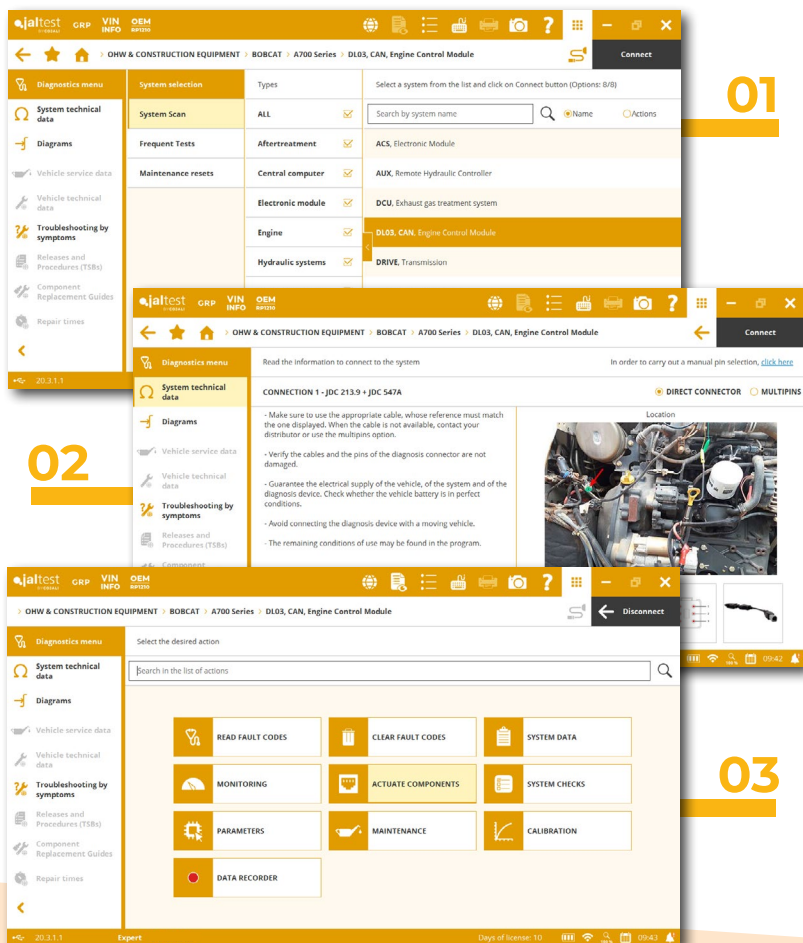


Jaltest Coverage Bobcat Injectors Calibration



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click on images to enlarge

It is normal that after hundreds of hours of use, the engine performance of our construction equipment begins to deteriorate. For this reason, technicians are used to change the injectors often. Every time we do these changes, we need to insert the new injectors' codes in the ECU. Some workshops spend a lot of resources sending the machinery to official dealers or purchasing the OEM software and hardware of each manufacturer in order to be able to perform these injector calibrations.

With Jaltest you will be able to execute injector calibrations by yourself, saving money and time.

The following screenshots show how Jaltest OHW can carry out injector coding in Bobcat Equipment.

For this action we will work on the engine system. See pic. 1. Note that Jaltest goes far past the engine. Hydraulic systems, transmission, central computer and the rest of the systems are also covered.

Before connecting, Jaltest provides you with a lot of technical information through the menu that is on the left side. For example, Wiring Diagrams, System Technical Data or Troubleshooting. Moreover, Jaltest helps you with the connection to this Bobcat A700 Series, showing you how to hook up: the location, the pinout, the cable needed (JDC213.9) and the adaptor (JDC547A). This information is very useful in Bobcat because there are a lot of different cables and type of connections (pic 2).

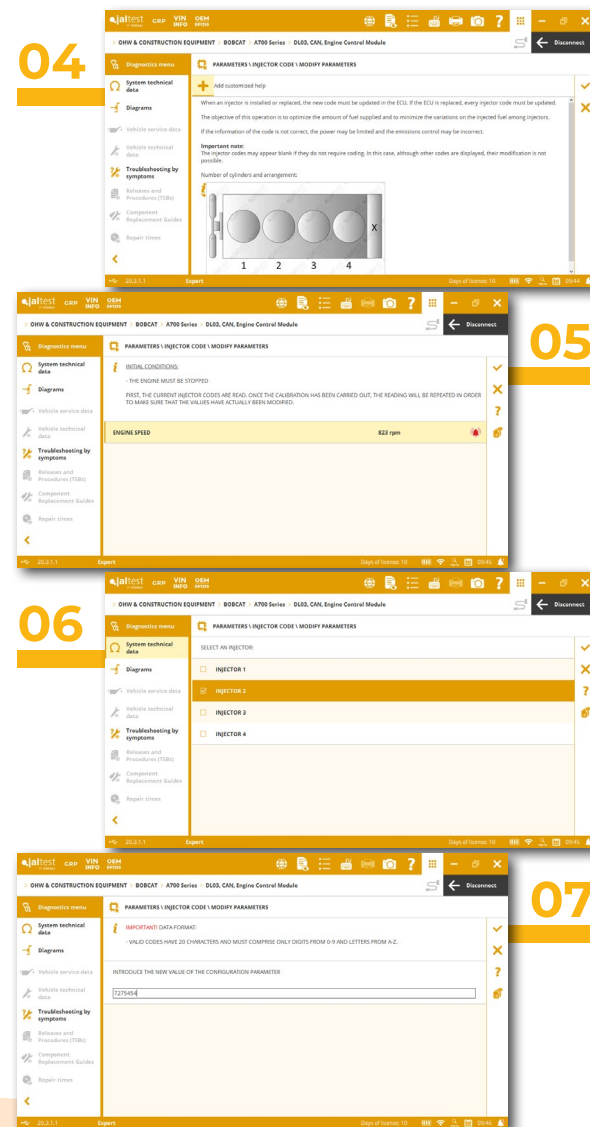
Once we have connected to the Central Computer of the Engine, you will see the main Jaltest Diagnostics Menu (pic 3), where you can read fault codes, display live data, carry out different system checks, parameters and calibrations.

By clicking on Parameters, you will be able to perform the injector calibration within three easy steps:

- 1 Explanation of the action (pic 4)
- 2 The initial conditions required before performing the action and the current engine performance: ready or not. (pic 5)
- 3 The action itself: select each injector and introduce its new value (pic 6 and 7).

Once it has concluded Jaltest will show you the new Injector Codes registered in the ECU.

This is an easy and guided process. That's how Jaltest works. Don't waste your time and money, use Jaltest OHW!





01

GRP

VIN
INFO

OEM
RP1210

> OHW & CONSTRUCTION EQUIPMENT > BOBCAT > A700 Series > DL03, CAN, Engine Control 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

System selection

System Scan

Frequent Tests

Maintenance resets

Types

ALL

Aftertreatment

Central computer

Electronic module

Engine

Hydraulic systems

Instrument cluster

Transmission

Select a system from the list and click on Connect button (Options: 8/8)

☒ Name ☐ Actions

ACS, Electronic Module

AUX, Remote Hydraulic Controller

DCU, Exhaust gas treatment system

DL03, CAN, Engine Control Module

DRIVE, Transmission

GATEWAY, Body computer

LHP, Instrument cluster

SJC, Electronic Module

20.3.1.1

Days of license: 10

100 %

09:41

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GRP
VIN INFO
OEM RP1210

> OHW & CONSTRUCTION EQUIPMENT > BOBCAT > A700 Series > DL03, CAN, Engine Control Module

Connect

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Read the information to connect to the system

In order to carry out a manual pin selection, [click here](#)

CONNECTION 1 - JDC 213.9 + JDC 547A

☒ DIRECT CONNECTOR ☐ MULTIPINS

Location

- Make sure to use the appropriate cable, whose reference must match the one displayed. When the cable is not available, contact your distributor or use the multipins option.
- Verify the cables and the pins of the diagnosis connector are not damaged.
- Guarantee the electrical supply of the vehicle, of the system and of the diagnosis device. Check whether the vehicle battery is in perfect conditions.
- Avoid connecting the diagnosis device with a moving vehicle.
- The remaining conditions of use may be found in the program.

20.3.1.1

Days of license: 10

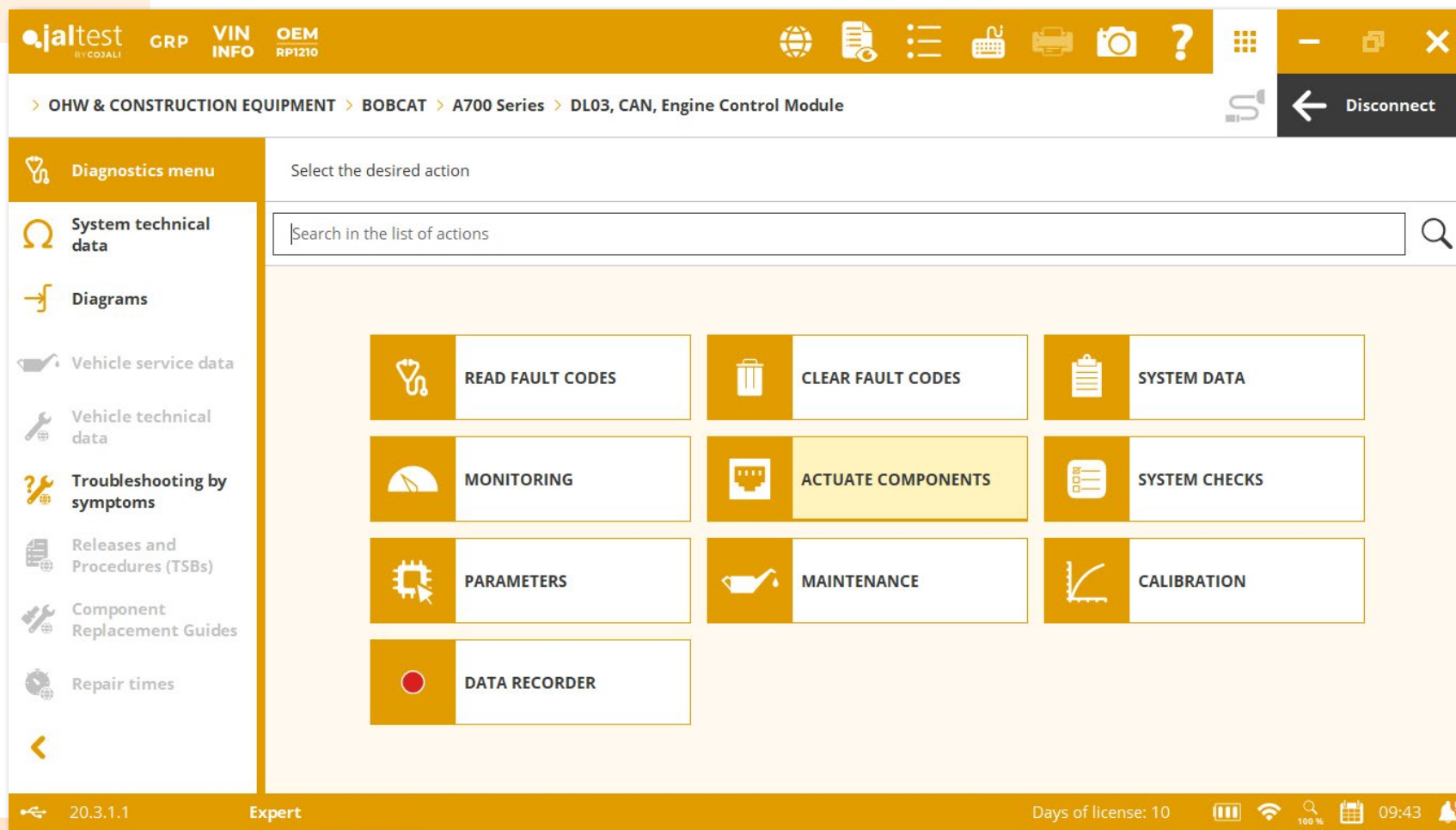
100 %

09:42

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03



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GRP
VIN INFO
OEM RP1210

Disconnect

> OHW & CONSTRUCTION EQUIPMENT > BOBCAT > A700 Series > DL03, CAN, Engine Control Module

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PARAMETERS \ INJECTOR CODE \ MODIFY PARAMETERS

Add customized help

When an injector is installed or replaced, the new code must be updated in the ECU. If the ECU is replaced, every injector code must be updated.

The objective of this operation is to optimize the amount of fuel supplied and to minimize the variations on the injected fuel among injectors.

If the information of the code is not correct, the power may be limited and the emissions control may be incorrect.

Important note:
The injector codes may appear blank if they do not require coding. In this case, although other codes are displayed, their modification is not possible.

Number of cylinders and arrangement:

20.3.1.1
Expert
Days of license: 10

100 %

09:44

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VIN INFO
OEM RP1210

> OHW & CONSTRUCTION EQUIPMENT > BOBCAT > A700 Series > DL03, CAN, Engine Control Module

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PARAMETERS \ INJECTOR CODE \ MODIFY PARAMETERS

INITIAL CONDITIONS:

- THE ENGINE MUST BE STOPPED

FIRST, THE CURRENT INJECTOR CODES ARE READ. ONCE THE CALIBRATION HAS BEEN CARRIED OUT, THE READING WILL BE REPEATED IN ORDER TO MAKE SURE THAT THE VALUES HAVE ACTUALLY BEEN MODIFIED.

ENGINE SPEED
823 rpm

20.3.1.1
Expert
Days of license: 10

09:45

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GRP

VIN INFO

OEM RP1210

<

Disconnect

> OHW & CONSTRUCTION EQUIPMENT > BOBCAT > A700 Series > DL03, CAN, Engine Control Module

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PARAMETERS \ INJECTOR CODE \ MODIFY PARAMETERS

SELECT AN INJECTOR:

☐
INJECTOR 1

☒
INJECTOR 2

☐
INJECTOR 3

☐
INJECTOR 4

✓

✗

?

📄

20.3.1.1

Expert

Days of license: 10

09:45

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jaltest BY COJALI GRP VIN INFO OEM RP1210

> OHV & CONSTRUCTION EQUIPMENT > BOBCAT > A700 Series > DL03, CAN, Engine Control 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

PARAMETERS \ INJECTOR CODE \ MODIFY PARAMETERS

IMPORTANT! DATA FORMAT:
- VALID CODES HAVE 20 CHARACTERS AND MUST COMPRISE ONLY DIGITS FROM 0-9 AND LETTERS FROM A-Z.

INTRODUCE THE NEW VALUE OF THE CONFIGURATION PARAMETER

7275454

20.3.1.1 Expert Days of license: 10 09:46

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