

VOLVO CONSTRUCTION EQUIPMENT
**FACTORY REMANUFACTURED
COMPONENTS**



MORE CARE. BUILT IN.



FACTORY REMANUFACTURED COMPONENTS RENEWED PERFORMANCE, SECURE SAVINGS

How do you know a remanufactured component will offer top performance? When it's Factory Remanufactured by Volvo! Uncompromising standards, fully tested and backed, and the latest technological updates wherever applicable – all at a price significantly less than buying new.



- When Volvo remanufactures components, we include available technical updates. This means a Factory Remanufactured Component can actually exceed the specifications of your original. You won't get this kind of value from an independent rebuild.
- When the individual components in your Volvo perform as new, you get more from your machine. More production, more cost efficiency, and more reliability. Why accept less?
- Thinking about resale value? If you were comparing two similar machines; one with components "rebuilt" to unknown specifications, and one with only Factory Remanufactured Components, which would you award higher value? Protecting future value is another way Volvo helps you achieve greater return on your machine investment.
- Volvo stands behind our Remanufactured Components with a one year full warranty. Our commitment means you can have confidence.

VOLVO FACTORY REMANUFACTURED COMPONENTS MAY NOT BE THE ONLY CHOICE, SO WHY IS IT THE BEST CHOICE?

When given the option to purchase a component renovated or repaired in a facility other than Volvo, answer these questions for yourself and the smart choice becomes clear.

- Can you be certain the other facility has complete knowledge regarding the component in question?
- Do they have the knowledge and the equipment required to analyze and evaluate the traded-in core to the same quality standard as Volvo?
- Do they have the same standards and equipment for effective cleaning as Volvo?
- Do they have access to the latest technical specifications, modifications and tooling to remanufacture to the same standard as a new Genuine Volvo Component?
- Do they have specialized equipment for working to Genuine Volvo tolerances?
- Do they have a test bench, for thorough testing prior to delivery?
- Have all rejected parts been replaced with only Genuine Volvo Parts?

- Do they offer (and stand behind) the same warranty as when you buy a Factory Remanufactured Component from Volvo?

It's easy to see how Volvo Factory Remanufactured Components are the wise choice – the ONLY difference from a new Genuine Volvo Component is price!



ACTING IN SUPPORT OF THE ENVIRONMENT

Volvo's machines are built to operate with the smallest possible effect on the environment. Factory Remanufactured Components are a natural extension of this commitment. By creating an "eco-cycle" – whereby old parts are renovated to the same condition as new – we contribute to environmental initiatives that benefit everyone.

At Volvo we believe that environmentally sound practices are more than just good for our planet, they are good business for our customer; offering competitive advantage as well as peace of mind.

- Factory Remanufactured Components have less environmental impact since they have been recycled.
- A Factory Remanufactured Component **can reduce energy consumption by more than 70 %** compared with manufacturing a new component.
- Up to 80 % of the material in a Factory Remanufactured Component is re-used, which reduces the need for new natural resources.
- Volvo Factory Remanufactured Components are remanufactured according to ISO 14001 (Environmental) standards.



PRODUCT RANGE OFFERED BY VOLVO CONSTRUCTION EQUIPMENT

DESCRIPTION	COMPACT WHEEL LOADERS	WHEEL LOADERS	BACKHOE LOADERS	COMPACT EXCAVATORS	WHEELED EXCAVATORS	CRAWLER EXCAVATORS	ARTICULATED HAULERS	MOTOR GRADERS
ENGINE								
CYLINDER HEAD								
CRANKSHAFT								
COOLANT PUMP								
RADIATOR								
FUEL INJECTION PUMP								
INJECTOR								
TURBOCHARGER								
ELECTRONIC UNIT								
ALTERNATOR								
STARTER MOTOR								
TORQUE CONVERTER								
TRANSMISSION								
DROP BOX								
DIFFERENTIAL								
AIR COMPRESSOR								
HYDRAULIC CYLINDER								
HYDRAULIC PUMP								
HYDRAULIC MOTOR								
AC COMPRESSOR								
AXLE								

- Valid Range
- Only for Volvo L330C/D and Volvo L350F
- Only applicable for Volvo Engines

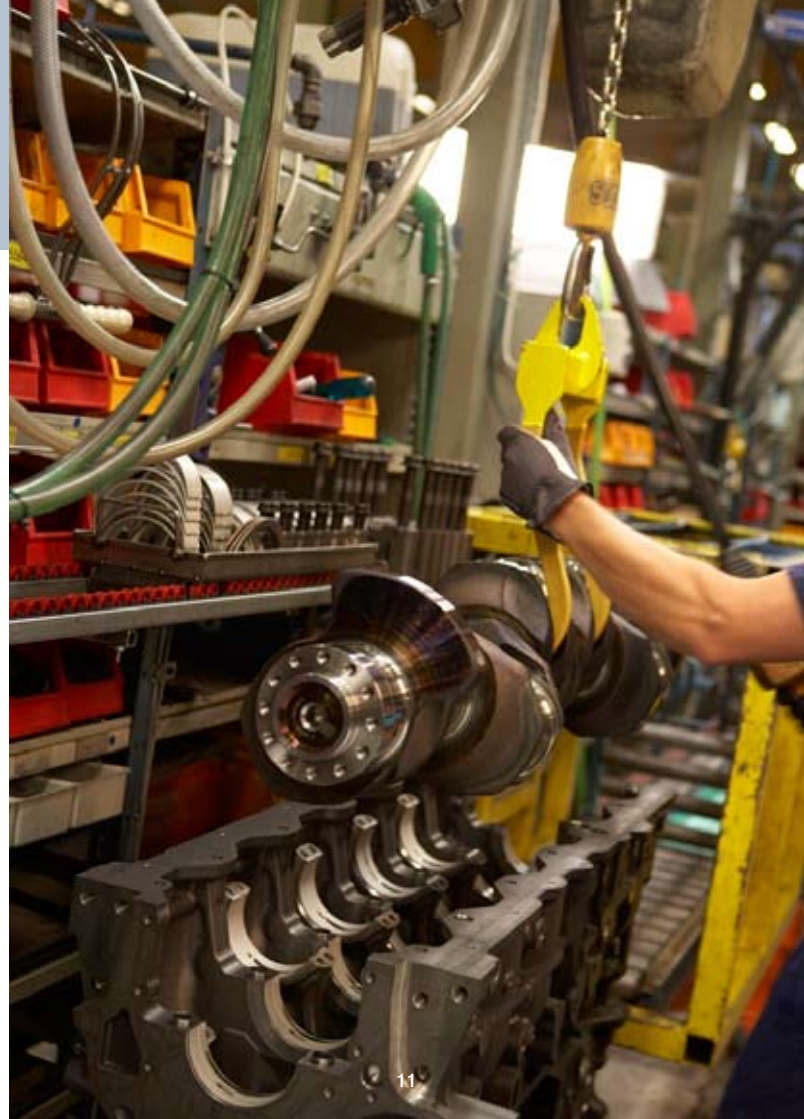


Contact your local Volvo dealer for information regarding regional availability of Factory Remanufactured Components.

HOW YOUR FACTORY REMANUFACTURED COMPONENT IS EQUIPPED

- **Engines:** Engines are complete and ready to be mounted at delivery, with the exception of alternator, starter motor and compressor.
- **Crankshafts:** Bearing kits are included.
- **Coolant pumps:** Gaskets or O-rings are included.
- **HT transmissions:** Delivered with torque converter and cable harness when equipped with latest version of gear selector valve.
- **Other transmissions:** Delivered with torque converter.

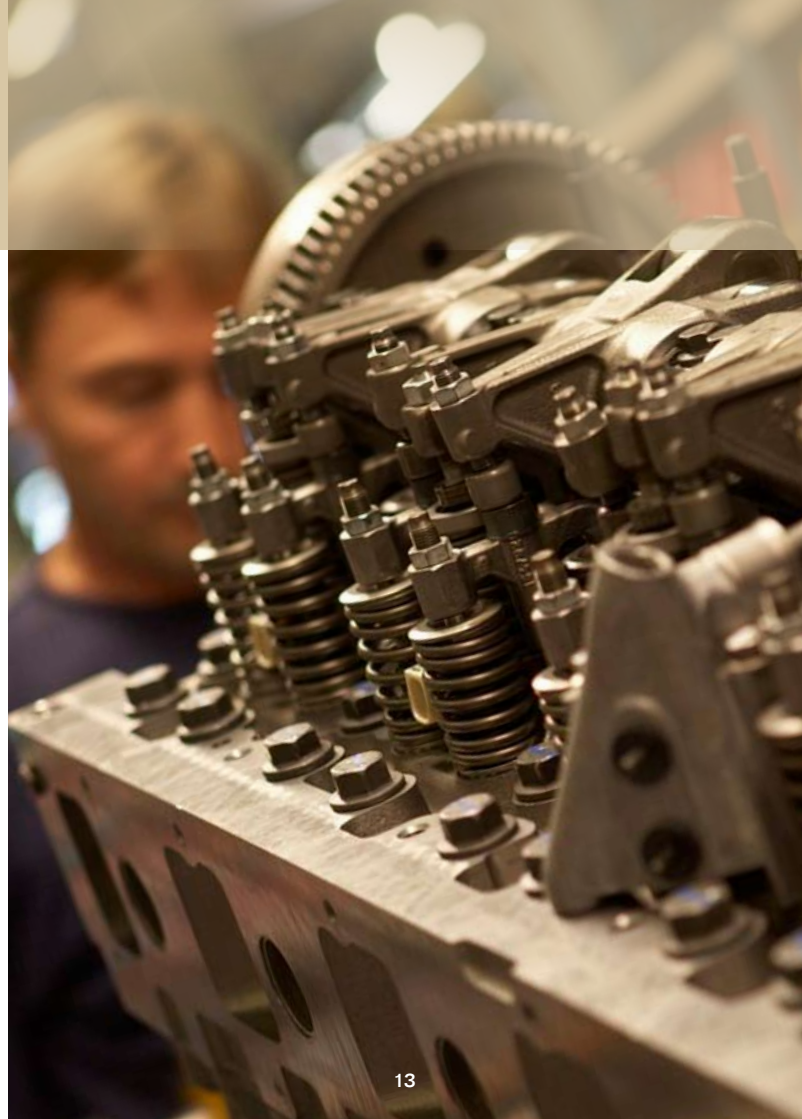
Note: Always contact your local Volvo dealer to get information how your component is equipped.



PREMIUM VALUE FOR YOUR MONEY

Plan your way to savings

- Take a proactive approach - order a Factory Remanufactured Component from your Volvo dealer when advanced wear is evident.
- Your component will be quickly available at your dealer, thanks to our effective distribution network. Upon replacement, you leave the worn core with your Volvo Dealer for factory remanufacturing.
- Your machine returns to work with a Factory Remanufactured Component that will perform as new – but at a lower price. The value of this will sustain your business far longer than a repair or simpler overhaul.



EVERY PART WILL BE LIKE NEW

We don't just restore the component to "as new" condition. We update it with any technical improvements that have been introduced into the latest production.

That's why the value of Volvo Construction Equipment remanufactured components can only be compared to the price of a new genuine component, never with the costs of a repair or a simpler rebuild.

1. Registration

The incoming core is identified and registered. Only complete Genuine Volvo Components included in the remanufacturing program will be accepted.

2. Disassembly

The component is completely dismantled and thoroughly inspected. All wear parts are scrapped immediately. Other parts with visible damages are removed from the core and scrapped.

3. Cleaning

To be able to analyze and then restore the component to "like-new" condition, a complete cleaning operation with special equipment is undertaken.

4. Inspection of worn parts

A qualified technician measures and analyzes the parts and reports those which require replacement. All parts that are damaged or do not conform to Volvo wear tolerances, minimum permissible thicknesses or diameters are discarded and replaced with Genuine Volvo Parts.

5. Replacement of worn parts

The most common cause of wear, inferior performance, or failure of a poorly reconditioned component is dirt particles. At the cleaning and drying stations in the Volvo Construction Equipment remanufacturing, components are thoroughly inspected to ensure all contamination is eliminated.

The component is reworked and updated with any technical improvements introduced into the latest production. Total remanufacturing requires the same know-how, resources and thoroughness as new manufacturing.

6. Assembly and testing of the finished unit

The dimensions and tolerances of the Factory Remanufactured Component are checked every bit as carefully and with the same quality requirements as for a factory-new component.

Each Factory Remanufactured Component has its own test protocol, ensuring that once the final component is tested and approved, it meets the Volvo quality requirement.

7. Painting and delivery

At the finish, the Factory Remanufactured Component doesn't just have the same protective performance as a new, it is also painted to give it the same protective finish. The only difference is the price.

The Factory Remanufactured Component is transferred to a Volvo parts warehouse. Thanks to Volvo's efficient shipping network, it will soon be on location at a Volvo Dealer workshop.



Volvo Factory Remanufactured Components help guarantee your machine's continued performance and good overall economy during its entire operating life. Factory Remanufactured Components are developed according to the dimension and material specifications from Volvo Construction Equipment, and therefore meet the highest requirements for safety and quality.

More care. Built in.

Under our policy of continuous improvement, we reserve the right to change specifications and designs without prior notice. Contact your dealer for further information.

VOLVO

Volvo Construction Equipment
www.volvo.com

Ref. No VOE 21A1004554 English
Printed in Sweden 2008.08-X,X CST
Volvo, Eskilstuna