

MAINTENANCE SCHEDULES - 6.7L CUMMINS TURBO DIESEL

CAUTION:

- Failure to perform the required maintenance items may result in damage to the vehicle.
- Proper operation of four-wheel drive vehicles depends on tires of equal size, type and circumference on each wheel. Any difference in tire size can cause damage to the transfer case. Tire rotation schedule should be followed to balance tire wear.
- 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.
- 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.
- 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

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.

OIL CHANGE INDICATOR - RESET

To reset the “Oil Change Required” indicator (after performing the scheduled maintenance) refer to the following procedure:

- 1. Turn the ignition switch to the ON position (Do not start engine).
- 2. Fully depress the accelerator pedal slowly three times within 10 seconds.
- 3. Turn the ignition switch to the OFF/LOCK position.

NOTE: If the indicator message illumination when you start the vehicle, the “Oil Change Required” indicator did not reset. If necessary repeat this procedure.

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.

See your local authorized dealer to have the “Perform Service” message cleared and reset.

PERFORM SERVICE INDICATOR - RESET

The “Perform Service” message will display on the EVIC each time you turn the ignition switch to the ON/RUN position to indicate a emission maintenance is required. To reset the “Perform Service” indicator system (after performing the scheduled maintenance) refer to the following procedure:

- 1. Turn the ignition switch to the ON position (Do not start engine).
- 2. Press and release the brake pedal two times.
- 3. Fully depress the accelerator pedal slowly two times within 10 seconds.
- 4. Turn the ignition switch to the OFF/LOCK position.

NOTE: If the indicator message illumination when you start the vehicle, the “Perform Service” indicator did not reset. If necessary repeat this procedure.

Miles	7,500	15,000	22,500	30,000	37,500
(Kilometers)	(12 000)	(24 000)	(36 000)	(48 000)	(60 000)
[Months]	[6]	[12]	[18]	[24]	[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

Miles (Kilometers)	7,500 (12 000)	15,000 (24 000)	22,500 (36 000)	30,000 (48 000)	37,500 (60 000)
[Months]	[6]	[12]	[18]	[24]	[30]
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 axle fluid (4X4).		X		X	
Change rear axle fluid.		X		X	
Replace fuel filter element.		X		X	
Inspect brake linings.			X		
Inspect and adjust parking brake if necessary.			X		
Inspect fan hub.				X	
Inspect damper.				X	
Inspect front wheel bearings.				X	
Inspect drive belt, replace as necessary.			X		

Miles (Kilometers)	45,000 (72 000)	52,500 (84 000)	60,000 (97 000)	67,500 (109 000)	75,000 (121 000)
[Months]	[36]	[42]	[48]	[54]	[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 axle fluid (4X4).	X		X		X
Change rear axle fluid.	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		

Miles	45,000	52,500	60,000	67,500	75,000
(Kilometers)	(72 000)	(84 000)	(97 000)	(109 000)	(121 000)
[Months]	[36]	[42]	[48]	[54]	[60]
Flush and replace engine coolant at 60 months, if not replaced at 100,000 miles (160 000 km).					X
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 EGR Valve**.				X	
Clean EGR Cooler**.				X	

Miles	82,500	90,000	97,500	100,000	105,000
(Kilometers)	(133 000)	(145 000)	(157 000)	(160 000)	(169 000)
[Months]	[66]	[72]	[78]		[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 axle fluid (4X4).		X			X
Change rear axle fluid.		X			X
Inspect drive belt, replace as required.*		X			X
Inspect fan hub.		X			
Inspect damper.		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]
Replace fuel filter element.		X			X
Inspect front wheel bearings.		X			
Inspect brake linings.		X			X
Inspect and adjust parking brake if necessary.		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]
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 axle fluid (4X4).		X		X		X
Change rear axle fluid.		X		X		X
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		

Miles	112,500	120,000	127,500	135,000	142,500	150,000
(Kilometers)	(181 000)	(193 000)	(205 000)	(217 000)	(229 000)	(241 000)
[Months]	[90]	[96]	[102]	[108]	[114]	[120]
Adjust valve lash clearance.						X
Replace Crankcase Ventilation Filter (CCV).				X		
Clean the EGR Valve.				X		
Clean the EGR Cooler.				X		

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.

**The EGR Valve and EGR Cooler maintenance will be covered by the manufacturer only at this maintenance interval, for vehicles registered in California, Maine, Massachusetts, New York and Vermont.

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.