 Qts.	(5.8L)
Differential	1.1 Qts.	(1.0L)
Engine Oil (4)		
1989-90		
1991-94	3.4 Qts.	(3.2L)
1.6L Engine	3.4 Qts.	(3.2L)
2.0L Engine	3.6 Qts.	(3.4L)
Fuel Tank		
Gas & FWD	13.2-13.7 Gals.	(50-52L)
Diesel & AWD	10.6-12.4 Gals.	(40-47L)
Manual Transmission Oil		
1989-90	2.8-3.0 Qts.	(2.7-2.8L)
1991-94		
RN4F31A	3.0 Qts.	(2.8L)
RS5F31A	3.1 Qts.	(2.9L)
RS5F32V	3.7-3.9 Qts.	(3.5-3.7L)
Transfer Case	1.2 Qts.	(1.1L)

- (1) - Capacities are recommended or calculated levels. Always use dipstick (if available) to measure level.
- (2) - Use of R-12 in R134a systems will result in SEVERE DAMAGE
- (3) - Includes reservoir tank.
- (4) - Includes filter change.
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