MAINTENANCE SCHEDULES

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EMISSION CONTROL SYSTEM MAINTENANCE

The "Scheduled" maintenance services, listed in **bold type** in this section (Section 8) 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 SCHEDULES

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 km).
- More than 50% of your driving is at sustained high speeds during hot weather, above 90° F C (32°).
- Trailer towing.
- Snowplowing.

- Heavy Loading.
- Taxi, police, or delivery service (commercial service).
- Off-road or desert operation.
- **If equipped for and operating with E-85 (ethanol) fuel.**

NOTE: If **ANY** of these apply to you then change your engine oil every 3,000 miles (5 000 km) or 3 months, whichever comes first and follow schedule “B” of the ″Maintenance Schedules″ section of this manual.

NOTE: If **ANY** of these apply to you then flush and replace your engine coolant every 102,000 miles (170 000 km) or 60 months, whichever comes first and follow schedule “B” of the ″Maintenance Schedules″ section of this manual.

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.

NOTE: Under no circumstances should oil change intervals exceed 6000 miles (10 000 km) or 6 months whichever comes 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 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 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.
- Lubricate the front driveshaft grease fitting and tie rod end links.
- Inspect the exhaust system.
- Inspect the brake hoses.
- Inspect the U—joints and front suspension components.
- Check the automatic transmission fluid level.
- Check the manual transmission fluid level.
- Check the coolant level, hoses, and clamps.
- Lubricate Front Drive Shaft Fitting.

Schedule "B"

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 km).
- More than 50% of your driving is at sustained high speeds during hot weather, above 90° F C (32°).
- Trailer towing.
- Snowplowing.
- Heavy Loading.
- Taxi, police, or delivery service (commercial service).
- Off-road or desert operation.
- **If equipped for and operating with E-85 (ethanol) fuel.**

NOTE: If **ANY** of these apply to you then change your engine oil every 3,000 miles (5 000 km) or 3 months, whichever comes first and follow schedule "B" of the ″Maintenance Schedules″ section of this manual.

NOTE: If **ANY** of these apply to you then flush and replace your engine coolant every 102,000 miles (170 000 km) or 60 months, whichever comes first and follow schedule "B" of the ″Maintenance Schedules″ section of this manual.

If none of these apply to you, then change your engine oil at every interval shown on schedule ″A″ of the ″Maintenance Schedules″ section of this manual.

450 SCHEDULE "B"

Miles (Kilometers)	**3,000 (5 000)**	**6,000 (10 000)**	**9,000 (14 000)**	**12,000 (19 000)**	**15,000 (24 000)**
Change engine oil and engine oil filter, or at 3 months, whichever comes first.	X	X	X	X	X
Lubricate Front Drive Shaft Fitting.	X	X	X	X	X
Rotate tires.		X		X	
Check spare tire for proper pressure and correct stowage.		X		X	
Lubricate tie rod end links.	X	X	X	X	X
Change rear axle fluid.					X
Change front axle fluid.					X
Inspect brake linings.				X	
Inspect engine air cleaner filter, replace if necessary.					X

Miles (Kilometers)	**18,000 (29 000)**	**21,000 (34 000)**	**24,000 (39 000)**	**27,000 (43 000)**	**30,000 (48 000)**
Change engine oil and engine oil filter, or at 3 months, whichever comes first.	X	X	X	X	X
Lubricate Front Drive Shaft Fitting.	X	X	X	X	X
Rotate tires.	X		X		X
Check spare tire for proper pressure and correct stowage.	X		X		X
Lubricate tie rod end links.	X	X	X	X	X
Change rear axle fluid.					X
Change front axle fluid.					X
Check transfer case fluid level.					X
Inspect brake linings.			X		
Inspect engine air cleaner filter, replace if necessary.					X
Replace spark plugs.					X
Inspect PCV valve, replace as necessary.**					X

Miles (Kilometers)	**33,000 (53 000)**	**36,000 (58 000)**	**39,000 (63 000)**	**42,000 (68 000)**	**45,000 (72 000)**
Change engine oil and engine oil filter, or at 3 months, whichever comes first.	X	X	X	X	X
Lubricate Front Drive Shaft Fitting.	X	X	X	X	X
Rotate tires.		X		X	
Check spare tire for proper pressure and correct stowage.		X		X	
Lubricate tie rod end links.	X	X	X	X	X
Change rear axle fluid.					X
Change front axle fluid.					X
Inspect brake linings.		X			
Inspect engine air cleaner filter, replace if necessary.					X

Miles (Kilometers)	**48,000 (77 000)**	**51,000 (82 000)**	**54,000 (87 000)**	**57,000 (92 000)**	**60,000 (97 000)**
Change engine oil and engine oil filter, or at 3 months, whichever comes first.	X	X	X	X	X
Lubricate Front Drive Shaft Fitting.	X	X	X	X	X
Flush and replace engine coolant at 60 months, or 102, 000 miles (170 000 km) whichever comes first.					X
Rotate tires.	X		X		X
Check spare tire for proper pressure and correct stowage.	X		X		X
Lubricate tie rod end links.	X	X	X	X	X
Drain and refill transfer case fluid.					X
Change rear axle fluid.					X
Change front axle fluid.					X
Change 6-spd manual transmission (G-56) fluid.					X
Inspect brake linings.	X				X
Inspect engine air cleaner filter, replace if necessary.					X

Miles **(Kilometers)**	**48,000** **(77 000)**	**51,000** **(82 000)**	**54,000** **(87 000)**	**57,000** **(92 000)**	**60,000** **(97 000)**
Replace spark plugs.					X
Inspect PCV valve, replace as necessary.**					X
Drain and refill automatic tranmission fluid and change main sump filter (545RFE only).					X

Miles (Kilometers)	**63,000 (101 000)**	**66,000 (106 000)**	**69,000 (111 000)**	**72,000 (116 000)**	**75,000 (121 000)**
Change engine oil and engine oil filter, or at 3 months, whichever comes first.	X	X	X	X	X
Lubricate Front Drive Shaft Fitting.	X	X	X	X	X
Rotate tires.		X		X	
Check spare tire for proper pressure and correct stowage.		X		X	
Lubricate tie rod end links.	X	X	X	X	X
Inspect engine air cleaner filter.					X
Change rear axle fluid.					X
Change front axle fluid.					X
Inspect brake linings.				X	
Inspect auto tension drive belt and replace if required.					X

Miles (Kilometers)	**78,000 (126 000)**	**81,000 (130 000)**	**84,000 (135 000)**	**87,000 (140 000)**	**90,000 (145 000)**
Change engine oil and engine oil filter, or at 3 months, whichever comes first.	X	X	X	X	X
Lubricate Front Drive Shaft Fitting.	X	X	X	X	X
Rotate tires.	X		X		X
Check spare tire for proper pressure and correct stowage.	X		X		X
Lubricate tie rod end links.	X	X	X	X	X
Change rear axle fluid.					X
Change front axle fluid.					X
Check transfer case fluid level.					X
Inspect brake linings.			X		
Inspect engine air cleaner filter, replace if necessary.					X
Replace spark plugs.					X
Inspect PCV valve, replace as necessary.**					X
Inspect auto tension drive belt and replace if required.					X

Miles (Kilometers)	**93,000 (150 000)**	**96,000 (154 000)**	**99,000 (159 000)**	**102,000 (164 000)**
Change engine oil and engine oil filter, or at 3 months, whichever comes first.	X	X	X	X
Lubricate Front Drive Shaft Fitting.	X	X	X	X
Rotate tires.		X		X
Check spare tire for proper pressure and correct stowage.		X		X
Lubricate tie rod end links.	X	X	X	X
Flush and replace engine coolant, if not replaced at 60 months.				X
Inspect brake linings.		X		

Miles (Kilometers)	**105,000 (169 000)**	**108,000 (174 000)**	**111,000 (179 000)**	**114,000 (183 000)**	**117,000 (188 000)**	**120,000 (193 000)**
Change engine oil and engine oil filter, or at 3 months, whichever comes first.	X	X	X	X	X	X
Lubricate Front Drive Shaft Fitting.	X	X	X	X	X	X
Rotate tires.		X		X		X
Check spare tire for proper pressure and correct stowage.		X		X		X
Lubricate tie rod end links.	X	X	X	X	X	X
Drain and refill transfer case fluid.						X
Change rear axle fluid.	X					X
Change front axle fluid.	X					X
Change 6-spd manual transmission (G-56) fluid.						X
Inspect brake linings.		X				X
Inspect engine air cleaner filter, replace if necessary.	X					X
Replace spark plugs.						X

Miles (Kilometers)	**105,000 (169 000)**	**108,000 (174 000)**	**111,000 (179 000)**	**114,000 (183 000)**	**117,000 (188 000)**	**120,000 (193 000)**
Inspect PCV valve, replace as necessary.**						X
Inspect auto tension drive belt and replace if required.	X					X
Drain and refill automatic tranmission fluid and change main sump and spin-on cooler return filter (if equipped) [545RFE only].						X
Flush and replace engine coolant at 120 months, if not replaced at 102,000 miles (170 000 km).						X

* This applies only if the vehicle is used for frequent trailer towing, snowplowing, fleet vehicle or commercial service.

**This maintenance is recommend, but not required.

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

Schedule "A"

Miles (Kilometers) [Months]	**6,000 (10 000) [6]**	**12,000 (19 000) [12]**	**18,000 (29 000) [18]**	**24,000 (39 000) [24]**	**30,000 (48 000) [30]**
Change engine oil and engine oil filter.	X	X	X	X	X
Lubricate Front Prop Shaft fitting.	X	X	X	X	X
Rotate tires.	X	X	X	X	X
Check spare tire for proper pressure and correct stowage.	X	X	X	X	X
Check transfer case fluid level.					X
Lubricate tie rod end links.	X	X	X	X	X
Inspect brake linings.			X		
Inspect engine air cleaner filter, replace if necessary.					X
Replace spark plugs.					X

Miles (Kilometers) [Months]	**36,000 (58 000) [36]**	**42,000 (68 000) [42]**	**48,000 (77 000) [48]**	**54,000 (87 000) [54]**	**60,000 (97 00) [60]**	**66,000 (106 000) [66]**
Change engine oil and engine oil filter.	X	X	X	X	X	X
Lubricate Front Prop Shaft fitting.	X	X	X	X	X	X
Rotate tires.	X	X	X	X	X	X
Check spare tire for proper pressure and correct stowage.	X	X	X	X	X	X
Check transfer case fluid level.					X	
Lubricate tie rod end links.	X	X	X	X	X	X
Flush and replace engine coolant at 60 months, if not replaced at 102,000 miles (170 000 km).					X	
Inspect brake linings.	X			X		
Inspect engine air cleaner filter, replace if necessary.					X	
Replace spark plugs.					X	
Inspect PCV valve, replace as necessary.**					X	

Miles (Kilometers) [Months]	**72,000 (116 000) [72]**	**78,000 (126 000) [78]**	**84,000 (135 000) [84]**	**90,000 (145 000) [90]**	**96,000 (154 000) [96]**
Change engine oil and engine oil filter.	X	X	X	X	X
Lubricate Front Prop Shaft fitting.	X	X	X	X	X
Rotate tires.	X	X	X	X	X
Check spare tire for proper pressure and correct stowage.	X	X	X	X	X
Lubricate tie rod end links.	X	X	X	X	X
Check transfer case fluid level.				X	
Inspect brake linings.	X			X	
Inspect engine air cleaner filter, replace if necessary.				X	
Replace spark plugs.				X	
Inspect PCV valve, replace as necessary.**				X	
Inspect auto tension drive belt and replace if required.				X	

Miles (Kilometers) [Months]	**102,000 (164 000) [102]**	**108,000 (174 000) [108]**	**114,000 (183 000) [114]**	**120,000 (193 000) [120]**
Change engine oil and engine oil filter.	X	X	X	X
Lubricate Front Prop Shaft fitting.	X	X	X	X
Rotate tires.	X	X	X	X
Check spare tire for proper pressure and correct stowage.	X	X	X	X
Drain and refill transfer case fluid.				X
Flush and replace engine coolant, if not replaced at 60 months.	X			
Flush and replace engine coolant at 120 months, if not replaced at 102,000 miles (170 000 km).				X
Lubricate tie rod end links.	X	X	X	X
Inspect brake linings.		X		
Inspect auto tension drive belt and replace if required.	X			X
Inspect engine air cleaner filter, replace if necessary.				X

Miles **(Kilometers)** **[Months]**	**102,000** **(164 000)** **[102]**	**108,000** **(174 000)** **[108]**	**114,000** **(183 000)** **[114]**	**120,000** **(193 000)** **[120]**
Replace spark plugs.				X
Inspect PCV Valve, replace as necessary.**				X

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

**This maintenance is recommend, but not required.

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.