	<b>ESPAR HEATER MODIFICATION INFORMATION BULLETIN</b>	<b>UP 054 REV 1 2010-04-01</b>
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AMBULANCE TYPE:      MX151D 2009

## ISSUE

This bulletin is to inform owners of Demers Ambulances that a modification of the Espar heater activation is required as per BCAS request. The Espar heater should only work when the engine is running.

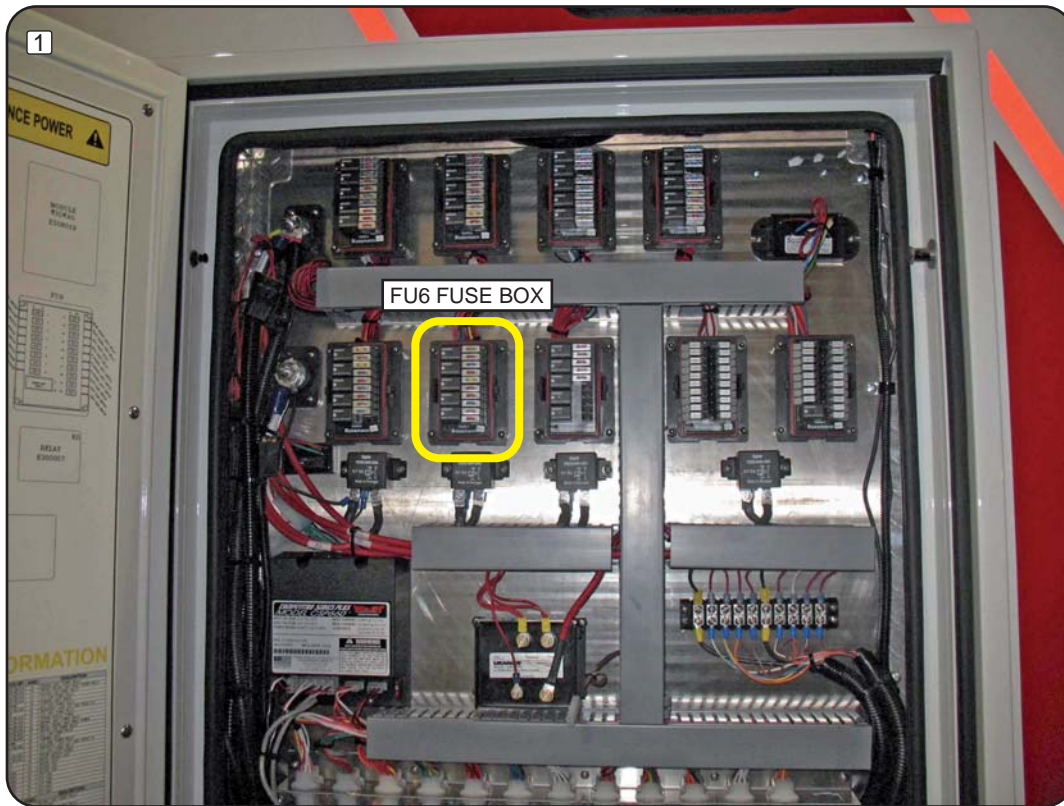
## ACTION

Perform the modification as per the attached documentation. The modification can be performed during any scheduled 'A' Service Safety Inspection.

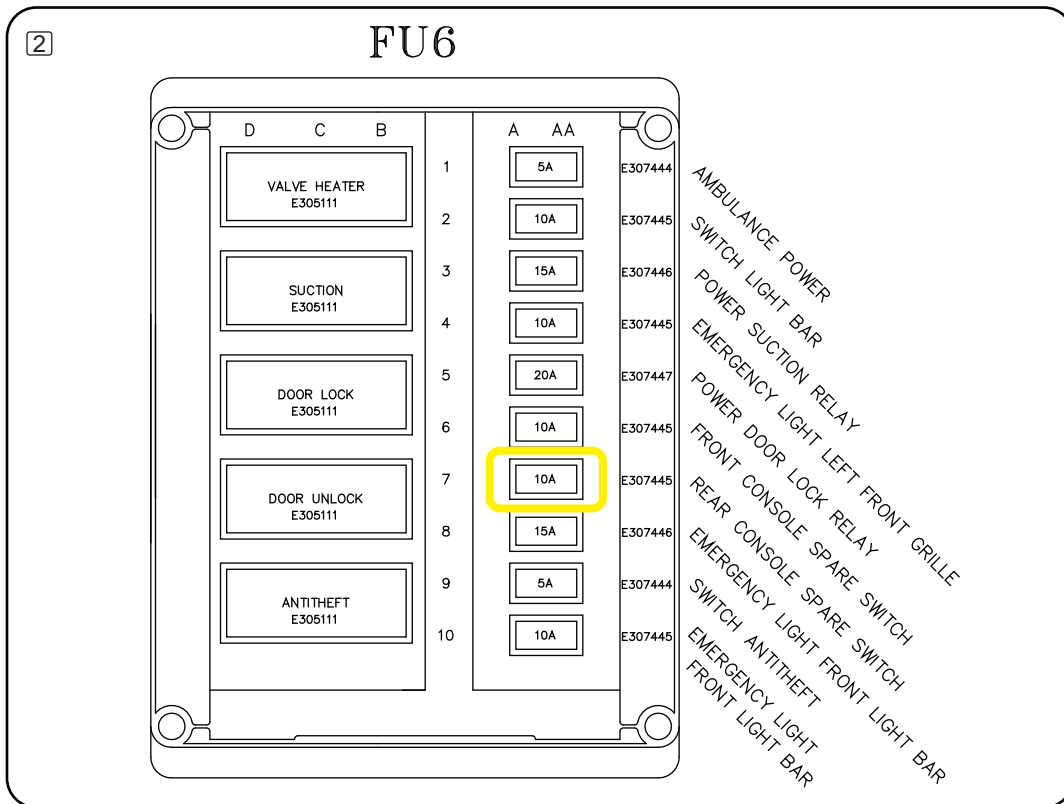
## SERVICE PROCEDURE

Modification time: 0.5 hour / per vehicle.

Qty.	Description
1	ESPAR WIRE



BEFORE PROCESSING MODIFICATION, LOCATE THE FUSE BOX FU6 IN ELECTRICAL PANEL.



LOCATE AND REMOVE THE 10 AMP FUSE IN POSITION 7 OF THE FU6 FUSE BOX.

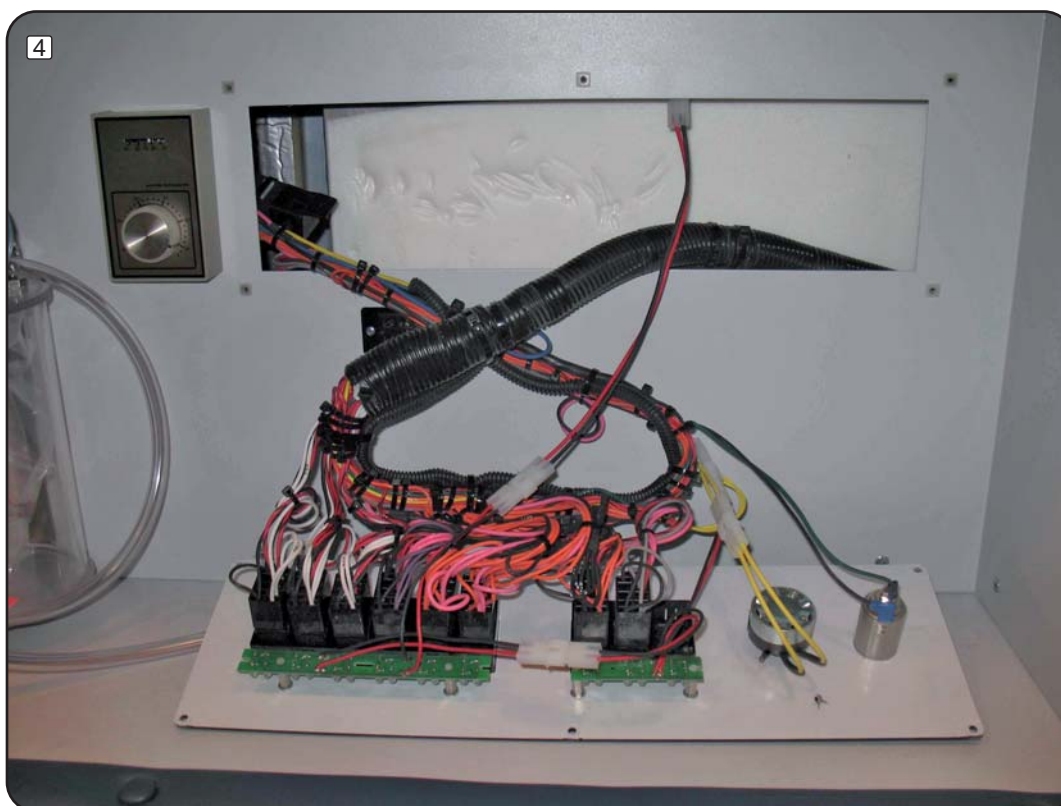
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TO REMOVE THE CONSOLE PANEL, LOCATE AND UNSCREW THE SIX (6) SCREWS AS SHOWN.



REMOVE THE REAR CONSOLE TO HAVE ACCESS TO THE HEATER SWITCH AND RELAY.

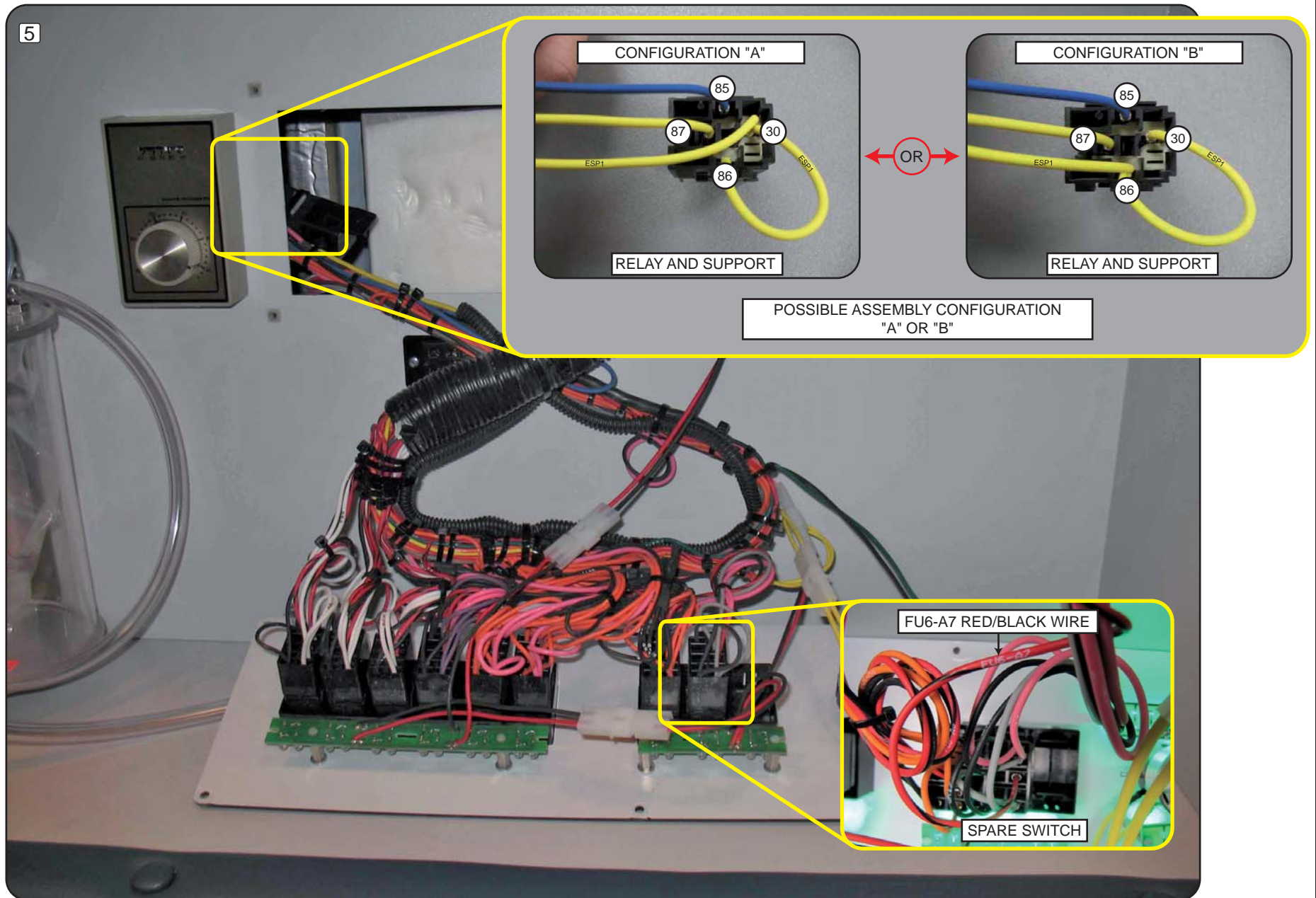
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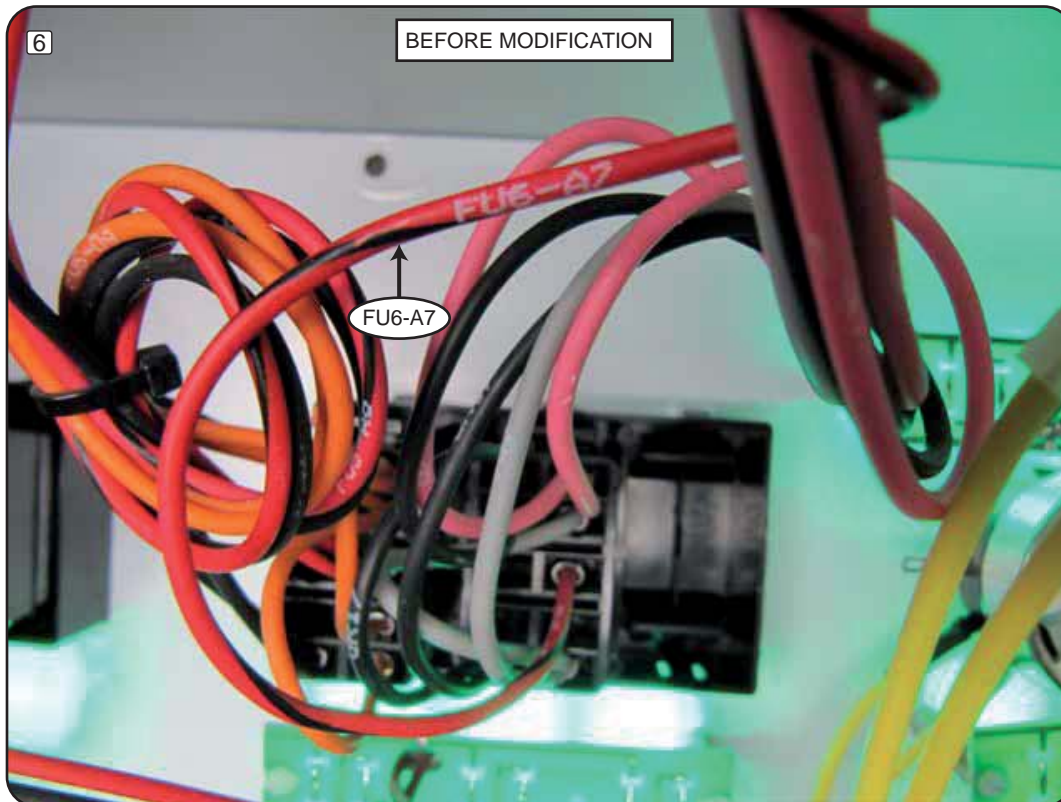
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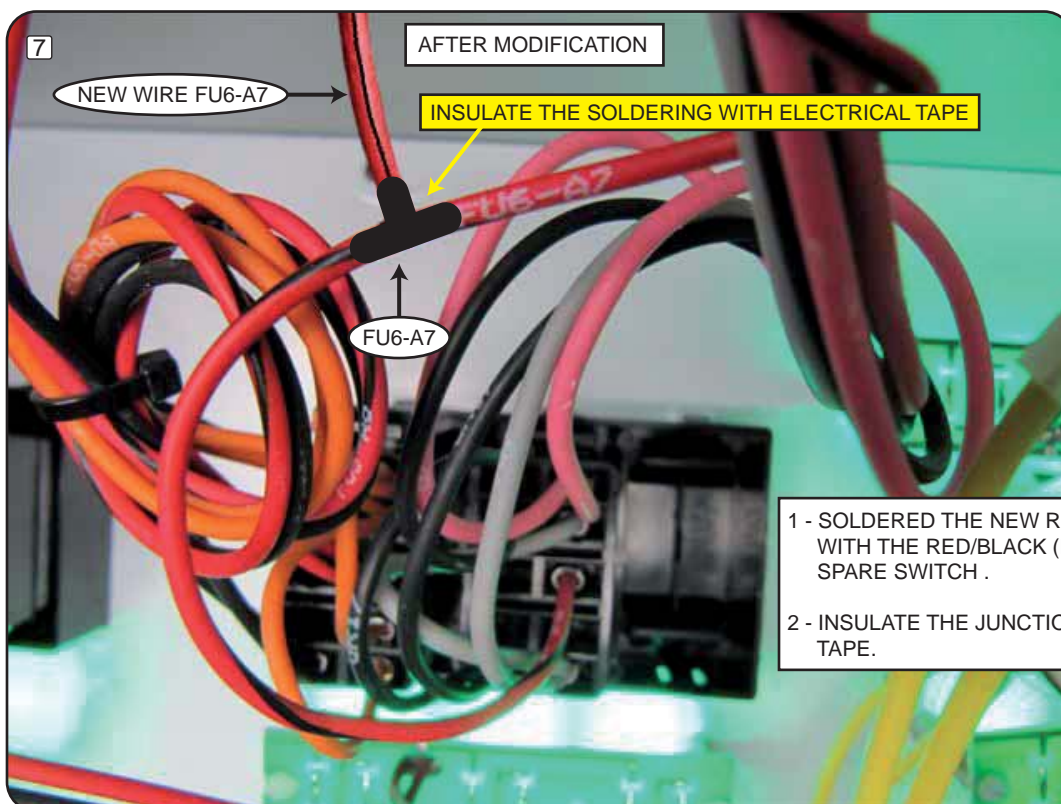
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LOCATE THE RED-BLACK WIRE (FU6-A7) FROM THE SPARE SWITCH.



- 1 - SOLDERED THE NEW RED/BLACK (FU6-A7) WITH THE RED/BLACK (FU6-A7) FROM SPARE SWITCH .
- 2 - INSULATE THE JUNCTION WITH ELECTRICAL TAPE.

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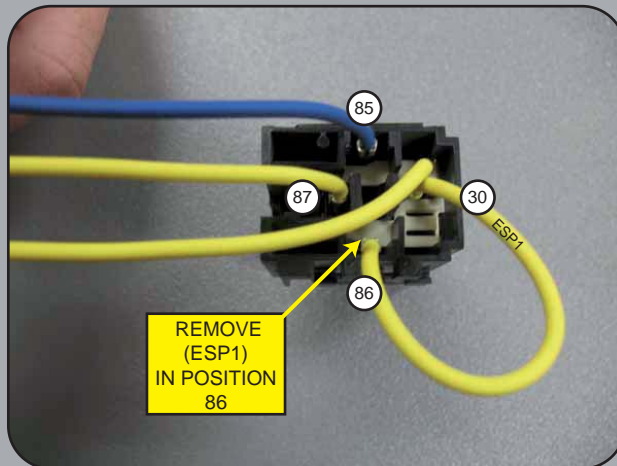


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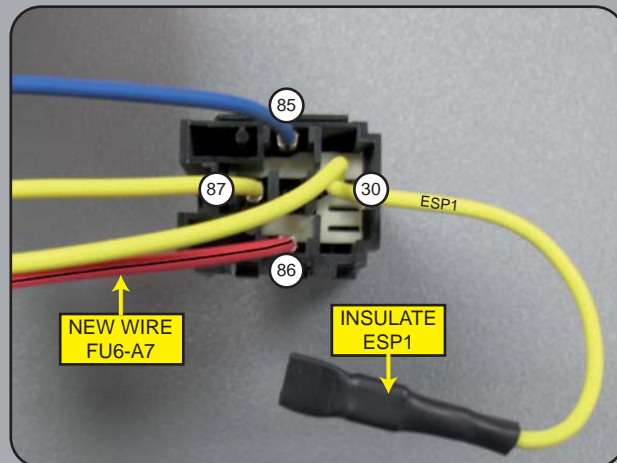
## CONFIGURATION "A"

BEFORE MODIFICATION



LOCATE AND REMOVE THE YELLOW WIRE (ESP1) IN POSITION 86 FROM THE RELAY SUPPORT.

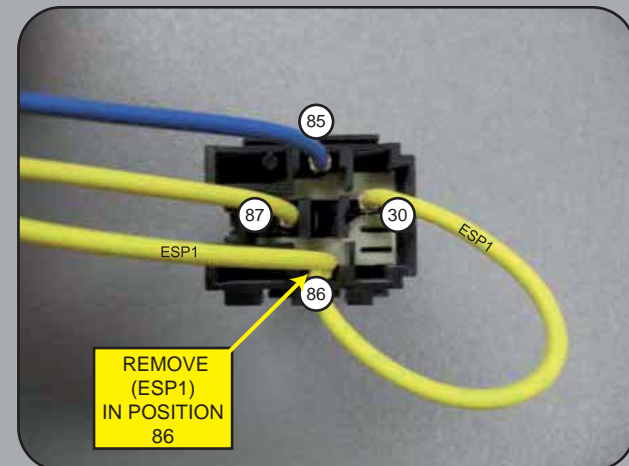
AFTER MODIFICATION



- 1 - ISOLATE AND INSULATE THE YELLOW WIRE TERMINAL (ESP1) WITH HEAT SHRINK TUBING.
- 2 - CONNECT THE NEW RED/BLACK WIRE (FU6-A7) IN POSITION 86 OF THE RELAY SUPPORT.

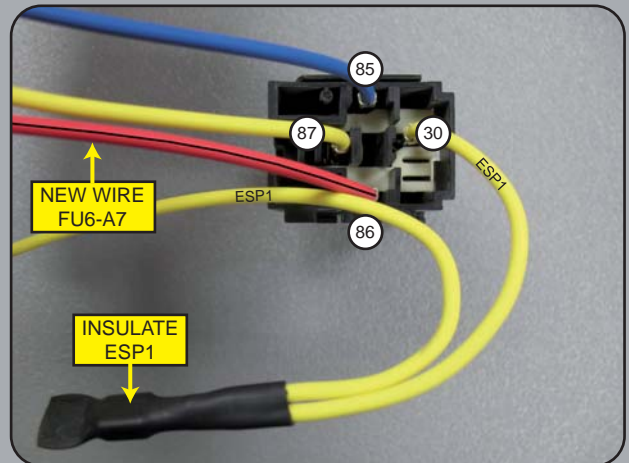
## CONFIGURATION "B"

BEFORE MODIFICATION



LOCATE AND REMOVE THE YELLOW WIRE (ESP1) IN POSITION 86 FROM THE RELAY SUPPORT.

AFTER MODIFICATION



- 1 - ISOLATE AND INSULATE THE YELLOW WIRE TERMINAL (ESP1) WITH HEAT SHRINK TUBING.
- 2 - CONNECT THE NEW RED/BLACK WIRE (FU6-A7) IN POSITION 86 OF THE RELAY SUPPORT.

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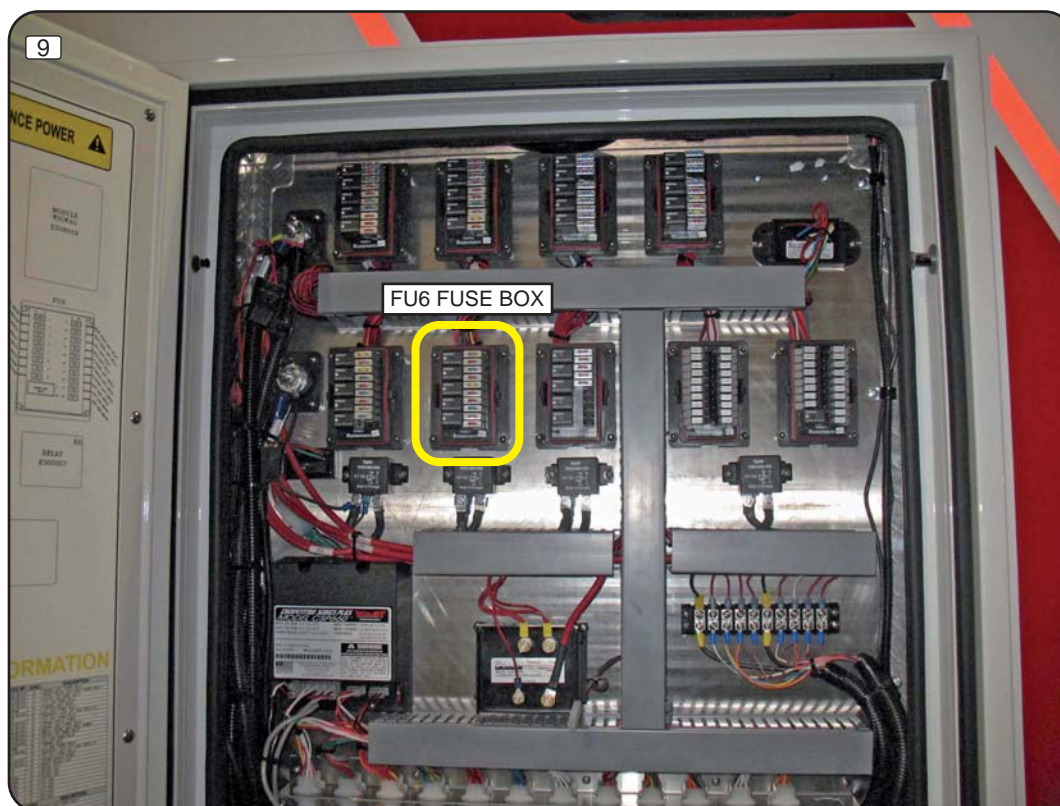
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REINSTALL THE CONSOLE PANEL.



REINSTALL THE 10 AMP FUSE IN THE FU6 FUSE BOX.

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