

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

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/anti-freeze 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.

CAUTION!

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

418 MAINTENANCE SCHEDULES

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 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.
- Inspect the CV joints (If equipped) and front suspension components.
- Check the coolant 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
- 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 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/anti-freeze 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.

420 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	
Inspect the engine air filter element, replace if necessary.					X
Inspect the brake linings.				X	
Drain and refill the front and rear axle fluid.					X
Inspect the transfer case fluid, add if necessary.					X
Clean and lubricate soft top zippers (if equipped).	X	X	X	X	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
Inspect the engine air filter element, replace if necessary.					X
Inspect the PCV Valve, and replace if necessary. ◇					X
Inspect the brake linings.			X		
Drain and refill the front and rear axle fluid.					X
Inspect the manual transmission fluid, add as necessary.					X
Inspect the transfer case fluid, add if necessary.					X
Clean and lubricate soft top zippers (if equipped).	X	X	X	X	X

422 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	
Inspect the engine air filter element, replace if necessary.					X
Inspect the brake linings.		X			
Drain and refill the front and rear axle fluid.					X
Inspect the transfer case fluid, add if necessary.					X
Inspect the drive belt, and replace as needed.					X
Clean and lubricate soft top zippers (if equipped).	X	X	X	X	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
Inspect the engine air filter element, replace if necessary.					X
Inspect the PCV Valve, and replace if necessary. ◇					X
Inspect the brake linings.	X				X
Change the brake fluid. If vehicle is used for trailer towing.	X				
Drain and refill the front and rear axle fluid.					X
Inspect manual transmission fluid, add as necessary.					X

424 SCHEDULE "B"

Miles (Kilometers)	48,000 (80 000)	51,000 (85 000)	54,000 (90 000)	57,000 (95 000)	60,000 (100 000)
Drain and refill the automatic transmission fluid. Replace main sump filter and spin-on cooler return filter (if equipped).‡					X
Inspect the drive belt, and replace as needed. Not required if belt was previously.					X
Drain and refill the transfer case fluid.					X
Flush and replace the engine coolant / anti-freeze.					X
Clean and lubricate soft top zippers (if equipped).	X	X	X	X	X

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	
Inspect the engine air filter element, replace if necessary.					X
Inspect the brake linings.				X	
Inspect the transfer case fluid, add if necessary.					X
Drain and refill the front and rear axle fluid.					X
Inspect the drive belt, and replace as needed. Not required if belt was previously replaced.					X
Clean and lubricate soft top zippers (if equipped).	X	X	X	X	X

426 SCHEDULE "B"

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
Inspect the engine air filter element, replace if necessary.					X
Inspect the PCV Valve, and replace if necessary. ◇					X
Inspect the brake linings.			X		
Drain and refill the front and rear axle fluid.					X
Inspect the drive belt, and replace as needed. Not required if belt was previously replaced.					X
Inspect the manual transmission fluid, add as necessary.					X
Inspect the transfer case fluid, add if necessary.					X
Clean and lubricate soft top zippers (if equipped).	X	X	X	X	X

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	
Inspect the engine air filter element, replace if necessary.					X
Replace the spark plugs.			X		
Replace the ignition cables.			X		
Inspect the brake linings.		X			
Change the brake fluid. If vehicle is used for trailer towing.		X			
Drain and refill the front and rear axle fluid.					X
Inspect the transfer case fluid, add if necessary.					X
Inspect the drive belt, and replace as needed. Not required if belt was previously replaced.					X
Flush and replace the engine coolant/ anti-freeze, if not done at 60,000 miles (100 000 km).				X	
Clean and lubricate soft top zippers (if equipped).	X	X	X	X	X

428 SCHEDULE "B"

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
Inspect the engine air filter element, replace if necessary.					X
Inspect the PCV Valve, and replace if necessary. ◇					X
Inspect the brake linings.	X				X
Drain and refill the front and rear axle fluid.					X
Inspect the manual transmission fluid, add as necessary.					X
Drain and refill the automatic transmission fluid. Replace main sump filter and spin-on cooler return filter (if equipped).‡					X
Inspect the drive belt, and replace as needed. Not required if belt was previously replaced.					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
Clean and lubricate soft top zippers (if equipped).	X	X	X	X	X

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	
Inspect the engine air filter element, replace if necessary.					X
Inspect the brake linings.				X	
Drain and refill the front and rear axle fluid.					X
Inspect the transfer case fluid, add if necessary.					X
Inspect the drive belt, and replace as needed. Not required if belt was previously replaced.					X
Clean and lubricate soft top zippers (if equipped).	X	X	X	X	X

430 SCHEDULE "B"

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	
Inspect the engine air filter element, replace if necessary.					X
Inspect the PCV Valve, and replace if necessary. ◇					X
Inspect the brake linings.			X		
Change the brake fluid. If vehicle is used for trailer towing.			X		
Drain and refill the front and rear axle fluid.					X
Inspect the manual transmission fluid, add as necessary.					X
Inspect the transfer case fluid, add if necessary.					X
Inspect the drive belt, and replace as needed. Not required if belt was previously replaced.					X
Flush and replace the engine coolant/ anti-freeze, if not done at 120,000 miles (200 000 km).					X
Clean and lubricate soft top zippers (if equipped).	X	X	X	X	X

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

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

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

‡Off-highway operation, trailer towing, taxi, limousine, bus, snow plowing, or other types of commercial service or prolonged operation with heavy loading, especially in hot weather, require front and rear axle service indicated with a ‡ in Schedule "B". Perform these services if the vehicle is usually operated under these conditions.

432 SCHEDULE "A"

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
Inspect the engine air filter element, and replace if necessary.					X
Inspect the brake linings.			X		
Inspect the manual transmission fluid, add as necessary.					X
Inspect the transfer case fluid, add as necessary.					X
Clean and lubricate soft top zippers (if equipped).	X	X	X	X	X

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
Inspect the brake linings.	X			X
Clean and lubricate soft top zippers (if equipped).	X	X	X	X

434 SCHEDULE "A"

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
Inspect the engine air filter element, and replace if necessary.	X			
Inspect the PCV Valve, and replace if necessary. ◇	X			
Inspect the brake linings.			X	
Inspect the drive belt, and replace as needed.	X			
Inspect the drive belt, and replace as needed. Not required if belt was previously replaced.			X	
Flush and replace the engine coolant/anti-freeze. Where both time and mileage are indicated, follow the interval which occurs first.	X			
Inspect the manual transmission fluid, add as necessary.	X			
Inspect transfer case fluid, add as necessary.	X			
Clean and lubricate soft top zippers (if equipped).	X	X	X	X

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
Inspect the engine air filter element, and replace if necessary.		X		
Inspect the PCV Valve, and replace if necessary. ◇		X		
Replace the spark plugs.			X	
Replace the ignition cables.			X	
Inspect the brake linings.		X		
Inspect the drive belt, and replace as needed. Not required if previously replaced.		X		X
Flush and replace the engine coolant/anti-freeze if not done at 60 months.				X
Inspect the manual transmission fluid, add as necessary.		X		
Inspect the transfer case fluid, add as necessary.		X		
Clean and lubricate soft top zippers (if equipped).	X	X	X	X

436 SCHEDULE "A"

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
Inspect the engine air filter element, and replace if necessary.			X	
Inspect the PCV Valve, and replace if necessary. ◇			X	
Inspect the brake linings.	X			
Inspect the drive belt, and replace as needed. Not required if previously replaced.			X	
Inspect the manual transmission fluid, add as necessary.			X	
Drain and refill the transfer case fluid.			X	
Flush and replace the engine coolant / anti-freeze, if not done at 102,000 miles (170 000 km).			X	
Clean and lubricate soft top zippers (if equipped).	X	X	X	X

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
Inspect the engine air filter element, and replace if necessary.				X
Inspect the PCV Valve, and replace if necessary. ◇				X
Inspect the brake linings.	X			
Inspect the drive belt, and replace as needed. Not required if previously replaced.		X		X
Inspect the manual transmission fluid, add as necessary.				X
Inspect the transfer case fluid, add as necessary.				X
Flush and replace the engine coolant/anti-freeze, if not done at 120,000 miles (200 000 km).				X
Clean and lubricate soft top zippers (if equipped).	X	X	X	X

438 SCHEDULE "A"

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.