



Smeal Fire Apparatus

Campaign Service Bulletin
CSB24-570-001

DATE: 2/29/2024

APPLIES TO: This service bulletin applies to certain 2022 through 2023 model year, KME Pumper Fire Apparatus model Emergency Response vehicles built between August 3, 2022 and November 29, 2023.

CONDITION: Vehicle may not be equipped with an audible alarm at the pump panel location for low engine oil pressure and high coolant temperature warnings.

CORRECTION: Install an audible alarm in the pump panel location.

LABOR ALLOCATION: 1 hour

CLASSIFICATION: E3

PARTS NEEDED:

<u>QTY</u>	<u>Part Number</u>	<u>Description</u>
1	4-01307	Piezo Audible Alarm
1	FA-10278	P – Clamp, Loom 1 ½
1	FA-11609	Screw, 10-24x1 PHL RND THR

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

Option A: Alarm Mounted Behind Panel

- 1) Remove the rubber cover on the #24 P-clamp.
- 2) Add 3/8" heat shrink around the P-clamp in place of the rubber cover to allow for more flexibility.
- 3) Wrap the P-clamp around the alarm and mount it to the structure using a 10-24X1" screw. See Figure 2.1
- 4) See wiring instructions on page 4.



Figure 2.1

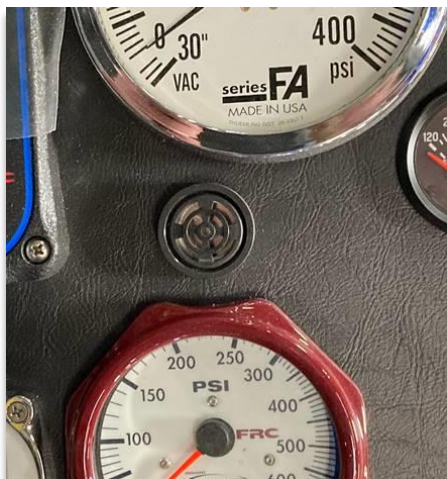
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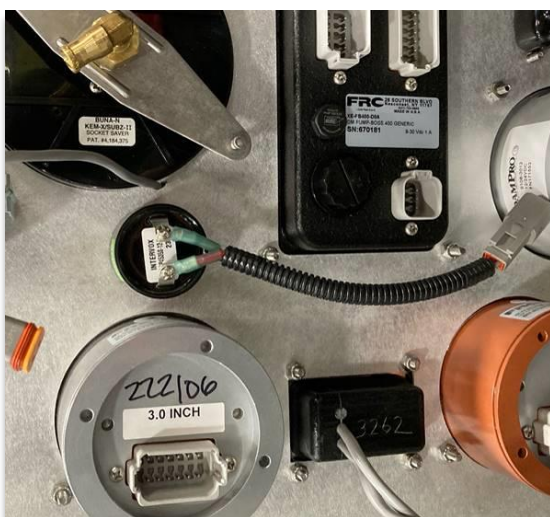
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Option B: Drilling Into Panel (Not Recommended for Stainless Steel Panels)



- 1) Locate the desired alarm location and drill through the panel using a 1 1/8" hole saw bit.



- 2) Remove the knurled nut from the alarm housing, feed the alarm through the back side of the panel, then replace the knurled nut to hold the alarm in place.
- 3) See wiring instructions below on page 4.

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Wiring Instructions

A) In Control Governor Alarm Wiring

- 1) Connect the power wire from the alarm to Pin 1 on the 12-pin governor connector. See Figure 4.1

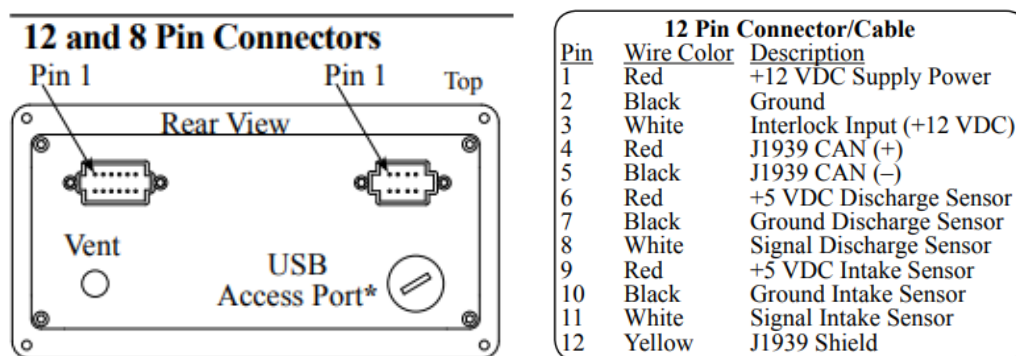


Figure 4.1

- 2) Connect the ground wire from the alarm to Pin 7 on the 8-pin connector on the governor. See Figure 4.2

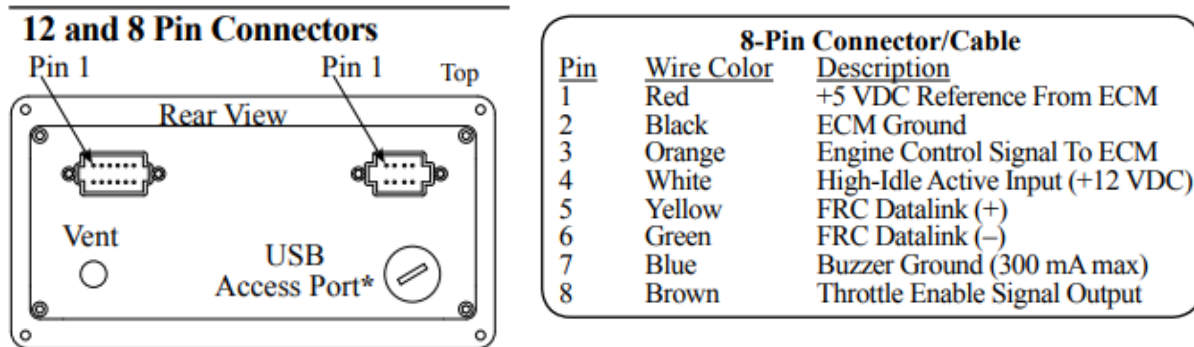


Figure 4.2

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B) Pump Boss Governor Alarm Wiring

- 1) Connect the power wire from the alarm to Pin 1 on the 8-pin governor connector. See Figure 5.1

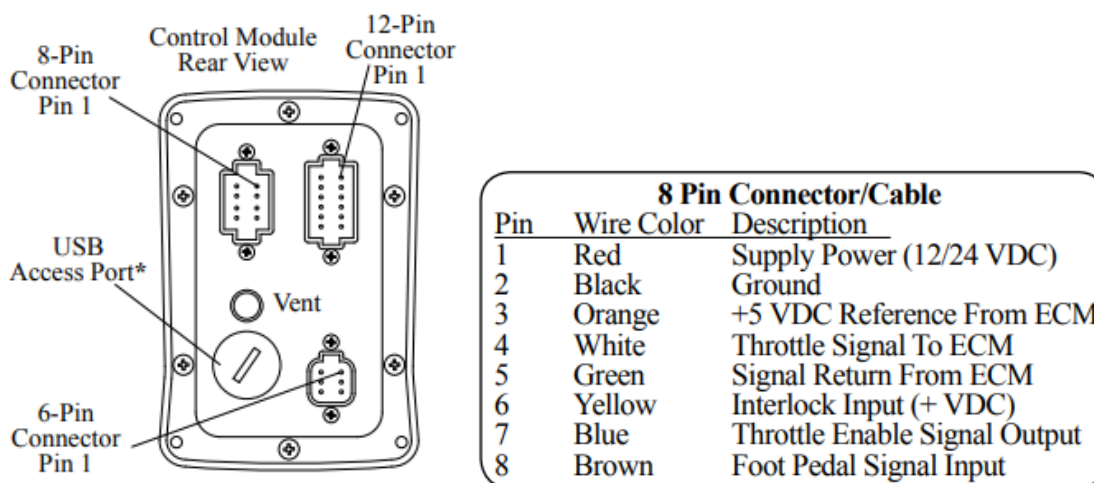


Figure 5.1

- 2) Connect the ground wire from the alarm to Pin 6 on the 12-pin connector on the governor. See figure 5.2

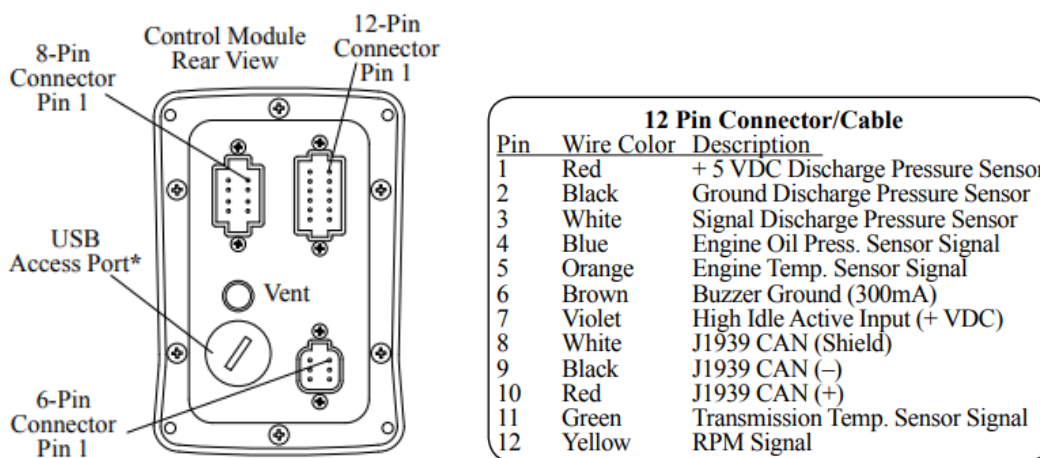


Figure 5.2

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