

Thank you for your interest in Capital Reman. We appreciate the opportunity to serve you. Please take time to read the enclosed materials that include break-in procedures, our reman process and warranty.

Capital Reman is a full-service machine shop and remanufacturing facility. We are staffed by precision machinists and engine builders who take pride in every engine and component that leaves our facility. Every reman long block engine or component remanufactured by Capital Reman is specific to an engine serial number to ensure compatibility and likeness of its replacement. We maintain "birth records" of every engine and component we produce that includes all measurements, specifications and supplier sources if applicable.

Capital Reman does not install, work on, or remove engines from trucks or heavy equipment. Every wear part used in our reman engines is brand new and all other major components are new or have been remanufactured according to original specifications. With all newly remanufactured engines and components it is important to work with a qualified shop, mechanic, or technician during the installation of the engine or components. This will help prevent any unnecessary engine or engine component damage. It is also critically important that a qualified mechanic or technician thoroughly inspects and/or replaces any accessory items that could potentially cause damage to the engine or components. Should you find any accessory items that need replacing please call Capital Reman so we can help provide any needed accessory items for you.



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Sincerely,
Capital Reman Exchange

Break-In Instructions for new or reman diesel engines

All engines, new or reman, need to be broken in properly to ensure optimum performance. The break-in procedure allows engine parts from different machined surfaces to conform to each other and form a tighter seal.

To properly break-in your new or reman engine, please follow the below procedures. Failure to do so can impact the quality and life of your engine, and will void the warranty.

- 1. Your new or reman engine is specific to your original engine serial number, however applications may vary. Please verify all freeze plugs are in place prior to installation.**
- 2. PRE LUBE & PRESSURIZE engine prior to start up.**
- 3. Do not use synthetic oil.**
- 4. On initial start up the engine should be run for only 5-10 minutes; the length of time to determine the engine has no leaks and parts are torqued properly.**
- 5. Immediately put the engine under moderate to heavy load at varying RPMs (without exceeding original operating/application limits) for the first 200 miles or 3-4 hours. Revving a stationary truck will not generate the load pressure needed for proper break-in.**
- 6. After break-in It is recommended to drain oil, install new filters and fill with new oil.**

Never allow your engine to idle for an extended period of time during break-in. A new or reman engine left to idle or operate under low or no-load conditions will contribute to glazed cylinders. When this happens, the rings will not properly seat and will contribute to oil consumption, low engine power, and decreased fuel economy. The remedy for correction will be to replace cylinder liners and rings.

It is the responsibility of the mechanic or technician to ensure the correct installation of the new or reman engine. **Additionally, all other components/parts/systems that complete the long block during installation should be thoroughly inspected, cleaned, and be deemed suitable for use so the long block engine is not adversely impacted.**

An Oil Cooler(s) is a vital component to ensure any remanufactured engine does not become contaminated from a previously failed engine. Failure to replace an oil cooler on a Remanufactured Long Block automatically voids any warranty coverage.