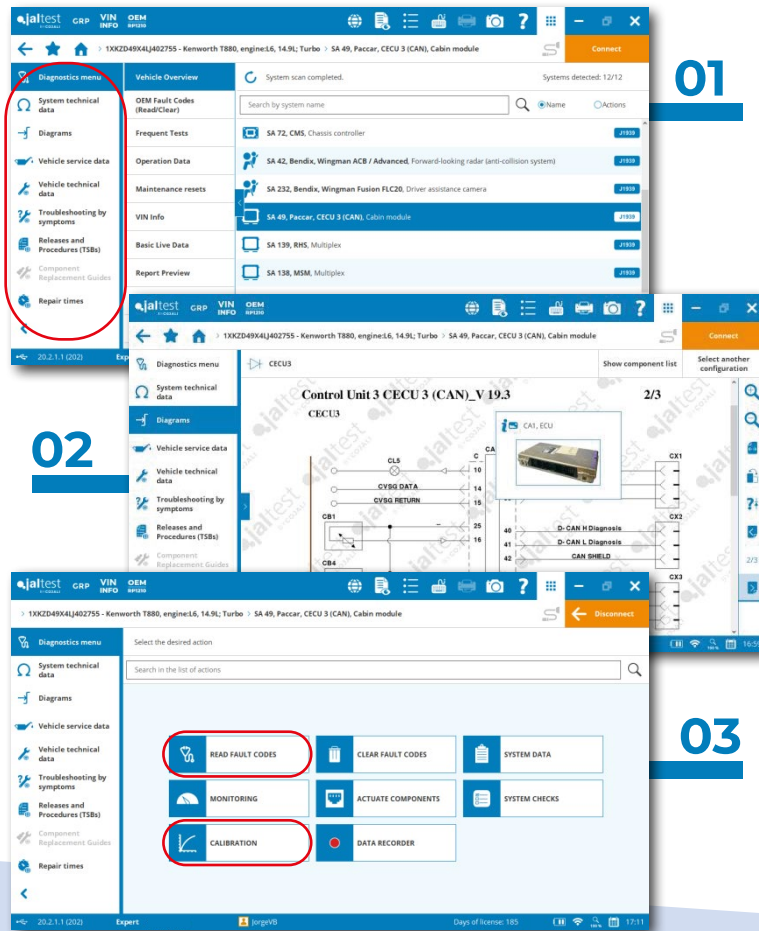


Jaltest Coverage on Paccar Cabins: HVAC Calibration in a CECU 3 Cabin



For more information visit:
cojaliusa.com

click on images to enlarge

One of the main differences between Jaltest and other Diagnostics Solutions is the coverage in details. In this Case of Study, we are going to see how Jaltest works on a Paccar Cabin, one of the most known in the USA. It is very common that when a customer arrives with a problem that is usually covered by the dealer, we get frustrated trying to find not just the solution, but also the problem.

With Jaltest Diagnostics, you will go further than just reading fault codes. Our Solution allows us to perform advance diagnostics with bidirectional dealer level tests in all the systems. You will be able to cover systems and components that we couldn't before!

The following Jaltest screenshots show a HVAC (Heating, Ventilation and Air Conditioning) Calibration in a Paccar Cabin of a Kenworth T880. A necessary action when we change the Air Conditioning System of the Cabin.

First of all, you have to select the ECU in which you want to connect (pic 1). In this case, it is Paccar CECU 3 (Cabin Module). Jaltest helps you with this connection, showing you how to hook up and the cables needed.

Moreover, before connecting, Jaltest provides a lot of technical information through the menu that is on the left side. For example, the wiring Diagrams of this cabin (pic 2), Repair Times or Technical Data of each component.

Once we have connected to the Central Computer, you will see the main Jaltest Diagnostics Menu (pic 3). By clicking on Read Fault Codes, Jaltest shows codes and information related, including also a troubleshooting by fault (pic 4). Through this Menu, you will be able to perform systems checks, calibrations, etc.

Selecting the option: Calibration, Jaltest will guide you during the whole HVAC Calibration in three easy steps:

1. Explanation of what is a HVAC Calibration. (pic 5)
2. Initial conditions required before performing the action and information. (pic 6)

3. The performance supported by information and graphics (pic 7). An automatic process in which Jaltest will let you know when the new information is written in the ECU.

Once you have concluded the Automatic Calibration, you can check how is working through Monitoring: where you will be able to see the data of the components in live. This information can be displayed through graphics that you can save in a Diagnostics Report and upload it to Jaltest GRP linking it to a vehicle and a customer.

Jaltest will save your money and your time!





01

GRP

VIN
INFO

OEM
RP1210





> 1XKZD49X4LJ402755 - Kenworth T880, engine:L6, 14.9L; Turbo > SA 49, Paccar, CECU 3 (CAN), Cabin module

Connect

Diagnostics menu

System technical data

Diagrams

Vehicle service data

Vehicle technical data

Troubleshooting by symptoms

Releases and Procedures (TSBs)

Component Replacement Guides

Repair times

Vehicle Overview

OEM Fault Codes (Read/Clear)

Frequent Tests

Operation Data

Maintenance resets

VIN Info

Basic Live Data

Report Preview

Save results to a vehicle

Manual diagnosis

System scan completed.

Systems detected: 12/12



☒Name☐Actions

SA 72, CMS, Chassis controller

J1939

SA 42, Bendix, Wingman ACB / Advanced, Forward-looking radar (anti-collision system)

J1939

SA 232, Bendix, Wingman Fusion FLC20, Driver assistance camera

J1939

SA 49, Paccar, CECU 3 (CAN), Cabin module

J1939

SA 139, RHS, Multiplex

J1939

SA 138, MSM, Multiplex

J1939

SA 15, Engine brake

J1939

☒SYSTEM IDENTIFIED☐SYSTEM NOT IDENTIFIED



20.2.1.1 (202)

Expert

JorgeVB

Days of license: 185



100 %

16:35

For more information visit:
cojaliusa.com



02

ialtest BYCOJALI GRP VIN INFO OEM RP1210

1XKZD49X4LJ402755 - Kenworth T880, engine:L6, 14.9L; Turbo > SA 49, Paccar, CECU 3 (CAN), Cabin module

Connect

Diagnostics menu
System technical data
Diagrams
Vehicle service data
Vehicle technical data
Troubleshooting by symptoms
Releases and Procedures (TSBs)
Component Replacement Guides
Repair times

CECU3

Show component list Select another configuration

Control Unit 3 CECU 3 (CAN)_V 19.3

CECU3

CA1, ECU

CL5
CVSG DATA
CVSG RETURN

CB1
CB4
CB2

CX1
CX2
CX3

D-CAN H Diagnosis
D-CAN L Diagnosis
CAN SHIELD

B-CAN H
B-CAN L
CAN SHIELD

20.2.1.1 (202) Expert JorgeVB Days of license: 185 16:59

For more information visit:
cojaliusa.com



03

jaltest BY COJALI GRP VIN INFO OEM RP1210

1XKZD49X4LJ402755 - Kenworth T880, engine:L6, 14.9L; Turbo > SA 49, Paccar, CECU 3 (CAN), Cabin module

Disconnect

Diagnostics menu Select the desired action

Search in the list of actions

System technical data

Diagrams

Vehicle service data

Vehicle technical data

Troubleshooting by symptoms

Releases and Procedures (TSBs)

Component Replacement Guides

Repair times

READ FAULT CODES

CLEAR FAULT CODES

SYSTEM DATA

MONITORING

ACTUATE COMPONENTS

SYSTEM CHECKS

CALIBRATION

DATA RECORDER

20.2.1.1 (202) Expert JorgeVB Days of license: 185 100 % 17:11

For more information visit:
cojaliusa.com

GRP

VIN INFO

OEM RP1210

1XKZD49X4LJ402755 - Kenworth T880, engine:L6, 14.9L; Turbo

SA 49, Paccar, CECU 3 (CAN), Cabin module

Disconnect

Diagnostics menu

System technical data

Diagrams

Vehicle service data

Vehicle technical data

Troubleshooting by symptoms

Releases and Procedures (TSBs)

Component Replacement Guides

Repair times

READ FAULT CODES

87600 x1

HVAC (heating, ventilation, and air conditioning) system. Relay of air conditioning compressor. Valid data but under the normal operation range.

Freeze Frame Data

Help and components of the fault

Fault Code Troubleshooting

Troubleshooting

Expand all steps

Step 1: Check the electronic components

Step 2: Check the relay, the cable and the connector.

Step 3: Check the wiring and connections.

Step 4: Check the Control Unit.

☐

Show check marks in the procedure steps.

20.2.1.1 (202)

Expert

JorgeVB

Days of license: 185

17:05

For more information visit:
cojaliusa.com

DIAGNOSTICS

COMMERCIAL

GRP
VIN INFO
OEM RP1210

1XKZD49X4LJ402755 - Kenworth T880, engine:L6, 14.9L; Turbo
SA 49, Paccar, CECU 3 (CAN), Cabin module

Diagnostics menu

System technical data

Diagrams

Vehicle service data

Vehicle technical data

Troubleshooting by symptoms

Releases and Procedures (TSBs)

Component Replacement Guides

Repair times

CALIBRATION \ HVAC (HEATING, VENTILATION, AND AIR CONDITIONING)

Add customized help

It is necessary to perform this action after replacing the component.See component image.

20.2.1.1 (202)
Expert
 JorgeVB
Days of license: 185

 100 %
 17:18

For more information visit:
cojaliusa.com

GRP

VIN INFO

OEM RP1210

1XKZD49X4LJ402755 - Kenworth T880, engine:L6, 14.9L; Turbo

SA 49, Paccar, CECU 3 (CAN), Cabin module

Disconnect

Diagnostics menu

System technical data

Diagrams

Vehicle service data

Vehicle technical data

Troubleshooting by symptoms

Releases and Procedures (TSBs)

Component Replacement Guides

Repair times

CALIBRATION \ HVAC (HEATING, VENTILATION, AND AIR CONDITIONING)

THE PROCESS CONSISTS OF MEMORIZING THE CALIBRATION VALUES OR TOPS OF SERVO ENGINES, HATCHES AND FAN REGULATION.

THIS CALIBRATION WILL BE AUTOMATICALLY PERFORMED

DO YOU WISH TO START THE CALIBRATION PROCESS?

✓

✗

?

20.2.1.1 (202)

Expert

JorgeVB

Days of license: 185

17:20

For more information visit:
cojaliusa.com

DIAGNOSTICS

COMMERCIAL



07

ialtest
BY COJALI

GRP

VIN
INFO

OEM
RP1210

> 1XKZD49X4LJ402755 - Kenworth T880, engine:L6, 14.9L; Turbo > SA 49, Paccar, CECU 3 (CAN), Cabin module

Disconnect

Diagnostics menu

System technical data

Diagrams

Vehicle service data

Vehicle technical data

Troubleshooting by symptoms

Releases and Procedures (TSBs)

Component Replacement Guides

Repair times

CALIBRATION \ HVAC (HEATING, VENTILATION, AND AIR CONDITIONING)

AUTOMATIC PROCESS
PLEASE WAIT...

✓

DEFROST MODE

OK

✓

?

HVAC (HEATING, VENTILATION, AND AIR CONDITIONING), TEMPERATURE

CALIBRATING...

⚠

📄

SERVOMOTOR OF AIR DISTRIBUTION

CALIBRATING...

⚠

SERVOMOTOR OF AIR DISTRIBUTION, FLOOR

CALIBRATING...

⚠

SERVOMOTOR OF THE FRESH AIR INLET DOOR / RECIRCULATION

CALIBRATING...

⚠

20.2.1.1 (202)

Expert

JorgeVB

Days of license: 185

100 %

17:21

For more information visit:
cojaliusa.com