

Ford 6.7L Power Stroke Diesel Operating, Maintenance & Care Tips

Vehicle Service	6.7L Normal	6.7L Special*
Oil and Filter^{1, 2}	Oil change service intervals should be completed as indicated by the instrument cluster message center	Oil change service intervals should be completed as indicated by the instrument cluster message center
Fuel Filter Change (both)¹	Change both fuel filters every 3rd oil change or every 22,500 miles (36,000 km) or as indicated by the message center, whichever comes first.	Change every 15,000 miles (24,000 km) or 600 engine hours or as indicated by the message center, whichever comes first.
Coolant Check/Change³	Initial change at 105,000 miles or 72 months; subsequent changes every 45,000 miles	Initial change 60,000 miles or 2400 hours of engine operation; subsequent changes every 45,000 miles or 1800 hours
Coolant Strength Check³	Check every 15,000 miles or 600 hours	Check every 15,000 miles or 600 hours

***Special** = Operating Conditions like Extensive Towing, Long Idle Time, Extended Low Speed Driving. For Off Road/Dusty Conditions oil change intervals should be every 7,500 miles (12,000km) or 300 hours of engine operation.

1 Use the Right Filters

- Ford Motor Company can only attest to the quality, performance and exact size of the filters provided by Motorcraft®. Only Motorcraft® air, fuel, and oil filters were designed specifically for the demands of the Ford Power Stroke® diesel engine. Genuine Motorcraft® filters provide superior filtration and never require adaptors.

2 Use the Right Oil

- API CJ-4 engine oil is required for 6.7L engine to meet federal emissions. Operation of the 6.7L diesel engine requires Ultra Low Sulfur Diesel (ULSD) fuel. Refer to Owner Information Maintenance and specifications for additional SAE viscosity grades and choose the oil viscosity that best suits your climate temperature range. Refer to the SAE viscosity grade chart in the Power Stroke® Diesel Supplement.

2 Use the Right Diesel Exhaust Fluid (DEF)

- Diesel Exhaust Fluid (DEF) is required to meet 2010 calendar year exhaust emissions. Operation of the 6.7L diesel engine requires DEF. The DEF tank should be refilled at every oil change to avoid running out. DEF usage will increase when operating under Special Operating Conditions. If the DEF is empty the vehicle will automatically have a reduction in performance or de-rate of the engine until the DEF tank is refilled. Refill DEF tank with Motorcraft DEF or equivalent.

3 Take Care of Your Coolant

- The coolant concentration should be maintained at 50/50 mix of Motorcraft® Orange Antifreeze/Coolant. The level of coolant should be maintained at the "COLD FILL" range in the coolant reservoir. If you suspect any coolant system leaks or lack of cooling, pressure test the cooling system. Refer to your Owner's Manual and Power Stroke® Diesel Supplement for additional information.
- Engine coolant system strength (carboxylates) should be checked and serviced at the mileage or equivalent hour intervals specified by the vehicle's message center and maintenance schedule. Check coolant strength using the Rotunda Antifreeze Test Strip kit to determine if additive is required (Rotunda Antifreeze Coolant ELC Contamination Kit # 328-R071-ELC). If the carboxylates strength is too low add one bottle of Motorcraft® Specialty Orange Engine Coolant Revitalizer, VC- 12, or equivalent. If the coolant corrosion inhibitor additive strength is too low in the secondary cooling system, add 16 fl. oz. of Motorcraft® Specialty Orange Engine Coolant Revitalizer, VC-12, or equivalent. The coolant can be recharged with this additive up to two times before the cooling system must be flushed and refilled – Do not add Supplement Coolant Additive if flush & refill is required.

Take Care of Your Fuel Injection System

- Diesel fuel quality is critical for reliable engine operation. Motorcraft® Cetane Booster & Performance Improver, PM-22-A (U.S.) / PM-22-B (Canada) can be added to improve fuel economy, starting ability and reduce engine wear.
- The water separator should be drained monthly or when the "water in fuel lamps" illuminates.
- Biodiesel fuel must not exceed 20% (B20). To avoid cold weather fuel gelling, add 6oz. of Motorcraft® Anti-Gel & Performance improver PM-23-A (U.S.) / PM-23-B (Canada) to every new tank of fuel.

Cold Start Performance

- The glow plug system operates for up to 120 seconds and is completely independent of the "Wait to Start" lamp operation. Always wait until the "Wait to Start" lamp has turned off, before cranking the engine.
- To ensure optimum cold weather starting performance, and improve cabin heating, the 120 volt engine block heater should be used during any cold weather operation. The engine block heater is required when the vehicle is to be started at temperatures below -10F (-23C).

Performance Modifications May Impact Your Powertrain

- Performance modifications may or may not be the root cause of a powertrain failure. If a non-Ford product (e.g. performance modifications, programmers, modified exhaust or air intake systems) fails or causes a Ford part to fail, the cost of the entire repair and any related damage will not be covered by the Ford New Vehicle Limited Warranty or any applicable Extended Service Plan (ESP/ESC) contract coverage.

Signing below indicates that the customer has read and understands the information above:

Customer Name

Vehicle Identification Number (VIN)

Customer Signature

Dealership Representative