

MAINTENANCE SCHEDULES

CONTENTS

■ Emission Control System Maintenance	494	■ Maintenance Schedules — 6.7L Turbo Diesel	511
■ Maintenance Schedules — 5.9L Turbo Diesel	494	□ Oil Change Indicator System	512
□ Schedule “B”	497	□ Perform Service Indicator	513
□ Schedule “A”	506	□ Maintenance Schedule	514

494 MAINTENANCE SCHEDULES

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 — 5.9L TURBO DIESEL

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 one or more of the following conditions that are listed below and at the beginning of the schedule.

- Frequent short trips where the engine does not achieve full operating temperature (operating temperature defined as 190° F (66° C) coolant temperature).
- Extensive engine idling (over 10 minutes per hour of operation) at ambient temperatures less than 32° F (0° C).
- Driving in dusty conditions.
- Frequent trailer towing.
- Taxi, police, or delivery service (commercial service).

- Off-road or desert operation.
- Extensive operation at high engine speeds (greater than 2900 rpm) and loads (greater than 70% throttle).

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

NOTE: If **ANY** of these apply to you then change your coolant every 100,000 miles (160 000 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 15 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. When refilling the washer fluid reservoir, take some washer fluid and apply it to a cloth or towel and wipe clean the wiper blades, this will help blade performance.

496 MAINTENANCE SCHEDULES

Once a Month

- Check tire pressure and look for unusual wear or damage.
- Inspect the batteries and clean and tighten the terminals as required.
- Check the fluid levels of coolant reservoir, brake master cylinder, and transmission and transfer case (if equipped), add as needed.
- **Check Filter Minder™. Replace air cleaner filter element if necessary.**
- Check all lights and all other electrical items for correct operation.
- Drain water from the fuel filter.

At Each Oil Change

- Change the engine oil filter.
- Inspect the exhaust system.
- Inspect the brake hoses.
- Inspect the U-Joints (if equipped) and front suspension components.
- Check the automatic transmission fluid level.
- Check the manual transmission fluid level.
- Check the coolant level, hoses, and clamps.
- Lubricate outer tie rod ends.
- Lubricate Front Drive Shaft Fitting

Schedule "B"

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

- Frequent short trips where the engine does not achieve full operating temperature (operating temperature defined as 190° F (66° C) coolant temperature).
- Extensive engine idling (over 10 minutes per hour of operation) at ambient temperatures less than 32° F (0° C).
- Driving in dusty conditions.

- Frequent trailer towing.
- Taxi, police, or delivery service (commercial service).
- Off-road or desert operation.
- Extensive operation at high engine speeds (greater than 2900 rpm) and loads (greater than 70% throttle).

NOTE: If **ANY** of these apply to you then change your coolant every 100,000 miles (160 000 km) or 60 months, whichever comes first and follow schedule "B" of the "Maintenance Schedules" section of this manual.

498 SCHEDULE "B"

Miles (Kilometers)	7,500 (12 000)	15,000 (24 000)	22,500 (36 000)	30,000 (48 000)	37,500 (60 000)
Change engine oil and engine oil filter.	X	X	X	X	X
Lubricate Front Drive Shaft Fitting (2500/3500, 4X4).	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 outer tie rod ends 2500/3500 (4X4) models.	X	X	X	X	X
Check transfer case fluid level (4X4).				X	
Change front axle fluid (4x4)		X		X	
Change rear axle fluid.		X		X	
Replace fuel filter element.		X		X	
Inspect drive belts, replace as necessary.			X		
Inspect brake linings.		X		X	
Inspect and adjust parking brake if necessary.		X		X	

Miles (Kilometers)	7,500 (12 000)	15,000 (24 000)	22,500 (36 000)	30,000 (48 000)	37,500 (60 000)
Inspect front wheel bearings.				X	
Drain and refill automatic transmission fluid. Replace filter and adjust bands (48RE only)				X	

500 SCHEDULE "B"

Miles (Kilometers)	45,000 (72 000)	52,500 (84 000)	60,000 (96 000)	67,500 (108 000)	75,000 (120 000)
Change engine oil and engine oil filter.	X	X	X	X	X
Lubricate Front Drive Shaft Fitting (2500/3500, 4X4).	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 outer tie rod ends 2500/3500 (4X4) models.	X	X	X	X	X
Drain and refill transfer case fluid (4X4)			X		
Change front axle fluid (4x4)	X		X		X
Change rear axle fluid.	X		X		X
Flush and replace engine coolant at 60 months, if not replaced at 100,000 miles (160 000 km).					X
Inspect drive belts, replace as necessary.	X			X	
Inspect brake linings.	X		X		X

Miles (Kilometers)	45,000 (72 000)	52,500 (84 000)	60,000 (96 000)	67,500 (108 000)	75,000 (120 000)
Inspect and adjust parking brake if necessary.	X		X		X
Inspect front wheel bearings.			X		
Replace fuel filter element.	X		X		X
Change 6 — speed manual transmission (G-56) fluid.			X		
Drain and refill automatic transmission fluid. Replace filter and adjust bands (48RE only)			X		

502 SCHEDULE "B"

Miles (Kilometers)	82,500 (132 000)	90,000 (144 000)	97,500 (156 000)	100,000 (160 000)	105,000 (168 000)
Change engine oil and engine oil filter.	X	X	X		X
Lubricate Front Drive Shaft Fitting (2500/3500, 4X4).	X	X	X		X
Rotate tires.	X	X	X		X
Check spare tire for proper pressure and correct stowage.	X	X	X		X
Lubricate outer tie rod ends 2500/3500 (4X4) models.	X	X	X		X
Flush and replace engine coolant, if not replaced at 60 mos.				X	
Check transfer case fluid level (4X4).		X			
Change front axle fluid (4x4).		X			X
Change rear axle fluid.		X			X
Inspect drive belt, replace as required.		X			
Replace fuel filter element.		X			X

Miles (Kilometers)	82,500 (132 000)	90,000 (144 000)	97,500 (156 000)	100,000 (160 000)	105,000 (168 000)
Inspect front wheel bearings.		X			
Inspect brake linings.		X			X
Inspect and adjust parking brake if necessary.		X			X
Drain and refill automatic transmission fluid. Replace filter and adjust bands (48 RE only).		X			

504 SCHEDULE "B"

Miles (Kilometers)	112,500 (181 000)	120,000 (193 000)	127,500 (205 000)	135,000 (217 000)	142,500 (229 000)	150,000 (241 000)
Change engine oil and engine oil filter.	X	X	X	X	X	X
Lubricate Front Drive Shaft Fitting (2500/ 3500, 4X4).	X	X	X	X	X	X
Rotate tires.	X	X	X	X	X	X
Check spare tire for proper pressure and cor- rect stowage.	X	X	X	X	X	X
Lubricate outer tie rod ends 2500/3500 (4X4) models.	X	X	X	X	X	X
Flush and replace engine coolant at 120 months, if not replaced at 100,000 miles (160 000 km).						X
Clean engine air filter assembly.						X
Inspect drive belt, replace as required.	X			X		
Change front axle fluid (4x4).		X		X		X
Change rear axle fluid.		X		X		X

Miles (Kilometers)	112,500 (181 000)	120,000 (193 000)	127,500 (205 000)	135,000 (217 000)	142,500 (229 000)	150,000 (241 000)
Drain and refill transfer case fluid (4X4).		X				
Check transfer case fluid level (4X4).						X
Replace fuel filter element.		X		X		X
Inspect front wheel bearings.		X				X
Inspect brake linings.		X		X		X
Inspect and adjust parking brake if necessary.		X		X		X
Adjust valve lash clearance.						X
Change 6 — speed manual transmission (G-56) fluid.		X				
Drain and refill automatic transmission fluid. Replace filter and adjust bands (48RE only)		X				

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

506 SCHEDULE "A"

Schedule "A"

Miles (Kilometers) [Months]	7,500 (12 000) [6]	15,000 (24 000) [12]	22,500 (36 000) [18]	30,000 (48 000) [24]	37,500 (60 000) [30]
Change engine oil and engine oil filter.		X		X	
Lubricate Front Drive Shaft Fitting (2500/3500, 4X4).	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 outer tie rod ends 2500/3500 (4X4) models.	X	X	X	X	X
Check transfer case fluid level (4X4).				X	
Replace fuel filter element.		X		X	
Inspect drive belts, replace as necessary.			X		
Inspect brake linings.			X		
Inspect and adjust parking brake if necessary.			X		
Inspect front wheel bearings.				X	

Miles (Kilometers) [Months]	45,000 (72 000) [36]	52,500 (84 000) [42]	60,000 (96 000) [48]	67,500 (108 000) [54]	75,000 (120 000) [60]
Change engine oil and engine oil filter.	X		X		X
Lubricate Front Drive Shaft Fitting (2500/3500, 4X4).	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 outer tie rod ends 2500/3500 (4X4) models.	X	X	X	X	X
Check transfer case fluid level.			X		
Flush and replace engine coolant at 60 months, if not replaced at 100,000 miles (160 000 km).					X
Inspect drive belts, replace as necessary.	X			X	
Replace fuel filter element.	X		X		X
Inspect brake linings.	X			X	
Inspect and adjust parking brake if necessary.	X			X	
Inspect front wheel bearings.			X		

508 SCHEDULE "A"

Miles (Kilometers) [Months]	82,500 (132 000) [66]	90,000 (144 000) [72]	97,500 (156 000) [78]	100,000 (160 000)	105,000 (168 000) [84]
Change engine oil and engine oil filter.		X			X
Lubricate Front Drive Shaft Fitting (2500/3500, 4X4).	X	X	X		X
Rotate tires.	X	X	X		X
Check spare tire for proper pressure and correct stowage.	X	X	X		X
Lubricate outer tie rod ends 2500/3500 (4X4) models.	X	X	X		X
Flush and replace engine coolant, if not replaced at 60 mos.				X	
Check transfer case fluid level (4X4).		X			
Inspect drive belt, replace as required.		X			
Replace fuel filter element.		X			X
Inspect front wheel bearings.		X			
Inspect brake linings.		X			
Inspect and adjust parking brake if necessary.		X			
Drain and refill automatic transmission fluid. Replace filter and adjust bands (48 RE only).				X	

Miles (Kilometers) [Months]	112,500 (181 000) [90]	120,000 (193 000) [96]	127,500 (205 000) [102]	135,000 (217 000) [108]	142,500 (229 000) [114]	150,000 (241 000) [120]
Change engine oil and engine oil filter.		X		X		X
Lubricate Front Drive Shaft Fitting (2500/ 3500, 4X4).	X	X	X	X	X	X
Rotate tires.	X	X	X	X	X	X
Check spare tire for proper pressure and cor- rect stowage.	X	X	X	X	X	X
Lubricate outer tie rod ends 2500/3500 (4X4) models.	X	X	X	X	X	X
Flush and replace engine coolant at 120 months, if not replaced at 100,000 miles (160 000 km).						X
Inspect drive belt, replace as required.	X			X		
Drain and refill transfer case fluid (4X4).		X				
Check transfer case fluid level (4X4).						X
Replace fuel filter element.		X		X		X

510 SCHEDULE "A"

Miles (Kilometers) [Months]	112,500 (181 000) [90]	120,000 (193 000) [96]	127,500 (205 000) [102]	135,000 (217 000) [108]	142,500 (229 000) [114]	150,000 (241 000) [120]
Inspect front wheel bearings.		X			X	
Inspect brake linings.	X			X		
Inspect and adjust parking brake if necessary.	X			X		
Adjust valve lash clearance.						X

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.

MAINTENANCE SCHEDULES — 6.7L TURBO DIESEL

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 30 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. When refilling the washer fluid reservoir, take some washer fluid and apply it to a cloth or towel and wipe clean the wiper blades, this will help blade performance.

Once a Month

- Check tire pressure and look for unusual wear or damage.
- Inspect the batteries and clean and tighten the terminals as required.
- Check the fluid levels of coolant reservoir, brake master cylinder, and transmission and transfer case (if equipped), add as needed.
- **Check Filter Minder™. Replace air cleaner filter element if necessary.**
- Check all lights and all other electrical items for correct operation.
- Drain water from the fuel filter.

512 SCHEDULE "A"

At Each Oil Change

- Change the engine oil filter.
- Inspect the exhaust system.
- Inspect the brake hoses.
- Inspect the U-Joints (if equipped) and front suspension components.
- Check the automatic transmission fluid level.
- Check the manual transmission fluid level.
- Check the coolant level, hoses, and clamps.
- Lubricate outer tie rod ends (4X4) models only.
- Lubricate Front Drive Shaft Fitting (4X4).

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

Oil Change Indicator System

Your vehicle is equipped with an engine oil change indicator system. This system will alert you when it is time to change your engine oil by displaying the words "Oil Change Required" on your Electronic Vehicle Information Center (EVIC). The engine oil change indicator system is duty cycle based, which means the engine oil change interval may fluctuate depending on your personal driving style. Driving styles such as frequent stop and go type driving can increase the frequency of the engine oil change. This is the result of more frequent regeneration of the exhaust aftertreatment system, which can decrease the life of the engine oil. Failure to change the engine oil per the maintenance schedule can result in internal engine damage.

For information on resetting the Oil Change Indicator message, refer to "Oil Change Required – If Equipped," under "Personal Settings (Customer Programmable Features)," in the "Electronic Vehicle Information Center (EVIC)" Section of this manual.

Perform Service Indicator

Your vehicle will require emissions maintenance at a set interval. To help remind you when this maintenance is due, the Electronic Vehicle Information Center (EVIC)

will display "Perform Service". When the "Perform Service" message is displayed on the EVIC it is necessary to have the emissions maintenance performed. Emissions maintenance includes replacing the Closed Crankcase Ventilation (CCV) filter element, cleaning or replacement of the EGR Cooler, and cleaning or replacement of the EGR Valve. The procedure for clearing and resetting the "Perform Service" indicator message is located in the appropriate Service Information.

514 SCHEDULE "A"

Maintenance Schedule

Miles (Kilometers) [Months]	7,500 (12 000) [6]	15,000 (24 000) [12]	22,500 (36 000) [18]	30,000 (48 000) [24]	37,500 (60 000) [30]
Change engine oil and engine oil filter. (Under no circumstances should oil change intervals exceed 7,500 miles (12 000 km) or 6 months, which ever comes first).	X	X	X	X	X
Lubricate Front Drive Shaft Fitting (4X4).	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 outer tie rod ends.	X	X	X	X	X
Check transfer case fluid level (4X4).				X	
Change front and rear axle fluid (4X4).		X		X	
Replace fuel filter element.		X		X	
Inspect brake linings.			X		
Inspect and adjust parking brake if necessary.			X		

Miles (Kilometers) [Months]	7,500 (12 000) [6]	15,000 (24 000) [12]	22,500 (36 000) [18]	30,000 (48 000) [24]	37,500 (60 000) [30]
Inspect fan hub.				X	
Inspect damper.				X	
Inspect front wheel bearings.				X	
Inspect drive belt, replace as necessary.			X		

516 SCHEDULE "A"

Miles (Kilometers) [Months]	45,000 (72 000) [36]	52,500 (84 000) [42]	60,000 (97 000) [48]	67,500 (109 000) [54]	75,000 (121 000) [60]
Change engine oil and engine oil filter.	X	X	X	X	X
Lubricate Front Drive Shaft Fitting (4X4).	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 outer tie rod ends.	X	X	X	X	X
Drain and refill transfer case fluid (4X4).			X		
Change front and rear axle fluid (4X4).	X		X		X
Drain and refill automatic transmission fluid, change main sump filter and spin-on cooler filter (if equipped). If your vehicle is used for police, taxi, fleet or frequent trailer towing.			X		
Change manual transmission fluid.			X		
Flush and replace engine coolant at 60 months, if not replaced at 100,000 miles (160 000 km).					X

Miles (Kilometers) [Months]	45,000 (72 000) [36]	52,500 (84 000) [42]	60,000 (97 000) [48]	67,500 (109 000) [54]	75,000 (121 000) [60]
Inspect drive belt, replace as necessary.	X				X
Replace fuel filter element.	X		X		X
Inspect brake linings.	X			X	
Inspect and adjust parking brake if necessary.	X			X	
Inspect fan hub.			X		
Inspect damper.			X		
Inspect front wheel bearings.			X		
Replace Crankcase Ventilation Filter (CCV).			X		
Clean or replace (if necessary), EGR Valve.			X		
Clean or replace (if necessary), EGR Cooler.			X		

518 SCHEDULE "A"

Miles (Kilometers) [Months]	82,500 (133 000) [66]	90,000 (145 000) [72]	97,500 (157 000) [78]	100,000 (160 000)	105,000 (169 000) [84]
Change engine oil and engine oil filter.	X	X	X		X
Lubricate Front Drive Shaft Fitting (4X4).	X	X	X		X
Rotate tires.	X	X	X		X
Check spare tire for proper pressure and correct stowage.	X	X	X		X
Lubricate outer tie rod ends.	X	X	X		X
Flush and replace engine coolant, if not replaced at 60 mos.				X	
Check transfer case fluid level (4X4).		X			
Change front and rear axle fluid (4X4).		X			X
Inspect drive belt, replace as required.*		X			X
Inspect fan hub.		X			
Inspect damper.		X			
Replace fuel filter element.		X			X

Miles (Kilometers) [Months]	82,500 (133 000) [66]	90,000 (145 000) [72]	97,500 (157 000) [78]	100,000 (160 000)	105,000 (169 000) [84]
Inspect front wheel bearings.		X			
Inspect brake linings.		X			X
Inspect and adjust parking brake if necessary.		X			X

520 SCHEDULE "A"

Miles (Kilometers) [Months]	112,500 (181 000) [90]	120,000 (193 000) [96]	127,500 (205 000) [102]	135,000 (217 000) [108]	142,500 (229 000) [114]	150,000 (241 000) [120]
Change engine oil and engine oil filter.	X	X	X	X	X	X
Lubricate Front Drive Shaft Fitting (4X4).	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
Lubricate outer tie rod ends.	X	X	X	X	X	X
Flush and replace engine coolant at 120 months, if not replaced at 100,000 miles (161 000 km).						X
Inspect drive belt, replace as required.*		X		X		X
Drain and refill transfer case fluid (4X4).		X				
Check transfer case fluid level (4X4).						X
Change front and rear axle fluid (4X4).		X		X		X

Miles (Kilometers) [Months]	112,500 (181 000) [90]	120,000 (193 000) [96]	127,500 (205 000) [102]	135,000 (217 000) [108]	142,500 (229 000) [114]	150,000 (241 000) [120]
Drain and refill automatic transmission fluid and change main sump filter and spin-on cooler filter (if equipped).		X				X
Change manual transmission fluid.		X				
Inspect fan hub.		X			X	
Inspect damper.		X			X	
Replace fuel filter element.		X		X		X
Inspect front wheel bearings.		X			X	
Inspect brake linings.	X			X		
Inspect and adjust parking brake if necessary.	X			X		
Adjust valve lash clearance.						X
Replace Crankcase Ventilation Filter (CCV).		X				
Clean or replace (if necessary), EGR Valve.		X				
Clean or replace (if necessary), EGR Cooler.		X				

522 SCHEDULE "A"

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

*This maintenance is not required if 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 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.