

Cojali Group & Jaltest.



cojali
INNOVATION & TECHNOLOGY

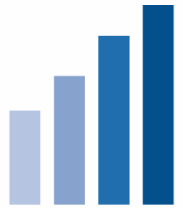
www.cojali.com





 **cojali**
GROUP

Turnover, Investment and Growth.



70%
GROWTH
IN 4 YEARS



92 m
GROUP
TURNOVER



4%
R+D+i
INVESTMENT



Number of employees per department.



+535
Employees



Engineering Timeline.

1991



COOLING
SYSTEMS

1994



AIR BRAKE
SYSTEMS

1998



VISCOUS FAN
CLUTCHES
WITH
BI-METALLIC
CONTROL

2000



R+D+i
DEPARTMENT
COMMERCIAL
VEHICLE

2003



JALTEST
DIAGNOSIS
EQUIPMENT

2005



TRAINING
DEPARTMENT
AND
TECHNICAL
ASSISTANCE

Engineering Timeline.

2008



FAN
CLUTCHES
WITH
ELECTRONIC
CONTROL

2009



JALTEST FOR
LIGHT
COMMERCIAL
VEHICLES

2010



COJALI USA

2011



e-ABS
BRAKING
UNIT

2013



JALTEST AGV

2014



TELEMATIC
SYSTEMS
FOR
COMMERCIAL
VEHICLES

Engineering Timeline.

2016



JALTEST
MARINE

2017



JALTEST OHW

2017



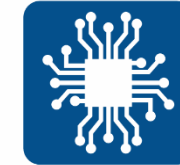
JALTEST ASIA

2017



EURO 6

2018



SMD

Company Timeline.

1991



COJALI S.L.

1994



FRANCE
DEFY DIFFUSION
COJALI S.L.

2004



ITALY
COJALI ITALIA

2010



USA
COJALI USA Inc.

2016



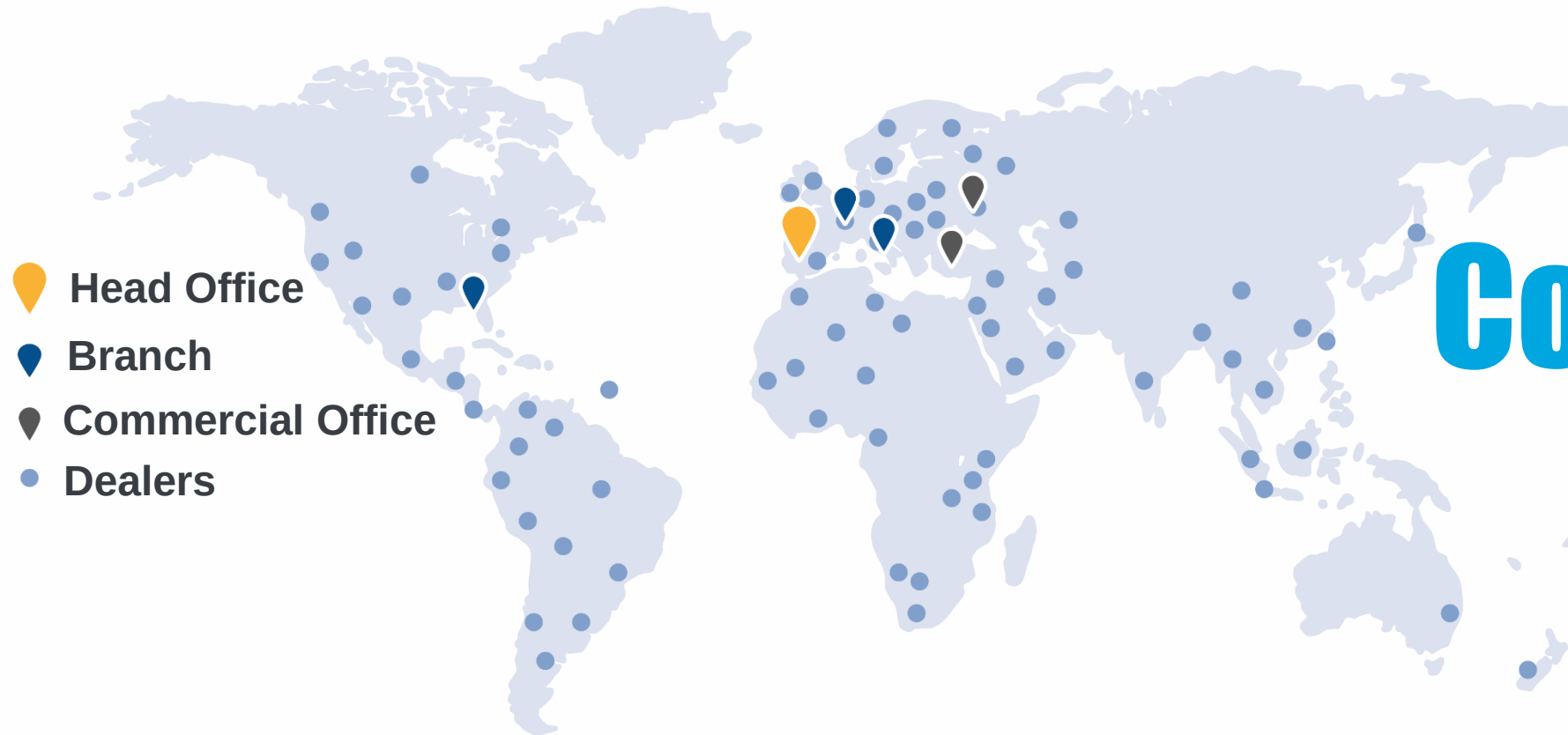
RUSSIA
SALES OFFICE

2016



TURKEY
SALES OFFICE

Network.

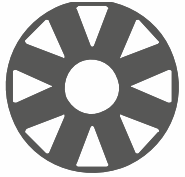


+110
Countries



Business Divisions.

#1



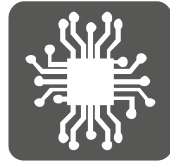
COOLING
SYSTEMS

#2



AIR BRAKE
SYSTEMS

#3



ELECTRONICS

#4



COJALI
REMAN

#5



JALTEST
DIAGNOSTICS

#6



JALTEST
TELEMATICS

JALTEST DIAGNOSTICS

Jaltest.

Jaltest is an **all-makes and all-systems** diagnostics equipment developed to perform the most advanced vehicle diagnostics and maintenance tasks in an easy and intuitive way.

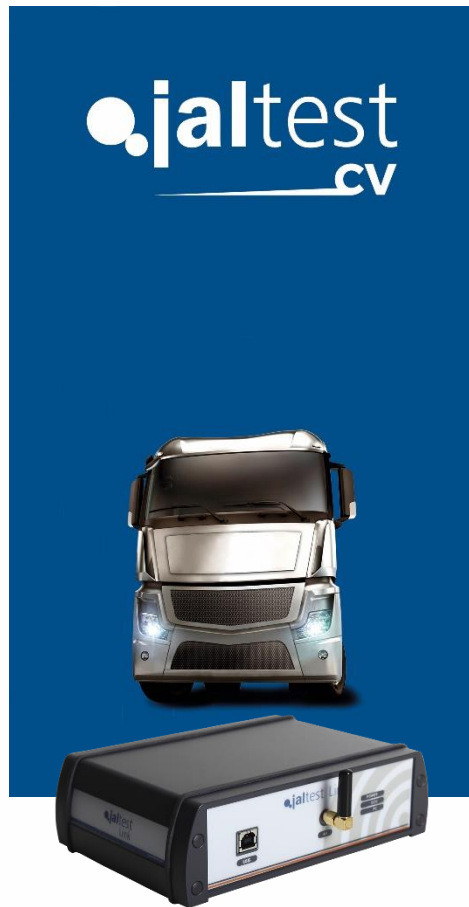
Jaltest is not limited to reading fault codes on vehicle systems, it also features bi-directional controls, advanced technical data and guided troubleshooting.

Jaltest after-sales support is focused to deliver professional services to the workshop through:

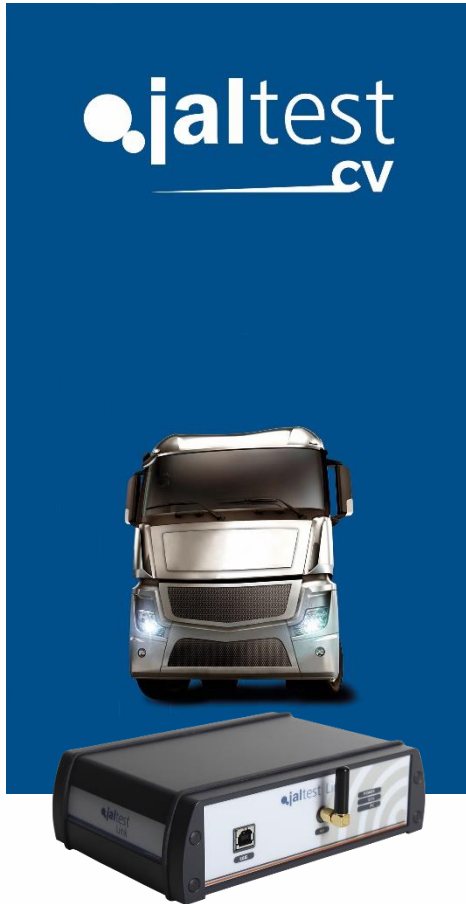
- **Technical Assistance.**
- **Training & e-Learning.**
- **Specialized Customer Support.**



Jaltest Kits.



Jaltest Kits



TRUCK

- Mercedes
- Volvo
- Scania
- Man
- Renault
- Daf
- Iveco
- ...
- American, Chinese, Korean and Japanese applications



BUS

- Mercedes
- Volvo
- Scania
- Man
- Neoplan
- Solaris
- ...



TRAILER

- Wabco
- Knorr-Bremse
- Haldex
- Carrier
- Thermo King



LCV

- Mercedes
- Toyota
- Mitsubishi
- Volkswagen
- Ford
- ...



MANUFACTURERS

- Engines: Cummins, Caterpillar, Isuzu, Mercedes, Paccar, Volvo, Weichai ...
- Gearboxes: Allison, Eaton, ZF ...

Jaltest Kits



TRACTOR & HARVESTERS

- Carraro
- Case iH
- Caterpillar
- Challenger
- Claas
- Deutz-Fahr
- Energreen
- Fendt
- Franz Kleine
- Gregoire
- Hürlimann
- JCB
- John Deere
- Massey Ferguson
- New Holland
- Steyr
- Valtra

Jaltest Kits



CONSTRUCTION VEHICLES

- Bae Systems
- Bosch Rexroth
- Case Construction
- Caterpillar
- Fiat Kobelco
- Grove
- Hitachi
- John Deere
- Komatsu
- Liebherr
- New Holland Construction
- Terberg
- Terex – Demag
- Volvo Construction
- XCMG



STATIONARY ENGINES

- Caterpillar
- Cummins
- Deutz
- Iveco-Fpt
- Kubota
- Man
- Mercedes-Benz
- MTU
- Perkins
- Scania
- Sisu
- Volvo Penta
- ...



STREET SWEEPERS

- ASH
- AUS
- Eurovoiri
- Mathieu-Yno
- Ravo

Jaltest Kits



INBOARD MOTOR

- Caterpillar
- Crusader
- Cummins
- Ilmor
- Indmar
- Iveco-FPT
- Man
- Mercury MerCruiser
- MTU
- PCM
- Scania
- Scarab
- Sea-Doo (BRP)
- ...



OUTBOARD MOTOR

- Evinrude
- Honda
- Johnson
- Mariner
- Mercury
- Mercury Racing
- Nissan
- Selva
- Suzuki
- Tohatsu
- Yamaha



JET SKI

- HSR-Benelli
- Kawasaki
- Sea-Doo (BRP)
- Yamaha



STATIONARY ENGINES

- Caterpillar
- Cummins
- Deutz
- Iveco-Fpt
- Kubota
- Man
- Mercedes-Benz
- MTU
- Perkins
- Scania
- Sisu
- Volvo Penta
- ...

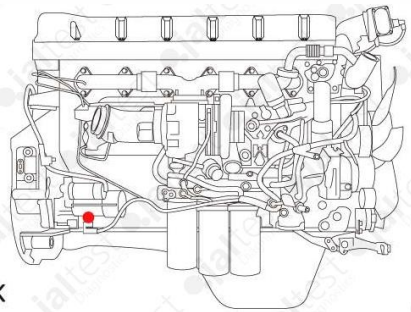
Software.

1. GRP (Garage Resource Planning). Workshop and Customer/Vehicle Records Management.
2. Jaltest Iparts. Parts cross-referencing platform.
3. ETM (Electronic Test Module). Direct diagnosis on EBS modules.
4. Diagnostics Menu.
5. System Technical Data.
6. Wiring diagrams, and fuses and relay boxes.
7. Vehicle Service Data.
8. Vehicle Technical Information.
9. Troubleshooting Guides by symptoms.
10. Technical Releases.
11. Repair Times.
12. Troubleshooting Guides by Fault Codes.

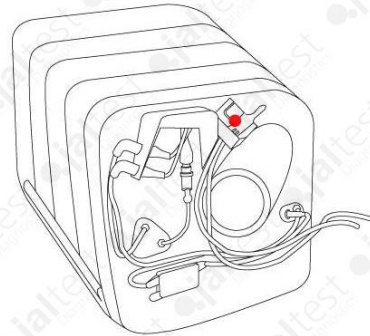


Full diagnosis of all systems.

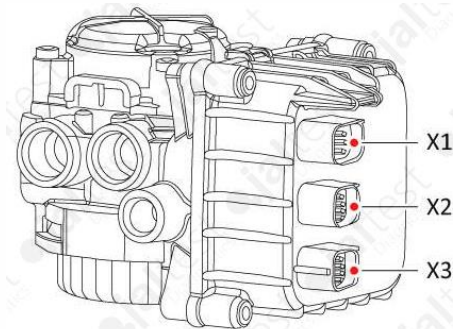
Engine



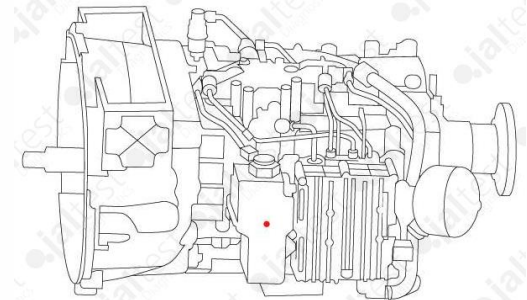
Anti-pollution



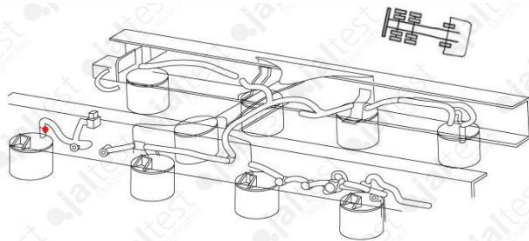
ABS / EBS



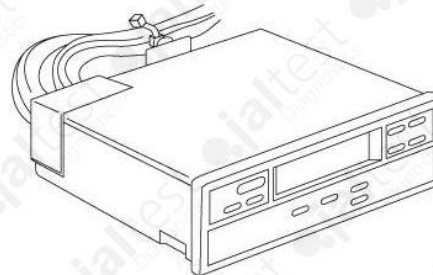
Gearbox



Suspension



Central computer

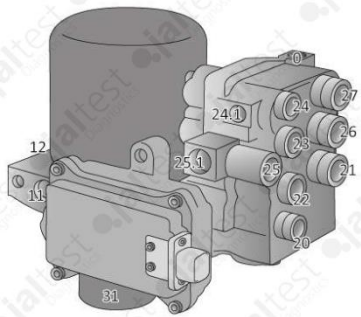


And more...

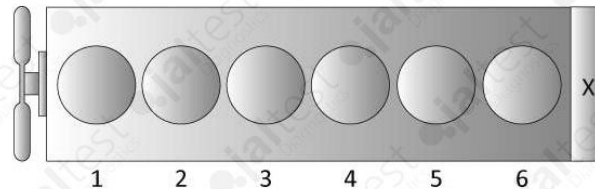
- Antitheft
- Safety
- Tachograph
- TPM
- Climate
- ...

Special functions.

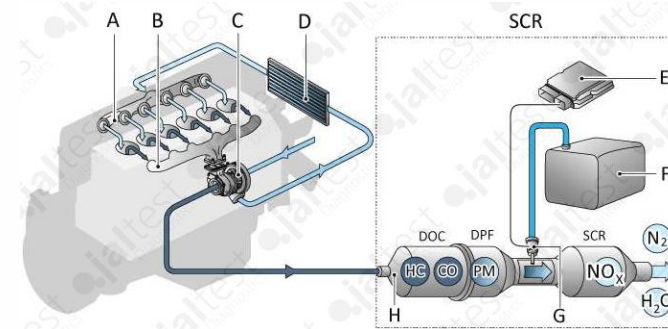
Air filter reset



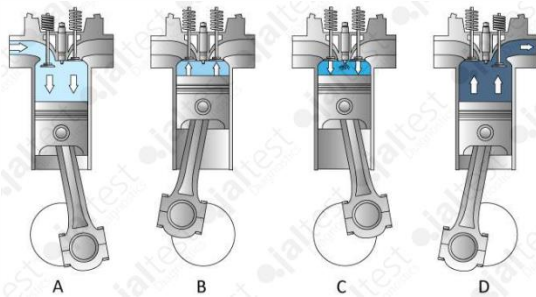
Cylinder Cut-out



DPF regeneration



Compression test

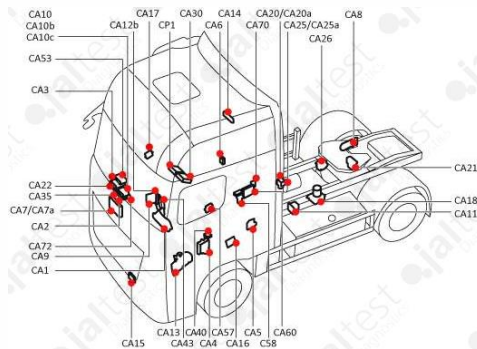


And more...

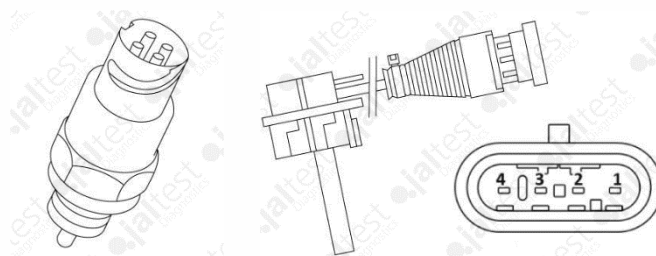
- System resets
- Operation data
- Maintenances
- Turbochargers
- Fans

A tool full of information.

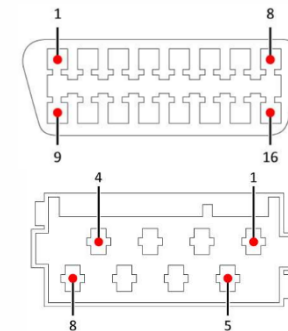
Control Units



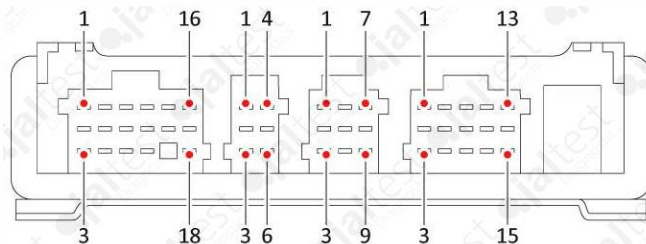
Sensors



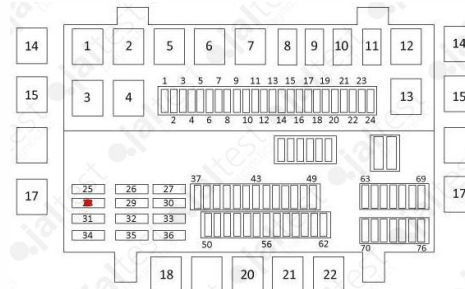
Connectors



Pin-outs



Fuses



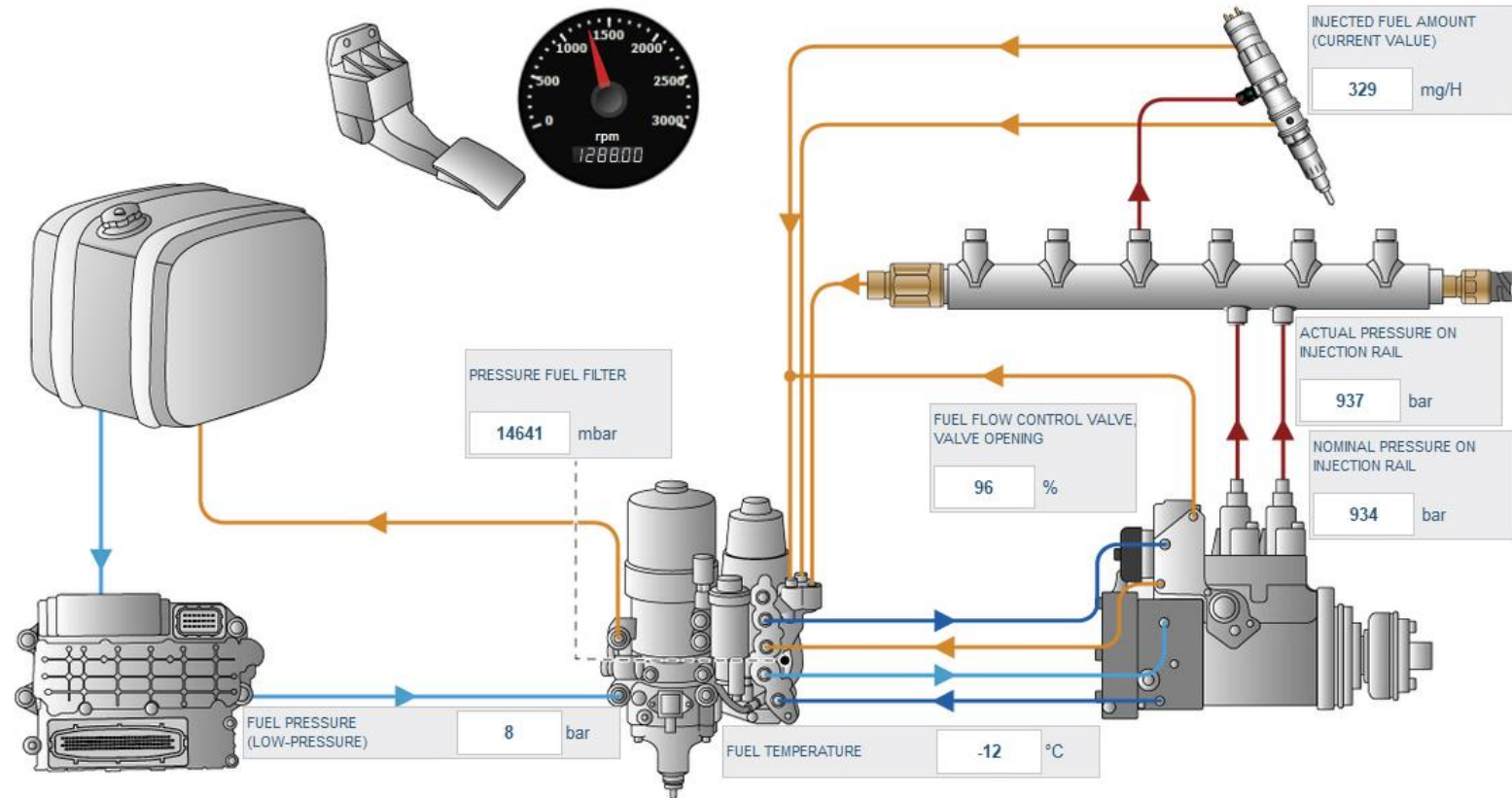
And more...

- Relays
- Clutches
- AdBlue
- Filter
- Valves

Live Data.

“System displays”

1. Fuel system

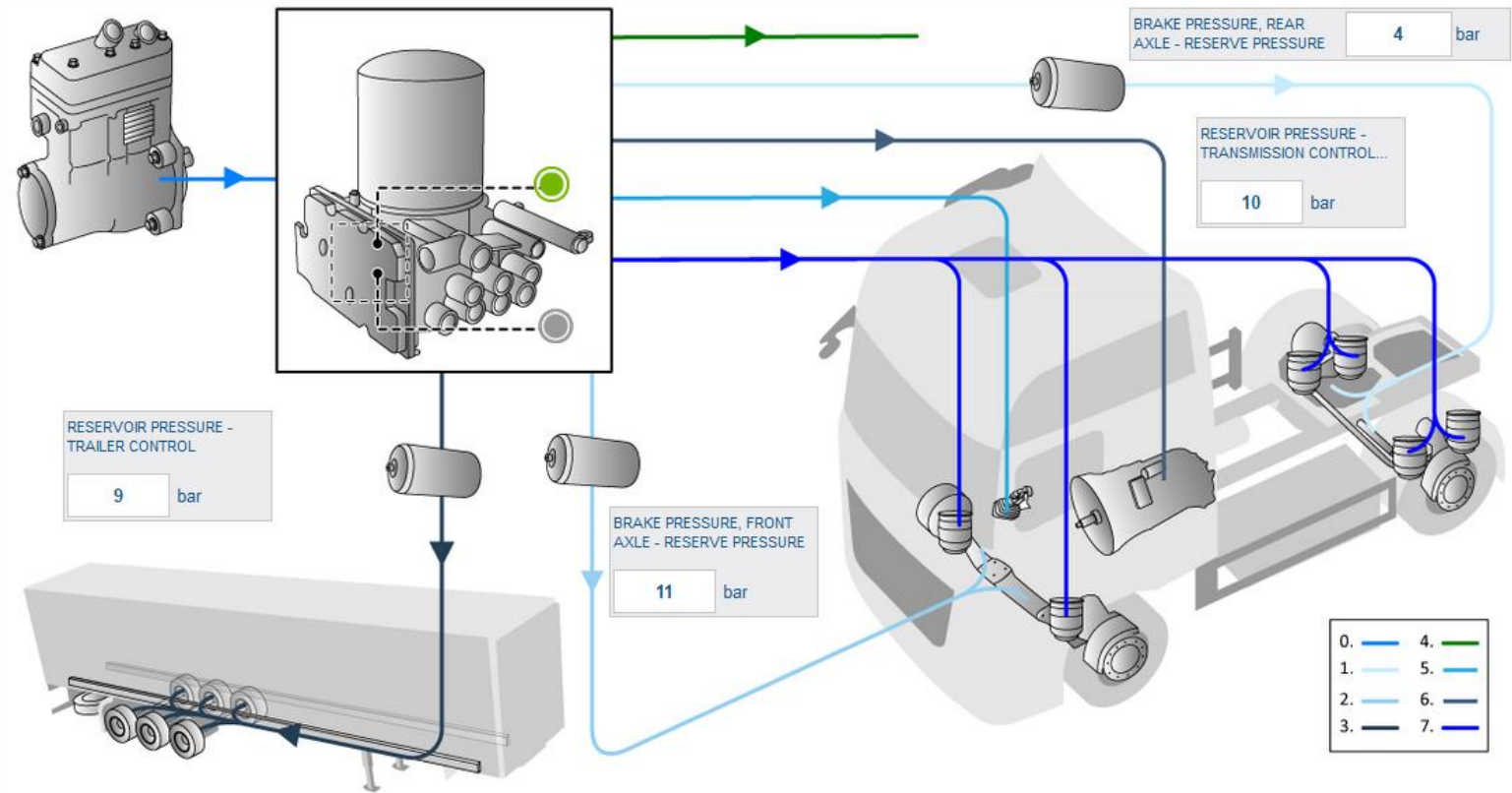


Live Data.

“System displays”

1. Fuel system

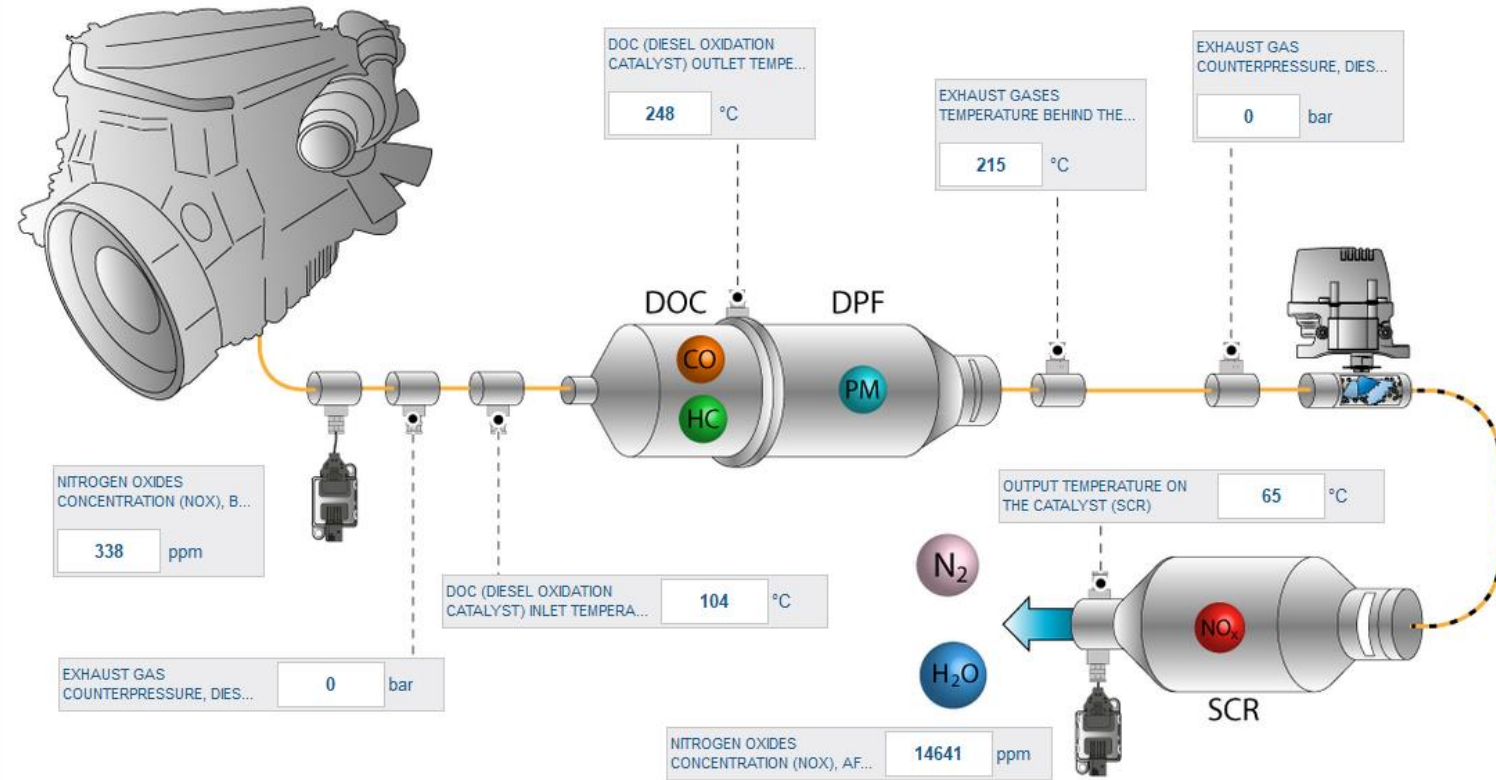
2. Air system



Live Data.

“System displays”

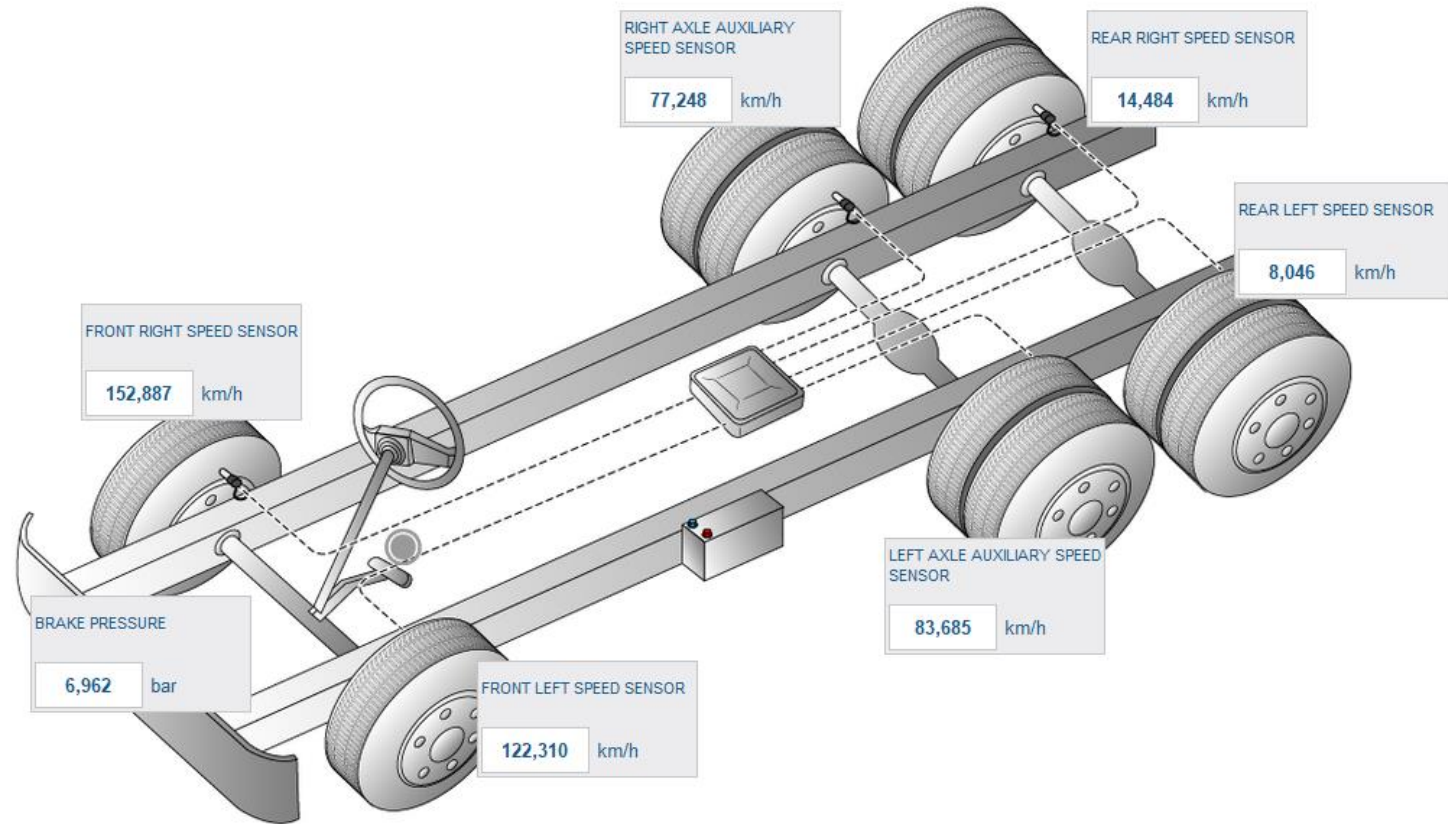
1. Fuel system
2. Air system
3. SCR



Live Data.

“System displays”

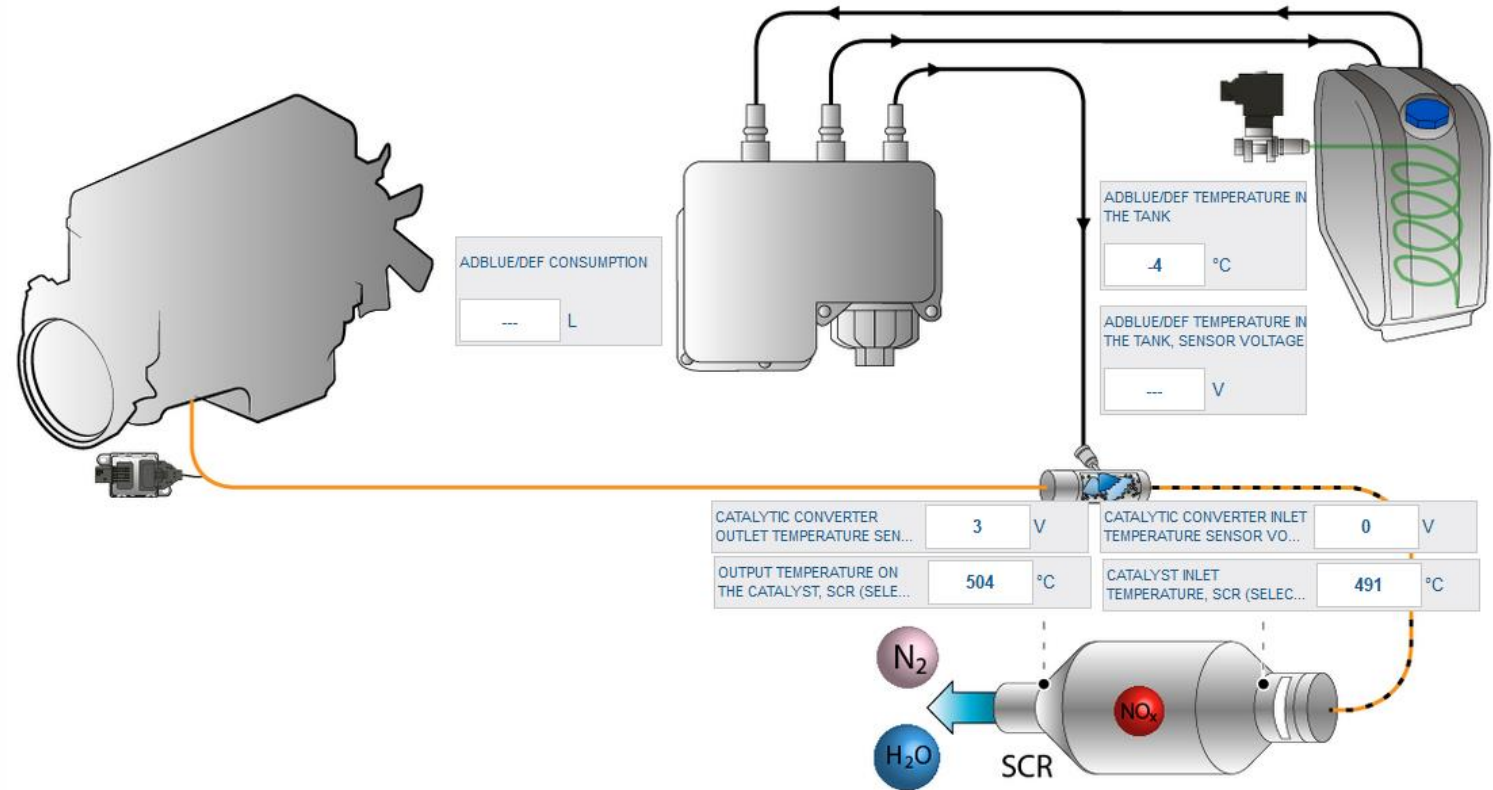
1. Fuel system
2. Air system
3. SCR
4. **ABS**



Live Data.

“System displays”

1. Fuel system
2. Air system
3. SCR
4. ABS
5. AdBlue



Additional Modules.

jaltest
info



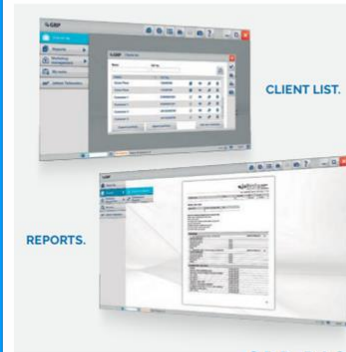
jaltest
ETM



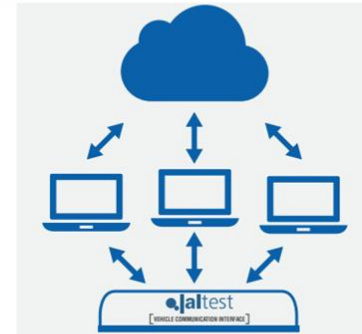
iparts



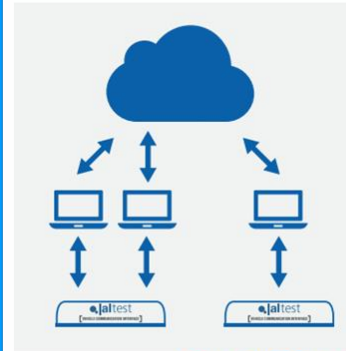
jaltest
GRP



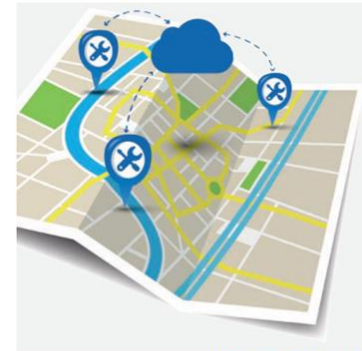
GRP BASIC.



GRP SYNCHRO.



GRP ENTERPRISE.



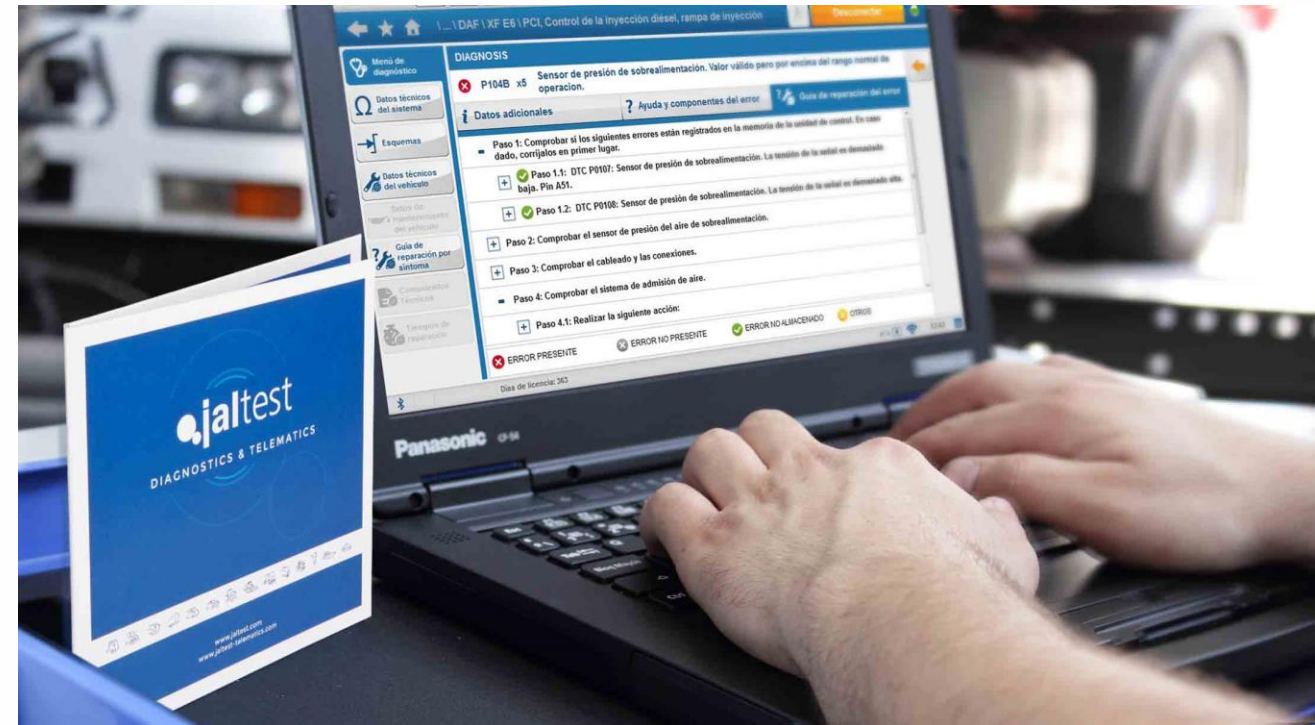
GRP NETWORK.

Jaltest info.



Detailed technical information including images, pictograms, graphics, diagrams and pictures for every vehicle to be diagnosed. This information will help to identify the error code, the part, the location... In this complete module we can find:

- Diagnostics (troubleshooting by error code).
- System Technical Data.
- Diagrams.
- Vehicle Technical Data.
- Vehicle Service Data.
- Troubleshooting by symptoms (diagnostics).
- Technical Releases.
- Repair Times.
- Manual Diagnosis.



Jaltest iparts.

Through the vehicle diagnosis and repair process we identify the part to be replaced.

Using Jaltest iparts, we may choose among different equivalent options for the same part. This way, the workshop has direct access to a wide data base of spare parts and suppliers.



Outstanding Features.

1. Interactive wiring diagrams.
2. System operating diagram.
3. System display.
4. Virtual instruments / Graphs.
5. Fleet customization.
6. Diagnosis by number plate.
7. All systems scan.
8. Shortcut so special functions.
9. Technical data and procedures.
10. Repair times.

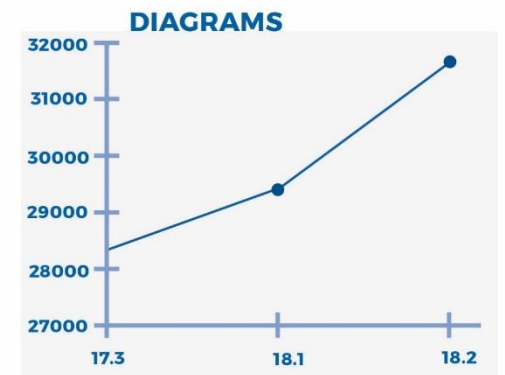
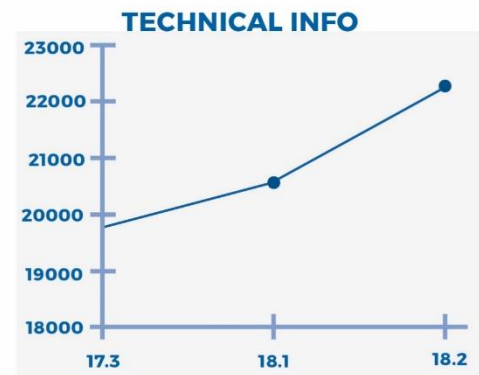
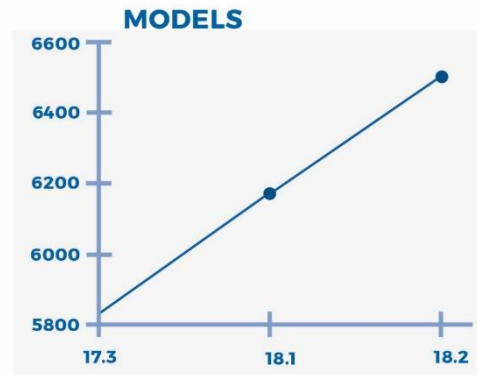
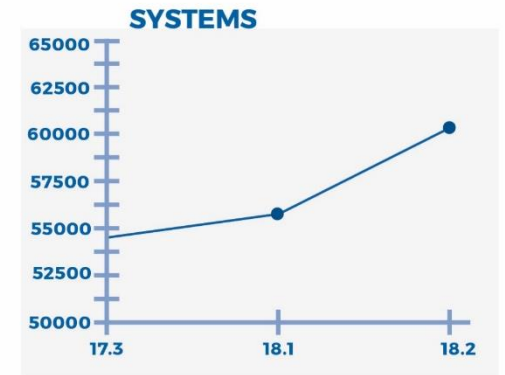
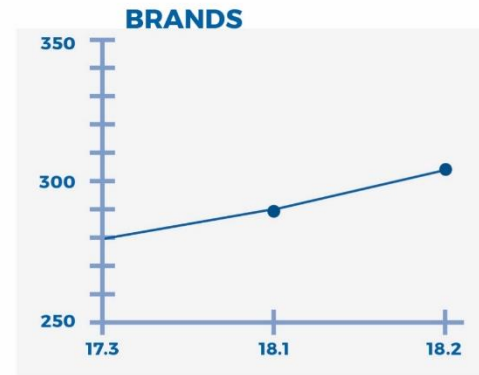


Updates.

THREE ANNUAL SOFTWARE UPDATES:

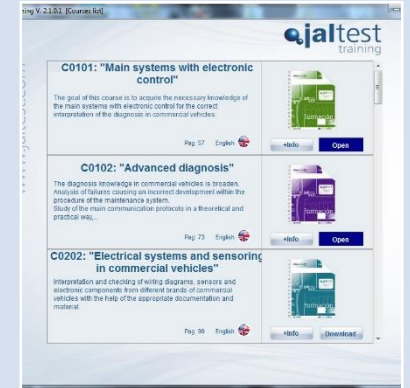


EVOLUTION PER VERSION:



Services.

1. TRAINING.



JALTEST SITE

Train the
Trainer

SP, FR, IT, US, RUS

ON-SITE

Partner
Location

Workshop Training

Any
Location

e-Learning (for partners)

Online

40 modules

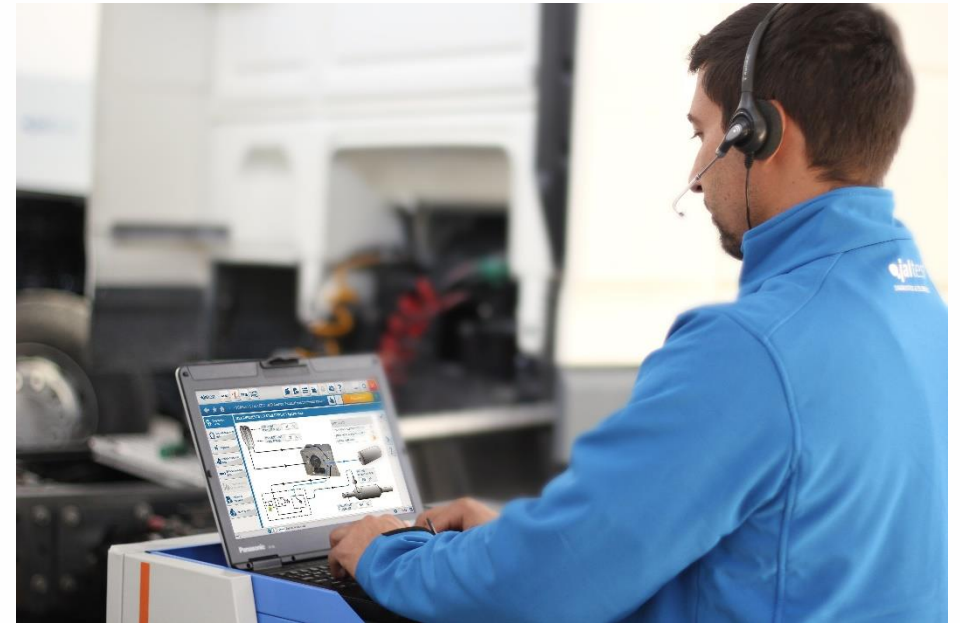
Services.

2. TECHNICAL SUPPORT. (VEHICLE REPAIR SUPPORT)

High quality technical support provided by experienced professionals.

This service includes:

- 1 Access to technical documents
- 2 Technical explanation for document interpretation
- 3 Search, location and breakdown interpretation support
- 4 Solution application consultancy for electrical, electronic and pneumatic breakdowns for all electronic controlled systems installed in a vehicle



Cojali. We meet all your Business needs.



●.cojali

●.defidiffusion

●.cojali
ITALIA

●.cojali
USA

●.COJALI
SYSTEMS

●.cojali
reman

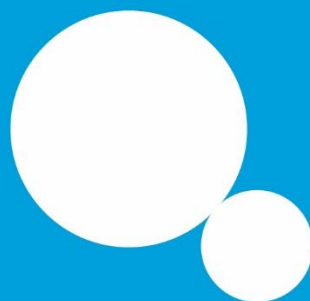
●.jaltest

●.jaltest
ODF

●.cofan

VINASORO

defiAUTO.



COJALI S.L.

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