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AGCO REMAN

Fendt Remanufactured Product Range



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For further information regarding the Reman Program and to view associated videos please scan the QR code.

Introduction to Reman

Remanufacturing is the art of taking old, broken, or worn parts and restoring them to a condition that is as good as new. It differs greatly from a simple repair option, as it returns to you with all components meticulously checked and replaced with parts applicable to your machine's requirements.

For you, Reman is a great option to get genuine replacements, just as good as new, with a fast turnaround time and saving you money by trading in your old unit. In addition, you contribute to the environment by reducing the ecological footprint of our parts.

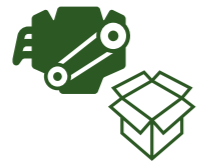
At AGCO we have been remanufacturing parts for our range of agricultural machines for over 25 years and today we have in excess of 20 centres of excellence, fully equipped and experienced in producing quality remanufactured parts to our Original Equipment specification and standards.

We have well established links with our logistics providers and an extensive range of Reman products available from stock giving you a fast, reliable and cost effective service to keep your machines up and running.

Our range of Fendt Reman parts covers everything from replacement engines and transmissions through to injectors and electronics – all backed by a full 12 months warranty. We cover machines from the 1970's through to current production models and we are continually adding new Reman parts to give our customers more choice and an improved service.



The Reman process explained



Receipt of Core

The old core from your machine will be collected from your dealer and transported directly to the OEM Reman facility.



Disassembly

At the factory, the old core is stripped down into its components. Any broken parts will be disposed.



Cleaning Process

To avoid dirt particles entering into the testing station or inside the unit, the old core undergoes a cleaning phase.



Inspection

Core components are inspected and measured against the OEM's specification. Any parts outside the tolerance will be disposed.



Replacement of wear parts (e.g. bearing, seals)

Replacement of wear parts follows. In addition, any components that fall outside the tolerance are also replaced with a new part.



Reassembly

All components are fitted back together.



Testing

The whole unit undergoes a thorough test, ensuring its performance reliability.

REASONS TO CHOOSE REMAN

Benefits to you



Reliability

- Genuine factory remanufactured parts
- Remanufactured by specialist technicians
- Performance and efficiency as good as the original



Simple and fast

- Little downtime of your machine, as most remanufactured parts are in stock
- A one out one in replacement that gets you up and running as quickly as possible
- Simply contact your Fendt dealer to get the process started



Cost effective

- Value for money: typically 30-40% less compared to the equivalent new, by trading in your used core
- Genuine replacement = genuine performance



Environmentally friendly

- Most components that pass inspection will be reused
- Disposed parts will be recycled accordingly
- Remanufactured cores are used multiple times, reducing the overall waste



Because they are as good as new, you get the same assurance you would expect if replacing with new parts. By asking your Fendt dealer to fit your Reman parts you will receive a full 12 months parts and labour warranty. **Compare that with a local repair option!**

What do you need to do?

As soon as you suspect a problem with your machine, contact your Fendt dealer.

1. Explain the problem

They are the experts, they will identify the problem, advise you of your options and offer their professional advice on what to do according to your budget and circumstances.

2. Get a quote

Your dealer will inform you exactly how much it will cost and the realistic time it will take to get you back up and running. **Make sure you enquire about the Reman option, too!**

3. Make an appointment

You can either take your machine to the dealer or they can come to you. They will arrange a date and time that is suitable for you and have the parts ready and waiting.

4. Collect your machine

Drive away with complete peace of mind knowing that the problem has been resolved and don't forget to pick up your 12 months parts and labour warranty.



Engines

Reman engines for your Fendt machines

Through our AGCO Reman Program we offer a comprehensive range of remanufactured short blocks, long blocks and complete engines for most Fendt tractors. Your Fendt dealer can help and will advise what option to go for according to your specific needs.

Your piece of mind

- Assessed and re-built at the OEM specialist Reman factory
- Only genuine replacement parts are used
- Remanufactured engines, short blocks and long blocks are built to the same standard and specification as a new equivalent
- Standard 12 month warranty from the OEM

Short Block*

- Cylinder block
- Cylinder liners
- Pistons and connecting rods
- Crankshaft
- Bearing
- Oil pressure control valve

Long Block*

- Camshaft and tappets
- Cylinder head and valves
- Valve mechanism
- Valve cover
- Timing gears
- Gear housing
- Belt/vibration dampener
- Oil pump and suction pipe
- Sump (protective)
- Balance shaft (4-cylinder engines)

Complete Engine*

- Fully assembled with the same parts as a new engine
- Upgraded to the latest specification
- Fully tested as per new engine



*can vary within part number level. Always return like for like.

Engine Components

If you need a replacement cylinder head or flywheel, think AGCO Reman. It is guaranteed to provide you with an as good as new part, with 12 month manufacturer's warranty.

Cylinder heads

Cylinder heads don't suffer the same wear and tear as the moving parts within an engine, and therefore don't require to be replaced as often. Nevertheless, through the AGCO Reman Program a large selection of remanufactured cylinder heads are available for your Fendt tractor. Typically, they are fully reconditioned and ready for assembly, with both valve guides and valve seats installed.

Flywheels

The flywheel is an essential part of the clutch system. It is bolted to the clutch pressure plate and aids the reduction of vibration from the rotating crankshaft. That's why it is so important not to choose the cheapest option on the market, as a faulty or incorrectly serviced flywheel will immediately impact on the smooth operation of gear changes and cause the clutch to wear out. You will be guaranteed that a remanufactured flywheel from AGCO Reman keeps your Fendt machine running as long as it would with a new part.



Remember, you can save between 30-40% compared to new.

Diesel Fuel Injection

When you need to replace the fuel injection equipment on your machine, always go for the genuine solution from your AGCO dealer, to ensure your machine runs reliably and at maximum performance.

Common Rail pump and fuel injection

Especially for modern electronically controlled engines fitted with common rail fuel pumps and injectors, it is critical that the fuel system runs at maximum efficiency.

The common rail pressure, typically at around 2000 bar, is very stable with the exact amount of fuel delivered at precisely the right time. The diesel particles are a fine and consistent mist in a uniform spray pattern to achieve a full and clean burn inside the chamber. If the fuel pump and injectors are not calibrated to the exact technical specifications the amount of diesel delivered will be inconsistent and cause engine misfire with incomplete burn, reduced output power and decreased fuel economy. In extreme cases too much fuel input can cause a sudden rise in cylinder pressure with potential piston damage and catastrophic engine failure.

Components remanufactured by our Service Centre:

- High pressure pump (Common Rail)
- Fuel Injectors (solenoid valves) + nozzles
- Fuel lift pump

How to ensure reliability of your fuel injection system:

Always use high quality diesel fuel – poor quality fuel has a higher particle/debris count and will cause premature wear and failure of the pump and injectors.

Use genuine air and fuel filters – change them according to the published service schedule. Poor quality filters allow debris to pass directly into the fuel system and cause failure.



Turbocharger

Do not underestimate the cost of installing a non-genuine turbo!

The turbocharger is an essential part of your machine's performance. It spins at a phenomenal 360,000 rpm and at temperatures exceeding 750 degrees, so any minor problem could have a major impact on performance, efficiency, fuel economy and emissions.

Why you should choose genuine:

- Assurance of turbo being perfectly balanced
- Turbo runs at the right speed and at the right temperature
- Assurance of maximizing your machine's efficiency and therefore reducing harmful CO₂ and NOx gas emissions
- OEM quality
- A genuine Reman Turbo provides you with an economically sensible solution, without compromising on quality.

Check the cause of failure!

Ensure that the main problem is identified before the new replacement turbocharger is fitted.

What to do to increase the life of your turbocharger:

- **Oil type:** ensure you use the recommended type of oil. It must be clean and of high quality.
- **Lubrication:** ensure the right amount of oil is always present to avoid low oil pressure.
- **Rotation speed:** turbos can overheat if engines or turbos are not calibrated correctly. Ensure it's being corrected by your dealer.
- **Maintenance:** always ensure that the correct service is carried out according to OEM specification and genuine parts are used. Your dealer knows how to do this.



Rotating Electrics

Our Reman Program gives you the opportunity to buy genuine starter motors and alternators through your Fendt dealership at about a third less compared to new, but providing you with a part that is as good as new. Our certified Service Centres of Excellence have been specialising in remanufacturing starter motors and alternators since 1995. All re-built components will have undergone a process according to strict performance specifications, using high quality materials and components. A process you can trust. Ensure that you choose a genuine replacement for these essential units to avoid damaging your machine and incurring high repair costs.



The risks of using non-genuine starter motors

- You may experience difficulties with starting the engine
- A non-genuine starter motor may wear more quickly
- Using the incorrect starter motor may interfere with electronic units
- A starter motor requires very high voltage to turn over the engine. A non-genuine unit may not provide the necessary current
- Unnecessary pollution of the environment

The risks of using non-genuine alternators

- Your battery may be undercharged, causing loss of performance
- Your battery could be overcharged, reducing battery life
- A non-genuine alternator may wear more quickly, resulting in battery power loss
- The electrical equipment may not be sufficiently supplied with power

The Remanufacturing process:

1. - **Complete disassembly** into all individual parts and thorough cleaning of all mechanical components
2. - **100% replacement** of parts such as bearings, bolts, brushes, pinions, insulation, electric components etc
 - **Visual inspection tests** and surface treatment
 - **Electrical and mechanical tests**
 - **Examination and strength tests**
3. - **100% final inspection and approval** as Reman unit (shape, appearance and functionality must be in line with original specification)

Transmissions

Genuine AGCO Reman Continuously Variable Transmissions (CVT)

Our Reman Program is available for an extensive range of Fendt machines. All used Fendt CVTs are remanufactured in our purpose built facility in Marktoberdorf, Germany.

What happens in the remanufacturing process

1. All used cores undergo an initial inspection before full remanufacturing can start
2. All components are disassembled, cleaned, inspected and measured against latest OEM specifications
3. Specialist technicians replace broken components and wear parts with new genuine parts
4. Once fully assembled, the core is tested to its engineering requirements to ensure reliability and performance

Did you know?

- At our plant in Marktoberdorf, 23 highly qualified technicians ensure a continuous supply of remanufactured Vario transmissions
- On average, 2,500 CVTs are being serviced yearly (world wide)
- 85% of all CVT components are produced in-house, ensuring high quality control of vital components
- Fendt has so far invested into 5 testing stations (soon to be 6), for bespoke performance tests. No one else in the world have this amount of test benches.



Your peace of mind –
24 month warranty on the complete unit
 A fully functioning, Fendt approved and cost effective solution for your machine.



Clutch

Clutch Discs – a vital component of your tractor

All parts and components offered within our Reman Program are genuine. The same applies to clutch components for your Fendt machine. A tractor clutch is exposed to very high friction temperatures, which can reach up to 400 degrees (on a 200hp tractor) and therefore high quality materials are paramount to withstand this force. This reason alone should encourage you to make the right choice every time you need to replace your clutch.

Components offered within our Program

- Clutch disc
- Dual clutch
- Pressure plate
- Coupling

Risks of using non-genuine clutch components

- Lower quality friction material will cause slippage under full load
- Premature wear and increased fuel consumption
- Clutch discs are not aligned with machine specification and may not provide sufficient stop torque
- Transmission rattling noises and potentially increased transmission wear due to insufficient dampers
- Increased vehicle down time, higher running costs and shorter service life

The Remanufacturing process:

1. – Used parts undergo strict test criteria
2. – All components are thoroughly cleaned
3. – Professional disassembly of all components
4. – Diagnosis of defective components and replacement as required
5. – Functional testing and sign off



Cooling

Reman Water Pumps

On some Fendt models with MAN engines and AGCO Power engines, we can offer an AGCO Reman water pump. The water pump in your tractor has got a very important role – it keeps the coolant in the engine circulating, to prevent the engine from overheating. Through the AGCO Reman Program you can be sure that every part of your water pump is of genuine quality and does not jeopardize the performance of your machine.

The Reman Program offers you a great alternative to new. No compromise to quality or functionality. As good as new, remanufactured by our expert technicians at the OEM factory.

When does a water pump need replacing?

- **Is your water pump leaking coolant?**
It might be due to a bearing failure.
The likelihood is that the seal within the bearing is not working properly. Solution? Replace the pump.
- **Is your water pump becoming noisy?**
Check the rotating shaft.
Due to a worn bearing, the rotating shaft may be difficult to turn. Check it by turning the pulley by hand. If it doesn't turn smoothly, it's likely a bearing issue. Solution? Replace the pump.
- **Is your engine overheating?**
It might be a failing impeller.
It can't easily be identified from the outside. The blades within an impeller can be made of plastic, in which case the blades would break off. Or the blades can corrode away if they are made of steel. As a result of this impeller failure, the engine is overheating. Solution? Replace the pump.



Hydraulics

At AGCO Reman we continue to improve the offering of remanufactured hydraulic parts for your Fendt machine. Check with your local Fendt dealer on which solution best suits you.

Often these units are safety critical, so why take the risk if there is a more cost effective AGCO Reman solution, knowing you have the peace of mind that comes with a 12 month warranty.

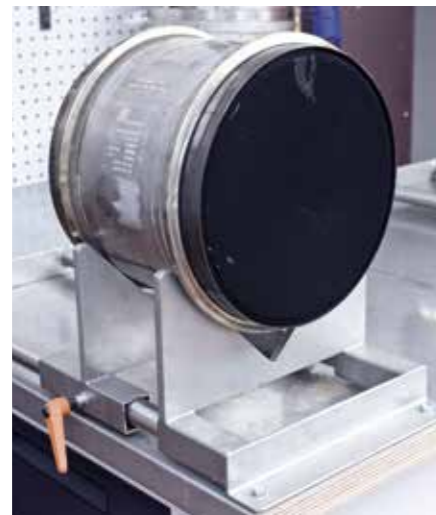


Exhaust treatment

Choose a genuine REMAN option from AGCO as your aftermarket choice for your peace of mind and a longer engine lifespan

REMAN Diesel Particulate Filters (DPF)

For all Fendt Vario series (500, 700, 800, 900) our Reman Program offers a factory approved DPF cleaning service through our associated Service Centre of Excellence. To allow the passive regeneration of a Diesel Particulate Filter to function correctly (by burning the tiny carbon particles coated in oil residues) even after the cleaning process, it is crucial that the filter undergoes specialist care and treatment.



How does a blocked filter affect your machine

- Performance inefficiency
- Deteriorating fuel economy
- Overheating of the engine
- Potentially expensive repairs
- Longer machine downtime



The cleaning procedure

- DPF is checked for outer physical damage
- Filter undergoes multiple cleaning stages
- Sensor testing for internal damage
- All wear parts, such as clamps and seals are replaced
- Emission Test and approval phase

REMAN Diesel Particulate Filters (DPF)

Your filter after regeneration

- ✓ Meets current emissions standards (Level 5)
- ✓ Quality and performance are not compromised
- ✓ Without any residual pollutants
- ✓ Catalytic function is retained
- ✓ Ensures optimal fuel consumption
- ✓ Reduces harmful gases to the atmosphere

How to contribute to a longer DPF-life span

1. **Oil/fuel filter:** use genuine and replace regularly
2. **Injectors/fuel pump/turbo:** use genuine parts to avoid early breakage
3. **Type of oil and fuel type:** use types recommended by the manufacturer

REMAN Supply Units (AdBlue Systems)

For all Fendt Vario/SCR/S4 with Selective Catalytic Reduction (SCR) exhaust technology, we are offering a Reman solution for supply units, which is handled by our associated Service Centre of Excellence. Only with a perfectly functioning dosing system does the catalytic system work exactly as it should.



Electronics

You can be assured that all AGCO Reman electronics conform to the latest OEM specification – so if there's an upgrade available, it will also be included in the Reman process. If you order, for instance, an AGCO Reman dashboard, electronic box or guidance system, we'll ship one out to your dealership next day and you're back up and running. Make sure to send your old one back through your dealership. Thanks to the specialised manufacturing processes of our approved key suppliers, any electronic component will be handled with utmost care and is guaranteed to offer you the same experience as a new equivalent.

Components offered within our Program

- Control unit
- Electronic box
- Regulator
- Terminal Displays
- Guidance System (NT03)
- Joystick

For Electronic parts we can offer 2 service levels:

- 1. Remanufactured parts**
Through our standard Reman exchange program.
- 2. Repair parts**
If exchange is not possible, we can quickly and easily collect your broken parts, ship them direct to our suppliers and return them back to you fully working and guaranteed. It's the same quality as Reman, you just get the same unit returned.



Heritage Parts

Don't forget – we also offer a range of Reman parts for your oldie

Even for the older Fendt generation – may it be from the Farmer 300 series or Favourit 600 LSA/LS series – we offer a range of remanufactured parts at affordable prices. Check with your Fendt dealer what genuine Reman parts are available to you.



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The
Genuine
Choice