

CATERPILLAR®

REMANUFACTURED PRODUCTS

Cat® Reman Products for Truck Engines





Maximum Productivity and Lower Costs



Your trucks work on the toughest jobs and in the most extreme conditions. Your Caterpillar® engine

is at the heart of your truck's productivity and your company's profitability. We offer extensive Reman options—both Reman Engines



and engine components—that provide same-as-new performance and reliability at fraction-of-new costs. The results are maximum truck engine productivity and lower costs.

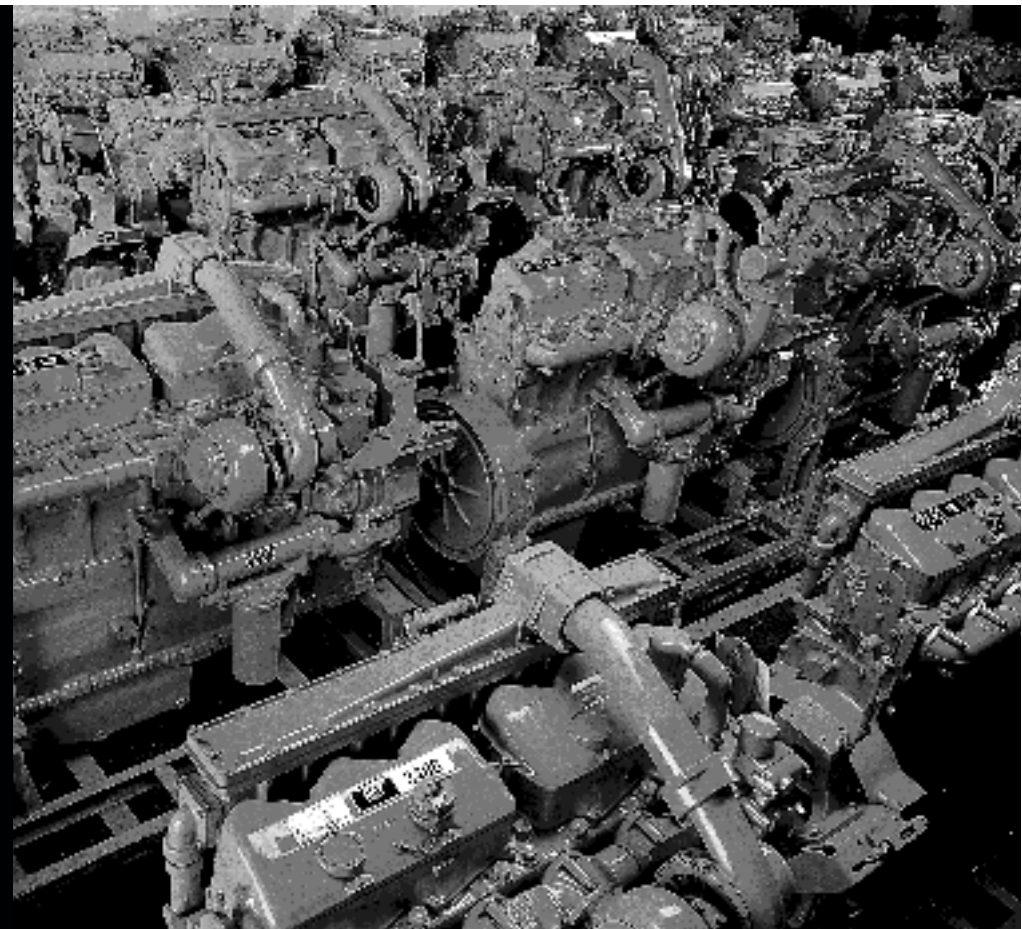


Comprehensive Reman Coverage—Gives You Options

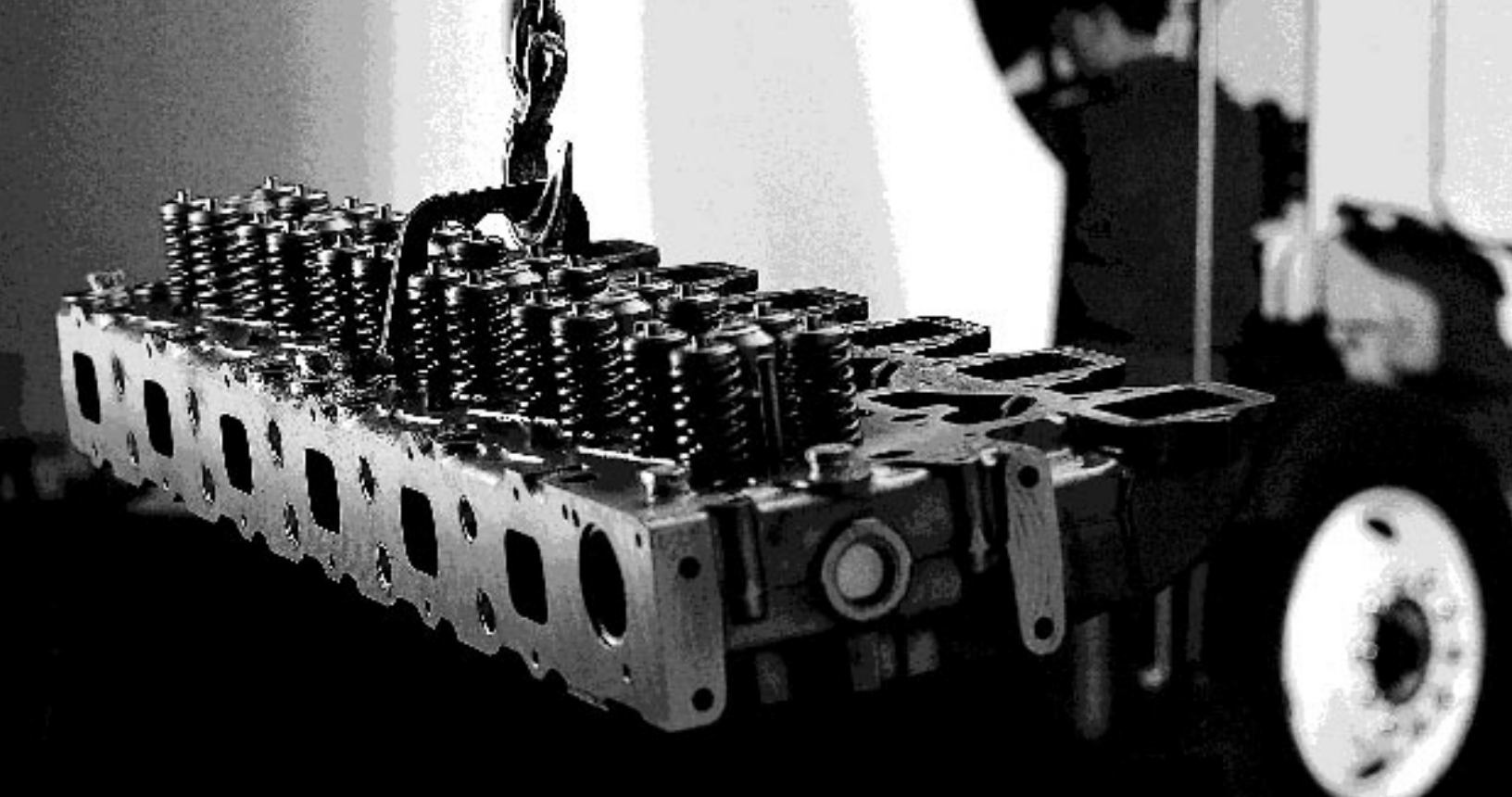


When your engine requires service, you need options that get you back to work quickly, affordably, and reliably.

Our extensive Reman coverage for engines provides reliable, lower-cost solutions whether you require simple component repair or more complicated engine replacement. We stock Cat Reman Engines and engine components so we can get you back to work quickly.



Gives You Options



Reman Engine and Engine Component Coverage									
Components	Model								
	3116	3126	3176	3208	3306	3406	3408	C10	C12
AC Compressors			•	•	•	•	•		
Air Compressors	•		•	•	•	•	•	•	•
Alternators	•	•	•	•	•	•	•	•	•
Camshafts and Kits	•	•		•	•	•	•	•	•
Connecting Rods	•	•	•	•	•	•	•	•	•
Crankshafts (Undersize)	•	•	•	•	•	•	•		
Crankshaft (Upgrade)	•	•	•	•	•	•	•	•	•
Cylinder Head Groups	•	•	•	•	•	•	•	•	•
Cylinder Packs			•		•	•	•	•	•
Electronic Engine Control						1			
Engines	•		•	•		•			
Fuel/Air Ratio Controls						•	•		
Fuel Injection Pumps and Governor Groups				•	2				
Fuel Transfer Pumps		•			•	•	•		
Long Blocks	•				•	•	•		
Oil Coolers	•	•	•	•	•	•	•	•	•
Oil Pumps	•	•	•		•	•	•	•	•
Short Blocks	•			•	•	•			
Starters	•	•	•	•	•	•	•	•	•
Tune-up Kits				•					
Turbochargers (complete)	•	•	•	3	•	•	•	•	•
Turbochargers (Cartridges)	•	•	•	3	•	•	•	•	•
Unit Injectors and Fuel Nozzles	•	•	•	•	•	•	•	•	•
Water Pumps	•	•	•	•	•	•	•	•	•

Coverage and availability
reduce downtime

We stock the broadest line of remanufactured parts and components in the industry. Our inventories are further supported by the Caterpillar worldwide inventory and distribution system. Engines and engine components are ready to install, so you can minimize downtime and maintain productivity.

1 B & C Series only

2 Sleeve Metering Fuel System

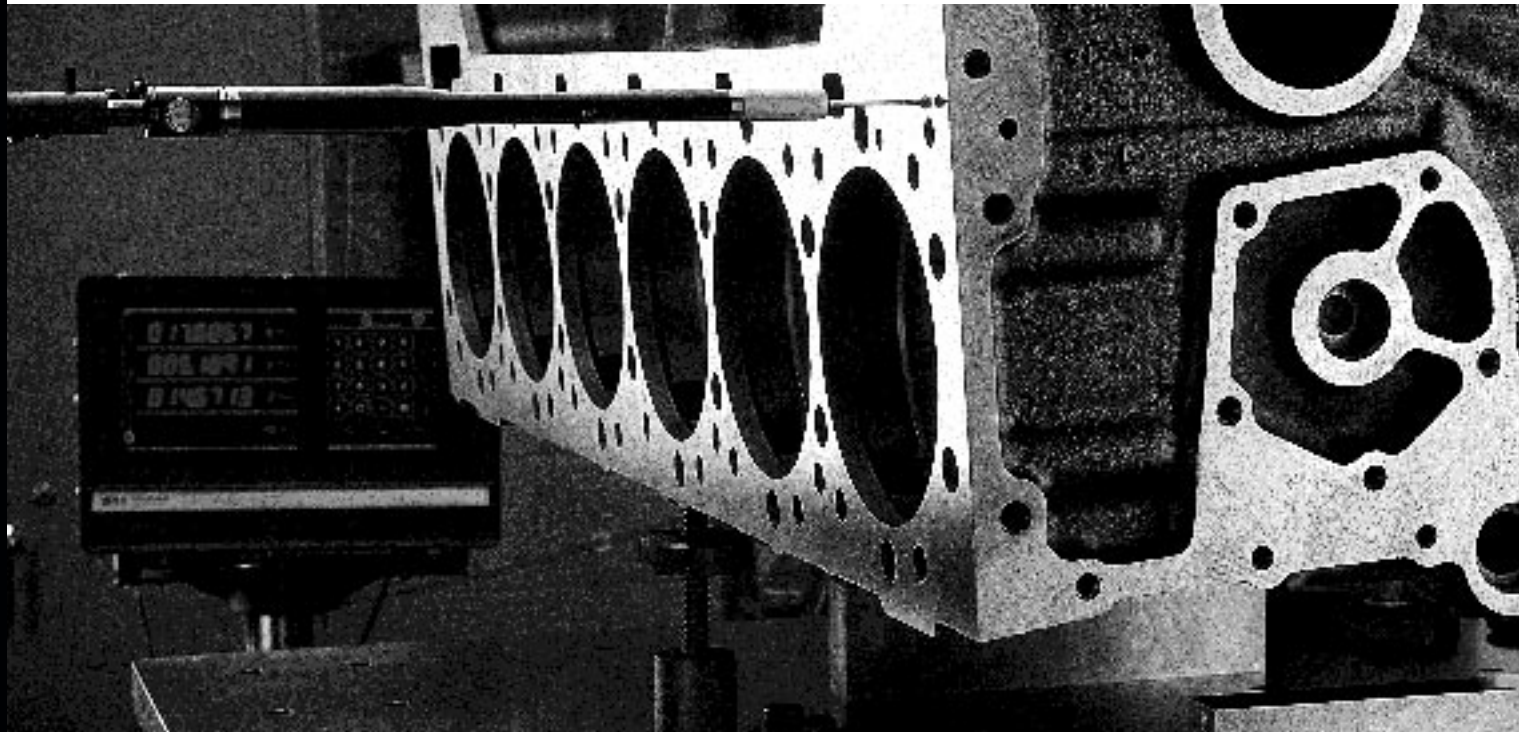
3 T Model only -Turbocharged

A limited selection of components is available for 1673/1693 engines.

Factory Remanufacturing—Ensures Reliability



Remanufacturing is more than rebuilding. It is returning engines and components to their original performance specifications through the use of state-of-the-art salvage techniques, strict reuse guidelines, advanced manufacturing systems, and unequaled quality control. Restoring original performance is possible since new Caterpillar Engines and engine components are built to be remanufactured for a second life. This attention to detail ensures that Caterpillar Remanufactured Engines and engine components provide like-new quality and reliability.



Remanufactured Engines

Strict remanufacturing ensures long life, reliability

Cat Reman Engines are remanufactured using only genuine Caterpillar parts, many of them new. Engines are upgraded to include critical design improvements, so they may even outperform the original. Plus, each engine is dynamometer tested for operational and performance indicators to ensure that Cat Reman Engines meet the same performance specifications as new Caterpillar Engines.



Remanufactured Engine Components



Short and Long Blocks

Cat Reman Long and Short Blocks are disassembled, thoroughly flushed to meet rigid cleanliness standards, and 100% inspected for cracks, erosion, or other damage. Every block is updated to include critical design improvements.

Block and cylinder head faces are resurfaced to factory specifications. Crankshafts are reground, polished, and checked for lift and end-play. All bearings, seals, gaskets, exhaust valves, and piston rings are replaced with new Cat parts.

Blocks are tested electronically to ensure consistent quality and long life.



Cylinder Heads

Reman Cylinder Heads are 100% magna fluxed to detect cracks, erosion or other damage, and are updated to include engineering changes. The bottom deck is resurfaced to ensure a tight seal between the cylinder head and engine block to help prevent combustion gas and coolant leaks. All exhaust valves and other critical wear and sealing components are replaced with new Cat parts. Cat Reman Cylinder Heads are pressure tested for leaks before they leave the factory.



Air Compressors

Crankshaft and journal surfaces are reground and polished and cylinder bores rehoned to exact dimensions. Each unit has new piston rings, rubber parts, springs, seals, gaskets, and washers to help deliver like-new performance.



Alternator/Starters

To ensure same-as-new performance, all alternator gaskets and seals, and starter O-rings, seals, and boots are replaced.



Oil Coolers

Unlike other rebuilders who clean and reuse bundles, Cat Reman Oil Coolers use only new tube bundles and end sheets, which increases reliability and performance levels.



Turbochargers

Center housings are tested for seal integrity. All thrust and antifriction bearings are replaced to ensure long life and performance.



Crankshafts

Crankshafts are 100% magnafluxed to detect cracks. Crankshaft journals are machined to the same surface finish, roundness, and location tolerance of new crankshafts to extend service life.



Cylinder Packs

Cat Reman Cylinder Packs ensure that your engine is overhauled using performance-matched, genuine Caterpillar parts. Only Caterpillar preassembles the connecting rod, liner, and piston as a unit, cutting overhaul time by as much as 25%.



Unit Injectors and Fuel Nozzles

Every component is completely disassembled, cleaned, and carefully inspected to ensure same-as-new quality and reliability. All seals and o-rings are replaced. When reassembled, remanufactured injectors are tested and calibrated to new product specifications.



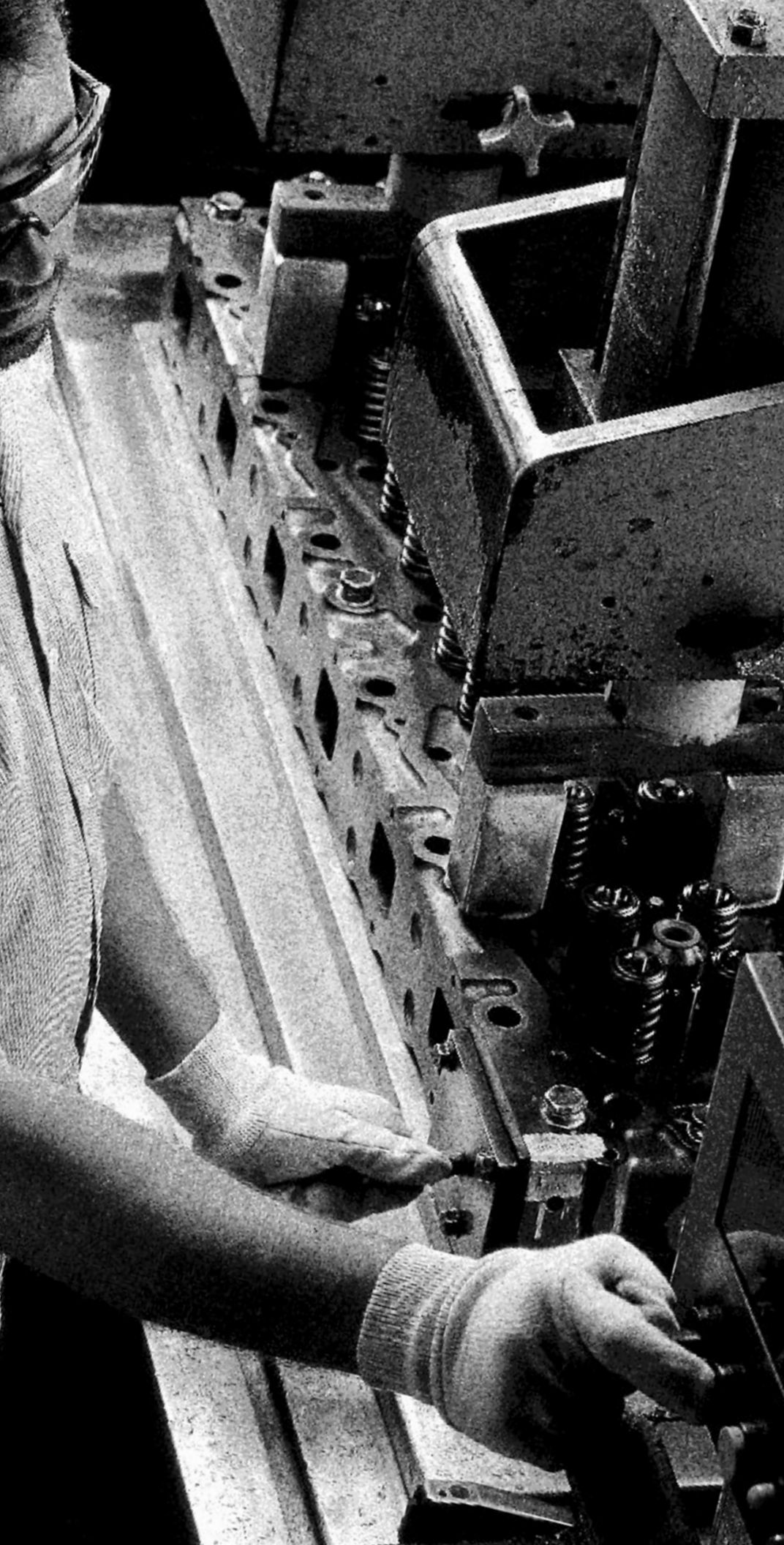
Water Pumps and Oil Pumps

Cat Reman Water and Oil Pumps are updated to meet the latest design standards and feature 100% replacement of bearings and seals.



Fuel Injection Pumps and Governor Groups

All gasket seals and worn parts are replaced with new. Each unit is computer-tested for 20 critical quality points to ensure maximum performance and fuel economy.



Fraction-of-New Price—Lowers Costs



Reman options are one more way we support your equipment and help you lower owning and operating costs. Cat Reman Engines and engine components are typically priced at 40-60%¹ of new. You also receive credit for your used core through our generous core acceptance program.

¹ Price percentages represent general ranges of suggested consumer prices and are based on the return of an acceptable core.



Generous core acceptance reduces costs

Our simple core acceptance criteria allow a quick determination of core credit. We visually inspect the core on the spot, providing an immediate decision on core condition and credit, so you don't have to wait for—or guess about—repair costs. Our two-level pricing system ensures that engines with broken, cracked, or welded blocks can earn a partial refund. Plus, knowing the exchange price in advance means you'll avoid mid-job surprises.

Basic Core Criteria²

- Component not visibly cracked, broken, or welded
- Fully assembled and complete
- No non-operational damage (mishandling, excessive rust, corrosion, or pitting)
- Acceptable part number—Caterpillar part

²Core refund criteria vary by component and are subject to change. Partial core refunds are available for some Cat Reman components. See us for specific information.



Warranties protect your investment

Reman Engines

Engine	Warranty
3116	12 months/100,000 miles
3208	12 months/100,000 miles
3176	24 months/100,000 miles
3406	24 months/100,000 miles

Our warranty guarantees prompt service, including parts, labor, and contingent damage. An extended warranty period applies to the 3406 and 3176 cylinder block, crankshaft, and connecting rods. These parts are warranted for 36 months or 300,000 miles at no charge.

Extended warranty coverage may be purchased for Cat Reman Engines.

Reman engine components

Cat backs Reman engine components with a same-as-new warranty, honored worldwide.

Cat Reman Products

Coverage for Truck Engines



As good as new.

As strong as ever.

CATERPILLAR®