MAINTENANCE SCHEDULES

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EMISSIONS CONTROL SYSTEM MAINTENANCE

The Scheduled Maintenance services listed in **bold type** must be done at the times or mileages specified to ensure 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 should also be done any time a malfunction is suspected.

NOTE: Maintenance, replacement, or repair of the emissions control devices and systems on your vehicle may be performed by any automotive repair establishment or individual using any automotive part that has been certified pursuant to U.S. EPA or, in the State of California, California Air Resources Board regulations.

MAINTENANCE SCHEDULE

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

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

- Day and 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 (32° C).
- Trailer towing.†◇

- 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—All Engines" of the "Maintenance Schedules" section of this manual.

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

NOTE: Most vehicles are operated under the conditions listed for Schedule "B"—ALL ENGINES.

Second is Schedule **"A"—NON TURBO**. It is for vehicles that are not operated under any of the conditions listed under Schedule "B"—ALL ENGINES.

Third is Schedule **"A"—TURBO**. It is for vehicles that are not operated under any of the conditions listed under Schedule "B"—ALL ENGINES.

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 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 and transaxle and add as needed.
- Check all lights and all other electrical items for correct operation.
- Check rubber seals on each side of the radiator for proper fit.

At Each Oil Change

- Change the engine oil filter.
- Inspect the exhaust system.
- Inspect the brake hoses.
- Inspect the CV joints and front suspension components.
- Check the automatic transaxle fluid level.
- Check the manual transaxle fluid level and fill plug condition.
- Check the coolant level, hoses, and clamps.

SCHEDULE "B"—ALL ENGINES

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

Change the automatic transmission fluid and filter every 60,000 miles (100 000 km) if the vehicle is usually operated under one or more of the conditions marked with an ◊.

Change the manual transaxle fluid every 48,000 miles (80 000 km) if the vehicle is usually operated under one or more of the conditions marked with an †.

- Day and 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 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—All Engines" of the "Maintenance Schedules" section of this manual.

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

If none of these apply to you, and your vehicle is equipped with a Non–Turbo Charged Engine then change your engine oil at every interval shown on schedule “A”—NON TURBO in the maintenance schedule section of this manual.

If none of these apply to you, and your vehicle is equipped with a Turbo Charged Engine change your engine oil at every interval shown on schedule “A”—TURBO in the maintenance schedule section of this manual.

Miles (Kilometers)	**3,000 (5 000)**	**6,000 (10 000)**	**9,000 (15 000)**	**12,000 (20 000)**	**15,000 (25 000)**	**18,000 (30 000)**
Change engine oil and engine oil filter, if not replaced at 3 months.	X	X	X	X	X	X
Rotate tires.		X		X		X
Inspect the brake linings.				X		
Inspect the **engine air cleaner filter,** replace as necessary.*					X	
Inspect the **Make-up air filter,** replace as necessary.					X	

Miles (Kilometers)	**21,000 (35 000)**	**24,000 (40 000)**	**27,000 (45 000)**	**30,000 (50 000)**	**33,000 (55 000)**	**36,000 (60 000)**
Change engine oil and engine oil filter, if not replaced at 3 months.	X	X	X	X	X	X
Rotate tires.		X		X		X
Inspect the brake linings.		X				X
Replace the **engine air cleaner filter.**				X		
Replace the **spark plugs.**				X		
Inspect the tie rod ends and boot seals.				X		
Inspect the **PCV valve** and replace as necessary.*				X		
Replace the **Make-up air filter.**				X		
Adjust the generator drive belt tension.				X		

Miles (Kilometers)	**39,000 (65 000)**	**42,000 (70 000)**	**45,000 (75 000)**	**48,000 (80 000)**	**51,000 (85 000)**	**54,000 (90 000)**
Change engine oil and engine oil filter, if not replaced at 3 months.	X	X	X	X	X	X
Rotate tires.		X		X		X
Inspect the brake linings.				X		
Change the brake fluid. If vehicle is used for trailer towing.				X		
Inspect the **engine air cleaner filter,** replace as necessary.*			X			
Change the manual transaxle fluid.†				X		
Inspect the **Make-up air filter.** Replace as necessary.			X			

Miles (Kilometers)	**57,000 (95 000)**	**60,000 (100 000)**	**63,000 (105 000)**	**66,000 (110 000)**	**69,000 (115 000)**	**72,000 (120 000)**
Change engine oil and engine oil filter, if not replaced at 3 months.	X	X	X	X	X	X
Rotate tires.		X		X		X
Inspect the brake linings.		X				X
Replace the **engine air cleaner filter.**		X				
Replace the **spark plugs and ignition cables.**		X				
Inspect the tie rod ends and boot seals.		X				
Inspect the **PCV valve** and replace if necessary. Not required if previously changed. * ‡		X				
Replace the **Make-up air filter.**		X				
Adjust the generator drive belt tension.		X				
Change the automatic transaxle fluid and filter. ◊		X				
Flush and replace engine coolant at 60 months, if not done at 102,000 miles.		X				

Miles (Kilometers)	**75,000 (125 000)**	**78,000 (130 000)**	**81,000 (135 000)**	**84,000 (140 000)**	**87,000 (145 000)**	**90,000 (150 000)**
Change engine oil and engine oil filter, if not replaced at 3 months.	X	X	X	X	X	X
Rotate tires.		X		X		X
Inspect the brake linings.				X		
Inspect the **engine air cleaner filter** and replace as necessary.*	X					
Replace the **engine air cleaner filter.**						X
Replace the **spark plugs.**						X
Inspect the tie rod ends and boot seals.						X
Inspect the **PCV valve** and replace if necessary. Not required if previously changed. * ‡						X
Inspect the **Make-up air filter,** replace as necessary.	X					
Adjust the generator drive belt tension.						X
Replace the **Make-up air filter.**						X

Miles (Kilometers)	**93,000 (155 000)**	**96,000 (160 000)**	**99,000 (165 000)**	**102,000 (170 000)**	**105,000 (175 000)**
Change engine oil and engine oil filter, if not replaced at 3 months.	X	X	X	X	X
Rotate tires.		X		X	
Inspect the brake linings.		X			
Change the brake fluid. If vehicle is used for trailer towing.		X			
Inspect the **engine air cleaner filter** and replace as necessary.*					X
Change the manual transaxle fluid.†		X			
Replace the **engine timing belt.** *				X	
Flush and replace the engine coolant, if not replaced at 60 months.				X	
Inspect the **Make-up air filter,** replace as necessary.					X

Miles (Kilometers)	**108,000 (180 000)**	**111,000 (185 000)**	**114,000 (190 000)**	**117,000 (195 000)**	**120,000 (200 000)**
Change engine oil and engine oil filter, if not replaced at 3 months.	X	X	X	X	X
Rotate tires.	X		X		X
Inspect the brake linings.			X		
Replace the **engine air cleaner filter.** *					X
Inspect the tie rod ends and boot seals.					X
Replace the **Make-up air filter.**					X
Adjust the generator drive belt tension.					X
Change automatic transaxle fluid and filter. ◊					X
Inspect the **PCV valve and replace if necessary.** *‡					X
Flush and replace the engine coolant at 120 months, if not replaced at 102,000 miles.					X
Replace the **spark plugs and ignition cables.**					X

Miles (Kilometers)	**123,000 (205 000)**	**126,000 (210 000)**	**129,000 (215 000)**	**132,000 (220 000)**	**135,000 (225 000)**
Change engine oil and engine oil filter, if not replaced at 3 months.	X	X	X	X	X
Rotate tires.	X		X		X
Inspect the brake linings.			X		
Inspect the **engine air cleaner filter** and replace as necessary.*					X

Miles (Kilometers)	**138,000 (230 000)**	**141,000 (235 000)**	**144,000 (240 000)**	**147,000 (245 000)**	**150,000 (250 000)**
Change engine oil and engine oil filter, if not replaced at 3 months.	X	X	X	X	X
Rotate tires.	X		X		X
Inspect the brake linings.				X	
Replace the **engine air cleaner filter.** *					X
Replace the spark plugs.					X
Change the manual transaxle fluid.†			X		
Replace the **Make-up air filter.**					X
Inspect the **PCV valve and replace if necessary.** *‡					X

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

‡ This maintenance is not required if previously replaced.

† This maintenance is required only for police, taxi, limousine type operation, or trailer towing.

◊ This maintenance is required only for police, taxi, limousine type operation, or trailer towing.

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

SCHEDULE “A”—NON TURBO

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]**	**36,000 (60 000) [36]**
Change engine oil and engine oil filter.	X	X	X	X	X	X
Rotate tires.	X	X	X	X	X	X
Inspect the brake linings.			X			X
Replace the **engine air cleaner filter.**					X	
Replace the **spark plugs.**					X	
Inspect the tie rod ends and boot seals.					X	
Replace the **Make-up air filter.**					X	
Adjust the generator drive belt tension					X	

Miles (Kilometers) [Months]	**42,000 (70 000) [42]**	**48,000 (80 000) [48]**	**54,000 (90 000) [54]**	**60,000 (100 000) [60]**	**66,000 (110 000) [66]**
Change engine oil and engine oil filter.	X	X	X	X	X
Rotate tires.	X	X	X	X	X
Inspect the brake linings.			X		
Replace the **engine air cleaner filter.**				X	
Replace the **spark plugs and ignition cables.**				X	
Inspect the tie rod ends and boot seals.				X	
Inspect the **PCV valve** and replace, if necessary.*				X	
Flush and replace the engine coolant at 60 months, if not done at 102,000 miles.				X	
Replace the **Make-up air filter.**				X	
Adjust the generator drive belt tension.				X	

450 SCHEDULE "A"—NON TURBO

Miles (Kilometers) [Months]	**72,000 (120 000) [72]**	**78,000 (130 000) [78]**	**84,000 (140 000) [84]**	**90,000 (150 000) [90]**	**96,000 (160 000) [96]**	**102,000 (170 000) [102]**
Change engine oil and engine oil filter.	X	X	X	X	X	X
Rotate tires.	X	X	X	X	X	X
Inspect the brake linings.	X			X		
Replace the **engine air cleaner filter.**				X		
Replace the **spark plugs.**				X		
Replace the **engine timing belt.** *						X
Inspect the tie rod ends and boot seals.				X		
Inspect the **PCV valve** and replace if necessary. Not required if previously changed. * ‡				X		
Replace the **Make-up air filter.**				X		
Adjust the generator drive belt tension.				X		
Flush and replace the engine coolant, if not replaced at 60 months.						X

Miles (Kilometers) [Months]	**108,000 (180 000) [108]**	**114,000 (190 000) [114]**	**120,000 (200 000) [120]**	**126,000 (210 000) [126]**	**132,000 (220 000) [132]**	**138,000 (230 000) [138]**
Change engine oil and engine oil filter.	X	X	X	X	X	X
Rotate tires.	X	X	X	X	X	X
Inspect the **PCV valve** and replace if necessary. * ‡			X			
Replace the **air cleaner filter.**			X			
Flush and replace the engine coolant at 120 months, if not done at 102,000 miles.			X			
Replace the **spark plugs and ignition cables.**			X			
Replace the **Make-up air filter.**			X			

Miles **(Kilometers)** **[Months]**	**144,000** **(240 000)** **[144]**	**150,000** **(250 000)** **[150]**
Change engine oil and engine oil filter.	X	X
Rotate tires.	X	X
Inspect the **PCV valve** and replace if necessary. * ‡		X
Replace the **air cleaner filter.**		X

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

‡ This maintenance is not required if previously replaced.

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

SCHEDULE “A”—TURBO

Miles (Kilometers) [Months]	**5,000 (8 000) [6]**	**10,000 (16 000) [12]**	**15,000 (24 000) [18]**	**20,000 (32 000) [24]**	**25,000 (40 000) [30]**	**30,000 (48 000) [36]**
Change engine oil and engine oil filter.	X	X	X	X	X	X
Rotate tires.	X	X	X	X	X	X
Inspect the brake linings.				X		
Replace the **engine air cleaner filter.**						X
Replace the **spark plugs.**						X
Inspect the tie rod ends and boot seals.						X
Replace the **Make-up air filter.**						X
Adjust the generator drive belt tension.						X

Miles **(Kilometers)** **[Months]**	**35,000** **(56 000)** **[42]**	**40,000** **(64 000)** **[48]**	**45,000** **(72 000)** **[54]**	**50,000** **(80 000)** **[60]**	**55,000** **(88 000)** **[66]**
Change engine oil and engine oil filter.	X	X	X	X	X
Rotate tires.	X	X	X	X	X
Inspect the brake linings.		X			
Flush and replace engine coolant at 60 months, if not replaced at 100,000 miles.				X	

Miles (Kilometers) [Months]	**60,000 (96 000) [72]**	**65,000 (104 000) [78]**	**70,000 (112 000) [84]**	**75,000 (120 000) [90]**	**80,000 (128 000) [96]**	**85,000 (136 000) [102]**
Change engine oil and engine oil filter.	X	X	X	X	X	X
Rotate tires.	X	X	X	X	X	X
Inspect the brake linings.	X				X	
Replace the **engine air cleaner filter.**	X					
Replace the **spark plugs and ignition cables.**	X					
Inspect the tie rod ends and boot seals.	X					
Inspect the **PCV valve** and replace if necessary. Not required if previously changed. * ‡	X					
Replace the **Make-up air filter.**	X					
Adjust the generator drive belt tension.	X					

Miles (Kilometers) [Months]	**90,000 (144 000) [108]**	**95,000 (156 000) [114]**	**100,000 (160 000) [120]**	**105,000 (168 000) [126]**
Change engine oil and engine oil filter.	X	X	X	X
Rotate tires.	X	X	X	X
Inspect the brake linings.			X	
Replace the **engine air cleaner filter.**	X			
Replace the **spark plugs.**	X			
Adjust the generator drive belt tension.	X			
Inspect the tie rod ends and boot seals.	X			
Inspect the **PCV valve** and replace if necessary. Not required if previously changed. * ‡	X			
Flush and replace the engine coolant if not done at 60 months.			X	
Replace the **Make-up air filter.**	X			
Replace the **engine timing belt.**			X	

Miles **(Kilometers)** **[Month]**	**110,000** **(177 000)** **[132]**	**115,000** **(185 000)** **[138]**	**120,000** **(193 000)** **[144]**
Change engine oil and engine oil filter.	X	X	X
Rotate tires.	X	X	X
Inspect the **PCV Valve** and replace if necessary. *			X
Replace the **engine air cleaner filter.**			X
Replace the **spark plugs and ignition cables.**			X

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

‡ This maintenance is not required if previously replaced.

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

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.