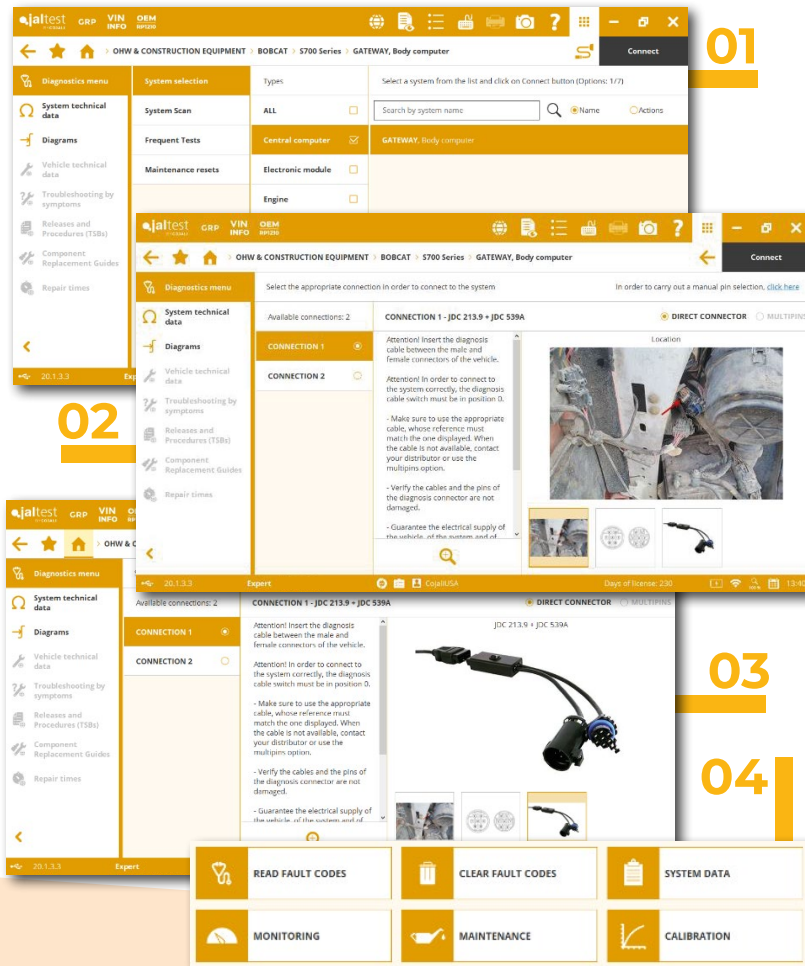


Maintenance counters Reset on Bobcat S700 Series with Jaltest



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 click on images to enlarge

One of the most important parts of preventative maintenance for compact construction machines is the routine service. Once it has been performed, the technician must reset the counters so that the alert turns off and a new maintenance cycle gets started. The present case study shows how to easily restart the periodic maintenance counter on your S 700 Series Skid steer loaders.

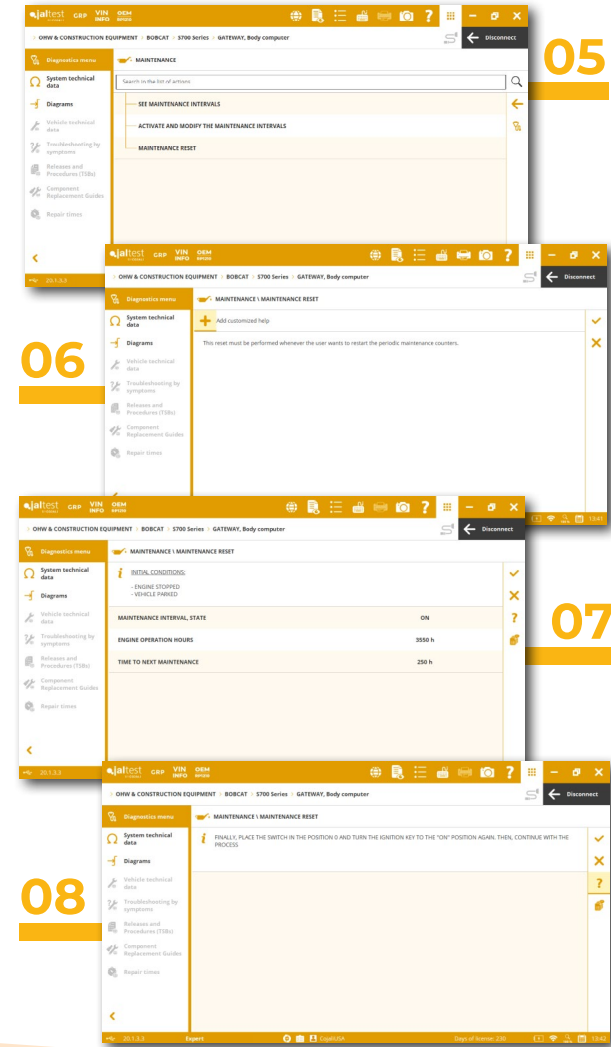
First of all, from the main screen, we have to manually go to Construction Equipment Bobcat S 700 Series.

Here we select, from the list of ECUs, the one we want to connect to, in this case the Body Computer (pic 1). Jaltest helps us with this connection, by showing us how to hook up, which cables are needed, different connection options, and even where to find the diagnostic port in the vehicle (pics 2 and 3). To do this, we are going to need a special connector (JDC 539 A) that allows to perform diagnostics actions without having a key. An exclusive connector for proprietary Bobcat Systems. Thanks to its morphology (two head cable) we would be able to connect to the CAN bus without opening the circuit.



Once we have connected to the Body Computer System, we will see the main different options we have (pic 4). From here we will be able to read and clear faults, monitoring live data, perform bidirectional actions, etc. Our reset is going to be inside of MAINTENANCE (pic 4). Within maintenance we will find different actions, so we just need to select our MAINTENANCE RESET (pic 5). Then, we will be asked for our Expert Mode Code (a safety password needed any time we modify the normal behaviour of the ECUs of the vehicle). Every Jaltest user has its own one.

As in any bi directional test, we have 3 easy steps. The first one, reading the instructions of what we are about to do (pic 6). Then, make sure that all the initial conditions are met (pic 7). And finally, follow the instructions given during the procedure. The software will guide you along the way (pic 8).





01

GRP

VIN
INFO

OEM
RP1210

> OHW & CONSTRUCTION EQUIPMENT > BOBCAT > S700 Series > GATEWAY, Body computer

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

System selection

Types

Select a system from the list and click on Connect button (Options: 1/8)

System Scan

ALL

☐

Frequent Tests

Aftertreatment

☐

Maintenance resets

Central computer

☒

Electronic module

☐

Engine

☐

Hydraulic systems

☐

Instrument cluster

☐

Transmission

☐

☐

Search by system name

☒ Name ☐ Actions

GATEWAY, Body computer

20.3.1.1 (303)

Expert

Days of license: 346

15:37

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02



GRP

VIN INFO

OEM RP1210





OHW & CONSTRUCTION EQUIPMENT

BOBCAT

S700 Series

GATEWAY, Body computer



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

Select the appropriate connection in order to connect to the system

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

Available connections: 2

CONNECTION 1

CONNECTION 2

CONNECTION 1 - JDC 213.9 + JDC 539A

Attention! Insert the diagnosis cable between the male and female connectors of the vehicle.

Attention! In order to connect to the system correctly, the diagnosis cable switch must be in position 0.

- 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

DIRECT CONNECTOR

MULTIPINS

Location







20.3.1.1 (303)

Expert

Days of license: 346



15:37

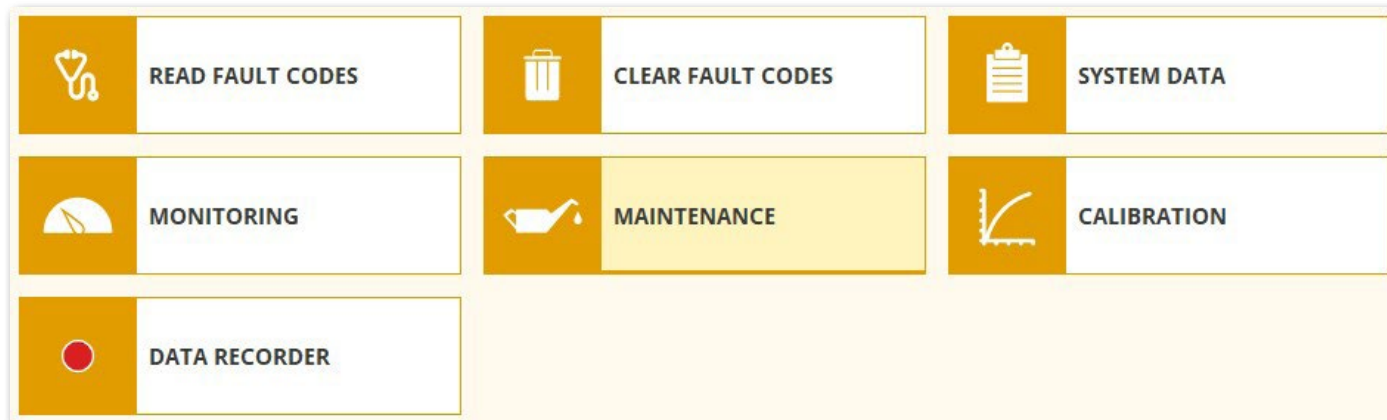
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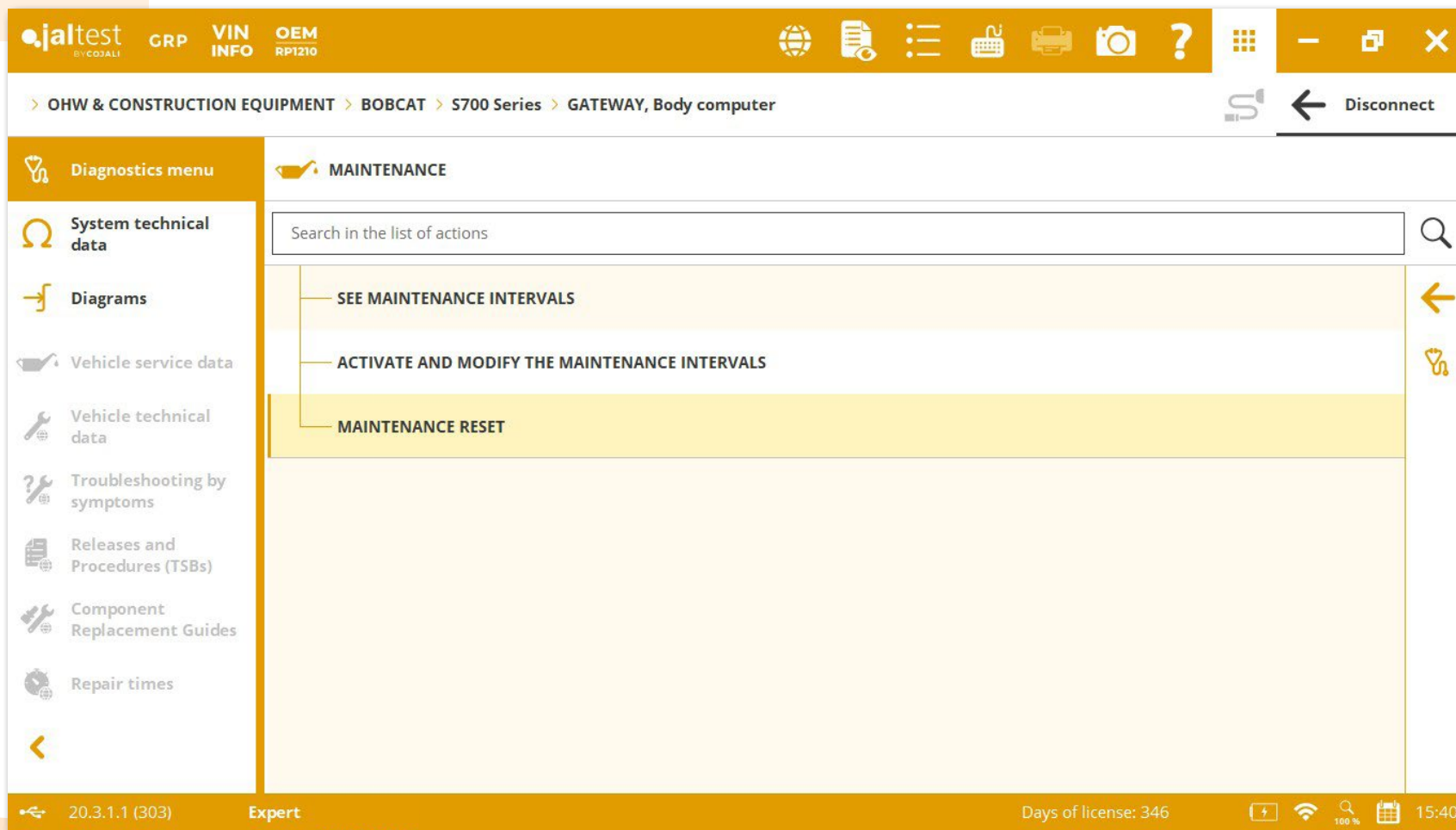

DIAGNOSTICS

 OFF-HIGHWAY





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The screenshot displays the jaltest diagnostic software interface. At the top, the header bar includes the jaltest logo, vehicle information (GRP, VIN INFO, OEM RP1210), and various tool icons. Below the header, a breadcrumb trail indicates the current location: > OHW & CONSTRUCTION EQUIPMENT > BOBCAT > S700 Series > GATEWAY, Body computer. A 'Disconnect' button is visible in the top right corner.

The main interface is divided into a left sidebar and a central content area. The sidebar, titled 'Diagnostics menu', lists several options: System technical data, Diagrams, Vehicle service data, Vehicle technical data, Troubleshooting by symptoms, Releases and Procedures (TSBs), Component Replacement Guides, and Repair times. The central content area is titled 'MAINTENANCE \ MAINTENANCE RESET' and contains a section for 'Add customized help' with a plus icon. Below this, a text box states: 'This reset must be performed whenever the user wants to restart the periodic maintenance counters.' To the right of this text box are two status icons: a checkmark and a cross.

The bottom status bar shows the software version (20.3.1.1 (303)), the user role (Expert), the license duration (Days of license: 346), and system status icons (battery, Wi-Fi, 100% search, calendar) along with the time (15:42).

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GRP
VIN INFO
OEM RP1210

> OHW & CONSTRUCTION EQUIPMENT > BOBCAT > S700 Series > GATEWAY, Body computer

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

MAINTENANCE \ MAINTENANCE RESET

INITIAL CONDITIONS:

- ENGINE STOPPED
- VEHICLE PARKED

MAINTENANCE INTERVAL, STATE

ON

ENGINE OPERATION HOURS

3550 h

TIME TO NEXT MAINTENANCE

250 h

20.3.1.1 (303) Expert Days of license: 346 100 % 15:42

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The screenshot displays the jaltest diagnostic software interface. The top header bar is orange and contains the jaltest logo, vehicle information (GRP, VIN INFO, OEM RP1210), and various icons for navigation and settings. Below the header, a breadcrumb trail indicates the current path: > OHW & CONSTRUCTION EQUIPMENT > BOBCAT > S700 Series > GATEWAY, Body computer. A 'Disconnect' button is visible in the top right corner.

The main interface is divided into a left sidebar and a central workspace. The sidebar, titled 'Diagnostics menu', lists several options: System technical data (highlighted), Diagrams, Vehicle service data, Vehicle technical data, Troubleshooting by symptoms, Releases and Procedures (TSBs), Component Replacement Guides, and Repair times. The central workspace displays a maintenance procedure under the heading 'MAINTENANCE \ MAINTENANCE RESET'. The procedure text reads: 'FINALLY, PLACE THE SWITCH IN THE POSITION 0 AND TURN THE IGNITION KEY TO THE "ON" POSITION AGAIN. THEN, CONTINUE WITH THE PROCESS'. To the right of the text are four status icons: a checkmark, an 'X', a question mark, and a document icon.

The bottom status bar shows the software version (20.3.1.1 (303)), the user role (Expert), the license duration (Days of license: 346), and system status icons (battery, Wi-Fi, 100% search, calendar) along with the time (15:42).

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