



Spartan RV Chassis

Technical Service Bulletin
RSB23-500-001

DATE: February 22, 2023

APPLIES TO:

Certain model year 2022, 2023, and 2024, K1, K2, K3, and K4 model Spartan RV chassis equipped with a vehicle control module (ICM) supplied by Ametek.

CONDITION:

A software error could result in inadvertent loss of motive power or other key safety functions such as loss of head lamps or windshield wipers.

CORRECTION: Update of software version 1.3 Version

LABOR ALLOCATION: 1 hour

CLASSIFICATION: V3

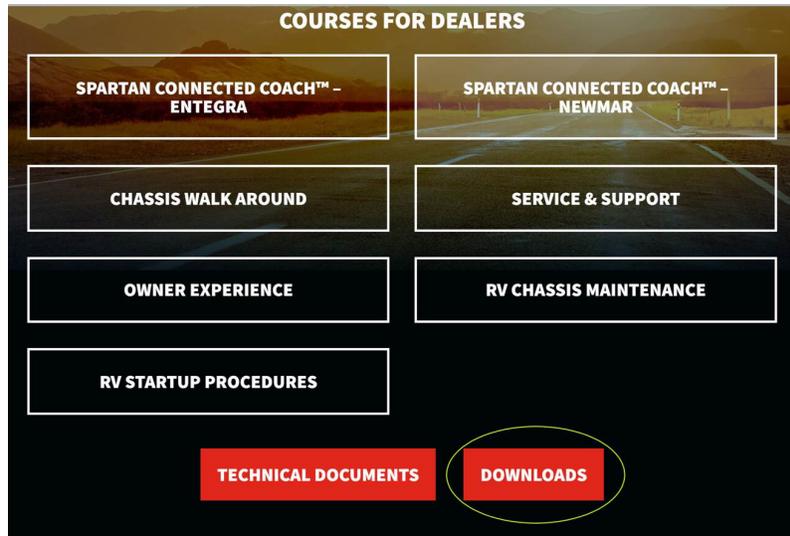
TOOLS NEEDED:

- Computer/Laptop with Microsoft Windows (XP, 7, 9, 10) and USB port.
- NEXIQ USB-Link 2.
- Web Browser.
- A user account to access the Spartan Academy page.

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.

STEP-BY-STEP INSTRUCTIONS:

1. On the Spartan Academy page (<https://academy.spartanrvchassis.com/>) and go to the downloads page. If not already a user you will need to create an account.

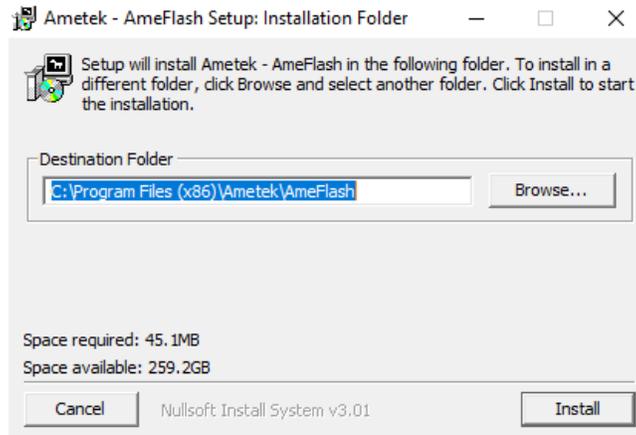


2. Download the RSB23-500-001 ICM Software, as well as the AmeFlash Installer if the program is not already installed

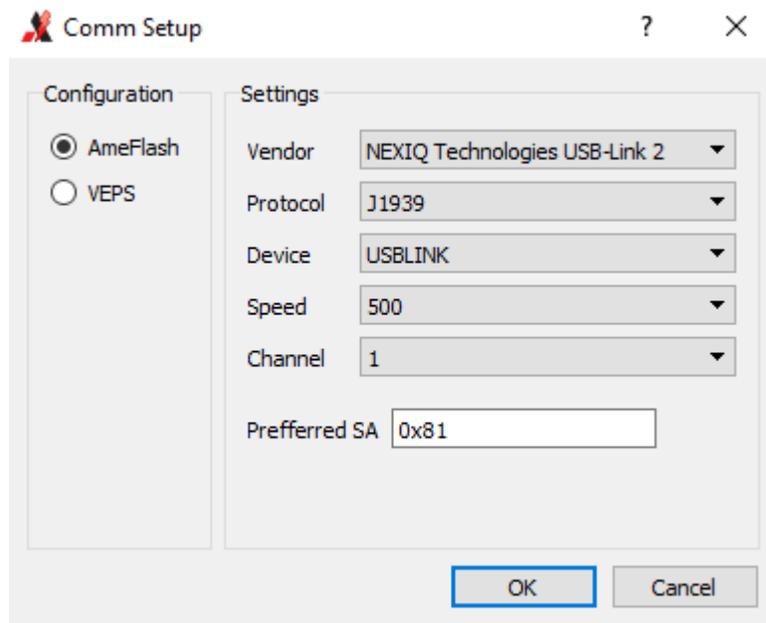


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3. Run the “AmeFlashInstaller-Spartan.exe” program and press install when prompted and close the window once finished



4. Open AmeFlash for the first time, it should bring up the Comm Setup window shown below

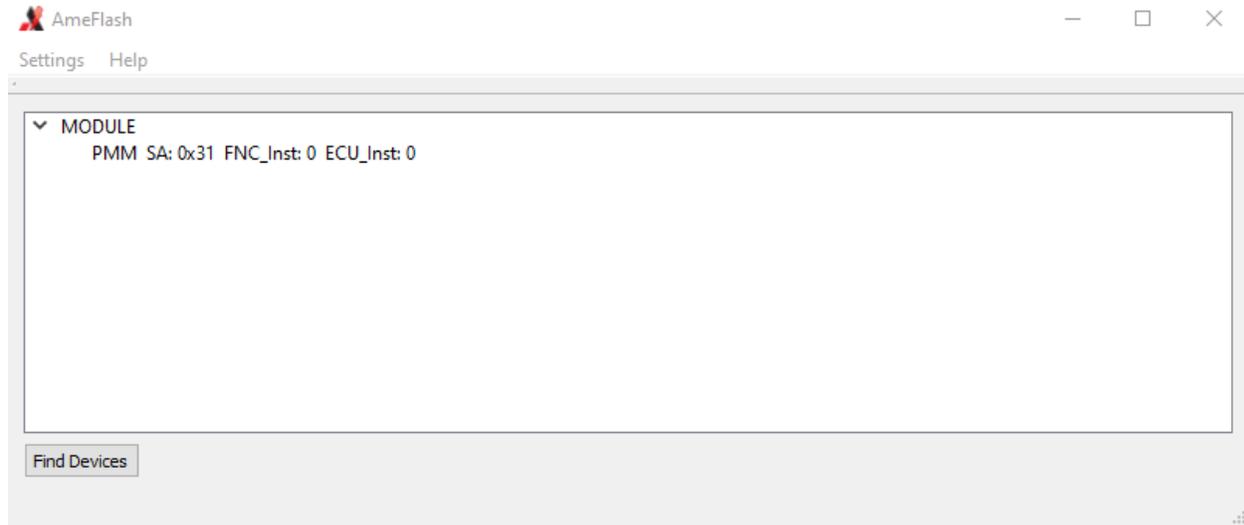


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5. Ensure all settings match the picture above and press OK to save the settings
6. Save the included downloaded app file “APP_PMM_CK_1.3.s19” to a location you can find when reflashing a coach

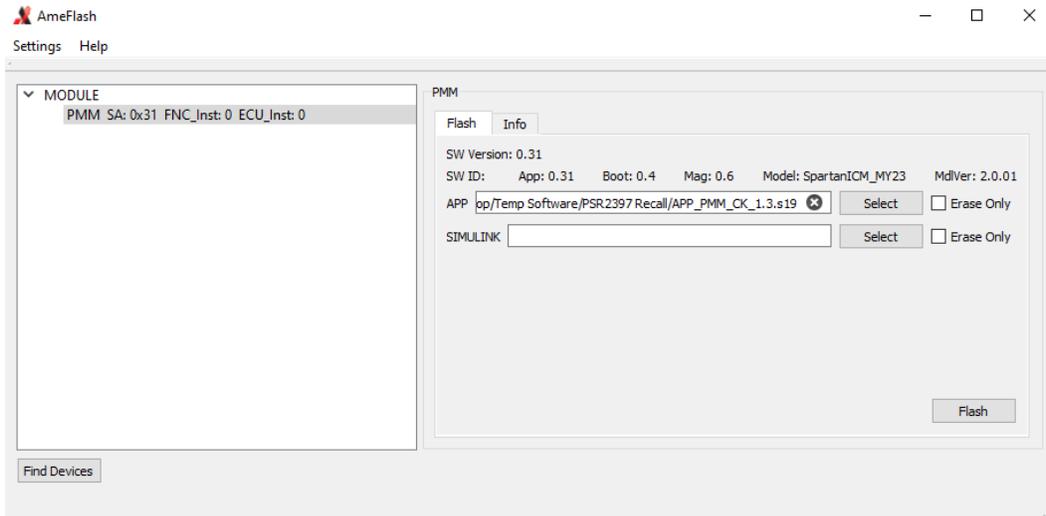
ICM Flash Process

1. Connect your laptop to the diagnostic port with a USB Link 2
2. Open AmeFlash, after a short period of ‘Searching for Ametek Devices...’ it should show the following screen

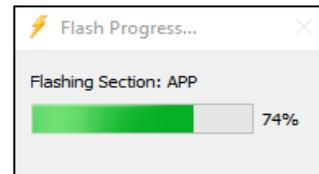


3. Select the PMM module (there may be other items present)
4. In the right pane, select the APP code you want to flash the ICM with
 - a. In this case, it will be “APP_PMM_CK_1.3.s19”
 - b. Leave the SIMULINK field blank, it does not need to be updated for this process

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5. Press Flash
6. The ICM should pop up a flash progress window that will go through the following steps
 - a. Entering Flash Mode
 - b. Erasing Section: APP
 - c. Erasing Section: Simulink
 - d. Flashing Section: APP
 - e. Flashing Section: Simulink
7. Once it is done, the flash progress window will close on its own.
8. Press Find Devices and select the PMM module again, if the App code now shows as version 1.3 then the update was successful



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