Lucas



Lucas Diesel Systems Powering Ahead

Trust Lucas



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Timeline of innovation

1900 - 1920

The product range grows

The product range extended to include accessories for bicycles, motorcycles and cars, oil, acetylene and electric lamps. Lucas grew by identifying and developing what car manufacturers really needed. The acquisition of Thomson-Bennet Ltd. provided magneto capability for the electrical portfolio and revolutionised nighttime driving in the 20s.

1940 - 1960

The new braking **business**

In 1943, it acquired the Girling brakes business, adding hydraulic braking to the company's product portfolio.

In 1951, different distribution subsidiaries were established. Milestones reached in terms of new products included the first disc brake fitted to a production car and the introduction of the DPA rotary fuel injection pump.





1920



1870 - 1900 **Establishment** of the company

Joseph Lucas (Birmingham, 1834) began in 1860 as a dealer in paraffin oil for domestic lamps and soon expanded into the transport market. In 1875 he opened a small workshop with five employees. In 1880, he built a factory at the iconic location on Great King Street.

In 1897, Joseph Lucas Ltd. achieved a leading position in its market and moved into the growing automotive parts and accessories sector.



1920 - 1940

The largest supplier of electrical equipment

With the acquisition of C.A. Vandervell & Co. Ltd and Rotax Ltd., Lucas became the largest supplier of electrical equipment to the majority of British vehicles and the largest accessories manufacturer. In 1930 it incorporated electrical equipment for heavyduty vehicles, fuel injection pumps for diesel engines and broke into the aviation sector with the establishment of Lucas Aerospace.

1970 - 1990

Lucas adds green to its corporate branding

The group was renamed in 1974 as Lucas Industries and added green to its corporate branding as well as the Lucas diagonal, well-known icons throughout the world.

En 1988, Lucas Automotive began with the production of high-technology engine management and braking systems for the automotive industry around the world.



2000 - 2016

Meeting the needs of the market

Building on a heritage of over 140 years in the automotive industry, Lucas is a thriving globally renowned business, now boasting market-leading vehicle parc coverage for a wide range of Electrical products including Batteries, Bulbs, Engine Management, Lighting & Mirror, Starters & Alternators Switchgear and Window Regulators as well as non-Electrical product technologies such as Engine Drive, Filters and Turbochargers.



1960 1970 1990 2000 2016



Lucas

1960 - 1970

Expansion across Europe

Lucas expands throughout Europe with the opening of brake manufacturing plants in France and Germany, diesel partnerships in France and Spain and the growth of its after-sales network. Lucas Service became a global company, exporting to over 130 markets with 4,000 authorised outlets.



1990 - 2000

One of the top 10 manufacturers in the world

The merger to create Lucas Varity in 1996 resulted in the emergence of one of the world's top ten suppliers of car parts. This was followed by the acquisition by TRW in 1999, a global market leader in automotive safety.



2016

Lucas Diesel Systems returns to the international market

The iconic brand bursts into the international market through the Lucas Diesel Systems brand. At the 2016 Automechanika show in Frankfurt, the launch of the Lucas Diesel Systems product range was a sucessful achievement based on the develop of new products whose innovation, quality and reliability have always supported the brand.

Lucas Diesel Systems in the world

LUCAS TODAY

The Lucas brand has been offering top quality automotive products throughout the world for over 140 years. Its international success and reputation are based on providing the widest range of products

that offer exceptional **technology and innovation**. Lucas currently operates throughout the world, and is continuously developing new market opportunities.

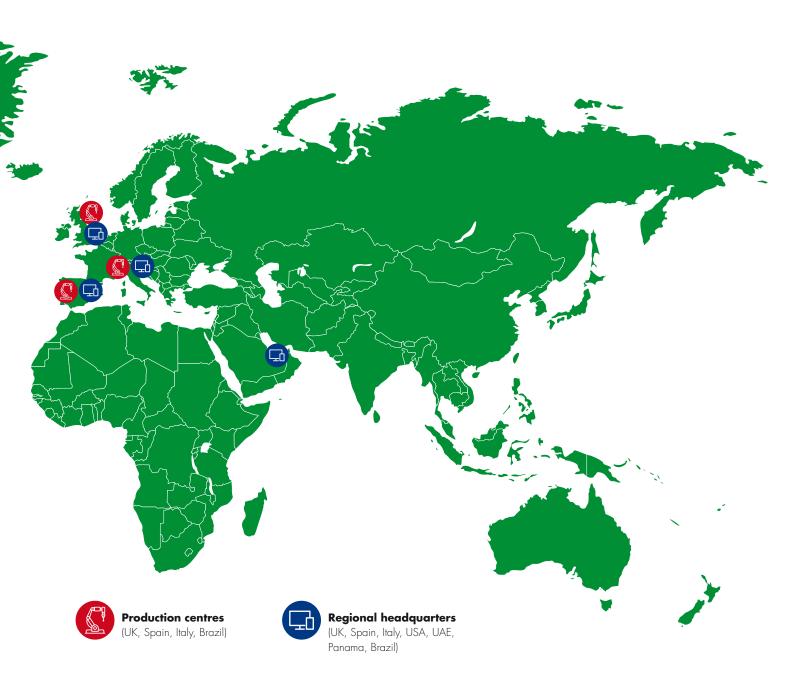


LUCAS DIESEL SYSTEMS

Our top quality diesel injection product range includes over 2,000 items of remanufactured products and over 10,000 diesel components.

In order for today's workshops to offer the best professional service, Lucas Diesel Systems offers the market's most comprehensive solution: spare parts, testing equipment, comprehensive training and technical support and assistance. Our confidence in and commitment to the Lucas brand, is of unparalleled quality, tradition and global recognition, merged with our extensive experience in the diesel sector.

As a result we already have several production centres and regional headquarters at different international locations. And we are continuing with our constant expansion by gradually opening up new Lucas dealers who already operate with our diesel product range at various points across the world.



Product range

REMAN



Fuel Injection Pumps

We have been covering the whole auto market of vehicles since the 80s, offering the widest range of diesel pumps in the market.



Common Rail Pumps

Since its introduction into the market in 1997, it continues to be the system most commonly used by car manufacturers. Lucas gives us access to all of the brands that are currently being sold.



Common Rail Injectors

Lucas offers the possibility of accessing 93% of the CR injectors in the market.



Unit Injector Pumps

Although cars are no longer manufactured with pump injectors, they are still among the most sold diesel products. Lucas supplies the full range for the VAG group.



Diesel Fuel Injectors

Although they have not been assembled in vehicles for years now, the current fleet of vehicles continue to make use of them. Lucas offers them within its range of products.



Commercial Unit Injector & Commercial Unit Pump

As a leader in this sector, we incorporate Unit Injectors and Unit pumps for diesel commercial vehicles in order to meet all of the market demand.



Fuel Injection Pumps	Common Rail Pumps	Common Rail Injectors	Unit Injector Pumps	Diesel Fuel Injectors	Commercial Unit Injector & Commercial Unit Pump
Bosch VE	Bosch CP1	Bosch CRI1	Bosch UIS - PDE-P1	Lucas	Bosch UIS - PDE
Bosch VE-EDC	Bosch CP1H3	Bosch CRI2	Bosch UIS - PDE-P1.1	Bosch	Bosch UPS - PLD
Bosch VP 29/30	Bosch CP3	Bosch CRIN	Bosch UIS - PDE-P1.3	Delphi	Delphi EUI
Bosch VP 44	Bosch CP4	Bosch Piezoelectric	Bosch UIS - PDE-P1.4	Denso	Caterpillar GP
Lucas DPC	Delphi DFP1	Delphi DFI 1.2	Bosch UIS - PDE-P1.5		
Lucas DPC-N	Delphi DFP3	Delphi DFI 1.3	Bosch UIS - PDE-P2		
Denso VE	Denso HP2	Delphi DFI 1.4			
Denso ECD	Denso HP3	Denso X1			
Zexel NP-VE	Denso HP4	Denso X2			
	Siemens - VDO CR	Denso G2			
		Siemens - VDO CR			

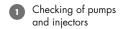
Production system

The quality of a product is directly linked to the level of organisation at the production centre.

To increase the productivity and the quality of our products, we have

developed our own system, which is implemented in all of our plants throughout the world in order to guarantee identical levels of productivity and quality control in all of our products, regardless of their production site.







External treatment of the product



Dismantling and technical verification



Internal cleaning of the product



Product inspection



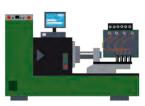
Heat treatment of the product



Substitution of damaged products



Assembly of the product



Checking on test bench



Quality control



Labelling with a QR code



12 Packaging



13 Delivery to the client

Packaging system

At Lucas Diesel Systems we are convinced that an excellent product can be achieved by establishing the best quality standards in each of the processes we carry out; and when we deliver our products to our clients too.

Our packaging system is perfectly designed, developed and manufactured to supply products with the highest level of safety, protection, guarantee and image possible.

- Our green boxes, of different sizes adapted to their contents, are the icons that identify us from our production plants to our clients' shelves.
- Our labels, produced specifically for each part include technical details, a QR traceability code and a brand quality hologram.
- The interior, taking care of the details in all aspects, includes additional information with technical specifications.
- Our packaging is manufactured and prepared using the best materials, and adapted to the technical requirements and dimensions that each product requires.



Our labels, produced specifically for each part include technical details, a QR traceability code and a brand quality hologram.





Lucas item and an image of the type of product



Original reference of the product



Description of the product in 6 languages



Monitoring of traceability using the QR code



Product reference in barcode



Authenticity hologram of the Lucas brand



Guarantee seal

Product range

COMPONENTS

Lucas Diesel Systems offers the sector the widest range of parts for all the references of diesel pumps and injectors on the market.



CR Injector Valves



Flow Regulating Valves



Pump Repair Kits



Injector Repair Kits & Pumps injectors



Electric Solenoids



Head Rotors



CR Pump Plungers



Nozzles



Plungers & Delivery Valves

References

CR Injector Valves	Flow Regulating Valves	Pump Repair Kits	Injector Repair Kits & Pumps injectors	Electric Solenoids
Bosch CRI1	Bosch CP1H3	Bosch CP1	Bosch CRI1	Bosch VE
Bosch CRI2	Bosch CP3	Bosch CP1H3	Bosch CRI2	Bosch VE-EDC
Bosch CRIN	Bosch CP4	Bosch CP3	Bosch CRIN	Lucas DPC
Delphi DFI 1.2	Denso HP2	Bosch CP4	Bosch Piezoelectric	Lucas DPC-N
Delphi DFI 1.3	Denso HP3	Delphi DFP1	Delphi DFI 1.2	Denso VE
Delphi DFI 1.4	Denso HP4	Delphi DFP3	Delphi DFI 1.3	Denso ECD
Denso X1	Siemens - VDO CR	Denso HP2	Delphi DFI 1.4	VE Zexel
Denso X2		Denso HP3	Denso X1	
Denso G2		Denso HP4	Denso X2	
		Siemens - VDO CR	Denso G2	
		Bosch VE	Siemens - VDO CR	
		Bosch VE-EDC	Bosch - Conventional	
		Bosch VP 29/30	Lucas - Conventional	
		Bosch VP 44	Bosch UIS - PDE-P1	
		Lucas DPC	Bosch UIS - PDE-P1.1	
		Lucas DPC-N	Bosch UIS - PDE-P1.3	
		Denso VE	Bosch UIS - PDE-P1.4	
		Denso ECD	Bosch UIS - PDE-P1.5	
		Zexel NP-VE	Bosch UIS - PDE-P2	
		In - line pump		
Head Rotors	CR Pump Plungers	Nozzles	Plungers & Delivery Valves	
Bosch VE	Bosch CP1	Bosch Type DL	Bosch Type P	
Bosch VE-EDC	Bosch CP1H3	Bosch Type DLL	Bosch Type M	
Lucas DPC	Delphi DFP3	Bosch Type DLLA	Bosch Type A	
Lucas DPC-N	Denso HP3	Bosch Type DSLA	Bosch Type H	
ECD Denso	Siemens - VDO CR	Bosch Type DN	•	
VE Zexel		Lucas - Conventional		
		Delphi CR		
		Denso CR		

Product range

MULTIBRAND TEST EQUIPMENT

UNIVERSAL TEST BENCH FOR ALL BRANDS - DIESEL COMPONENTS



EDT 100 / 101

- Common Rail Pumps
- Common Rail Injectors
- Common Rail Piezo Injectors
- Pump Injector Systems

SPECIALIZED TEST BENCHES FOR ALL BRANDS - COMMON RAIL



EDT 200

Common Rail Pumps



EDT 300 / 301

- Common Rail Injectors
- Common Rail Piezo Injectors (4 units)



EDT 310

- Common Rail Injectors
- Common Rail Piezo Injectors (1 unit)



EDT 315

- Common Rail Injectors
- Common Rail Piezo Injectors



EDT 320

- Common Rail Injectors
- Common Rail Piezo Injectors (Semi-automatic)

SPECIALIZED TEST BENCHES - HEUI SYSTEMS



EDT 316

• HEUI Diesel Injectors

CALIBRATION ROBOTS FOR ALL BRANDS - DIESEL INJECTORS



EDR 700

- Common Rail Injectors
- Common Rail Piezo Injectors
- **HEUI Injectors** (Automatic robot)



EDR 710

- Common Rail Injectors
- Common Rail Piezo Injectors
- HEUI Injectors (Semiautomatic mini robot)



EDR 720

- Common Rail Injectors
- Common Rail Piezo Injectors
- HEUI Injectors

SUITABLE FOR EACH TYPE OF GARAGE

- Plug & Play
- Easy Use
- Automatic, semi-automatic and/or manual work programmes
- Maximum quality and precision
- Approved tests
- Permanent updating online

Equipment composition*

EDT 100 - LDFT0001

LDFT0097	EUI-PDE-EUP-EMD-UPS Cam Box
LDFT0099	Piezo adaptor
LDFT0098	Full kit of Management Software for uis-pld Injectors + bip (Beginning Injection Point) + Dual Coil
LDFT1162	Full CR Pumps Kit
LDFT1163	Cam Box Kit

EDT 101 - LDFT0002

LDFT0002	Configuration for CR Injectors
LDFT1162	Full CR Pumps kit
LDFT1164	Full CR Injectors kit

EDT 200 - LDFT0007	EDT 300 - LDFT0003 / EDT 301 - LDFT0004 / EDT 310 - LDFT0005 / EDT 315 - LDFT1188 / EDT 320 - LDFT0006
Same family type CR Pumps Kit:	Injectors Kit:
Bosch CP1 0 445 020 002	CR CRI Bosch
Bosch CP3 0 445 010 699	CR Delphi
Delphi DFP1 R9044Z013A	CR CRI Denso
Delphi DFP3 9421A000A	CR Siemens
Denso HP3 22100-0G010	CR Piezo Bosch

Siemens PSA 5WS40018

EDT 316 - LDFT1192

LDFT1193	Injector adapter for HEUI CAT C7 - C9	
LDFT1194	Injector adapter for HEUI CAT (Ø 7 - Ø 8.5)	
LDFT1195	Plexialass protection	

EDR 700 - LDFT0010	EDR 710 - LDFT0011	EDR 720 - LDFT0374
Simulator	LDFT1132 Software	LDFT1129 App for Bosch Cri & Crin Injectors
Joystick		LDFT0375 App for Denso Cri & Crin Injectors
LDFT1151 Software		LDFT0377 App for Ford HEUI C7 - C9 CAT Injectors
	LDFT1126	Air pressure regulator filter
	LDFT1127	Adaptor exhibitor
	LDFT1128	Calibration Adaptor: KD-022
	LDFT1129	App for Bosch Cri & Crin Injectors
	LDFT1130	PC USB connection cable
	LDFT1131	Power supply cable

^{*} The references that appear correspond to the standard equipment. There is a wide range of additional accessories for each test bench.

Traceability

THE BEST TRACEABILITY SYSTEM **FOR OUR PRODUCTS**



The simplest way of accessing the information of each product, by scanning the QR code.





Always innovating and making it easier for you.

Easy to use Transparency of the product **Complete information** Total control of the product

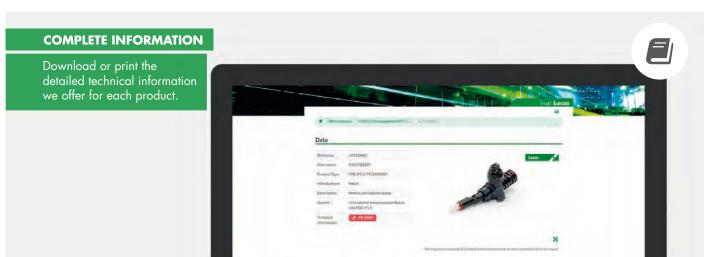
e-Catalogue

AT YOUR FINGERTIPS

Welcome to the Lucas Diesel Systems Online Catalogue; a complete and comprehensive catalogue of Lucas Diesel Systems products for diesel systems.

You will be able to easily and quickly search our products by reference, vehicle, or range; access detailed information about each of them, chat with our Costumer Service representatives and resolve any queries you may have by means of our technical support all at the click of a button.







You can find the online Lucas Diesel Systems catalogue on our company website:

www.lucasdiesel.com

Simply log in to access its full content.





Quality



OUR CORE VALUE IN THE APPLICATION OF EXCELLENCE

We have a clear essential objective: to satisfy the demands of our customers by meeting their expectations of quality, price and availability.

To achieve this, Lucas Diesel Systems applies a series of principles, rigorously followed by its entire team of professionals:



Total quality

Offering the highest quality is essential for Lucas Diesel Systems and all its suppliers.

There is no room for error or risk.



Guarantee

Lucas has over 140 years of history and that speaks volumes. Clients from all corners of the world have trusted and continue to trust in our brand's values every day.

We take pride in this and it is something that we work towards to offer the market products of the best quality, always under our own strict production standards and processes.



Production system

The quality of a product is directly linked to the level of organisation at its production centre. In order to improve the productivity and quality of the products, Lucas Diesel Systems has developed its own production system, which is applied in all of its plants across the world.

In this manner, we can guarantee the same levels of quality and reliability in all of our products, regardless of where they have been manufactured.





R+D department

Thanks to the three Lucas Diesel Systems R+D departments located in the United Kingdom, Spain and Brazil, we manage to continuously develop all of our production processes, and launch and manage new projects and products on an ongoing basis.

This aspect is key to keep on growing and extending new lines of business to new markets.



Approval of suppliers

Thanks to the perfect relationship we have with all of our suppliers, we manage to work with the same objectives towards shared success. This partnership enables us to innovate, increase our productivity jointly and to offer ongoing improvement in quality.

In addition, at Lucas Diesel Systems we have a limited number of suppliers, who we consider key partners in achieving our successes.



Involvement of employees

Each employee, regardless of their position, plays a fundamental role in the quality and fine-tuning of processes on a daily basis. Consequently, we work to recognise what their skills are and strengthen them within the ongoing improvement of our production processes.

All of the employees are also invited to participate actively in the proposal of elements of improvement for their daily work and for the optimal growth of the company.

Green spirit

FAVOURABLE FOR THE ENVIRONMENT

Remanufacturing is an industrial process that consists of the reuse of a product or part that has reached the end of its useful life and whose remanufacturing offers a level of performance and quality equal to or greater than that of the new OEM products.

The use of remanufactured products greatly reduces the impact on the environment compared to newly manufactured products, therefore significantly reducing the production emissions gases and the generation of waste.

During the remanufacturing process the damaged elements are replaced and the remaining components that are in specification are reused.

It is our responsibility, as manufacturers too, to take care of the environment by implementing processes that avoid any type of contamination. And to make the most of the natural resources used in said manufacturing system.



OPTIMAL FOR BUSINESSES



Access to reman products

The client has access to reman products, which are more economical and sustainable than newly manufactured products.



Better quality standards

The quality standards are the same or even better than those of a new OEM product, as we apply the most advanced treatments to offer the highest level of quality.



Lower cost

The consumer has access to products of the highest level of quality at the most competitive prices.



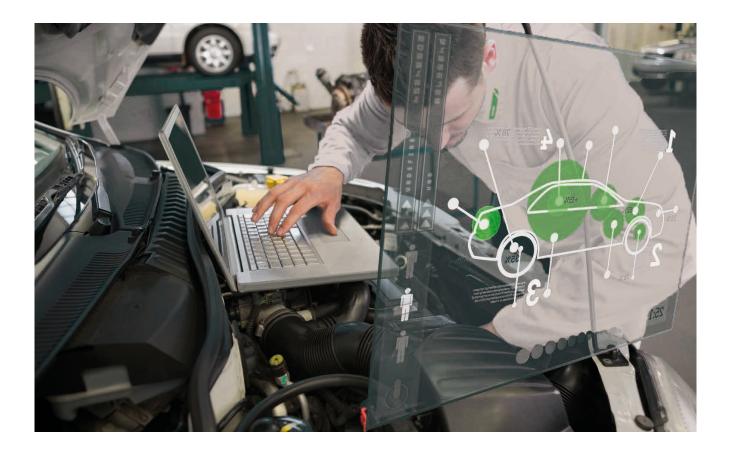
111 kg.

During the process of manufacturing of a conventional engine, 111 kg of CO₂ is released into the atmosphere **4** kg.

In contrast, the remanufacturing process of the same equipment only produces 4 kg of CO₂

Lucas Academy

EXCELLENCE THROUGH TRAINING & TECHNICAL ASSISTANCE



Lucas Academy is a global company geared towards training in automotive technology. Its central office is in East Sussex and has another four additional fully operating locations in the United Kingdom: London, Manchester, Birmingham and Glasgow.

Our objective is to increase and improve the range of services offered to our customers all over the world.

Our state-of-the-art facilities include fully equipped classrooms and portable devices to provide our courses where our customers require them. This makes our network an international one that offers personalised and a la carte training programmes.

Customised, in-person, practical and online training, adapted to the needs of each client.

High level training experience

The engine industry is developing at a faster rate now than it ever has throughout its history and the systems and technology in this regard are increasingly complex and demanding. Because of this, we are committed to creating and providing the most specific and up-todate courses, both in person and online.

A large group of professionals who are specialised and qualified in the automotive sector will take care of training for each participant depending on their needs and personal requirements.

Lucas Academy offers learning experiences of the highest quality. Our courses have been developed by qualified instructors with extensive experience in the automotive industry. Their extensive background and high capacity to share their knowledge in a clear and structured manner ensure an exceptional training experience.

Immediate and professional technical support

The customer and the workshop may encounter numerous technical problems in their daily work and, to resolve them, they do not always have the necessary knowledge of all car brands.

We can help them by offering them assistance and directly providing them with fast and accurate answers directly.



AUTOMOTIVE TECHNICAL TRAINING



E-LEARNING



TECHNICAL ASSISTANCE



COURSE SUMMARY

Level 1

SPECIALIST IN DIESEL EXHAUST SYSTEMS AND ANTIPOLLUTION

Diesel Exhaust Systems and Antipollution

DESO1

Diagnosis of Exhaust Smoke and Antipollution in Diesel

Once all the training courses regarding "Diesel Exhaust Systems and Antipollution" have been completed, you will gain the certificate of Specialist in Diesel Exhaust Systems and Antipollution.



COURSE SUMMARY

Level 2

SPECIALIST IN DIESEL INJECTION SYSTEMS

Diesel Inje	ection		
CRT01	Common Rail Systems: Bosch, Delphi, Siemens-VDO, Denso - Theory	UISDP01	UIS Delphi Systems (comercial vehicles and cars) - Repairing
CRBI01	Bosch Diesel Injection Common Rail 1st Gen. (CP1) - Repairing	СНН01	Caterpillar HEUI C7/C9 Hydraulic Systems - Repairing
CRBI02	Bosch Diesel Injection Common Rail 2nd Gen. (CP1H3, CP3) - Repairing	СНН02	Caterpillar HEUI Navistar Hydraulic Systems - Repairing
CRBI03	Bosch Diesel Injection Common Rail 3rd Gen. (CP4 pumps and piezoelectric injectors) - Repairing	CRCP01	Caterpillar Common Rail Systems C6.6 – C6.4 / Perkins - Repairing
CRSI01	Siemens-VDO Diesel Injection Common Rail (SID 802) - Repairing	UISDT01	UIS-EUI Detroit Diesel Electronic Systems - Repairing
CRDPI01		CCE01	Celect Cummins Electronic Systems - Repairing
CRDPIOT	Delphi Diesel Injection Common Rail (FP1, FP3) - Repairing	Diesel Exhaust Systems and Antipollution	
CRDSI01	Denso Diesel Injection Common Rail (HP2, HP3, HP4) - Repairing	DESO1	Diagnosis of Exhaust Smoke and Antipollution in Diesel
UISB01	UIS/UPS Bosch Systems (comercial vehicles and cars) - Repairing		

Once all the training courses regarding "Diesel Injection" and "Diesel Exhaust Systems and Antipollution"; have been completed you will gain the certificate of Specialist in Diesel Injection Systems.







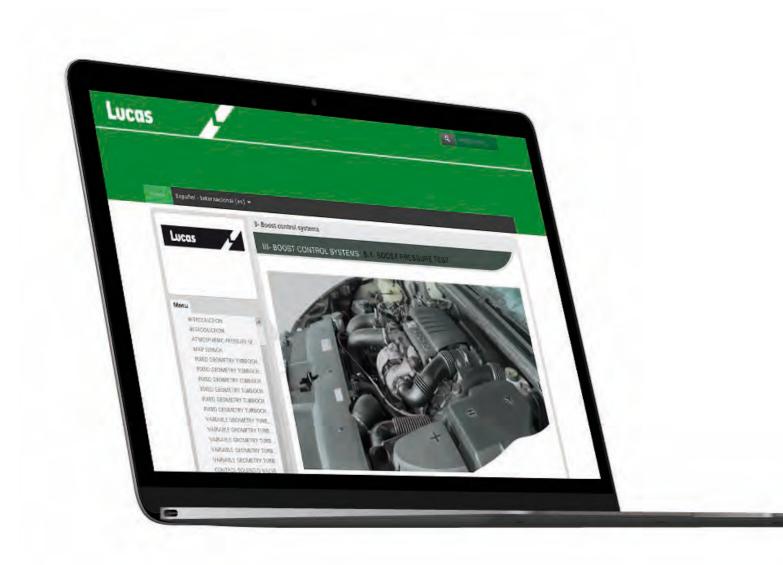
Lucas Academy offers professionals learning experiences of the highest quality, featuring the most innovative content. They therefore reflect not only where the automotive industry stands at the moment but also where it will be in the future.

All of our e-Learning courses have been designed and developed by expert instructors with extensive experience in the automotive industry. Their detailed

expertise in the practical environment and their ability to share their knowledge in structured and up-to-date programmes ensures a fruitful and satisfactory training experience.

We have state of the art platforms and resources to adequately complete our online training, with the help of videos, 3D infographs and cutting edge multimedia material.

Lucas Academy can provide its e-Learning training around the world, anywhere, anytime.





3D multimedia videos



Fully explanation of the functioning of each component



Detailed high definition pictures



Motion graphics & visual effects



Interactive diagrams

We have the latest generation platform in order to assist online training using videos and 3D infographs. We can access anywhere around the world.

e-Learning Courses



DBCR01





OBJECTIVES

To have detailed knowledge of Bosch's electronic Common Rail injection system. Interpreting the funtioning of the systems in order to diagnose any issues using the multimeter, oscilloscope and

Compare the functioning among different generations of injection systems. Differences between pumps, injectors and electrical components. Most common breakdowns among different injection systems. Diagnosis of high and low fuel pressure circuits.







e-Learning Courses

DURATION

DMAS02

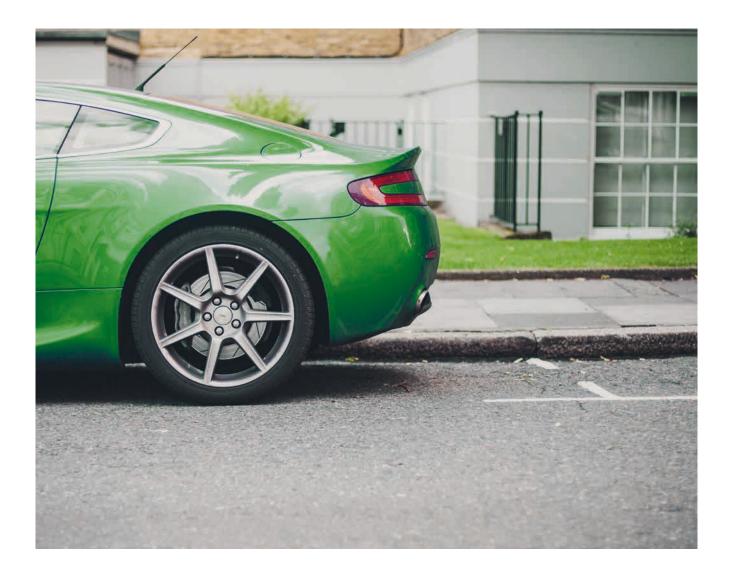
Diagnosis and Maintenance of Diesel Antipollution Systems



OBJECTIVES

To find out about the elements that make up the diesel antipollution systems, the procedures for diagnosis, maintenance and repair of both diesel engines.

Methods for reducing polluting gases. Fault diagnosis of the elements for reducing of polluting gases before the combustion chamber (EGR, mixture control, Lambda probe, catalysts, FAP, DPF, SCR). Checking the wear points and common failures.





HANDLING OF TECHNICAL SUPPORT



The client and the workshop may encounter many technical problems but do not always have the necessary knowledge about each of the systems of all of the cars in the market.

We can assist them by providing that information or directly offering them an answer as to how to resolve the problem.

By calling our Technical Assistance Department by telephone and the process could be handled via two different ways:

TROUBLESHOOTING

Comprehensive technical advice for problem resolution.

DATABASE

Provision of technical information.



incoming calls answered every day



of the calls answered in the first call



93%

of the problems posed solved



2,000

helplines managed



technical experts available with over 10 years of experience in the automotive sector

HELPLINE HANDLING OF TECHNICAL INCIDENTS



1. Technical issue

Customer calls the technical support helpline



2. Incidence analysis

Detailed information is collected to diagnose of the problem

Troubleshooting



45,000 Cases

solved



EXPERIENCE

Technicians for multibrand garages and dealerships



QUICK

Solutions

Database



Procedures

- Assembly
- Dismantling
- Reset service
- Maintenance plan
- Localisation of components
- Bulletins

Data

- Schemes
- Tightening torques
- Repair times

% Technical consultations



- 47.3% Fuel systems
- 2.8% AC systems
- 21.3% Guided diagnosis
- 9.2% EOBD
- 7.1% Repair times
- 4.5% Hybrid
- 3.2% LPG
- 8.7% Tightening torques
- 5.3% Electric schemes
- 1.5% Fuel reserves



E-mail



Phone

TROUBLESHOOTING

Case study 1

MERCEDES CLASSE B 180 CDI



1. Problem

The oil level/oil pressure warning light is illuminated.

2. Workshop

Check the entire system lubrication (oil pump, filter...) and everything is in order, but the problem persists.

3. Technical Analysis

Analysis and collection of information by technical support.

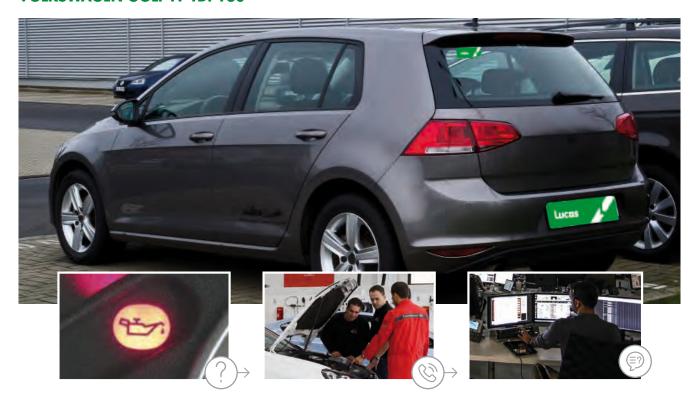


TECHNICAL SOLUTION

Check the particulate filter for correct regeneration operation as it is not automatically being done and the amount of diesel used for this purpose does not burn completely and ends up contaminating the engine oil. Perform a test on the DPF system and carry out a forced regeneration. Recheck values and everything should be in order.

Case study 2

VOLKSWAGEN GOLF IV TDI 130



1. Problem

The oil light is illuminated when the engine is running.

2. Workshop

Check the oil level and everything is correct.

3. Technical Analysis

Analysis and collection of information by technical support.



TECHNICAL SOLUTION

Effectively, the oil level is correct. Our technical information indicates that the bonnet switch is at fault, which is normally on the right side. You are prompted to check for continuity of the switch and the switch was discovered to be causing this error.

DATABASE

Our database is an online tool that provides quick and easy access to a wide and comprehensive range of technical information.

Comprehensive coverage

Data provided directly by the manufacturers themselves. (80% of information is obtained by vehicle manufacturers).

Time-saving

Interactive illustrations of the location of components enable us to obtain the accessible information quickly and easily.

It saves recent searches to make it easy to switch from one procedure to another and to be able to restart the work from the point you left off.

It saves you time searching by offering access to all of the required technical information on a single screen.

Increased business performance

Designed as an aid to assist professionals with the workflow in the workshop, therefore reducing down time. Less time spent on searches equals an increase in efficiency.

Generate revision checklists and professional quotes. Attend to more vehicles and increase the level of customer satisfaction.

Multimedia section

Access to the videos about the product, which show how Autodata works: from access to the best review programmes to the use of interactive images to locate the location of each component.



29,000

vehicle models worldwide



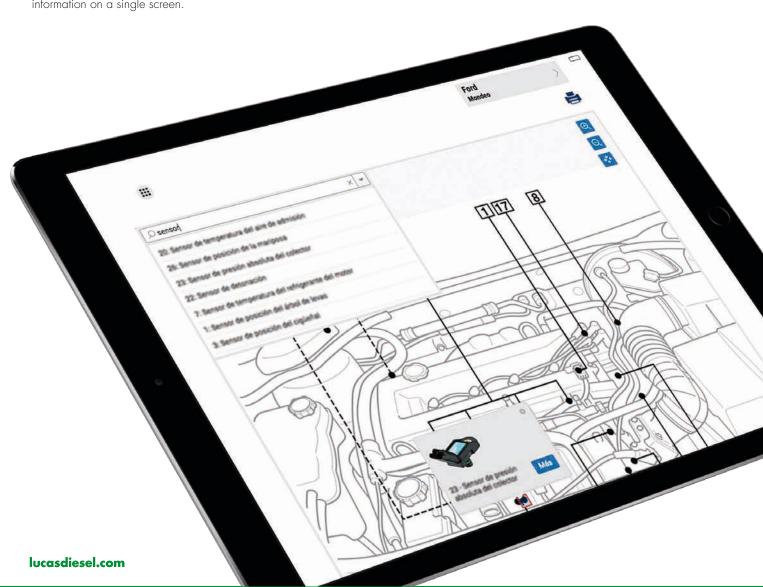
+85,000

schemes and illustrations



500,000

step-by-step procedures



KEY FEATURES



Review guidelines with built-in data:

All technical data and illustrations are incorporated directly to save time.



Interactive pages components location

Look for components, see images and access information quickly and easily.



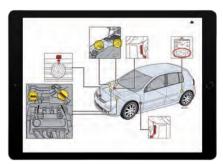
Panel of recent activity:

Easily switch between different cars to keep the workflow efficient.



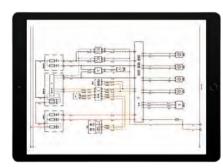
Search fault codes:

Search by coder or name of component to instantly locate the information and solutions to the corresponding components.



Illustrations of the components:

The images we send are more detailed for a more informative experience. Component locations and indicated illustrations.

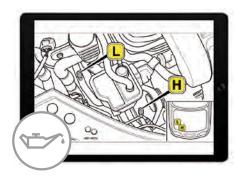


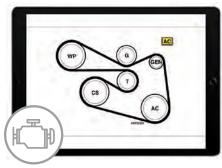
Wiring diagrams:

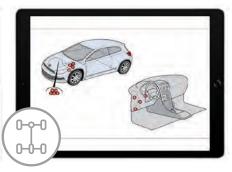
Detailed wiring diagrams showing the path in which the circuit is laid out.

DATABASE

TECHNICAL INFORMATION







Review

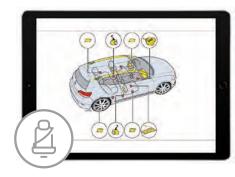
- ▶ Illustrations of programs
- ► Review
- ▶ Interval indicator
- ► Brake check
- ► Maintenance of air conditioning

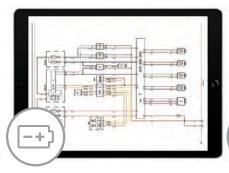
Drivetrain

- ► Engine management
- ► Command tree(s)
- ► Auxiliary and cam drive bells
- ► Clutches

Chassis

- ► Antilock braking system
- ► Wheel alignment
- ► Tyre pressures







Body and passenger compartment

- ▶ Airbags
- ► A/C air conditioning

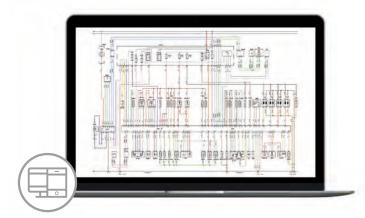
Electrical wiring schematics

- ▶ Disconnection and reconnection of battery
- ► Electric schemes
- ► Faulty codes
- ▶ Location of electrical components

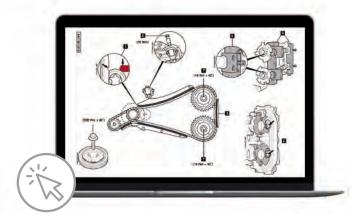
General information

- ► Technical specification
- ► Repair times
- ► Repair information
- ▶ Location of the rack number
- ▶ Warning symbols

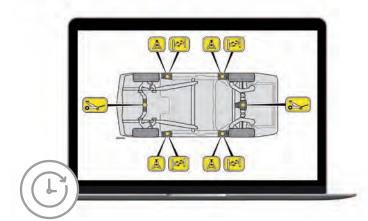
ADVANTAGES



Works on PC, Mac, tablets and smartphones



Instant information provided, with nothing to install



Continuously updated with the most recent data and functions



Created based on what happens in the workshop



Quick reply

Comprehensive range of technical information.

NOTES	

NOTES	



EUROPE

UK - Chichester Road - Ponswood Ind. Estate TN38 9BG - ST Leonards-On-Sea - East Sussex

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