



+ DEFINING CAT REMAN

Cat® Reman products are not rebuilt, retrofit, or repaired parts.

They're remanufactured components that restart the component lifecycle, saving customers money (with core return) and contributing to a circular economy. Cat Reman products provide like-new performance and quality.

When certain parts or components have reached the end of one life, a Cat Reman customer may return them to an authorized Cat Dealer for inspection and credit. The used parts (also referred to as core) are then sent to a Cat Reman facility to determine if they can be efficiently and effectively remanufactured.

Using the product's original Caterpillar performance specifications and incorporating the latest engineering upgrades, these parts are remanufactured to receive an additional lifecycle. This is completed through our state-of-the-art salvage processes and advanced manufacturing systems, all while adhering to strict reuse guidelines and stringent quality control.

WHAT CAT REMAN IS AND WHAT IT IS NOT



CAT REMAN IS...

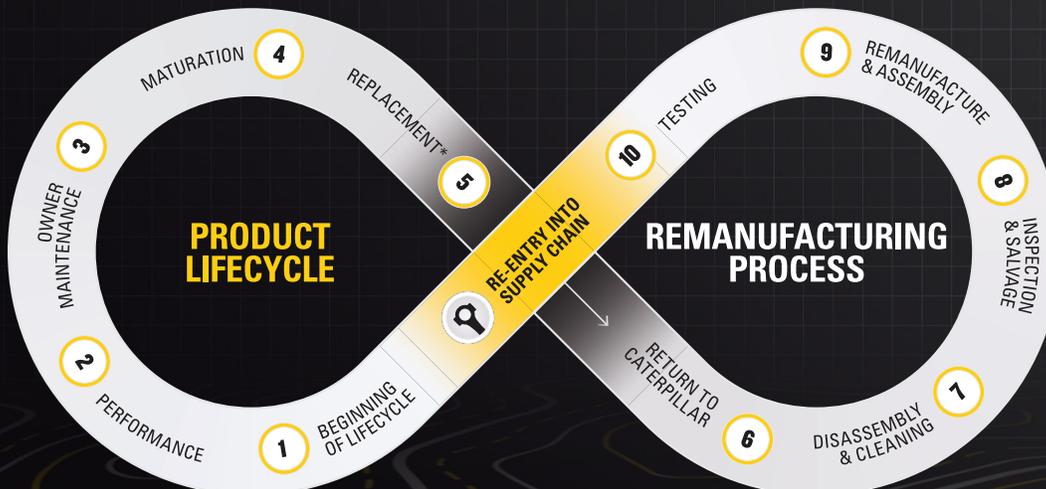


CAT REMAN IS NOT...

- ✓ Engineered in a consistent process delivering sustainability benefits, within a manufacturing environment designed to match the OEM performance specifications and manufacture of new products.
- ✓ Upgraded to include critical engineering updates.
- ✓ Made using components from original equipment which have been remanufactured to like-new quality by Caterpillar.
- ✓ Restored using proprietary Caterpillar processes with genuine Cat parts.
- ✓ Covered by a same-as-new, 12-month Caterpillar Limited Warranty.¹
- ✓ A comprehensive remanufacturing process of used parts obtained through core return that gives each part a new identity.

- ✗ A repair — which is often a simple or targeted fix for specific concerns, designed to keep equipment running for the near term. However, Cat Reman solutions can be used as part of the repair process.
- ✗ A refurbish/recondition — which generally includes an external physical inspection, an internal visual examination, cleaning of material buildup and then reassembly with basic testing.
- ✗ A rebuild — which may require a longer turnaround time and, when completed by a third party, may use will-fit parts without the benefit of Caterpillar reuse guidelines and salvage specifications. However, Cat Reman solutions can be used as part of the rebuild process.
- ✗ A retrofit — in which new parts are designed to fit into older machine models to address productivity or maintenance issues.

CAT REMAN PRODUCT LIFECYCLE



*It is recommended to replace **before failure**.
Replacements after failure may result in partial credit.

¹Warranty can vary by model and application; limitations apply. For complete details about the applicable Caterpillar Limited Warranty, contact an authorized Cat dealer.

+ THE DIFFERENCE BETWEEN CAT CERTIFIED REBUILDS & CAT REMAN

Learn the difference between Cat Certified Rebuilds and Cat Reman. While they share many characteristics, each can give you a unique set of benefits depending on your repair and overhaul needs. It's important to note that only Caterpillar can remanufacture Cat parts to OEM standards and only a Cat Dealer can provide a Cat Certified Rebuild. No matter what, you'll find a cost-effective, long-lasting solution with Caterpillar.

DIFFERENCES

CAT REMAN



DISASSEMBLY

Disassembled down to smallest piece parts, losing their original identity and serial number



CLEANING

Robust cleaning process, including salt-bath, fluidized bed and laser cleaning



SALVAGE

Imperfections are addressed through:

- Machining — processes like grinding, horizontal/vertical lathing, milling, radial drilling and multi-axis machining.
- Metal Deposition — procedures such as laser cladding, manual and mechanized welding processes, and twin wire arc thermal sprayed coatings.



SERIAL NUMBERS

Components receive a new serial number



DISTRIBUTION

Finished component re-enters the supply chain with like new performance and quality, available for purchase through Parts.Cat.com or a local dealership

CAT CERTIFIED REBUILDS



DISASSEMBLY

Whole parts disassembled from machine & evaluated for reuse or reconditioning



SALVAGE

Dealers will salvage components based Caterpillar's reuse and salvage guidelines but salvage capabilities are dictated by individual dealer



SERIAL NUMBERS

Components retain original serial number



DISTRIBUTION

Dealer rebuilt machine or engine is returned to the customer, providing like-new performance and quality. Rebuilds may include Cat Reman components within

SIMILARITIES



ENGINEERING UPDATES

Both repair options include critical updates to original Caterpillar performance and quality specifications



TESTING

Functionality and performance testing to the same standards as new Caterpillar parts and component standards



REPAINTING

Components are painted and new plates and decals are affixed as required to meet Caterpillar standards



INSPECTIONS

Performed by Cat dealership and Caterpillar



REASSEMBLY

Both repair options include reassembly to original Caterpillar performance and quality specifications



WARRANTY

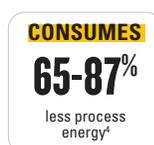
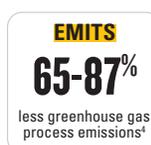
Cat Reman and Cat Certified Rebuilds both come with a same-as-new Caterpillar Limited Warranty¹

+ CAT REMAN BENEFITS



- DROP-IN READY SOLUTIONS** HELP REDUCE DOWNTIME VS. REBUILDING COMPONENT
- SAME-AS-NEW** 12-month CATERPILLAR LIMITED WARRANTY³

+ CAT REMAN SUPPORTS A CIRCULAR ECONOMY



¹Cost savings is based on return of core; core conditions apply.

²Warranty can vary by model and application; limitations apply. For complete details about the applicable Caterpillar Limited Warranty, contact an authorized Cat dealer.

³Data does not include Progress Rail, Solar Turbines, Caterpillar Energy Solutions and Caterpillar Defense.

⁴Represents U.S. environmental impacts comparing "gate-to-gate" remanufacturing and manufacturing processes for engines and components. Based on 2018 external study of Cat engines, alternators and turbochargers. Does not include impacts elsewhere in our value chain.