



UNITED

# Accelerating Performance

Diesel & Petrol Fuel Injectors | Diesel Pumps | DPF/CAT/SCR | Turbochargers | Performance Upgrades

[unitedperformance.co.uk](http://unitedperformance.co.uk)



# INNOVATION. TRUST. INTEGRITY.



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## Unparalleled Service

With four generations of experience in the diesel fuel injection industry, United have the knowledge and passion to give you an unparalleled service. Since our humble beginnings, dating back to 1915, we have followed the same approach to our products and services to ensure we always provide the highest quality of service to all customers.

As a proud family business, we've worked collectively as a team to cement ourselves as reputable leaders in our field. We've become known for our fast and efficient service. What sets us apart is that we'll never sacrifice or compromise the quality of our products and service that we're known for. That's why we're always dedicated and attentive for every job and ensure you get the service you expect – and need.



# WHAT WE DO

At our dedicated workshop in Shrewsbury, we provide professional, efficient and expert testing and reconditioning of the following:

- Diesel Injectors
- Diesel Pumps
- Petrol Injectors
- Turbochargers
- DPF/CAT/SCRs
- Performance Upgrades

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## Reducing Downtime

We're known for our fast, efficient service, and we understand that when a part requires testing, repairing, or cleaning, you need it quickly to reduce downtime as much as possible.

We often blow our clients away with how fast our turnaround time is, with most jobs completed in 2 - 48 hours (we know, it's impressive!).

Although we're efficient, we never compromise or sacrifice the quality of our service.



## Technical Help

Do you ever get to the point where you can't see the woods for the trees? Give us a call and our team will help you diagnose your diesel-related problems. Our years of experience and unparalleled knowledge makes us well placed to assist in fault-finding issues.

t. 01939 291155



**TRIVIA:** Production tolerances, when producing injectors, allow for no more than 0.2 microns variation of any moving part. This is 30 times thinner than human hair.



## Free Collection & Delivery\*

Did you know we offer a speedy, free local collection and delivery service? As part of our repair, testing and cleaning service, we can collect and test your parts within 24 hours. If you are not within our collection area, we can also arrange a courier service to collect and deliver your parts back to you.

\*Our free collection and delivery service is dependent on your location. Don't hesitate to get in touch with us for more information.

# OUR INDUSTRIES

We provide a fast service that doesn't compromise on quality and support the following industries:



**The advantage of being in the industry for four generations is that we have the experience and knowledge of equipment from the 1950s to the present day.**

Whether you're refurbishing an old tractor, or need to keep your daily works vehicle running, we can help. Our workshop enables our passionate and highly experienced technicians to perform and evolve in this ever-changing market. In addition, we continue to invest in the latest equipment and technologies to ensure our services are of the highest standard and accuracy. Our goal is always to promise total customer satisfaction.

Did you know that our website is a source of technical blogs and guides?

Visit [www.unitedperformance.co.uk](http://www.unitedperformance.co.uk) to read our latest tips.

# WHAT OUR CUSTOMERS SAY

## Experts in fuel injection performance since 1992

Our expert processes and services improve vehicle performance, increase vehicle longevity, and reduce future damage and emissions. We specialise in the repair and supply of diesel and petrol fuel injectors, pumps, diesel injector power upgrades and turbochargers. We also offer a professional cleaning service for diesel particulate filters (DPF) and catalytic reduction units (CAT) fitted to cars, commercial vehicles, plant, agricultural and marine applications.

Our services help towards supporting our environment and assist you in saving money and adding towards your profitability. But don't just take our word for it...



“

“These guys here know their stuff; they just saved us £3000 refurbing 6 Volvo injectors off our Volvo loading shovel. So pleased with the service and turnaround.”

”

“United is a family-run business. All the staff are friendly, polite, and pleasant to do business with. They're knowledgeable about their industry sector and their premises are spotlessly clean, which I think is always a good insight into the professionalism of any business. Highly recommended.”

# WHY US?

## Family business with you, our customer at the heart

We're proud to be a family business, passing our knowledge and skills from generation to generation. By not being a typically corporate business, we're truly authentic, working collectively as a team towards the same goal of providing you with the best possible service.

We've been in the business for 30 years and, with four generations in this industry, hold over 60 years of experience, knowledge, and dedication.



- **Efficient and quality conscious**
- **Trained and dedicated personnel**
- **Fast service and turnaround times**
- **High stock holding – many parts ready for next-day dispatch**
- **Free collection and delivery of your parts**
- **Free KitKat chocolate with every job**
- **60+ years of experience, knowledge, and dedication to the industry**
- **Integrity and customer satisfaction are our ethos**





## Flexible, personal service at all levels

Providing a personal service is a top priority for us as a business, regardless of ranking or job role. We share the work amongst our whole team – Directors included – so you get total exposure to our level of expertise as a company, whilst ensuring queries are solved successfully – and quickly! We understand you need a service that works to the demands of your own business.

## A future-focused business that still goes back to basics

We're continuously investing in the latest equipment and researching the latest technologies to ensure we can continue to build on our services, skills, processes, and overall knowledge. Unlike some businesses, we don't rely on technology – we rely on our years of experience. We know when it's time to go back to basics, looking at the fundamentals of an engine to troubleshoot, spot issues and create a plan for a solution to your problem.



**TRIVIA: Fuel exits a high-pressure common rail injector at 1240 miles per hour.**

# OUR SERVICES

## Diesel Injectors

Automotive | Haulage & Commercial | Plant | Agricultural | Marine

Not sure if the injectors are faulty? Let us test them for you using the most up-to-date equipment. We'll inform you of the test results and advise you on what would be the best course of action to take. You can trust us never to fail an injector without good reason.

Test reports are available before and after any repair. New IMA (Injector Quantity Offset) codes will be issued, if applicable. Should the injectors be unrepairable, we can offer exchange units or the supply of new units.





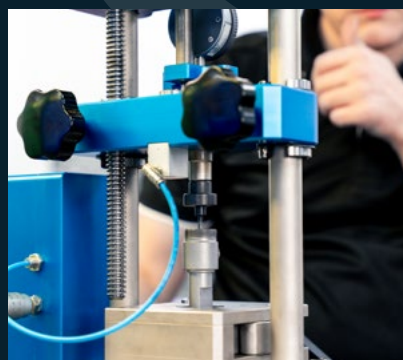


### This service will help you...

- Make an informed decision on the diagnostics of the engine.
- Obtain reports showing the 'Initial Diagnostic' and, if repaired, the 'Final Test'. This is good for showing to your customers or insurance companies, where required.
- Have peace of mind knowing that all repairs come with a 12-month warranty.
- Save money, knowing that our repaired units are considerably more cost-effective than O.E exchange units – or even new units.



**TRIVIA:** The pressure in your cars tyres is about 2.2 bar, or 32 psi. The fuel pressure in the rail and injectors is now up to 2700 bar, or 40,000 psi – this is more than 1000 times higher.



# OUR SERVICES

## Diesel Pumps

Automotive | Haulage & Commercial | Plant | Agricultural | Marine

Another area of uncertainty is trying to diagnose engine running faults by knowing the condition of the high-pressure pump. We can test high-pressure fuel pumps helping to determine their condition and whether it could be a cause. Modern fuel pumps are tested and repaired using our state-of-the-art technology and dedicated workshop.

With over four decades of experience, we can also repair older diesel fuel pumps, which is quickly becoming a rare service.







### This service will help you...

- Confirm possible faults – our speedy testing service helps reduce vehicle downtime.
- Identify and prevent additional issues in the fuel system, such as metal contamination caused by pump failure, leading to costly repairs.
- Reduce overall costs as our fault identification and repair service is more economical than just fitting a replacement unit.
- Rejuvenate classic fuel injection systems.



**TRIVIA:** Modern fuel management systems will inject fuel up to 7 times in one firing cycle. This is why fuel pressures are so high – injectors must react quickly!

# OUR SERVICES

## Turbochargers

Automotive | Haulage & Commercial | Plant | Agricultural | Marine

We offer in-house turbo testing, repair and the supply of new or exchange units. With our service, you can be confident of our professional commitment to maintaining a high-quality standard, as we do with injectors and fuel pumps.

Our VSFR (Vibration Sorting & Flow Rig) is an industry-standard developed concept that combines balancing and flow setting functions in one machine. It enables rebuilding all passenger cars and light commercial turbochargers, following the same flow-setting process as OEMs during the original manufacturing.

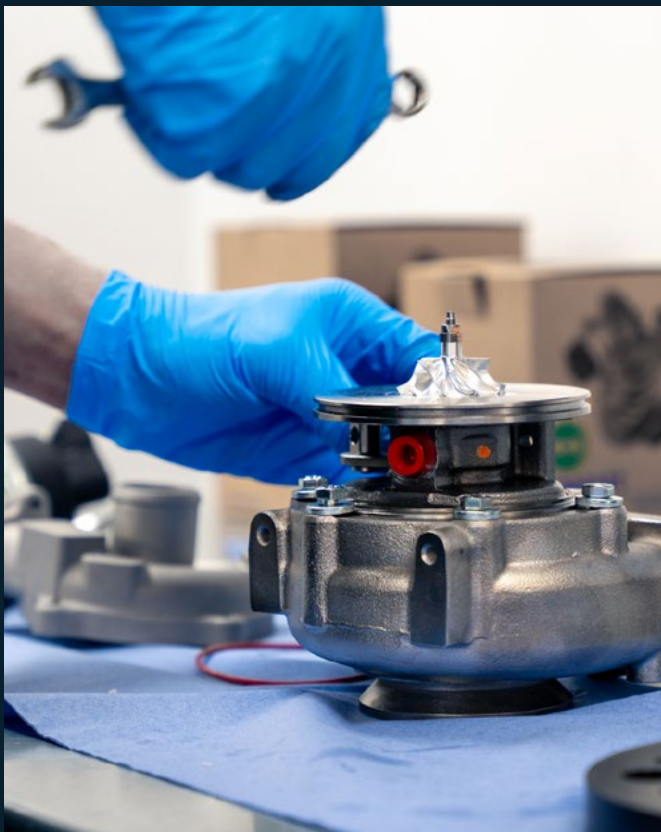
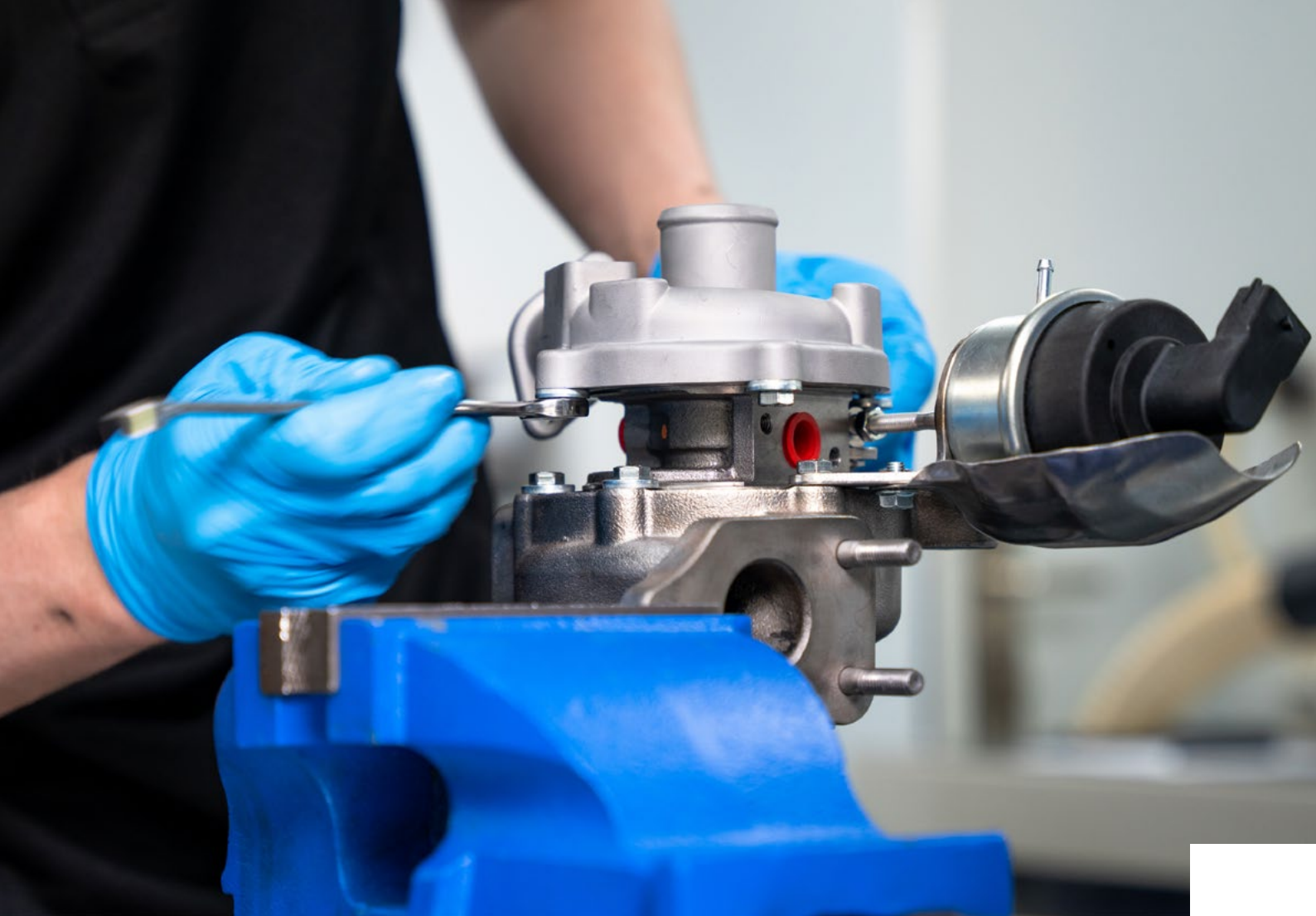
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We're equipped to test both vacuum and electronic actuators, allowing for measuring and adjusting mass airflow through variable geometry turbochargers. With all repairs, we offer an oil priming syringe and fitment gaskets where possible.



**TRIVIA:** The air entering the compressor impeller of a car's turbocharger can travel at Mach 1 – that's about 767 miles per hour!





### This service will help you...

- Identify and confirm possible faults.
- Improve fuel consumption.
- Boost performance and drive power.
- Reduce emissions.
- Save money – repairing is cheaper than purchasing a new turbo!
- Restore your turbo so it's as good as new.



# OUR SERVICES

## DPF/CAT/SCR Cleaning

Automotive | Haulage & Commercial | Plant | Agricultural | Marine

Using our market-leading technology, we provide professional cleaning and regeneration of all exhaust filters for automotive, commercial, plant and agricultural vehicles. Regular cleaning of exhaust filters improves engine performance and reduces future damage and costs. And we can do it all from our workshop in Shrewsbury.

The Flash Cleaning technology is different from any other on the market as it allows us to clean all kinds of Diesel Particulate Filters (DPF) and Selective Catalytic Reduction (SCR) units, including Euro 6 units.







### This service will help you...

- Save money by eliminating the need to replace the unit.
- Reduce downtime as this can be completed in a matter of hours.
- Boost engine performance.
- Extinguish engine management warning lights.
- Reduce future damage and the need for replacement.
- Improve the efficiency of the filter.



TRIVIA: A Boeing 747's impellers rotate at 7000 RPM. New generation turbo impellers rotate at 220,000 RPM.

# OUR SERVICES

## Petrol Injector Repairs

It's not just diesel injection systems that need regular, in-depth cleaning and maintenance. It's also essential for petrol injectors. Through regular maintenance and servicing of petrol injectors, you'll note an improvement in performance and MPG.

We offer a reliable and cost-effective petrol fuel injector cleaning and flow testing service with proven, guaranteed results. Using state-of-the-art technology, backed by our four generations of experience, we'll restore your components so they're as good as new.







### This service will help you...

- Increase performance.
- Reduce fuel consumption.
- Reduce fuel and maintenance costs.
- Reduce emissions.
- Extend the lifetime of your vehicle.
- Reduce downtime caused by additional faults.



**TRIVIA:** A typical car's turbocharger spins more than 150,000 RPM and has a blade speed on the compressor wheel of 850 miles per hour.

# OUR SERVICES

## Performance Upgrades

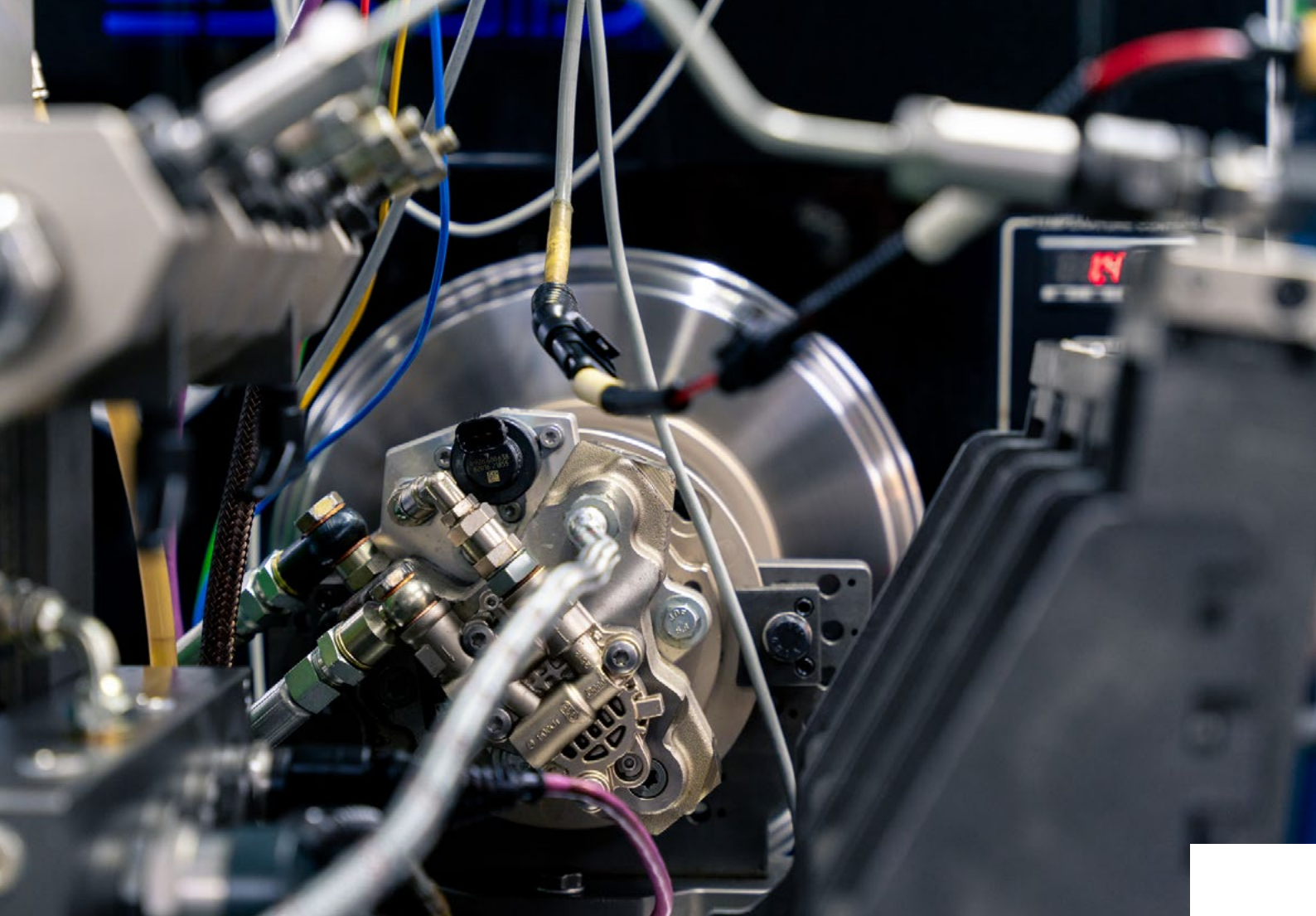
Automotive

Want to increase the drivability and performance of your vehicle? We specialise in modifying, calibrating, and supplying high-performance diesel and petrol injection components designed to meet the varied demands of the racing & performance markets.

Our bespoke injectors and fuel pumps, combined with the correct engine build and bespoke tuning, will enhance the drivability of your vehicle, resulting in that perfect drive and desire for the power rush!







### This service offers you...

- Upgrades to diesel injectors using high-flow nozzles and specialist calibration technics.
- Calibration of the injectors to ensure the flow characteristics of each high-performance diesel injector are balanced to obtain the best possible performance.
- A selection of up-rated performance injectors and pumps for various diesel engines. Some are a quick and easy fit to enjoy an increase in power and torque. Others are for the more dedicated owner and tuner that require more sophisticated engine modifications.
- A selection of ASNU Performance petrol injectors are designed bespoke and built with the ideal spray pattern to match the required flow.
- Fuel delivery and mapping charts are available on request for specific modifications.



**TRIVIA:** The quickest 1.9TDI MK4 Golf in Europe has been tuned to achieve 449 BHP with Nitrous 590 BHP. This is a long way off the factory specification of 130 BHP.

# OUR PRODUCTS

Not only do we repair units where possible, but we can also supply new for O.E. remanufactured units.

Are you looking for auxiliary components?  
We can also supply components including:

- Fuel metering valves
- Pressure sensors
- Injector leak-off connections
- Injector washers
- Performance upgrades

And much more.



## Get in touch

If you have a specific requirement, please get in touch with us today. We have access to thousands of parts and over £30 million of stock, which we can typically ship or deliver the next day (stock permitting, please don't hesitate to get in touch for details on specific stock availability).

Contact us today to learn more about our pricing, stock availability and turnaround times.

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