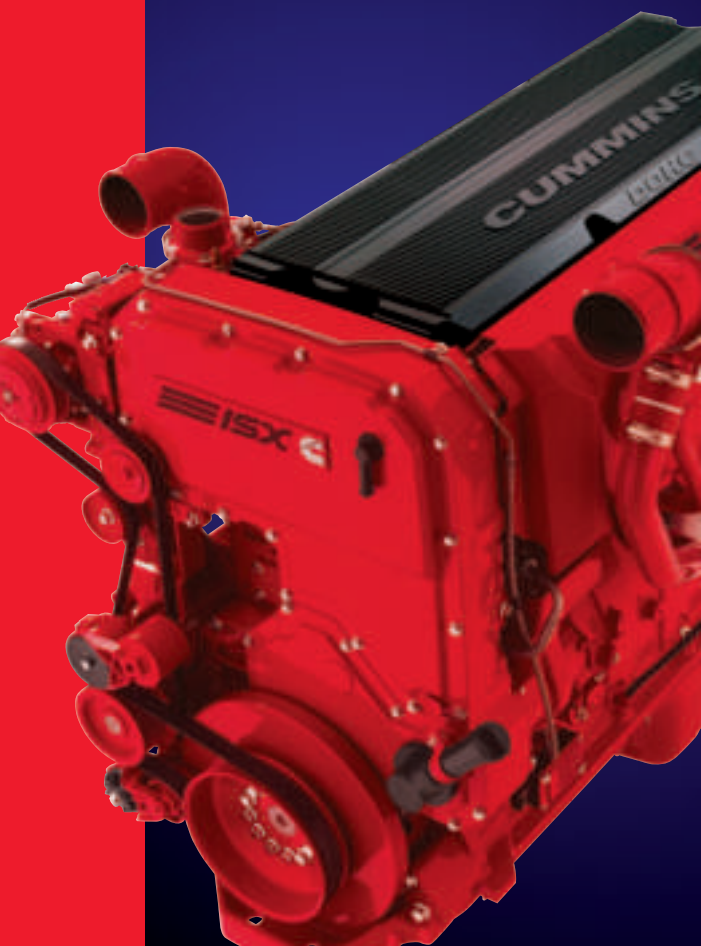
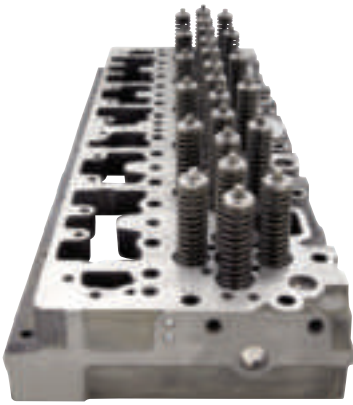




Every™ Part. Genuine.

ReCon® Products You Can
Depend On.





ReCon® products are a great repair value when you have used equipment. Our products can help you achieve a reduction in emissions while lowering operating costs through improved fuel efficiency, lower maintenance costs and quick turnaround on repairs. The use of ReCon products ensures quality performance for years to come.

Adherence to strict quality standards in the remanufacturing process, our easy exchange policy, competitive pricing and worldwide warranties make our full line of 3.9- to 19-liter ReCon engines and parts a great value in every application, from on-highway vehicles to industrial applications and power generation equipment.



The Genuine Difference.

ReCon products are not simply repaired or rebuilt; they are remanufactured in factories around the world that use internationally recognized quality certification standards such as ISO 9000. Cummins remanufacturing process begins with complete disassembly of every part, down to the last spring, nut and screw.

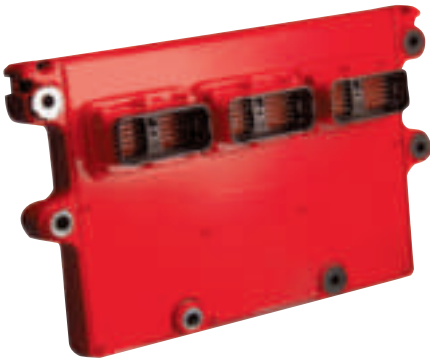
Parts are cleaned using nonabrasive cleaning methods, and they undergo extensive testing to ensure that they meet quality standards for reuse in the remanufacturing process. Parts that do not meet Cummins factory standards are replaced with new Genuine Cummins Parts. Individual components are tested prior to assembly, and complete assemblies must pass rigorous quality tests before they can be sold to a customer.



Remanufactured ReCon Components.

- **Accessory Drives** – They contain new bushings, thrust bearings, gears and plugs for the gallery pipe. Out-of-specification (spec) shafts and housings are replaced with new.
- **Connecting Rods** – Caps and connecting rods are kept in matched pairs, surfaces are honed and caps and rods are tested for cracks. The piston bore is re-brushed and bored to size. Worn bolts, dowels and bushings are replaced with new.
- **Cylinder Heads** – Remanufacturing includes state-of-the-art machining and replacement of critical-wear parts, including valve guides, injector sleeves, collets and fuel manifold plugs/kits. Cups are replaced with new stainless steel cup plugs. The lower conical area is reamed before sleeves are installed, and castings are pressure-tested to ensure that there are no internal defects in water or fuel line jackets. Valves are vacuum-tested to ensure sealing and no leaks.





- **Electronic Control Modules (ECMs)** – All circuits undergo diagnostic testing, and out-of-spec parts – along with parts approaching the end of their life span – are replaced. ECMs are calibrated to the latest performance standards and are subjected to environmental stress and “overstress” testing.
- **Fuel Pumps** – They are disassembled, cleaned and inspected. All critical-wear parts, including bearings and seals, are replaced. PT pump governors, plungers and barrels are match-fit for longevity and leak-free performance. Rotary fuel pump governors are upgraded to the latest design, and all fuel pumps are calibrated to optimize performance, fuel economy and emissions.
- **Air Compressors** – They contain new pistons, connecting rods, rings, gaskets, O-rings, springs, snap rings and wear plates. Air compressors are upgraded to the latest rod-and-head design.



■ **Injectors** – They are remanufactured to Cummins standards using sophisticated equipment. Critical-wear parts and worn or defective caps are replaced. Barrels are honed to restore geometry and finish, then matched to plungers. All injectors are pressure-tested for proper fuel delivery with no leaks.

■ **Lube Oil Pumps** – Body and cover are inspected. Bearings, bushings, seals and gaskets are replaced. Then pumps are tested to ensure correct flow and pressure.

■ **Rotating Electrics (Starters and Alternators)**
– Commutators are machined and polished to ensure proper contact. Regulators, bearings, brushes, nuts and bolts are replaced with new. Starter field coils are tested for specific voltage, and alternator diodes are checked for voltage drop, leakage and polarity.





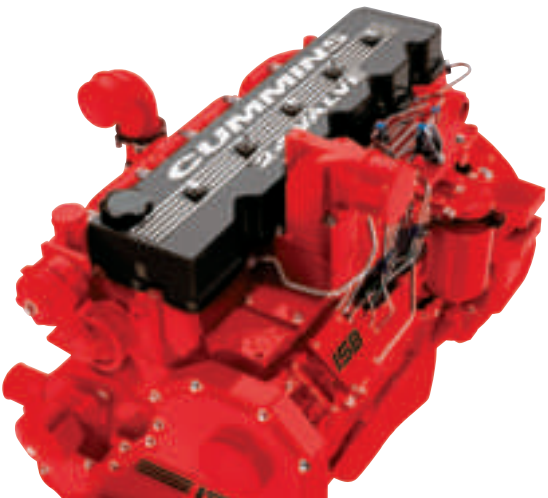
- **Turbochargers** – After disassembly and cleaning, critical-wear parts – including seals, bearings and thrust plates – are replaced. Wastegate and VGT™ Turbochargers are tested for tolerance and calibration to ensure exact match to the intake needs of every engine.
- **Water Pumps** – All critical-wear parts are replaced, and patented unitized carbon seals are used to resist silicate deposits and leaks. Pulleys are re-grooved, and spring tension is optimized for reliability and durability. Installation gaskets and seals are included.
- **Particulate Filters** – They undergo a deep-cleaning process to restore full filter storage capacity. ReCon particulate filters are a fast exchange option, giving you hundreds of thousands of miles of dependable service.
- **Additional ReCon Components** – These include Exhaust Gas Recirculation (EGR) valves, vacuum pumps, aftercoolers, cam followers, fan drives, vibration dampers, idler pulleys, tappets, upper rockers, L10 natural gas components and more.

ReCon Engines.

Remanufactured on assembly lines, these engines include the latest improvements in design and material. Engines are restored to Cummins factory specifications and are backed by a worldwide warranty and a service network of over 4,700 authorized service locations. Engine replacement generally takes one to two days, minimizing time to repair. You get value for your used Cummins engine, and ReCon engines run with greater fuel efficiency, lower maintenance costs and lower emissions than are typical for a repaired engine.

Long Blocks – The cylinder block, crankshaft, cylinder heads, camshaft, connecting rods, main bearings, pistons, cylinder liners, tappets, push tubes, rocker lever assemblies, water pumps and more are re-qualified or replaced. Major castings are tested. Injectors are replaced in Heavy-Duty engines. The long-block option allows reuse of external components such as the turbo, lift pump, air compressor, starter, alternator, ECM, fuel pump and fuel lines.

Short Blocks – They include the cylinder block, crankshaft, pistons, connecting rods/bearings, liners (for C Series and larger), water pump, seals and fasteners. This option allows reuse of the cylinder head(s) and “hang on” parts.



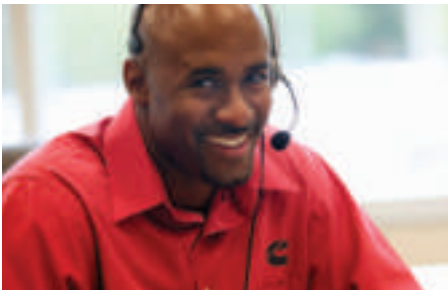
Exchange Policy.

Cummins core exchange pricing is based on simple visual inspections of the product. Disassembly and testing are not required prior to awarding the core value, and there are no surprise billbacks if internal damage is later discovered.

Warranty.

One of the biggest advantages of doing business with a global company like Cummins is warranty coverage. With 100 percent coverage on parts, labor and progressive damage, Cummins ReCon products carry the best warranties in the business, honored at over 4,700 service locations around the world. (Refer to warranty cards or ask your ReCon sales representative for details.)

Every Question. Answered.



Complete information about ReCon products is available at quickservice.cummins.com, or contact your local Cummins distributor or dealer. For 24/7/365 support for all Cummins products, call our 1-800-DIESELS™ (1-800-343-7357) Customer Assistance Center.



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