

e altest commercial vehicles

INNOVATIONS 23.1













SOFTWARE INNOVATIONS

The new software version Jaltest 23.1 once again offers more improvements and innovations that consolidate this tool as a benchmark in multi-brand diagnostics for commercial vehicles, agricultural equipment, OHW equipment, material handling equipment and vessels.

Overall, some improvements in the software usage have been added, including:

- Ordering the measurement display by the user.
- Displaying the support information of a System Display in an action.
- Improved parameter confirmation with more limits, conditions and exceptions.

The additional module OEM|RP1210 module has also been added. Through the module OEM|RP1210 it is possible to configure and execute diagnostics tools of manufacturers that have been designed according to the standardised communication method RP1210, which defines good practices established by the TMC organisation with the aim of using communication devices compatible with this standard, such as Jaltest Link.



This version also enables the download of the **Jaltest University** training program from additional modules.













Connection test and communication bus test

Shortcut to the connection test and the communication bus test of the vehicle, allowing to verify the power supply, as well as the connection and communication errors in the diagnostics connector of the vehicle. In addition, enhanced display of the communication bus test by indicating the pins of the OBD and 9-pin Deutsch connectors that are checked.

	CK > MERCEDES-BENZ > Actro	\$ 4 (963) [2012 - 2018] >	ACM, EXN	aust gas treatment system
🖓 Diagnostics menu		Types 🔨	~	Select a system from the list and click on Connect button (Options: 53/53)
System technical data	All Systems Scan	ALL	≥ ^	Search by system name Q Name OActions
Diagrams	Main Systems Scan	Antipollution	8	ABS/ESP, Antilock braking system
🔨 Maintenance data	Special functions (shortcuts)	Antitheft	8	ACM, Exhaust gas treatment system
Vehicle/vessel data	ODR data (shortcuts)	Auxiliary brakes	⊻	APS, Electro-hydraulic steering system
Troubleshooting by symptoms	Maintenance reset (shortcuts)	Brakes	×	ASA, Additional steering axle
Releases and Procedures	Manual diagnosis	Central computer	8	ATA, Anticheft alarm system
		Chassis module	8	BESO, Battery disconnecting switch
		Climate HVAC	×	CCM, Torque converter clutch with retarder function
<		Compressed air processing	Z	CDS, Vehicle data central unit

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← ★	jaltest can bus test	io ×
Ω System data → Diagras	Verifying communication channel 2 OBD: 3,11 Deutsch 9 plms: HJ).Actions
 Mainte Vehicle Trouble sympto Release Procede 		
<	processing	GDS, Vehicle data central unit

The supply voltage of the system is also displayed throughout the diagnostics session.

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~ N	Aaintenance data	×.	DIAGNOSIS	Î	ERROR CLEARANCE	Ê	SYSTEM DATA		
/# V	/ehicle/vessel data								
	roubleshooting by ymptoms		MEASUREMENTS	-	ACTUATE COMPONENTS		SYSTEM CHECKS		
	Releases and Procedures	4	PARAMETERS	< _^	MAINTENANCE	\ltimes	CALIBRATION		
		•	DATA RECORDER						
<									
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System scan displayed in CAN diagrams

Display of the system scan in CAN diagrams for some of the most important models in the market. The functionality coverage will continue to increase in future versions.

DAF XF E6 (F7/BH Series) [2017 - ...] SCANIA New R 770 Series MERCEDES-BENZ Actros 4/5 (963) IVECO Stralis XP/Hi-Way/Hi-Road/Hi-Street Euro 6





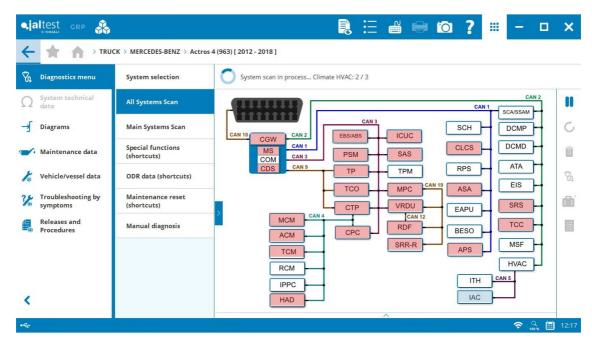








IVECO S-Way & W-Way TGX (TG1/TG2/TG3 Series) X-Way



GRP

Improved user experience in GRP thanks to the following innovations:

- Saving audios assigned to a report.
- Creating alarms from client lists, vehicles or reports.
- Improved management of report e-mail sending.
- GRP Analytics information by device in GRP Enterprise.

In addition, shortcuts to GRP vehicles can be created as favourites in brand forms. The management is performed from the vehicle list. This allows the user to create shortcuts to client fleets, vehicles, etc.

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Û	Workshop management		TRUCK		GROUP1								8	0	
8	My tasks		TRUCK		GROUP2								8	0	
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DF	Jaltest Telematics (ODF)														
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Available brands: (68/68)	~ ~	Favourite brands (2/68)	Other connection options
Search on the brands list	Q		
AGRALE			
ASHOK LEYLAND			
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ASTRA			~
AVIA			
BEIBEN	•		
BHARATBENZ			
BMC		Configure the list of favourite brands using the icon 🧭	













BRANDS AND MODELS

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.

Some of the new models and brands of this version are listed below.

FIAT

Doblo 1.3 Cargo/eDoblo [2021 - ...] Scudo/eScudo [2021 - ...]

IVECO

Daily MY2021

LDV/MAXUS

EV90 eDeliver9

EV30 eDeliver3

MERCEDES-BENZ

CITARO HYBRID (WEB628), engine: OM 936 h (VI)

CITARO NGT (CNG) HYBRID (WEB628), engine: M936G (VI)

DIAGNOSTICS 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.

Overall, there are new technical information and troubleshooting guides (now **SMART guides**) by symptoms and of the most common fault codes in the workshop thanks to the communication channels with clients such as the technical support offered by the project, training, Jaltest Feedback and "Product improvement" option.

This version includes new procedures in which the use of special tools from Jaltest Tools is essential, such as the use of the reference **50105192** – **TOOL TO REMOVE THE INJECTOR SLEEVE** for **VOLVO D7E/F** engines or the reference **50105184** – **TOOL TO POSITION THE DISTRIBUTION SHAFT** for **IVECO** engines, among others.





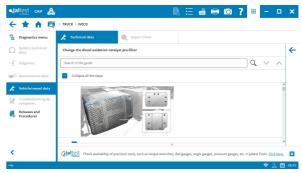








New procedures have been added in all major brands, such as "Change the Diesel Oxidation Catalyst pre-filter" in **IVECO FE611** engines, new model technical data and maintenance services in the latest models, for example, models with **MB5 technology** in **MERCEDES-BENZ**.



TRUCK

DAF

As a new innovation, **SMART** guides associated to fault codes in the **PCI on KWP2000** engine control system. It is worth noting the guides associated to the **P153B** and **P3101** fault codes. In addition, technical data and wiring diagram configurations have been included in several brand systems. For example, new operating diagrams of the **ECAS-5** suspension system have been included in **XF**, **XG/XG+** and **XD Euro 6 CB Series** models.

Diagnostics menu	P1538	
System technical data	MANUAL DIAGNOSIS CODE PISSB. (IRROR CODE: PISSB). Revolutions sensor, crankcase ventilation system. Valid data, but below normal operation range.	
Diagrams	? Help and components of the error $2\{\frac{1}{r_{ep}}\}$ Fault Code Troubleshooting	
🔨 Maintenance data	Traubleshooting [Step 3]	•
Vehicle/vessel data Troubleshooting by symptoms Releases and Procedures		^

		6 (G3/CB Series) [2021] > ECAS-5, Electronically (Controlled Air Suspension	← Disconne
81	Diagnostics menu	- FAN, FAN-LD, FAR, FAR-LD, FAS, FAS-LD - Vehi	cles with front air suspension and lift axle	Select anoth configuration
Ω	System technical data	Search in the component list Q	ajatigt incom	
	Diagrams	Show full list	ECA85_FAN_FANLD_FAR_FARLD_FAS_FASLD_V23.1	1. Sin
	Maintenance data	+ Add personalised component information	alter at at a set of the set of t	
1.	Vehicle/vessel data	CD453, ECAS ECU		1
3%	Troubleshooting by symptoms	CF899, Suspension pressure sensor of the lift axie 1		
Ø,	Releases and Procedures	CF901, Suspension pressure sensor of the lift bellow 1		1.E
		CF904, Level control pressure sensor at left driven axle		-X***
		CF905, Level control pressure sensor at right driven axle		
<		CF906, Right height sensor of the drive		191

PCI-2 engine control system, operation data, reset of the rail pressure control valve and checks such as the compression test, the NOx sensor check or the AdBlue/DEF dosing, among others.

VECU-2 vehicle control unit, activations of the external lights, the windscreen wiper and the acoustic alarm of the reverse gear.

- Airbag-3 in Euro 6 models.
- CDM passenger door module in XF, XG/XG+ and XD Euro 6 CB Series models.

CMR chassis control module, rear light activation.

ACH-WW auxiliary heater, performance test of the fuel pump.













IVECO

Hi-Traction hydrostatic front traction system in X-Way models.

New measurements of the **ASM** suspension system in **S-Way** models in which the control of variants and functions for the **EDC MD1 + Denox 6-HD** engine control system has also been improved. In addition, this system includes the System Display.

FORD

EDC 17 Ecotorq engine control system, system checks, maintenance services and injector coding in **F-MAX Euro 6** models.

HINO

Traxon transmission in 700 Series models.

DDS ADAS driver assistance service, ES Start hill start assist system and HID/AHL light unit in 500 Series models.

MAN

CVM2 central computer, component activation, vehicle speed limit configuration and clutch calibration for manual gearboxes.

EDC MD1 + Denox 6-HD engine control system, new system activations.

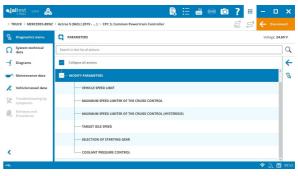
MERCEDES-BENZ

In vehicles with MB4/MB5 technology:

CPC3 common powertrain controller, configuration of the coolant pressure control.

CPC5 common powertrain controller, clutch calibration for manual gearboxes.

MCM engine control system, low-pressure fuel circuit check.



In **Unimog** vehicles:

Control unit for **STCU** special vehicles, parameter configuration.













RENAULT

In vehicles with **V3 technology**:

EMS DTI engine control system, activation and check of the Exhaust Gas Recirculation valve.

	RUCK > RENAULT > D S	eries V3 Euro 6 (15.75.5 (12013)). ADCM, Exhaust pas treatment syntem
8	Diagnostics menu	MEASUREMENTS \ SYSTEM DISPLAY \ System state
Ω	System technical data	
-f	Diagrams	
-	Maintenance data	
10	Vehicle/vessel data	
3%	Troubleshooting by symptoms Releases and	
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In vehicles with V4 technology:

ADCM exhaust gas aftertreatment system, activations of the AdBlue/DEF tank heater, the AdBlue/DEF flow direction inverter valve and the AdBlue/DEF injector, among others.

CCM climate control, fuel dosing test and auxiliary heater unlocking.

SCANIA

SMART guides associated to the 135 fault code of the **EMS XPI** engine control system *"Too low accumulator fuel pressure".*

⊕ SC4 tachograph.

ICL instrument cluster, configuration parameters of the warning signals.

APS and APS2 compressed air processing and generation systems, operation data.

VOLVO

In vehicles with V3 technology:

FAS electrohydraulic steering system.

VECU5 vehicle control system, reset of the compressor and the compressed air dryer, parameter configuration of the power take-off and the cruise control, etc.

In vehicles with V4 technology:

CCIOM chassis central module, enable/disable the fifth-wheel sensor.

DACU ADAS system of driver assistance, activation of the Lane Change Assistant.

	DX V4 [2013], engine: D11K/D	13K/D13&C > D4CH Driver			ě 🖶		? ==	- +	Disconne	×
♥ Disgnastics mean ♥ System technical data ● Disgnast ● Maintenance data ● Maintenance data ● Produktioned data	Components	KS] Q (Configu	lagram (Go to	mp	21 min-			
<mark>ر</mark> ج	Qialtest Check availability	r of precision tools, such as torqu	e wrenches, dial g	jauges, angl	le gauges, pres	sure gauges,	etc. in Jaltest	Tools. <u>Oic</u>	_	09:04













BUS

EDC 17 CV41 FTP engine control system that applies to several bus brands, System Display of the exhaust gas system and the exhaust gas aftertreatment system. In addition, the System Display has been used in the Diesel Particulate Filter regeneration.

BYD

ELDM electric leakage detection module, system activations.

IRIZAR

VSE ETS steering control unit, new measurements.

MAN

EGC4 E18 gas engine control system in Euro 6 buses.

MERCEDES-BENZ

• EMGW, MHS and MHM hybrid bus control systems.

EHPS electrohydraulic steering in Euro 6 buses.

CGW central computer, telematic service parameters.

SCANIA

In hybrid models:

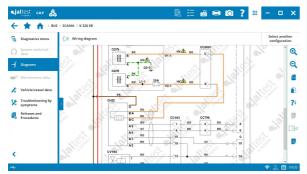


Diagram configurations.

Master unit of the **BMU6** drive-battery management system in hybrid buses, measurement development and other advanced system functions.

IBU2, hybrid battery management system, system measurements.

In CNG models:

CNG/LNG Euro 6 EMS EMO1 engine control system, operation data of the operating time of the starter motor.

CNG Euro 6 EMS OCS1 engine control system, new measurements.

VAN HOOL

New wiring diagrams available in the brand.













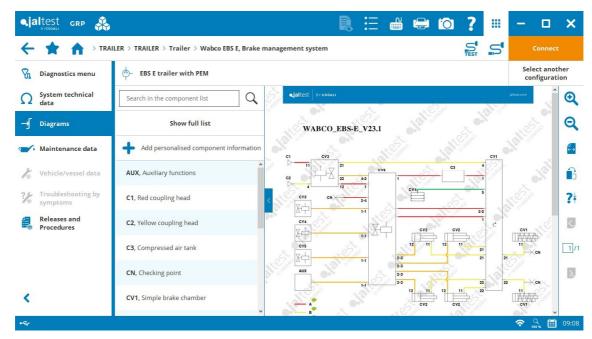
VOLVO

In vehicles with **V2 technology:**

VCU2 vehicle control unit, fan activation.

TRAILER

This version, there are new operating diagrams of Trailer ABS and Trailer EBS systems available in all brands.



THERMO KING

Fuse and relay box in **Smart Reefer 2** and **Smart Reefer 3** systems.

LIGHT COMMERCIAL VEHICLE

FIAT

ABS, BCM, EPS, etc. systems in the Ducato MCA model with SGW.

MD1C5069 engine control system in the Ducato MCA [290] model.

IVECO

DCU exhaust gas aftertreatment system in the **Daily MY.2019** model, component replacement such as the AdBlue/DEF pump.

ICT TFT instrument cluster in the Daily MY.2019 model, activations.

BMS ABS9/ASR9/ESP9 brake system in **Daily MY.2014** and subsequent models, EPB actuator activations.













ISUZU

6NX1-TC Euro 6 engine control system in C/E and GIGA Series models.

MERCEDES-BENZ

SCR Gen 4 exhaust gas aftertreatment system, activations of the heating elements and the AdBlue/DEF dosing valve, reset of the system warning message, etc.

VGS NAG3 (9G-Tronic) transmission, advanced functions such as the torque converter activation, the roller bench test, the service reset, among others.

PSA GROUP

eVCU electric vehicle control unit, activations and component replacement.

Model wiring diagrams in Jumpy/Expert [K0] vehicles with diesel engines.

VOLKSWAGEN

Model wiring diagrams in T6.1, eCrafter and Crafter Euro 6d vehicles.

