

AECS
AUTOMOTIVE WORKSHOP EQUIPMENT

● **jaltest**
**COMMERCIAL
VEHICLE**

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AUTOMOTIVE EQUIPMENT | TRAINING | TECH SUPPORT



TRUCK | TRAILER | BUS | COACH

JALTEST COMMERCIAL VEHICLE

Jaltest is the most powerful diagnostic tool in the industry. Developed to perform advanced commercial vehicle diagnostics and maintenance tasks. Comprehensive vehicle coverage, advanced functions and real-time interactive diagrams, making it simple to use and easy for diagnosis, service and repair.



FEATURES:

- Auto detection of system and error codes.
- Vehicle trouble shooting by symptoms guide.
- Interactive wiring diagrams with integrated technical information and sensor data.
- Mechanical data and component location information.
- Module reprogramming.
- OEM technical service bulletins.

SPECIAL FUNCTIONS:

- Forced DPF regeneration.
- Adblue metering and leak tests.
- Clutch and transmission calibration.
- Injector re-coding.
- Truck/trailer braking system (EBS) file configuration through to repair validation test.
- Forward looking/lane departure camera calibrations.

Jaltest Commercial Vehicle modules included:



TRUCK



TRAILER



BUS



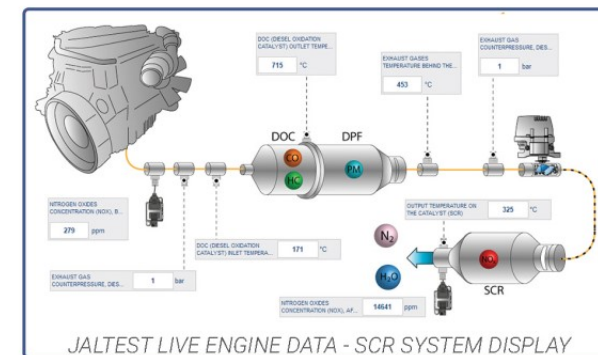
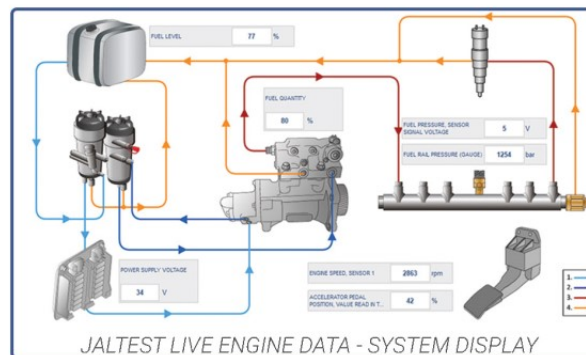
LIGHT COMMERCIAL



JALTEST GIVES YOU MORE:

● jaltest RP1210

RP1210 Links with the VCI (Vehicle Communication Interface) making Jaltest compatible with RP1210 OEM software i.e. Cummins - Insight, Kenworth - DAVIE-4, Volvo - Tech Tool, Detroit - Diagnostic Link, and more.



JALTEST - COMMERCIAL VEHICLES

Jaltest contains detailed diagnostic information. This is the perfect tool for workshops and fleets that perform repair and maintenance.

Diagnostic Codes.

Trouble shooting by symptom guides.

Diagnosis linked directly to sensor information.

DIAGNOSIS
ERROR(S) STORED IN MEMORY: 3

- P10FE x1 Particle filter: High soot level. Bank 1.
- P111E x1 Engine Coolant Temperature. Value too high.
- P1137 x1 Engine Oil Control System. Thermostat.

PRESENT ERROR NON-PRESENT ERROR OTHERS
VERY HIGH PRIORITY HIGH PRIORITY

MANUAL DIAGNOSIS CODE 3779 (ERROR CODE: 3779). Injection rail pressure: Loss by volume compensation.

Help and components of the error Fault Code Troubleshooting

Add customized troubleshooting

- Step 1: Check whether the following errors are registered in the memory of the control unit. If so, clear them first.
- Step 1.1 (ETC 94): DTC 94: Pressure fuel line. Low pressure circuit.
- Step 2: Check the performance of the injectors.
- Step 3: Check the fuel return on the injectors.
- Step 4: Check the fuel regulation solenoid valve.
- Step 5: Check the pressure sensor on the injection rail.

Show check marks in the procedure steps.

DIAGNOSIS
P111E x1 Engine Coolant Temperature. Value too high.

Freeze Frame Data Help and components of the error Fault Code Troubleshooting

COMPONENTS RELATED TO THE ERROR

Name	Wiring diagram
CB21, Coolant temperature sensor	See information about the component

Interactive wiring diagrams linked to live component data.

Service schedules.

Technical bulletins.

Engine type: 420 (D13K) [2013 -]

SELECT ALL SERVICES

- Basic service
- Annual service
- Interval: Annual inspection
- Additional points
- Chassis / Cabin
- Chassis / Lower chassis
- Driving test
- Engine compartment

Check the oil level in the hydraulic pump of the dumper system and the embedded in the cabin

Check the pipes and the brakes hose

Check the cardan shaft joints/cross head/displacement joints and support bearings

Check the shock absorbers

Check the wear and damages in discs, lining, drums and brake sleeves

Check the engine oil level

Check/adjust lights

Check state and operation of the horn, lights, switches, windshield cleaner and the rest of the electrical services

Check the water level in the windshield washer and headlights washer system

Drain the water from the fuel filter and clean the cartridge.

Check states, sealing and steering mechanism operation

Check the clutch fluid level

Check the cooling system and the coolant level and indicate the freezing point

TECHNICAL RELEASE
Purge method of the fuel system.

This method allows removing the air completely from the fuel system.

Procedure

- 1.- Connect the transparent plastic pipe to the purge nozzle on the fuel filter.
- 2.- Open the purge nozzle and make the engine spin with the starter

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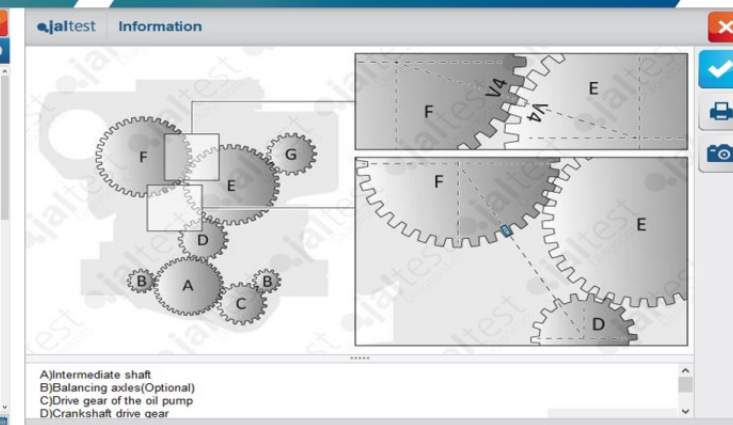
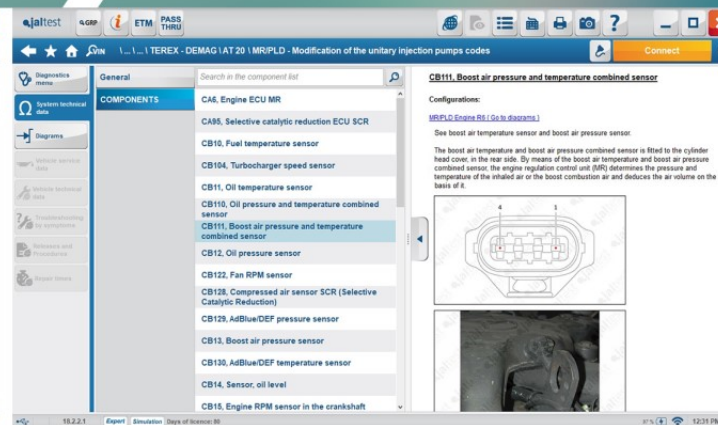
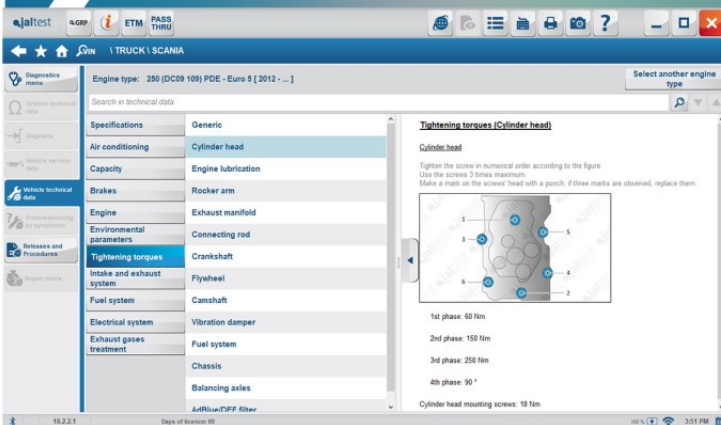
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Repair data.

Electrical system data.

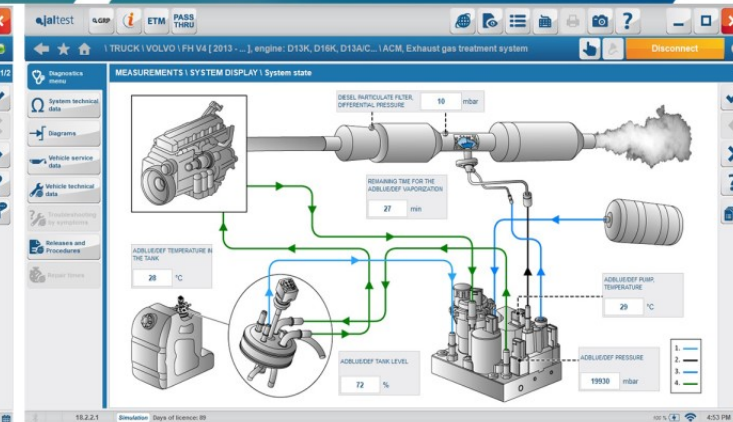
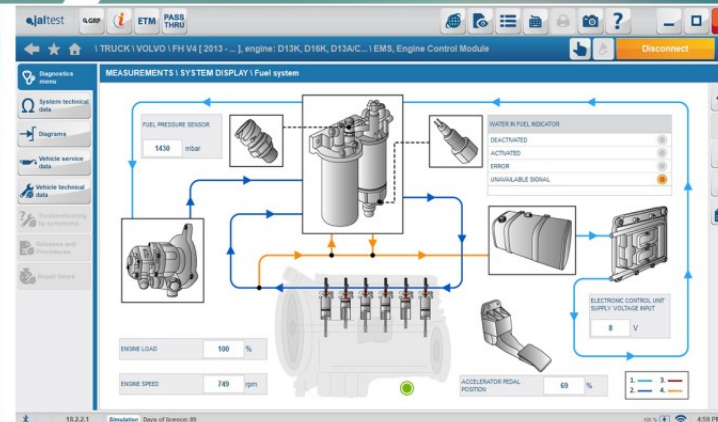
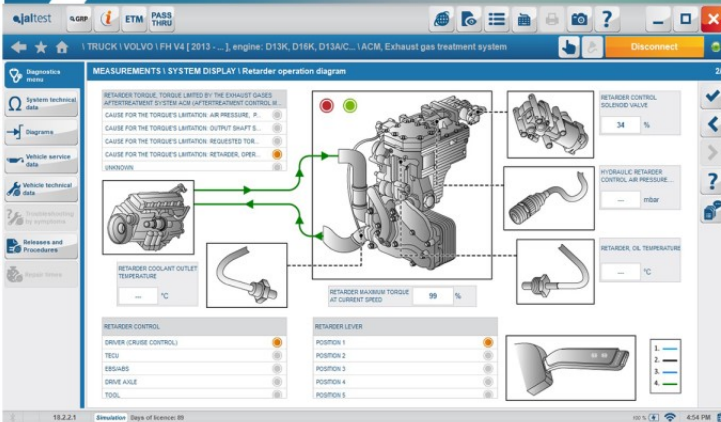
Timing gear diagrams.



System display (retarder).

System display (CR engine).

System display (SCR-DPF).



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