



Recall Service Bulletin

RSB20-560-001



DATE: October 29, 2020

APPLIES TO: This Recall Service Bulletin applies to Spartan Fire, LLC Model Year 2012-2016 Gladiator and Metro Star cab-chassis built between August 8, 2012, and October 11, 2016. Vehicles affected are limited only to cab-chassis equipped with Spartan Advanced Protection System that have had a replacement instrument panel S-2708-001 installed.

NHTSA/TC Id: 20E072

CONDITION: Advanced Protection System may not be operable after replacement of original instrument panel with kit S-2708-001.

CORRECTION: Install jumper wire on APS activation relay.

LABOR ALLOCATION: 1 hr.

CLASSIFICATION: E3

PARTS NEEDED:

<u>QTY</u>	<u>Part Number</u>	<u>Description</u>
1	S-2748-001	KIT - APS REWORK FOR AMETEK, ER SERVICE GAUGES

Kit # S-2748-001 Contains:

<u>QTY</u>	<u>Part Number</u>	<u>Description</u>
0.75 ft	0740-GG5-A08	WIRE-18AWG PINK GXL
2	0636-GG5-A04	EYELET #10 (22-16 GA) RED
1	0221-GG9-3471	DIAGRAM - APS CONTROLS AMETEK SERVICE GAUGE REWORK
1	RSB20-560-001	Instruction Document - English
1	RSB20-560-002	Instruction Document – French

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 are appropriately trained on industry standards and have the tools and equipment to perform procedures safely and properly.



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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, LCC. Customer & Product Support Group.

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

STEP-BY-STEP INSTRUCTIONS:

1. Crimp the 2 eyelets (0636-GG5-A08) on each end of the pink wire (0740-GG5-A08) provided with the kit.
2. Locate the solid-state relay in the center switch console, as shown in FIG 2-1.

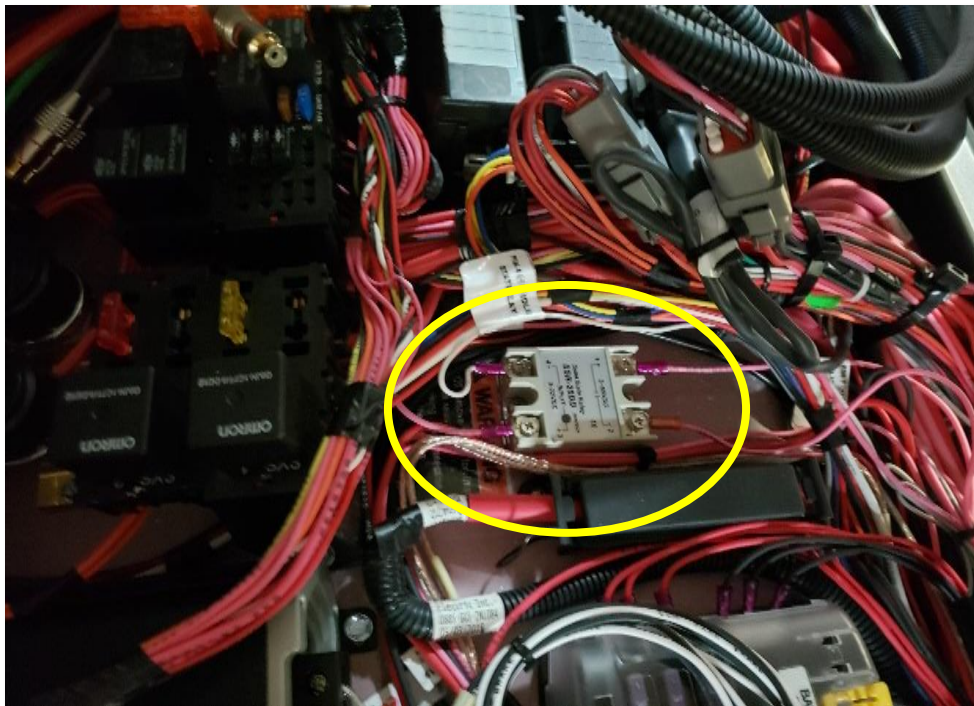


FIG 2-1

3. Use the provided diagram 0221-GG9-3471 to rework the circuits connected to the solid-state relay, as shown in FIG 3-1:

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- Remove SP006 from Post 4(-) and protect the end of the wire.
- Remove SP1047 from the Post 3(+) and place on Post 4(-)
- Connect the pink wire created in step 1 to Post 1(+), leaving current wire SP1598 connected.
- Connect the other end of the pink wire to post 3(+).

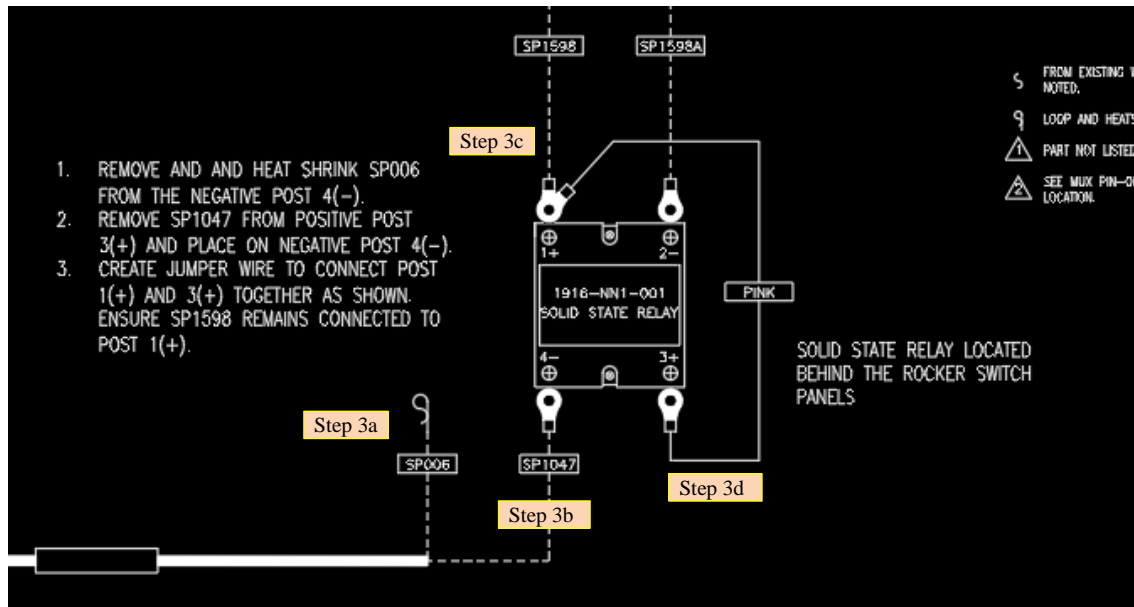


FIG 3-1

- Once all electrical connections are made, turn master and ignition switches to the ON position and start the vehicle
- Verify the Advanced Protection System (APS) icon in the Lightbar/Message Center (LMC) flashes shortly after the engine starts. The icon will flash 6 to 8 times before turning off. The flashing icon indicates the APS control module is active and completing a power-on self-test cycle. If no faults are detected at startup, the light is extinguished.



FIG 3-2

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