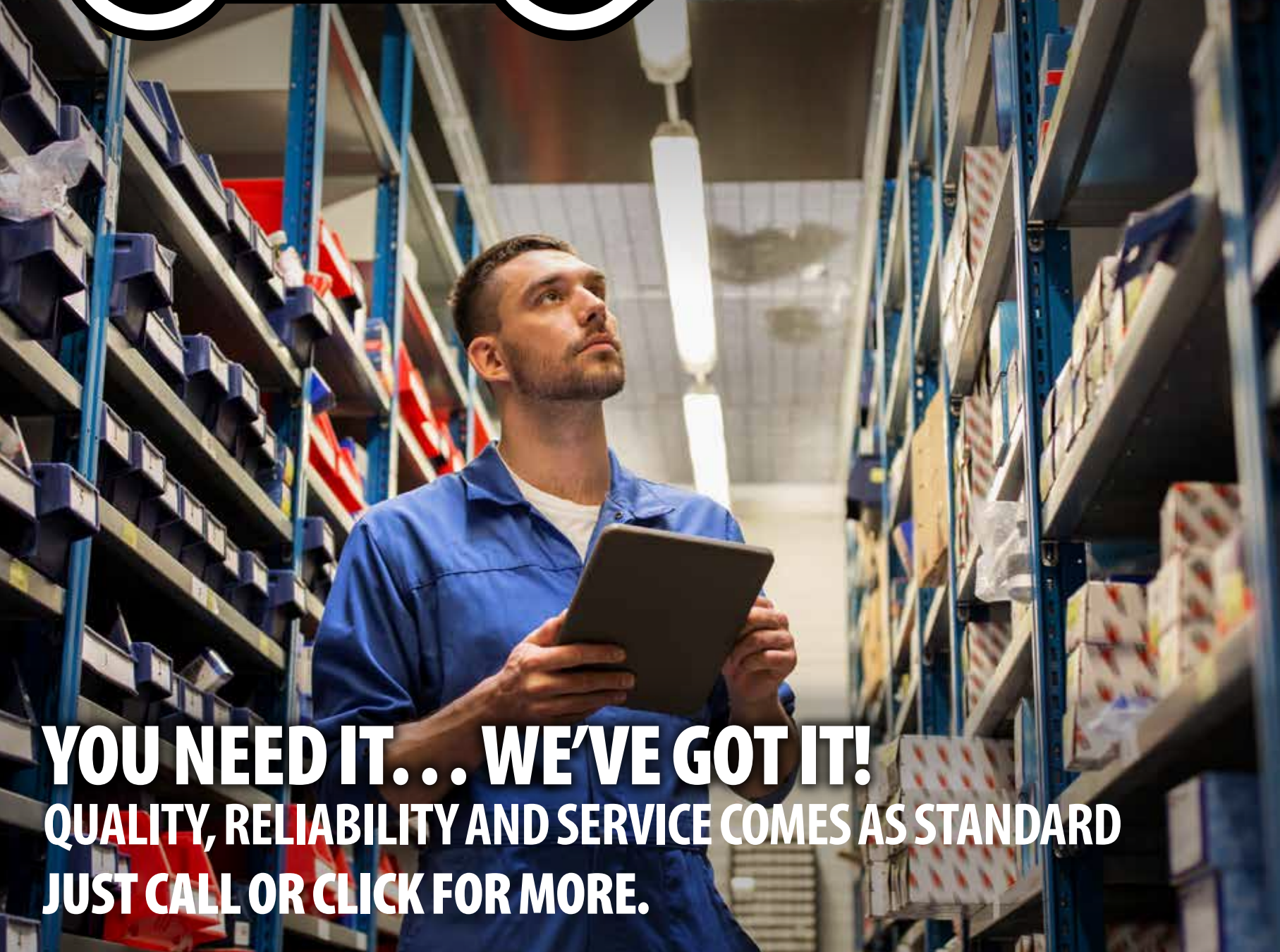




THE SMART CHOICE

ISSUE 66 • SEPTEMBER/OCTOBER 2022



YOU NEED IT... WE'VE GOT IT!
QUALITY, RELIABILITY AND SERVICE COMES AS STANDARD
JUST CALL OR CLICK FOR MORE.

**PLUS...
 TURBO
 FAILURES**

HOW ACCURATE DIAGNOSIS CAN
 BE A REAL OPPORTUNITY!



**PLUS...
 GREAT
 DEALS**

ON GARAGE EQUIPMENT, TOOLS
 DIAGNOSTICS AND MORE



WELCOME TO SMART CHOICE

ISSUE 66 SEPTEMBER/OCTOBER 2022

INSIDE THIS ISSUE

- | | | | |
|------------------------------|-----------------------------|----------------------------|-----------------------------|
| 2 WYNN'S | 12 COMMA | 22-23 LUCAS EGR VALVES | 34 EUROFLO |
| 3 SMART OFFERS: TECALEMIT | 13 BECKERMANN / UFI FILTERS | 24 BLUE PRINT / SGS GASES | 35 BRAKE ENGINEERING |
| 4 BORG & BECK / BM CATALYSTS | 14 SCHAEFFLER / POLYCO | 25 PRODUCT FOCUS: GATES | 36 DRAPER / AUTOCHARGE |
| 5 SMART FOCUS: BOSCH | 15 SMART FOCUS: TRUPART | 26 APEC | 37 PRODUCT FOCUS: LUCAS OIL |
| 6 SCM TURBO / YUASA BATTERY | 16 POLYGARD / RING | 27 PRODUCT FOCUS: COMMA | 38 ALLIED NIPPON |
| 7 SIMON'S SPECIALIST STUFF | 17 SMART FOCUS: SHAFTEC | 28-29 MAHLE | 39 GYS / HELLA |
| 8 WIX | 18 FERODO | 30 FEBI | 40 LIQUI MOLY |
| 9 PRODUCT FOCUS: CARWOOD | 19 SMART TALK: KYB | 31 PRODUCT FOCUS: NTK | 41 SMART TALK: KLARIUS |
| 10 SMART FOCUS: VALEO | 20 LUCAS BULBS | 32 METELLI | 42 ROLLCO |
| 11 SMART TALK: DAYCO | 21 SMART OFFERS: AUTEL | 33 SMART OFFERS: LAUNCH UK | 43 TECHNICAL HOTLINES |

SMART CHOICE TERMS & CONDITIONS

Offers end 31 October 2022. All offers subject to availability and change without notice. Certain featured products may not be stocked by all members. Call your local IFA Member with any stock or pricing queries. These offers cannot be used in conjunction with any offer except at the discretion of your local IFA Member. All prices shown are exclusive of VAT. Pictures used are for illustrative purposes only and products are not shown at actual size or to scale. All product/marketing claims are

the responsibility of the company on behalf of whom they are made and are not the liability of the IFA or its agents. E & OE. All lease payment examples are based on a 60 month repayment period and with a NIL DEPOSIT facility. All lease figures quoted are subject to VAT and status. Alternative lease plans are available and can be tailored to your exact requirements. If you have any questions regarding lease facilities please call Alliance & General Leasing on 02478 220 000.



www.wynns.com

MOT EMISSION REDUCTION

THE FASTEST WAY TO REDUCE EMISSIONS FOR MOT

1

PRE-EMISSION TEST TREATMENT

RAPID EMISSION REDUCTION

- » Wynn's fastest-acting formula for reducing emissions
- » Formulated to pass the latest emission testing limits
- » Reduces exhaust emissions
- » Reduce smoke to meet visual test

DIESEL Part No. 35392

PETROL Part No. 35792

2

EXTREME INJECTOR CLEANER

CLEAN & MAINTAIN INJECTORS

- » Powerful in-tank cleaner
- » Cleans and lubricates injectors
- » Restores and maintains ideal injector spray patterns
- » Restores engine performance and prevents starting issues

DIESEL Part No. 12293

PETROL Part No. 29793



Celebrating 100 years of supplying Garage Equipment



The pioneers of yesterday - the leaders of today



INTRODUCING...

TECALEMIT **TIRO** PLUS

PACKAGE PRICE ONLY

£3,349

£17.78 per week



Tyre Changer

- Clamping range 10" - 26"
- Max Wheel diameter 1070mm
- Max Wheel width 380mm
- Bead breaker force 2800kg
- Assistant system with 3 operating arms



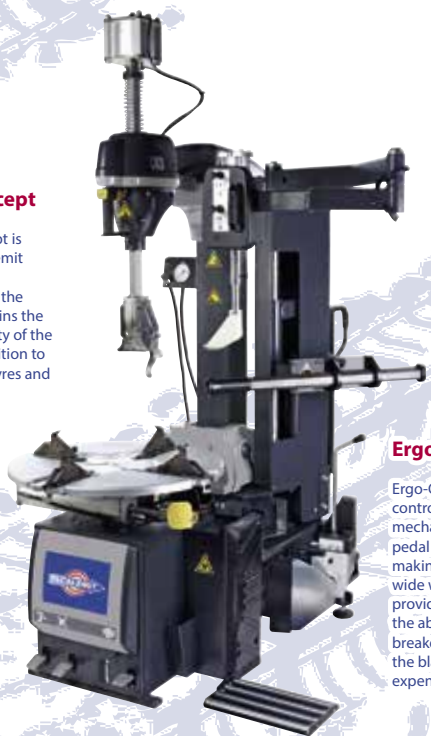
Wheel Balancer

- Internal data entry & weight positioning arm
- Adhesive weight position guide
- Automatic rotation & positioning via One-touch operation
- Data memory to store common wheel size combinations



'G' Frame Concept

The 'G' frame concept is unique to the Tecalemit range and ensures structural rigidity of the chassis. This maintains the accuracy and stability of the mounting head position to protect expensive tyres and wheels



Options available

Leverless operating head, side tyre lift and tyre roller board available for selected models to further reduce operator effort

Ergo-Control

Ergo-Control moves the control of the bead breaker mechanism from a foot pedal to a hand control making it easier to handle wide wheels. It also provides the operator with the ability to control the breaker force and prevent the blade crashing into expensive alloy wheels

Quick Selection Program (QSP)

Choose fast internal rim data entry with the QSP internal data arm* and the QSP external data arm for steel wheels⁵, to get the ultimate in easy setup.
*A Models ⁵AE Models

Chassis Selection

Choose from a 65kg space-saving chassis or a 70kg chassis for heavier wheel and tyre combinations

Options available

Internal rim illumination, laser weight positioning, Sonar spoke detection and weight optimisation available on selected models

Model shown TTC/9628S/LL/T

Model	Turntable	Chassis & Assist Arms	Changer Head & Bead Breaker	Price
TTC/9620/T	2 Speed 10" - 24" Clamping 3" - 11" Rim Width	Strong G-Frame with Pneumatic Tilt Arm, Technoroller & Technofollower	Mounting Head Step Back Rim Protection & Pedal Control Bead Breaker	£21.23 p/w
TTC/9624S/T	Variable Speed 10" - 28" Clamping 3" - 12.5" Rim Width	Strong G-Frame with Pneumatic Tilt Arm, Technoroller & Technofollower	Mounting Head Step Back Rim Protection & Ergo-Control Bead Breaker	£24.41 p/w
TTC/9628S/T	Variable Speed 12" - 32" Clamping 3" - 15" Rim Width	Strong G-Frame with Pneumatic Tilt Arm, Technoroller & Technofollower	Mounting Head Step Back Rim Protection & Ergo-Control Bead Breaker	£28.13 p/w
TTC/9628S/LL/T	Variable Speed 12" - 32" Clamping 3" - 15" Rim Width	Strong G-Frame with Pneumatic Tilt Arm, Technoroller & Technofollower	Leverless Operating Head & Ergo-Control Bead Breaker	£37.68 p/w

Model	Wheel Balancer Description	Price
TBM/960A	Compact balancer with QSP internal data entry arm	£11.14 p/w
TBM/960AE	Compact balancer with QSP internal and external data entry arms	£12.20 p/w
TBM/V/985A	Semi-automatic wheel balancer with video display (2D)	£15.12 p/w
TBM/V/985/AE	Automatic wheel balancer with video display (3D)	£15.92 p/w
TBM/9165L/AE	Automatic wheel balancer with dual digital display (3D), internal light and laser line for precise weight positioning	£17.24 p/w
TBM/9165L/S	As TBM/9165L/AE with SONAR arm for touch-free measuring	£17.78 p/w
TBM/V/9660L/AE	Automatic wheel balancer with video display (3D), internal light and laser line for precise weight positioning	£20.69 p/w
TBM/V/9660L/S	As TBM/V/9660L/AE with SONAR arm for touch-free measuring	£21.23 p/w



Model shown TBM/V/9660L/S

1000+
REFERENCES

CLUTCH COMPONENTS

FROM BORG & BECK

Borg & Beck offers a market leading range of Clutch Components consisting of over 1,000 references, all of which are available from your local IFA member.



OE PEDIGREE

Over 100 years of engineering excellence and OE pedigree.



PREMIUM QUALITY

Manufactured to OE specification using only premium quality materials for efficiency, durability, and performance.



UK TECHNICAL CENTRE

In-house technical test facility for quality control, product development, and technical support.



2 YEAR WARRANTY

Unlimited mileage warranty for total peace of mind.



CONTACT YOUR LOCAL BRANCH TO ORDER BORG & BECK CLUTCH

For full application details please visit the online webcat at webcat.borgandbeck.com



NEW! FROM BM CATALYSTS: SELECTIVE CATALYST REDUCTION (SCR)

BM Catalysts has expanded its product offering by adding Selective Catalyst Reduction (SCR) references to its range, alongside its established range of catalytic converters, DPFs and front pipes.



What is SCR?

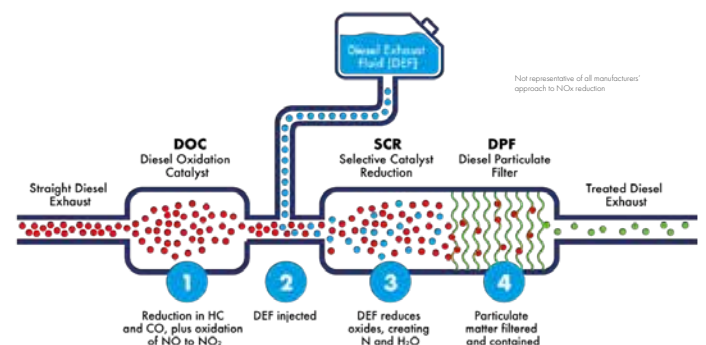
SCR technology was first introduced by the Japanese in the 1970s and is often found in power plants, marine vessels, and heavy duty vehicles as one of the most cost and fuel effective ways of reducing nitrogen oxide (NO) and nitrogen dioxide (NO_x) emissions. The technology has since become more commonplace to treat emissions from diesel engines over 1.5L following the introduction of Euro 6 emissions standards in 2015, which cut permitted NO_x emissions by more than 50%. SCR technology can reduce a vehicle's NO_x emissions by up to **90%**, whilst also reducing hydrocarbons, carbon monoxide and particulate matter emissions.

How does SCR work?

SCR technology works by injecting a liquid-reductant agent through a special catalyst into the exhaust stream of the vehicle. This reductant is an automotive grade urea solution comprised of approximately 1/3 ammonia and 2/3 water. It is more commonly referred to as a **diesel exhaust fluid (DEF)** and it triggers a chemical reaction that converts NO_x into nitrogen, carbon dioxide and water vapour. Ammonia is highly reactive with NO_x in the oxidising atmosphere of the vehicle exhaust. This is where the 'selective' part of the name comes from. The chemical reaction itself is known as 'reduction', hence the name Selective Catalyst Reduction.

What is it made from?

SCR catalyst substrates are typically made from the same ceramic honeycomb material as standard automotive catalysts. They are generally coated with either oxides of base metals such as vanadium, or zeolites of copper or iron. Early SCR systems tended to place the urea/DEF injector SCR catalyst downstream of other emissions control devices. It is now becoming increasingly common to see parts containing both SCR and DPF substrates, or even in some cases a single DPF substrate coated as an SCR catalyst. It is also quite common to see a final catalyst installed after the SCR catalyst in the exhaust system to remove any remaining ammonia.



Product Support Helpline: **01623 663802**

Product Support Email: Support@bmcatalysts.com

Download your **free** SCR technical poster today
from bmcatalysts.com/downloads





BOSCH

Invented for life

Gasoline parts for HEV applications

Bosch current gasoline portfolio for hybrid vehicles

How can we define a hybrid vehicle?

A hybrid vehicle is a combination of two or more different powertrains. For passenger and light commercial vehicles, the combination between an electric motor and an internal combustion engine is the most common one. At the same time, it represents a flexible powertrain system that makes reduced CO2 journeys possible over short distances while increasing efficiency, thus improving the carbon footprint.



What are the main benefits of hybrid powertrains?

- **Lower fuel consumption and improved CO2 balance through regenerative braking.** This represents the recovery of kinetic energy during braking. In a conventional vehicle a majority of the kinetic energy is converted during friction braking into heat and emitted unused into the environment. Hybrid vehicles can use the electric motor to recuperate at least a portion of the kinetic energy and reuse it for acceleration.
- **Pure electric drive** and therefore greater comfort for drivers and passengers due to low noise electric drive, thanks to well-coordinated interplay between the ICE and electric motor.
- **Lower emission production** than ICE, supporting manufacturers to comply with current and future legislation.

Are hybrid vehicles popular among customers?

In the first three quarters of 2021, according to ACEA*, the share of hybrid electric passenger cars (HEV+ mHEV) registrations accounted for 19.4%. If we sum up the PHEV registrations that represent 8.6%, all types of hybrids represent 28% of the total registrations in the European union. In comparison with the first three quarters from 2020, the registration of all hybrids in 2021 has doubled, becoming the most popular alternative powertrain with respect to volumes.

What does Bosch offer for gasoline hybrids?

Majority of the manufactured hybrid vehicles have a gasoline engine on board. In the future, the most dominant system for hybrids will be gasoline direct injection (GDI), where Bosch has a leading position in OE for both injectors and pumps. GDI is the key to efficient and economical engines because it reduces the fuel consumption and emissions with enhanced driving dynamics due to direct injection of the fuel into the combustion chamber.

What are the future market challenges and what is the Bosch strategy?

The world faces enormous challenges when it comes to energy and climate change. Energy-efficient powertrain systems are a key solution for mastering these challenges. Optimised internal combustion engines and electric drive systems have a key role to play. That is why Bosch continues to develop and improve both types of powertrain. Using state of the art injection systems as well as hybrid and all-electric drives, mobility becomes more efficient, economical and dynamic.

The quality of the engine management parts in hybrids is highly important due to Start/Stop systems instant starting capabilities in cold weather as well. Only parts having an OE level quality can ensure the benefit of hybrid technology in terms of fuel efficiency and Bosch is the right partner for this, offering a wide range of components for hybrids. Although existing and available technology, these parts are essential for the maintenance and good functioning of the gasoline engine.

For more go here to find the Bosch parts that fits your hybrid vehicle!

<https://www.boschaftermarket.com/gb/en/parts/>

Selection of top EV/HEV applications

Brand	Model	Fitment Period	Product Type	Part No.
Toyota	Yaris 1.5 HSD	2014 -->	Ignition Coil	0 986 AG0 502
Toyota	Yaris 1.5 HSD	2014 -->	Fuel Pump	0 986 580 990
Volkswagen	Passat/Golf 1.4 GTE Hybrid	2015 -->	Ignition Coil	0 986 221 057
Volkswagen	Passat/Golf 1.4 GTE Hybrid	2015 -->	High Pressure Injector GDI	. 04/ 3. . 132
Volkswagen	Passat/Golf 1.4 GTE Hybrid	2015 -->	QncCb Sensor	. 764 06. 4/ .
Volkswagen	Passat/Golf 1.4 GTE Hybrid	2015 -->	K_l ghjb Pæqqsqæ Scl qmp	. 06/ . . 0 754
Volkswagen	Passat/Golf 1.4 GTE Hybrid	2015 -->	l l mai Scl qmp	. 04/ 01/ / 24
BMW	225 xe Active Tourer	2015 -->	Ignition Coil	. 764 00/ / 02
BMW	225 xe Active Tourer	2015 -->	High Pressure Injector GDI	. 04/ 3. . 32/
BMW	225 xe Active Tourer	2015 -->	High Pressure Pump GDI	. 04/ 30. 026
BMW	225 xe Active Tourer	2015 -->	Oxygen Sensor	. 036 . 05 . 61
BMW	225 xe Active Tourer	2015 -->	Knock Sensor	0 261 231 224
BMW	225 xe Active Tourer	2015 -->	Fuel Pump	0 580 200 526



YOU NEED IT... WE'VE GOT IT! JUST CALL OR CLICK FOR MORE.

When you need Genuine OE Quality, and an unrivalled warranty,
choose SCM Turbo



SCM
TURBO

Authorised Distributors for:

BorgWarner

HOLSET
TURBOCHARGERS

No Quibble Replacement Guarantee provided with every SCM Service-exchange turbocharger. New and Factory-exchange product supplied with 2 years manufacturer warranty.

**12 MONTH
NO QUIBBLE
REPLACEMENT
GUARANTEE**

ALWAYS
CHECK 
 THE **BATTERY**
 WITH  **YUASA**

Nearly 40% of the vehicles you service or repair will need their battery replaced or recharged.

Checking the battery of every vehicle entering your workshop will enhance your business reputation, improve customer satisfaction and drive loyalty. It could also increase your annual battery revenue significantly.

For more information visit:

www.yuasa.com


YUASA BATTERY

by  **GS YUASA**





Simon's SPECIALIST STUFF

A selection of hard-to-find niche parts that are available!



HOT PRICE!
CALL FOR OUR BEST PRICES!

349-0019

Expansion Tank (Cool)

• To fit: Dacia / Renault Dokker / Duster / Captur / Clio IV



HOT PRICE!
CALL FOR OUR BEST PRICES!

484-0014

AdBlue Injector

• To fit: Fiat 500L 17 > / 500X 18 >



HOT PRICE!
CALL FOR OUR BEST PRICES!

533-0016

Oil Filler CAP

• To fit: VAG Group A1 10 > 18 / A3 03 > 20 / A4 15 > A5 16 > / Q2 16 > / Q3 11 > 18 / Seat Ibiza 17 > / Mii 11 > / Arona 17 > / Golf Mk7 / T-Roc 17 >



HOT PRICE!
CALL FOR OUR BEST PRICES!

555-0007

Hazard Light Switch

• To fit: Ford Transit MK6 / KA MK1

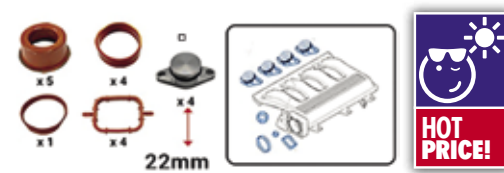


HOT PRICE!
CALL FOR OUR BEST PRICES!

555-0008

Hazard Light Switch

• To fit: Dacia / Renault Duster / Captur / Clio IV / Zoe



HOT PRICE!
CALL FOR OUR BEST PRICES!

REF : 681-0001 (18PCS)

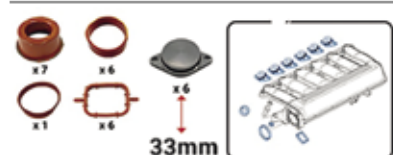
O.E.: 11612246942, 11617792019

Compatible: BMW 3 (E46) / 5 (E39)

681-0001

Swirl Flap 22mm Kit - 4 CYL

• To fit: BMW E46 / 318D / 320D



HOT PRICE!
CALL FOR OUR BEST PRICES!

REF : 681-0002 (26PCS)

O.E.: 11617790701, 11617792019

Compatible: BMW

3 (E90) / 3 Touring (E91) / 5 (E60) / 6 Descapotable (E64) / X3 (E83) / 6 (E63) / 3 Coupé (E92) / 3 Coupé (E92) / X5 (E70) / 3 Descapotable (E93) / 5 Touring (E61)

681-0002

Swirl Flap 32mm Kit - 6CYL

• To fit: BMW E90 330D / E60 / E63 / E83 / E53 / E70 & E71



HOT PRICE!
CALL FOR OUR BEST PRICES!

705-0032

Cooling Flange

• To fit: Landrover Defender 2.2L 2007 >



HOT PRICE!
CALL FOR OUR BEST PRICES!

800-0088

Wiper Motor - Front

• To fit: Nissan Qashqai J11 13 > 17



HOT PRICE!
CALL FOR OUR BEST PRICES!

800-0091

Wiper Motor - Rear

• To fit: PSA / Toyota C1 / 107 / Aygo 05 > 14



HOT PRICE!
CALL FOR OUR BEST PRICES!

838-0010

Nox Sensor

• To fit: VAG Group Caddy 2.0TDI



HOT PRICE!
CALL FOR OUR BEST PRICES!

838-0019

Nox Sensor

• To fit: Vauxhall Insignia MK1

Due to current fluctuations availability of some items may be subject to change. Call us for more details.

WIX

FILTERS

ADDITIONAL PASSENGER PROTECTION,
THANKS TO THE INNOVATIVE
MICROBAN TECHNOLOGY!



All cabin filters from WIX Filters feature the MICROBAN technology, as standard, which:

- reduces the risk of allergic reactions
- improves the comfort of travelling in the vehicle
- reduces growth of bacteria, allergens, and mould on the filter

Visit our [www](http://www.wixfilters.com)



WIX CABIN FILTERS WITH
MICROBAN
ANTIMICROBIAL PROTECTION



REDUCES
ALLERGENS



REDUCES
BACTERIA



REDUCES
MOULD

More information about our filters can
be found on our channels:

WIX Filters Europe



www.wixeurope.com

BOOST YOUR KNOW-HOW!
Diagnosing TURBO failures



As the latest generation of turbocharged vehicles filters into the service network, accurate diagnostics provides a real opportunity for both factors & garages. Leading remanufacturer & technical expert, Carwood, explains why...



Thanks to their proven ability to improve engine efficiency & fuel economy, whilst reducing emissions, turbos can now be found in almost every type of car, providing an ever-growing parc of vehicles that will require high-quality, cost-effective repairs.

Yet despite their growing popularity, turbo failures are still often misunderstood. Faced with an issue, many will wrongly blame the turbo itself. The truth is, they are incredibly reliable; **less than 1% fail due to a manufacturing defect** with the actual unit, so it's rarely the turbo, but something else. The question is what?

"Fortunately, a handful of causes account for the majority of failures," explains Will Johnson, Turbo Sales Manager, Carwood. "By taking time to carefully evaluate the turbo's key components & other related systems, & knowing what to look out for & why, issues can be correctly pinpointed & remedial action taken, to avoid a repeat failure."

"Foreign object impact damage, for example, can be caused when dirt, dust & debris from broken components or a previous failure, enters the turbine, compressor or bearing housing. At high speeds, this can result in imbalance & costly impact damage to the compressor & turbine blades. Replacing the air filter at regular intervals & checking the turbo for debris, worn pipework & air intake restrictions is an easy way to prevent this."

"A build-up of carbon deposits in the oil feed, blocked oil filters & the incorrect grade or quantity of oil, can starve the turbo of oil - its lifeblood," he continues. "The tell-tale signs are discolouration of the shaft, excessive wear to the thrust bearing pad, an out of balance shaft & even complete shaft failure, so it's a good idea to check & clean the entire air & oil supply system, use fresh oil & fit new components where required."



shaft discolouration due to oil starvation



foreign object damage to compressor wheel

"Admittedly, accurate diagnosis is not always straightforward. Some causes & symptoms overlap. Take a poorly routed or blocked oil return pipe. It can restrict the flow of oil out of the turbo, causing a build-up of oil pressure in the bearing housing & in turn oil leaks at both ends. The same can cause damage to the turbine side, through overheating."

"Although, discolouration is more typical of oil starvation, it can indicate other problems. So, it's important to look at the pattern too. Staining that starts at the turbine wheel, & continues through the shaft to the compressor side, suggests excessive heat, caused by increased back pressure from a DPF related issue instead."

These examples, highlight the need for garages to always fit top-quality parts, & follow a methodical process when doing so. By determining what caused the original unit to fail, & fixing it, before replacing the turbo, you can deliver a right-1st-time service, with no comebacks. Saving you & your customer time & money, whilst building loyalty.

TIER 1 TURBO SUPPLIER TO THE IFA!

With over 1,000 new & OE-approved reman turbos, plus a wide range of ancillary parts, Carwood is sure to have the right part for the job. And because every one of our turbos come with a full fitting kit, & access to a technical hotline, you'll be able to fit it right-1st-time too.

Need help with a turbo job? Call the Carwood technical hotline on: 01623 867996



www.valeoservice.co.uk

VALEO'S ONLINE TRAINING PORTAL

FAST, SIMPLE AND FREELY ACCESSIBLE!



THE VALEO WEBINAR PROGRAM

As technologies evolve, automotive maintenance and repair becomes more complex. To stay up to date, professionals need continuous training. However, that takes time, and time is not the most available resource at work. This is why Valeo offers free access to its online training webinars (available live or on demand).

Today, more than 50 e-trainings are available on the Valeo Tech@ssist training platform. And the figures clearly show the usefulness of such a service. In 2021, globally, nearly 85,000 people completed these online training modules. With the Valeo Technical Trainers presenting at least one webinar a week throughout 2022, Valeo ensure that attendees are kept up to date on the latest products, technologies and best fitment practices.

Participate in our live online webinars every Wednesday morning at 10am, and as well as learning about new topics and technologies, gain access to our free downloadable technical literature, links to other related content, Q&A's with our technical trainers and much more! If you cannot make the live event, don't worry! All webinars are then published on the Valeo online webinar platform and free to access!

Visit the Valeo Tech@ssist webinar platform today by scanning the QR code or visit us at www.valeoservice.co.uk



50+ Webinars Available

Today, more than 50 e-trainings are available on the Valeo Tech@ssist portal



Experienced Trainers

Dedicated automotive professionals sharing their expertise across dozens of products and technologies



Continuous Training

Scan the QR code and access all training modules. Stay up to date with the latest technologies with at least one webinar produced a week

THE OE & AFTERMARKET SPECIALIST



TECHNICAL FOCUS

BELT IN OIL TECHNICAL UPDATE

FORD 1.0-LITRE ECOBOOST 'FOX' ENGINE

Dayco, the company that pioneered the belt in oil (BIO) innovation on behalf of vehicle manufacturers (VMs) such as Ford and VW, is highlighting the importance of regular maintenance in line with the VMs scheduled service intervals, to ensure the ongoing reliability of these engines.

Taking the Ford 1.0-litre EcoBoost 'Fox' engine, which is used in multiple Ford applications including the B-Max, C-Max, Ecosport, Fiesta, Focus and Mondeo, as an example, according to the manufacturer's service schedule, the timing belt must be replaced at 150,000 miles or every 10 years, whichever comes soonest. When it comes to the Tourneo Connect and Courier however, the replacement mileage is slightly lower, at 140,000 miles.

"Although the BIO innovation is a fantastic solution, which helps this small and efficient engine to deliver incredible levels of power, alongside exceptionally low emissions and excellent fuel economy, depending on the quality of the fuel it uses and the type of journey it undertakes, the engine can sometimes be prone to oil contamination, which has the potential to affect the belt," explains Dayco's National Sales Manager, Steve Carolan. "It is therefore imperative that workshops highlight the importance of following the VMs scheduled replacement intervals to their customers.

"On a practical level, there are also some best practice guidelines that technicians can follow to help them assess the condition of the belt in between the specified replacement interval, the first of which is to assess the condition of the oil.

"This is easier than it might appear as the presence of petrol in the oil is generally noticeable due to its strong odour, so rather than undoing the drainplug and walking away, whenever carrying out a scheduled oil and filter change technicians should check for the smell of petrol fumes. If this is detected, further investigation must be made as the failure of the belt will have catastrophic consequences to the engine.

"Unfortunately, checking the condition of the belt is not straightforward, but a sensible starting point is to check the strainer that the oil will have passed through when draining from the sump, because it's possible that fragments of the belt or deposits of material that have been dislodged as the fuel attacks the belt material, will be left behind.

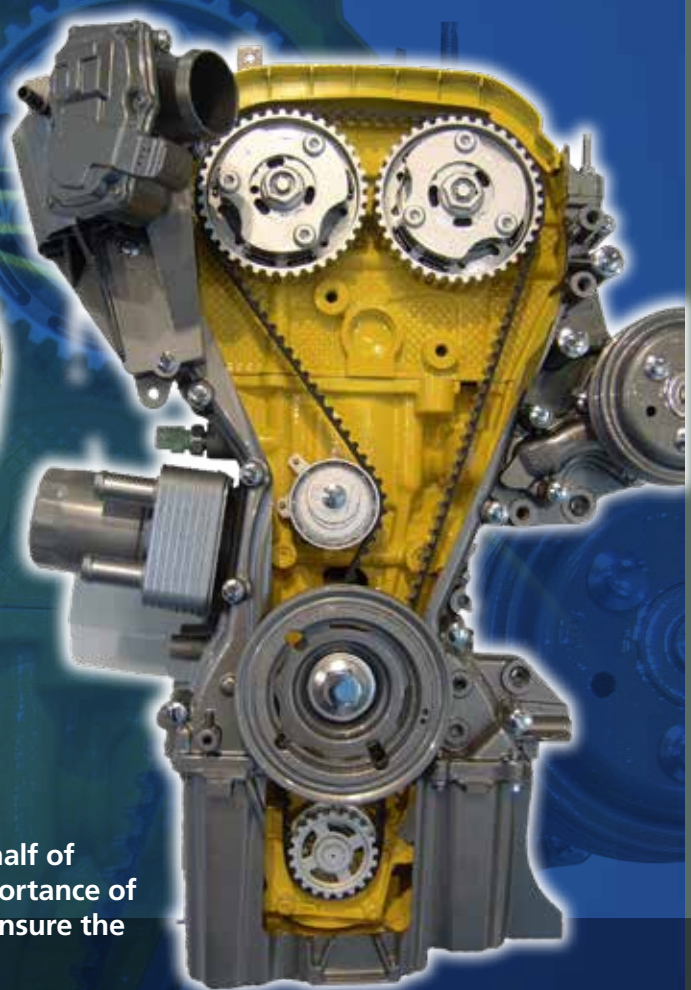
"If any evidence of debris is found, the next step is to remove the camshaft cover as this is the only practical way to properly assess the belt's condition as it allows technicians to examine the back, which will reveal whether the

contaminated oil has begun to degrade the surface of the belt. "At this point it's important to state that some moderate increase in the width of the belt, commonly referred to as belt swell, is not an issue, unless of course it's so excessive as to cause the belt to foul, but this will be evident if there is damage to its edges.

"Naturally, should the belt need to be replaced, as the original equipment supplier for both the timing and oil pump drive systems for these engines, Dayco has replacement kits – either KBIO02 or KBIO03 – in its aftermarket range.

"In addition, to guide technicians through the installation procedure and help independent workshops fully understand the issues and replacement requirements, we have produced a technical video, which can be viewed on YouTube via this link – <https://youtu.be/fDkoaPwbfpg> – and highlights the key points that must be noted.

"Finally, we'd encourage workshops to be proactive with their customers and, in addition to highlighting the necessity of the belt checks and replacement interval, make them aware of the consequences in terms of the damage to the engine and the cost to repair it, should the belt fail."



For more information regarding the OEM quality power transmission products in the Dayco range, visit: www.dayco.com

DAYCO
MOVE FORWARD. ALWAYS.™

To find out more contact your local branch today!



Confidence comes from within



Gear & Transmission Oils

Comma offers a range of high quality gear, transmission and differential oils for most types of manual or automatic transmission, syncro or constant mesh gearbox or differential. Product application is covered by Comma's unique Compatibility Guarantee, so when we say that *Confidence comes from within* you know that we mean it.



Contact your local Comma stockist or visit CommaOil.com for more information



ENGINEERED TO PERFORM

Beckermann Camshaft Adjustment Control Valves are engineered to original equipment specifications and manufactured exacting standards to ensure optimum engine performance for vehicles with variable valve timing or variable valve lift technology.

The Beckermann range includes:
64 new references covering over 19.2 million vehicles on the road



BECKERMANN.CO.UK



UFI FILTERS, THE BEST CHOICE FOR ORIGINAL EQUIPMENT AND FOR THE AFTERMARKET.



UFI Filters is a global leader in filtration technology and thermal management. It serves a wide range of sectors from automotive, aerospace and marine to specialised industrial and customised hydraulics applications.

Thanks to continuous technological innovation and to investments into cutting-edge products, UFI Filters has consolidated its reputation as a leading OEM supplier of filtration systems both for the automotive market and for special applications.



>250
 CO-BRANDED PRODUCTS WITH BIGGEST OEMs



96%
 OF VEHICLE MANUFACTURERS WORLDWIDE CHOOSE UFI FILTERS

Nowadays UFI supplies the first 6 out of 7 of the world's largest automobile manufacturers.

Being the choice of the main car makers is the guarantee of the original quality for the Aftermarket.

CARTRIDGE CODE

27.621.00

MAIN APPLICATIONS

AUDI A1 (8X) 1.2 TFSI 63kW 86HP 08/10 04/15 ›
 VOLKSWAGEN Polo (6 RA/6C) 1.6 TDI CR (CLNA) 77kW 105HP 06/11 05/14 ›
 SEAT Ibiza V (6J) 1.4 TSI FR Biturbo (CAVF) 110kW ›

PLUS

- + High filtering performance: >50% for particles up to 19 µm
- + Low pressure drops.
- + High burst pressure resistance.
- + Oil drain system.

Media produced with **UFI.FORMULA CELL** recipe

Filtration performance: >50% for particles up to 19 µm



See all our range visiting our Aftermarket catalogue

Schaeffler OneCode

One code. Loads of benefits!



One Code

Schaeffler OneCode is a new QR code that is unique to the product in the box, and which will soon feature on all LuK, INA or FAG packaging.

One Scan

It's easy to use: simply scan the OneCode from the REPERT app or via the camera function on your smartphone. You can also visit scan.schaeffler.com to enter the OneCode manually.

One Access

One simple scan of the OneCode provides instant digital access to all the usual REPERT product and technical info, including detailed installation instructions and specifications, whilst instantly collecting REPERT bonus points for members to redeem against workshop clothing, tools and consumables in the bonus shop. That single scan also delivers an authenticity check against purchased products, providing an additional security measure for both parts suppliers and workshops, helping to reduce the chances of fitting a counterfeit part.



Latest product information

Product information and technical details for each specific repair solution can be accessed with just one simple scan. Over 40,000 references updated daily to guarantee accuracy.



Product authentication

The OneCode can authenticate your Schaeffler purchases, giving both parts distributors and garages confidence in the products they sell or fit. Do away with counterfeit products!



Detailed repair instructions

Step-by-step instructions and installation guidelines are available through the direct REPERT link. Digitally, immediately - with no time-consuming searching.



REPERT bonus points

Collecting your REPERT bonus points is now easier than ever with the OneCode. Add points with a click and spend them on valuable information or tools, consumables or clothing for your workshop.

www.repxpert.co.uk/onecode

SCHAEFFLER

NEW LOOK PACKAGING

With latest regulations and in fully recycled and recyclable boxes



COMING INTO STOCK THIS AUTUMN

With a growing market for Hybrid and Electric cars

Did you know we stock a full range of Electrician's gloves?



SuperGlove® Volt
Latex insulating glove
Class 00 - 4 / 500V-36000V

Also Available:
Canvas carrier bag (REBAG)
Leather protector gauntlet (RE-PRO)

Contact your local branch for more information

ph Polyco
Healthline

THE MIRRORS TO BE SEEN WITH!



COMPLETE MIRROR

MM9354 / MM9355
RELAY DUCATO BOXER 06-14 & 15>
S/ARM ELEC HEAT BLK W/I 5w



MIRROR COVER

MC9352 / MC9353
RELAY DUCATO BOXER 06-14 & 14>
S/ARM BLK COVER



MIRROR INDICATOR

MSP9354 / MSP9355
RELAY DUCATO BOXER 06>
MIR IND. CLR (Incl. AMB REFLECTOR)



MIRROR GLASS

MG9354 / MG9355
RELAY DUCATO & BOXER 06>
UPPER HEAT CONV



WHY CHOOSE TRUPART?

Trupart is a market leading, independent, distributor of automotive parts and lighting products to the automotive aftermarket. With over ten thousand part numbers, range development is an on-going process based on close links with both customers and suppliers.

For more information contact us in branch today!


POLYGARD®


Professional Products for Professional Users



20 litres

Brake & Clutch Cleaner

Fast acting
Leaves no residue
Eliminates brake squeal

Dot 4 Brake Fluid

Bag-in-box technology
minimises water absorption Easy
to dispense with built in tap



5 litres

Call your local branch to order yours today.

BATTERY CARE DEALS



Safe and easy-to-use smart battery chargers. For traditional and Stop/Start batteries.

- 7-Stage charging process
- Large LCD display screen clearly shows voltage and charging progress
- Cold weather charging mode protects batteries in cold temperatures



RSC804
**6/12V 4A Smart
Battery Charger**



£25.68
+VAT

RSC806
**6/12V 6A Smart
Battery Charger**



£37.46
+VAT

RSC808
**12/24V 8A Smart
Battery Charger**



£43.60
+VAT

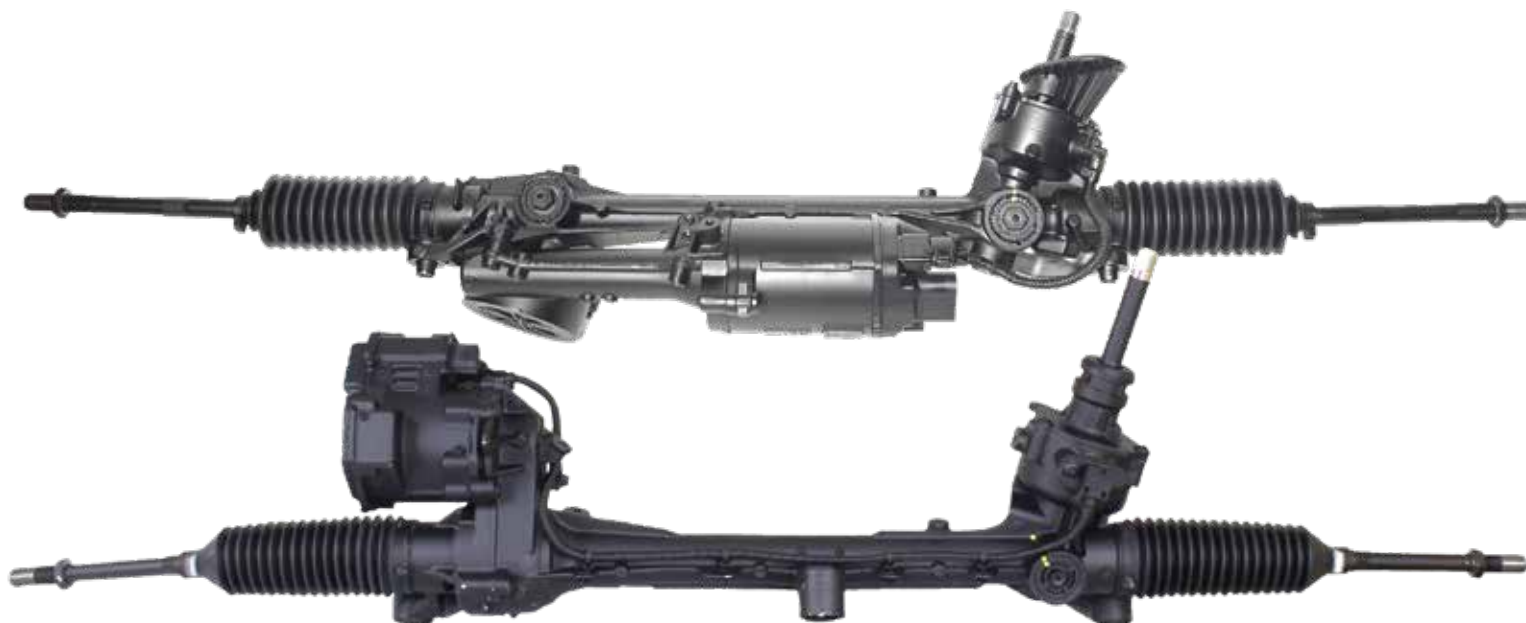
FOR MORE INFORMATION CONTACT YOUR LOCAL BRANCH TODAY

www.ringautomotive.com






 /ringautomotive



FOR SHAFTEC, THE FUTURE'S ELECTRIC!

Adrian Kitchen, marketing manager at Shaftec, offers IFA Smart Choice readers an insight into the latest EPS developments.

Up against the biggest names in OE steering, Shaftec's USP is the price benefits of offering remanufactured parts: matching OE quality, software ability and tested beyond OEM expectations – but at a fraction of the cost of a new OE unit.

Shaftec has been supplying remanufactured and new parts to the motor trade for over 20 years. The business is now firmly established as a leading supplier of aftermarket transmission, steering and braking parts. Its biggest growth area is steering; particularly electric powered steering (EPS).

"With a rise in the number of vehicles with EPS now falling out of warranty and into the aftermarket, it's only going to continue to grow," Adrian explains. "We are well prepared. We've invested heavily in R&D and our skill set and I am confident that the Shaftec brand name will increasingly become synonymous with this product area."

STEERING TOWARDS THE FUTURE

These days, you'd be hard pushed to find a vehicle rolling off the production line without EPS fitted, as standard. In line with industry trends, this makes perfect sense as the components are lighter in weight & more durable, require less maintenance, give a better response at different speeds, and necessitate less fuel consumption. And yet, there still seems to be a lack of knowledge across the aftermarket in how to deal with them effectively.

Add to this a lack of investment within the independent garage arena in the technology needed to reprogramme the parts and independents could be missing out on a large chunk of the available income stream. If your customers don't know which parts need specialist equipment to reprogramme, and then find they don't have the correct equipment, they may have to call in the expensive services of the main dealer who does – clearly increasing cost. This means they make less on the job than they anticipated, or worse still, must explain to their customer that the job will be more expensive and take longer than they had quoted. This can obviously be a deal breaker in terms of securing return business.

So, it pays to give them as much information as you can to help them defend their businesses.

FOR MORE INFORMATION CONTACT YOUR LOCAL BRANCH

Once the fundamentals of protecting the integrity of the part by careful removal and storage, they should be aware that to safeguard their surcharge, they must not cut any cables and that EPS motors must remain intact and undamaged. Failure to comply with this will result in full rejection.

After this, they move into the realms of software and programming... lots of programming.

At Shaftec we have a stringent process of formatting the software on most EPS units so that when removed from the box they are 'oven ready' to 'work' in another vehicle. We make this clear by adding a 'Tamper' label to the box to prove we've done this. In the unlikely scenario of a garage receiving a component with a damaged/broken label, they should source a replacement from their local motor factor. The part will then be returned directly to Shaftec, and we will check the product thoroughly to ensure it complies.

But this is only part of the job. As a remanufacturer, the bit we can't physically do for your customers when it comes to EPS is the actual reprogramming – because this must be done when the part has been fitted to the vehicle. Some parts can be reprogrammed using generic diagnostic tools – which garages really should invest in if they want to capture market opportunities. Certain steering systems, however, require bespoke Vehicle Manufacturer (VM) equipment to be successfully programmed for fitment. It helps massively if the garage is aware of which parts require which programming tools so that they can factor the cost of main dealer intervention into the original quote – and decide up front if they can make a profit.

Adrian concludes: "The Shaftec mantra is that range and availability are key. We remain at the forefront of range and availability within the UK for EPS. As garages must consistently evolve to cater for the new vehicle technologies entering the aftermarket, they will continue to rely on our range and products to provide affordability without the compromise on quality against an OEM unit."



FERODO®

OE. IT'S IN OUR DNA.

CHOOSE THE POWER OF PERFORMANCE.
CHOOSE FERODO.



LEADING OE SUPPLIER OF PADS TO:

ABARTH - ALFA ROMEO - AUDI - BENTLEY - BMW - BUICK - CADILLAC
CHRYSLER - CITROËN - DACIA - FIAT - FORD - GM - HYUNDAI - ISUZU
JAGUAR - LAMBORGHINI - LANCIA - LAND ROVER - LDV - MASERATI
MAZDA - MERCEDES-BENZ - MINI - MITSUBISHI - NISSAN - OPEL
PEUGEOT - RENAULT - SEAT - SKODA - SMART - TESLA - TOYOTA -
VOLKSWAGEN - VOLVO



100 YEARS OE COMMITMENT

What do you know about that new set of brake pads? Were they produced by a world's leading brake pad supplier? Have they been chosen as original equipment for nearly 25 million vehicles per year? Are they the result of 100 years of OE expertise? In other words, did they come from Ferodo® or some other brand? Because the answer really matters.

www.ferodo.co.uk

Ferodo® is a registered trademark of Tenneco Inc. or one or more of its subsidiaries in one or more countries.

PRMFE2107-EN



Our Precision, Your Advantage



Original
Equipment
Manufacturer

Double Hydraulic Stops comes to the Aftermarket



At a time where active suspension is becoming a reality in passenger cars and semi-active solutions are present in more segments than ever before, a collaboration between KYB and Citroën introduced a new suspension concept based on passive shock absorbers, but capable of approaching the high performance of the semi-active systems with significantly more competitive costs. It was developed and applied as original equipment to the Citroën C5 Aircross, which originally launched in 2017. The vehicle was nominated for the 2019 Car of the Year award and won the 2019 CarWow Comfort Award. KYB was also awarded a Supplier Excellence award from PSA following this very successful development.

This split allows the shock absorbers main valves to focus on comfort and the two hydraulic stops take responsibility when more demanding situations are encountered, thus increasing both comfort and handling performance. To achieve this effectively, both the rebound and compression stops have to be able to provide sufficient energy absorption and to have a very flexible response. This patented technology provides an unprecedented comfort level and what PSA describes as a "flying carpet effect", as the car feels like it's flying over bumps and holes in the road.

KYB Part Numbers:
3348095 & 3448033

Until now this technology has only been fitted to brand new manufactured vehicles, however, in 2022 it will be available as aftermarket parts from KYB Europe. KYB is the only company to offer these parts to the aftermarket. Currently, there are over 150,000 C5 Aircross on European roads equipped with double hydraulic stops.

Jordan Day, Marketing Manager for KYB Europe aftermarket, explains "having this technology available to the aftermarket is an exciting addition to our existing range and will allow motorists to continue to enjoy the award-winning comfort these shock absorbers offer. It's another great example of how KYB is at the forefront of OE suspension research and development".

With this technology, the total stroke of the shock absorbers can be divided into three differentiated parts for which the shock absorber will provide different characteristics. The first part corresponds to the position around the centre of the stroke. In this working area the conventional valving in the piston and the base valve provides the damping forces. The second and third parts correspond to the positions close to the end of the rebound and the compression strokes, with the hydraulic compression and rebound stops responsible for providing additional energy absorption.



kyb-europe.com



KYBSuspension



@KYBEurope



KYB-Europe



KYBEurope

Lucas

NEW

ARRIVING AUTUMN 2022



TAKE CONTROL OF THE DARKNESS.

LIGHTBOOSTER Black Edition

Our most advanced beam to date, tuned to deliver 180% more light precisely where you need it most. Enhanced with a new triple stage blue tint and chrome cap for whiter light.



ELTA Automotive Limited +44 (0)1675 466 999 | sales@elta.co.uk | www.eltaeurope.com

AUTEL

SMARTER DIAGNOSTICS

MAXISYS906S PRO

£1,795 excl. VAT

£9.53pw excl. VAT

NEW
replaces the
MS908S

Includes:

- Extended 2 years warranty
- Extended 2 years software free updates
- MaxiCVI V200 Bluetooth VCI



MaxiSYS MS906Pro is an advanced diagnostic tablet compatible with U.S., Asian and European vehicles, 1996 and newer. This 8-inch wireless Android-based touchscreen tablet performs extensive vehicle diagnostics including an all systems scan with ADAS identification, the ability to read/erase codes, view freeze frame and live data, bi-directional control including active testing, coding and adaptations. Includes customizable Pre/Post

scans, extensive service menu with 25 of the most of common maintenance tasks. FCA Access via AutoAuth account, starting and charging system analysis with MaxiBAS BT506 Bluetooth tester and terminal cables purchase, ADAS Calibrations capable (frame system and software upgrade required).


Specifications

- Android 10 OS
- Fast Qualcomm Octa-Core 2.3G + 4*A53 1.7G processor
- Huge 128GB internal memory
- 3 x Ultra fast Wi-Fi connectivity
- 8" 1920 x 1200 high-resolution touchscreen
- 5 MP front camera and 16 MP rear camera
- 11,600mAh Lithium-Polymer Battery
- MaxiVCI V200 wireless Bluetooth vehicle communication interface
- DoIP and CAN-FD compatible

Software Updates + Bolt-ons



Future 12 months Update
£575.00 excl. VAT



ADAS Software Upgrade
£850.00 excl. VAT

DS808EU

£799

excl. VAT



NOW WITH 2 YEARS UPDATES INCLUDED!

The DS808EU is Autel's base Pro-Range tool. The DS808EU is the 'little brother' of the MaxiSYS MS906 and the UK edition is loaded with the **same software as the MS906**, making the DS808EU fabulous value for money.

The DS808EU is powerful with 4 core processor, colour 7" touch screen, built in lithium battery, 32GB of internal memory + 32GB of external memory and Smart AutoVIN technology. The DS808EU is a smaller tablet than the MS906 and is not supplied with pre-OBD connectors. This stream-lining enables us to significantly lower the price to our end customers.

TS508 WIFI

£399

excl. VAT

UPDATE
USING
WI-FI



- includes:
- 2 years warranty
 - Free updates for life



The MaxiTPMS® TS508 Wifi has all the features of the TS508. In addition it has a WiFi module so you can update the tool using Wifi, rather than having to connect the TS508 to your PC.

FEATURES

- Reading and copying of universal TPMS sensors
- Prints sensor data via USB
- Autel TPMS sensors programming
- Inputs sensor ID in the control unit
- 4 x MX Sensor programming methods
- High Vehicle coverage
- Sensor learning via OBD
- TPMS Fault scanning
- TPMS DTC read and clear

For more information contact your local branch today!

Lucas

EGR VALVES

MANUFACTURED WITH PRECISION IN MIND

Lucas's range of manufactured EGR Valves has been developed over several years, to improve aftermarket EGR solutions. Our research into existing aftermarket EGR's showed that in all cases existing electronics were unreliable and in the worst cases missing components altogether.

Lucas's solution, built on over 50 years experience in the design and manufacture of Engine Management components, was to replace the electronics with custom designed PCB's, developed in our state of the art research and manufacturing facility. Improvements, through design, materials and manufacturing, are made to castings and weldings.

Designed and developed in the UK at our Nottingham Centre of Engineering Excellence, using the latest techniques and technologies, our range of EGR Valves offer a fully temperature compensated design, with each unit individually calibrated on bespoke end of line testing equipment to meet or exceed OE performance standards.

Whilst many aftermarket solutions contain traditional technologies, our parts are manufactured with the latest high performance materials, with custom designed electronics, giving our range a proven record for high performance over a long service life.

Available now, there is a solution for you. For more information, contact your local branch today!

Custom PCB Design

Developed at our Nottingham facility, replacing existing circuitry and electronics.

Validated Against O.E.

All manufactured EGR Valve components are individually programmed and calibrated on our state of the art test rigs to meet or exceed OE tolerances.

End Of Line Testing

100% end of line production testing ensures that each manufactured part is issued with a test certificate before leaving the factory.



CONCEPT

Range Coverage

Our range includes all types of EGR, from basic pneumatic to closed loop electronically actuated, to cover a high number of vehicle applications across different markets.

Centre of Excellence to improve
performance.

designs are
in house designed
to OE specification and

testing and traceability,
issued with a serialised
our facility.



DEVELOP



VALIDATE



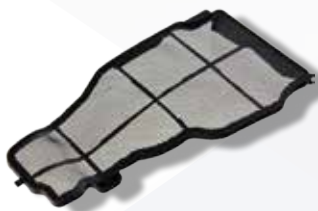
MANUFACTURE



TEST

New To Range

Cabin Filters for high voltage battery compartments



ADBP250047

Cabin Filter for high voltage battery compartment

OE No. G92DH-47060
To fit: Prius III (2008-2016)



Extensive Range - All-makes range of more than 2,750 filtration components, covering over 90% of all passenger cars and LCVs on Europe's roads*, following a 'Fast-to-Market' philosophy with new filters



Highest Quality - all Blue Print filters are designed and manufactured to meet OE standards and undergo a stringent 3-stage quality control process

You can rely on Blue Print to have all the latest applications available.

Recent Fast-To-Market introductions include:



ADBP210111
Oil Filter

OE No. 07P 115 562 B
To fit: Bentley Continental GT (2017-)



ADBP220086
Air Filter

OE No. 139 094 01 00
To fit: Mercedes A Class (2018-), CLA (2019-), GLA (2020-)



ADBP230048
Fuel Filter

OE No. 16 40 330 52R
To fit: Renault Captur (2020-), Clio (2019-), Kangoo (2021-)



Fit & Forget - you will have total peace of mind with our 3-Year Manufacturer Guarantee, all products are manufactured to offer the highest degree of installation safety and durability



 Right First Time®

www.blue-print.com

bilsteingroup®



SGS GASES

RENT FREE
WELDING
GAS

www.SGSgases.co.uk

ARGON MIX - PURE ARGON - OXYGEN - PRO FUEL - NITROGEN

10L Oxy Pro Fuel Kit

1 x SGS OXY10 • 1 x SGS FUEL10 • 1 x SGS PFK10LW

PFK10LW Includes:

- | | |
|---------------------------------|------------------------------------|
| 1 x Oxygen Regulator | 1 x Lightweight Cutting Attachment |
| 1 x Pro Fuel Regulator | 1 x L/W #5 Welding Nozzle |
| 1 x 10L Trolley | 1 x L/W #7 Welding Nozzle |
| 1 x Oxygen Flashback Arrestor | 1 x L/W Heating Nozzle |
| 1 x Pro Fuel Flashback Arrestor | 1 x FN Cutting Nozzle |
| 1 x 5m, 6mm Oxygen Hose | 1 x Cuplighter + Flints |
| 1 x 5m, 6mm Pro Fuel Hose | 1 x "Sports-type" Bag |
| 1 x Lightweight Shank | 1 x Spanner |
| 1 x Lightweight Mixer | 1 x Goggles |



NOT QUITE LARGE ENOUGH?
THERE IS A 20L VERSION! ASK FOR PART
NUMBER SGS PFK20LW AT YOUR LOCAL BRANCH!

Please note: PFK10LW does not include cylinders, which are sold separately.

www.SGSgases.co.uk

Our full range of products are all available at your local branch!



DRIVEN BY POSSIBILITY™

OE QUALITY SOLUTIONS



A BROADER RANGE OF GATES OPTIONS TO MATCH LOCAL MARKET DEMAND

A leader in the design and development of high-technology automotive products, Gates has an established OE pedigree and over 100 years of experience in hose manufacturing. High quality production processes and OE quality performances are attributes synonymous with hose products sold under the Gates brand. New references continue to be added to each range as the demand for OE replacement quality hoses gathers pace. Select Gates-branded replacements or a wide range of applications from:

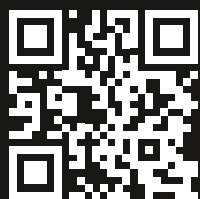
- Turbocharger Systems
- Cooling Systems
- Fuel Systems
- Air Systems

All Gates hoses are designed as a first time fit. They are made from proven OE quality materials and where appropriate, they are fitted with the same fast fitting connectors installed as OE.

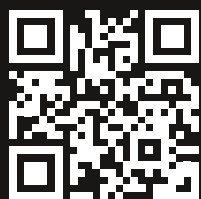
SYSTEMS SUPPORT FOR GATES SUPPLIERS

Turbocharger hoses, cooling system hoses, fuel system hoses and hoses for air systems are all available from Gates suppliers. The latest part numbers in each range have been introduced in response to installer demand that's already being generated at garage level.

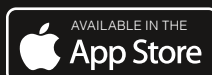
Gates. For comprehensive OE quality solutions



GATESTECHZONE.COM



GATES AUTOMOTIVE CATALOGUE APP



© GATES 2021 - All rights reserved.

COOLING SYSTEM



FUEL SYSTEM



AIR SYSTEM



TURBOCHARGER SYSTEM



DID YOU KNOW?



FULL SPEC. FULL STOP.™

Apec also stock a wide range of consumables to ensure a smooth and hassle free fitting of the Apec range.



GREASES • BRAKE FLUID • BRAKE CLEANER • SUNDRIES



Confidence comes from within

The Importance Of LSPI

Not treating LSPI problems can result in severe implications



What Is LSPI?

Low Speed Pre-Ignition (LSPI) refers to the phenomenon when the fuel air mixture ignites sooner than the engine designer intended - ignition occurs before the plug sparks. A characteristic to look out for is the noise of LSPI, which can be identified as a strong, loud sound known as 'knocking'.

Potential Impacts of LSPI

The pre-ignition causes an excessive pressure to build up inside the cylinder, which, if mild, can simply cause abnormal engine noise, but if severe, will cause damage, such as fractured pistons, and potentially complete engine failure. The peak pressure observed during LSPI may be three times that encountered when the engine fires.

How Can You Prevent LSPI Issues?

As a workshop owner/technician, you can be aware of the issue. Awareness is always the first and most important step.

If the car is experiencing LSPI problems, double check that the correct oil is being used. Using Comma's application tools will provide you with the right oil for these vehicles based on the very latest information from the OEMs.

For more information surrounding our product recommendations and 100% Compatibility Guarantee, visit CommaOil.com



MAHLE ArcticPRO®

Powerful models for your A/C service

MAHLE

ACX310 (R134A)



ACX410 (R1234YF)



These units are cutting edge when it comes to connectivity and ease of maintenance, with Bluetooth and WiFi, a large touch screen, a status monitoring app, and remote service.

The new
generation
of service units



ACX 310 & ACX 410 Features

- 2x Dedicated machines - ACX 310 for R134a, and ACX 410 for R1234yf
- Although our entry level machines, the MAHLE ACX 10 series come with a very high specification, usually only found on high end units
- Fully automatic, powered by internal and updateable vehicle databases – No taps or manual valves on any of the ACX range
- Hybrid ready for safe working procedures on EV vehicles. (Inexpensive optional upgrade kit required)
- 12kg Refrigerant pressure vessels
- 3mtr Service hoses - extendable up to 6mtrs
- Exceptional build quality with compact, lightweight design for flexible and rugged use - Ideal for mobile AC service
- All ACX machines include a vehicle performance test function to help identify any system issues, such as leaks, avoids waste of expensive refrigerant
- No heater blankets needed – MAHLE patented refilling technology that is much faster and more efficient, 100% fill is always guaranteed
- Highest vacuum on the market at a minimum level of 0.02 Mbar and the fastest fill rate through the use of high quality vacuum pumps and compressors with extremely tight engineering tolerances
- Optional agricultural and construction machinery database available at extra cost
- Two Year Warranty

Features	Technical data
E ³ – FILL E ³ – PUMP	Dimensions: 544 x 617 x 957 mm
High-Resolution display	Weight: 65 kg
Database for service data (R134a ACX 310 - R1234yf ACX 410)	Reservoir capacity 12ltr
Easy activation via App	Export of reports as pdf files via USB pen drive
Non condensable gas: Automatic check/manual release for ArcticPRO® ACX 310; Automatic for ArcticPRO® ACX 410	Optional: E ³ – CONNECT; Thermal printer for customer reports; Hybrid Function; N-Leak test Function (with external optional kit); Gas identifier; Agricultural and construction machinery database (ACX 310 only)
Oil bottles: 2 (fresh oil, used oil)	
Remote assistance (ACX Manager - USB)	

WWW.MAHLE-AFTERMARKET.COM
WWW.MPULSE.MAHLE.COM

MAHLE



FLUSHING AIR CONDITIONING KEY TO SYSTEM LONGEVITY, SAYS MAHLE

- Latest technical bulletin points to importance of flushing A/C systems
- This is critical to prevent component damage, warns MAHLE

Thermal management specialists MAHLE has reminded technicians of the importance and benefits of flushing air conditioning systems.

During repair work, or changing the air compressor, it's crucial that the air conditioning system is cleaned out, as harmful substances and solids can form in the refrigerant circuit, leading to component damage.

In its latest technical messenger bulletin, MAHLE offers six key prompts to clean the system and avoid consequential damage.

The first prompt to flush the A/C system is when the compressor has suffered mechanical damage such as where the oil contains metallic abrasion particles or swarf.

If there are foreign substances in the system, like sealant, desiccant granules, or rubber particles, the consumables in the system should be replaced and the system cleaned. If the quantity or type of compressor oil in the system is unknown, this presents a risk of overfilling or incompatibility, and in these instances the system should be flushed.

Technicians risk malfunctions, such as clogging of the valve plate, if the amount of UV dye is too high, or if there is moisture in the system. If the new compressor doesn't have an oil drain plug to adjust the oil quantity, the air conditioning system must be completely emptied of oil before installation to prevent overfilling.

MAHLE's technical bulletin prescribes the correct flushing method, with vehicle manufacturers advising use of an A/C service unit, a separate flushing kit with interchangeable prefilter, and refrigerant.

Technicians should always flush against the normal direction of the refrigerant flow. Some components cannot be flushed, so they need to be bypassed or replaced with adapters. Examples include filter-driers/accumulators, compressors, expansion valves, and fixed restrictors.

Most modern condensers can't be flushed because of their parallel flow design and combination with the filter-drier. Only older types, so-called serpentine condensers, can be reliably flushed. In vehicles with a second evaporator in the cabin, this must be flushed separately.

Each flushing cycle should be completed three times, and the prefilter on the flushing unit should be replaced after each vehicle (flushing process).

Once all the removed or replaced parts have been refitted, a leak tightness test must be carried out, followed by evacuation of the system for at least 20 minutes.

MAHLE also recommends that after the flushing has been completed the filter-drier is replaced. This removes the chance of any contaminants that may be in the old filter-drier working their way around the system.

If it is not replaced, these contaminants could cause damage, as the filter-drier is bypassed on the flush, meaning this part of the system isn't cleaned out of any potential contaminates.

MAHLE[®]

FOR MORE INFORMATION CONTACT YOUR LOCAL BRANCH



Our Solution – Your Benefit

Transmission Oil & Filter Service Kits

febi Transmission Oil and Filter Service Repair Kits **save you time and money**. Containing all the parts needed for a professional transmission oil change with a single part number.

Our kits cover more than 10,000 applications and include **high-quality** filters, seals and installation materials, along with, certified “Made in Germany” transmission oil.

Don't spend time looking for the individual parts, think febi for a quick, easy and professional solution.

Why febi?



Perfectly Combined

- ✓ From high quality filters, seals and screws - to oil pans and the correct oil “Made in Germany”



Faster & Easier

- ✓ Receiving the necessary components for a complete repair
- ✓ Saving time and money
- ✓ Quick and easy replacement



The Complete Solution

- ✓ Regular oil changes prevent premature wear and increase gear shifting comfort
- ✓ New transmission oil contributes to lower fuel consumption and reduced CO₂ emissions



SOLUTIONS
DRIVEN BY YOU

www.febi.com

bilsteingroup®



facebook.com/ngksparkplugsuk



NGK UK YouTube



instagram.com/ngkntk_uk



NGK Spark Plugs (UK) Ltd



ngkntk.com/uk



VEHICLE
ELECTRONICS

CONTROLLING NOx EMISSIONS IS MORE IMPORTANT THAN EVER

REDUCING POLLUTANTS IS GOOD FOR THE PLANET, GOOD FOR YOUR HEALTH BY HELPING COMBAT RESPIRATORY PROBLEMS, GOOD FOR YOUR CAR'S PERFORMANCE AND GOOD FOR YOUR POCKET.

NTK's EGR valves can help reduce the amount of nitrogen oxides – also called NOx or pollutants – that are produced during an engine's combustion process as well as helping to increase engine efficiency and reduce fuel consumption – vital in today's tough economic environment.

Today, 100 percent of diesel cars are equipped with EGR valves and 30% to 50% of petrol cars. Many new models will even be equipped with two EGR types (low pressure and high pressure), which means that the replacement part market for these types of valves is likely to grow, corresponding to the level of demand.

The principal function of the EGR (Exhaust Gas Recirculation) system is to reduce the amount of harmful nitrogen oxides (NOx) that are produced during the combustion process.

NOx is created when high combustion temperatures enable the nitrogen and oxygen present in the air-fuel mixture to combine. NOx formulates when the combustion peak temperature is high so the target is to reduce this temperature.

How does the system work?

The higher the oxygen (O2) content is of the charge entering the combustion chamber, the higher the burn temperature. Recirculating some of the exhaust gasses into the inlet side of the engine has the effect of reducing the amount of O2, which lowers combustion temperatures and reduces NOx emissions.

Why is a valve required?

There can be a compromise between the reduction of NOx emissions and engine efficiency. Too much exhaust gas in the intake charge when the engine is cold would make combustion very unstable and the engine would not run smoothly. At high engine loads too much exhaust gas in the intake charge would cause a reduction in power output.

Diesel engines can suffer with excessive black smoke. So hence the valve needs to be controlled accurately to maintain good drivability throughout all operating conditions.

For more information about NTK EGR valves please visit the NGK website at www.ngkntk.com/uk



LAMBDA : NOx : EGR : EGT : MAF/MAP : CAMSHAFT & CRANKSHAFT SENSORS & VALVES

In Partnership With:

metelli

• Water Pump & Belt Kits

5 Year / 60,000 Mile Warranty On All Kits*

• Brake & Clutch Hydraulics

• Water Pumps

Stocked At
Your Local IFA
Member



*Subject to product registration www.metelligroup.it



faiauto.com

metelli

100% Manufactured
in Mondivi - ITALY

LAUNCH UK

www.launchtech.co.uk

NEW



ONLY £2495

5 Year Lease £13.24pw

3 Years of Software Updates

£2795

5 Year Lease £14.84pw

INCLUDES Haynes Pro Electronics!

AVAILABLE AS STANDARD

2 Years of Software Updates

PLUS: 2 years warranty!

X-431 PRO 5 LINK

- Local intelligent diagnostics
- Remote diagnostic, using the Launch SRD platform
- Compatible with multiple protocols
- Supports DOIP and Pass Through Technology
- One year Launch CarSet electronics powered by Haynes Pro

NEW



ONLY £4750

5 Year Lease £25.21pw

3 Years of Software Updates

£4999

5 Year Lease £26.53pw

INCLUDES Haynes Pro Electronics!

AVAILABLE AS STANDARD

2 Years of Software Updates

PLUS: 2 years warranty!

X-431 EURO TAB III

The Euro Tab III is a newly-developed high-end vehicle diagnostic device. Using the Android 9.0 operating system the Euro Tab III builds on the highly regarded Launch diagnostic technology, offering worldwide vehicle coverage, powerful diagnostics and numerous special functions.

New for the Euro Tab III is the Smartlink® C VCI. This advanced module allows for communication.

- Supports Topology, DOIP and Pass Through Technology
- Remote diagnostic, using the Launch SRD platform

X-431 PRO 5 PLUS

- OS: Android 9.0
- CPU: 1.8 GHz 8 Cores
- 4GB memory
- Internal 64GB
- + microSD card 32GB
- 10.1" touch screen
- Battery: 7000mAh
- Wifi: 2.4GHz and 5GHz
- Camera: Front 5MP, Rear 8MP

ONLY £1950

5 Year Lease £10.35pw

1 year Haynes Pro Electronics!

2 Years of Software Updates PLUS: 2 years warranty!

X-431 PRO Turbo

- OS: Android 9.0
- CPU: 2.0 GHz 4 Cores
- Internal memory: 3GB
- Storage: Internal 32GB
- Screen: 8" 1280x800 IPS
- Battery: 5000mAh
- Wifi: 2.4GHz and 5GHz
- Camera: Front 2MP, Rear 5MP

ONLY £1395

5 Year Lease £7.40pw

2 Years of Software Updates PLUS: 2 years warranty!



CRP 129 EVO

- Full OBD II functions
- Data record and replay
- DTC read and clear, Livedata of 4 systems (Engine, AT, ABS, SRS)
- Diagnostic report
- Feedback function
- Software online update

ONLY £329



X431 EURO TAB 2

X431 Euro Tab II is a high end diagnostic tool with docking station. Developed around Android version 7.1 with new features such as DOIP, J2534 pass-through online programming, DCT-based database, intelligent diagnosis, etc. It inherits all the excellent functions of the previous generation tool. It supports dual 5GHz WiFi communication.

- 10" SCREEN
- WIFI
- ANDROID
- BLUETOOTH

X431 EURO TAB 2 ONLY

£3250

5 Year Lease £17.25 pw

Automatic Transmission Cleaner & Fluid Exchanger

- Detergent based cleaning cycle
- Standard adapter set PLUS optional set cover most vehicles
- Connects to most transmission units, including double clutch & CVT types
- One year FREE access to Launch UK database:
 - transmission type
 - fitting location photographs
 - oil quantity
 - oil level check points
 - correct adapters
 - correct procedures

ONLY £2995

5 Year Lease £15.90 pw

'Sealed for life' transmissions are a thing of the past

Smoother gearshifts

New synthetic fluid restores lubricating & friction coefficients to original specifications

A lucrative opportunity for new work!

Automatic transmissions are no longer 'sealed for life'. Vehicle manufacturers have started to add a complete fluid exchange in the service schedule at around 75,000km (46,000 miles).

Just draining removes only 45% - 60% of the transmission fluid, as the fluid does not drain out of the torque converter, cooler lines, valve body, etc. The CAT501S consistently and reliably provides a 99.9% fluid exchange thanks to the load cell weighing technology and advanced software.



Bluetooth Battery Tester



BST360 ONLY **£85**

TS Gun (TPMS Wand)



1739 ONLY **£195**

SMOKE 1 AUTOMOTIVE DIAGNOSTIC LEAK DETECTOR

The Launch UK SMOKE 1 leak detector has been specifically engineered for vehicles sold in the EU.

- Operating at higher pressure than EVAP models the SMOKE1 is perfect for quickly finding leaks in petrol and diesel turbo systems. The smoke vapour will find leaks in many closed systems such as intercoolers, exhaust systems, intake manifolds, wind and water leaks etc, etc.

SMOKE 1 ONLY **£395**



For leasing Terms and Conditions please see page 2.

To find out more, please visit www.launchtech.co.uk or ask your local branch.

EuroFlo

ULTRA PREMIUM EMISSION SYSTEMS

EuroFlo is completely focused on ticking every box in the ongoing quest to deliver
THE MOST POWERFUL EMISSIONS PROGRAMME

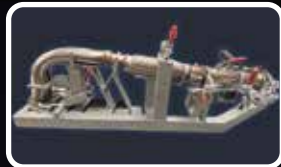
- ✓ Ultra-premium quality
- ✓ Industry leading 3 Year Warranty
- ✓ Unbeatable competitiveness
- ✓ Relevant & rapid development programme - A minimum of 15 new references each month
- ✓ Industry leading range
- ✓ Industry leading availability
- ✓ The best, most accurate cataloguing
- ✓ Fast & frequent logistics to the vast majority of stockists



Robot Welders



'Bullet Proof' Jigs



ISO 9001/TUV manufacturing facilities



O.E. Benchmarking



Leak Testing



The

EuroFlo
 ULTRA PREMIUM EMISSION SYSTEMS
 www.euroflo.co.uk



EuroFlo
 ULTRA PREMIUM EMISSION SYSTEMS

Ultra-Premium Quality
 Largest Range
 Highly Competitive Pricing
 Fully Aluminized - Inside & Out

Best Cataloguing
 Near 100% Availability
 Unique 3 Year warranty
 Extended Product Life - Guaranteed



EuroFlo
 ULTRA PREMIUM EMISSION SYSTEMS
 www.euroflo.co.uk



NO BRAKING FOR UK SUPPLIER, BRAKE ENGINEERING

LOCATION, LOCATION, LOCATION

Remanufacturing is currently buoyant and it's important that braking brands have the right systems and processes in place to meet the requirements of an ever-changing automotive aftermarket.

With its remanufacturing processes carried out in the UK, Brake Engineering has led the market in the production of calipers for over 40 years, and with the exceptional efficiencies installed at its Wrexham-based facility, it is able to meet this increasing demand and continue to offer calipers of premium quality and increased complexity while still remaining competitively priced, without disruption to supply.

The company is in complete control of the manufacturing process, reconditioning, re-engineering and remanufacturing parts to the highest standard before adding them to its range. It is this attention to detail that is driving demand for Brake Engineering products in the automotive sector.

All wearing parts are replaced with brand new components and the caliper housing is also given a corrosion resistant, zinc-plated finish that abides by current EU legislation. The caliper is then pressure tested to strict quality guidelines, with batch marking being used for essential traceability.

These systems and processes enable the braking specialist to equip people with the skills required to carry out remanufacturing either through long-term employment or when it needs additional personnel to cope with an upsurge in demand.

REMANUFACTURING OPPORTUNITIES

Education is key. With such a safety-critical product group such as braking, it's essential the quality is in place right the way through the supply chain that offers full traceability and support to distributors and workshops.

Brake Engineering has a "Core Process" poster available to customers, designed to demonstrate its very thorough approach to remanufacturing, which takes place at its Wrexham-based facility.

There are significant opportunities for remanufacturing in the automotive sector, but only if companies like Brake Engineering continue to maintain a focus on quality.

QUALITY FIRST

Currently, there are a number of 'new' calipers entering the market. Brake Engineering has tested some of these calipers being sold on to independent garages. While these products may fit, their performance has been found to be severely questionable.

Brake Engineering is now taking steps wherever possible to highlight the quality of its range to customers and support them with taking the message further. Extensive research has found a demand for quality and support from independent garages and so it's important distributors meet these expectations with a product range that is backed-up with technical expertise and parts traceability.

THE BENEFITS OF ORIGINAL AFTERMARKET

Original Aftermarket distinguishes Brake Engineering's position in the marketplace. The term "Original Aftermarket" comes from extensive market research undertaken by Brake Engineering in the automotive industry. This research was designed to determine what customers expect from a supplier in terms of service, range, availability, reliability and support.

From the results and subsequent analysis, the term has become a positioning statement for the brand and demonstrates the level of added value service that sets Brake Engineering apart from anyone else.

The term Original Aftermarket is clear in its message to customers and promotes transparency in areas such as product quality, technical support and customer service.

Existing terms to promote a company's credibility and expertise have only served to confuse the market. It should be expected that parts quality in the automotive aftermarket is of the highest possible standard - it is the norm for Brake Engineering.

Original Aftermarket encompasses all Brake Engineering has to offer and lays bare its unrivalled dedication to the automotive aftermarket. Range development, customer service, stock profiling and marketing, to name but four, demonstrates its commitment to aftermarket businesses.

The company is committed to working alongside motor factors and garages and wants them to buy in to Brake Engineering's full line braking parts solution.

Since launching in 1981, the Brake Engineering brand has led the market in the supply of remanufactured brake calipers evolving to the point where it is widely regarded as the "must-have" brand for full line braking parts supply, which comprises pads, discs and calipers.

This is in response to calls from technicians that want to fit the full range of Brake Engineering products to ensure the correct fit of parts, compatibility and, to receive the very best technical support.

**FOR MORE INFORMATION OR TO PLACE YOUR ORDER
CONTACT YOUR LOCAL BRANCH TODAY!**

BRAKE
ENGINEERING

YOU NEED IT... WE'VE GOT IT! JUST CALL OR CLICK FOR MORE.

LASER[®]

GET YOUR HANDS ON THESE GREAT DEALS!

OIL PRESSURE CONTROL SWITCH SOCKET - FOR MERCEDES-BENZ M651 DIESEL



8376

ONLY £16.95

3-IN-1 RIVETER, RIVNUT & REAMING TOOL



8355

ONLY £59.95

ENGINE CRANE 1 TONNE



8337

ONLY £349.95

PORTABLE HEAT GUN 300w



8377

ONLY £20.95

DIFFICULT ACCESS MASTER SOCKET SET 3/8" D 12PC



8384

ONLY £69.95

STRUT SUPPORT FOR TRANSMISSION JACKS 17mm x 19, 21 x 23mm



8351

ONLY £89.95

TO PLACE YOUR ORDER CONTACT YOUR LOCAL BRANCH TODAY!



Autocharge UK

Starters & Alternators

Over 240 OEM units, including, Audi, BMW, Citroën, Ford, Jaguar, Land Rover, Peugeot, Seat, Skoda, Vauxhall, VW...

We are **specialists** in sourcing late model **OE** units

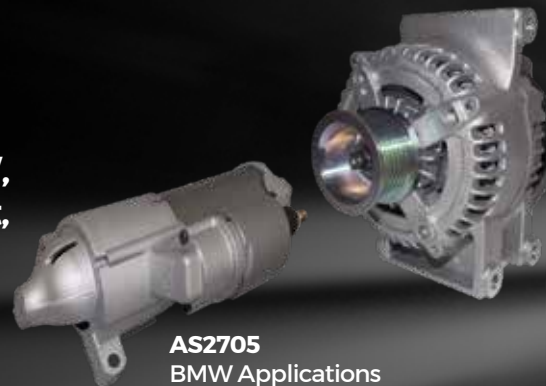
With **3500+** Part Numbers Currently Catalogued.

Offering **98%** UK car **parc** coverage.

Our Catalogue is researched to **Original Equipment listings**, giving you confidence the **correct parts** are **supplied first time**.

All suppliers are **ISO 9001** & **BER 14001** certified.

Original Equipment Units



AS2705
BMW Applications

AA8015
Vauxhall Applications



AS2712
Ford Applications



AA8010
Jaguar/Land Rover Applications

FOR MORE INFORMATION CONTACT YOUR LOCAL BRANCH

PRUDENCE, PERFORMANCE AND PROFITABILITY

LUCAS OIL'S DAN MORGAN HIGHLIGHTS SOME PRACTICAL ADVANTAGES FOR FUEL AND OIL ADDITIVE USERS.



Soaring oil prices, driven by the prevailing geopolitical conditions in Eastern Europe, make improvements in engine performance, fuel economy and MPG some of the key issues on the minds of many garage customers at this time.

Members can turn to suppliers such as Lucas Oil, one of the world's leading oil, lubricants and additives manufacturers for technical information and marketing support to help promote some of the alternative solutions that are already available.

UPPER CYLINDER LUBRICANT

A clean engine retains its power, is more responsive to the accelerator and more fuel efficient. Once added to diesel or petrol tanks, Upper Cylinder Fuel Lubricant is the fuel additive that restores lost power, delivers better ignition and improves MPG.



It helps to flush away the tars and lacquers that build up inside the engine, removes the deposits that will otherwise lead to clogged-up injectors. Results are achieved quickly. That's why millions of garages around the world use it so successfully in petrol engines and diesel driven engines when vehicles need extra help to get through increasingly stringent MOT emission tests.

DIESEL DEEP CLEAN

This is a product with a reputation for cleaning injectors, restoring power and increasing MPG but its prowess as a cleaner of DPFs is often underestimated.

When added to the fuel tank, Diesel Deep Clean removes and dissolves harmful exhaust products that could plug the DPF. That makes it a preventive maintenance tool that mechanics can use, whole promoting the preventive maintenance benefits to the car owners themselves. Regular use of Diesel Deep Clean increases intervals in DPF regenerations, which reduces the risk of engine damage from forced regens, that can sometimes be required if carbon build up is left unchecked.

When garage customers are looking for an additive that can help achieve the aim of saving their customers money over the long-term, while adding to the revenue streams in the garages right now, this has to be a leading contender.

SAFEGUARD ETHANOL FUEL CONDITIONER

The introduction of E10 petrol fuels in September 2021 forced many motorists to check the compatibility of their cars with these fuels. As many as 600,000 vehicles currently on our roads aren't compatible with E10.

The prevailing myth is that damage will only affect the classic car market and older family runabouts. The reality is very different. Other vehicles, such as boats, aircraft, ATVs and different kinds of leisure craft are unlikely to be compatible. Then there is a wide range of petrol-driven garden machinery to think about.

Without protection, the gradual deterioration of certain rubber compounds used in existing fuel systems will lead to internal rupturing of rubber pipework. Meanwhile, as ethanol continues to absorb water from the air, rising levels of water in fuels is accelerating rust corrosion inside engines and exhaust systems.

The team of engineers at the Motor Museum, Beaulieu, has been protecting its valuable collection with Lucas Oil's ethanol buster for several years. Ethanol corrodes from the inside, adversely affecting rubber pipework and seals. It can also remove tin content from lead solder, so that joints in older fuel systems can become porous.

HEAVY DUTY OIL STABILIZER

Finally, it's important not to overlook the influence that engine lubricants will exert on engine efficiency, fuel economy and emissions output.

Engine sludge builds up as poor-quality oils begin to fail and when good quality oils are infrequently changed. As well as adversely affecting power output and consequently MPG, engine sludge can cause problems relating to oil pressure and engine overheating.

Heavy Duty Oil Stabilizer is an additive that fortifies existing engine oils. It acts to prevent the build-up of engine sludge but also enhances engine wear and protection against dry starts – the most common cause of engine damage. It proved an ideal engine oil additive during lockdown, because when so many vehicles were left standing for long periods and engines oils drained down into the sump, Heavy Duty Engine Stabilizer leaves behind a film of protection that coats every moving part.

If fuel price rises continue and more consumers begin to leave cars on the driveway in a bid to conserve fuel, more and more engines will require the extra protection that it can deliver.

CONTACT YOUR LOCAL BRANCH TO FIND OUT MORE



“From small city cars to
44-tonne trucks,
Allied Nippon stops the lot!”
- Richard Newman, Braking Product Manager

WORLD CLASS BRAKING



Braking is in our DNA. Since Allied Nippon was founded in 1982 the brand has specialised in friction and our products support a plethora of OE, private label and aftermarket customers around the globe.



ONE OF THE BIGGEST
'E' CERTIFIED BRAKE PAD
RANGES IN THE WORLD



www.allied-nippon.eu

INDUCTION HEATERS

GREAT DEALS ON GARAGE EQUIPMENT EVERY TIME

GYS

INVEST IN THE FUTURE

GYS Powerduction 37LG Heat Induction Pack (incl trolley & alloy wheel inductor) 3700Watt U71102

THE IDEAL TOOL FOR MECHANICAL AND MAINTENANCE APPLICATIONS

- Single phase 240V - 3.7kW
- Heats M10 bolt in 1 second
- Suitable for Automotive Maintenance workshops

Induction is a versatile heating process providing instant and powerful heat to release/separate dissimilar metals or preheat steel or aluminium for a range of purposes.

- Seized wheel nuts • Brake bleed nipples
- Exhaust manifold bolts • Brake discs • Brake hoses
- Exhaust flanges • Exhaust pipes • Shock absorber nuts
- Loosening bolts • Removal of steel or aluminium parts
- Straightening bent frames

ONLY **£2499.00**
£13.26 per week

Finance options available. See page 2 for Terms and Conditions.



As Seen on Workshop Diaries



SCAN THE QR CODE TO FIND OUT MORE



Ask your local branch for a demonstration

Induction heating is the process of heating metal by electromagnets; this makes induction heaters a safe alternative to using an oxy acetylene torch around the workshop.

Removing oxy acetylene bottles from a workshop could save up to 30% on your workshop insurance.

GYS Powerduction 10R Induction Heater 1200Watt 068643

AN ERGONOMIC MULTI-APPLICATION TOOL

- Single phase 240V - 1.2kW
- Heats M10 bolt in 10 seconds
- Suitable for Light Auto workshops, Light Maintenance work

EASY TO USE



As Seen on Workshop Diaries



SCAN THE QR CODE TO FIND OUT MORE



ONLY **£555.00**

Ask your local branch for a demonstration

TO FIND OUT MORE, CONTACT YOUR LOCAL BRANCH TODAY!



Technology with Vision

HELLA BRAND NEW STARTERS AND ALTERNATORS



Brand New Units. Hassle-Free.

PREMIUM STARTERS AND ALTERNATORS
FROM THE BRAND YOU CAN TRUST



For more information contact your local branch.

Everything
that drives
works
better with
LIQUI MOLY.

**LIQUI
MOLY**

**MOTOR OILS
ADDITIVES
CAR CARE**

www.liqui-moly.com



Fast Facts

- Klarius has components available to fit 28 million vehicles on UK roads
- Every applicable Klarius component is type-approved
- Klarius supplies parts for automotive manufacturer OES programmes
- All Klarius parts are tested in-house at its dedicated R&D facility
- Klarius offers exhausts to fit complex hybrid vehicles



Quality UK exhausts delivered through the IFA network

Klarius puts quality first, so that garages can be completely confident that not only is the exhaust system component they need available, it will also match - or even exceed OE performance.

Helping you deliver a fast, easy and long-lasting vehicle repair.

Quality guaranteed

Every exhaust in range comes with a Fit First Time guarantee and a 2-year warranty. More than that, our aftermarket exhausts are designed to match or exceed the performance of the OEM part. We can prove it too.

All applicable exhaust components in our range are type-approved. This European legislative standard, independently verified by the Vehicle Certification Agency (VCA), means that an exhaust matches the design, quality and performance standards of the original component.

Klarius exhausts are quality, its official!

We achieve this by rigorously testing all our products on vehicles of correct make, model and production year – so that our exhausts are perfect replacements for whatever is on the garage ramp.

- 2-year warranty and Fit First Time guarantee as standard
- Independent type-approval ensures OEM matching exhaust performance
- Rigorous testing on correct vehicles for ultimate suitability

Making garage owners, technicians & customers happy...

If you supply a quality exhaust for your customer, you'll both be happy. For you, Klarius exhausts mean a much faster, easier repair. As a result, you'll be finished and onto the next job before you know it. Quality always delivers a time and money saving.

All applicable Klarius components are type-approved, meaning they meet or exceed OE specification. As proven in a test carried out by Longbridge-based Emission Test Facility UK, a Klarius exhaust delivered more miles per gallon than a non-type approved competitor exhaust. For the driver this means better fuel economy and an average fuel cost saving of £25 every year!

You'll get positive feedback from the motorist too. A premium quality Klarius exhaust will last longer than any inferior counterpart, delivering trouble-free motoring for longer. The vehicle owner will be pleased with the quality and quickness of the repair, which will boost customer satisfaction and your reputation as a garage. Everyone is happy.

- Quality exhausts mean faster and easier repairs
- Klarius components provide a long-lasting repair
- Increased customer satisfaction

Super service

With our next morning UK delivery to stockists and distributors, the largest available range nationwide and proven OEM quality – there is no reason to compromise when ordering an exhaust for your customer. Klarius is best.

Choosing a Klarius exhaust means easier repairs, improved customer satisfaction and trouble-free motoring. By trusting us and our strict quality controls, you can avoid wasting time and deliver the best possible service to your customers. In all cases, a quality exhaust means a quality service.



Klarius components are rigorously tested in-house at its dedicated R&D facility



Klarius' exhaust quality means less time on the ramp

For more information contact your local branch today!

ASC009

ALTERNATOR + STARTER HYBRID

rollco®
MOVING PARTS



NEW TO RANGE OEM UNIT

Valeo i-StARS starter-alternator
Voltage 12v Output 210A

FITS AUDI A4, A5, A6 & A7
REFERENCE: LRC00009

OE NUMBERS
2723447B, IST60S031, IST60S061, 06L903018F
06L903018H

With more than 40,000 references worldwide, Rollco is one of the largest suppliers of aftermarket vehicle parts in the UK.

**To find out more or to place your order
contact your local branch today!**



TECHNICAL HOTLINES

NEED SOME ADVICE TO FIT A REPLACEMENT PART? OR HELP FINDING IT? OUR COMPREHENSIVE CHECKLIST PUTS ALL THE CONTACT DETAILS FOR THE SUPPLIER YOU NEED AT YOUR FINGERTIPS!



APEC 


T TECHMATE: 01174 288090
e TECHMATE@apeckbraking.co.uk
w www.apeckbraking.co.uk/
Services/Technical-Support.aspx

CARWOOD 

T Carwood Birmingham 01215
529 524 | Ollerton Turbocharger
Facility 01623 867 999
w www.carwood.co.uk

GYS 

T 01926 338609 (main number)
tech guide to working safely
with batteries:
w www.gys-welding.com

NISSENS 


T 02476 470340
e Engine cooling: dr@nissens.com
e AC products: data@nissens.com
w www.nissens.com

SNAP-ON 


T 01553 697233
e ukequipment@snapon.com
w www.uk.hofmann-equipment.com

AST TOOLS 

T 01527 522 550

CDTI 

T 01883 621 048
e info@cdti.com

HELLA 

T 01295 662400
w www.hella.com/techworld/uk/

PICO 


T 01480 396 395
e support@picotech.com
w www.picotech.com

TECALEMIT 

T 01752 219100
w www.tecalemit.co.uk/
equipment-we-supply

AUTO AIR GLOUCESTER 


T 0843 3304097
w www.autoairglos.net

COMMA 


T 01474 546 318
e Comma Oil Finder
w www.uk.commaoil.com

IVOR SEARLE 

T 01353 727658
e warranty@ivorsearle.co.uk
w www.ivorsearle.co.uk

REMY 


T 0121 313 5200

TETROSYL 

T 0161 762 6789
e automotive@tetrosyl.com
w www.tetrosyl.com

AUTEL 

T 03330 129959
e hello@autel.uk
w www.autel.uk

COOLZONE AUTOMOTIVE 


T 0843 3304097

KLARIUS 

T 01538 752561
w www.klarius.eu/techtalk/

RING 


T 0113 2137329
w www.ringautomotive.com

THERMOBILE 

T 02476 357960
e sales@thermobile.co.uk

AUTODATA 


T 01628 688111

DAYCO 

e info.uk@dayco.com
w www.daycoaftermarket.com

KYB 

app Suspension Solutions App
w www.kyb-europe.com/
support-zone/

SACHS 

T 0333 240 1123
e info.zf-services-uk@zf.com
w www.aftermarket.zf.com/uk

TRUPART 


w Fitting guides:
www.trupart.co.uk/p17.htm

BECKERMANN 

T 01675 437 429
e help@beckermann.co.uk
w www.beckermann.co.uk/
www.eltaeurope.com

DELPHI 

T 0203 8161 400
e support.uk@delphi.com
w www.delphiautoparts.com

LASER TOOLS 

T 01926 818181
e technical@toolconnection.co.uk
w www.toolconnection.co.uk

SAMOA LTD 

T 01942 850600
e info@samoaltd.co.uk
w www.samoaltd.co.uk

TRW 

T 01978 667 800
e cst.uk@trw.com
w www.trwaftermarket.com

BESTPLATE 

T 01253 475217
e technical@bestplate.com
w www.bestplate.com

DENSO 

T 02476 843410
w www.denso-am.co.uk

LAUNCH 


T 01752 344989
e enquiries@launchtech.co.uk
w www.launchtech.co.uk

SCHAEFFLER 


T 01432 264264
e aftermarket.uk@schaeffler.com
w www.repxpert.co.uk

VALEO 

T 01527 838 300 (Option 2)
e vsa.uk.technical.mailbox@valeo.com

BGA 

T 01793 491 777 (option 6)
e sales@bgautomotive.co.uk
w www.bgautomotive.co.uk

DRAPER TOOLS 

T 02380341615
e sales@drapertools.com
w www.drapertools.com

MAHLE 

T 0845 688 5007
w www.mahle-aftermarket.com/eu/en/services/technical-messenger/
MPulse
(Online Mag for Garages):
www.mpulse.mahle.com/en/

SEALEY 

T 01284 757505
w www.sealey.co.uk

WIX 

T 01604 417 700
e wix.support@mann-hummel-ft.com
app Wix Catalogue App
w www.wixfilters.com

BLUE PRINT & FEBI 


T 01246 479081
e fen-technical.sales@bilsteingroup.com
w partsfinder.bilsteingroup.com

ELRING 

T 0191 491 5678
e sales@elringparts.co.uk
w www.elring.com/en/auto-workshop/technical-training-elring-academy

METELLI 

w www.metelli.com/en/
Support/Handbooks

SERENCO

T Michael Darling 07720 826350
e md@serenco.co.uk

WYNN'S 

T 02476 472634
e helpline@wynns.uk.com
w www.wynns.uk.com

BM CATALYSTS 

T 01623 663802
app www.bmcatalysts.co.uk/
technical-information/

EUROFLO 

app www.euroflo.co.uk

MISWA 


T 01604 701111
w www.miswa.com

SGS 

T 01934 751 265 (James / Alan)

YUASA 

T 01793 833 555
e info@gs-yuasa.uk

BRAKE ENGINEERING 

T 01978 667 811
e technical@brake-eng.com
app ZF Part Finder
w www.brake-eng.com
www.zf.com/unitedkingdom/en_gb/corporate/aftermarket/protech_folder_uk/protech_main_page.html

FERODO 

T 00800-33337256
e support@fmgurusoncall.tech
w www.fmgaragegurus.eu &
www.ferodo.co.uk

MOOG 

T FREE 00800 3333 7256
w www.moogparts.co.uk/
support/light-vehicles/
technical-tips.html

SHAFTEC 

T 0121 333 3555 (option 2)
e surcharge advice:
surchargeadvice@shaftec.co.uk

SKF 

T 01582 496334
e helpline@skf.com
w www.vsm.skf.com

BTN TURBO 

T 0117 428 8107
e technical@btnturbo.com
w www.btnturbo.com/turbotech/

GATES 

T 0844 980 0062
e info@gatestechnical.com
w www.gatestechzone.com

NGK 

T 01442 281000
w www.ngkntk.co.uk

SIP 

T 01509 500400
e technical@sip-group.com
w www.sip-group.com/page/techzone.aspx

HERE TO HELP

FOR MORE INFORMATION ABOUT THE PRODUCTS AND THE SERVICES WE OFFER CALL YOUR LOCAL BRANCH!

SEE BACK PAGE FOR DETAILS.

VERSATILITY MEETS AFFORDABILITY

WITH THE **Hamaton H47** TPMS TOOL

READS **100%** OF OE
& AFTERMARKET
SENSORS

FREE 5-YEAR
SOFTWARE
SUBSCRIPTION



CONFIGURES **ALL**
T-PRO & EU-PRO
HYBRID SENSORS

OBDII RELEARN
PROCEDURES &
INTEGRATED
MODULE

FREE demo!
Contact us for details!

Designed by **tyresure™**

PLEASE CONTACT YOUR LOCAL BRANCH FOR MORE INFORMATION OR TO PLACE AN ORDER.



ASHFORD

12 Brunswick Ind. Centre,
Brunswick Road, Cobbs Wood
Industrial Estate,
Ashford, Kent, TN23 1ED
TEL: 01233 501000

AYLESBURY

Unit 1, Block A, Brunel Gate,
Telford Close, Aylesbury, Bucks,
HP19 8AR
TEL: 01296 487227

AYLESFORD

Unit 3, Motorway House, Forstal
Road, Maidstone, Aylesford, Kent,
ME20 7AF
TEL: 01622 790399

BLANDFORD

Unit 9, Uplands Industrial Park,
Uplands Way, Blandford Heights,
Blandford, DT11 7UZ
TEL: 01258 451511

BOURNEMOUTH

Unit 4, 20 Wharfdale Service Road,
Bournemouth, Dorset, BH4 9BT
TEL: 01202 761761

BRIGHTON

Unit 14, Sea View Way,
Woodingdean Business Park,
Brighton, East Sussex, BN2 6NX
TEL: 01273 308444

Follow us on:



BROADSTAIRS

Unit B, Millennium Way,
Thanet Reach Business Park,
Broadstairs, Kent CT10 2QQ
TEL: 01843 602290

CLACTON

Unit 806, Fowler Road,
Oakwood Business Park North,
Clacton, Essex, CO15 4AA
TEL: 01255 688745

COLCHESTER

Unit 13, Mason Road, Cowdray
Centre, Cowdray, Colchester,
Essex, CO1 1BX
TEL: 01206 766999

CROYDON

6 Horatius Way,
Silverwing Industrial Estate,
Croydon, Surrey, CR0 4RU
TEL: 020 8686 1525

DEREHAM

Bertie Ward Way, Dereham,
Norfolk, NR19 1TE
TEL: 01362 695996

DORCHESTER

Unit 7 Wyvern Buildings,
Grove Trading Estate, Dorchester,
Dorset DT1 1ST
TEL: 01305 753761

FOLKESTONE

Unit 13, Kingsmead Industrial
Estate, West Park Farm,
Folkestone,
Kent, CT19 5EU
TEL: 01303 211100

GILLINGHAM

Unit 6 Crusader Close,
Gillingham Business Park,
Gillingham, Kent ME8 0PR
TEL: 01634 404403 OR
01634 386165

HAILSHAM

Unit G3, Ropemaker Park, South
Road, Hailsham, Sussex, BN27 3GY
TEL: 01323 848425

HARLESTON

19 B-D Fuller Road Industrial
Estate, Norfolk, Harleston, IP20 9EA
TEL: 01379 854155

HASTINGS (SHOP)

190 Bexhill Road, Hastings,
East Sussex, TN38 8BL
TEL: 01424 200605

HERNE BAY

3 Herne Business Park,
Canterbury Road, Herne Bay,
Kent, CT6 7FE
TEL: 01227 374000

IPSWICH

43 Holywells Road,
Ipswich, Suffolk, IP3 0DL
TEL: 01473 258525

LOWESTOFT

7 Barley Way,
South Lowestoft Industrial Estate,
Lowestoft, Suffolk, NR33 7NH
TEL: 01502 515300

MANNINGTREE

Unit 3C, Riverside Avenue West,
Dale Hall Industrial Estate,
Manningtree, Essex, CO11 1UR
TEL: 01206 391749

NEW MILTON

Unit 20a Queensway,
Stem Lane Industrial Estate,
Hants, BH25 5NN
TEL: 01425 620963

NORTHFLEET

Unit M1-2, Kent Kraft Industrial
Estate, Lower Road, Northfleet,
Kent, DA11 9SR
TEL: 01322 381391

NORTH WALSHAM **NEW!**

18 Folgate Road
North Walsham
NR28 0AJ
TEL NO 01692 252110

PARKWOOD

Unit 1, Progress Industrial Estate,
Bircholt Road, Maidstone,
Kent, ME15 9YH
TEL: 01622 687226

POOLE

Unit 16-17, Albany Park,
Cabot Lane, Poole,
Dorset, BH17 7BX
TEL: 01202 691111

REDHILL

13 Ormeside Way, Holmethorpe
Industrial Estate, Redhill,
Surrey, RH1 2LW
TEL: 01737 767743

RINGWOOD

Unit 8, Endeavour Park,
Crow Arch Lane, Ringwood,
Hants, BH24 1SF
TEL: 01425 470288

SAXMUNDHAM

Building 11, Carlton Park,
Kelsale-Cum-Carlton,
Saxmundham, Suffolk, IP17 2NL
TEL: 01728 604044

SITTINGBOURNE

Unit 3/4, Tribune Drive, Trinity
Trading Estate, Sittingbourne,
Kent, ME10 2PG
TEL: 01795 471737

ST. LEONARDS

81 Castleham Road,
Hastings, St Leonards,
East Sussex, TN38 9NT
TEL: 01424 850800

STOWMARKET

Unit 12, Charles Industrial Estate,
Stowmarket, Suffolk, IP14 5AH
TEL: 01449 613411

STROOD

Unit 1, Bowmans Buildings,
Alma Place Knight Road,
Strood, Kent, ME2 2AE
TEL: 01634 294590

SUDBURY

Unit 9, Addison Road,
Chilton Industrial Estate,
Sudbury, Suffolk, CO10 2YW
TEL: 01787 312400

THETFORD

Unit 7, Audley Court,
Lodgeway Fison Industrial Estate,
Thetford, Norfolk, IP24 1HT
TEL: 01842 750133

TUNBRIDGE WELLS

Unit 7a-7b, Haslemere Estate,
Chapman Way, Tunbridge Wells,
Kent, TN2 3EF
TEL: 01892 516336

UCKFIELD

Unit 7, Plot 19, Bell Lane,
Uckfield,
East Sussex, TN22 1QL
TEL: 01825 761449

WALTON

151-153 Hershaw Road,
Walton, Surrey, KT12 5NR
TEL: 01932 223888

WOKING

Unit 3, The Old Works,
Forsyth Road, Woking,
Surrey, GU21 5SB
TEL: 01483 757600

Or visit:

www.jayar.co.uk