

INNOVATIONS 19.3



SOFTWARE INNOVATIONS

Manual selection of connection pins

This *Expert mode* function allows the user to configure the connection to a system by manually selecting the communication pins on the OBD or Deutsch 9-pin cable. In this way, this function offers the user an alternative to the connection offered by the software in the most common communication protocols.

Only available for V8 and higher devices.

	ETM PASS	e 🖻 ? – 🗆 💌		P 😹 ETM PASS	6 = = 6 ?	
🕈 🛧 🏦 🕚	\ \ Stralis XP / Hi-Way / Hi \ EDC 17 CV41 + Denox 2.2, Electr	onic 👆 🚴 Connect 🌒	* * * ·	\ \ Stralis XP / Hi-Way / Hi \ EDC 17 CV41 +	Denox 2.2, Electronic 👆 🔎	Connect
Diagnostics menu	Select the appropriate connection in order to connect to the system	Available connections: 1	Diagnostics menu	Select the appropriate connection in order to con	nect to the system	
Ω System technical data Diagrams	SELECTED CONNECT	ION Use Multipins	Ω System technical data Diagrams	This selection allows an alternative connectic cable according to the diagnosis protocol of allows you the connection in the system, taki pins with power supply voltages as if they we wiring or the vehicle.	the system. Consider making the cable com ng into account the appropriate safety cond	bination that
Vehicle service data			Vehicle service data	PROTOCOL: ISO 11898 (CAN) OBD 5,14	DEUTSCH 9 PIN C,D	۲
Releases and Procedures	Location +	JDC 213M3 +	Troubleshooting by symptoms	3,11 1,9	H,J	0
Repair times	Location Detail / Pin-out Instructions	Manual pin selection	Repair times	3,8 12,13	F,G	0
				13,12		0.

Countdown timer



During the execution of some functionalities, it is necessary to wait a certain period of time until performing any operation. From this version, in this type of steps, Jaltest offers a countdown timer with the set time.

Improvement in the interaction with buttons in action steps

Diagnostics menu	ACTUATE COMPONENTS \ GAS CONTROL VALVE	
O System technical	COMMAND VALUE	30 %
data	ENGINE, STATE .	ENGINE STOPPED
Diagrams	GAS CONTROL VALVE, STATE	NOT SET
Vehicle service data	GAS CONTROL VALVE, NOMINAL POSITION	17 %
Vehicle technical	GAS PRESSURE	7 mbar
Troubleshooting by symptoms		
Releases and Procedures		
Repair times		

Safety considerations in hybrid and electric vehicles (HEV)



These instructions appear when selecting a hybrid model, a high voltage element control system and when selecting high voltage components in the wiring diagram configurations. These are very important safety considerations when working in hybrid and electric vehicles.

NEW DIAGNOSIS AND SYSTEM FUNCTIONALITIES

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

TRUCK AND BUS

DAF

For Euro 6 models, in PCI UDS engine management system, there are new functions such as the performance assessment of the turbo actuator.

In the EAS4 Ecofit UL2 exhaust gas treatment system, the diesel particulate filter regeneration and AdBlue/DEF dosing are highlighted.



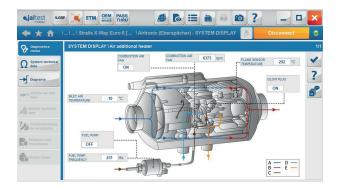
Operation diagrams in the ECS-DC6, EAS3 and EAS4 exhaust gas treatment systems from the brand.

IVECO

For Euro 6 models, in the EDC 17 CV41 engine management system, the component replacement for new system variants is highlighted.

Extension of the CNG Metafuel 4 engine management system, development of functions such as the throttle actuator calibration and self-regulation parameter reset.

• New E-Horizon Integrated Predictive Powertrain system.



System Display of Eberspächer auxiliary heater system.

MAN

• New A37 (NL243/283) hybrid bus model with coverage to propulsion and energy management systems (inverters, accumulators, current converters, etc.).

Check development in the new Tipmatic TraXon transmission, as well as in Tipmatic GTR-SGC Scania 12+2 transmission. The latter also has gearbox calibrations with a technical release to manually check the clutch wearing.

Technical release about the rinse of the AdBlue/DEF power supply module in the NoNox exhaust gases treatment system.

• New Voith Vera retarder system in several models from the brand.

MERCEDES-BENZ

Coverage of systems with MB4 technology in the Tourismo Euro 6 bus model, which also includes the interactive technical release of the vehicle electronic architecture.

System Display in the CNG NGT 21T natural gas engine management system.

MERCEDES-BENZ

- New CGW 04T variant of Gateway system of Euro 6 vehicles.
- New ADAS RDF 02T distance sensor system that includes calibration.



• New Bluetec SCR-LO exhaust gas treatment system (South American market).

RENAULT

•jaltest ←★☆	BP1210 THRU	1 VMC	U, Vehicle Electronic Control Unit		Disconnect	
Diagnostics menu	Search in the list of actions	Q			1. S. C. S. S. C.	
System technical	DIAGNOSIS					
2 data	ERROR CLEARANCE	_				
Diagrams	SYSTEM DATA	•				
Vehicle service data	PARAMETERS	►	DISPLAY PARAMETERS			
Vehicle technical	MAINTENANCE	•	RUNNING LIGHT	•		
	CALIBRATION	•	SHUTDOWN OF THE ENGINE AT IDLE	•		
by symptoms			POWER TAKE-OFF	•	ENGINE START INHIBITION WITH ACTIVE POWER TAKE-OFF	н
Releases and Procedures					SPEED LIMIT	
Repair times					CLUTCH PRESSURE CONDITION WHI THE POWER TAKE-OFF IS ACTIVATED	
					ACTIVATION OF THE POWER TAKE-OFF FROM THE CABIN	

In vehicles with V4 technology, the modification of shutdown of the engine at idle parameters and power take-off control parameters in the VMCU vehicle electronic control unit is highlighted.

Wiring diagram and System Display in the CCM V4 climate control system have been included.

SCANIA

Coverage extension in EMD1 engine management system of the new Scania Euro 6 models.

 \cdot Checks: cylinder balance, cylinder cut-out, compression test, and engine performance test.

- · Diesel particulate filter regeneration.
- · Ash and cinder content reset in the diesel particulate filter.
- · Differential pressure sensor reset.

	L 1. 4 450 Euro 6 [2017] \ EMS EMD1, Extra-high Pressure Injection,	:
Chapters Chapt	MAINTENANCE LASH AND GINDER CONTENT RESET IN THE PARTICULATE FILTER THIS ACTION SHALL ONLY BE PERFORMED AFTER REPLACING THE PARTICULATE FILTER INITIAL CONDITIONS -KINITION ON - THE ENGINE MUST BE STOPPED	✓✓✓✓

System Display of VIS and VIS2 lighting system.



	P CETM OEM PASS	3		10 ?	_ D	×
* * *	111FE V3 [2013], engine: D	8K \ EMS, Engine Co	ontrol Module		Disconnect	۲
Diagrams Diagrams Diagrams Vehicle service data Vehicle service data Service Service	MAINTENANCE'S CR SYSTEM. DE Original de Add customaed help Add customaed help TTENTON This action must only be carried out following error codes is present. P20	ELETION OF THE IND	UCEMENT MODE			✓ ×
Releases and Procedures						

Modification of the AFI aftertreatment fuel injector adaptive factor in the EMS engine management system, both in models with V3 technology and V4 technology. This version, in models with V3 technology, this system also has the deletion of the inducement mode that deletes P207F and P103C errors.

In vehicles with V3 technology, troubleshooting guides have been added to error codes from transmission system.

OTHER BRANDS AND MANUFACTURERS

ISUZU

• New Mimamori 17 system that includes advanced functions such as the vehicle configuration and operation data reset.

• New **ADAS** system, emergency braking control and AEBS/LDWS land departure control with actions such as copy/paste parameters and multifunction camera maintenance are available.

KNORR-BREMSE



• New ADAS systems, FLR21 radar and FLC20 camera. Both systems, which are installed in numerous vehicles such as OTOKAR buses, FORD Cargo trucks, etc., include system calibrations.

MITSUBISHI-FUSO

• Fuso Canter ECO Hybrid model with wiring diagrams.

NICHE MARKETS

• New Actia Multiplex CMU/CAMU + IOU system installed in Alexander Dennis buses.

In addition, new brands and models are included, and coverage of specific vehicles in India, Australia and other countries is expanded.

New brands such as SML Isuzu in truck, Eicher and Bharatbenz in buses are highlighted.

Regarding models, Mahindra Blazo or Big Thumb with GE13 engine of UD Trucks among others are highlighted.

⊨ ★ ☆	\\ALEXANDER DEN	NIS \ ENVIRO 200 Euro 6 \ CMU/C#	MU+IOU, Multiplexer 🛃 Connect 🤇	• * * *	ΩVIN \BUS		
Diagnostics	Systems	Select a system from the list and	d click on Connect button 8	/8 Diagnostics	Select a brand from the list (2/59)		OBD SAE STANDARD GENER
System technical data	System Scan	✓ ALL	Search in systems list Search by actions	System technical data	Search on the bra		
	Special functions (shortcuts)	✓ Brakes	Allison 1000/2000 (5th Gen), Gearbox	L2 data	A X		
	Maintenance reset (shortcuts)	✓ Engine	Allison 3000/4000 (5th Gen), Gearbox management system	Disgrams	AGRALE		
		Gearbox	CMU/CAMU+IOU, Multiplexer	Vehicle service	ALEXANDER DENNIS		
		Multiplex	DIWA 6, Automatic gearbox	Se Vehicle technical	ASHOK LEYLAND	BHARATBENZ	EICHER
		✓ Suspension	EBS 5, Electronic Braking System	I D data	AUTOSAN		
Troubleshooting by symptoms			EDC Cummins, System identification	Troubleshooting by symptoms	BCI		
			ELC 5 Knorr-Bremse, Electronically Controlled Air Suspension	Releases and Procedures	BHARATBENZ		
			EcoLife, Automatic gearbox	Repair times	BLK		
Proprint times				Co repair times	BLUE BIRD		

TRAILER

WABCO



ABSVCSII braking system, partial distance travelled reset.

BENDIX

• New TABS-6 ADV MC system.

LIGHT VEHICLES

FIAT

In Fiat Ducato models with F1CE3481M engine, diesel particulate filter regeneration in the EDC 17 CP52 system.

FORD

• New system in Ford Transit FT 2.0 [2016 - ...] model, TPMS tire pressure control.

+ * ±	111 Transit FT 410 2.2 TDCi1	SCR	Denoxtronic 3.1, Exhaust gas treatme
Diagnostics menu	Search in the list of actions	۵	
System technical	DIAGNOSIS		
2 data	ERROR CLEARANCE		
Diagrams	SYSTEM DATA	•	
Vebicle service data	MEASUREMENTS	•	
Vehicle technical	SYSTEM CHECKS	•	
	MAINTENANCE	►	SCR (SELECTIVE CATALYTIC REDUCTION) REPLACEMENT
Troubleshooting by symptoms	DATA RECORDER	•	ADBLUE/DEF SYSTEM PURGE
Releases and Procedures			ADBLUE/DEF TANK REFILL
Repair times			

• New system in Ford Transit FT 2.2 [2014-2019] model, SCR Denoxtronic 3.1 exhaust gas treatment system that includes the system reset.

MERCEDES

New Sprinter WDB907 model.

PSA Groupe

Diesel particulate filter regeneration in CR/EDC Delphi 6.2 engine management system.

RENAULT

Function extension in the M9T Euro 5 SID 309 engine management system such as components activation (cooling pump, EGR system, etc.) and components reset (fuel pump, diesel particulate filter regeneration, etc.).

VOLKSWAGEN

• New system in Crafter and T6 models, 6AT automatic transmission.