



**DATE:** 2-6-18

**APPLIES TO:** This service bulletin applies to 2012 through 2017 model year Pumper Fire Apparatus built between 3/12/2012 and 3/21/2017, which include an electric over hydraulic operated ladder rack.

**CONDITION:** Water intrusion into the pump panel mounted ladder rack switch may cause the ladder to descend into the download position.

**CORRECTION:** Inspect and replace switch with specified sealed switch part number if required after inspection of vehicle

**LABOR ALLOCATION:** 1 hour

**CLASSIFICATION:** E3

**PARTS NEEDED:**

| <u>QTY</u> | <u>Part Number</u> | <u>Description</u> |
|------------|--------------------|--------------------|
| 1          | S-2625-001         | Service Kit        |

**Kit # S-2625-001 Contains:**

| <u>QTY</u> | <u>Part Number</u> | <u>Description</u>   |
|------------|--------------------|----------------------|
| 1          | CSB18-ERV-001      | Instruction Document |
| 1          | CSB18-ERV-002      | Instruction Document |
| 1          | EL-14054           | Sealed Switch        |
| 3          | 1567-GG5-002       | Solder Sleeve        |

**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 Motors USA, Inc. Customer & Product Support Group.

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



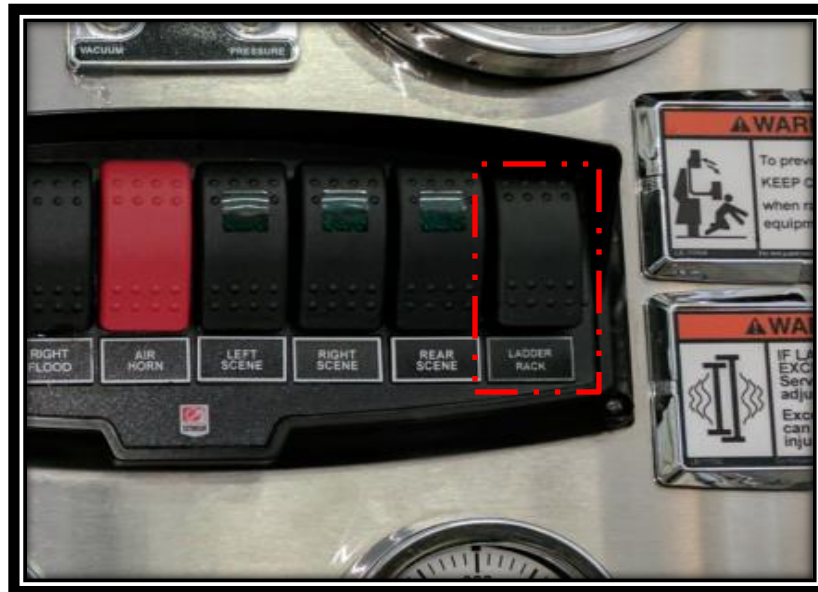
Ensure the Master and Ignition switches located in the dash are in the off position before beginning work.

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 standardss. Professional Technicians should be appropriately trained on industry standards and have the tools and equipment to perform procedures safely and properly.



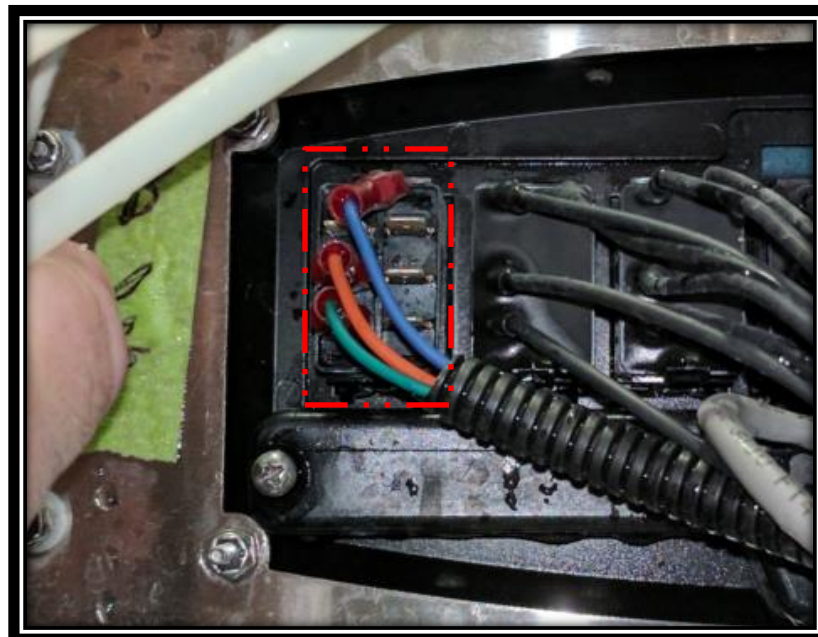
**STEP-BY-STEP INSTRUCTIONS:**

1. Locate ladder rack switch located in pump house rocker switch panel. Refer to FIG. 2.1.



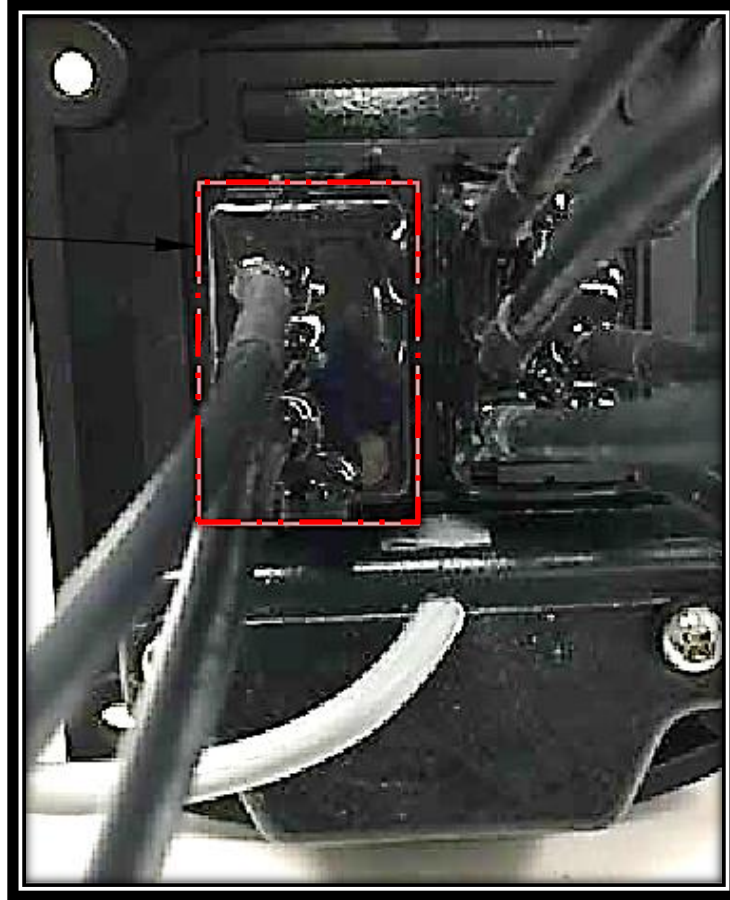
**FIG. 2.1**

2. Open pump house to review ladder rack switch. Refer to FIG. 2.2.



**FIG. 2.2**

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**FIG. 3.1**

3. If upon inspection the rocker switch is sealed no further action is required. Refer to FIG. 3.1.
4. If after inspection the switch is unsealed, follow steps 5 thru 11. Refer to FIG. 2.2.
5. Remove wires from back of switch and remove terminals.
6. Remove unsealed switch from panel, and install sealed switch.
7. Prepare wires for installation of solder sleeve by stripping off insulation for splice.
8. Slide solder sleeve over wires, or heatshrink if heat gun is not available.
9. Connect harness to switch wiring as shown in wiring diagram. Refer to FIG. 4.1.

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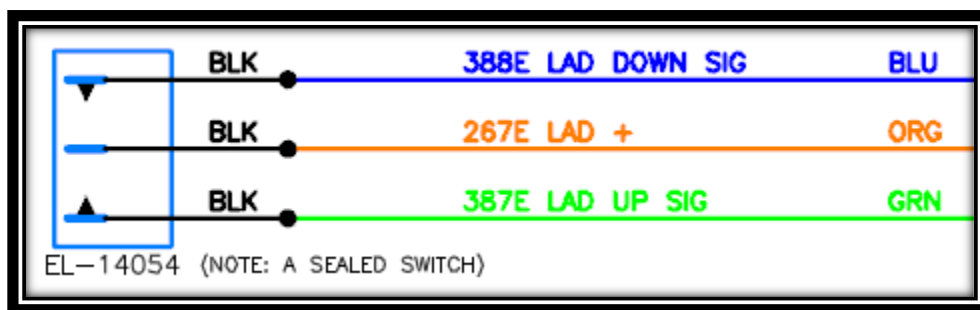


10. Use heat gun to apply heat to solder sleeve.

Note: Use heat gun only as other practices may split heatshrink on solder sleeve.

If heat gun is not available standard solder and heatshrink can be used. Make sure heatshrink has an adhesive lining to seal the splice.

11. Test operation of ladder rack switch: with vehicle park brake set operate ladder rack to the down position and back into the stowed position.



**FIG. 4.1**

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