

2004 Cadillac SRX**2004 GENERAL INFORMATION Maintenance & Lubrication - SRX****2004 GENERAL INFORMATION****Maintenance & Lubrication - SRX****SPECIFICATIONS****CAPACITIES - APPROXIMATE FLUID****Capacities**

Application	Specification	
	Metric	English
IMPORTANT: All capacities are approximate. When adding, be sure to fill to the approximate level, as recommended in this manual.		
Air Conditioning R 134a	0.57 Kg	1.26 lb
Automatic Transmission	8.5 liters	9.0 quarts
Cooling System		
V8 (LH2)	11.4 liters	12.1 quarts
V6 (LY7)	11.1 liters	11.7 quarts
Fuel Tank	64.3 liters	17.0 gallons
Lubrication System		
3.6L (LY7) Oil Capacity with Filter	5.68 liters	6.0 quarts
3.6L (LY7) Oil Capacity without Filter	5.20 liters	5.5 quarts
4.6L (LH2) Oil Capacity with Filter	7.6 liters	8.0 quarts
4.6L (LH2) Oil Capacity without Filter	7.1 liters	7.5 quarts
Power Steering System	1.3 liters	1.37 pints
Wheel Nut Torque	140 N.m	100 lb ft

Capacities - Approximate Fluid

Engine	VIN Code	Transmission	Spark Plug Gap
3.6L HFV (LY7)	7	• M82 = Rear Wheel Drive, 5L40-E • MX5 = All Wheel Drive, 5L40-E	1.5 mm (0.060 in)
		• M22 = Rear	

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4.6L PV8 (LH2)	A	Wheel Drive, 5L50-E • MV3 = All Wheel Drive, 5L50-E	1.5 mm (0.060 in)
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FLUID AND LUBRICANT RECOMMENDATIONS**Fluid and Lubricant Recommendations**

Application	Fluid/Lubricant
Engine Oil	Engine oil with the American Petroleum Institute Certified for Gasoline Engines "Starburst" symbol for proper viscosity.
Engine Coolant	50/50 mixture of clean, drinkable water and use only GM Goodwrench DEX-COOL® or Havoline DEX-COOL® coolant.
Hydraulic Brake System	Delco® Supreme II Brake Fluid GM P/N 12377967 (Canadian P/N 992667) or equivalent DOT P/N 3 Brake Fluid
Windshield Washer Solvent	GM Optikleen Washer Solvent GM P/N 1051515 (Canadian P/N 993033) or equivalent
Power Steering System	GM Power Steering Fluid GM P/N 1052884 (Canadian P/N 993294) or GM P/N 1050017 (Canadian P/N 992646) equivalent.
Automatic Transaxle	DEXTRON® III Automatic Transmission Fluid
Key Lock Cylinders	Multi-Purpose Lubricant, Superlube GM P/N 12346241 (Canadian P/N 10953474) or equivalent.
Chassis Lubrication	Chassis Lubricant GM P/N 12377985 (Canadian P/N 88901242) or equivalent meeting requirements of NLGI#2, Category LB or GC-LB.
Front and Rear Axle	SAE 75W-90, Synthetic Axle Lubricant GM P/N 12378261 (Canadian P/N 10953455) meeting GM Specification 9986115.
Transfer Case	DEXTRON® III Automatic Transmission

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	Fluid
Hinges Hood and Door	Multi-Purpose Lubricant, Superlube GM P/N 12346241 (Canadian P/N 10953474) or equivalent.
Hood Latch Assembly, Secondary Latch, Pivots, Spring Anchor and Release Pawl	Lubriplate Lubricant Aerosol GM P/N 1234629 (Canadian P/N 992723) or equivalent lubricant meeting requirements of NLGI#2, Category LB or GC-LB.
Outer Tailgate Handle Pivot Points	Multi-Purpose Lubricant, Superlube GM P/N 12346241 (Canadian P/N 10953474).
Weatherstrip Conditioning	Dielectric Silicone Grease GM P/N 12345579 (Canadian P/N 1974984) or equivalent.
Weatherstrip Squeaks	Synthetic Grease with Teflon, Superlube GM P/N 12371287 (Canadian P/N 10953437).

TIRE INFLATION PRESSURE SPECIFICATIONS**Tire Inflation Pressure Specifications**

Application	Specification	
	Metric	English
Tires except w/17"	230 kPa	33 psi
Tires w/17"	220 kPa	32 psi
Compact Spare	420 kPa	60 psi

MAINTENANCE ITEMS**Maintenance Items**

Item	Part Number
Engine Air Cleaner/Filter	• GM P/N 25728874 • AC Delco® P/N A2029C
Engine Oil Filter	
3.6L V6 LY7	• GM P/N 25177917 • AC Delco® P/N PF-2128
4.6L V8 LH2	• GM P/N 89013742 • AC Delco® P/N PF-58

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Passenger Compartment Air Filter Element	• GM P/N 25740404 • AC Delco® P/N -
Spark Plugs	
3.6L V6 LY7	• GM P/N 12565996 • AC Delco® P/N 41-988
4.6L V8 LH2	• GM P/N 12571533 • AC Delco® P/N 41-986
Windshield Wiper Blade (Shepherd's Hook Type)	
Drivers Side Length 56.5 cm (22 in)	• GM P/N 12367281 • AC Delco® P/N 8-2221
Passenger's Side Length 53.3 cm (21 in)	• GM P/N 88892785 • AC Delco® P/N 8-2211

MAINTENANCE

USING THE MAINTENANCE SCHEDULE

Because of all the different ways that customers use their vehicles, maintenance needs vary. Some vehicles may need more frequent inspections and replacements.

This schedule is for vehicles that adhere to certain driving conditions:

- Vehicles that carry passengers and cargo within recommended limits - These limits are described on the vehicle's Certification/Tire label. Refer to **Label - Vehicle Certification** and **Tire Placard** .
- Vehicles that are driven on reasonable road surfaces within legal driving limits
- Vehicles that use the recommended fuel

Perform the services in **Scheduled Maintenance** when indicated. Refer to **Additional Required Services** and **Maintenance Footnotes** for further information.

Refer to **Owner Checks and Services** for information on the following conditions:

- What parts should be inspected
- When to perform the inspection
- What can be done to help keep the vehicle in good condition

Refer to **Fluid and Lubricant Recommendations** and to **Maintenance Items** for the proper replacement parts, fluids, and lubricants to use. All parts should be replaced and all necessary repairs done before the vehicle is driven.

SCHEDULED MAINTENANCE

When the CHANGE ENGINE OIL light comes on, service is required for the vehicle. On vehicles driven under the best conditions, the engine oil life system may not indicate that vehicle service is necessary for over a year. However, the engine oil and filter must be changed at least once a year and at this time the system must be reset.

If the engine oil life system is ever reset accidentally, the customer must have the vehicle serviced within 5 000 km (3,000 mi) since your last service. Reset the oil life system whenever you change the oil. Refer to **GM Oil Life System - Resetting (1)** for information on the engine Oil Life System and resetting the system.

When the CHANGE ENGINE OIL light appears, certain services and inspections are required. Required services are described in the following paragraphs for Maintenance I and Maintenance II. It is recommended that the first service on a vehicle be Maintenance I, the second service be Maintenance II and that you alternate between the two thereafter. However, in some cases, Maintenance II may be required more often.

Maintenance I

Use Maintenance I if the CHANGE ENGINE OIL light comes on within 10 months since vehicle was purchased or if Maintenance II was performed.

Maintenance II

Use Maintenance II if the previous service performed was Maintenance I. Always use Maintenance II whenever the CHANGE ENGINE OIL light comes on 10 months or more since the last service or if the CHANGE ENGINE OIL light has not come on at all for one year.

Scheduled Maintenance

Service	Maintenance I	Maintenance II
Change the engine oil and filter. Reset the oil life system. Refer to <u>GM Oil Life System - Resetting (1)</u> .	X	X
Lubricate the chassis components. Refer to footnote	X	X

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(2) in <u>Maintenance Footnotes.</u>		
Visually inspect for any leaks or damage. Refer to footnote (13) in <u>Maintenance Footnotes.</u>	X	X
Inspect the engine air cleaner filter. If necessary, replace the filter. Refer to <u>Air Cleaner Element Replacement</u> in Engine Controls-3.6L or to <u>Air Cleaner Element Replacement</u> in Engine Controls-4.6L. Refer to footnote (1) in <u>Maintenance Footnotes.</u>	X	X
Inspect tires for inflation pressure and wear. Refer to <u>Tire Diagnosis - Irregular or Premature Wear</u> in Tires and Wheels.	X	X
Inspect the brake system. Refer to footnote (3) in <u>Maintenance Footnotes.</u>	X	X
Inspect the engine coolant and the windshield washer fluid levels. Add fluid as needed.	X	X
Perform any needed additional services. Refer to <u>Additional Required Services.</u>	X	X
Inspect the suspension and steering components. Refer to footnote (4) in <u>Maintenance Footnotes.</u>	-	X
Inspect the engine cooling system. Refer to footnote (5) in <u>Maintenance Footnotes.</u>	-	X
Inspect the wiper blades. Refer to footnote (6) in <u>Maintenance Footnotes.</u>	-	X
Inspect the restraint system components. Refer to footnote (7) in <u>Maintenance Footnotes.</u>	-	X
Lubricate the body components. Refer to footnote (8) in <u>Maintenance Footnotes.</u>	-	X
Inspect the transmission fluid level and add fluid as needed.	-	X

ADDITIONAL REQUIRED SERVICES

Perform the following services during the first maintenance (Maintenance I or Maintenance II) after the indicated kilometers (miles) shown for each item.

Additional Required Services

	41 500	83 000	125 000	166 000	207 500	240 000
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Service	km (25,000 mi)	km (50,000 mi)	km (75,000 mi)	km (100,000 mi)	km (125,000 mi)	km (150,000 mi)
Inspect the fuel system for damage or leaks.	X	X	X	X	X	X
Inspect the exhaust system for loose or damaged components.	X	X	X	X	X	X
Replace the engine air cleaner filter. Refer to <u>Air Cleaner Element Replacement</u> in Engine Controls-3.6L or to <u>Air Cleaner Element Replacement</u> in Engine Controls-4.6L.	X	X	X	X	X	X
For severe service, change the automatic transmission fluid and filter. Refer to footnote (10) in <u>Maintenance Footnotes</u> .	-	X	-	X	-	X
For normal service, change the automatic transmission fluid and filter.	-	-	-	X	-	-
Change the transfer case fluid. Refer to footnote (9) in <u>Maintenance Footnotes</u> .	-	X	-	X	-	X
Replace the spark plugs.	-	-	-	X	-	-
Engine cooling system service or every 5 years, whichever occurs first. Refer to footnote (11) in <u>Maintenance Footnotes</u> .	-	-	-	-	-	X
Inspect the engine accessory drive belt.	-	-	-	-	-	X

MAINTENANCE FOOTNOTES

Footnotes

(1)

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The U.S. Environmental Protection Agency or the California Air Resources Board has determined that the failure to perform this maintenance item will not nullify the emission warranty or limit the recall liability prior to the completion of the vehicle's useful life. It is, however, strongly recommended that all recommended maintenance services be performed at the indicated intervals and that the maintenance be recorded.

(2)

Lubricate the suspension, steering linkage, transaxle shift linkage and the underbody contact points and linkage.

(3)

Visually inspect the brake lines and the hoses for proper hook-up, binding, leaks, cracks, chafing, etc. Inspect the disc brake pads for wear and inspect the rotors for surface condition. Inspect other brake parts, including the calipers, the parking brake, etc. Inspect the parking brake adjustment.

(4)

Visually inspect the front and rear suspension and the steering system for damaged, loose or missing parts, for signs of wear, or for lack of lubrication. Inspect the power steering lines and the hoses for proper hook-up, binding, leaks, cracks, chafing, etc.

(5)

Visually inspect the hoses and replace any that are cracked, swollen or deteriorated. Inspect all pipes, fittings and clamps. Replace as needed. To help ensure proper operation, pressure test the cooling system and the pressure cap, and clean the outside of the radiator and the air conditioning condenser at least once a year.

(6)

Visually inspect the wiper blades for wear or cracking. Replace all blade inserts that appear worn or damaged or that streak or miss areas of the windshield.

(7)

Verify that the safety belt reminder light and all of the belts, buckles, latch plates, retractors and anchorages are working properly. If the vehicle has a built-in child restraint, verify that the harness straps, latch plates, buckle, clip, child head restraint and anchorages are working

properly. Look for any other loose or damaged safety belt system parts. Repair anything that might keep a safety belt system from doing the job. Replace any torn or frayed safety belts. Also look for any opened or broken air bag coverings, and repair or replace these parts. The air bag system does NOT need regular maintenance.

(8)

Lubricate all key lock cylinders, hood latch assembly, secondary latch, pivots, spring anchor, release pawl, rear compartment hinges, outer liftgate handle pivot points, rear door detent link, roller mechanism, liftgate handle pivot points, latch bolt, fuel door hinge, cargo door hinge, locks and folding seat hardware. Lubricate the hood and door hinges, rear folding seats, liftgate hinges, fuel door hinge, power sliding door cable and sliding door tracks. More frequent lubrication may be required when the vehicle has been exposed to a corrosive environment. Applying silicone grease on weather-strips with a clean cloth will ensure longer life, create a better seal, and prevent sticking or squeaking.

(9)

If the vehicle is driven regularly under dusty conditions, the filter may require replacement more often.

(10)

Change the automatic transaxle or VTi variable transaxle fluid if the vehicle is mainly driven under one or more of the following conditions:

- In heavy city traffic where the outside temperature regularly reaches 32°C (90°F) or higher
- In hilly or mountainous terrain
- When doing frequent trailer towing
- In uses such as found in taxi, police or delivery service

(11)

Drain, flush and refill the cooling system. Refer to **Draining and Filling Cooling System** in Engine Cooling for the proper procedure. Inspect the hoses. Clean the radiator, the condenser, the pressure cap, and the filler neck. Pressure test the cooling system and the pressure cap.

(12)

Inspect the throttle system for interference or binding and for damaged or missing parts. Replace parts as needed. Replace any components that have high effort or excessive wear. Do NOT lubricate the accelerator or the cruise control cables.

(13)

A fluid loss in any vehicle system could indicate a problem. Inspect and repair the system and inspect the fluid level. Add fluid if needed.

(14)

For supercharged engines only: Inspect the supercharger oil level and add the proper supercharger oil. Refer to **Capacities - Approximate Fluid**.

EXPLANATION OF SCHEDULED SERVICES

Engine Oil

If the LOW OIL LEVEL message appears on the Driver Information Center (DIC), test the engine oil level right away. Although the driver should test the engine oil level regularly, this message is an added reminder.

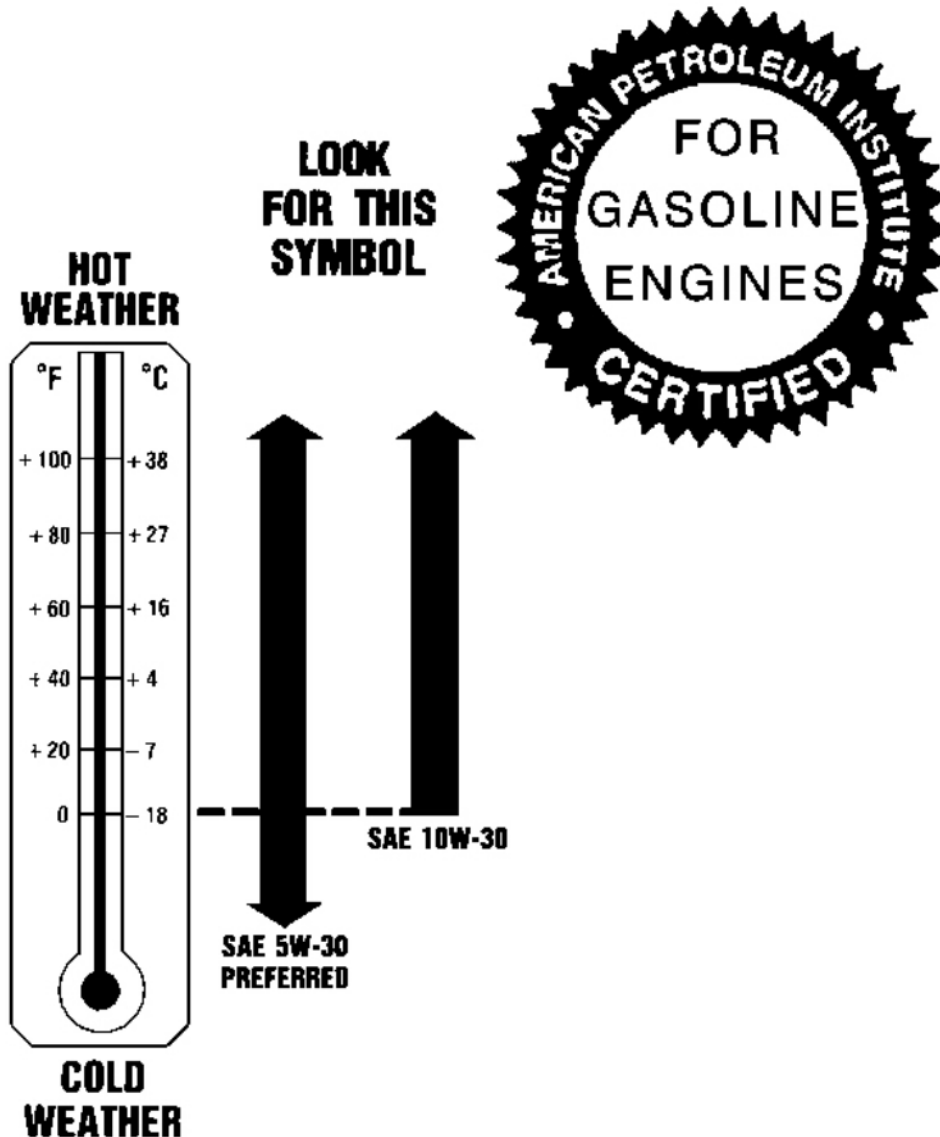
What Kind of Engine Oil to Use

Two factors should be considered when determining type of oil to use in a vehicle:

- The engine requires oil meeting GM Standard GM6094M. Use only oil that meets this standard.

RECOMMENDED SAE VISCOSITY GRADE ENGINE OILS

FOR BEST FUEL ECONOMY AND COLD STARTING, SELECT THE LOWEST SAE VISCOSITY GRADE OIL FOR THE EXPECTED TEMPERATURE RANGE.



DO NOT USE SAE 20W-50 OR ANY OTHER GRADE OIL NOT RECOMMENDED

Fig. 1: Identifying Recommended Engine Oil Viscosity (United States & Canada)

Courtesy of GENERAL MOTORS CORP.

- SAE 5W-30 is the only viscosity grade recommended for use in GM vehicles.
 - If the temperature is greater than -18°C (0°F) and if SAE 5W-30 is not available, you may use SAE 10W-30.

Oils meeting these requirements should also have the starburst symbol on the container. This symbol indicates that the oil has been certified by the American Petroleum Institute (API).

- If the temperature falls below -20°C (-4°F), it is recommended that you use either an SAE 5W-30 synthetic oil or an SAE 0W-30 oil. Both will provide easier cold starting and better protection for your engine at extremely low temperature.

Engine Oil Additives

Do NOT use engine oil additives. The recommended oils with the starburst symbol that meet GM Standard GM6094M are all that is needed for good performance and engine protection.

When to Change Engine Oil-GM Oil Life System

The vehicle has a computer system that tells the owner when to change the engine oil and filter. This system is based on engine revolutions and engine temperature, and not on mileage. Based on driving conditions, the mileage at which an oil change will be indicated can vary considerably. For the oil life system to work properly, the system must be reset every time the oil is changed.

When the system has calculated that oil life has been diminished, the system will indicate that an oil change is necessary. A CHANGE ENGINE OIL message in the Driver Information Center (DIC) will come on. The oil should be changed within the next two gasoline fill-ups after this message appears. It is possible that, if the car is being driven under the best condition, the oil life system may not indicate that an oil change is necessary for over a year. However, the engine oil and filter must be changed at least once a year and at this time the system must be reset.

If the system is ever reset accidentally, the oil must be changed within 5 000 km (3,000 mi) since the last oil change. Reset the oil life system whenever the oil is changed.

Tire and Wheel Inspection and Rotation

Due to dissimilar front and rear tire sizes, tires and wheels assemblies cannot be rotated. Each tire and wheel should be used only in the position it is in.

Inspect your tires and wheels regularly for unusual wear and damage. Refer to **Tire Rotation** in

Tires and Wheels.

Engine Air Cleaner/Filter

Inspect the air cleaner filter every oil change and replace at the first oil change after 40 000 km (25,000 mi).

Automatic Transaxle Fluid

It is not necessary to check the transaxle fluid level. A transaxle fluid leak is the only reason for fluid loss. Change both the fluid and filter every 83 000 km (50,000 mi) if the vehicle is mainly driven under one or more of these conditions:

- In heavy city traffic where the outside temperature regularly reaches 32°C (90°F) or higher
- In hilly or mountainous terrain
- When doing frequent trailer towing
- Uses such as found in taxi, police or delivery service

Cooling System

The cooling system is filled with DEX-COOL engine coolant. This coolant is designed to remain in the vehicle for 5 years or for 166 000 km (100,000 mi), whichever occurs first, if you add only DEX-COOL extended life coolant.

Power Steering Fluid

It is not necessary to regularly check power steering fluid unless you suspect there is a leak in the system or you hear an unusual noise. A fluid loss in this system could indicate a problem. Have the system inspected and repaired. Refer to **Power Steering Fluid Leaks** in Power Steering System.

Windshield Washer Fluid

When adding windshield washer fluid, be sure to read the instructions before use. If operating the vehicle in an area where the temperature may fall below freezing, use a fluid that has sufficient protection against freezing.

Brake Fluid

Your brake master cylinder reservoir is filled with DOT-3 brake fluid.

There are only two reasons why the brake fluid level in the reservoir might go down:

- The brake fluid goes down to an acceptable level during normal brake lining wear. When new linings are put in, the fluid level goes back up.
- The fluid may be leaking out of the brake system. If so, fix the brake system.

Adding brake fluid will not correct a leak. If you add fluid when the linings are worn, then the reservoir will contain too much fluid when new brake linings are installed. You should add or remove brake fluid, as necessary, only when work is being done on the brake hydraulic system.

Inspect brake lines and hoses for proper hook-up binding, leaks, cracks or chafing. Inspect disc brake pads for wear. Refer to **Brake Pad Inspection** in Disc Brakes. Inspect the rotors for poor surface condition. Inspect other brake system components, including brake calipers and the parking brake. Test the parking brake adjustment. The brakes may need to be inspected more often if the customer's driving habits or conditions result in frequent braking.

GM OIL LIFE SYSTEM - RESETTNG (1)

Base Audio System

Press the CLR button on the right of the driver information center (DIC) display to acknowledge the CHANGE ENGINE OIL message. This will clear the message from the display and reset it. To reset the oil life indicator, use the following steps.

1. Press the up or down arrow on the INFO button located to the right of the DIC display to access the DIC menu.
2. Once 100% ENGINE OIL LIFE menu item is highlighted, press and hold the CLR button. The percentage will return to 100 and the oil life indicator will be reset.
3. Turn the key to OFF.

If the CHANGE ENGINE OIL message comes back when you start the vehicle or the percentage does not return to 100, the engine oil life system has not reset. Repeat the procedure.

Navigation System

Press the display button to acknowledge the CHANGE ENGINE OIL message. This will clear the message from the display and reset it. To reset the oil life indicator, use the following steps.

1. Turn the ignition to ON with the engine running.
2. Turn the system on by pressing the PWR/VOL knob located to the lower left of the DIC display.

3. Press and hold the vehicle information display button located in the upper right of the screen for 3 seconds to enter the vehicle information menu.
4. Use the scroll up or down display keys to select Engine Oil Life.
5. Press and hold the RESET button on the display. The percentage will return to 100, and the oil life indicator will be reset. Repeat the steps if the percentage does not return to 100.
6. Press the RETURN button on the display to return to the main page.
7. Turn the key OFF.

If the CHANGE ENGINE OIL message comes back when you start the vehicle, the engine oil life system has not reset. Repeat the procedure.

AUTOMATIC TRANSMISSION OR TRANSAXLE FLUID CHANGE INDICATOR - RESET RESETTING

Resetting Procedure

Once the transaxle fluid has been changed, the transaxle fluid change indicator must be reset. Use the following steps to reset the indicator:

1. Press the INFO button on the Driver Information Center (DIC) until TRANS FLUID LIFE is displayed.
2. Press and hold the INFO RESET button until 100% is displayed.

The transaxle fluid life index is now reset.

The percentage of transaxle fluid life remaining may be checked at any time by pressing the INFO button several times until the TRANS FLUID LIFE message appears.

OWNER CHECKS AND SERVICES

The following information covers the tests, inspections, and services required to train the safety, dependability, and emission control performance of the vehicle.

Complete the necessary repairs and procedures on time. Use only the recommended fluids and lubricants. Refer to **Fluid and Lubricant Recommendations**.

At Each Fuel Fill

Perform the following underhood procedures at each fuel fill.

Engine Oil Level

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Inspect the engine oil level and add the proper oil when necessary. Refer to **Fluid and Lubricant Recommendations**.

NOTE: It is important to check your oil regularly and keep it at the proper level. Failure to keep your engine oil at the proper level can cause damage to your engine not covered by your warranty.

Engine Coolant Level

Inspect the engine coolant level and add DEX-COOL® coolant mixture when necessary. Refer to **Fluid and Lubricant Recommendations**.

Windshield Washer Fluid Level

Inspect the fluid level in the windshield washer tank and add the proper fluid when necessary. Refer to **Fluid and Lubricant Recommendations**.

At Least Once a Month

Tire Inflation

Visually inspect tires including the spare tire. Verify that the tires are inflated to the pressures specified on the Certification/Tire label located on the driver door lock pillar. Refer to **Label - Vehicle Certification**.

Cassette Tape Player Service

If applicable, clean the tape player for every 50 hours of tape play.

At Least Once a Year

Starter Switch Check

CAUTION: When you are doing this inspection, the vehicle could move suddenly. If the vehicle moves, you or others could be injured.

CAUTION: When performing this check, the vehicle could move suddenly. Personal injury or property damage may result. Make sure there is enough room around the vehicle, in case the vehicle does move. Do not use the accelerator pedal, and be ready to turn OFF the engine immediately if

it starts.

1. Ensure that you have enough room around the vehicle, which should be parked on a level surface.
2. Firmly apply both the park brake and the regular brake.
3. Start the engine:
 - On automatic transmission vehicles, try to start the engine in each gear. The starter should work only in PARK (P) or NEUTRAL (N). If the starter works in any other position, the vehicle needs service.
 - On manual transmission vehicles, put the shift lever in NEUTRAL (N), push the clutch down halfway and try to start the engine. The starter should work only when the clutch is pushed down all the way to the floor. If the starter works when the clutch is not pushed all the way down, the vehicle needs service.

Automatic Transmission Shift Lock Control Check

CAUTION: When you are doing this inspection, the vehicle could move suddenly. If the vehicle moves, you or others could be injured.

CAUTION: When performing this check, the vehicle could move suddenly. Personal injury or property damage may result. Make sure there is enough room around the vehicle, in case the vehicle does move. Do not use the accelerator pedal, and be ready to turn OFF the engine immediately if it starts.

1. Ensure that you have enough room around the vehicle, which should be parked on a level surface.
2. Firmly apply the parking brake. Be ready to apply the regular brake immediately if the vehicle begins to move.
3. With the engine off, turn the key to the RUN position, but don't start the engine.
4. Without applying the regular brake, try to move the shift lever out of PARK (P) with normal effort.
5. If the shift lever moves out of PARK (P), the vehicle needs service.

Ignition Transmission Lock Check

1. With the vehicle parked, set the parking brake.
2. Try to turn the ignition key to LOCK in each shift lever position:
 - With an automatic transmission, the key should turn to LOCK only when the shift lever is in PARK (P).
 - With a manual transmission, the key should turn to LOCK only when you press the key release button.
3. On all vehicles, the key should come out only in LOCK.

Park Brake and Automatic Transmission PARK (P) Mechanism Check

CAUTION: When you are doing this inspection, the vehicle could move suddenly. If the vehicle moves, you or others could be injured.

CAUTION: When performing this check, the vehicle could move suddenly. Personal injury or property damage may result. Make sure there is enough room around the vehicle, in case the vehicle does move. Do not use the accelerator pedal, and be ready to turn OFF the engine immediately if it starts.

CAUTION: When you are doing this check, your vehicle could begin to move. You or others could be injured and property could be damaged. Make sure there is room in front of your vehicle in case it begins to roll. Be ready to apply the regular brake at once should the vehicle begin to move.

Follow this procedure to test the park brake and the automatic transmission PARK mechanism:

1. Park on a fairly steep hill, with the vehicle facing downhill.
2. Keep your foot on the hydraulic brake pedal.
3. With the park brake set, perform the following test:
 1. Start the engine.
 2. Place the transmission in NEUTRAL.
 3. Slowly remove foot pressure from the regular brake pedal. If the vehicle moves, refer to **Park Brake Adjustment** in Park Brake.
4. In order to check the PARK (P) mechanism of an automatic transmission, additionally perform the following test:
 1. Shift to PARK (P).

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2. Release all brakes. If the vehicle moves, refer to **Park Brake Adjustment** in Park Brake.

Underbody Flushing Service

At least every spring, use plain water to flush any corrosive materials from the underbody. Clean thoroughly any areas where mud and other debris can collect.