

MAINTENANCE SCHEDULES

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412 MAINTENANCE SCHEDULES

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 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
- Excessive 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
- Heavy loading

- Taxi, police, or delivery service (commercial service)
- Off-road or desert driving

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

NOTE: If **ANY** of these apply to you, change your engine oil every 3,000 miles (5 000 km) or 3 months, whichever comes first, and follow the maintenance recommendations in “Maintenance Schedule B.”

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.

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.

414 MAINTENANCE SCHEDULES

Once a Month

- Check the 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 the coolant reservoir, 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.
- After completion of off-road operation, the underside of the vehicle should be thoroughly inspected. Examine threaded fasteners for looseness.

Schedule "B"

Follow this schedule 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
- Excessive 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
- Heavy loading

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

NOTE: If **ANY** of these apply to you, change your engine oil every 3,000 miles (5 000 km) or 3 months, whichever comes first, and follow the maintenance recommendations in "Maintenance Schedule B."

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.

416 SCHEDULE "B"

Miles (Kilometers)	3,000 (5 000)	6,000 (10 000)	9,000 (15 000)	12,000 (20 000)	15,000 (25 000)
Change the engine oil and engine oil filter, if not replaced at 3 months.	X	X	X	X	X
Rotate the tires.		X		X	
Check spare tire for proper pressure and correct stowage.		X		X	
Inspect the engine air cleaner filter, replace if necessary.					X
Drain and refill the front and rear axles.					X
Inspect the brake linings.				X	

Miles (Kilometers)	18,000 (30 000)	21,000 (35 000)	24,000 (40 000)	27,000 (45 000)	30,000 (50 000)
Change the engine oil and engine oil filter, if not replaced at 3 months.	X	X	X	X	X
Rotate the tires.	X		X		X
Check spare tire for proper pressure and correct stowage.	X		X		X
Inspect the engine air cleaner filter, replace if necessary.					X
Inspect the PCV Valve, replace if necessary. ◇					X
Replace the spark plugs.					X
Drain and refill the front and rear axles.					X
Inspect the brake linings.			X		
Drain the transfer case and refill.					X

418 SCHEDULE "B"

Miles (Kilometers)	33,000 (55 000)	36,000 (60 000)	39,000 (65 000)	42,000 (70 000)	45,000 (75 000)
Change the engine oil and engine oil filter, if not replaced at 3 months.	X	X	X	X	X
Rotate the tires.		X		X	
Check spare tire for proper pressure and correct stowage.		X		X	
Inspect the engine air cleaner filter, replace if necessary.					X
Drain and refill the front and rear axles.					X
Inspect the brake linings.		X			

Miles (Kilometers)	48,000 (80 000)	51,000 (85 000)	54,000 (90 000)	57,000 (95 000)	60,000 (100 000)
Change the engine oil and engine oil filter, if not replaced at 3 months.	X	X	X	X	X
Rotate the tires.	X		X		X
Check spare tire for proper pressure and correct stowage.	X		X		X
Inspect the engine air cleaner filter, replace if necessary.					X
Inspect the PCV Valve, replace if necessary. ◇					X
Replace the spark plugs.					X
Inspect the engine accessory drive belt, replace if necessary.					X
Inspect the brake linings.	X				X
Drain and refill the front and rear axles.					X
Drain and refill the automatic transmission fluid, and replace main sump filter and cooler return filter (if equipped) (3.7L/4.7L/5.7L).					X
Drain and refill the transfer case fluid.					X
Flush and replace engine coolant/anti-freeze.					X

420 SCHEDULE "B"

Miles (Kilometers)	63,000 (105 000)	66,000 (110 000)	69,000 (115 000)	72,000 (120 000)	75,000 (125 000)
Change the engine oil and engine oil filter, if not replaced at 3 months.	X	X	X	X	X
Rotate the tires.		X		X	
Check spare tire for proper pressure and correct stowage.		X		X	
Inspect the engine air cleaner filter, replace if necessary.					X
Inspect the engine accessory drive belt, replace if necessary.*					X
Inspect the brake linings.				X	
Drain and refill the front and rear axle fluid.					X

Miles (Kilometers)	78,000 (130 000)	81,000 (135 000)	84,000 (140 000)	87,000 (145 000)	90,000 (150 000)
Change the engine oil and engine oil filter, if not replaced at 3 months.	X	X	X	X	X
Rotate the tires.	X		X		X
Check spare tire for proper pressure and correct stowage.	X		X		X
Inspect the engine air cleaner filter, replace if necessary.					X
Inspect the PCV Valve, replace if necessary. ◇					X
Replace the spark plugs.					X
Inspect the engine accessory drive belt, replace if necessary.*					X
Drain and refill the transfer case fluid.					X
Inspect the brake linings.			X		
Drain and refill the front and rear axle fluid.					X

422 SCHEDULE "B"

Miles (Kilometers)	93,000 (155 000)	96,000 (160 000)	99,000 (165 000)	102,000 (170 000)	105,000 (175 000)
Change the engine oil and engine oil filter, if not replaced at 3 months.	X	X	X	X	X
Rotate the tires.		X		X	
Check spare tire for proper pressure and correct stowage.		X		X	
Inspect the engine air cleaner filter, replace if necessary.					X
Inspect the engine accessory drive belt, replace if necessary.*					X
Inspect the brake linings.		X			
Drain and refill the front and rear axle fluid.					X
Flush and replace the engine coolant/anti-freeze, if not done at 60 months.				X	

Miles (Kilometers)	108,000 (180 000)	111,000 (185 000)	114,000 (190 000)	117,000 (195 000)	120,000 (200 000)
Change the engine oil and engine oil filter, if not replaced at 3 months.	X	X	X	X	X
Rotate the tires.	X		X		X
Check spare tire for proper pressure and correct stowage.	X		X		X
Inspect the engine air cleaner filter, replace if necessary.					X
Inspect the PCV Valve, replace if necessary. ◇					X
Replace the spark plugs.					X
Inspect the engine accessory drive belt, replace if necessary.*					X
Inspect the brake linings.	X				X
Drain and refill the front and rear axle fluid.					X
Drain and refill the automatic transmission fluid, and replace main sump filter and cooler return filter (if equipped) (3.7L/4.7L/5.7L).					X
Drain and refill the transfer case fluid.					X
Flush and replace the engine coolant/anti-freeze, if not replaced at 102,000 miles (170 000 km).					X

424 SCHEDULE "B"

Miles (Kilometers)	123,000 (205 000)	126,000 (210 000)	129,000 (215 000)	132,000 (220 000)	135,000 (225 000)
Change the engine oil and engine oil filter, if not replaced at 3 months.	X	X	X	X	X
Rotate the tires.	X		X		X
Check spare tire for proper pressure and correct stowage.	X		X		X
Inspect the engine air cleaner filter, replace if necessary.					X
Inspect the engine accessory drive belt, replace if necessary.*					X
Inspect the brake linings.				X	
Drain and refill the front and rear axle fluid.					X

Miles (Kilometers)	138,000 (230 000)	141,000 (235 000)	144,000 (240 000)	147,000 (245 000)	150,000 (250 000)
Change the engine oil and engine oil filter, if not replaced at 3 months.	X	X	X	X	X
Rotate the tires.	X		X		X
Check spare tire for proper pressure and correct stowage.	X		X		X
Inspect the engine air cleaner filter, replace if necessary.					X
Inspect the PCV Valve, replace if necessary. ◇					X
Replace the spark plugs.					X
Inspect the engine accessory drive belt, replace if necessary.*					X
Inspect the brake linings.			X		
Drain and refill the front and rear axle fluid.					X
Drain and refill the transfer case fluid.					X
Flush and replace the engine coolant/anti-freeze, if not replaced at 120,000 miles (200 000 km).					X

426 SCHEDULE "B"

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

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

* This maintenance is not required if the belt was previously replaced.

Schedule "A"

Miles (Kilometers) [Months]	6,000 (10 000) [6]	12,000 (20 000) [12]	18,000 (30 000) [18]	24,000 (40 000) [24]	30,000 (50 000) [30]
Change the engine oil and engine oil filter.	X	X	X	X	X
Rotate the tires.	X	X	X	X	X
Check spare tire for proper pressure and correct stowage.	X	X	X	X	X
Inspect the engine air cleaner filter, and replace if necessary.					X
Replace the spark plugs.					X
Inspect the brake linings.			X		
Drain the transfer case and refill.					X

428 SCHEDULE "A"

Miles (Kilometers) [Months]	36,000 (60 000) [36]	42,000 (70 000) [42]	48,000 (80 000) [48]	54, 000 (90 000) [54]
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 brake linings.	X			X

Miles (Kilometers) [Months]	60,000 (100 000) [60]	66,000 (110 000) [66]	72,000 (120 000) [72]	78,000 (130 000) [78]
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 cleaner filter, and replace if necessary.	X			
Inspect the PCV Valve, replace if necessary. ◇	X			
Replace the spark plugs.	X			
Inspect the engine accessory drive belt, replace if necessary.	X			
Flush and replace the engine coolant/anti-freeze.	X			
Inspect the brake linings.			X	
Drain the transfer case and refill.	X			

430 SCHEDULE "A"

Miles (Kilometers) [Months]	84,000 (140 000) [84]	90,000 (150 000) [90]	96,000 (160 000) [96]	102, 000 (170 000) [102]
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 cleaner filter, and replace if necessary.		X		
Inspect the PCV Valve, replace if necessary. ◇		X		
Replace the spark plugs.		X		
Inspect the engine accessory drive belt, replace if necessary.*		X		
Inspect the brake linings.		X		
Flush and replace the engine coolant/anti-freeze if not replaced at 60 months.				X
Drain the transfer case and refill.		X		

Miles (Kilometers) [Months]	108,000 (180 000) [108]	114,000 (190 000) [114]	120,000 (200 000) [120]	126,000 (210 000) [126]
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 cleaner filter, and replace if necessary.			X	
Inspect the PCV Valve, replace if necessary. ◇			X	
Replace the spark plugs.			X	
Inspect the engine accessory drive belt, replace if necessary.*			X	
Inspect the brake linings.	X			X
Flush and replace the engine coolant/anti-freeze if not done at 102,000 miles (170 000 km).			X	
Drain the transfer case and refill.			X	

432 SCHEDULE "A"

Miles (Kilometers) [Months]	132,000 (220 000) [132]	138,000 (230 000) [138]	144,000 (240 000) [144]	150,000 (250 000) [150]
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 cleaner filter, and replace if necessary.				X
Inspect the PCV Valve, replace if necessary. ◇				X
Replace the spark plugs.				X
Inspect the engine accessory drive belt, replace if necessary.*				X
Inspect the brake linings.			X	
Flush and replace the engine coolant/anti-freeze if not done at 120,000 miles (200 000 km).				X
Drain the transfer case and refill.				X

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

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

* This maintenance is not required if the belt was previously replaced.

WARNING!

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

MAINTENANCE SCHEDULES — DIESEL ENGINES

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).
- Off-road or desert driving.

434 SCHEDULE "A"

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.

436 SCHEDULE "B" — DIESEL ENGINES

Schedule "B" — Diesel Engines

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	

438 SCHEDULE "B" — DIESEL ENGINES

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		

440 SCHEDULE "B" — DIESEL ENGINES

◇ 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"

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

442 SCHEDULE "A"

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.