

INNOVATIONS 19.2



SOFTWARE INNOVATIONS

Update of the errors memorised during the System Scan process

Software improvement based on the update of the System Scan results. If the status of the error memory of a system changes after accessing and repeating the reading process or clearing the errors, the System Scan results are updated. This way, for example, the report can be repeated with a more precise information about the vehicle status.

Diagnostics	Systems	System sca	an complete	s.		D	etected	i syste	ems
System technical	All Systems Scan	+ Expand	all errors						
data	Main Systems Scan	8	4704	x1	The current consumption on the control unit output has been t	i		^	
Diagrams	Special functions (shortcuts)	- BM	IS EBS, Bra	ke mar	nagement system	ECU	•	K2	
Vehicle service data	Maintenance reset (shortcuts)	8	1056871	x1	Wear pad sensor signal for the wheel 3. Value too high.	i			L
Vehicle technical			1069877	x1	Wheel speed sensor. Wheel 4. Calibration error.	i			Ľ
		► = cc	O, Coordina	ator		ECU	•	×2	1
by symptoms		8	671	x1	All communication on the red CAN bus has been interrupted.	i			
Releases and Procedures		8	735	x1	Gear selector.	i			U
- Repair times		— во	I. Bodywork	mana	gement system	ECU	A :	×2	

Export of tables to Excel files

Export the data shown on table-type diagnosis action steps to Excel files (*xlsx).

	P 🥞 ETM PASS		📾 ? 🗕 🗆		⊿ A	В	C	D	E
* 🕯 🕚	TRAILER TRAILER Trailer Wabco EBS	E, Brake management system	Disconnect	•		ER\ TRAILER\ Trailer\ Wabco EBS E, Brake manageme M DATA \ ODR (OPERATING DATA RECORDER) \ HISTO(
Diagnostics	SYSTEM DATA \ ODR (OPERATING DATA F	ECORDER) \ HISTOGRAMS			5 NUMB	ER OF BRAKINGS - BRAKE TIME/ PD (CONTROL PRES	SURE)		
	NUMBER OF BRAKINGS - BRAKE TIME/ PI	(CONTROL PRESSURE)		-	7		NUMBER OF BRAKINGS	BRAKE TIME (s)	
System technical Jata		NUMBER OF BRAKINGS	BRAKE TIME (s)		, 	CONTROL PRESSURE): 0.0 - 1.0 bar	1378	5160	1
iagrams	PD (CONTROL PRESSURE): 0.0 - 1.0 bar	1378	5160	*	° .	CONTROL PRESSURE): 1.0 - 1.2 bar	730	4710	
	PD (CONTROL PRESSURE): 1.0 - 1.2 bar	730	4710	-	9 1				4
chicle service	PD (CONTROL PRESSURE): 1.2 - 1.4 bar	1682	13320	?	10 PD (0	CONTROL PRESSURE): 1.2 - 1.4 bar	1682	13320	
	PD (CONTROL PRESSURE): 1.4 - 1.7 bar	19973	185960		11 PD (0	CONTROL PRESSURE): 1.4 - 1.7 bar	19973	185960	
nicle technical a	PD (CONTROL PRESSURE): 1.7 - 2.0 bar	7331	75060		12 PD (0	ONTROL PRESSURE): 1.7 - 2.0 bar	7331	75060	
ubleshooting	PD (CONTROL PRESSURE): 2.0 - 2.5 bar	8649	95360	(Xar	DD ((CONTROL PRESSURE): 2.0 - 2.5 bar	8649	95360	
oubleshooting symptoms	PD (CONTROL PRESSURE): 2.5 - 4.5 bar	4651	44160	1	3		4651		-
leases and	PD (CONTROL PRESSURE): > 4.5 bar	98	380	1	-	CONTROL PRESSURE): 2.5 - 4.5 bar		44160	-
cedures				1		CONTROL PRESSURE): > 4.5 bar	98	380	
spair times				1	16				
_				1	18				

New search filter for Freeze Frame Data (FFD)

ERROR OCCURRENCE 127 SERVICE HOURS - FIRST OCCURRENCE -14316561 h TIME ELAPSED SINCE IGNITION - FIRST 13107 min NUMBER OF START-UPS. FIRST OCCURRENCE 52428 INTERNAL ERROR CODE - FIRST 204			lectronic Diesel Control	
In Industry Freeze Frame Data 22 Fault Code Troubleshooting Freeze Frame Data 22 Fault Code Troubleshooting Freeze Frame Data 23 Fault Code Troubleshooting Freeze Frame Data 24 Freeze Frame Data 25 Freeze Frame Data	nostics	DIAGNOSIS		
Image: Process Frame Data Image: Process Frame Data Process Frame Data Image: Proce	em technical	😵 P0095 FMI:30 Intake Air Temperature Sen	sor 2 Circuit Range/Performance. Signal interruption.	
Search in the following list ERROR OCCURRENCE ERROR OCCURRENCE 127 SERVICE HOURS - FIRST OCCURRENCE HUMBER OF STATUPD, FIRST OCCURRENCE S2428 NUMBER OF STATUPD, FIRST OCCURRENCE S2428 OCCURRENCE OCCURRENCE S2428		🧃 Freeze Frame Data 🥍 Fault C	ode Troubleshooting	
ERROR OCCURRENCE 127 SERVICE HOURS - FIRST OCCURRENCE -14316951 h TME ELAPSED SINCE IGNITION - FIRST 13107 min OCCURRENCE NUMBER OF START-UPS, FIRST OCCURRENCE 52428 NUMBER OF START-UPS, FIRST OCCURRENCE 52428 NOTION	rams	Search in the following list		Q
INTER ELAPSED SINCE IGNITION - FIRST 13107 min OCCURRENCE 52428 NUMBER OF START-UPS. FIRST OCCURRENCE 52428 INTERNAL ERROR CODE - FIRST 204		ERROR OCCURRENCE	127	^
OCCURRENCE 13/07 min NUMBER OF STARTUPS.FIRST OCCURRENCE 52428 INTERNLERROR CODE - FIRST OCCURRENCE 204		SERVICE HOURS - FIRST OCCURRENCE	-14316561 h	
NUMBER OF START-UP-S. FIRST OCCURRENCE 52428 INTERNAL ERROR CODE - FIRST OCCURRENCE 204			13107 min	
OCCURRENCE 204		NUMBER OF START-UPS. FIRST OCCURRENCE	52428	
r times ENGINE RPM - FIRST OCCURRENCE 13107 rpm			204	
		ENGINE RPM - FIRST OCCURRENCE	13107 rpm	

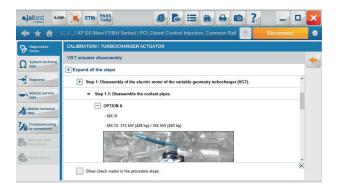
lagnostics tenu	DIAGNOSIS		
ystem technical	S P0095 FMI:30 Intake Air Temperature S	Sensor 2 Circuit Range/Performance. Signal interrup	tion.
ata	👔 Freeze Frame Data 🤹 🥻 Fau	It Code Troubleshooting	
iagrams	тіме;		Q
	TIME ELAPSED SINCE IGNITION - FIRST OCCURRENCE	13107 min	
	SHUT-OFF TIME - FIRST OCCURRENCE	52 s	
	TIME ELAPSED SINCE IGNITION - LAST OCCURRENCE	16383 min	
	SHUT-OFF TIME - LAST OCCURRENCE	65 s	

NEW DIAGNOSIS AND SYSTEM FUNCTIONALITIES

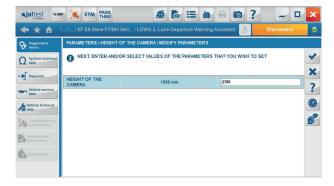
Take into account that this document is only a summary of the most important information of this new version. For more information, please visit Jaltest Report.

TRUCK AND BUS

DAF



For Euro6 models, in the PCIUDS engine management system, there are new functions such as the injector coding, the compression test or the calibration of the VGT (Variable Geometry Turbine). In the EAS4 (Exhaust Aftertreatment System), it is important to highlight the reset of the DPF (Diesel Particulate Filter), which is mandatory after replacing the component.



ADAS systems, LDWS-3 (Lane Departure Warning System), parameter setting of the camera height.

IVECO

Replacement of the air dryer filter for Euro 6 models, in the VCM-STEP2 (Vehicle Control Module).

• New TPMS (Tyre Pressure Monitoring System).

Diagnostics menu	CALIBRATION \ NEW CLUTCH		
O System technical data ▶ Diagrams	C PROCESSING		
Vehicle service	BASIC ADJUSTMENT AND ADAPTATION OF THE ENGINE TORQUE	PROCESSING	
Vehicle technical	CLUTCH ENGAGEMENT POINT	SUCCESSFULLY COMPLETED	-
	CHARACTERISTIC CURVE	PROCESSING	
Troubleshooting by symptoms	CLUTCH STROKE (NEW CLUTCH)	NOT COMPLETED	4
Releases and Procedures	CLUTCH, INITIAL POSITION	NOT COMPLETED	4

TraXon transmission system, calibration of the clutch when replacing it by a new or used one.

In addition, regarding the technical information of the vehicle, the procedure "*Distribution phasing*" has been added this version for Cursor 13 CNG (F3H) engines. The specific system functions keep also being associated to the maintenance data in all Euro 6 models of the main brands.

MAN

EDC 17 (Electronic Diesel Control), new resets after the component replacement and reset of the counters, highlighting the deletion of the code 4685 "too frequent regenerations of the DPF (Diesel Particulate Filter)".



ADAS systems, in the lane detection warning system, calibration of the MFC (MultiFunction Camera) and frontal radar sensor (anti-collision system), radar calibration.

MERCEDES-BENZ

• New TPM 02T (Tyre Pressure Monitoring) system.



System Display in Voith retarder.

RENAULT

In vehicles with V4 technology, it is important to highlight the engine oil change maintenance operations (predictive or standard) in the VMCU (Vehicle Master Control Unit), and the calibration of the front camera of the ADAS LPOS system (Lane Position Object Sensor).

* 🖻	\ \ RENAULT \ T Series V4 Euro	6 [2013] \ VMCU Service	, Maintenance 😕 Disc	onnect	+ * ±	1 1 T Series V4 Euro 6 [20 1 LPOS, Lane Departure Warning Assi 👆 👂 Disconnect
agnostics ienu	MAINTENANCE \ ENGINE OIL \ C	ONFIGURE NEXT MAINTENAN			Diagnostics menu	CALIBRATION \ CAMERA
tem technical	ENTER THE NEW VALUE F	OR THE NEXT CONFIGURED	SERVICE	×	Ω System technical data	PERFORM AN ON-ROAD TEST MAKING SURE THE FOLLOWING CONDITIONS ARE MET: - AT LEAST TWO PEOPLE ARE NECESSARY TO PERFORM THE PROCESS - DRIVE THE VEHICLE IN A STRAIGHT LINE AT A CONSTANT SPEED EXCEEDING 55 KMH UNTIL THE
grams	NEXT MAINTENANCE SERVICE	0 km	0	70	Diagrams	YELLOW WARNING LAMP ON THE INSTRUMENTATION TURNS OFF - THE LANE MARKERS MUST BE PRESENT AND WELL-DEFINED ON BOTH SIDES OF THE VEHICLE
le service	PRE-WARNING "CONFIGURED SERVICE EXPIRED"	0 km	0		Vehicle service data	IT WILL TAKE APPROXIMATELY 18 - 30 MINUTES
	NEXT MAINTENANCE SERVICE	0 h	0		data	
leshooting nptoms es and lures	PRE-WARNING "CONFIGURED SERVICE EXPIRED"	335 h	335		Troubleshooting by symptoms	
ures	NEXT MAINTENANCE SERVICE	365 days	365		-	
times	PRE-WARNING "CONFIGURED SERVICE EXPIRED"	0 days	0		Repair times	

In addition, regarding the technical information of the vehicle, this version we have also added the procedure *"Valve adjustment with Optibrake engine brake"* in DTI 11 engines.

In vehicles with DXi technology, new activations in the Optidriver transmission system have been added.

SCANIA



Euro 6 Models, operation data in the EMD1 engine management system. In addition, we have added the operation diagram for 8-cylinder engines and the procedure to replace the DPF (Diesel Particulate Filter), which can be found in the vehicle technical data module.

	P CETM PASS	■ ■ @ ? (_ 🗖 💌
* * *		ssistance camera 🛛 😕 📃 Disc	onnect
Diagnostics menu	CALIBRATION \ CAMERA		
Ω System technical data	THE PROCESS HAS FINISHED		×
Diagrams	CALIBRATION PROCESS, STATE	NOT SET	× 2
Vehicle service data	HEIGHT OF THE CAMERA	15 m	· · · · · · · · · · · · · · · · · · ·
Vehicle technical data			6
Troubleshooting by symptoms			
Releases and Procedures			
Repair times			

ADAS systems, FLC (Forward Looking Camera), calibration of the front camera.

VOLVO

+ * ±	111FH 16 V2 [2002 - 2005]	\ TECU,	Transmission Electronic Cont	Disconnect	Ι,
Diagnostics menu	Search in the list of actions	P			
System technical	DIAGNOSIS				
2 data	CLEAR ERRORS				
Diegrams	SYSTEM DATA	•			
Vehicle service data	MEASUREMENTS	•			
Vehicle technical	ACTUATE COMPONENTS		GEARBOX INSTALLED IN THE		
C. Troubleshooting	SYSTEM CHECKS	•	GEARBOX NOT INSTALLED IN THE	PWM VALVES (PULSE WIDTH MODULATION)	
by symptoms	CALIBRATION	•		GEAR MANAGEMENT	
Releases and Procedures	DATA RECORDER	•		COUNTERSHAFT BRAKE SOLEI VALVE	10
Repair times					

In vehicles with V2 technology, I-Shift V2 transmission, calibration of gearboxes not installed in the vehicle, and new activations in the system.

In vehicles with V3 technology, control parameters for the engine protection.

In vehicles with V4 technology, calibration of the front camera of the ADAS LPOS system (Lane Position Object Sensor). In this version, we have also added maintenance services for the FH V4 and FM V4 models.

OTHER BRANDS AND MANUFACTURERS

FORD

• New instrumentation system in Cargo models.

HINO

Troubleshooting guides by symptoms, wiring diagrams, etc. in engines from the brand in which the operation data and trip data reset have also been developed.

ISUZU



• New ADAS VAT system (View Assist Technology), which includes camera and radar calibration, as well as the configuration of the system parameters.

Modification of the VIN chassis number in 4JJ1-TC & 4HK1-TC engines.

MITSUBISHI-FUSO

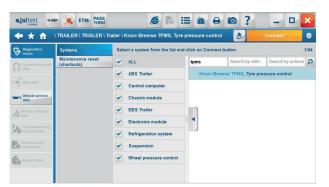
• Systems of the new Fuso Canter ECO Hybrid model, BCU (Battery Control Unit) and EMCM (Electric Motor Control Module).

ACM (Aftertreatment Control Module), new maintenances and check of the AdBlue/ DEF quality.

TRAILER

KNORR-BREMSE

Trailer TEBS Gen 2, new variants of the G2.2 Standard, Standard Plus and Premium system.



• New TPMS (Tyre Pressure Monitoring System).

WABCO

Trailer EBS E via CAN and ELEX system, new E5.5 variant.

LIGHT VEHICLES

FIAT

In Fiat Ducato models, reset of the PDF in the EDC 17 CP52 system (also in PEUGEOT and CITROËN).

Maintenance 2.0, reset of the engine oil life.

FORD

🕈 🛧 🔶 🕚	\ \ Transit FT 350 2.2 TD0	Ci \ EDC SID 209, Diesel	Control Injection, Co	- &	Disconne	ct
Diagnostics menu	MAINTENANCE \ PARTICULA	ATE FILTER REGENERATIO	N			
	1000 °C / 20 V 1		-3.000 rpm	ENC	SINE SPEED	
O System technical	950 °C / 19 V		2.800 rpm		1435 rpm	
Z Uata	900 °C / 18 V			CO	OLANT LIQUID TEMP	
NT	850 °C / 17 V		-2.600 rpm		184 °C	
Diagrams	800 °C / 16 V		2,400 rpm	EX0	HAUST GAS TEMPER	
	750 °C / 15 V 700 °C / 14 V			- M	11 V	
Vehicle service	700 °C / 14 V 650 °C / 13 V		-2.200 rpm	EX0	HAUST GAS TEMPER	44
	600 °C / 12 V		2.000 rpm	× 1	721 °C	
Wehicle technical	550 °C / 11 V			EX	AUST GAS TEMPER	
/ data	500 °C / 10 V		-1.800 rpm	~	20 °C	
	450 °C / 9 V		1.600 rpm			
Troubleshooting	400 °C / 8 V					
- Day y y y y y y y	350 °C / 7 V		1.400 rpm			
B. Releases and	300 °C / 6 V		1,200 rpm			PP
Procedures	250 °C / 5 V					
	200 °C / 4 V		1.000 rpm			
Repair times	150 °C / 3 V		800 rpm			
Ko manua	100 °C / 2 V		800 rpm			
	50 °C / 1 V 0 °C / 0 V		-600 rpm			

• New Ford Transit systems, ESP9.0 brake control system and SID 209 engine management system, which includes the regeneration and reset of the DPF (Diesel Particulate Filter).

MERCEDES

Purge of the ESP 9 brake system in Vito and Metris models.



Reset of the brake function frequency counter in the ADAS CPA system (Collision Prevention Assist).

OPEL

Reset of the adaptation values in the EDC 17C11 system (Engine Diesel Control) in Opel Movano models.

RENAULT

• New SID 309 engine management system.

VOLKSWAGEN

Maintenance 4.1, reset of the oil replacement (fixed intervals and flexible maintenance) in Crafter models.

Reset of the TPMS lamp (Tyre Pressure Monitoring System) in the ESP MK100 UDS system.