

# commercial vehicles

# **INNOVATIONS 24.1**











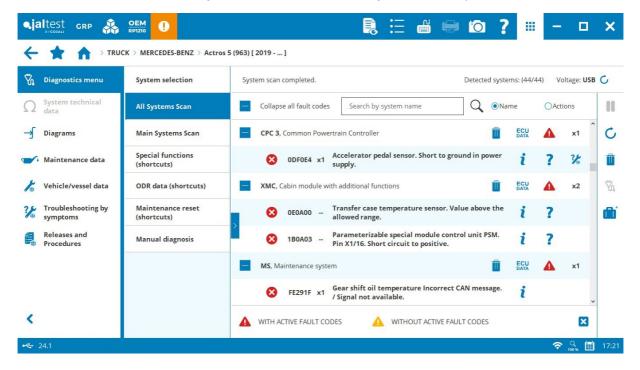


## SOFTWARE INNOVATIONS

The new software version Jaltest 24.1 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.

With the innovations of the graphic interface, it is possible to:

- Add new formats to the table cells and highlight data.
- Attach the diagnostics report to a Jaltest Feedback.
- Keep the expert mode active in each software login.
- Delete fault codes directly from the results of a system scan process.



# 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.













#### **ASTRA**

HD9 Euro 6-E

#### **DENNIS EAGLE**

Elite 6 Asian-Pacific

#### FIAT

Dobló 1.6 Cargo/Multijet, engine: 940 C1/263 A7/263 A8/263 A9 [2016 - 2019]

Ducato 2.2 BlueHDi, engine: DW12 [2019 - ...]

#### FORD

Ranger 2.0 EcoBlue, engine: P02X [2022 - ...]

#### FOTON

Atlas, engine: Cummins

#### ISUZU

ERGA MIO, engine: 4HK1

#### **MITSUBISHI FUSO**

Canter, engine: 4P10 Euro 6E

#### SCANIA

K 320 Hybrid

#### ΤΟΥΟΤΑ

Hilux 2.8, engine: 1GDFTV [2020 - ...] Hilux 2.4, engine: 2GDFTV [2020 - ...]

#### **UD TRUCKS**

Condor, engine: J07E

#### VOLKSWAGEN

Crafter 35/50/55 2.0 TDI, engine: DREB/DREC [2021 - ...] Caddy 2.0 TDI, engine: DTRC/DTRE/DTRF [2020 - ...]

#### VOLVO

FH FM/FMX Electric V4 [2023 - ...] B5TL













# DIAGNOSTICS AND SYSTEMS

## TRUCK

#### DAF

**SAC** compressed air treatment and generation system, control unit programming through **Jaltest Central Services** support.

**ECAS-5** suspension control system, activation of the front axle suspension in the **XF E6** model, model in which the replacement procedure of the steering angle sensor has also been added.

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🔶 🚖 🏠 > TRU	CK > DAF > XF E6							> TI	RUCK > DAF > XF E6 (F7/
🖏 Diagnostics menu	Change the pigtail connection with steering angle sensor				Show the li technical rel			8	Diagnostics menu
$\Omega_{\rm data}^{\rm System \ technical}$	Search in the guide			Q	~ ^	4		Ω	System technical data
- Diagrams	Collapse all the steps							ł	Diagrams
Vehicle service data	<ul> <li>Step 2: Disassemble the steering wheel</li> </ul>				Î			-	Vehicle service data
🄏 Vehicle data	3tep 2.1: Disassemble the component							10	Vehicle data
32 Troubleshooting by symptoms	Protective cover (Airbag)							3%	Troubleshooting by symptoms
Releases and Procedures								1	Releases and Procedures
<	Show check marks in the procedure steps.				×			<	
\$ 24.1				C	E 🗢 🏩 🗐		1	+92	24.1

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> T	RUCK > DAF > XF E6 (F7/	BH Series) [ 2017 ] $>$ ECAS-5, Electronically Controlled Air Suspension	- San	S 🗲 Discor	
8	Diagnostics menu	CTUATE COMPONENTS \ LIFT AXLE BELLOW			
Ω	System technical data	RIGHT HEIGHT SENSOR OF THE DRIVE AXLE	-58 mm	ø	~
ł	Diagrams	LEFT HEIGHT SENSOR OF THE DRIVE AXLE	64 mm	۵	×
	Vehicle service data	HEIGHT SENSOR OF THE FRONT AXLE	162 mm	۲	<b>?</b> °
10	Vehicle data	AIR PRESSURE, DRIVE AXLE RIGHT	12 bar	ø	6
3%	Troubleshooting by symptoms	AIR PRESSURE, DRIVE AXLE LEFT	12 bar	۵	
Ø,	Releases and Procedures	AIR PRESSURE, LIFT AXLE	10 bar	۵	
		PRESSURE SENSOR, LIFT BELLOW OF LIFT AXLE	7 bar	۲	
<			LOWER	RAISE	1
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#### **IVECO**

Wiring diagrams by model in S-Way, T-Way, X-Way and Stralis Euro 6.

OEM RMI technical information of the brand.

Diagnostics menu	Wiring diagrams of Computer Module	f the model with AS cab (Act	tive Space) - Central computer I	BCM (Body SI	now page index	Select another configuration
3 System technical data	5.	11ºSan	18.5	5.	He Some	1000
∮ Diagrams	8	S. NOM		•×		
Vehicle service data	C*1000 (5910)	- 10°		ALC:	10 <sup>1</sup>	e 
Vehicle data	- 300			N.S.	a Sant	Jahr
Troubleshooting by symptoms	> <b>*</b>	in a l				2
Releases and Procedures	2 N			anne o sanne o		- - -
OEM RMI	E			- 바퀴		Kar.

🗲 🚖 🏠 > TRU	CK > IVECO > S-Way	/[2019]	
Diagnostics menu	S-WAY AS - Servi	ce Manual - 52 FRONT AND REAR AXLES Show do	cument
Ω System technical data	- I	Granted by IVECO Glassified as Public	1
Diagrams			
Vehicle service data		52 FRONT AND REAR AXLES • 52.06 AXLES	Ó
👗 Vehicle data	<u> </u>	52.05.10 FRONT AXLE	
7 & Troubleshooting by	And a second sec	52.06.11 STEERING KNUCKLE POST 52.06.15 KING PIN BOLT BLARING	
Troubleshooting by symptoms	2.5.	52.06.15 KING PIN BOLI BOARING 52.06.18 AVLE BODY	1
Releases and		52.06.20 FRONT AXLE WHEEL HUBS	
Procedures	- <del>-</del>	52.06.21 BEARINGS	
OEM OEM RMI	And	52.06.25 NUT FASTENING STUD	
(MI)		52.06.31 TRACK ROD LEVER	
		52.06.32 DRAG LINK	
	107	52.06.35 TR4CK ROD	
<	191	52.06.36 TRACK ROD JOINT 52.06.50 SECOND FRONT ANLE	

#### MAN

Technical data in **TG3 Series** models with new vehicle data for **15,2 540/640** and **6,9 250** configurations, among others.



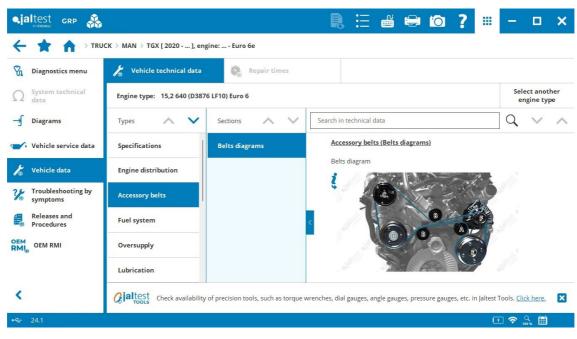












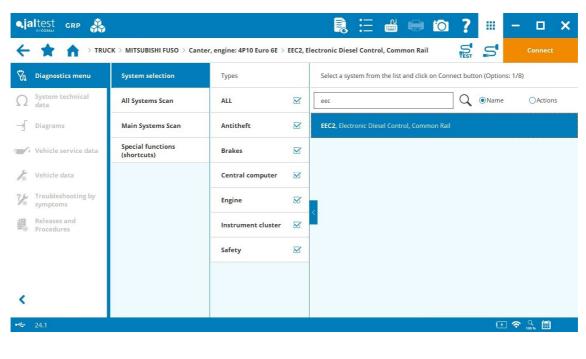
#### **MERCEDES-BENZ**

Control unit programming through **Jaltest Central Services** support in the **Actros 4** model.

Calibration process update of the MDD and MDP wing mirror cameras for those variants in **Actros 5** and **Arocs 5** models for which calibration templates are not required.

#### **MITSUBISHI FUSO**

• **EEC2** engine control system in the **Canter Euro 6E** model.















#### **SCANIA**

**EMS10** and **AMS2** engine control and exhaust gas aftertreatment systems in models of **SUPER** and **Euro 6E** ranges, advanced functions such as the cylinder cut-out, injector coding, AdBlue/DEF leak test or AdBlue/DEF dosing test, among others.

Diagnostics menu	PARAMETERS \ INJECTOR CODE \ MODI	Y PARAMETERS		
System technical data Diagrams	NEXT, YOU MUST ENTER 9 ALPHANUMER     ALL LETTERS MUST BE ENTERED IN UPPER     ENTER THE NEW INJECTOR CODE	IC CHARACTERS. RCASE: LETTERS I, O and S ARE NOT ALLOWED		
Vehicle service data	INJECTOR CODE, CYLINDER 1	ATRRC66M9	ATRRC66M9	۲
Yehicle data	INJECTOR CODE, CYLINDER 2	HLQPW3Q48	HLQPW3Q48	۲
Troubleshooting by symptoms	INJECTOR CODE, CYLINDER 3	J7L4HH984	17L4HH984	۲
Releases and Procedures	INJECTOR CODE, CYLINDER 4	RH3JE7VYK	RH3JE7VYK	۲
OEM RMI	INJECTOR CODE, CYLINDER 5	JBH8LVJU1	JBH8LVJU1	۲
	INJECTOR CODE, CYLINDER 6	9RGTW3D90	9RGTW3D90	۲
Procedures	INJECTOR CODE, CYLINDER 5	JBH8LVJU1	[BH8LVJU1	0

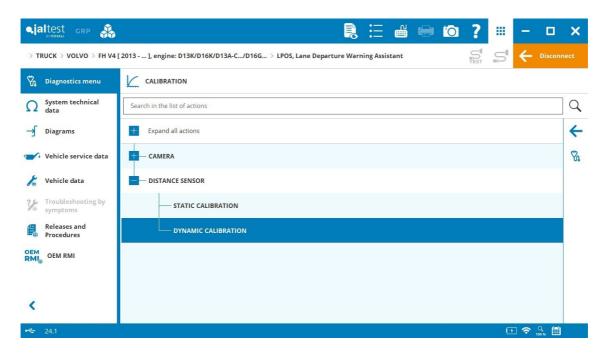
•1	altest GRP 👬	👢 🗄 🖶 🛍 🗧 📕 – 🗖	×
> 1	RUCK > SCANIA > R 500	SUPER Euro 6 ( 2022 ) > AMS2, Exhaust gas treatment system 🔤 🖆 🧲 Disco	
8	Diagnostics menu	SYSTEM CHECKS \ ADBLUE/DEF METERING \ ADBLUE/DEF DOSING UNIT ATTACHED TO THE MUFFLER	
Ω	System technical data	SELECT AN OPTION	$\checkmark$
-5	Diagrams	SMALL DOSING	×
	Vehicle service data	LARGE DOSING	?
10	Vehicle data		6
3%	Troubleshooting by symptoms		
Ø,	Releases and Procedures		
OEM	OEM RMI		
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**TMS3** transmission, gear control check, clutch adaptation after replacement, accelerometer calibration and parameter modifications such as the speed limit modification.

#### VOLVO

In vehicles with V3 and V4 technology:

ADAS LPOS lane departure warning assistant, system calibration in dynamic mode.















### BUS

#### IRIZAR

DICO electric motor management system and Inverter 1 and 2 inverter control systems in ie bus/i2e and ie tram electric vehicles.

#### MAN

DIVI and DIV 2 electric motor management systems and ePTM Common Powertrain Controller in Lion's 4 City models.

⊕ CSAI electric motor management system, DC48 voltage converter and PS48 electrical energy accumulator in 12C, 18C, 42C and 43C hybrid city buses.

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🔶 🚖 🏠 > BUS :	> MAN > 18C/19C Lion's 4 City	(18/19 m) [ 2016 ], engine: I	1556/£1856 LOH	🔶 🚖 🏫 > BUS	> MAN > 12E Lion's 4 City (12 r	n) [ 2020 ]	
🖏 Diagnostics menu	System selection	Types 🔨 🗸	Select a system from the list and click on Connect button (Options: 3/31)	S Diagnostics menu		Types 🔨 🗸	Select a system from the list and click on Connect button (Options: 2/20)
$\Omega$ System technical data	All Systems Scan	ALL 🔲	Search by system name Q  Name OActions	$\Omega$ System technical data	All Systems Scan	ALL 🔲	Search by system name OActions
Diagrams	Main Systems Scan	Compressed air processing	CSAU, Electric motor control unit	Diagrams	Main Systems Scan	Electric drive 🛛 🗹	DIV 1, Electric motor control unit
Vehicle service data	Special functions (shortcuts)	Data registration,  telematics and	DC48, Voltage converter DC/DC	Vehicle service data	Special functions (shortcuts)	Electric power generation	DIV 2, Electric motor control unit
b Vehicle data	Maintenance reset (shortcuts)	Electronic 📖	PS48, Electrical energy accumulator	Fo Vehicle data	Manual diagnosis	flectronic L	
Troubleshooting by symptoms	Manual diagnosis	Engine 🗌		2 Troubleshooting by symptoms		Heater 🔲	
Releases and Procedures		Gearbox 🔲		Releases and Procedures		Instrument  cluster	
OEM RMI		Heater 🔲	1	RM DEM RMI		Lighting 🔲	
		Hybrid systems 🛛 🗹				Multiplex 🗌	
<		Instrument cluster		<		Suspension	
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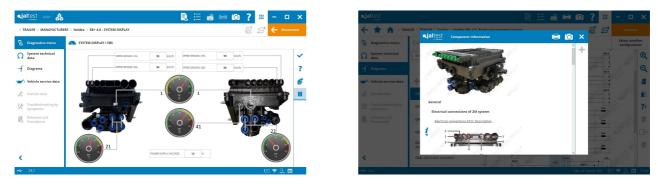
#### **MERCEDES-BENZ**

① Electric propulsion control systems in the **eCITARO** model.

## TRAILER

#### HALDEX

• Haldex EB+ 4.0 EBS brake control system that includes the parameter copying and pasting, modulator checks, brake pressure simulation, as well as wiring diagrams and technical information of the system.















#### WABCO

**EBS E** brake control system, operation data related to the fault code history and the event recorder.

TR	AILER > MANUFACTUR	RS > \	Wabco > EBS E, Brake m	anagement system				← Discon
2	Diagnostics menu	Ê	SYSTEM DATA \ ODR (	OPERATING DATA RECOR	DER) \ DATA AND EVENT F	RECORD		
2	System technical data	i	CURRENT VALUES					
- <b>f</b>	Diagrams		IDENTIFICATION CODE	FAULT CODE	FMI	ODOMETER	DATE AND TIME - OPE	BCP (BRAKE C
	Vehicle service data	01	03.09	Wheel C speed sensor.	Signal loss.	52072.7	2018-10-01 09:33	0.00
	venicle service data	02	04.05	Wheel D speed sensor.	Interrupted line (break).	52072.7	2018-10-01 09:33	0.00
	Vehicle data	03	61.06	EBS module / back-up	Current too high or sh	52072.7	2018-10-01 09:33	0.00
E.	Troubleshooting by symptoms	04	69.04	Suspension pressure s	Low voltage or short ci	52072.7	2018-10-01 09:33	0.00
9	Releases and	05	69.04	Suspension pressure s	Low voltage or short ci	52072.7	2018-10-01 09:33	0.00
-	Procedures	06	69.04	Suspension pressure s	Low voltage or short ci	52072.7	2018-10-01 09:33	0.00
		07	69.04	Suspension pressure s	Low voltage or short ci	52072.7	2018-10-01 09:33	0.00
		08	80.04	Internal brake signal p	Low voltage or short ci	52072.7	2018-10-01 09:33	0.00
		09	80.04	Internal brake signal p	Low voltage or short ci	52072.7	2018-10-01 09:33	0.00
•		10	144 17	Pneumatic air sunnly li		52072 7	2018-10-01 09-33	0.00

LIGHT COMMERCIAL VEHICLE

#### **IVECO**

**MD1** engine control system in the **Daily [2021 - ...]** model, maintenance reset of NOx sensors of the central area of the catalytic converter and after it.

**BSM** brake control system in the **Daily [2014 - ...]** model, reset of the electric parking brake system that deletes the C1055-9A and C1055-7I fault codes.

Wiring diagrams by model in **Daily [2021 - ...]**.

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> LIGHT COMMERCIAL VEHICI	E > IVECO > Daily [ 2021 ] > EDC MD1, Engine Control Module	nnect	> LIGHT COMMERCIAL VEHIC	TLE > IVECO > Daily [ 2021] > AB59/A5R9/ESP9, Anti-lock hydraulic braking system with stability control 🛛 🐺 🛒 🧲 Disconn	ect
🖏 Diagnostics menu	MAINTENANCE		Sa Diagnostics menu	MAINTENANCE \ ELECTRIC PARKING BRAKE \ SYSTEM RESET	
Ω System technical data	Search in the list of actions	Q	Ω System technical data	+ Add customised help	~
→ Diagrams	Collapse all actions	<del>&lt;</del>	-f Diagrams		×
Vehicle service data	- NITROGEN OXIDES NOX SENSORS	8	Vehicle service data	This process is necessary to make the fault code clearance related to the component. The fault codes that may appear are the following: - (1055-9A - (1055-71	
🄏 Vehicle data	BEFORE THE CATALYTIC CONVERTER		🄏 Vehicle data	(103-71	
Troubleshooting by symptoms			% Troubleshooting by symptoms		
Releases and Procedures	AFTER THE CATALYTIC CONVERTER		Releases and Procedures		
RMI OEM RMI	LAMBDA/02 SENSOR		RM OEM RMI		
	EGR VALVE				
<	FLOWMETER		<		
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#### NISSAN

⊕ A/C 4.0 air conditioning control system, MFC 4.0 multifunction camera and PDC parking help system in NP300 models.













#### **PSA GROUP**

• Service 7.0 maintenance system in Expert/Jumpy [K0] and Berlingo/Partner [K9] models.

## MANUFACTURER

#### **CUMMINS**

Update of the Cummins control unit revision through **Jaltest Central Services** support.

Extended coverage in all **CUMMINS** systems, especially for Euro 6 systems with more than 300 new references and variants available.

Propulsion system of **electric vehicles**, **BES EV CM2450** electric actuation control unit, parameters of client and vehicle information.

**B4.5/B6.7 CM2350** engine control system, system checks to verify the intake air control and the NOx sensor performance after the catalytic converter.

Technical data and procedures of the vehicle, such as the valve clearance adjustment, the adjustments of the fuel pump and the oil filter or the injector replacement for **B4.5/5.6/5.9/6.3/6.7 B181 CM2670** engines.

	Diagnostics menu	PARAMETERS \ ECU INFORMAT	TION \ VEHICLE INFORMATION			
	System technical data Diagrams Vehicle service data		LPHANUMERIC DIGITS, EXCEPT FOR THE FOLL T ALLOWED IN ANY PARAMETER OF THE GROU ED			
	Vehicle data	VIN CODE (VEHICLE IDENTIFICATION NUMBER)	3HSDMAPR0HN748757		ø	?
	Troubleshooting by symptoms	VEHICLE MANUFACTURER	PROTERRA		ø	?
	Releases and Procedures	VEHICLE MODEL	205		٢	?
		MANUFACTURING YEAR	2023		۲	?
<						
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