

EMISSION CONTROL SYSTEM MAINTENANCE

The “Scheduled” maintenance services, listed in **bold type** on the following pages, must be done at the times or mileages specified to assure the continued proper functioning of the emission control system. These, and all other maintenance services included in this manual, should be done to provide best vehicle performance and reliability. More frequent maintenance may be needed for vehicles in severe operating conditions such as dusty areas and very short trip driving.

Inspection and service also should be done anytime a malfunction is suspected.

NOTE: Maintenance, replacement, or repair of the emission control devices and systems on your vehicle may be performed by any automotive repair establishment or individual, using any automotive part that has been certified pursuant to U.S. EPA or, in the State of California, California Air Resources Board regulations.

SERVICE STATION CHECKS

The oil change indicator system will remind you that it is time to take your vehicle in for scheduled maintenance.

The “Change Oil” message will flash in the instrument cluster odometer and a single chime will sound, indicating that an oil change is necessary.

Based on engine operation conditions the oil change indicator message will illuminate, this means that service is required for your vehicle. Have your vehicle serviced as soon as possible, within the next 500 mi (805 km).

NOTE:

- The oil change indicator message will not monitor the time since the last oil change. Change your vehicle's oil if it has been six months since your last oil change, even if the oil change indicator message is NOT illuminated.

MAINTENANCE SCHEDULES

- Change your engine oil more often if you drive your vehicle off road for an extended period of time.
- Under no circumstances should oil change intervals exceed 6,000 mi (10,000 km) or 6 months, whichever comes first.

Your authorized dealer will reset the oil change indicator message after completing the scheduled oil change. If this scheduled oil change is performed by someone other than your authorized dealer the message can be reset by referring to the steps described under “Oil Change Required” in “Use Factory Settings” of the EVIC section in this manual, or under “Odometer/Trip Odometer” in the “Instrument Cluster Descriptions section of this manual.

At Each Stop for Fuel

- Check the engine oil level about five minutes after a fully warmed engine is shut off. Checking the oil level while the vehicle is on level ground will improve the accuracy of

the oil level reading. Add oil only when the level is at or below the ADD or MIN mark.

- Check the windshield washer solvent and add if required.

Once a Month

- Check tire pressure and look for unusual wear or damage.
- Inspect the battery, and clean and tighten the terminals as required.
- Check the fluid levels of coolant reservoir, brake master cylinder, power steering and transmission, and add as needed.
- Check all lights and other electrical items for correct operation.

At Each Oil Change

- Change the engine oil filter.
- Inspect the brake hoses and lines.
- Check the Manual Transmission fluid level.

CAUTION!

Failure to perform the required maintenance items may result in damage to the vehicle.

Required Maintenance Intervals

NOTE: **Vehicles built with the 4.7L engine are equipped with sixteen spark plugs, one set is located on the top of the engine under the coils, and the second set is located on the side of the engine.

The spark plugs located under the coils are a standard plug, and must be changed every 30,000 mi (50 000 km).

The spark plugs located on the side of the engine are a premium plug, and must be changed every 102,000 mi (170 000 km).

18,000 Miles (30,000 km) or 18 Months Maintenance Service Schedule

- Change the engine oil and engine oil filter.
- Rotate tires.
- Inspect the front and rear axle fluid, change if you are using your vehicle for police, taxi, fleet, off-road, or frequent trailer towing.

_____ Odometer Reading _____ Date

_____ Repair Order # _____ Dealer Code

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24,000 Miles (40,000 km) or 24 Months Maintenance Service Schedule

- Change the engine oil and engine oil filter.
- Rotate tires.
- If using your vehicle for any of the following: Dusty or off-road conditions. Inspect the engine air cleaner filter, replace if necessary.
- Inspect the brake linings, replace if necessary.
- Inspect the CV joints.
- Inspect the exhaust system.
- Inspect the front suspension, tie rod ends and boot seals, replace if necessary.

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MAINTENANCE SCHEDULES

30,000 Miles (50,000 km) or 30 Months Maintenance Service Schedule

- Change the engine oil and engine oil filter.
- Rotate tires.
- Replace the engine air cleaner filter.
- Replace the spark plugs (3.7L Engine).**
- Replace the top row of spark plug (4.7L Engine).** **
- Inspect the transfer case fluid.

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36,000 Miles (60,000 km) or 36 Months Maintenance Service Schedule

- Change the engine oil and engine oil filter.
- Rotate tires.
- If using your vehicle for any of the following: Dusty or off-road conditions. Inspect the engine air cleaner filter, replace if necessary.
- Inspect the brake linings, replace if necessary.
- Inspect the front and rear axle fluid, change if you are using your vehicle for police, taxi, fleet, off-road, or frequent trailer towing.

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42,000 Miles (70,000 km) or 42 Months Maintenance Service Schedule

- Change the engine oil and engine oil filter.
- Rotate tires.

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48,000 Miles (80,000 km) or 48 Months Maintenance Service Schedule

- Change the engine oil and engine oil filter.
- Rotate tires.
- If using your vehicle for any of the following: Dusty or off-road conditions. Inspect the engine air cleaner filter, replace if necessary.
- Inspect the brake linings, replace if necessary.
- Inspect the CV joints.
- Inspect the exhaust system.
- Inspect the front suspension, tie rod ends and boot seals, replace if necessary.

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54,000 Miles (90,000 km) or 54 Months Maintenance Service Schedule

- Change the engine oil and engine oil filter.
- Rotate tires.
- Inspect the front and rear axle fluid, change if you are using your vehicle for police, taxi, fleet, off-road, or frequent trailer towing.

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60,000 Miles (100,000 km) or 60 Months Maintenance Service Schedule

- Change the engine oil and engine oil filter.
- Rotate tires.
- Replace the engine air cleaner filter.
- Replace the ignition cables (3.7L Engine).**
- Replace the spark plugs (3.7L Engine).**
- Replace the top row of spark plugs (4.7L Engine). ****
- Inspect the brake linings, replace if necessary.
- Change the manual transmission fluid if using your vehicle for any of the following: trailer towing, snow plowing, heavy loading, taxi, police, delivery service (commercial service), off-road, desert operation or more than 50% of your driving is at sustained high speeds during hot weather, above 90°F (32°C).
- Change the automatic transmission fluid & filter if using your vehicle for any of the following: police, taxi, fleet, or frequent trailer towing.
- Change the transfer case fluid if using your vehicle for any of the following: police, taxi, fleet, off-road, or frequent trailer towing.
- Flush and replace the engine coolant at 60 months if not done at 102,000 miles (170 000 km).

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66,000 Miles (110,000 km) or 66 Months Maintenance Service Schedule

- Change the engine oil and engine oil filter.
- Rotate tires.

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72,000 Miles (120,000 km) or 72 Months Maintenance Service Schedule

- Change the engine oil and engine oil filter.
- Rotate tires.
- If using your vehicle for any of the following: Dusty or off-road conditions. Inspect the engine air cleaner filter, replace if necessary.
- Inspect the brake linings, replace if necessary.
- Inspect the front and rear axle fluid, change if you are using your vehicle for police, taxi, fleet, off-road, or frequent trailer towing.
- Inspect the CV joints.
- Inspect the exhaust system.
- Inspect the front suspension, tie rod ends and boot seals, replace if necessary.

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MAINTENANCE SCHEDULES

78,000 Miles (130,000 km) or 78 Months Maintenance Service Schedule

- Change the engine oil and engine oil filter.
- Rotate tires.

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84,000 Miles (140,000 km) or 84 Months Maintenance Service Schedule

- Change the engine oil and engine oil filter.
- Rotate tires.
- If using your vehicle for any of the following: Dusty or off-road conditions.
Inspect the engine air cleaner filter, replace if necessary.
- Inspect the brake linings, replace if necessary.

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90,000 Miles (150,000 km) or 90 Months Maintenance Service Schedule

- Change the engine oil and engine oil filter.
- Rotate tires.
- Replace the engine air cleaner filter.
- Replace the spark plugs (3.7L Engine).
- Replace the top row of spark plugs (4.7L Engine). **
- Inspect and replace PCV valve, if necessary.
- Inspect the front and rear axle fluid, change if you are using your vehicle for police, taxi, fleet, off-road, or frequent trailer towing.
- Inspect the transfer case fluid

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96,000 Miles (160,000 km) or 96 Months Maintenance Service Schedule

- Change the engine oil and engine oil filter.
- Rotate tires.
- If using your vehicle for any of the following: Dusty or off-road conditions. Inspect the engine air cleaner filter, replace if necessary.
- Inspect the brake linings, replace if necessary.
- Inspect the CV joints.
- Inspect the exhaust system.
- Inspect the front suspension, tie rod ends and boot seals, replace if necessary.

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102,000 Miles (170,000 km) or 102 Months Maintenance Service Schedule

- Change the engine oil and engine oil filter.
- Rotate tires.
- Replace the ignition cables (4.7L Engine).**
- Replace the side row of spark plugs (4.7L Engine). ****
- Flush and replace the engine coolant if not done at 60 months.

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108,000 Miles (180,000 km) or 108 Months Maintenance Service Schedule

- Change the engine oil and engine oil filter.
- Rotate tires.
- If using your vehicle for any of the following: Dusty or off-road conditions. Inspect the engine air cleaner filter, replace if necessary.
- Inspect the brake linings, replace if necessary.
- Inspect the front and rear axle fluid, change if you are using your vehicle for police, taxi, fleet, off-road, or frequent trailer towing.

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114,000 Miles (190,000 km) or 114 Months Maintenance Service Schedule

- Change the engine oil and engine oil filter.
- Rotate tires.

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120,000 Miles (200,000 km) or 120 Months Maintenance Service Schedule

- Change the engine oil and engine oil filter.
- Rotate tires.
- Replace the engine air cleaner filter.
- Replace the ignition cables (3.7L Engine).**
- Replace the spark plugs (3.7L Engine).**
- Replace the top row of spark plugs (4.7L Engine). ****
- Inspect the brake linings, replace if necessary.
- Inspect the CV joints.
- Inspect the exhaust system.
- Inspect the front suspension, tie rod ends and boot seals, replace if necessary.
- Change the manual transmission fluid if using your vehicle for any of the following: trailer towing, snow plowing, heavy loading, taxi, police, delivery service (commercial service), off-road, desert operation or more than 50% of your driving is at sustained high speeds during hot weather, above 90°F (32°C).
- Change the automatic transmission fluid & filter.
- Change the transfer case fluid if using your vehicle for any of the following: police, taxi, fleet, off-road, or frequent trailer towing.
- Replace the accessory drive belt(s).

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126,000 Miles (210,000 km) or 126 Months Maintenance Service Schedule

- Change the engine oil and engine oil filter.
- Rotate tires.
- Inspect the front and rear axle fluid, change if you are using your vehicle for police, taxi, fleet, off-road, or frequent trailer towing.

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132,000 Miles (220,000 km) or 132 Months Maintenance Service Schedule

- Change the engine oil and engine oil filter.
- Rotate tires.
- If using your vehicle for any of the following: Dusty or off-road conditions. Inspect the engine air cleaner filter, replace if necessary.
- Inspect the brake linings, replace if necessary.

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138,000 Miles (230,000 km) or 138 Months Maintenance Service Schedule

- Change the engine oil and engine oil filter.
- Rotate tires.

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144,000 Miles (240,000 km) or 144 Months Maintenance Service Schedule

- Change the engine oil and engine oil filter.
- Rotate tires.
- If using your vehicle for any of the following: Dusty or off-road conditions. Inspect the engine air cleaner filter, replace if necessary.
- Inspect the brake linings, replace if necessary.
- Inspect the Cv joints.
- Inspect the exhaust system.
- Inspect the front and rear axle fluid, change if you are using your vehicle for police, taxi, fleet, off-road, or frequent trailer towing.
- Inspect the front suspension, tie rod ends and boot seals, replace if necessary.

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150,000 Miles (250,000 km) or 150 Months Maintenance Service Schedule

- Change the engine oil and engine oil filter.
- Rotate tires.
- Replace the engine air cleaner filter.
- Replace the spark plugs (3.7L Engine).**
- Replace the top row of spark plugs (4.7L Engine). ****
- Inspect the transfer case fluid.

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† This maintenance is recommended by the manufacturer to the owner, but is not required to maintain emissions warranty.

WARNING!

You can be badly injured working on or around a motor vehicle. Do only that service work for which you have the knowledge and the right equipment. If you have any doubt about your ability to perform a service job, take your vehicle to a competent mechanic.