

MAINTENANCE SCHEDULES

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EMISSION CONTROL SYSTEM MAINTENANCE

The “Scheduled” maintenance services, listed in **bold type** 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 any time 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 which has been certified pursuant to U.S. EPA or, in the State of California, California Air Resources Board regulations.

MAINTENANCE SCHEDULE — GASOLINE ENGINES

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

On Electronic Vehicle Information Center (EVIC) equipped vehicles, “Oil Change Required” will be displayed in the EVIC and a single chime will sound, indicating that an oil change is necessary.

Based on engine operation condition 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 miles (805 km).

NOTE:

- The oil change indicator message will not monitor the time since the last oil change. Change your vehicles oil if it has been 6 months since your last oil change even if the oil change indicator message is NOT illuminated.

- 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 miles (10,000 km) or 6 months, whichever comes first.

Your 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 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.

At Each Stop for Fuel

- Check the engine oil level about 5 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.

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At Each Oil Change

- Change the engine oil filter.
- Inspect the brake hoses and lines.

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 change every 30,000 miles (50 000 km)

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

Maintenance Items	Perform Maintenance Every (Where time and mileage are listed, follow the interval that occurs first.)		
	Miles	Kilometers	or Months
Change the engine oil and engine oil filter.	6,000	10 000	6
Rotate tires.	6,000	10 000	6
If using your vehicle for any of the following: Dusty or off-road conditions. Inspect the engine air cleaner filter, replace if necessary.	12,000	20 000	12
Inspect the brake linings, replace if necessary.	12,000	20 000	12
Inspect the front & rear axle fluid, change if using your vehicle for police, taxi, fleet, off-road or frequent trailer towing.	18,000	30 000	18
Inspect the CV joints. Perform the first inspection at 12,000 miles (20 000 km) or 12 months.	24,000	40 000	24
Inspect exhaust system. Perform the first inspection at 12,000 miles (20 000 km) or 12 months.	24,000	40 000	24
Inspect the front suspension, tie rod ends and boot seals, replace if necessary.	24,000	40 000	24
Replace the engine air cleaner filter.	30,000	50 000	30

Maintenance Items	Perform Maintenance Every (Where time and mileage are listed, follow the interval that occurs first.)		
	Miles	Kilometers	or Months
Check the PCV valve, replace if necessary. Perform the first inspection at 60,000 miles (100 000 km) or 60 months.	30,000	50 000	30
Inspect the transfer case fluid.	30,000	50 000	30
Replace the top row of spark plugs (4.7L Only). **	30,000	50 000	30
Replace the spark plugs (3.7L/5.7L Engines).	30,000	50 000	30
Change the automatic transmission fluid & filter if using your vehicle for any of the following: police, taxi, fleet or frequent trailer towing.	60,000	100 000	60
Change the transfer case fluid if using your vehicle for any of the following: police, taxi, fleet, off-road or frequent trailer towing.	60,000	100 000	60
Flush and replace the engine coolant.	102,000	170 000	60
Replace the ignition cables (4.7L Only).	102,000	170 000	102
Replace the side row of spark plugs (4.7L Only). **	102,000	170 000	102
Change the automatic transmission fluid & filter.	120,000	200 000	120
Replace accessory drive belt(s) (3.7L / 4.7L / 5.7L Engines).	120,000	200 000	120

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.

MAINTENANCE SCHEDULES — DIESEL ENGINE

There are two maintenance schedules that show the **required** service for your vehicle.

First is Schedule "B". It is for vehicles that are operated under the conditions that are listed below and at the beginning of the schedule.

- Day or night temperatures are below 32°F (0°C).
- Stop and go driving.
- Extensive engine idling.
- Driving in dusty conditions.
- Short trips of less than 10 miles (16.2 km).
- More than 50% of your driving is at sustained high speeds during hot weather, above 90°F (32°C).
- Trailer towing.
- Taxi, police, or delivery service (commercial service).

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- Off-road or desert driving.

NOTE: Most vehicles are operated under the conditions listed for Schedule “B.”

Second is Schedule “A”. It is for vehicles that are not operated under any of the conditions listed under Schedule “B.”

Use the schedule that best describes your driving conditions. Where time and mileage are listed, follow the interval that occurs first.

CAUTION!

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

At Each Stop for Fuel

- Check the engine oil level about 5 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, add as required.

Once a Month

- Check the tire pressure and look for unusual wear or damage.
- Inspect the battery, clean and tighten the terminals as required.
- Check the fluid levels of engine coolant/anti-freeze deaeration bottle, brake master cylinder, and transmission, and add as needed.

- Check all lights and all other electrical items for correct operation.

At Each Oil Change

- Change the engine oil filter.
- Inspect the exhaust system.
- Inspect brake hoses.
- Check the engine coolant / anti-freeze level, hoses, and clamps.
- Inspect engine accessory drive belts. Replace as necessary.
- Inspect for the presence of water in the fuel filter / water separator unit.

452 SCHEDULE "B" — DIESEL ENGINE

Schedule "B" — Diesel Engine

Follow schedule "B" if you usually operate your vehicle under one or more of the following conditions.

- Day or night temperatures are below 32°F (0°C).
- Stop and go driving.
- Extensive engine idling.
- Driving in dusty conditions.
- Short trips of less than 10 miles (16.2 km).
- More than 50% of your driving is at sustained high speeds during hot weather, above 90°F (32°C).
- Trailer towing.
- Taxi, police, or delivery service (commercial service).
- Off-road or desert driving.

Miles (Kilometers)	6,250 (10 000)	12,500 (20 000)	18,750 (30 000)	25,000 (40 000)	31,250 (50 000)
Change the engine oil and engine oil filter.	X	X	X	X	X
Rotate the tires.	X		X		X
Check spare tire for proper pressure and correct stowage.	X	X	X	X	X
Inspect the engine air filter element. Replace as necessary.	X		X		X
Replace the engine air filter element.		X		X	
Replace the fuel filter/water separator unit.				X	
Inspect the brake linings.		X		X	
Drain the transfer case and refill.					X
Drain and refill the front and rear axles.		X		X	

454 SCHEDULE "B" — DIESEL ENGINE

Miles (Kilometers)	37,500 (60 000)	43,750 (70 000)	50,000 (80 000)	56,250 (90 000)	62,500 (100 000)
Change the engine oil and engine oil filter.	X	X	X	X	X
Rotate the tires.		X		X	
Check spare tire for proper pressure and correct stowage.	X	X	X	X	X
Inspect the engine air filter element. Replace as necessary.		X		X	
Replace the engine air filter element.	X		X		X
Replace the fuel filter/water separator unit.			X		
Replace the engine accessory drive belt.	X				
Inspect the brake linings.	X		X		X
Drain and refill the front and rear axles.	X		X		X
Drain and refill the transmission fluid, and change the filter.					X
Drain the transfer case and refill.					X

Miles (Kilometers)	68,750 (110 000)	75,000 (120 000)	81,250 (130 000)	87,500 (140 000)	93,750 (150 000)	100,000 (160 000)
Change the engine oil and engine oil filter.	X	X	X	X	X	X
Rotate the tires.	X		X		X	
Check spare tire for proper pressure and correct stowage.	X	X	X	X	X	X
Inspect the engine air filter element. Replace as necessary.	X		X		X	
Replace the engine air filter element.		X		X		X
Replace the engine accessory drive belt.		X				
Replace the fuel filter/ water separator unit.		X				X
Flush and replace the engine coolant/ anti-freeze.						X
Inspect the brake linings.		X		X		
Drain the transfer case and refill.					X	
Drain and refill the front and rear axles.		X		X		

456 SCHEDULE "B" — DIESEL ENGINE

◇ Applies only if vehicle is used for frequent trailer towing, or fleet/commercial service.

† The replacement of such component is requested when there is superficial wear, bearing clearance, or evident grease leak.

Inspection and service should be performed anytime a malfunction is observed or suspected. Retain all receipts.

Schedule "A" — Diesel Engine

Miles (Kilometers)	12,500 (20 000)	25,000 (40 000)	37,500 (60 000)	50,000 (80 000)
Change the engine oil and engine oil filter.	X	X	X	X
Rotate the tires.	X	X	X	X
Check spare tire for proper pressure and correct stowage.	X	X	X	X
Inspect the engine air filter element. Replace as necessary.	X		X	
Replace the engine air filter element.		X		X
Replace the fuel filter/ water separator unit.		X		X
Inspect the brake linings.		X		X
Drain the transfer case and refill.		X		X

458 SCHEDULE "A" — DIESEL ENGINE

Miles (Kilometers)	62,500 (100 000)	75,000 (120 000)	87,500 (140 000)	100,000 (160 000)
Change the engine oil and engine oil filter.	X	X	X	X
Rotate the tires.	X	X	X	X
Check spare tire for proper pressure and correct stowage.	X	X	X	X
Inspect the engine air filter element. Replace as necessary.	X		X	
Replace the engine air filter element.		X		X
Replace the fuel filter/ water separator unit.		X		X
Flush and replace the engine coolant/ anti-freeze.				X
Replace the engine accessory drive belt.	X			
Inspect the brake linings.		X		X
Drain the transfer case and refill.		X		X

Inspection and service should be performed anytime a malfunction is observed or suspected. Retain all receipts.

◇ The replacement of such component is requested when there is superficial wear, bearing clearance, or evident grease leak.