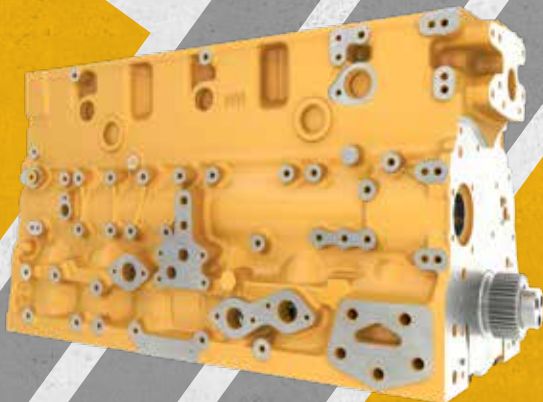
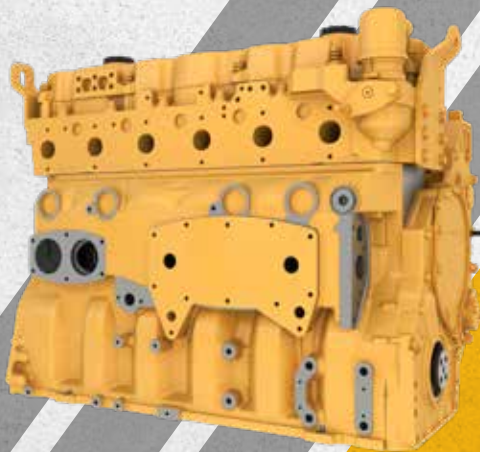


# CAT<sup>®</sup> REMAN

## REPLACEMENT ENGINE OPTIONS FOR CAT POWERED EQUIPMENT

Everything You Need to Know About  
Cat<sup>®</sup> Reman Replacement Engine  
Options For Your Equipment  
Using Cat C7-C18 Engines



**CAT**<sup>®</sup>  
Reman

# CAT REMAN REPLACEMENT ENGINE OPTIONS

RELIABLE POWER AT  
LOWER COSTS WITH  
CORE RETURN FOR  
CAT ENGINES IN  
YOUR EQUIPMENT

## OPTIONS TO MEET YOUR EXACT NEEDS

If you are looking to keep your equipment running for another life, Cat® Reman has comprehensive coverage in a variety of applications. Whether your equipment is a compressor, drill, chipper or grinder, crusher, pump or agriculture equipment, if it has a Cat engine, we may have a Cat Reman engine option for you. Experience like new performance when you choose a Cat Reman engine option for C7 to C18.

Plus, when you return your end-of-life core for a core refund, you can reduce your equipment's Total Cost of Ownership.

## FASTER REPLACEMENT. LOWER COST. LIKE NEW PERFORMANCE.

With help from your local dealer or by visiting [parts.cat.com](http://parts.cat.com), choose a replacement that costs less than a new engine when you return your end-of-life core, get back to production quickly, and avoid the time and difficulty of overhauling or selling your old unit. Even better, our remanufacturing processes mean your Cat Reman replacement engine option will perform like new.

### COMPLETE ENGINES

Every Cat Reman engine is dynamometer tested and tuned for like new performance and fuel efficiency. Fully assembled and ready to run, they're a cost-effective replacement solution that helps increase your uptime.

### LONG BLOCKS

Cat Reman long blocks include short block components plus a cylinder head, camshaft, and timing gears. They're fully assembled and ready to be built into your engine – reducing downtime and labor costs with more Cat Reman parts than the short block. Cat Reman long blocks are a good option when a complete engine is not available and you value turnaround time.

### SHORT BLOCKS

Cat Reman short blocks are fully assembled with a cylinder block, crankshaft, pistons, and connecting rods. They're a good choice when you have crankshaft or cylinder pack issues, but your cylinder head and gear train are in good, reusable condition.

**SHOP NOW**



SCAN / [CLICK](#)

# COMPREHENSIVE COVERAGE IN A VARIETY OF APPLICATIONS

- + Chippers and Grinders
- + Compressors
- + Cranes
- + Paving Equipment
- + Pumps
- + Screeners
- + Drills
- + Crushers
- + Compressors
- + Pumps
- + Material Handling
- + Combines and Harvesters
- + Forestry Equipment
- + Irrigation
- + Tree Shakers



Engine	SN Prefix	SB	LB	Complete
3116	2MR	•		•
	5EN	•		•
3126	9ZR	•	•	•
3126B	BEJ	•	•	•
	DCS	•	•	•
C7	JRA	•	•	•
	TEF	•		•
	JTF	•	•	•
C9	JLW	•	•	
	JSC	•	•	•
	REH	•	•	•
	MBD	•	•	•
C11	GLS	•	•	•
	HRA	•	•	
C-12	BDL	•	•	•
C13	KWJ	•	•	
	LGK	•	•	•
	RRA	•	•	•
	N3F	•	•	
	JR9	•	•	
3406	6TB	•	•	•
	3ER	•	•	•
	90U		•	
	7T2	•		
	6BR	•		
	2WB	•	•	
3406C	4ZR	•	•	
	4GW	•	•	•
C-15	BEM	•	•	•
	JRE	•	•	•
	MCW	•	•	•
C15	N5F	•	•	
	LDN	•	•	
	JAS	•	•	
	WRH	•	•	•
C18	WJH	•	•	•
	BDN	•	•	
	N8F	•	•	
	EJG	•	•	
	ZPS	•	•	
	JDA	•		

\*May not be inclusive of all serial number prefixes.  
Consult your authorized Cat dealer for complete coverage.

# COMPLETE REPLACEMENT ENGINES

## A MORE COMPLETE SOLUTION THAT INCREASES YOUR UPTIME

The Cat Reman replacement engine is a truly comprehensive solution. This drop-in option allows you to save more labor hours compared to long and short blocks, reducing downtime, for a fraction-of-the-cost of new when you return your end-of-life core.

### A MORE COMPLETE RANGE OF BENEFITS

When you choose a Cat Reman complete engine, you can count on these benefits:

- + Drop-in solution for a quicker turnaround
- + Lower labor costs for installation
- + Lower additional parts investment
- + Lower cost than new engines when you return your end-of-life core
- + Remanufactured components meet original Caterpillar performance specifications
- + Same-as-new Caterpillar Limited Warranty<sup>1</sup>
- + Warrantied against Caterpillar defects in material and/or workmanship
- + **Genuine new and Cat Reman parts. New parts include these and more:**
  - Engine wiring harness
  - Gaskets and seals
  - Cylinder liners
  - Bearings
  - Bushings
  - Engine mounting hardware

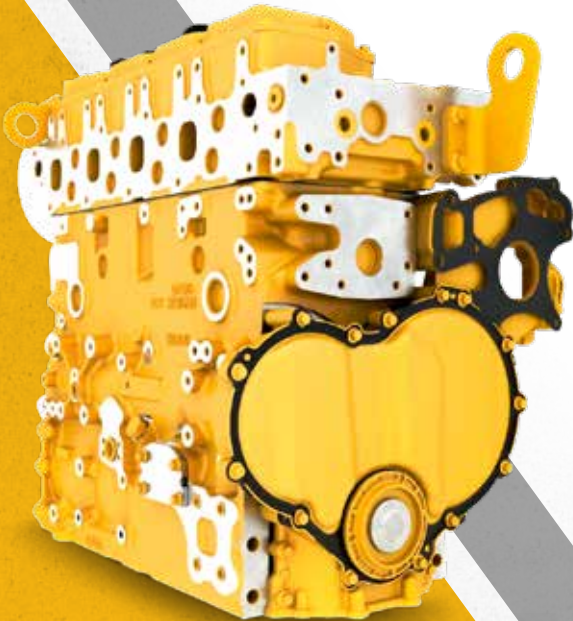
In addition, complete engines are dynamometer-tested to Caterpillar specifications for like new performance.



# THE LONG AND SHORT OF CAT REMAN LONG AND SHORT BLOCKS

## AN ECONOMICAL APPROACH TO REPAIRING INDUSTRIAL ENGINES

Cat Reman long and short blocks deliver more value for your money. Much of this value lies in the reuse of serviceable components from your current engine. If you're looking for increased quality, reliability, and lower costs, these options are for you.



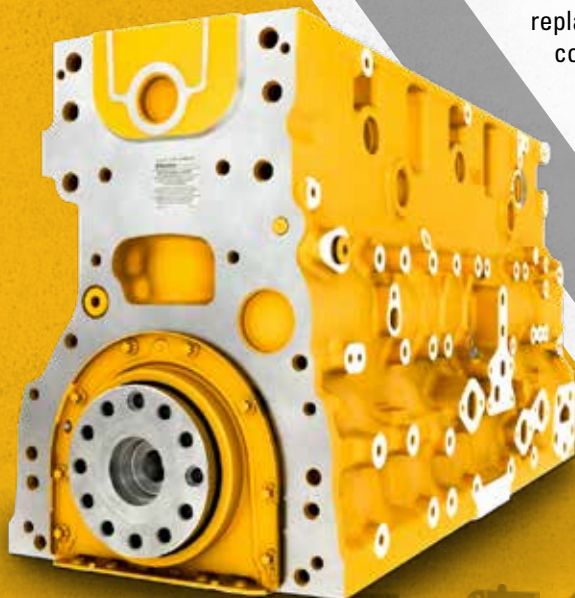
### CAT REMAN LONG BLOCKS

Compared to complete engine replacements, Cat Reman long blocks offer a more cost-conscious approach. Incorporating critical engineering updates and techniques, each long block is held to like new engineering quality standards. The result is like new engine performance for a fraction of the cost with core return. End-of-line tests confirm every long block meets original Caterpillar performance specifications.

Cat Reman long blocks come assembled with the following components:\*

- + Engine Block Group
- + Cylinder Head Group
- + Valve Train Mechanism Group
- + Valve Train Mechanism Cover
- + Front Housing Group
- + Crankshaft Group
- + Rod and Piston Assembly
- + Camshaft Group
- + Lifting Eye Group
- + Front Gear Group
- + Cover Group

\*Components can vary by engine model, so consult your authorized Cat dealer for component details and availability.



### CAT REMAN SHORT BLOCKS

An even more economical option, Cat Reman short block engine replacements incorporate more reused components to address common engine issues and concerns. Cat Reman short block assembly specifications include cylinder block, crankshaft, pistons, connective rods, and rear-main oil seal.

### BENEFITS OF BOTH

All Cat Reman products receive new wear parts, including piston rings, gaskets, seals, liners, bearings, bushings, and more. You can also save on your block purchase by receiving a core deposit refund in exchange for an acceptable core. Plus, short and long blocks are covered by a same-as-new, 12-month Caterpillar Limited Warranty<sup>1</sup>, protecting against Caterpillar defects in material and/or workmanship.

# WHAT TO EXPECT FROM CAT REMAN ENGINES AND ENGINE COMPONENTS

## QUALITY. DURABILITY. LONG LIFE.

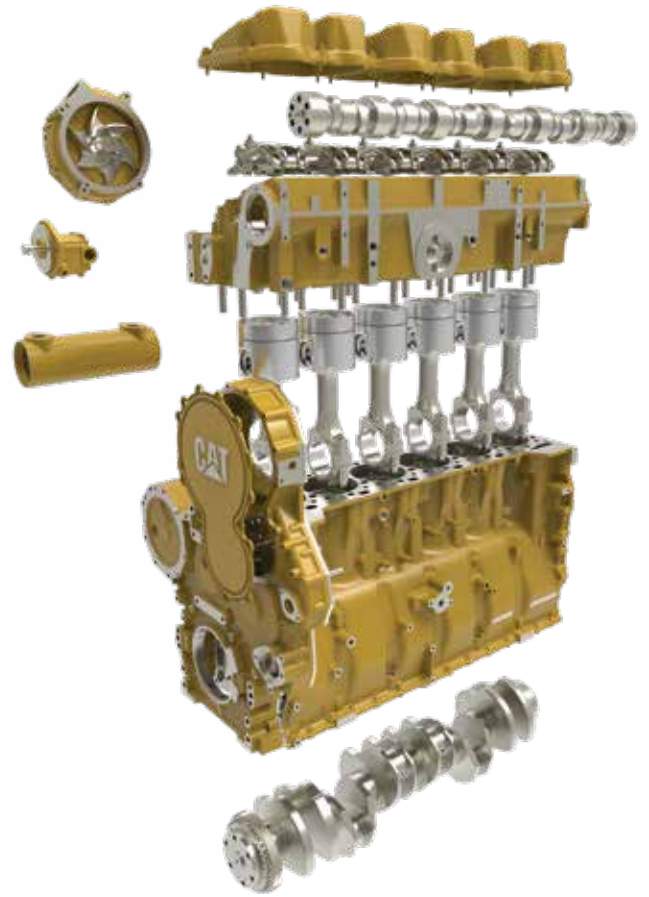
You can count on Cat Reman engine solutions to deliver like new performance on the most difficult jobs and in the most extreme conditions. That's because our cutting-edge quality, salvage, and remanufacturing techniques ensure every product meets original Caterpillar performance specifications.

### All engine components are:

- + Disassembled, cleaned, and inspected for damage
- + Salvaged using advanced techniques
- + Updated to include critical engineering changes
- + Put through multiple quality checks, including an extensive end-of-the-line test

### For complete engines, long blocks, and short blocks, we also:

- + Replace all piston rings, rubber parts, springs, seals, gaskets, and O-rings with 100% new components
- + Regrind and polish crankshaft and journal surfaces
- + Replace cylinder liners or re-hone cylinder bores to exact dimensions
- + Reassemble the final product to meet original Caterpillar performance specifications and provide like new quality



## REVIVE YOUR EQUIPMENT, REPLENISH THE SUPPLY

### VALUABLE PRODUCTS. SUSTAINABLE BENEFITS<sup>2</sup>.

At Caterpillar, we're dedicated to protecting not just your equipment but also the valuable resources that make its production possible. We contribute to the reduction of waste and greenhouse gas process emissions through our remanufactured offerings.

A steady flow of used, viable cores moves from customers like you to authorized Cat dealers to our remanufacturing facilities — where they exit as like new Cat Reman products. Compared to manufacturing new components, the remanufacturing process uses **65-87% less process energy<sup>2</sup>, 80-90% less new materials by weight<sup>2</sup>, and emits 65-87% less greenhouse gas (CO<sub>2</sub>) process emissions<sup>2</sup>.**

# HOW YOUR CORE REDUCES YOUR COSTS

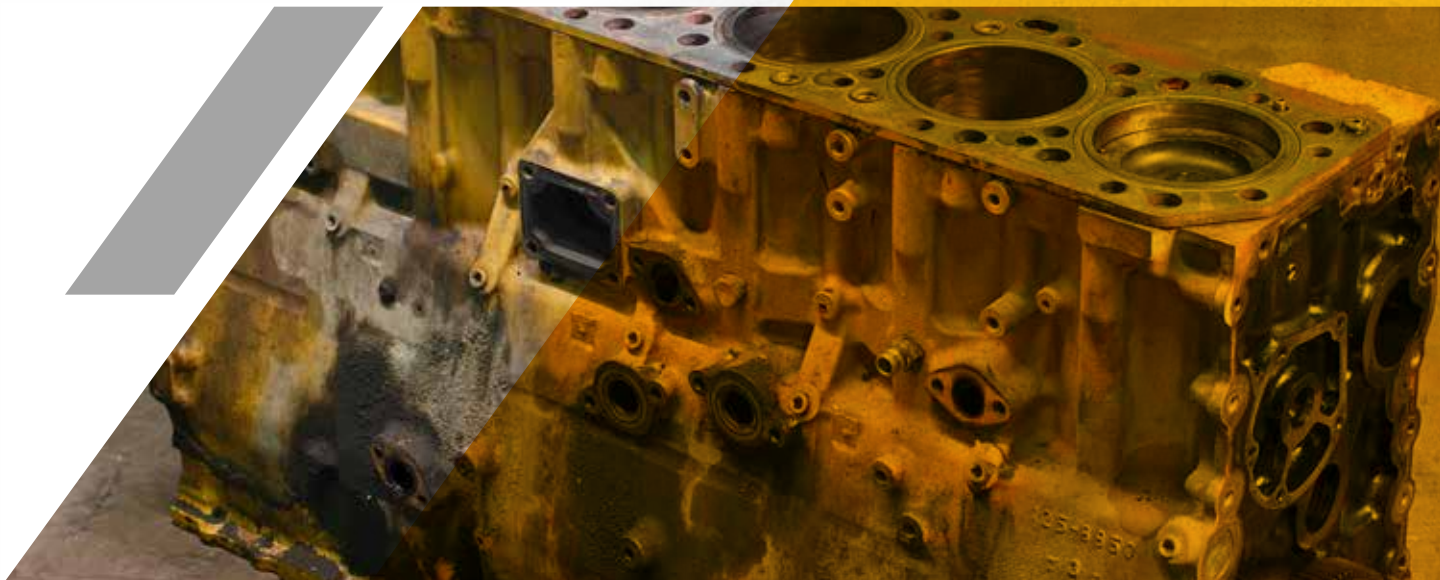
## EXCHANGE A VIABLE CORE FOR A CAT REMAN COMPONENT

Our remanufactured products program runs on an exchange basis. When your engine reaches the end of its life and you purchase a Cat Reman replacement, you can return your core to your Cat dealer in exchange for core deposit refund.

**Your dealer inspects your used/end-of-life core to determine its condition. This determines the amount of your core deposit refund. In most cases, you receive full or partial refund<sup>3</sup> for cores that:**

- + Are fully assembled and complete
- + Are not visibly cracked, broken, or welded
- + Display no non-operational damage, mishandling, excessive rust, corrosion, or pitting
- + Have an acceptable Cat part number

Dealers and customers may disassemble and inspect a core if required for proper failure analysis. To receive a refund, it is essential for the component to be reassembled and demonstrate that it still meets the Core Acceptance Criteria with no damage caused by the disassembly.





## REMANUFACTURED TO LAST. BACKED BY A CATERPILLAR LIMITED WARRANTY<sup>1</sup>.

ALL CAT REMAN ENGINE COMPONENTS ARE PROTECTED UNDER OUR SAME-AS-NEW, 12-MONTH CATERPILLAR LIMITED WARRANTY<sup>1</sup>. OUR COMPLETE CAT REMAN ENGINES ARE BACKED BY A CATERPILLAR LIMITED WARRANTY<sup>1</sup>. EVERY ENGINE AND ENGINE COMPONENT WARRANTY<sup>1</sup> COVERS AGAINST CATERPILLAR DEFECTS IN MATERIAL AND/OR WORKMANSHIP.

Reach out to your dealer to learn more about the warranty, core exchange, and other Cat Reman details. With a variety of remanufactured engines and engine components, we can help you find the right solution for your application.

**Explore additional information, resources, and repair options at [www.cat.com/reman](http://www.cat.com/reman).**

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

<sup>2</sup> Represents 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.

<sup>3</sup> Core Acceptance Criteria (CAC) vary by component and are subject to change. Partial core refunds are available for some Cat Reman components. See your Cat dealer for specific information.