

Full Truck Rebuild



A Cat® Full Truck Rebuild is good for business. It allows you to restore your trucks and their components to like-new condition with new warranties and—with a Cat Certified Rebuild—new serial number, all at a fraction of the cost of a comparable new machine. And you can customize your rebuilds to suit your needs. It's the smart way to maximize your investment and keep your business moving forward.

Three reasons a Full Truck Rebuild makes sense

1. > Cat Large Mining Trucks are built to be rebuilt

- Improve asset availability
- Maximize productivity
- Get the latest critical engineering updates
- Reuse and salvage benefits
- Optional upgrades and enhancements
- Maintain familiar machine size and technology
- Choose rebuild options for trucks at any life stage

2. > Extends machine life beyond 100,000 hours

- Your truck is issued a new serial number (for Cat Certified Rebuild only)
- All replaced parts are covered by a Caterpillar warranty
- You enjoy full benefits of your asset's planned second life

3. > Maximizes the return on your investment

- A full truck rebuild can cost between 60-65% of a new truck
- Cost-effective alternative to new fleet replacement
- Rebuilt trucks have a higher resale value
- Flexible financing is available from Cat Finance

What can you expect from a Full Truck Rebuild?



- As many as 350 tests and inspections
- Automatic replacement of as many as 7,000 parts
- Only genuine Cat parts used
- Standard twelve month parts warranty on all replaced parts
- Work carried out by factory-trained dealer service professionals
- Optional Cat Product Link upgrades (standard feature for Cat Certified Rebuilds)

A Full Truck Rebuild offers you so much more than a rebuilt piece of equipment. Thanks to Caterpillar warranties and the support of the largest dealer and parts distribution network in the world, it also increases the value of your equipment.

Your choice of extended coverage

For Cat Certified Rebuilds, you can also choose an extended coverage.

1 year or 6,000 service hours • 3 years or 5,000 service hours • 2 years or 10,000 service hours

Regardless of the rebuild you choose, if one of the genuine Cat new or Reman parts used in your rebuild proves to be defective, the part will be replaced and any resultant damage to other Cat parts is also covered.

Count on the Caterpillar Rebuild process

To ensure the highest standard of work, your Cat dealer adheres to recommended rebuild guidelines and quality assurance procedures. Nevertheless, rebuild specifications can be customized to meet your requirements.

A rigorous 10-step process



Step 1. Inspection/Evaluation

Full Truck Rebuilds involve up to 350 tests and inspections. To begin with, fluid analysis, visual inspections, maintenance reviews and S•O•SSM analysis services are carried out to determine a customized rebuild plan and an accurate cost estimate.



Step 2. Disassembly

All hoses, belts, seals, gaskets, bearings, knobs, wiring, switches and gauges will be replaced with new parts. Remaining parts are inspected and measured against strict reusability guidelines. Any parts that don't meet the guidelines are either replaced with new or Cat Reman parts, or reconditioned to meet specifications. Approximately 7,000 parts are replaced in a Full Truck Rebuild.



Step 3. Reconditioning

Frames are examined and, if necessary, straightened, welded and reinforced. Worn linkage pins and shaft bearings are replaced. Hydraulic systems are returned to their original levels of performance, reliability and cleanliness. Electronic control modules and software are replaced.



Step 4. Engineering Updates

Improvements introduced after the original date of manufacture are incorporated.



Step 5. Power Train Parts Inspection and Testing

The engine, fuel system, transmission, torque converter, differential, final drives and radiator are inspected, reconditioned and updated with new or qualified parts. Each component is thoroughly bench tested before reinstallation.



Step 6. Reassembly

All critical torques, clearances and pressure settings are maintained and recorded. Engine wiring and wiring harnesses are always replaced.



Step 7. Performance Testing and Adjusting

Rigorous testing ensures quality control. Standard tests include: turbocharger boost, throttle response, stall speed rpm, transmission and steering clutch response, plus hydraulic and pilot relief valve pressures. Contamination control procedures recommended by Caterpillar are implemented to maximize system cleanliness.



Step 8. Repainting

Your truck is repainted. Model identity graphics are applied and a Truck Rebuild decal is issued.



Step 9. New Serial Number or Product Identification Number (Cat Certified Rebuild Only)

Your rebuilt truck receives a new serial number or product identification number. The number identifies your truck and entitles you to a like-new standard warranty.



Step 10. Customer Evaluation

The rebuild process is complete only when the customer is satisfied with the performance of the truck in its working environment.

Guaranteed to Last



Genuine new and Reman parts are backed by our **12-MONTH WARRANTY**, so you can feel confident selecting a repair option through your Cat dealer.

Additionally, if one of the genuine Cat new or Reman parts used in your repair is proved to be defective and the cause of any resultant damage, not only would the Cat new or Reman part be replaced, but any resultant damage to other Cat parts would also be covered. Competitors typically only warranty the part they replace regardless of whether or not the part has caused resultant damage.

The Cat Dealer Difference

When you work with a Cat dealer you benefit from their unparalleled expertise. Only Cat dealers offer you the capability and flexibility to design the best rebuild for your needs.

- **Cat dealers understand Cat components.** Cat components are built to be rebuilt and only Cat dealers are trained to rebuild Cat components so they can be rebuilt again and again.
- **Only Cat dealers have the required expertise to perform Large Mining Truck rebuilds to Caterpillar standards.** Caterpillar does not share its proprietary know-how regarding critical component wear limits with 3rd party repairers.
- **Cat dealers help you avoid full component replacements.** Cat dealers know the wear limits of Cat components, which means they replace the right parts at the right time. This reduces the risk of expensive full component replacements at or before the next rebuild.
- **Cat dealers manage the risk to minimize planned and unplanned downtime.** Only Cat dealers can rebuild trucks to a standard where they perform as good as new. That means more uptime for your equipment, and your mining operation.
- **Cat dealers use Committed Planned Repair Order (CPRO) to reduce planned downtime.** Cat dealers are able to prioritize Large Mining Truck rebuilds by fast-tracking them with CPRO, which enables the highest order fill probability by the “ship-by-date”. And that means less downtime.

Cat Certified Rebuild or Dealer Rebuild?

Choose the Full Truck Rebuild option that suits you best.

Cat Certified Rebuild

- Best resale value for a used Large Mining Truck
- Restores machine to like-new performance
- Includes new serial number to reset the machine age to zero
- Latest engineering updates
- New parts warranty on all replaced parts
- Extended power train coverage

Dealer Rebuild

- Improve reliability and availability of your machine with reduced downtime
- Range of parts replacement options: new, Reman, salvage or reuse
- Mix and match rebuild levels for different components to meet your maintenance and repair needs

Contact your Cat dealer or go to cat.com/mining to find out more about how Full Truck Rebuilds can help your business move forward.

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