 <b>BC Ambulance Service</b> BC Emergency Health Services	<b>Power Inverter Diode Installation</b>	November 21, 2016 Page 1 of 3
<b>AMBULANCE TYPE:</b>	Demers Chevrolet Ambulances	
<b>UNITS AFFECTED:</b>	63300-63349, 63360-63369, 63400-63457	

**ISSUE:** GM Recall “42230 Shortened Powered Accessory Availability” reprograms the vehicle’s PCM and BCM for the alternator to produce more voltage. This higher voltage causes the ambulance power inverter to produce an “Over Voltage” trouble code, causing the power inverter to stop working.

**ACTION:** Install a diode in the Power Inverter switch/sensor circuit.

**LABOUR TIME:** Bill to BC Ambulance .2 HRS

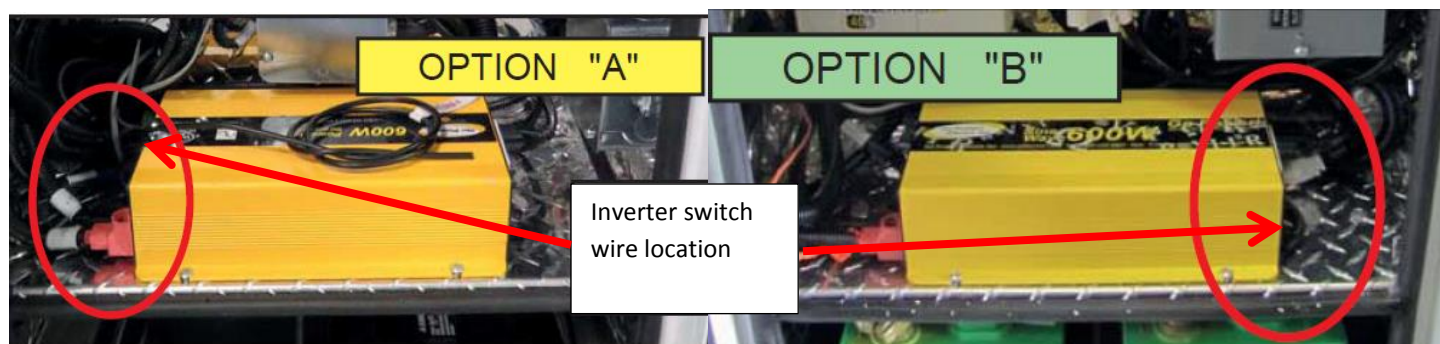
**LABOUR CODE: CMOID**

Use the above labour code on the invoice to identify this procedure has been completed.

#### **SERVICE PROCEDURE:**

Follow the picture instructions below. Be sure to read the complete instructions before performing the modification.

Identify if the inverter you are working on is an option A or B.



Follow the corresponding instructions below for the affected option.



BC Ambulance Service  
BC Emergency Health Services

## Power Inverter Diode Installation

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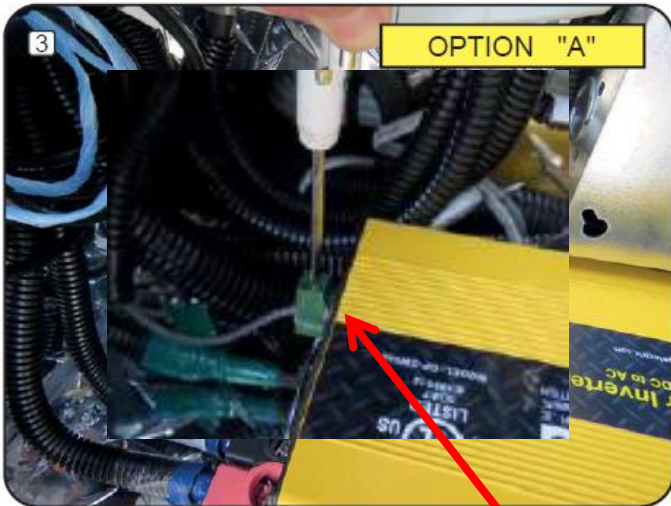
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AMBULANCE TYPE:

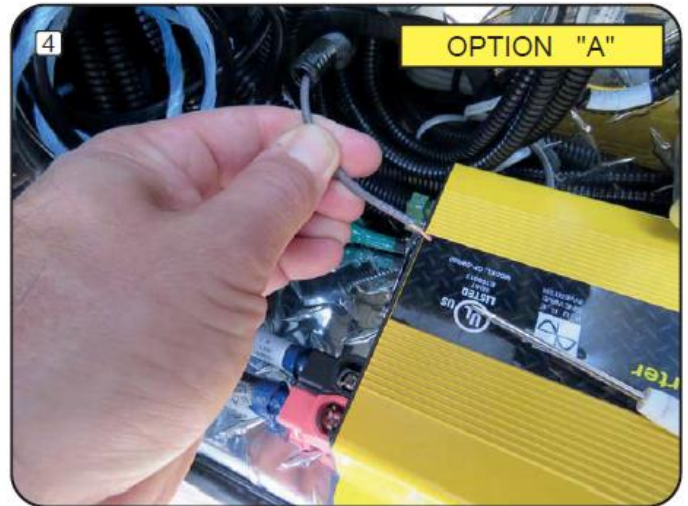
Demers Chevrolet Ambulances

UNITS AFFECTED:

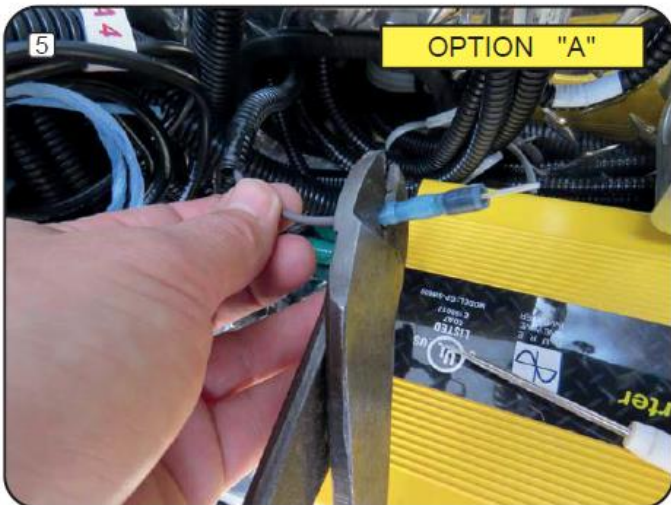
63300-63349, 63360-63369, 63400-63457



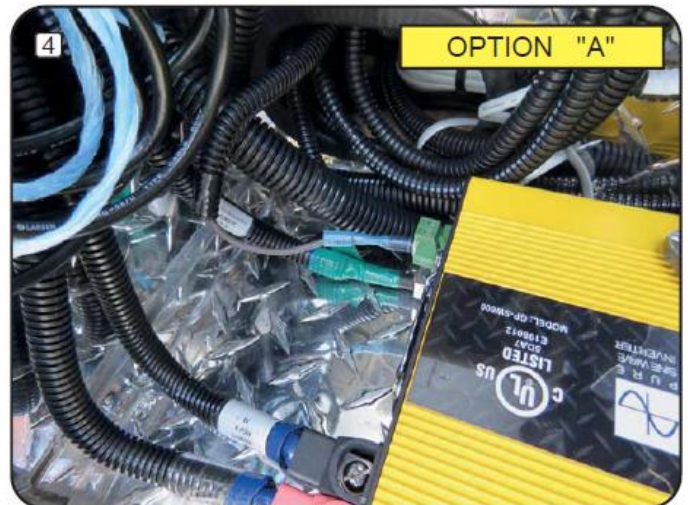
Use a screwdriver to remove wire.



Remove wire.



Crimp and heat shrink diode assembly.



Reinstall wire in connector.

Contact Fleet Operations for any questions or concerns  
BC Ambulance Service, Fleet Operations  
Block C, 2261 Keating X Road

1 877 652-7465  
Fax: 250 952-0275

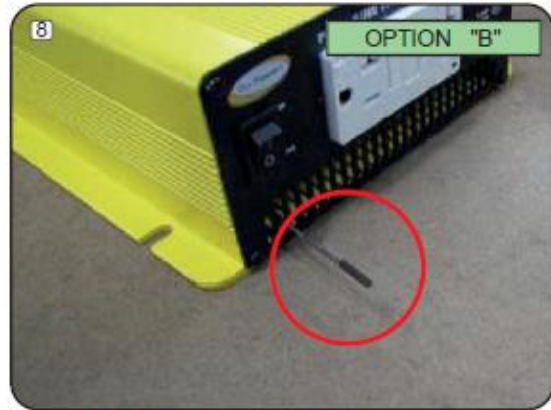




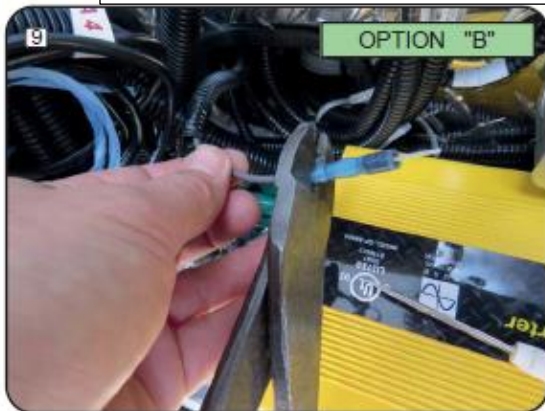
## Power Inverter Diode Installation

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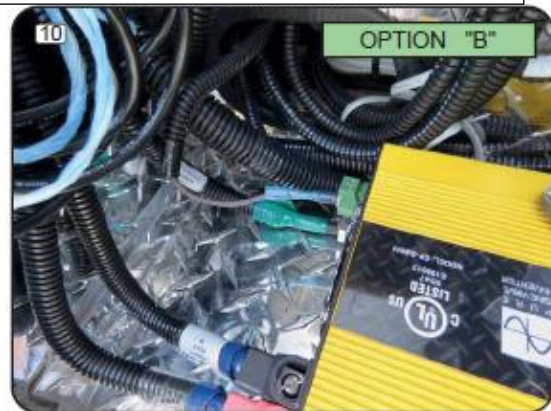
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- 1) Locate switching wire entering inverter. 2) Cut switching wire and insulate inverter end.
- 3) Re-route harness wire to opposite end of inverter.



Crimp and heat shrink diode assembly.



Install wire in connector.  
See below schematic.

