

Subject JVM Software Update Procedure

Series C201

Class: INFO

Revision: D Sheet 1 of 8

Release Date: 14.08.2014

ECM: 712690

Product Code: C - C200

With the introduction of the JVM (Johnston Visual Module) on the C201 product range it is now possible to download software by means of a Johnston USB flash drive to the unit if required. The following software download procedure should be undertaken when carrying out any revisions or updates to the software to ensure that the process is completed as required.

Step One: Prepare USB Flash Drive

- 1.1. Download the "C201_SwPack_z.zip" from the email onto your PC. The last digit of the file name will indicate the Software Pack Revision level. For example C201_SwPack_z.zip = Revision level Z.
- 1.2. [Erase ALL data contained on the USB Flash drive \(Part No: 7022225\).](#)



Figure One: JSL USB Flash Drive

- 1.3. Unzip the file: "C201_SwPack_z.zip"
- 1.4. Add the contents of the folder "C201_SwPack_z.zip" to the USB flash drive.
- 1.5. Check to ensure that the USB flash drive file structure is identical to the image shown in Figure Two

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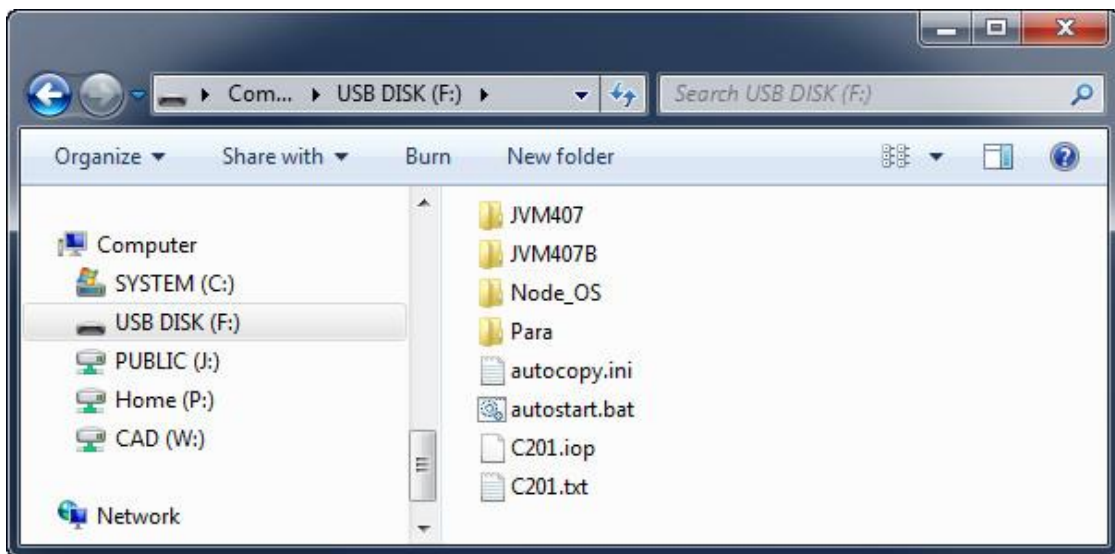
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**Figure Two: File Listing On USB Stick
(Software Pack 'U' onward)**

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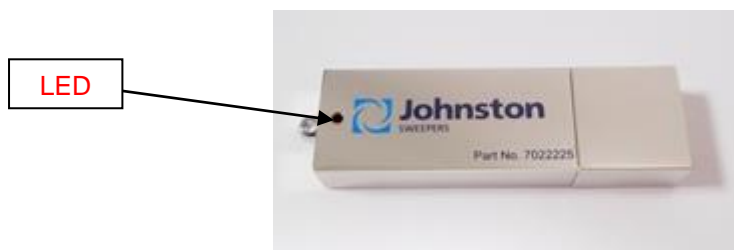
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Step Two: Software Download

- 2.1. Ensure the ignition is off.
- 2.2. Carefully open the rubber cover on the front of the JVM to expose the USB port.
- 2.3. Insert the USB stick (Part No: 7022225) containing update, check Red LED on stick is active.
- 2.4. Press buttons F1 & F3 and switch the ignition on, after initial start-up the screen will turn either black or white with some operational text you can now release the buttons, the update process will begin automatically.



******Never switch off the ignition during the download process******



Note: Software download can take up to 10 minutes depending on the size of the update.

******Never switch off the ignition during the download process******

- 2.5. You may be prompted to “press any key screen to continue” or the display will reboot normally, after which key off and wait 30 seconds.
- 2.6. Remove the USB drive from the JVM and continue with step three.

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Step Three: Passcode Entry

3.1 Press button F3 to access the Main Menu 4.0.

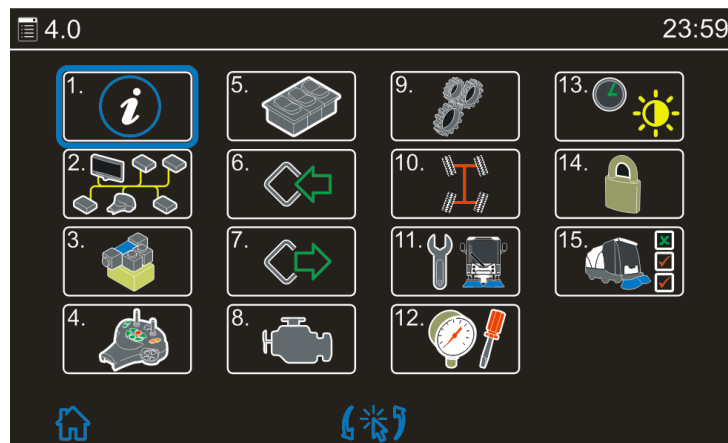


Figure Six: Menu 4.0 Main Menu

3.2 Select Menu 4.14 – Security

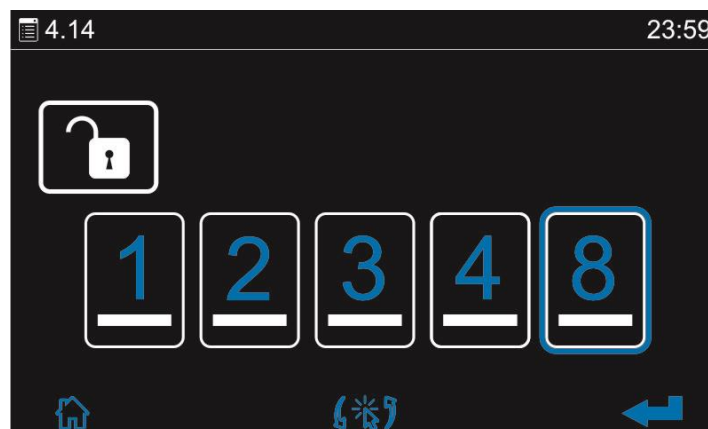


Figure Seven: Menu 4.14 System Security

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3.3 Enter the "Service" passcode: 88335.

3.4 Press the 'enter' key (F4) to complete the passcode entry.

3.5 Exit from the menu.

Step Four: Operating System (OS) Update

4.1 Go to Menu 4.11 – Service, and select option 3, OS Downloads.

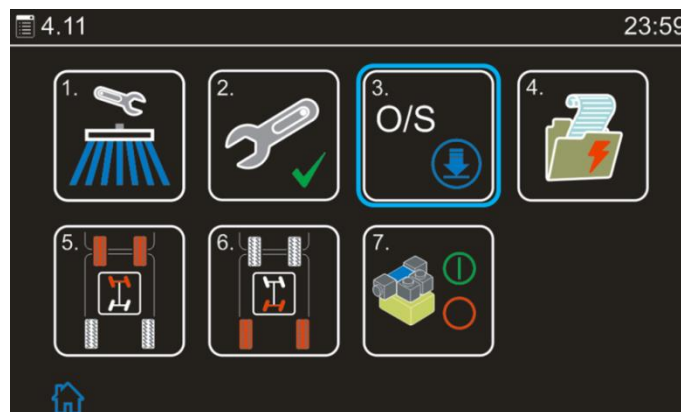


Figure Eight: Menu 4.11 Service

4.2 Move the blue halo and select the Internal Node (IN).

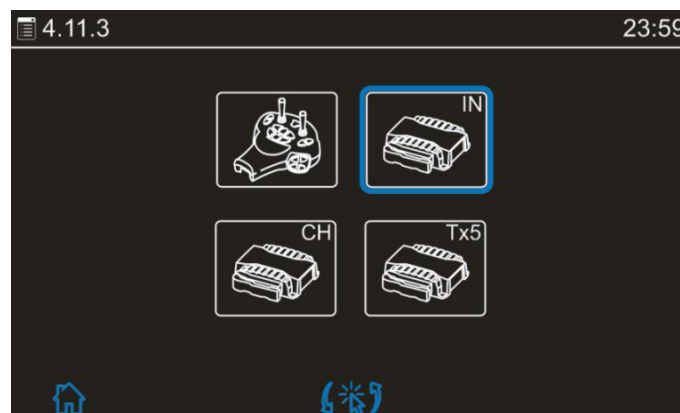


Figure Nine: Menu 4.11.3 OS Downloads

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- 4.3 Compare the “Current OS” version with the “New OS” version numbers. If the OS version numbers are different, then the Node OS must be updated.

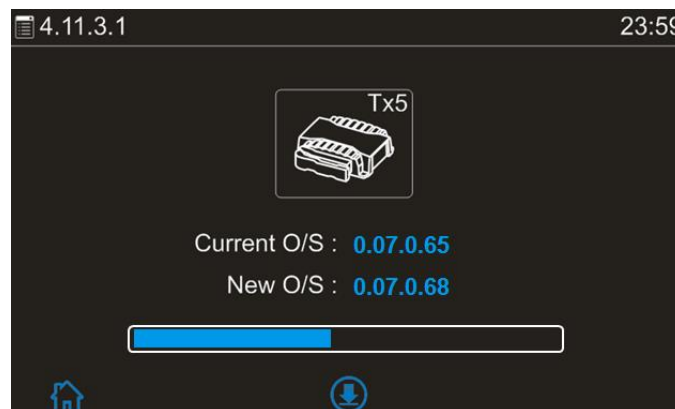


Figure Ten: Menu 4.11.3 Tx5 OS Download

- 4.4 To download the “New OS”, press the centre button on the JVM to start the OS update. The blue bar will indicate the progress of the download.

******Never switch off the ignition during the download process******

- 4.5 Once the green tick appears, the OS download is complete.
- 4.6 Repeat the process for the Chassis Node (CN) and the Tx5 Node.
- 4.7 Once all OS Updates are complete, exit from the Menus and switch off the ignition.
- 4.8 Wait one minute and then switch on the ignition.
- 4.9 Wait a further minute to allow all updates to be processed.

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Step Five: Clear Emergency Codes

5.1 Go to Menu 4.2 – CANbus Information.

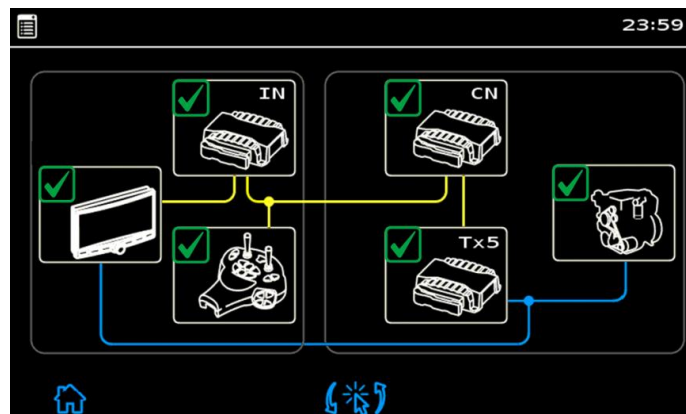


Figure Eleven: Menu 4.2 CANbus Information

5.2 Select the Sub Menu for the Internal Node (IN).

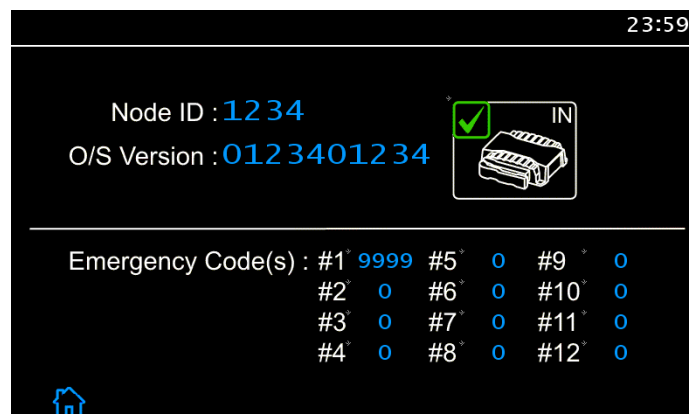


Figure Twelve: Menu 4.2.4 Internal Node (IN)

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5.3 Press and hold the following buttons for five seconds to clear the codes:

CRUISE CONTROL (On Palm) + JVM BUTTON F4



5.4 Repeat the process for the Chassis Node (CN) and the Transmission Node (TX5).

5.5 Switch off the ignition.

5.6 The JVM software update is now COMPLETE.

Parts required

Part No: 7022225 USB Stick Programming (Re-usable) - 1 off.

[Software Pack for upgrade \(provided by download\)](#)

Standard repair time = 20 minutes