



Spartan Fire, LLC

Technical Service Bulletin
TSB24-500-001

DATE: 6/11/2024

APPLIES TO: This service bulletin applies to certain 2023 through 2025 model year, Gladiator, Metro Star, FC-94, and KME Panther model emergency response chassis cabs built between November 27, 2023 and March 14, 2024.

CONDITION: Certain functions that are controlled by Weldon HC node may not function properly.

CORRECTION: Update node operating system to OS version 2.00

LABOR ALLOCATION: 1 hour

CLASSIFICATION: T3

GENERAL INSTRUCTIONS:

Thoroughly review entire service bulletin before starting work. If there are questions or concerns with steps defined in this service bulletin, contact Spartan Fire, LLC. Customer & Product Support Group.

All applicable industry safety standards must be followed when performing work identified in this procedure.

Service Bulletins are intended for use by Professional Technicians only. They are written to guide Professional Technicians in performing service to vehicles of specific nature in conjunction with industry standards. Professional Technicians should be appropriately trained on industry standards and have the tools and equipment to perform procedures safely and properly.



HC NODE UPDATE

Step By Step Instructions

Note: A transceiver and cable as included in the Akron 6131-0000-00 downloader and diagnostics kit will be needed. No other special tools or skills are required. Transceiver shown below. *Figure 2.1*



Figure 2.1

1. Connect the transceiver to your windows laptop and allow any required drivers to be installed. If driver has not been installed previously and if the driver doesn't load automatically, it can be downloaded from the link here <https://www.akronbrass.com/weldon-v-mux-downloads> and then from the highlighted item below.

V-MUX Software Updates & Downloads

The software below is used in conjunction with V-MUX Hardware. For questions regarding V-MUX Software, contact Weldon Application Support at 1.800.989.2718

If you are not sure what software you need, have a look at the [V-MUX Software Guide](#)

Node Operating System Files

Note: V-MUX Downloader now uses C:\Users\{username}\Documents\V-MUX as default path for OS files.
For Archived OS Files go here

File	Version	Updated	Description
All OS Files	20240523	05/23/2024	All OS Files Zip Release Notes

V-MUX PC Software

File	Version	Updated	Description
VMUXDiagnostics146002_Install.exe	v1.4.6.002	11/28/2023	V-MUX Diagnostics Software Release Notes
VMUXDownloader628004_Install.exe	v6.2.8.004	11/28/2023	V-MUX Downloader v6.2.8.004 *OS Files not included* Release Notes
Transceiver Driver	2.12.28	8/30/2017	USB Transceiver Drivers for 32bit and 64bit OS.

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- Download the V-mux Downloader software from <https://www.akronbrass.com/weldon-v-mux-downloads> and then from the link shown below. *If you already have used V-MUX tools on this laptop, then no installations may be required.*

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V-MUX PC Software

File	Version	Updated	Description
VMUXDiagnostics146002_Install.exe	v1.4.6.002	11/28/2023	V-MUX Diagnostics Software Release Notes
VMUXDownloader628004_Install.exe	v6.2.8.004	11/28/2023	V-MUX Downloader v6.2.8.004 *OS Files not included* Release Notes
Transceiver Driver	2.12.28	8/30/2017	USB Transceiver Drivers for 32bit and 64bit OS.

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- Download the OS files by selecting the link “All OS Files” in the link below and download to your pc. These will typically download to your “downloads” folder in your pc, but they can be moved to a folder of your own creation for later reference, such as “My Documents/V-mux/OS Files”.

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Node Operating System Files

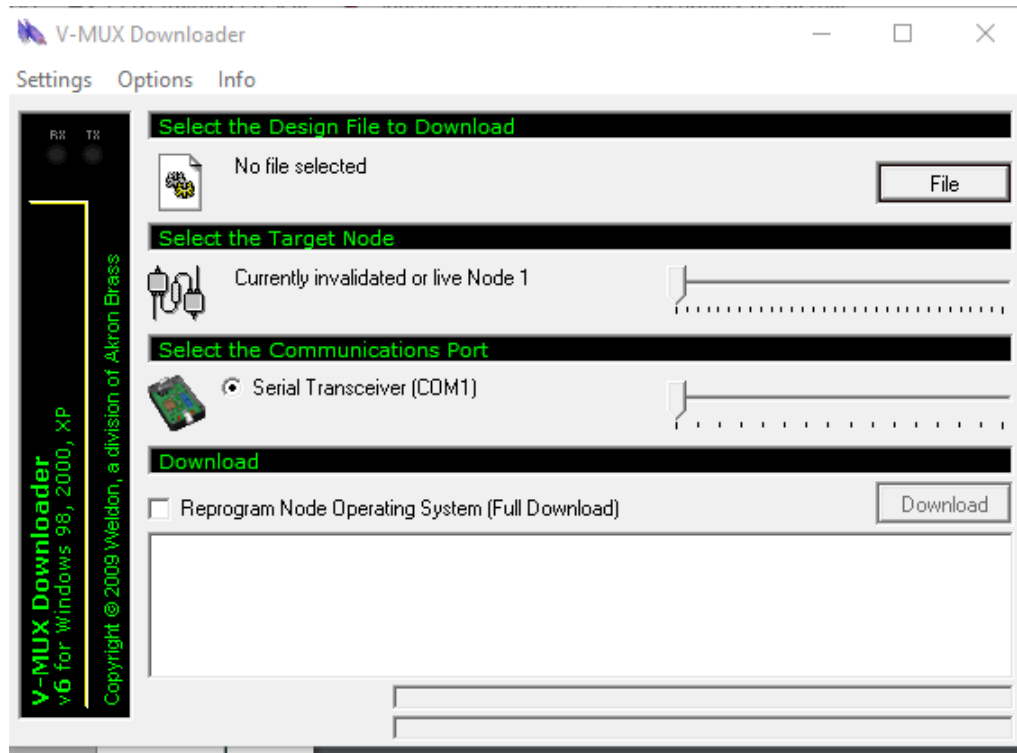
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4. Open the Downloader program, the start-up screen below will appear.



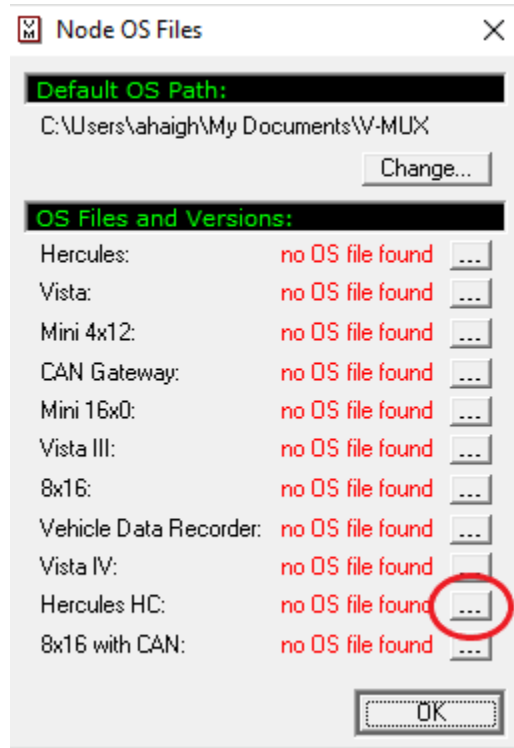
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5. Go to the settings menu and select Node OS Files. The window below will open. Select the icon with 3 dots in the Hercules HC node line.



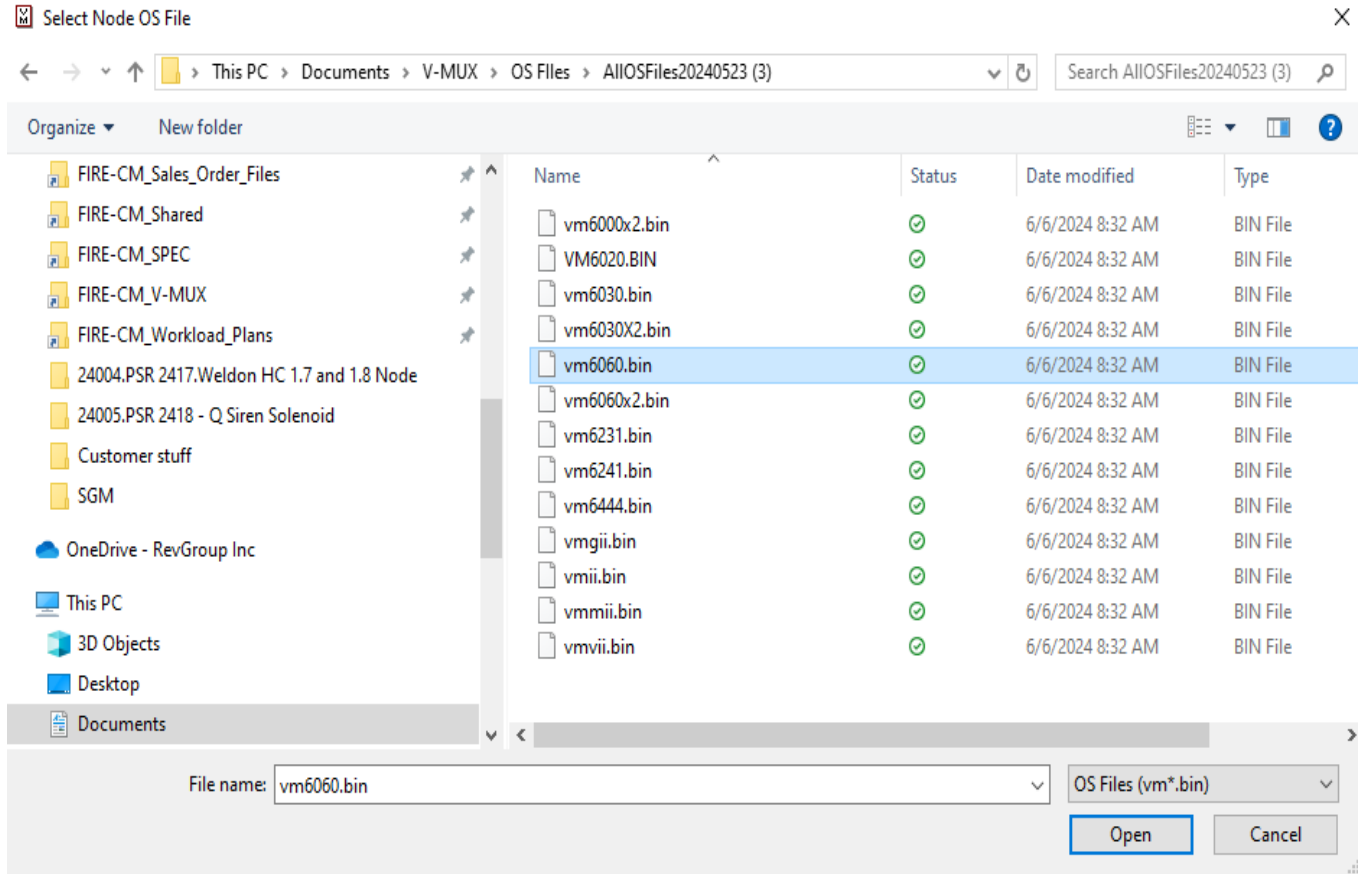
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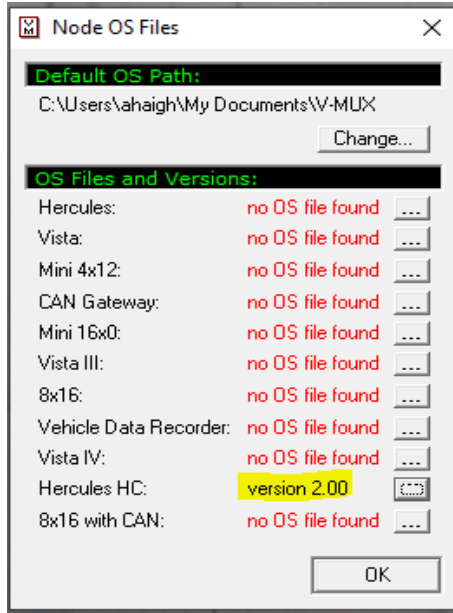
6. Navigating the browser that opens to locate the new OS files previously downloaded.
Select file vm6060.bin and select open.



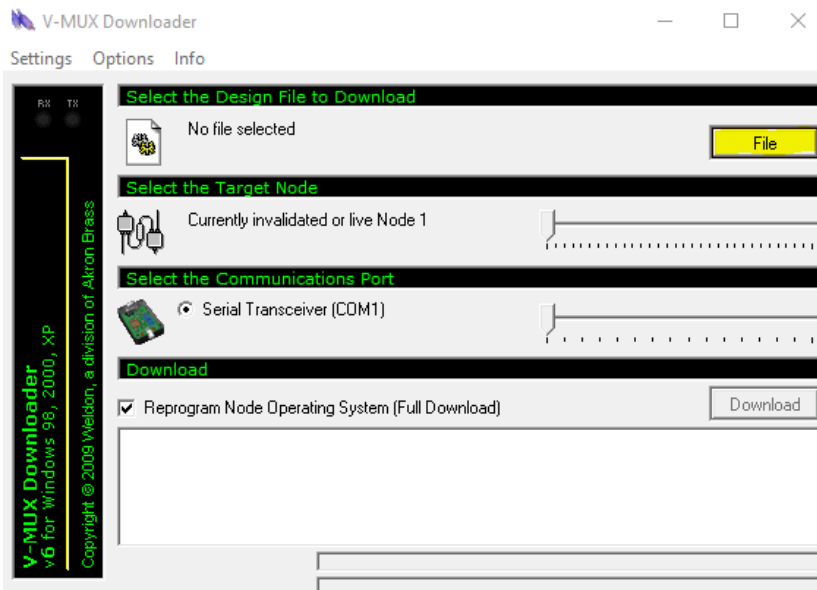
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7. Verify that the Hercules HC shows version 2.00



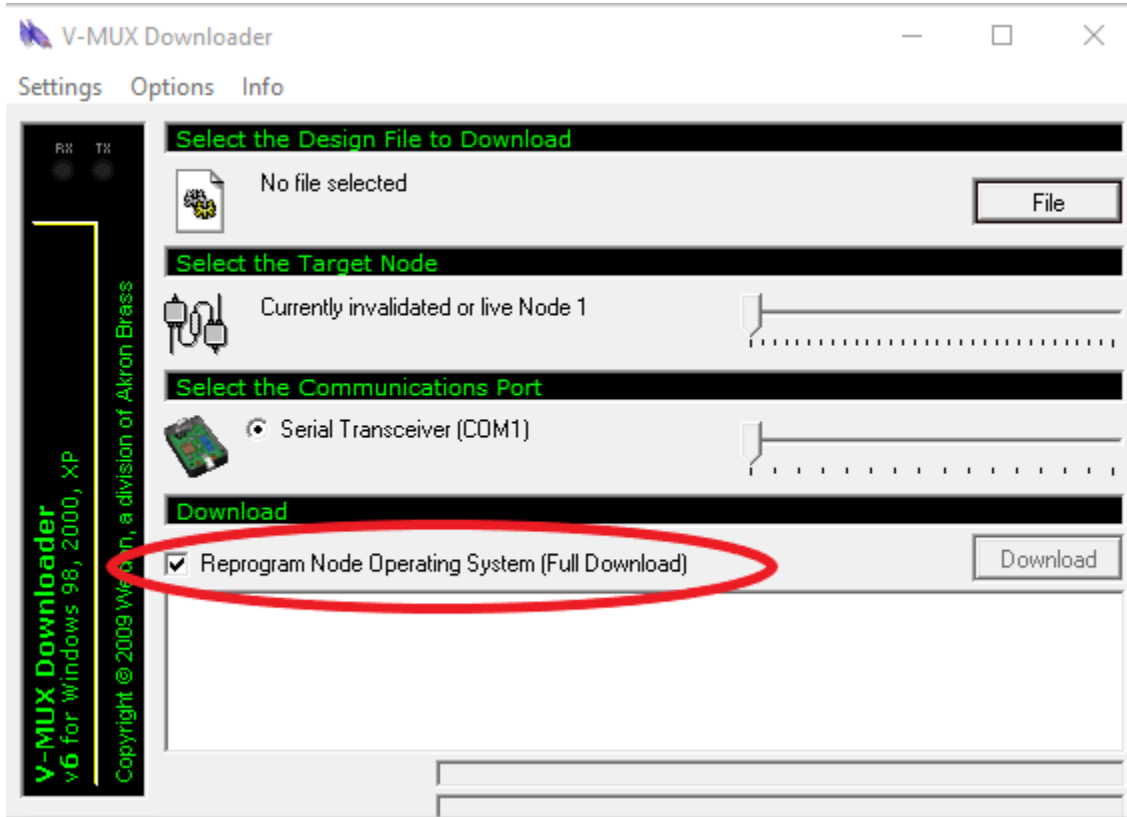
8. Next, select "File" and navigate to the bin file that will have to be obtained from the final OEM/Body Builder.



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- Using transceiver and proper cables, connect to the Weldon V-mux connector under the driver's side dash.
- Turn on Master and ignition switches.
- In the V-mux Downloader tool, ensure that the box is selected for "Reprogram Node Operating System (Full Download)".



- Select "Download" to both download the bin and the OS file to the respective node associated with the bin file.
- Repeat process for each HC node bin file received from the final OEM.
- After downloads are complete. Ensure all functions controlled by the v-mux system are operating as designed.

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