

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 — GASOLINE 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.

- 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 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.

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.

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- 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 engine coolant/anti-freeze 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" — Gasoline 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.
- 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 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.

370 SCHEDULE "B" — GASOLINE ENGINES

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

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
Replace the spark plugs.					X
Inspect and replace the PCV valve, if necessary. ◇					X
Inspect the brake linings.			X		
Inspect the manual transmission fluid, add as necessary.					X
Drain and refill the front and rear axle fluid ‡					X
Inspect the transfer case fluid, add if necessary.					X

372 SCHEDULE "B" — GASOLINE ENGINES

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 drive belt and replace as needed.					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
Replace the spark plugs.					X
Inspect and replace the PCV valve, 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.					X

374 SCHEDULE "B" — GASOLINE ENGINES

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	
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

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
Replace the spark plugs.					X
Inspect and replace the PCV valve, if necessary. ◇					X
Inspect the brake linings.			X		
Inspect the manual transmission fluid, add as 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
Inspect the transfer case fluid, add if necessary.					X

376 SCHEDULE "B" — GASOLINE ENGINES

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
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
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
Inspect the engine air filter element, replace if necessary.					X
Replace the spark plugs.					X
Inspect and replace the PCV valve, 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

378 SCHEDULE "B" — GASOLINE ENGINES

Miles (Kilometers)	108,000 (180 000)	111,000 (185 000)	114,000 (190 000)	117,000 (195 000)	120,000 (200 000)
Drain and refill the transfer case fluid.					X
Flush and replace the engine coolant/anti-freeze at 120 months, if not replaced at 102,000 miles (170 000 km).					X

Inspection and service should 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 it 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.

Schedule "A" — Gasoline Engines

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
Replace the spark plugs.					X
Inspect the manual transmission fluid, add as necessary.					X
Inspect the brake linings.			X		
Inspect the transfer case fluid.					X

380 SCHEDULE "A" — GASOLINE ENGINES

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

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			
Replace the spark plugs.	X			
Inspect and replace the PCV valve, if necessary. ◇	X			
Inspect the brake linings.			X	
Inspect the drive belt and replace, if needed.	X			
Inspect the drive belt and replace as needed. Not required if previously replaced.			X	
Flush and replace the engine coolant/anti-freeze.	X			
Inspect the manual transmission fluid, add as necessary.	X			
Inspect the transfer case fluid.	X			

382 SCHEDULE "A" — GASOLINE ENGINES

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		
Replace the spark plugs.		X		
Inspect and replace the PCV valve, if necessary. ◇		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.		X		

Miles (Kilometers) [Months]	108,000 (180 000) [108]	114,000 (190 000) [114]	120,000 (200 000) [120]
Change the engine oil and engine oil filter.	X	X	X
Rotate the tires.	X	X	X
Inspect the engine air filter element, and replace if necessary.			X
Replace the spark plugs.			X
Inspect and replace the PCV valve, if necessary. ◇			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 102,000 miles (170 000 km).			X
Inspect the manual transmission fluid, add as necessary.			X
Drain and refill the transfer case fluid.			X

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

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

384 SCHEDULE "A" — GASOLINE ENGINES

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.
- 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."

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.

Tire Rotation

- Rotate the tires every 6,250 miles (10 000 km).

386 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.
- Heavy loading.
- 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
Inspect the engine air filter element. Replace as necessary.	X		X		X
Replace the engine air filter element.		X		X	
Inspect the boost pressure solenoid filter. Replace as necessary.	X	X	X	X	X
Replace the fuel filter/water separator unit.				X	
Inspect the brake linings.		X		X	
Drain and refill the front and rear axle fluid.		X		X	

388 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
Inspect the engine air filter element. Replace as necessary.		X		X	
Replace the engine air filter element.	X		X		X
Inspect the boost pressure solenoid filter. Replace as necessary.	X	X		X	X
Replace the boost pressure solenoid filter, if not previously replaced.			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 axle fluid.	X		X		X
Drain and refill the transfer case fluid.					X
Inspect the manual transmission fluid, add as necessary.					X
Drain and refill the automatic transmission fluid, replace sump filter, and spin-on cooler return filter (if equipped). ◇					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
Inspect the engine air filter element. Replace as necessary.	X		X		X	
Replace the engine air filter element.		X		X		X
Inspect the boost pressure solenoid filter. Replace as necessary.	X	X	X	X	X	
Replace the boost pressure solenoid filter, if not previously replaced.						X
Replace the engine accessory drive belt.*		X				
Replace the engine timing belt and idler pulleys.						X
Inspect the engine timing belt tensioner, replace if necessary.†						X
Replace the fuel filter/water separator unit.		X				X
Flush and replace the engine coolant/anti-freeze.						X

390 SCHEDULE "B" — DIESEL ENGINES

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)
Inspect the brake linings.		X		X		
Drain and refill the front and rear axle fluid.		X		X		

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

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

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

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

Schedule "A" — Diesel Engines

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
Inspect the engine air filter element. Replace as necessary.	X		X	
Replace the engine air filter element.		X		X
Inspect the boost pressure solenoid filter. Replace as necessary.	X	X	X	
Replace the boost pressure solenoid filter, if not previously replaced.				X
Replace the fuel filter/water separator unit.		X		X
Inspect the brake linings.		X		X
Inspect the manual transmission fluid, add as necessary.	X			
Inspect the transfer case fluid.	X			

392 SCHEDULE "A" — DIESEL ENGINES

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
Inspect the engine air filter element. Replace as necessary.	X		X	
Replace the engine air filter element.		X		X
Inspect the boost pressure solenoid filter. Replace as necessary.	X	X	X	
Replace the boost pressure solenoid filter, if not previously replaced.				X
Replace the fuel filter/water separator unit.		X		X
Replace the engine timing belt, and idler pulleys.				X
Inspect the engine timing belt tensioner, replace if necessary.†				X
Flush and replace the engine coolant/anti-freeze.	X			
Replace the engine accessory drive belt.	X			
Inspect the brake linings.		X		X
Inspect the transmission fluid, add as necessary.	X			
Inspect the transfer case fluid.	X			

† The replacement of such component is requested if 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.