



jaltest cv COMMERCIAL VEHICLES

INNOVATIONS 20.2

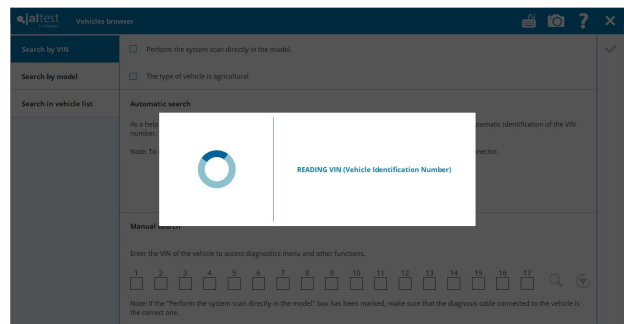
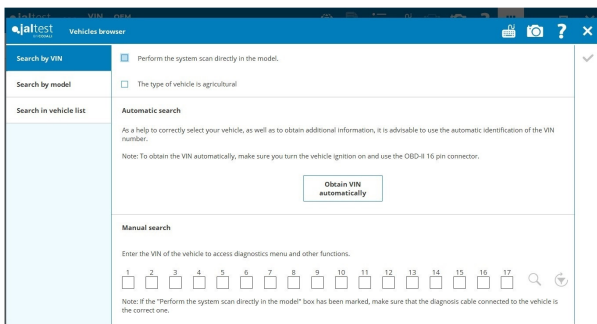
SOFTWARE INNOVATIONS

The new software version **Jaltest 20.2** once again offers improvements and innovations that consolidate this tool as a benchmark in **multibrand diagnosis** for commercial, agricultural and OHW (Off-Highway) vehicles.

Next, the most relevant software innovations are shown.

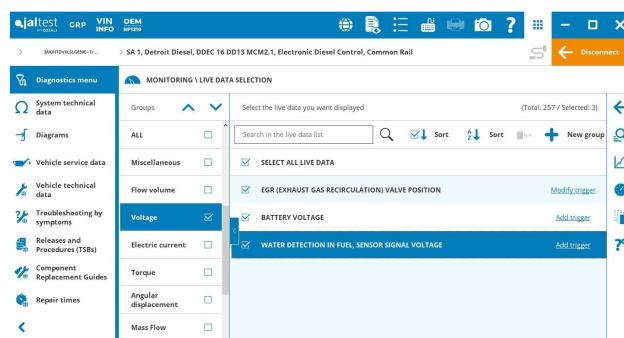
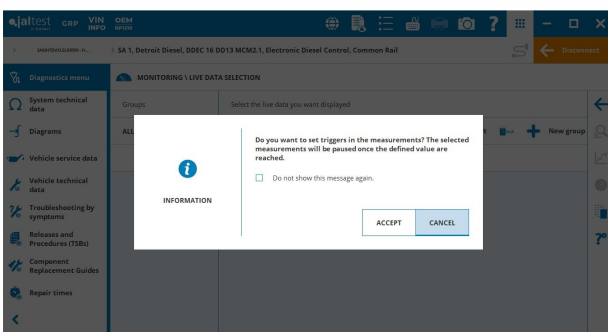
Obtain VIN automatically

In the vehicle browser of the main window of Jaltest, the search by VIN has been divided in: manual search and automatic search. Moreover, the option “Perform the system scan directly in the model” can be marked, which is valid for both searches.

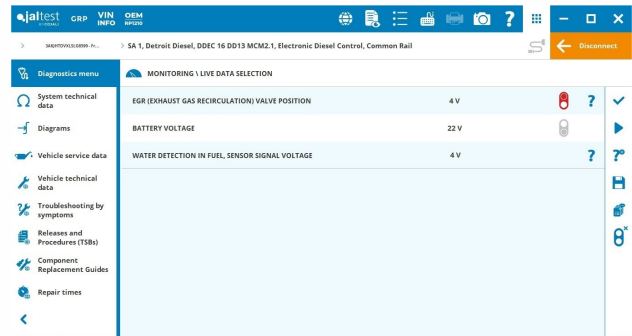
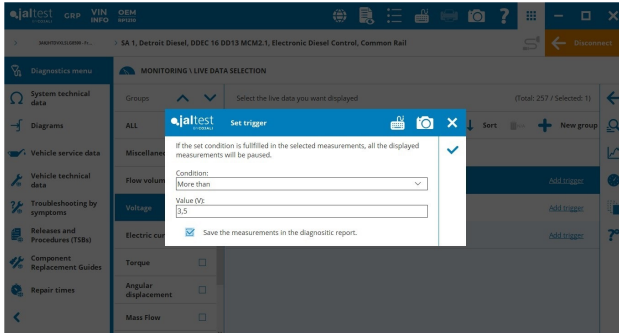


Define triggers in measurements

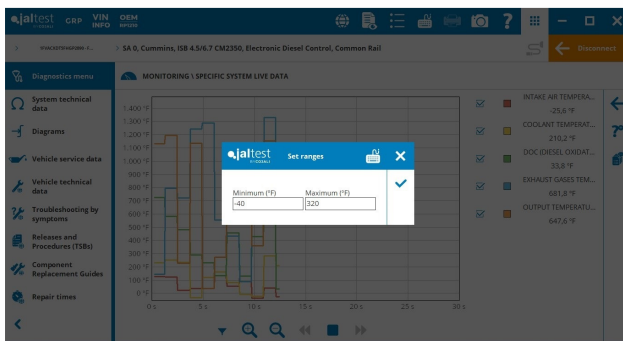
In the measurement selection, triggers can be set. The selected measurements will be paused once any of the defined values has been reached. The values that can be defined for a measurement are: more than, less than, equal to and different from.



Furthermore, the measurements paused through a trigger or through the corresponding button will save their value in the diagnosis report.



Measurement graph display tools

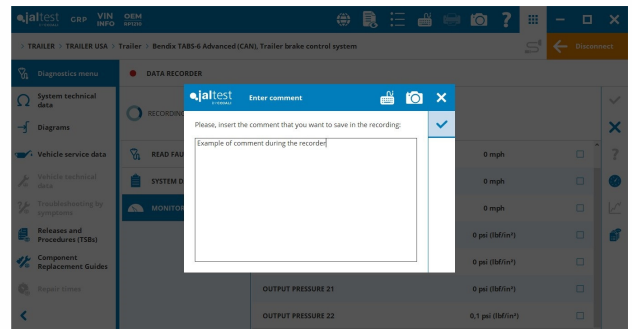
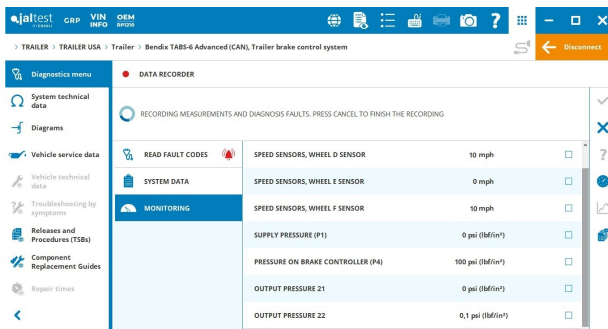


When the measurements are displayed through a graph, it is possible to zoom in them.

Moreover, if all displayed measurements have the same unit, the Y-axis range can be set by clicking on the “filters” icon on the left.

Improvements in the data recorder

The data recorder has been improved. From now on, the measurements are displayed during the recording and, in addition, triggers can be used to pause the test or to write comments at any moment during the recording. Furthermore, the measurements can be graphed and displayed with instruments.



In the data playback, it is possible to navigate directly to the comments defined during the recording. The comment can be read in the information panel at the bottom.

The screenshot shows the 'SYSTEM DATA' section of the diagnostic tool. The left sidebar contains a 'Diagnostics menu' with options like 'System technical data', 'Diagrams', 'Vehicle service data', etc. The main area displays the following system data:

NAME (SYSTEM)	TABS6 ADV MC
PART NUMBER	K028920
SERIAL NUMBER	20181250188
SOFTWARE NUMBER	700.100.001.021
ABS CONFIGURATION	4S/2M
ODOMETER	0 mi
ELECTRONIC STABILITY PROGRAM, ENABLED	NO

At the bottom, a comment is visible: 'Name: Bendix TABS-6 Advanced (CAN), Trailer brake control system_28042020163710.scfx Date: 28/04/2020 16:37'.

System Display in functions

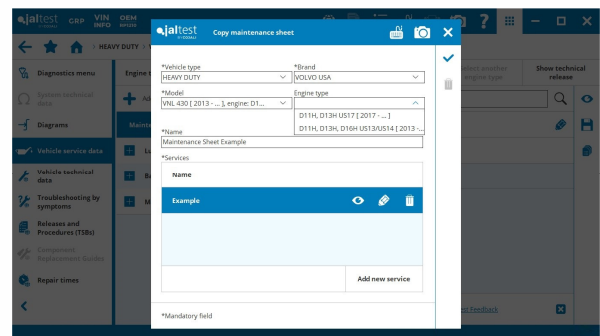
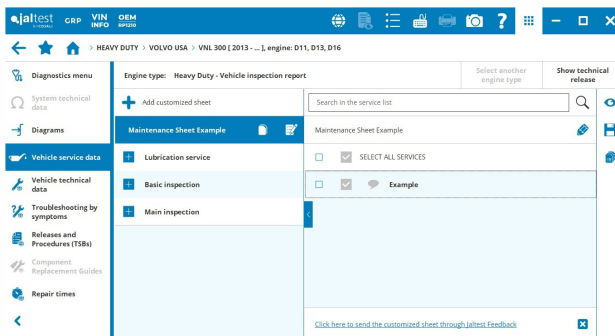
The image shows the measurements represented in a System Display during the particulate filter regeneration in a Cummins vehicle. The user will be able to evaluate the exhaust gas system in an easy and intuitive way during the test.

The screenshot shows the 'MAINTENANCE \ PARTICULATE FILTER REGENERATION' system display. It features a central diagram of the exhaust system with various components labeled: DOC, DPF, and SCR. The display includes several gauges and data panels:

- SOOT CONTENT ON THE PARTICULATE FILTER:**
 - NORMAL LEVEL:
 - HIGH LEVEL:
 - N/A:
- PARTICULATE FILTER REGENERATION, STATE:**
 - ACTIVATED:
 - DEACTIVATED:
 - SCR (SELECTIVE CATALYTIC REDUCTION) CATALY...:
 - PARTICULATE FILTER REGENERATION WITH THE VE...:
- EXHAUST SYSTEM GAUGES:**
 - Top left: RPM (172600) and kPa (14300)
 - Top right: AFTERTREATMENT DIESEL PARTICULATE FILTER DIF... (-5 kPa)
 - Bottom left: NOX NITROGEN OXIDE SENSOR BEFORE THE S... (13 ppm)
 - Bottom middle: Three gauges showing 29560, 104360, and 49620
 - Bottom right: NOX NITROGEN OXIDE SENSOR AFTER THE S... (150 ppm)
- Other Data:**
 - EGR VALVE, MEASURED VALUE (OPENED): 68 %

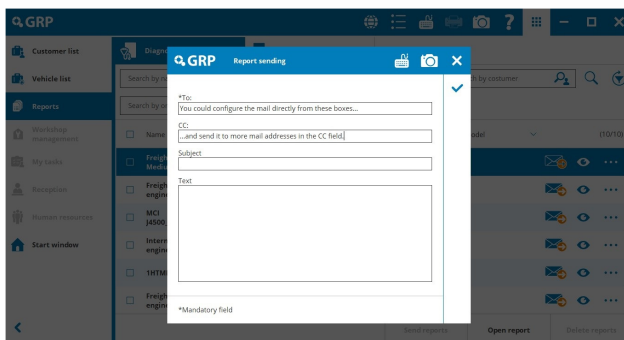
Improvements in vehicle maintenance data

A search filter has been added in the display form of the vehicle maintenance data. Moreover, from now on, the customized maintenance sheets can be copied to other models synchronizing the information in the GRP Synchro and GRP Enterprise data bases.



GRP

Report sending to an email address

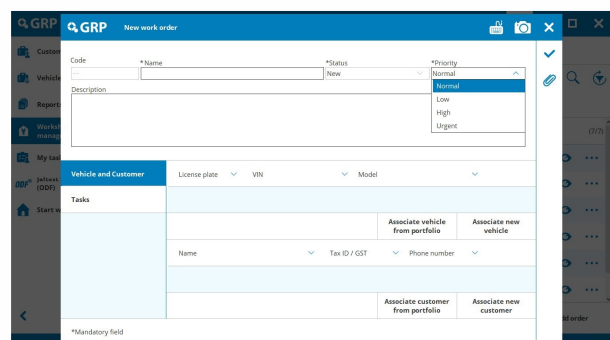


In the last version, the report sending to a customized email address in the configuration menu was presented and, in this version, this functionality is improved allowing the setting of one or several mailing addresses and the body of the email at the same time.

Priority of the work orders

It is possible to establish a priority in the work orders of GRP Enterprise. The priorities can be: normal, low, high and urgent.

The tasks acquire the priority of the order.



DIAGNOSIS AND SYSTEMS

Take into account that this document is only a summary of the most relevant information of this new version. For further information, please visit Jaltest Report.

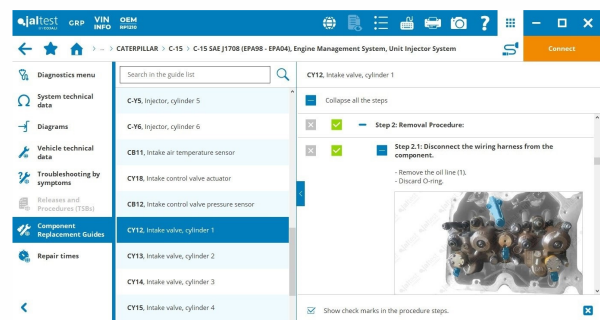
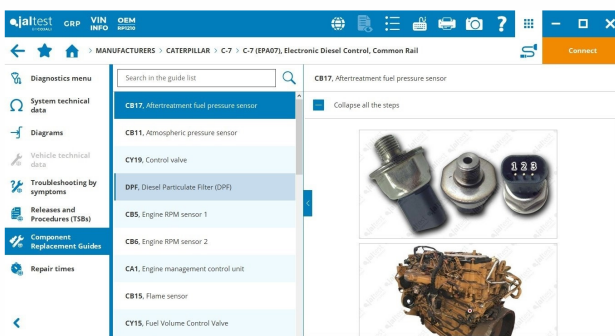
Heavy Duty Vehicles

BENDIX

ADAS Wingman, more than 150 new troubleshooting guides.

CATERPILLAR

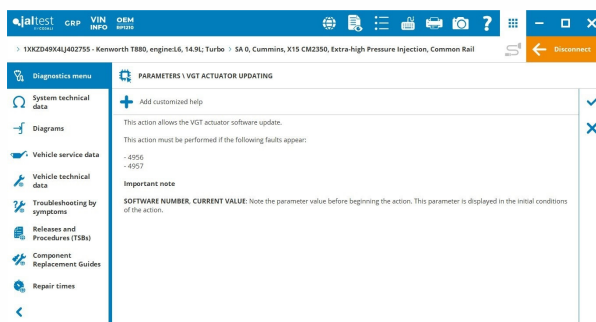
Replacement guides including specific images.



CUMMINS

⊕ Agility fuel delivery system **CM1881B AFS101** installed in **CM2350 CNG Near Zero** engines.

⊕ **X12 CM2350 X119B**, full coverage (parameters, maintenance, resets, etc.)

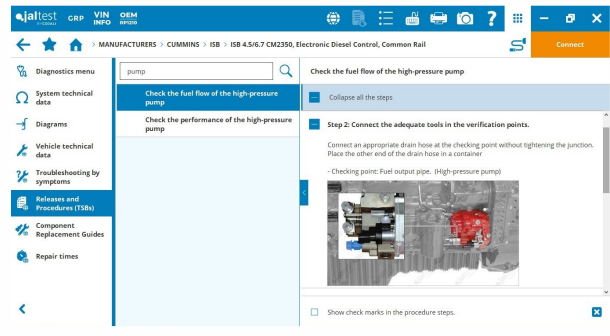
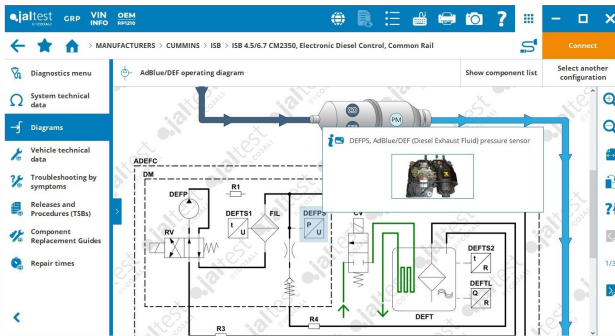


Variable geometry actuator software update for **ISL9 CM2350** and **X15 CM2350** engines.

SCR inducement parameter for **QSB 4.5/6.7 CM2350**.

New AdBlue/DEF diagrams (Denoxtronic 2.2) in more exhaust gas aftertreatment systems indicating the operating phases.

Procedures for checking the fuel flow of the high-pressure pump and the low-pressure fuel system in **ISB 4.5/6.7 CM2350** and **ISX 11.9/15 CM2350** engines.



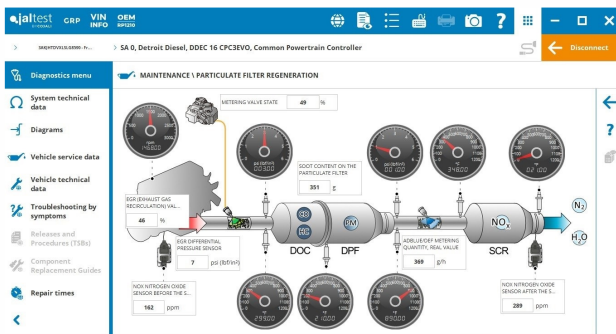
DETROIT DIESEL-MBE

EPA 07/EPA 10/GHG14/GHG17 vehicles:

- SCR Efficiency test for GHG14/GHG17 engines.
- System Display during the DPF regeneration and the DEF activations.

DT12 transmission, repair times for most common procedures.

New Cascadia modules, new variants and expanded coverage for 2019-2021 vehicles.



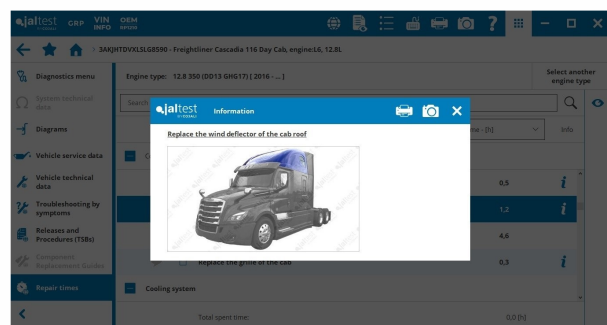
Task	Repair Time (h)
Output shaft yoke replacement	1,7
Transmission Power Take-Off (PTO)	
Transmission Valves	
Clutch release actuator replacement	6,3
Countershaft brake valve replacement	6,5
Total spent time:	20,1 (h)

EATON

Procion, new variants have been included.

FREIGHTLINER

Repair times including specific images for the most common models: Cascadia & New Cascadia, M2, MT45/55, etc.



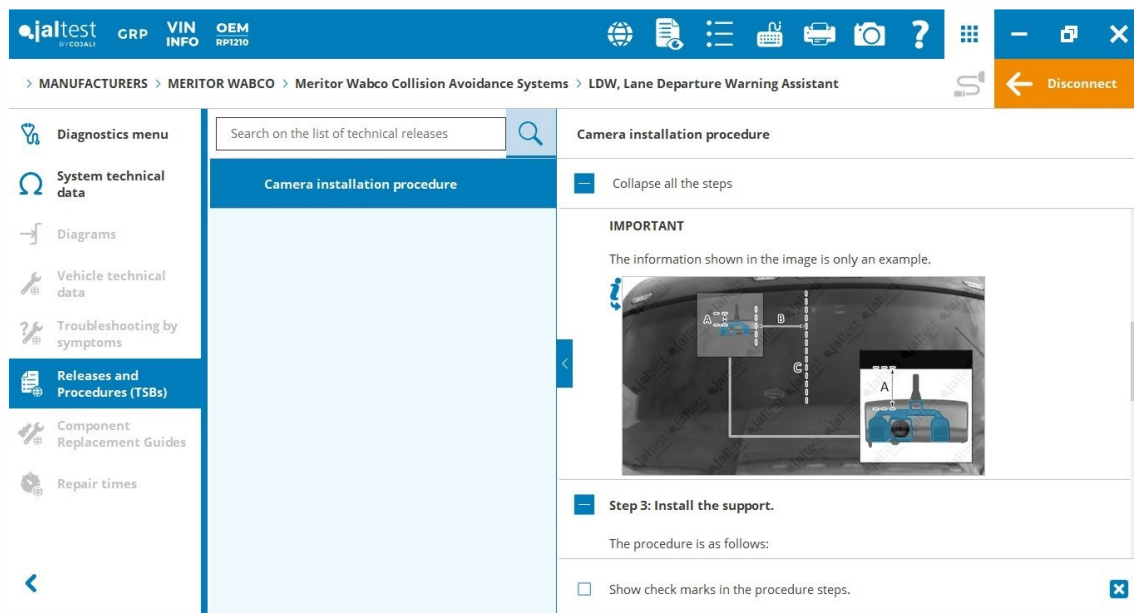
MACK

AdBlue ACM V3, new US19 wiring diagrams.

VECU Mack IV, new variants and new US19 wiring diagrams.

MERITOR WABCO

Online LDW lane departure warning system, new camera installation procedure.



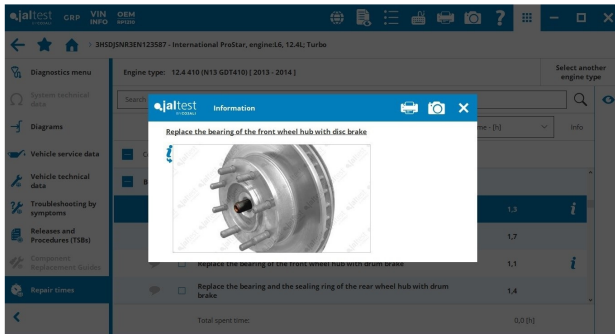
NAVISTAR INTERNATIONAL

Repair times including specific images for the most common models: **LT**, **ProStar**, **MV**, **TerraStar**, etc.

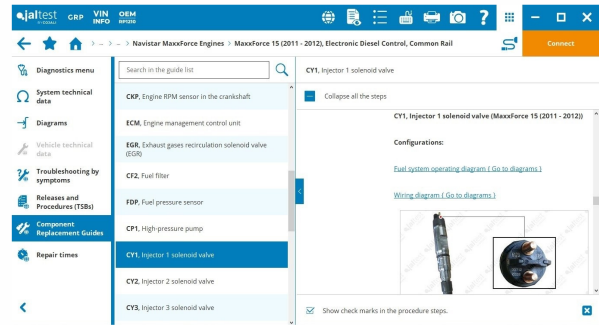
MaxxForce, **N-Series** and **A26** engines, System Display during the DPF regeneration.

MaxxForce 11/13 engines, expanded PTO and remote PTO parameters.

MaxxForce 5 (2007 - 2009) engines, new parameters as the maximum vehicle speed or the Cruise Control speed.



PACCAR



PCI KWP2000 engine system:

Turbocharger actuator position test including specific information.

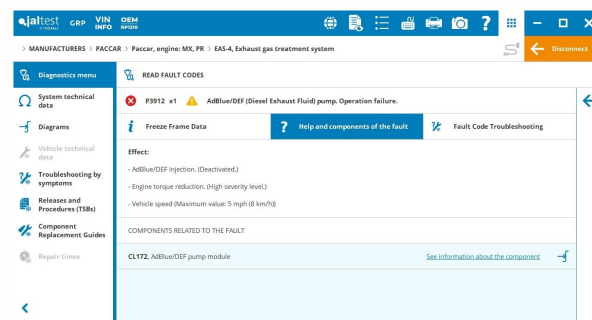
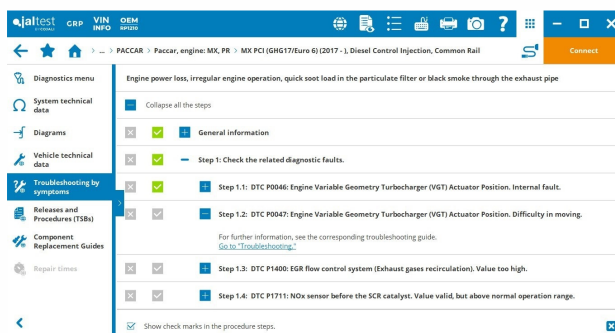
PCI UDS engine system:

Troubleshooting guides by symptoms: engine power loss, irregular operation, quick soot load in the particulate filter or

black smoke through the exhaust pipe.

AdBlue/DEF EAS4 Ecofit UL2 exhaust gas aftertreatment system:

- Extended information for the fault codes which cause vehicle limitations such as the speed limitation, engine torque reduction, etc.
- Soot level reset.



PSI

PSI 6.0 Gasoline

- PTO and Cruise Control parameter configuration.
- More than 25 new component replacement guides.
- More than 100 new troubleshooting guides.
- Repair times for the most common procedures.

VOLVO

- ⊕ New **VNX Series** models.

TRAILER

Bendix TABS6-ADV MC, bi-directional tests such as the modulator activations, the ABS warning lamp activation, etc.

LIGHT COMMERCIAL VEHICLES

FREIGHTLINER

- ⊕ New **Sprinter 2500/3500/4500 (engine OM642)** [2019 - ...] models.

Wiring diagrams in the engine control system **CR61** for **WDB907** models.

GM

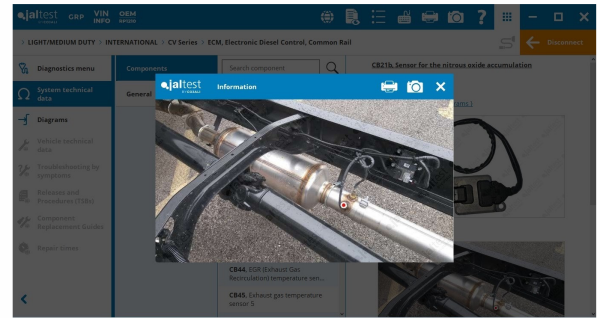
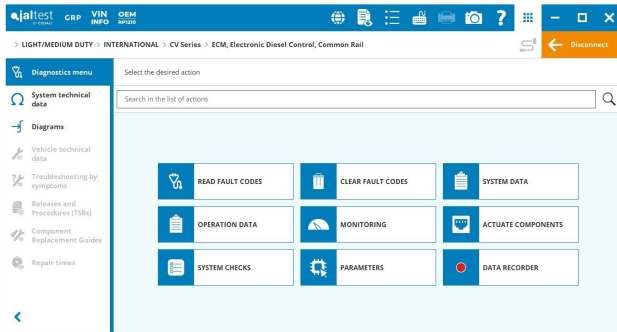
New path through **MANUFACTURERS**.

HINO

J08E (K line) engine control system, PTO and particulate matter amount parameters.

INTERNATIONAL

⊕ **New brand** including the newest engine system Duramax L5D with basic diagnostic functions, bi-directional tests, etc. Wiring diagrams and technical data are also available.



ISUZU

Extended coverage, N Series 2020 models.

MERCEDES-BENZ

⊕ New Sprinter 2500/3500/4500 (engine OM642) [2019 - ...] models.

New fuel system schemes for the OM651 (... - 2018) and OM642 (... - 2018) engine types.

WORKHORSE

Wiring diagrams in several models.

