

## Duramax Maintenance Info

The following maintenance schedule was arranged using information from GM, OEM manufacturers and personal experience. It does not represent the standard and should only be used as reference, you may choose to alter it depending on you use of the vehicle. Depending on the year of your truck and the emission system you have, some of the information given may or may not apply. I will also include a suggested list of things to carry with you in your truck for an emergency situation. You will notice that the schedule only goes up to 100,000 miles. After you reach that, refer back to the first service and start over.

### 5000 miles

Change oil and filter, lubricate suspension. Will be referred to as LOF for future

Inspect tires for correct air pressure and signs of damage. For aggressive tread patterns, it's a good idea to rotate them at this time. Highway tires can go 10,000 miles between rotations

Replace external spin on transmission filter in Allison equipped trucks.

Drain and refill rear axle lube if equipped with the G-80 Eaton differential. It is only required at this interval to remove break in material.

PMI. (preventative maintenance inspection) This includes but is not limited too a complete general inspection of lights, possible fluid leaks and overall vehicle condition. Also, inspect and top off W/W solvent, brake fluid, power steering fluid, transmission fluid, coolant, transfer case, and front and rear axles. Check and replace air filter as needed. Check serpentine drive belt for fraying or cracking. Check and adjust air pressure in tires and don't forget about the spare. Check and clean fuel cooler of debris. Inspect condition of wiper blades and replace as needed. Inspect batteries and cables for signs of leakage, tightness. Use a spray on type off sealer to help prevent corrosion buildup and keep it cleaned off using a baking soda and cola mixture or a spray style cleaner. GM feels that leaking batteries are partly caused from the posts overheating from poor contact between the cable and battery, make sure this is clean and the cable is tightened properly.

### 10,000 miles

- LOF
- Tire rotation and inspection
- PMI
- Lubricate door hinges, latches and pivots. Its also a good idea to lube the tailgate latches and hood latch.
- Replace OEM fuel filter

### 15,000 miles

- LOF
- Tire rotation and inspection
- PMI
- Inspect and replace passenger compartment filter (01 and 02 models only) as needed

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### 20,000 miles

- LOF
- Tire rotation and balance.
- PMI
- Replace OEM fuel filter
- Inspect brake pad wear and condition of rotors and pads. Just a visual is all that's needed

### 25,000 miles

- LOF
- Tire rotation
- PMI

### 30,000 miles

- LOF
- Have an oil analysis done at this time and keep a record of the results. This may help to find hidden problems that may exist
- Tire rotation and inspection
- PMI
- Drain and refill Allison transmission fluid. There is a plug in the pan which makes the job easy. Also replace the external filter at this time.
- Replace OEM fuel filter
- Inspect passenger compartment filter.
- Drain and refill transfer case fluid if equipped
- Treat all rubber weather-stripping with a silicone spray treatment. This will keep the rubber soft and prevent it from drying out and cracking. A dielectric silicone grease may also be used.
- Lube driveshaft splines at transmission.

### 35,000 miles

- LOF
- Tire rotation and inspection

### 40,000 miles

- LOF
- Replace OEM fuel filter
- Tire rotation and balance
- Inspect brake pad wear and condition of rotors and pads. Just a visual is all that's needed

### 45,000 miles

- LOF
- Inspect passenger compartment filter.
- Tire rotation and inspection

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**50,000 miles**

- LOF
- Replace OEM fuel filter
- Drain and refill radiator. Drain valve located in pass side lower radiator, access through wheel well
- Tire rotation and inspection

**55,000 miles**

- LOF
- Tire rotation and inspection

**60,000 miles**

- LOF
- Have an oil analysis done at this time and keep a record of the results. This may help to find hidden problems that may exist
- Inspect brake pad wear and condition of rotors and pads.
- Replace OEM fuel filter
- Drain and refill Allison transmission fluid
- Replace external spin on filter Allison transmission
- Inspect passenger compartment filter.
- Tire rotation and balance
- Treat all rubber weather-stripping with a silicone spray treatment. This will keep the rubber soft and prevent it from drying out and cracking.
- Drain and refill transfer case fluid
- Lube driveshaft splines at transmission. Check u-joints for tight spots or wear while driveshaft is out.

**65,000 miles**

- LOF
- Tire rotation and inspection

**70,000 miles**

- LOF
- Replace OEM fuel filter
- Tire rotation and inspection

**75,000 miles**

- LOF
- Inspect passenger compartment filter.
- Tire rotation and inspection

**80,000 miles**

- LOF
- Replace OEM fuel filter
- Tire rotation and balance
- Inspect brake pad wear and condition of rotors and pads. Just a visual is all that's needed

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**85,000 miles**

- LOF
- Tire rotation and inspection

**90,000 miles**

- LOF
- Have an oil analysis done at this time and keep a record of the results. This may help to find hidden problems that may exist
- Replace OEM fuel filter
- Replace internal filter Allison transmission
- Replace external spin on filter Allison transmission
- Inspect passenger compartment filter.
- Tire rotation and inspection
- Drain and refill transfer case fluid
- Treat all rubber weather-stripping with a silicone spray treatment. This will keep the rubber soft and prevent it from drying out and cracking.
- Lube driveshaft splines at transmission

**95,000 miles**

- LOF
- Tire rotation and inspection

**100,000 miles**

- LOF
- Tire rotation and inspection
- PMI
- Complete flush of cooling system
- Replace radiator cap
- Perform pressurized test of cooling system to check for leaks.
- Drain and refill front differential fluid
- Drain and refill rear differential fluid
- Tire rotation and inspection
- Flush brake fluid
- Drain and refill transmission fluid (ZF-6)
- Replace serpentine drive belt
- Inspect brake pad wear and condition of rotors and pads. Just a visual is all that's needed

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### Resetting the oil life monitor

1. Turn the ignition key to the RUN position
2. Fully push and release the accelerator pedal 3 times within 5 seconds
3. If the Change Oil Soon light flashes, the system is resetting
4. Turn the key to OFF
5. Start the vehicle
6. The oil life will change to 100%
7. If the Change Oil Soon light comes back on, the system has not reset and the procedure must be repeated.

for use in Allison Transmissions and offers extended drain intervals.

*Engine Coolant* – 50/50 mixture of clean drinkable water and Dexcool coolant

*Brake Fluid* – DOT-3 brake fluid

*Hydraulic Clutch Fluid* – GM Hydraulic Clutch fluid part no 88958860

*Power Steering Fluid* – GM part no 10500017 or GM Cold Climate power steering fluid

*Manual Transmission*– (ZF-6) Transynd synthetic automatic transmission fluid

*Front Axle* – SAE 80W-90 Axle Lubricant GM part no 1052271 or SAE 75-90 Synthetic axle lubricant GM part no 12378261 (Grape Juice)

It is recommended to replace vent cap with GM part no 12479296 when using a synthetic lube

*Rear Axle* – SAE 75W-90 Synthetic Axle lubricant GM part no 12378261 or equivalent

*Transfer Case* – DEXRON-III Automatic Transmission Fluid or equivalent

*Weatherstrip* – Dielectric Silicone Grease GM part no 12345579

*Pivot Points* – Superlube GM part no 12346241. Lube points include, but are not limited too: Key lock cylinders, floor shift linkage, hood hinges and latch, door hinges and latches, fuel door hinge, tailgate pivots, latch and handle,

*Chassis Grease* – GM part no 12377985 or equivalent meeting category LB or GC-LB requirements

### Handy Info

Lug nut torque is 140lbs

### Fluid and Lubrication Recommendations

*Engine Oil* – Any CH-4 or CI-4 designated oil. 15W-40 is the recommended viscosity of oil, a synthetic may carry a 5W-40 viscosity rating. It is allowed to use a 10W-30 viscosity oil when temps will be below freezing. Do not use other viscosity oils.

*Automatic Transmission* – Dexron-III. Transynd fluid may be substituted or any synthetic fluid meeting Dexron-III standards. Transynd is the OEM fluid