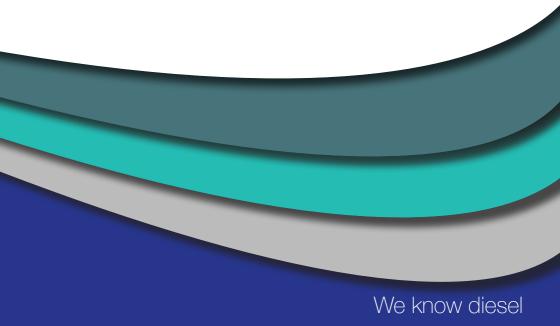


# Product Guide Spring 2019





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### Introduction

### 

Thomas Group has become known worldwide for its technical expertise and parts sales for fuel related products within the automotive, off highway, agriculture, plant, power generation, marine and construction Industries.

As an authorised distributor and repairer of OE brands such as Yanmar, Bosch, Delphi, Stanadyne and Denso, we consider ourselves specialists in the very latest common rail diesel injection technology.

Thomas Group brings its substantial diesel experience and knowledge to the Fuel

Quality, Fuel Filtration and Fuel Additive sector partnering; Parker Racor, Delphi, Stanadyne, Bosch and Mahle Brands with complete factory support.

There has never been a more critical time to look after your fuel.

Thomas Group are also delighted to launch their new John Deere Reman products in partnership with Alliant Power.

### There has been significant investment...

Thomas Injection have begun a new remanufacturing program for Denso/John Deere common rail injectors.

There should be significant cost saving with no loss of quality.

There has been significant investment in tools, software and training so that we can offer a quality product complete with fitting kits, trim codes and warranty. Part numbers and prices are available on request.

Using our modern clean room facilities, we should soon be able to expand this program to include other makes and applications.





### News

### We've changed!

As our business evolves and diversifies to take in new trends, new products and new technical developments, we have created a new, fresh image to take us forward.

We will now be known as Thomas Group with subdivisions Thomas Injection, Thomas Distribution and Thomas Classic.

## THOMAS INJECTION

Thomas Injection is where our skill and experience, enables us to test, repair and service most types of fuel injection equipment.

## THOMAS DISTRIBUTION

Thomas Distribution will represent our growing OE parts sales division.

## THOMAS CLASSIC

Thomas Classic will be a dedicated outlet for all historical fuel injection parts.

We have spent some time studying the level of service that modern customers require so we can meet and exceed their expectations.

After all, where would we be without our customers?

The design of the new branding includes a variety of formats to cater for the range of marketing platforms, from web, social media, print and signage.



Company Directors outside Thomas Group Head Office (From the left) Kevin O'Sullivan, Sophie Reed, Neil Eldridge, Richard Thomas.

## THOMAS GROUP

New logo - It was time to bring the Thomas brand into the 21st century, to coincide with the launch of our new web shops and web site.



### News

### Introducing Our New Web Site & Web Shops









We would like to introduce you to our web shops. Diesel Parts Direct (DPD) will include all makes of OE parts for next day shipping when possible. This shop will expand rapidly as new parts and product ranges are added. Delphi Parts Store is dedicated to original Delphi parts.

Both shops are built to be as customer friendly as possible and to be available on any device 24/7. Accounts can be opened by UK trade customers with your own price files. You get the choice of payment and shipping methods. We will always value feedback as this helps us to continue to improve.

The new Thomas website has been designed to showcase our expertise, knowledge and history. There is also interesting facts, news stories, and links to our webshops, forms and downloads to additional information of your choice.

### Other news

### Yanmar Common Rail Injectors

This new repair exchange program is also expected to be ready by Q1 2019. Core and parts are currently being sourced. We hope to be able to offer test & check and have exchange products on the shelf for next day delivery by the end of January.

#### Parker Racor

Cross reference is now available for a greatly enlarged range of fuel, oil and air filters for the truck, ag and industrial market. Headers, primers, bowls and all other components of filter units are available as separate items.



Thomas Injection has been in the business of service and repair of fuel injection equipment for over 40 years.

In that time, we have worked closely with the world's leading manufacturers like Bosch, Delphi and Denso. We also specialise in Yanmar, Stanadyne and Siemens VDO.

Investment in training, tooling and software is always ongoing and our modern workshop keeps pace with new technology. We like to ensure our customers get cost effective repairs, using OE products and parts, and comprehensive warranty.

Our aim is to create repeat customers by offering first class technical support, a timely repair at a reasonable cost.



We are always happy for you to visit us and discuss your requirements.





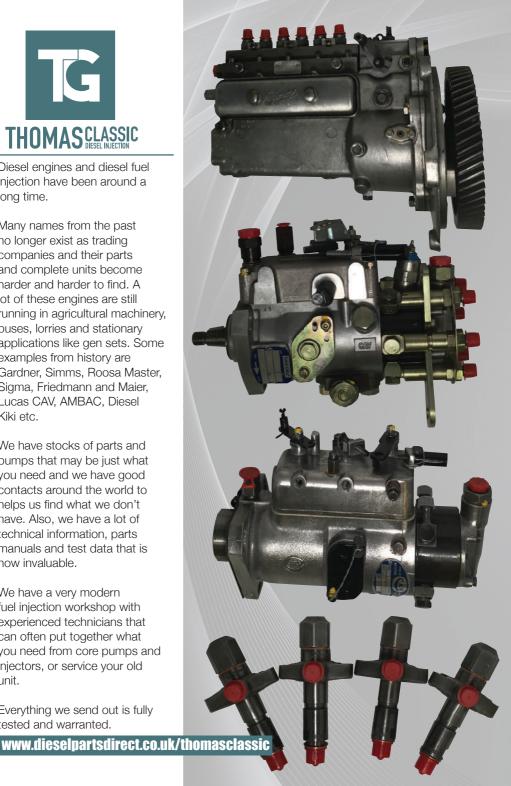
Diesel engines and diesel fuel injection have been around a long time.

Many names from the past no longer exist as trading companies and their parts and complete units become harder and harder to find. A lot of these engines are still running in agricultural machinery, buses, lorries and stationary applications like gen sets. Some examples from history are Gardner, Simms, Roosa Master, Sigma, Friedmann and Maier. Lucas CAV, AMBAC, Diesel Kiki etc.

We have stocks of parts and pumps that may be just what vou need and we have good contacts around the world to helps us find what we don't have. Also, we have a lot of technical information, parts manuals and test data that is now invaluable.

We have a very modern fuel injection workshop with experienced technicians that can often put together what vou need from core pumps and injectors, or service your old unit.

Everything we send out is fully tested and warranted.





Our primary aim at Thomas Distribution is to supply first class products to our customers along with a first class service. Our intention is to convert all of our first-time enquiries to long-term customers. We can only do this by giving our customers the best possible service.

We represent most original equipment manufacturers in the diesel fuel injection industry, including well-known names such as Bosch, Siemens VDO, Denso, Delphi, Stanadyne, Parker Racor, Hopkins and Alliant Power.

Our experienced parts personnel are excellent at finding the most obscure products, even when those products are old or obsolete.

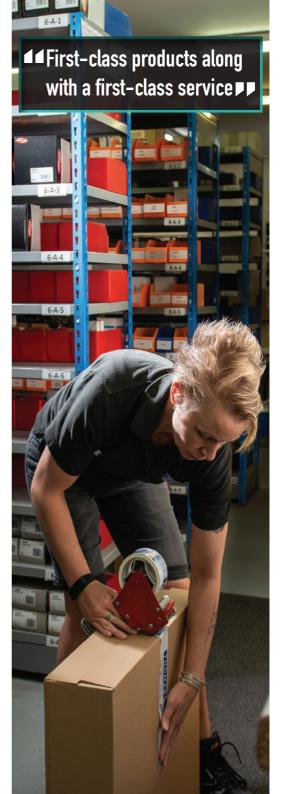
Our intention is to give our customers choice of how you want to buy...

- Online, by Phone, Fax, or Email.
- Choose how you want to pay...
   Credit Account, PayPal, Credit Card, or Bank Transfer.
- Choose how you want us to ship... Next Day - Signed For - By Pallet, or Collect.











Real-world success certifies Diesel Additive as the Premium Choice in Fuel Additive

THE FUTURE IN DIESEL ADDITIVE

Trials with Wakefield Council have led to significant improvements in fuel economy and emissions

Everyone is entitled to their own opinion of a new product launched on the marketplace. But quantifiable facts gleaned from real-world testing of the product in question are undeniable.

Results speak for themselves. Analysis of data from over 8,800 fuel fill-ups for the 500-strong fleet revealed a significant fuel saving of 2.12%. In addition, 100% of vehicles selected for emission testing showed considerable reductions, which in today's environment bodes well for both the transport industry and efforts to achieve ambitious government targets for air pollution.

Pete Johnson, Service Manager for Transport Services Wakefield Council. commented:

"The trial has given very positive results and fuel savings based on robust data. This, along with the reduction in emissions, means the trial was a resounding success."

Long-term continual use of Diesel Additive will also add further benefits. Improved engine performance will be gained as the high-quality additive will remove the build-up of internal diesel injector deposits (IDIDs) to protect against power loss and even restore lost power over time. Furthermore, by providing constant lubrication, Diesel Additive has been proven to extend the life of engine components by protecting against the degradation of the fuel injection system. In doing so, vehicle operators can expect reduced maintenance costs, protect their fleets and maximise the return on their investment.

For the premium choice in fuel additive, select FuelBright Diesel Additive for your fleet today.

If you are interested in re-selling or for more information call us on 01233 642816



### FuelBright Additives

If fuel is the lifeblood of your engine, then the fuel injection system is the beating heart. Modern engines are sophisticated.

Driven by the need for lower emissions, fuel injection systems now cope with much higher pressures, temperatures and voltages. This gives the user a cleaner, more efficient and more powerful machine. None of these systems work to their full potential if the fuel in the tank is not of the highest quality.

FuelBright additives have been created using over forty years of experience in the fuel injection industry. They have been tested in real working environments and data regarding theses tests are available upon request.

Our Diesel Additive Complete Fuel Treatment will optimise the performance and efficiency of your engine. By increasing the cetane rating of your fuel, you enable a more complete burn of your fuel in the cylinder. The benefit is more power, better starting and reduced emissions.

The additive will work to remove carbon deposits from your cylinder valves and injector nozzles. It will also clean tanks and fuel lines preventing organic growth.

As a concentrated lubricant, the additive will coat your moving components, preventing wear and reducing future expensive maintenance.

The additive will lower your cold pour point

giving you winter protection by preventing the fuel from waxing in extremely low temperatures.

In short, Diesel Additive Complete Fuel Treatment, will save you money by making your engine more economical and extend the life with reduced wear.

Seasonally used engines, like pleasure boats and agricultural equipment, often suffer with organic growth in their fuel tanks. This occurs when engines are not used regularly allowing bacteria to grow.

This growth can severely damage expensive fuel systems on start-up if tanks and lines are not fully cleaned.

#### Diesel Biocide

FuelBright Diesel Biocide will destroy any in-tank growth, cleaning the tank and lines, allowing the debris to be collected by your fuel filter.

This product is only for professional use. After cleaning, we recommend you use Diesel Additive Complete Fuel Treatment for prevention in future and to gain the benefits.

Are you thinking about your fuel quality?
We are!



## **DIESEL**ADDITIVE

**Complete Fuel Treatment** 

- Increased Economy
- Better Performance
- System Cleaner
- Extra Protection
- Winter Care

01233 642861

WWW.FUELBRIGHT.CO.UK







### Allied Products



#### Kolor Kut

Kolor Kut water finding paste, otherwise known as Water Guaging Paste, is used to test for the presence of water in the bottom of oil, diesel, petrol, fuel oil, and kerosene tanks.

#### What you do

- Place a thin film of Kolor Kut Water Finding Paste onto a clean gauge line or rod, where the water level is expected to appear.
- Lower the line or rod into the tank until the bottom is reached, and on removal, the water level will appear by positive change in the pastes colour.
- The paste works upon contact immediately in petrol, diesel, kerosene and gas oils, however heavy oils will require a little longer to show.

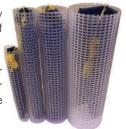
This product will successfully gauge water content in all petroleum and hydrocarbons as well as sulphuric acid, nitric acid, hydrochloride acid, ammonia, soap solutions, salt and other chloride solutions.

#### Water Soakers

Super Absorbent polymer with mesh filter containment

It is common for condensation to build up in most fuel tanks, especially in Agricultural and Marine equipment stored outside for longer periods of time.

This will cause damage to engine fuel injection components. The water soaker will remove any build-up of water as well as preventing any further water accumulation. The water soaker fits at the bottom of the tank where the collective water settles and absorbs it.



#### What you do

- Ensure there are no sources of ignition near the fuel tank.
- Lower the water soaker into the fuel tank using the attached cord, ensuring it settles at the bottom of the tank.
- Ensure the end of the cord is accessible in order to retrieve the water soaker when it is full.
- Check the water soaker at least once a month and replaced no later than every 3 months.
- Ensure the water soaker does not obstruct any sender units in the tank or fuel outlet.

## MR. FUNNEL

### FUEL FILTER FUNNEL YOUR TOOL FOR PURE FUEL



## Which Model Filter Do I Need?

Whether its for your lawnmower, motorbike, generator, bulldozer or boat, Mr Funnel has a solution for any engine you own.

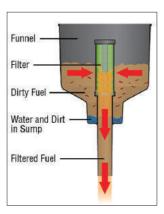
The Fuel Filter Funnel is a heavy-duty, anti-static and fast flow funnel with built in filter technology.

When fuel is poured through it, Water and Debris will not pass through. Only clean, filtered fuel flows through to your engine.

The funnel will filter Petrol, Diesel, Heating Oil and Kerosene.

The sump area collects the deflected water and debris for efficient disposal.

Choose the funnel with the flow rate that best suits your fuel transfer needs.





**Industrial** 



**Lawn Care** 



**Marine** 



**Construction** 



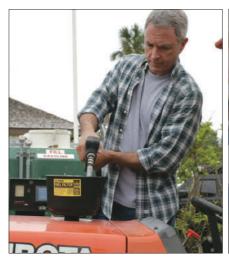
**Recreation** 



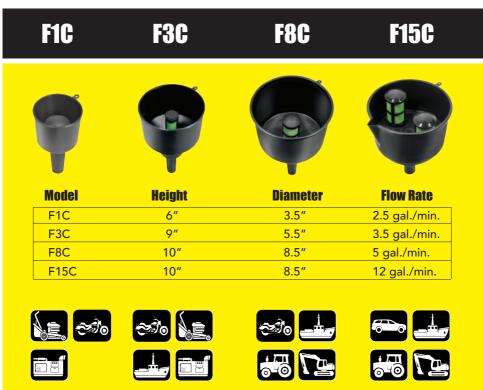
**Automotive** 



Generator









## Stanadyne Performance Formula

The premium all-season, multi-function diesel additive; designed to tackle virtually any diesel fuel related problems.

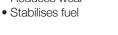
Stanadyne performance formula protects and improves the performance of all diesel fuel injection systems and is suitable for use with all types of on or off-road diesel fuels including ULSD and Bio diesel.

STANADYNE®

### **Benefits**

- Cold weather protection
- Inreases horsepower
- Reduces fuel consumption
- Easier & faster starting
- Reduces smoke & particulate emissions







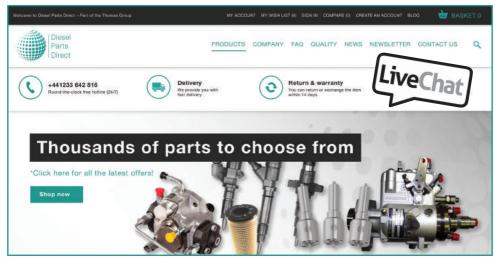


### Thousands of products-Just a click-away!

We are distributors of some of the world's leading manufacturers fuel injection products and equipment-Delphi • Stanadyne • Bosch • VDO

- We stock a vast range of parts and have access to thousands of product lines-all of which are on offer at great prices!
- We are also stockists of Parker Racor parts which offer one of the most comprehensive ranges of filtration equipment in the UK.
- Our NEW online shop enables you to browse thousands of products on your PC, Tablet or Smart Phone.
- Customer accounts are 'live', offering better prices to trade customers as well as tailored pricing structures unique to you.

## Set up an account today and gain immediate access to our huge range of OE products! www.dieselpartsdirect.co.uk





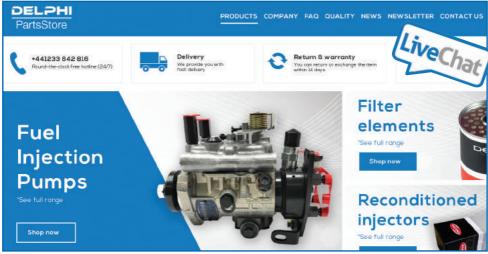
For all genuine Delphi parts visit our new webshop-www.delphipartsstore.co.uk



Delphi Parts • Delphi Fuel Filters • Delphi Injectors • Delphi Fuel Pumps • Delphi Common Rail

With over 40 years in the Fuel Injection business, we know a thing or two about quality parts and the importance of caring for your fuel and expensive equipment. Our aim is to supply only the best Original Equipment Manufacturer parts as well as tried-and-tested fuel quality products. As distributors/wholesalers for Delphi we carry a huge range of parts in stock, as well as having access to thousands of product lines at competitive prices.

As well as a supplier of parts, we are primarily a Fuel Injection Pump repair shop, with 40 years in the industry. Our technicians receive the most up to date, authorised training.





very time you add fuel, you add \_millions of tiny contaminants, small enough to be invisible, but big enough to destroy injectors, pumps and profitability.

Racor manufactures and supplies 'matching parts' identical to those they supply to the vehicle manufacturer but are branded with the Racor logo and sold through Thomas Distribution to the independent aftermarket.

The critical performance factor for any fuel filter is the water separation efficiency.

Copy filter elements do not protect the engine from the water in fuel; which in turn can shorten the life of your engine.

The high level of proven performance in an original Racor product, protects your system against these risks.





Parker Racor is a global leader in engine filtration technology.

For over 45 years they have been a driving force of innovation, with an added commitment to delivering the very best solutions.

## **CHANGING FILTRATION**







ENGINEERING YOUR SUCCESS





When engines demand heavy-duty, height-capacity water separation and fuel filtration, the Turbine Series is the most complete, efficient, and reliable engine protection you can install.

Symbolising Racor's continuing commitment to the science of filtration, the Turbine Series has established it's position as the filter/separator, often imitated, but never equaled.

Racor Diesel Spin-On Series filter/separators are compact in size. They utilise a flexible mounting head for remote or on engine mounting. Ideal for tight engine compartments.

Filtration options provide for a variety of micron ratings and ensure virtually 100% removal of water and solid contaminants for diesel engines.

## Filter Units, Elements & Accessories Spin-on & Turbine Series





## **CHANGING FILTRATION**



















## UK's Official Truck & Commercial Vehicle Racor Filtration Supplier











## Bringing Tomorrow's Filtration Technology to the Commercial Vehicle Aftermarket

#### TARGETING EMISSIONS VOLVO

#### **HDFP** Fuel Module

Fitted to all Volvo heavy-duty Euro 6 engines, the Parker Racor HDEP (Heavy duty engine platform) fuel filter module is designed to remove particulate and free water from the engine fuel, whilst contributing to achieving Euro 6 vehicle emissions standards.

- Integrated AHI (automatic hydrocarbon injection) system both primary and secondary fuel filtration.
- Reduced cost of emission management system.
- Improved efficiency.
  Compliance with Euro 6 regulations for the OEM's engine system.
- Replacement interchange filter heads, elements and water collectioon bowls are also available for the tier 4/5 and Euro 5 modules.

### **EA Series Air Filters**

### Replacement Filters

The most important components of any heavy duty air cleaner are the primary and secondary filter. Without a high quality replacement filter, the air cleaner cannot perform the job it is designed to do.

Racor replacement filters for the EA and EAVLR air cleaners, are designed and manufactured using the highest quality materials, including high efficiency, high capacity filter media, and reliable, durable urethane end caps.

#### **Features**

High efficiency media • Industry standard radial seal design Urethane encapsulation • High dust holding capacity







## Fuel Filter Kits Primary Filter Elements



PFF5551
John Deere | RE525523
Fuel Filter Kit for
JD Tier 3 Engines



PFF56170
John Deere | RE507284
Primary Fuel Filter for
JD Tier 2 650 Engines



PFF5614
John Deere | RE541746
Fuel Filter Kit for
JD Interim Tier 4
Engines



PFF56203
John Deere | RE532952
Primary Filter Element
for JD Tier 3 650 engines



PFF51316
John Deere | RE539465
Primary Filter
Element
for JD Interim
Tier 4 engines



PFF5612
John Deere | RE506428
Secondary (Severe conditions) Fuel Filter for JD Tier 2 Engines



PFL5524
John Deere | RE509672
Engine Lube Oil
Filter for JD 450
Engines
T3, IT4, T4



PFF51572
John Deere | RE556406
Fuel Filter Kit for
JD Tier 4 Engines

## **FUELMANAGER**

### Fuel Manager Filtration

The fuel filtration and water separation needs of today's new generation diesel fuel systems demand extremely high efficiency, flexibility, multiple functions and ease of use, without the risk of fuels spills or part contamination.

Fuel Manager filtration systems have been specified as original equipment by over 70 OEM's.

Ideal for light, medium or heavy duty trucks, agricultural and industrial vehicles, power generation and marine applications.

There is a Fuel Manager Series to meet any condition.



Today's fuel filtration and water separation demands high efficiency with multi-function, flexibility and ease of use without the risk of fuel spills or contaminated parts.

The Fuel Manager range of combination fuel filters/water separators meet these demanding requirements.

### Fuel Manager Accessories



### Electric Lift Pumps



We are now offering a select number of service replacement Electric Lift Pumps for the after-market FM100 Filters.

The kits are supplied with an electric lift pump, a new O-ring and an installation instruction sheet.

The lift pumps are replacements for OEM and aftermarket filter assemblies fitted to New Holland, SISU Diesel and John Deere.



Stanadyne/Fuel Manager Electric Lift Pump Kits

### Stanadyne FM100 ELP Kit 34668



#### (LIFT PUMP 33464) 12V, 40GPH, 8 PSi Reverse Flow, Brush **NEW HOLLAND**

87802238, 87802203, 87802201, 87802551, 87802726, 87802200, 87801792, 87802331, 87801790, 87802202, 7931138, 87803437, 8043684

### Stanadyne FM100 ELP Kit 44002



(LIFT PUMP 35277) 12V 60GPH, No PSi Regulation, Normal Flow, Brush JOHN DEERE RE509530

### Stanadyne FM100 ELP Kit 44003



(LIFT PUMP 35373) 12V 60GPH, No PSi Regulation, Normal Flow, Brush **JOHN DEERE RE509530** 



Stanadyne/Fuel Manager Electric Lift Pump Kits

### Stanadyne 12V ELP Kit 44666



# (LIFT PUMP 39456) 12V, 50GPH, 17 PSi Reverse Flow, Brush JCB 332/D6723,320/07065, 333/C3351, 333/E9834, 333/X0443, 333/G0513

320/07458, 320/07493

### Stanadyne FM100 12V ELP Kit 44001



#### (LIFT PUMP 35272) 12V 60GPH, 17 PSi, Reverse Flow, Brush JOHN DEERE RE509033

### Stanadyne 12V ELP 43242



# (LIFT PUMP 41766) 12V 80GPH, 10 PSi, Reverse Flow, Brushless FUEL MANAGER Assemblies 33945, 41775, 42963

## **Perkins**

## Let your engine **BREATH**Filter out impurities



With a history stretching back more than 85 years, Perkins is one of the world's leading providers of diesel and gas engines, providing the most comprehensive range of innovative and reliable power solutions, tailored to meet precise requirements.

Diesel engine oil filters help remove the harmful soot, deposits and sludge caused by the breakdown of engine oil. Removing the sludge and deposits enables the oil to circulate, to lubricate and help cool the engine, and prevents wear as the components interact with each other. It is vital to have the right oil filter, as well as the correct engine oil so that your diesel engine is running as smoothly before, as after the service. Using a genuine Perkins oil filter will ensure you have a long, reliable engine life.



Designed to meet the needs of Perkins engines by providing superior protection against particles that can make their way into the lubrication system during service or from component wear.

Increasing emissions levels has resulted in more precise engineering tolerances in galleries and channels leaving less room between engine components than before, so choosing a genuine Perkins filter is more important than ever to ensure effective lubrication and cooling.

Designed to reduce resistance to oil flow whilst maximising filter efficiency and provide protection to the recommended oil service interval in the Operation and Maintenance Manual.

### **Pre Fuel Filters**



Perkins primary Eco filter element for high-efficiency filtration in primary fuel filters on Perkins engines. With increased contamination control without giving up dirt-holding capacity for stricter component and emission requirements in newer machines.

# **Delphi** Technologies

A leading global automotive emissions, fuel economy and aftermarket solutions provider.



### Filtration

Delphi's comprehensive filtration range covers a wide choice of applications. These are designed and manufactured to keep up with the high pressures and fine tolerances of modern engines. Their patented technology and high efficiency, multi-layer design ensure optimum protection of fuel injection systems.



## Smart Injectors

- Built using OE processes and calibrated real-world applications.
- Tested to respond faster and last longer.





### Solenoids, Sensors & Valves



### Common Rail Injectors & Injector Repair

Genuine Delphi injectors.Fully conditioned units complete

• Fully conditioned units complete with genuine Delphi parts.

• Fully tested and re-coded on approved test equipment.

• 12 months warranty.

### **ECO-FIX Available**

New genuine control valve and tested for electrical function, return flow and main fuel spray operation.

• 3 months warranty.







The Bosch Automotive division provides the aftermarket and workshop concepts worldwide with a complete range of diagnostic and repair shop equipment, and a wide range of spare parts- from new and exchange parts to repair solutions for passenger cars and commercial vehicles.

Its portfolio includes products made as Bosch original equipment, as well as aftermarket products and services developed and manufactured in-house.



### We are Bosch service agents

Servicing rotary and inline pumps along with the newest generation common rail systems on a Bosch EPS 815 test bench.



### Metering units

### Solenoids





### Pressure sensors

Pressure limiting valves















As the global community demands ever lower emissions and greater efficiency, Stanadyne is charging forward and resolving the most complex challenges facing fuel systems. Across automotive, construction,

agriculture, and other industries, they are always moving technology forward to deliver best-in-class performance and enable engines to be cleaner, more efficient, and more powerful.

31



### Injectors & Nozzles

Stanadyne offers a wide selection of fuel injectors and assemblies for both direct and indirect injection diesel systems.

Designs range from their patented Rate-Shaping and Pencil Nozzles to Hole and Pintle type nozzles and assemblies, and their new diesel common rail injectors.



### Fuel Injection Pumps

Using 'copy parts' not only jeopardises the quality, performance and warranty, but also the dependability and life of a customer's diesel engine.

Stanadyne parts are manufactured to exacting specifications for optimum diesel engine performance.

As a Central Distributor for Stanadyne, we not only supply the full range of genuine fuel injection parts, we also employ manufacturer-trained technicians, enabling us to offer testing and repair services of the highest calibre.







## YANMAR

Three important facts that you may not know.

We are the only UK
Yanmar approved diesel
fuel injection equipment
repair workshop.

Only genuine Yanmar spares are used, therefore keeping the original quality and reliability of your engine.

The only UK workshop using Yanmar supplied test data and software capable of reprogramming the TNV Eco ECU.



# All types of Mechanical Pumps & Injectors

- Our modern workshop has the correct tools, software and expertise to service all your Yanmar diesel equipment.
- All types of mechanical pumps and injectors.
- Electronically controles ECO pumps tested and services.

### Fuel Injection Pumps

Sale • Service & Repair

Lift/Feed Pumps

Fuel Injectors & Nozzles

CR Injector Options
Testing • Servicing
Service Exchange



### YANMAR



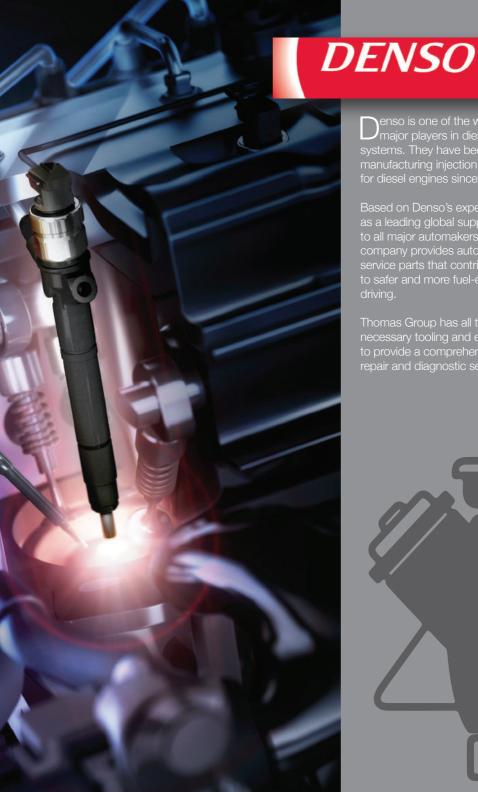






"Why go elsewhere when it's all here?"
Tel: 01233 642816





major players in diesel

company provides automotive to safer and more fuel-efficient

Thomas Group has all the repair and diagnostic service.



### Suction Control Valves

It is important to ensure your replacement Suction Control Valves are of the highest quality.

Thomas Group only stock OE manufacturer parts from brands such as Denso, so you can place your order in the safe knowledge that your replacement part is genuine and of the highest quality.

## New & Reconditioned Common Rail Injectors

Thomas Group are able to offer Denso's OE quality aftermarket ranges including Common Rail systems, Nozzles & Pump components.







**DENSO** 







Aliant Power, a Diesel Forward brand, distributes more than 550 SKU's of aftermarket new and remanufactured diesel fuel injection and engine components for medium and heavy-duty engines.

Since 2002, the Alliant Power product line has grown considerably. They lead the aftermartket in original equipment or equivalent quality products: fuel systems, engine components, and value-add repair solutions.









## Navistar HEUI Injectors

DT466E, 1530E, DT466/530, HT530 Your source for brand new OEM HEUI injectors

## John Deere Common Rail Injectors

Remanufactured Common Rail Injectors available

- 18 part numbers provide extensive coverage.
- Components for installation & trim code.
- 13 month, unlimited hour warranty.
- $\bullet$  Professional customer service & support.

4.5L • 6.8L • 8.1L • 0.9L









The VDO brand is a central pillar of the Commercial Vehicles & Aftermarket (CVAM) division of Continental and is represented worldwide with an extensive network of sales and service companies.

Under the brand, Continental, as one of the world's leading automotive suppliers, markets electronic products, systems and services which make commercial and special-purpose vehicles safer, cleaner and more economical while also allowing them to operate more efficiently on a day-to-day basis.





Common Rail Fuel Pumps



Electric Lift Pumps



CR Fuel Injectors



Making commercial and special-purpose vehicles safer, cleaner and more economical







Walker Products has been supplying the fuel system in the automotive industry since 1946. Today Walker is one of the largest, privately owned manufacturers of fuel system components and engine sensors.

Walker serve major Original Equipment Manufacturers, Co-manufacturers, rebuilders and retail customers in the fuel, engine sensor and exhaust markets worldwide.

#### Oxygen Gas Pressure Sensors

#### Exhaust Gas Temperature Sensors









Whether you're changing your oil, topping up the antifreeze or checking all your automotive fluid levels, FloTool has the right application.







#### THE RIGHT TOOL AT EVERY STEP





























**UNRIVALED INNOVATION • UNMATCHED RANGE OF PRODUCTS** 



## EXTRACTION MAKES FLUID CHANGES QUICK, CLEAN & EASY!







#### Ease of use

#### Compact design

## Flexible

Hand pump action creates a powerful vacuum for fluid extraction - no electricity needed. Allows for accessibility in tight spots and conveniently transfers fluids for storing, transporting and recycling.

A versatile lineup that is perfect for a variety of applications from large to small engines fluid services.











Patented structural design combined with high strength, lightweight material makes the RhinoRamps as strong as any other ramps on the market, resin or metal.

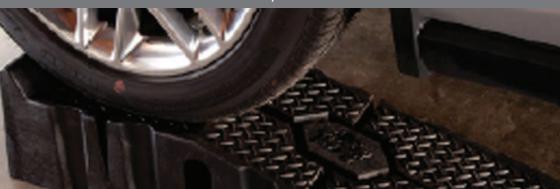
## STRONG AS STEEL

#### **Better by Design**

Strength and stability- RhinoRamps achieve this with a Strong as Steel super-structure and integrated Core-Trac, non skid feet to reduce sliding during use. Adding superior tread pattern and wide design make these the most secure ramps on the market. A reduced rise angle also works to accomodate low profile vehicles...a feature most other ramps can't claim!

#### **Space Saving & Lightweight**

The unique, nestable design not only saves space in the customer's garage but more pieces on a pallet means reducing footprint in the warehouse, on the truck and minimises space required on a retail shelf. This combined with the light weight material allows for easy handling and portability making RhinoRamps the best choice in lifting devices.







#### 12.000 lb. GVW RhinoRamps MAX®

- · Nestable for maximum cube utilisation
- 17 degree angle for low clearance vehicles
- Extra-wide tyre width
- Part number: 11909MI



RATED FOR VEHICLES U TO 12,000 LBS GROSS VEHICLE WEIGHT





#### **HEAVY- DUTY WHEEL CHOCKS™**

- Safety device to use with ramps or other lifting devices
- Prevents tyres from rolling
- Not for commercial use
- Part number: 11930MIE

#### **EZ LIFT RIDER RAMPS™**

- Makes mower maintenance easy
- Provides 6" of lift
- Gripping points for use on concrete or grass
- Part number: 11935MIF



# 



#### Car Care

Hopkins' brings over 5 decades of cleaning solution insights to the marketplace by understanding the consumers' need for innovation, design, functionality and quality.

Their experience and focus has helped position their long-term success as the industry leader in vehicle cleaning solutions.

Their fundamental industry knowledge is partnered with an emphasis and commitment to quality.



Performance cleaning solutions delivering superior care for vehicle owners everywhere.

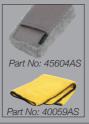




Part No: 40310



The AutoSpa brand complements all premium chemicals, and brings innovation that elevate the cleaning experience. Auto-Spa™ Luxury Car Care Accessories prolong that "fresh from the showroom" feel.







Innovative glass care accessories make each cleaning task easier.







Pacific Coast offers specialty products for dusting and drying all vehicle types.





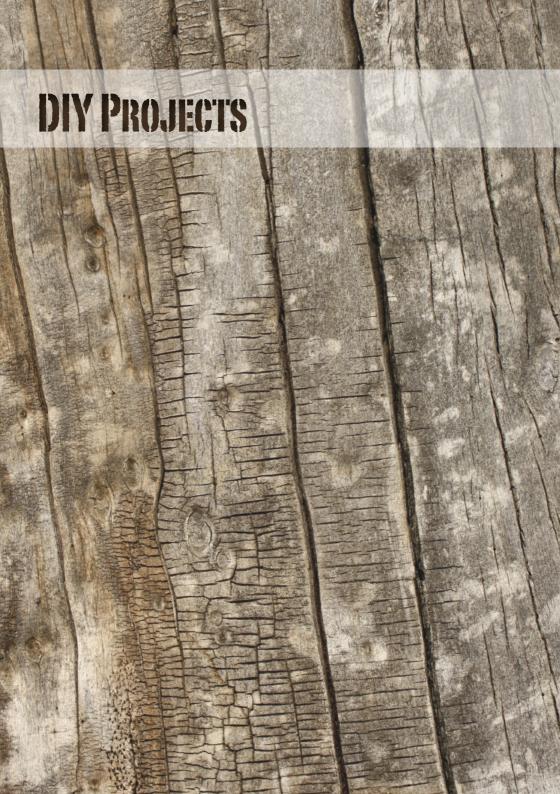
### Upholstery •

For decades, the Hopkins brand family has brought innovative solutions to vehicle accessories. Their portfolio has grown to include more recognised brands with hundreds of items that span across several categories making Hopkins one of the most complete suppliers in the category.

Their success is driven by their creative curiosity and backed by consumer insights to identify hidden requirements.







## **DIY Projects Simplified**

2 x 4 Basics brackets are designed make garage organisation and outdoor furniture projects as simple as possible, from a heavy-duty workbench with shelves to a picnic table and matching chairs.

## **High Quality Products**

Being made of heavy guage structural resin, all the 2 x 4 Basics brackets have a simple yet durable design allowing them to endure rough conditions. High standards that do-it-yourselfers have come to value and expect.





## **DIY OUTDOOR KITS**





Part No: 90192M

Includes integrated beverage holders!

No angle cuts-saves time and money!

Part Na. 0012111E

## **Any size Workbench Kit**

- Only straight 90° cuts are required no miters or angles
   Simple assembly with power screwdriver and saw
- · Made of durable heavy gauge structural resin
- Recommended lumber: 2x4s (not included)





Your Perfect Workbench- You Determine the Size You are no longer limited to a standard-size workbench. Just add 2x4s and plywood or particleboard to make a workbench in any length or width up to 8 feet by 4 feet.

#### Easy to Build

The workbench kit is easy to assemble, in less than an hour, using only a powered screwdriver and a saw. Only straight cuts are required — no miters or angles.

#### It's Strong

Sturdy 2x4 framing and advanced engineering make the 2x4 Basics workbench strong and more stable than other available workbenches and storage solutions.

#### Versatile Unit Works With Shelf Links

This custom workbench can satisfy your storage and work requirements in the garage, shed or anywhere in the home or workplace.

## Protect your diesel engine





**FUEL QUALITY • FUEL INJECTION • FUEL FILTRATION** 

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THOMASGROUP







