



Spartan Fire, LLC

Technical Service Bulletin
TSB26-410-001

DATE: 2/12/2026

APPLIES TO: This service bulletin applies to certain model year 2022-2025 Gladiator and Metro Star model emergency response chassis cabs built between October 2021 and October 2025.

CONDITION: Certain ZeroRPM equipped vehicles may possess default settings that do not prioritize the charging of the chassis equipped lead acid batteries.

CORRECTION: Change settings in the ZeroRPM to prioritize the charging of the chassis equipped lead acid batteries.

LABOR ALLOCATION: 0.5 hours

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.



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Step By Step Instructions

- 1) Plug into the shoreline.
- 2) Press and hold the F1 and OK buttons simultaneously to access the software page.
(See Figure 2.1)



Figure 2.1

Warning: Do not change any screen settings except those indicated by this bulletin

- 3) From the software page, press F4, F3, OK, F2, and F1 (in that order) to access the settings pages.
- 4) Use the right and left arrows to cycle to "Settings Screen 2". Use the up and down arrows to scroll to "B0 Sensor Current".
- 5) Press OK to select B0 Sensor Current.
- 6) Use the up and down arrows to set the value to 50, then press OK again. If setting is already 50, then this setting requires no change. (See Figure 3.1)

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Figure 3.1

- 7) Use the right and left arrows to cycle to “Settings Screen 5”. Use the up and down arrows to scroll to “Shore Power”.
- 8) Press OK to select “Shore Power”.
- 9) Use the up and down arrows to set the value P2, then press OK again. If setting is already P2, then this setting requires no change. (See Figure 3.2)



Figure 3.2

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- 10) Use the right and left arrows to cycle to "Settings Screen 6". Use the up and down arrows to scroll to "B0 Current Satisfy Time".
- 11) Press OK to select "B0 Current Satisfy Time".
- 12) Use the up and down arrows to set the value 120, then press OK again. If setting is already 120, then this setting requires no change. (See Figure 4.1)



Figure 4.1

- 13) Use the right and left arrows to cycle to "Settings Screen 7". Use the up and down arrows to scroll to "SP B0 Charge Time (m)".
- 14) Press OK to select "SP B0 Charge Time (m)".
- 15) Use the up and down arrows to set the value 60, then press OK again. If setting is already 60, then this setting requires no change. (See Figure 5.1)

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Figure 5.1

- 16) Once all settings have been configured, unplug from the shoreline.
- 17) Press and hold F1 until the green power icon changes to red, then wait for the Idle Mitigation System to power down.

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