



Spartan Fire, LLC

Technical Service Bulletin TSB23-520-001A

DATE: 6/22/2023

APPLIES TO: This service bulletin applies to 2021 through 2024 model year, Gladiator, Metro Star, FC-94, KME Panther, and KME Predator emergency response chassis cabs built between April 8, 2022 and March 20, 2023.

CONDITION: 120V box with dual breakers could be wired incorrectly.

CORRECTION: Inspect and rewire 120V box in accordance with diagram.

LABOR ALLOCATION: 1 hour

CLASSIFICATION: M3

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.

Condition:

Main Feed Load Line (black wire) coming into box may not be wired correctly to the circuit breakers. If the black wire coming into the box is wired to the outside terminal of the circuit breaker and then the jumper between the circuit breakers is connected to the inner terminals, then the circuit breakers are wired in series, which is incorrect.

See Figure 2.1

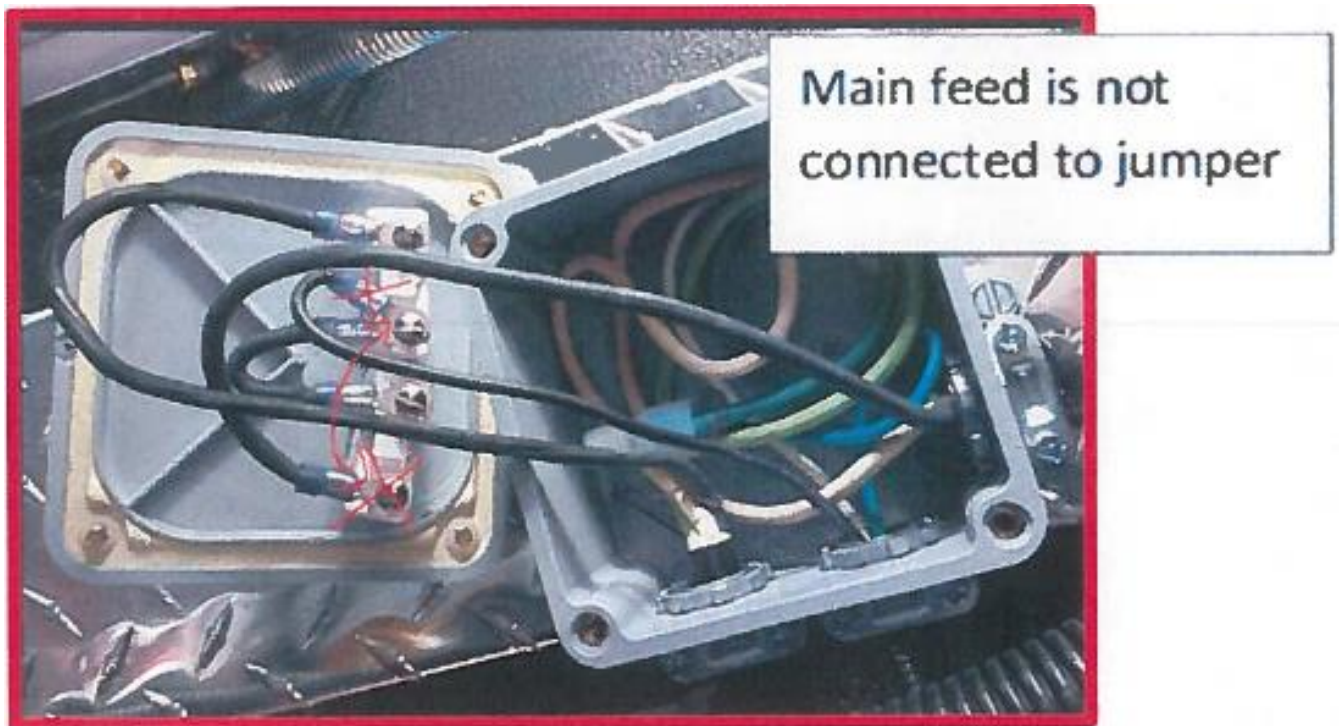


Figure 2.1

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Correct Wiring:

Main Feed Load Line (black wire) coming into box is wired to center terminals of circuit breakers with a jumper connecting the two center terminals of the circuit breakers. The outer terminals are the outputs from the circuit breakers. If the wiring is configured in this manner, rewiring is not required. If the wiring does not match the images and diagram below, disconnect the black wires and reconnect according to the diagram. See *Figure 3.1, 4.1, and 5.1*.

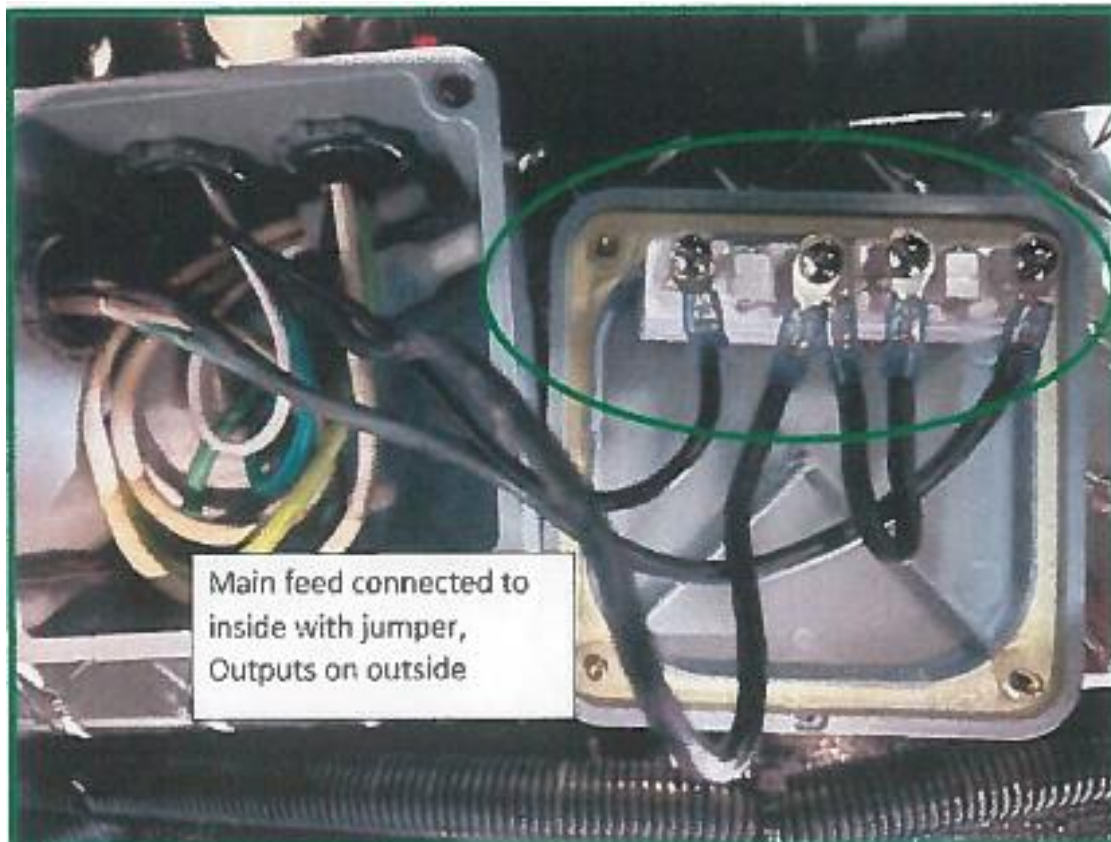


Figure 3.1

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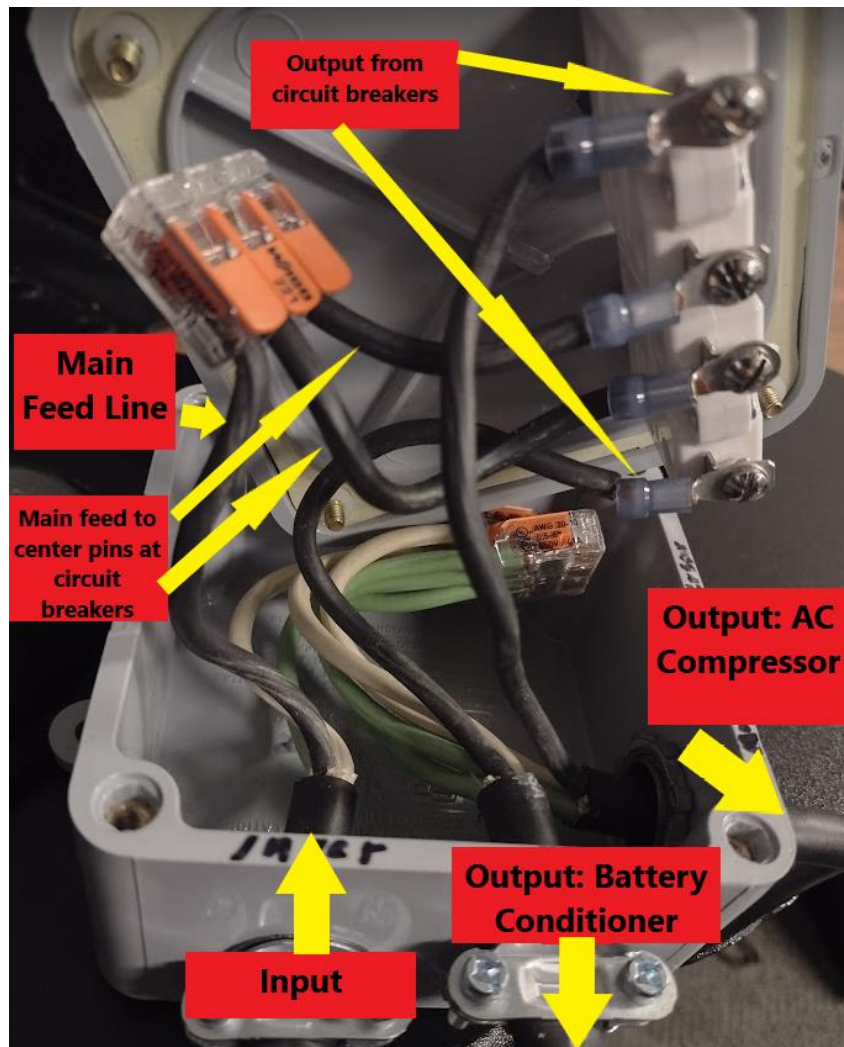


Figure 4.1

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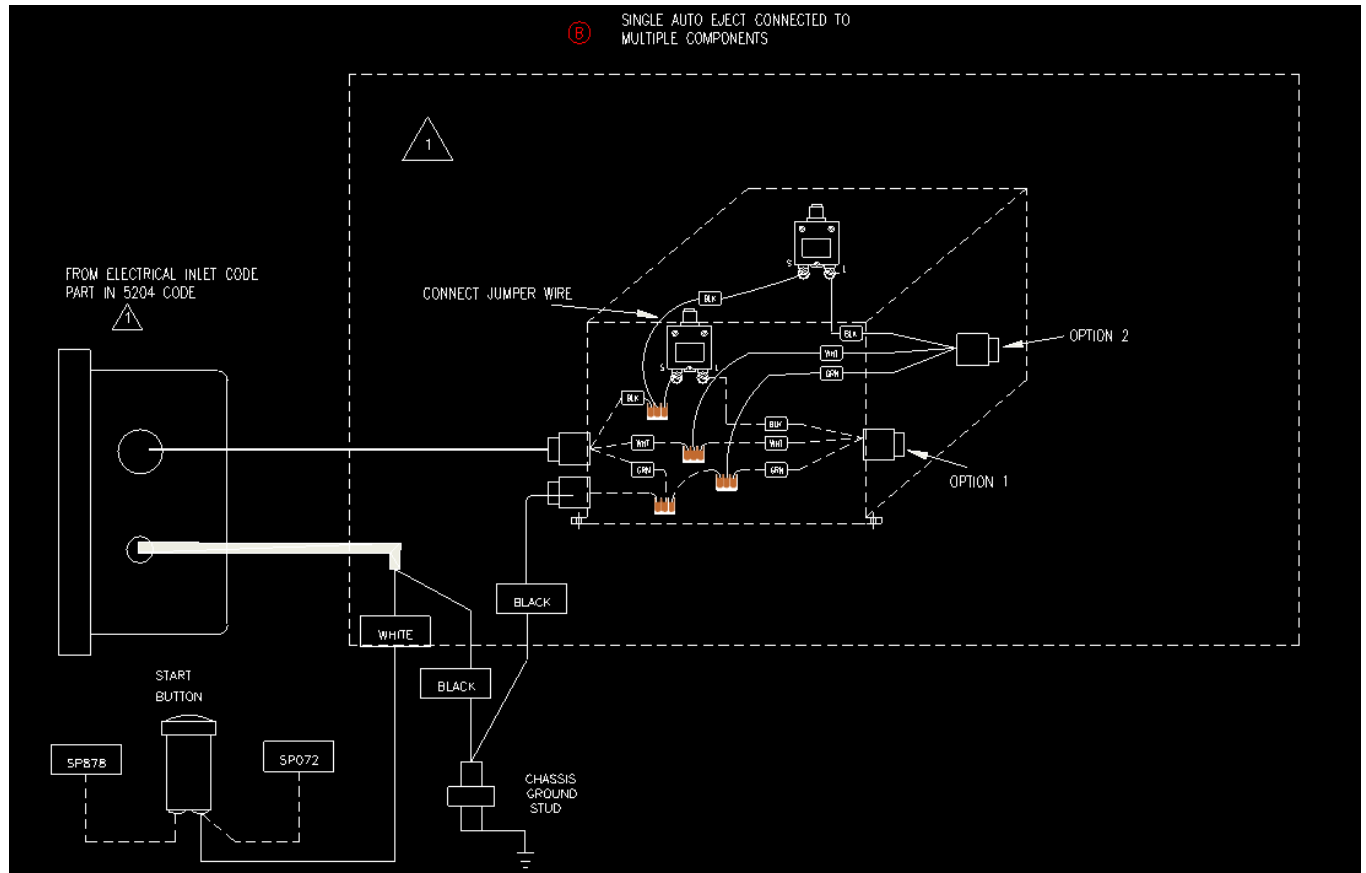


Figure 5.1

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