

Subject JVM Software Update Procedure

Series C201

**Class: INFO**

Revision: B Sheet 1 of 9

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\_x.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\_G.zip = Revision level G.
- 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\_x.zip"
- 1.4. Add the contents of the folder "C201\_SwPack\_x.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 either Figure Two or Figure Three.

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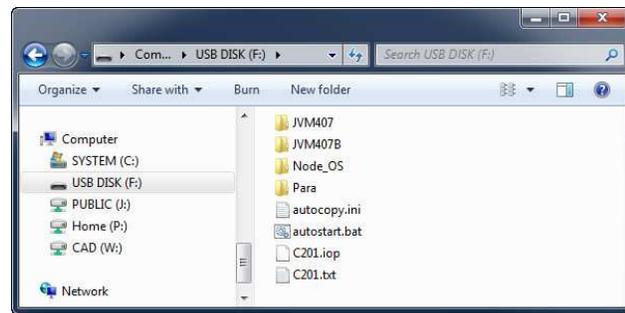
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**Note:** The following two files may change when a new software pack is compiled from the versions shown in Figure Two: FMC01\_1.17.1.07.os, JVM4xxbl\_1.09.0.00.



**Figure Two: File Listing On USB Stick (Up to Software pack 'T')**



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

## Step Two: Determine the Controller type

- 2.1 Switch on the ignition and take note of any text that appears in the bottom right hand corner of the display during the time taken for the progress bar to fill.



**Figure Four: Controller Type**

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**Class 1** = Immediate, **Class 2** = At next service point, **Class Info** = For parts and service information.

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Form No.031 Issue 015 – Jan 2009

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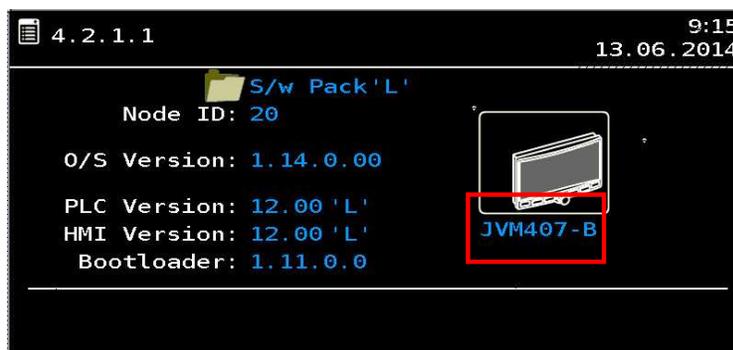
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- 2.2 The same information is available in menu 4.2.1.1. If you saw text stating “JVM-407B” then proceed to step four. Otherwise if you saw “JVM-407” or there was no text, continue to step three.



**Figure Five: Controller type 2<sup>nd</sup> location**

### Step Three: Software Download – JVM-407

- 3.1. Ensure the ignition is off.
- 3.2. Carefully open the rubber cover on the front of the JVM to expose the USB port.
- 3.3. Insert the USB flash drive into USB port.
- 3.4. Press and hold buttons F1 & F3 on the display;



- 3.5. Switch on the ignition
- 3.6. Release buttons F1 & F3 when the following text appears;

*“start operating system in STOP mode”*

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3.7 Software will now download from the USB flash drive automatically.

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\*\*\*\***

3.8 Once the software download is complete the following message will appear;

*"Press any key or touch screen to continue"*

Press any of the JVM buttons to continue.

3.9 The JVM will now reboot.

3.10 Once the reboot process has reached the transit mode screen, remove the USB drive and continue to step five.

### Step Four: Software Download - JVM407B

**\*\*\* Software Packs predating 'U' will not function on the JVM407B Unit\*\*\***

4.1. Ensure the ignition is off.

4.2 Carefully open the rubber cover on the front of the JVM to expose the USB port.

4.3 Insert the update USB flash drive into USB port.

4.4 Switch the ignition on. The update process will begin automatically

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\*\*\*\***

4.5 The display will reboot either once or twice during the upgrade download procedure. This step of the upgrade procedure is complete when the display performs a normal boot sequence and the red indicator LED on the USB drive remains dark on entry to the transit screen.

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4.6 Remove the USB drive from the JVM-407B and continue with step five.

## Step Five: Passcode Entry

5.1 Press button F3 to access the Main Menu 4.0.



Figure Six: Menu 4.0 Main Menu

5.2 Select Menu 4.14 – Security



Figure Seven: Menu 4.14 System Security

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5.3 Enter the "Service" passcode: 88335.

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

5.5 Exit from the menu.

## Step Six: Operating System (OS) Update

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



Figure Eight: Menu 4.11 Service

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

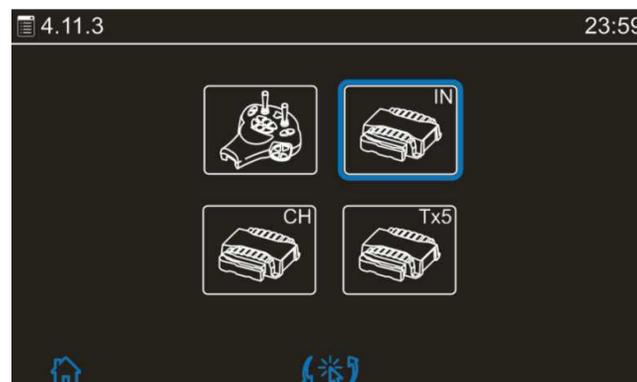


Figure Nine: Menu 4.11.3 OS Downloads

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- 6.3 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**

- 6.4 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\*\*\*\***

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

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## Step Seven: Clear Emergency Codes

7.1 Go to Menu 4.2 – CANbus Information.

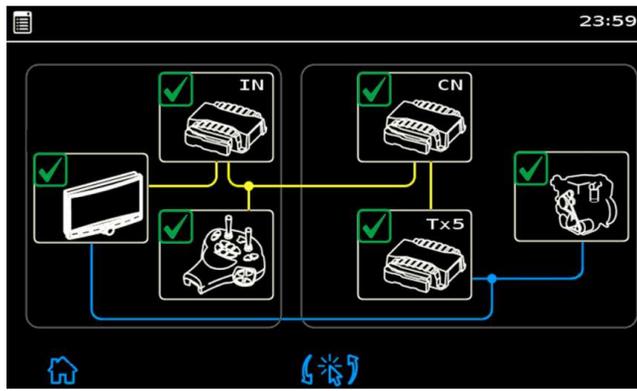


Figure Eleven: Menu 4.2 CANbus Information

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

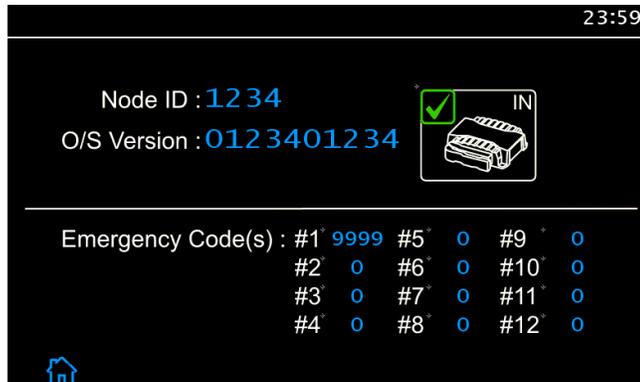


Figure Twelve: Menu 4.2.4 Internal Node (IN)

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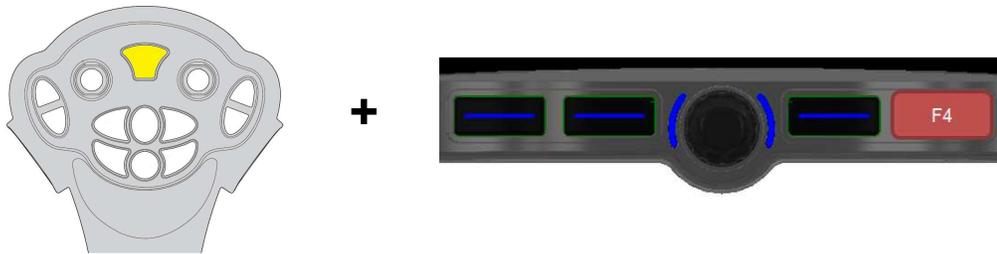
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7.3 Press and hold the following buttons for five seconds to clear the codes:

## CRUISE CONTROL (On Palm) + JVM BUTTON F4



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

7.5 Switch off the ignition.

7.6 The JVM software update is now COMPLETE.

### Parts required

Part No: 7022225 USB Stick Programming (Re-usable) - 1 off.  
[Software Pack for upgrade \(provided by download or via e-mail\)](#)

**Standard repair time = 20 minutes**