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**Other Languages:** NONE **Author:** Erik Wass  
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Coding Information

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**Title:** CE Bus Cowl Panel Relay Kit

**Applies To:** CE Bus Relays mounted at the cowl panel/firewall

## **CHANGE LOG**

Please refer to the change log text box below for recent changes to this article:

09/23/2015 - Initial Article Release
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## **DESCRIPTION**

The purpose of this document is to inform the field of a new fuel pump relay kit. part number 2522071C91 should be ordered when replacing a failed relay, located at the cowl panel, on CE Bus. This includes, but is not limited to, the 'Fuel Pump #1' relay for Buses equipped with PSI Generation 1 LP engines.

## **SYMPTOM(s)**

**Diagnostic Trouble Code(s) & Dashboard Indicator Light(s):**

**NOTE: YOU MAY NOT EXPERIENCE ANY FAULTS WITH A BAD OR INTERMITTENT RELAY. POTENTIAL FAULTS LISTED BELOW:**

DTC/Light	Description
SPN 1347 FMI 3	Fuel Pump 1 Circuit Short High
SPN 1347 FMI 4	Fuel Pump 1 Circuit Short Low
SPN 1347 FMI 5	Fuel Pump 1 Circuit Short Open

**Customer Observations or Concerns:**

CEL, hard start, lack of performance, misfiring/stumbling or potential stalling.

## **SPECIAL TOOL(s) / SOFTWARE**


Tool Description	Tool Number	Comments	Instructions
Wire Crimping Pliers	N/A		
Heat Gun	N/A		

## **SERVICE PARTS INFORMATION**

Kit Description	Part Number	Quantity Required	Notes
KIT, FUEL PUMP RELAY, RETROFIT	2522071C91	1	

## **DIAGNOSTIC STEP(s)**

Perform a visual inspection of the relay(s) at the cowl panel, first. Replace w/ part number listed if there are any signs of damage to the relay, terminals or base. If no evidence of damage is found, reference the "PSI 8.8L Propane Gen I Engine Diagnostic Manual" (or relevant manual) for further diagnostic steps.

 <b>WARNING:</b>	<p>To prevent property damage, personal injury, and / or death, park vehicle on a hard, flat surface, turn the engine off, set the parking brake, and install wheel chocks to prevent the vehicle from moving in either direction.</p>
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## **REPAIR STEP(s)**

1. Locate the failed cowl panel relay (i.e. 'Fuel Pump #1')
2. With side cutters, clip all 4 wires at the base of the relay (note the two, red insulated wires differ in gauge)
3. Strip all 4 wires to appropriate length to be received by the pre-crimped butt connectors on the pigtail of the new relay
4. Slide a piece of heat shrink tubing supplied in the kit, over each wire, prior to crimping any connections
4. Note the COLOR AND GAUGE of each wire and match the existing chassis wires (clipped in step 2) to the new relay pigtail wires. Crimp the connections tightly.
5. Slide heat shrink tubing over each crimp connection and shrink via heat gun
6. Mount new relay to panel and verify engine operation
7. Repair complete

## **WARRANTY INFORMATION**

### Warranty Claim Coding:

<b>Group:</b>	15000 - Fuel System
<b>Noun:</b>	918 - Harness Chassis (Wires Connectors and Terminals)

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**Standard Repair Time(s):**

Refer to the [SRT Manual](#) for Repair Times

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**OTHER RESOURCES**

[Master Service Information Site](#)

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