



Recommended Action Plan

Thank you for allowing us to help you maintain your vehicle. In our effort to help you keep your vehicle operating at peak performance, we have assembled this customized Recommended Treatment Plan that addresses the needs of your vehicle. Please review its contents and let your advisor know which services you would like us to perform today. If you have any questions or concerns please don't hesitate to contact us. We are here to help you.

Chad Molock
Service Consultant



Original Customer Requests

The following is what you requested we perform or investigate regarding your vehicle:

- ✓ A. OIL AND FILTER CHANGE
- ✓ B. STATE INSPECTION "1996" AND LATER OBD2 TEST
- ✓ C. ADD \$1.00 FOR GREEN SHEET



Additional Information

Below is information we feel would help you better understand some of the reasons for taking preventive maintenance steps -- steps that help to ensure the reliability and safety of your vehicle for you and your family.

** The following section may contain instructions for servicing various components of your vehicle. These are an overview of the process that will be performed by a skilled technician in our shop. They are not intended to be a guide for a “do-it-yourself” operation.

Coolant fluid exchange service

AI-82

Operation Description:

Some coolant may be in such poor condition that a coolant flush is necessary to remove the corrosion and deposits that were created in the engine and the radiator. If so, an approved coolant removal and cycling machine is required for this procedure. Our trained technician will connect the vehicle to a state-of-the-art machine and add a cleaner to safely remove rust, sludge and scale deposits. Once the system has been cleaned, the technician will install a new coolant-and-water mix, along with a conditioner to protect the cooling system. Once this is finished, the engine will be allowed to run until it reaches normal operating temperature and then the fluid will be checked and adjusted if necessary.



Clean vs. dirty, acidic coolant (antifreeze)

Significance:

The engine’s coolant pulls the heat from the engine and then dissipates the heat when it enters the radiator. The engine's cooling system is a complex system comprised of many components and materials. The most common materials used are aluminum, plastic, copper, brass, rubber, and steel. The engine coolant must be compatible with all of them. The engine coolant is designed to transfer heat, stop corrosion, and provide a lubricant for the water pump seal. Old antifreeze can become acidic. The combination of acidic fluid and the dissimilar alloys in the cooling system actually creates a crude battery. This condition can cause accelerated corrosion of these materials. Changing the coolant according to a preventative maintenance schedule will prevent this acidic condition, and help prevent corrosion, and expensive future repairs.



Coolant flush equipment

Advantage:

Replacing the engine coolant as a part of a scheduled maintenance program is essential to your vehicle's reliability and longevity. New engine coolant has a non-acidic, non-corrosive PH level that will not destroy your cooling system components. The use of proper engine coolant will help keep your engine from overheating, and can help prevent the engine from freezing during cold weather conditions.

Tune-up

AI-89

Operation Description:

Remove the spark plugs and spark plug wires. Some new vehicles do not have spark plug wires, only a coil mounted on top of the spark plug. Perform a compression test as necessary. Replace the spark plugs and spark plug wires as needed (if equipped). If the engine is equipped with a distributor cap and rotor, inspect these components for signs of wear and arcing. Replace any worn or damaged component. If the vehicle is equipped with a distributor, inspect the points and condenser and replace them as needed. Set the ignition dwell if applicable. Adjust the idle speed, ignition timing and idle mixture if applicable. Note that these adjustments are not required on many late model vehicles. Test drive the vehicle to verify proper engine performance.

*Worn spark plug**New spark plug***Significance:**

The efficiency and performance of your engine depend upon it remaining in proper running order. The spark plugs, ignition wires, distributor caps, ignition rotors, distributor points, and condenser (all parts that wear out over time) require periodic replacement. If any of these parts are worn out or damaged, it can have a negative affect on the way that your engine runs. A rough running engine that is out of tune, will also have excessive tailpipe emissions, and will often fail a state emissions test and inspection. An engine with excessive emissions also runs the risk of damaging the oxygen sensors and the catalytic converter.

Advantage:

Keeping your engine tuned properly is essential to long engine life and good fuel economy. An engine that is well maintained will provide you good, reliable service for many years.

Operation Description:

Loosen the drive belt tensioner and remove the old belt. Inspect the tensioner and idler pulley bearings for noise or signs of wear. Inspect tensioner and idler pulleys. Install the new belt. Start the engine, and after a minute or so, shut the engine off. Recheck the belt tension and make final adjustments as necessary.

Significance:

The accessory drive belts on your vehicle perform many functions. The power steering system, alternator (charging system), and AC system are all driven by accessory drive belts. On some vehicles, accessory drive belts also drive the water pump, engine cooling fan, and air injection pump (emission control). Accessory drive belts wear during normal engine operation, and need to be checked and replaced periodically; you can lose one or more systems if a belt is broken. A broken fan or waterpump belt can cause severe overheating which could result in expensive repairs, or even total engine failure. A broken power steering belt can result in the loss of your vehicle's power steering system, which could make your vehicle very difficult to steer. A broken alternator belt could cause your vehicle to lose all of its electrical power, and could eventually result in a dead battery.

Advantage:

Make sure that the drive belts on your vehicle are in good condition. This is an important point to keep in mind as you attempt to keep your vehicle reliable and safe. Drive belt replacement is recommended at certain mileage intervals. This step can also save you money by avoiding possible engine damage and costly engine repairs.



Worn accessory drive belt



New accessory drive belt

Operation Description:

Our trained technicians start by disassembling the air intake system. They then clean the throttle body housing, intake and plate, plenum and air-intake, and intake valves and ports. Finally, they remove any combustion chamber deposits. This ensures a correct balance of fuel and air in the system.

Significance:

This air system is critical to many of the normal operating functions of your vehicle. When your vehicle is "breathing" right your vehicle runs better. When air can't circulate effectively because of build up and deposits, vehicle performance suffers and your fuel economy is reduced.

Advantage:

This service benefits you and your vehicle by reducing emissions, restoring horse power, and increasing fuel economy. It also allows your vehicle to start and idle more smoothly and run more quietly.



Dirty throttle plate



Clean throttle plate

Operation Description:

Using a state-of-the-art machine, one of our specially trained technicians will use a safe and effective cleaner to dissolve and suspend the varnish and gums in the transmission, valve body, torque converter, pan, filter element, transmission lines, and transmission cooler. The technician will then flush the entire unit of all old fluid and suspended debris and install new transmission fluid of the proper specification and fortify the new fluid with seal conditioners, oxidation inhibitors and friction modifiers. Finally, he will run the vehicle to operating temperature and ensure that the automatic transmission fluid is filled to the correct level.



Valve body spool with heavy build up

Significance:

When was the last time you had your vehicle's transmission serviced? Have you experienced slipping, hard shifting, or chattering? All of this can indicate that an automatic transmission flush service is needed.



Valve body spool after transmission service

Advantage:

By having your automatic transmission cleaned and its fluid replaced every 2 years or 30,000 miles, you can keep the transmission running efficiently, restore transmission fluid circulation, help prevent overheating, smooth shifting and transmission operation, and reduce transmission wear. All of this helps you avoid costly future repairs to the transmission.



Recommended Services

Our technicians recommend the following services for your vehicle.

Original Customer Requests	Status	Cost	Declined	Approved
A. OIL AND FILTER CHANGE		\$34.95		X
B. STATE INSPECTION "1996" AND LATER OBD2 TEST		\$39.75		X
C. ADD \$1.00 FOR GREEN SHEET				X
Subtotal		\$74.70		\$74.70
Previously Declined Recommendations	Status	Cost	Declined	Approved
EFORM OIL/FILTER		\$0.00		
REPLACE BOTH FRT STRUT INSULATORS		\$374.88		
Replace all drive drive belts	Fail	\$182.01		See AI-124
Replace dust boots	Fail	\$330.88		
Subtotal		\$512.89		
Perform coolant fluid exchange service	Caution	\$0.00		See AI-82
Perform automatic transmission fluid exchange service	Caution	\$149.95		See AI-149

Previously Declined Recommendations	Status	Cost	Declined	Approved
Perform tune-up	Caution	\$306.91		<i>See AI-89</i>
Perform Fuel Pack Service With Repair: Includes Throttle Body, Intake Decarb, and Fuel Injection Service	Caution	\$239.95		<i>See AI-129</i>
Subtotal		\$512.89		
Totals, Taxes and Fees		Cost	Declined	Approved
Estimate Subtotal		\$1,659.27	\$0.00	\$74.70
Estimate Total		\$1,659.27		\$74.70
<i>For "See AI-" items see the "Additional Info</i>				