

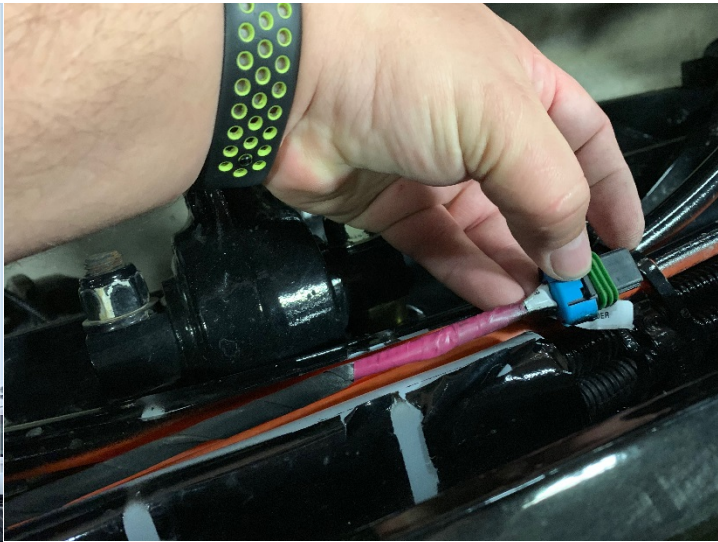
# Peterbilt 520 harness install



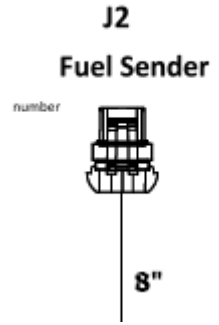
1) We need to find the fuel sender connector in the chassis frame and pull it back to the connection on the chassis harness MP92-1021



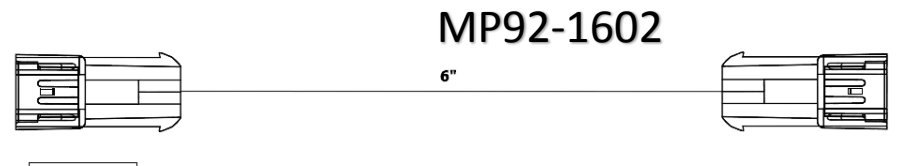
Fuel sender connector is in this location.  
It could be right at the front rear tandem or around the cross member in front of the tandem axels.



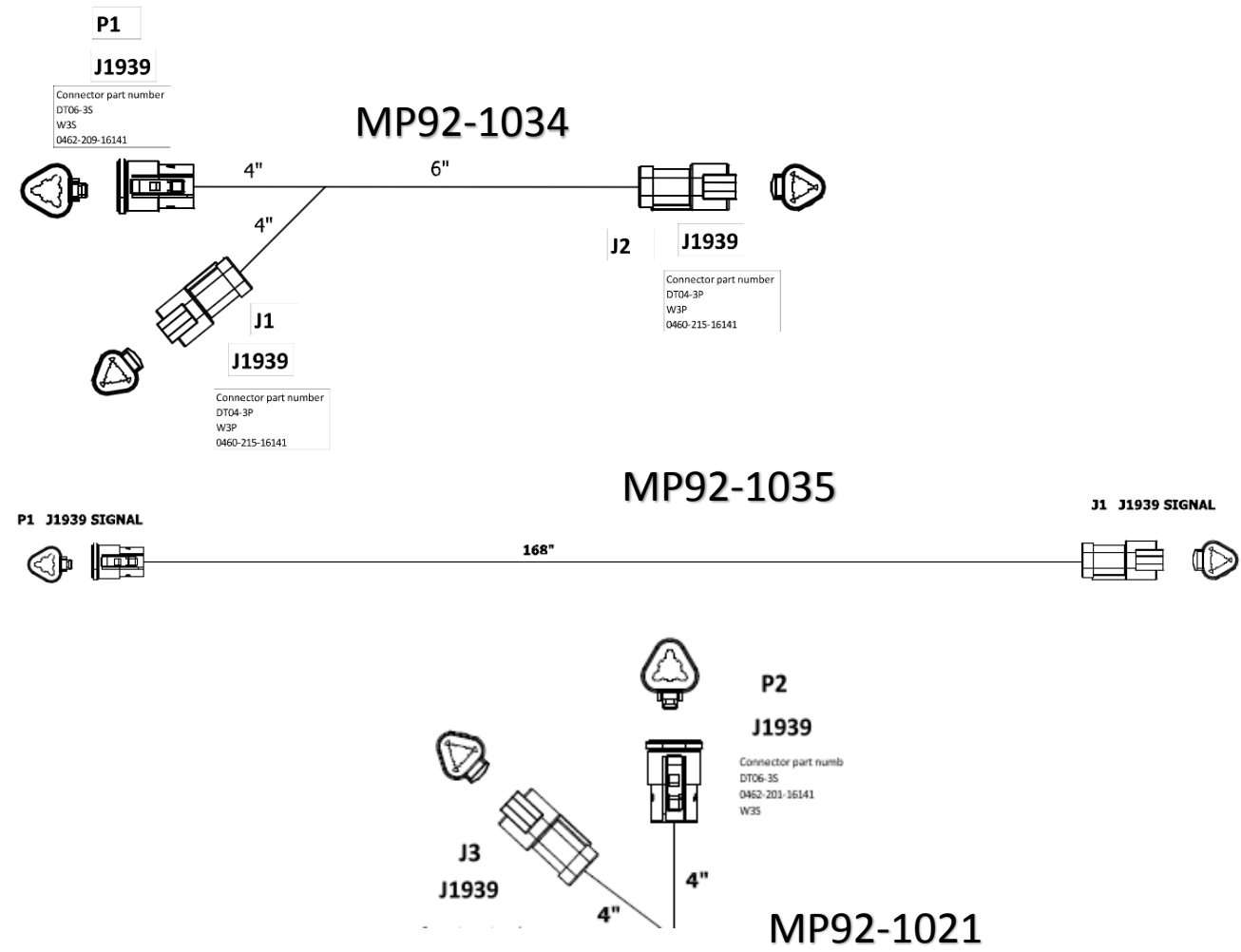
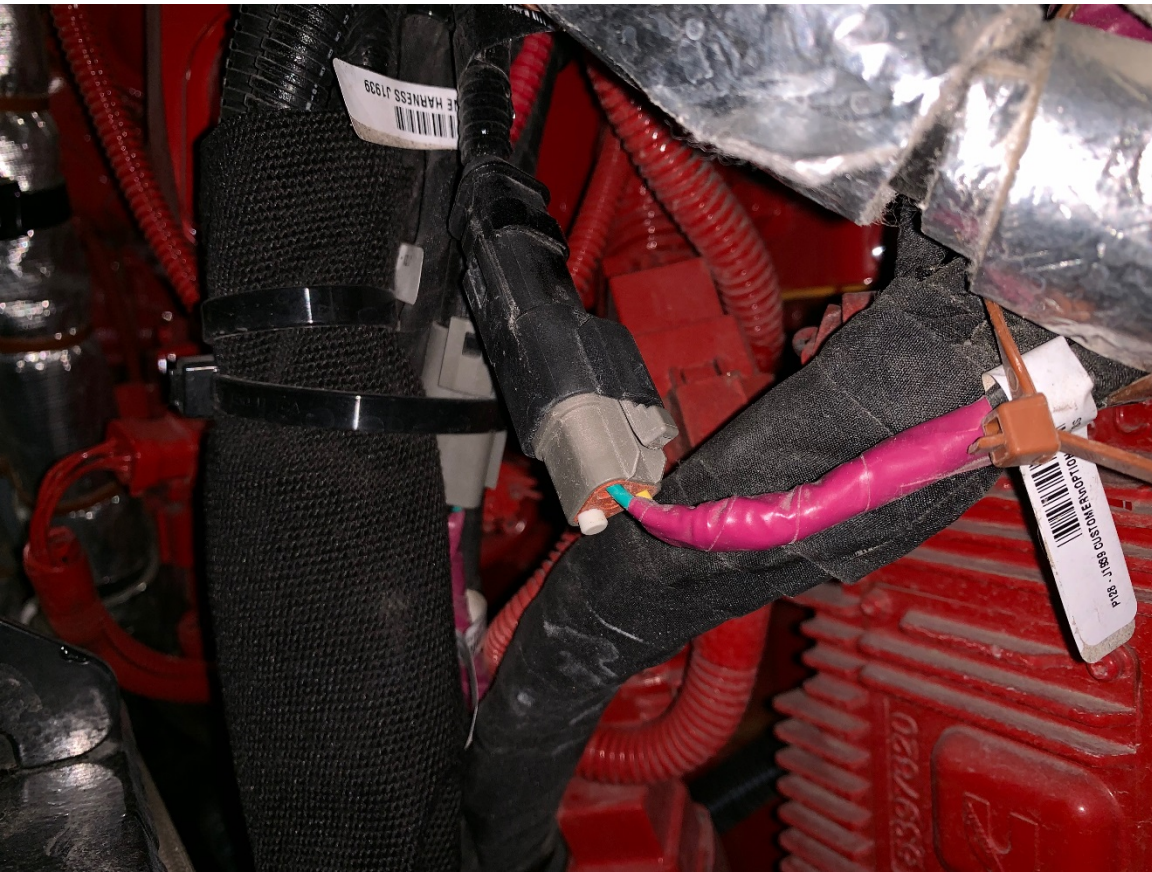
It will look like this



It will plug in to this connector on the chassis harness with a jumper harness MP92-1602



2) You will run the harness towards the front of the truck. While running the harness (if you have a Digital Gauge Kit) you will use the MP92-1034 at the engine connection shown below. Connect P1 and J1 to the engine customer option J1939. J2 will plug in to the chassis harness connector P2. on the chassis harness J3 will connect to the extension harness MP92-1035 connection P1. This harness will run with the main chassis harness in to the cab on the left hand side. You will want as much harness as possible to go to the front.

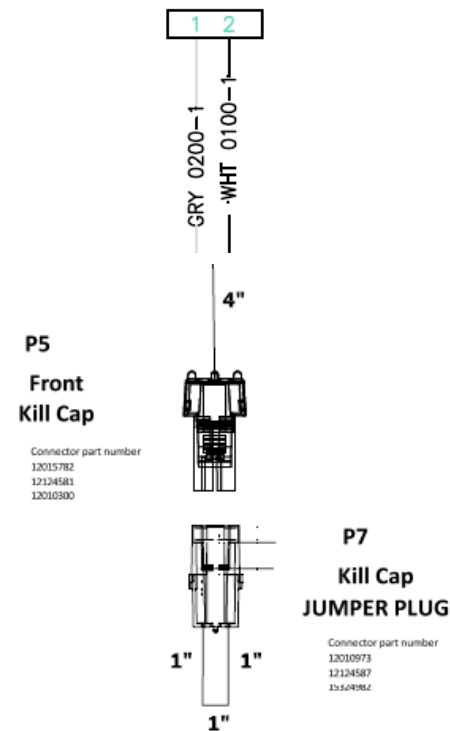


3) If you have a bumper fill, you will need to run the bumper fill harness. On the chassis harness there is connector P5 Front Kill Cap which will be used for the bumper fill. Remove the P7 plug from the chassis harness and in the kit it should have a white wire and a gray wire to make the jumper harness to the length you need it to fit. On the chassis side of the connection it will be pin 1 will be gray and pin 2 will be white. The terminals and connector are in the kit. When you have it cut to desired length, the other end will be deutch pin terminals. Crimp them to the wire and place the gray wire on pin 2 and the white wire on pin 1. Make sure you add the secondary lock to the connector. That will connect to the bumper fill side. Once that is done run the rest of the wires in to the cab on the left hand side of the cab threw the bulkhead ( where all the air lines run in).

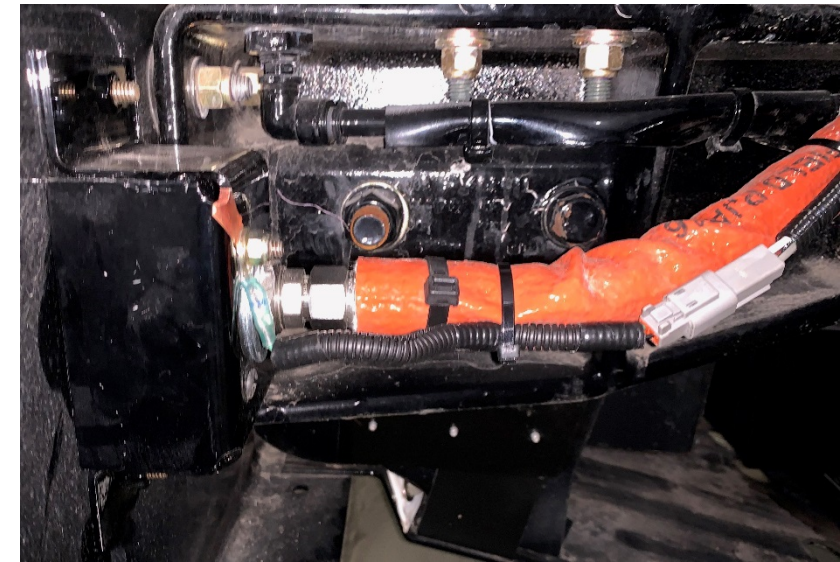
Chassis harness side  
MP92-1021



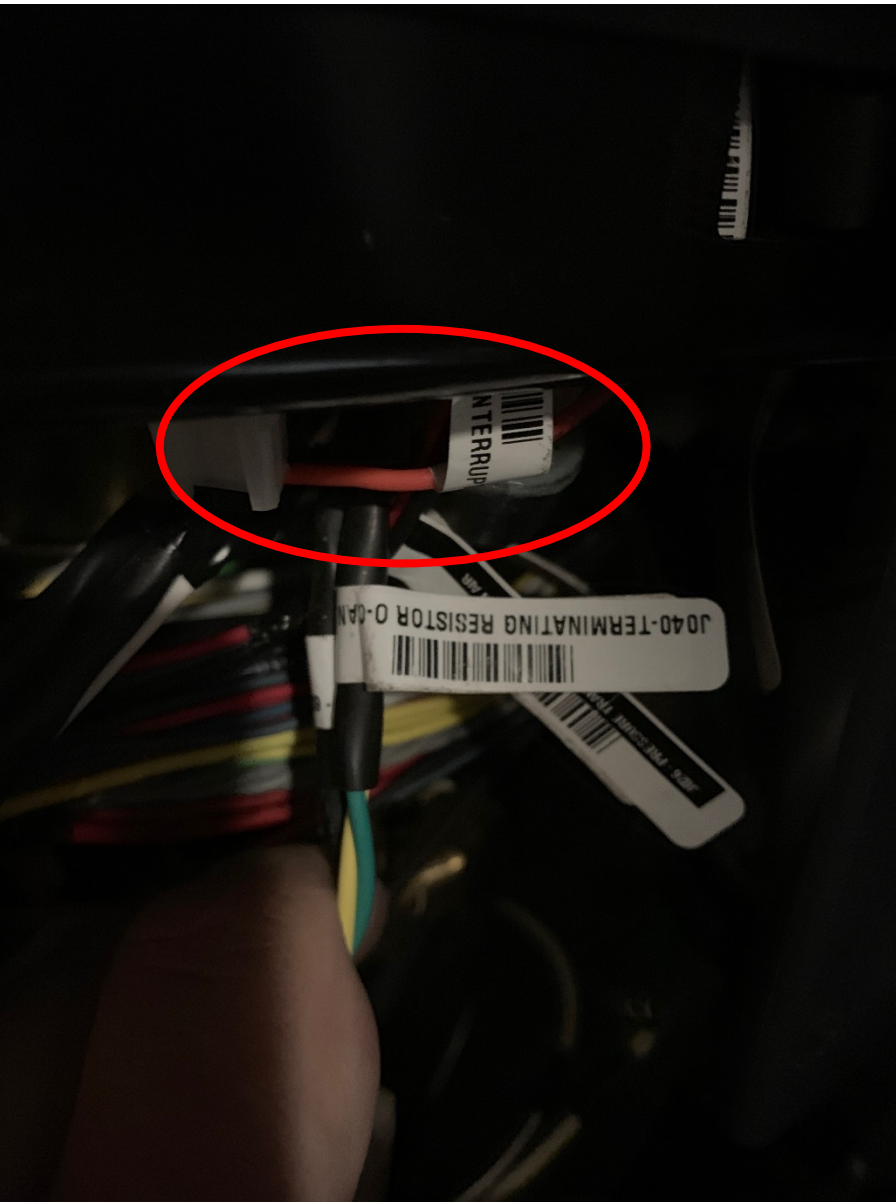
J4: FRT KILL CAP



Bumper fill side  
MP92-1021



4) You will need to remove the kick panels to get to the wires that you pushed through the bulk head. Now you will need to locate the start interrupt connection. Typically it is right behind the steering column, it will be an orange and gray wire connected together. There you will plug in P1 and J1 in to those 2 wires.

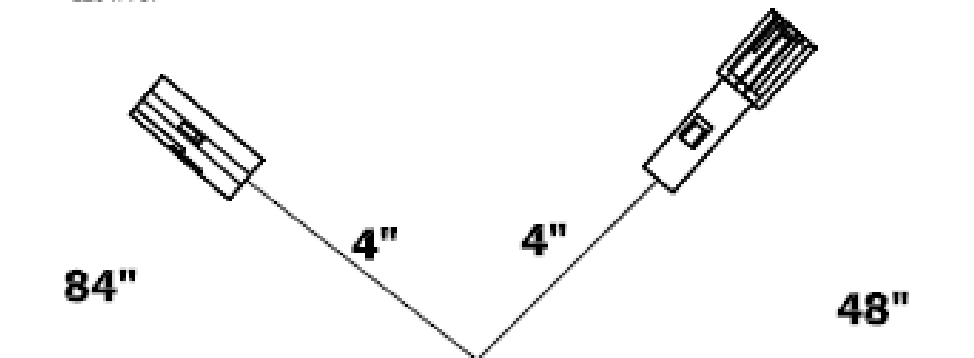


**P1**  
**Start**  
**Interrupt**  
**Starter Side**

Connector part number  
12047682  
12047767

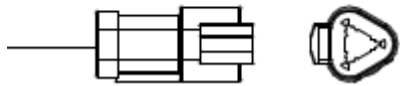
**J1**  
**Start**  
**Interrupt**  
**Switch Side**

Connector part number  
12047603  
12047581



5) You will need to run MP92-1035 up to the gauge cluster for the fuel gauge install. You will remove the factory fuel gauge and install the momentum fuel gauge in its place. You will also have another harness MP92-1031 that will plug in to the gauge. On the MP92-1035 connector J1 will plug in to connector P1 on MP92-1031. The rest of the of the wires will run with the rest of MP92-1021 to the “Dog House”.

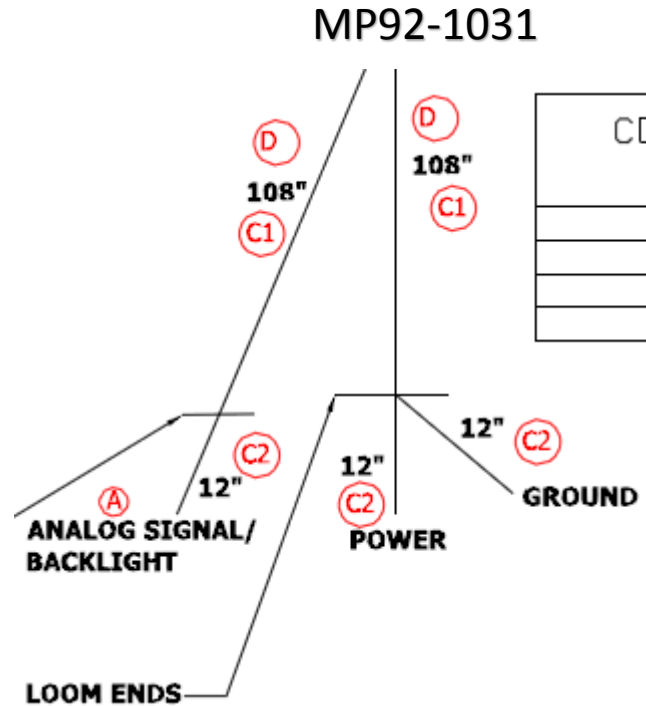
MP92-1035  
J1 J1939 SIGNAL



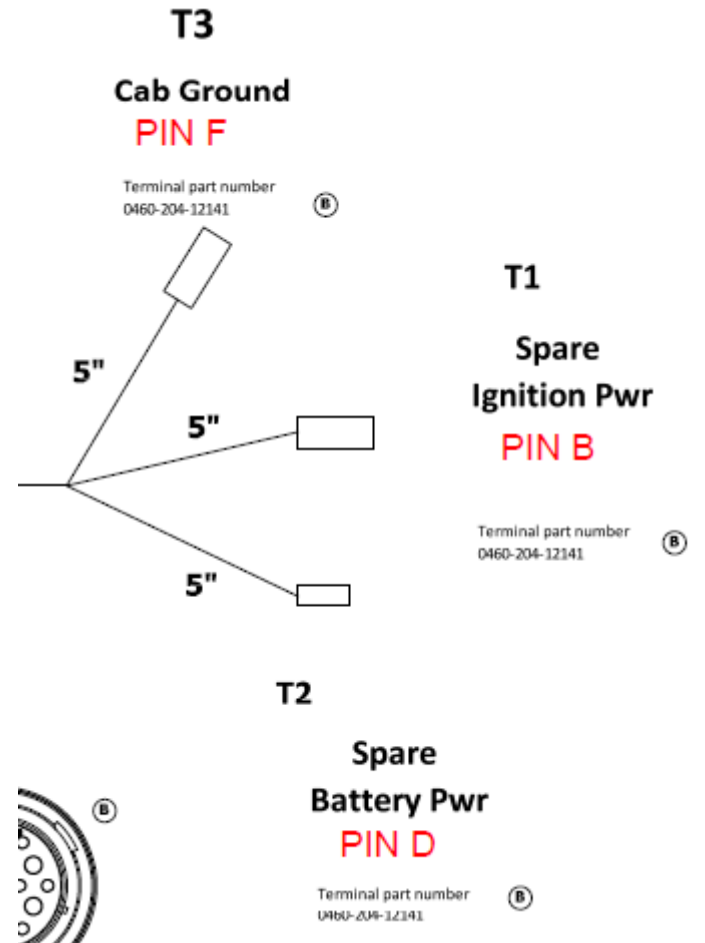
MP92-1031  
P1 J1939 SIGNAL



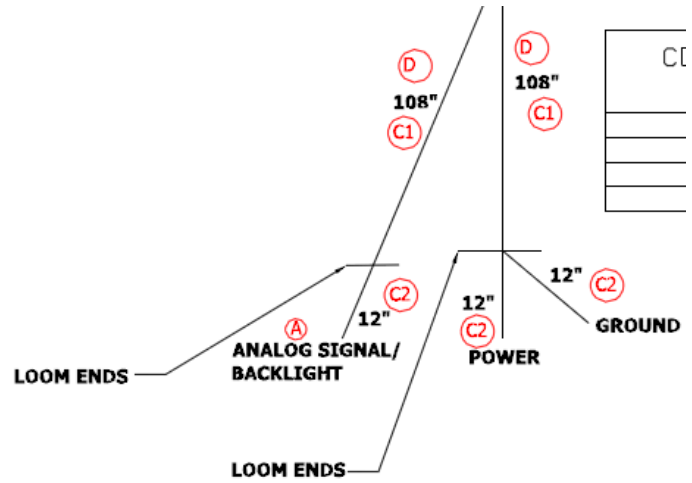
“Dog House”



MP92-1021



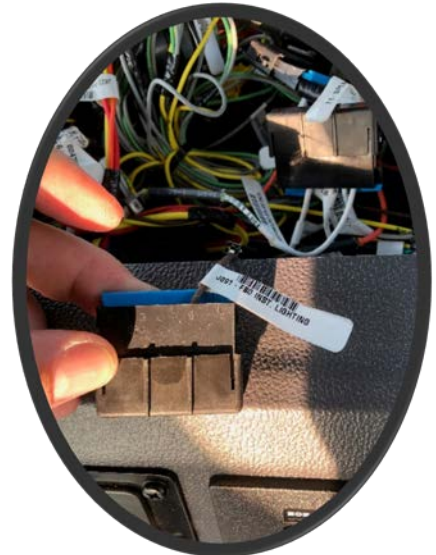
6) Now you will connect the power, ground, and backlight for the fuel gauge. It is found under the "Dog House". Harness MP92-1031 will connect to each location.



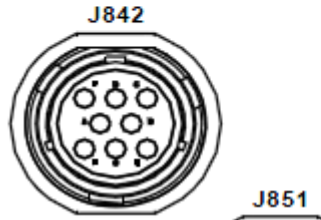
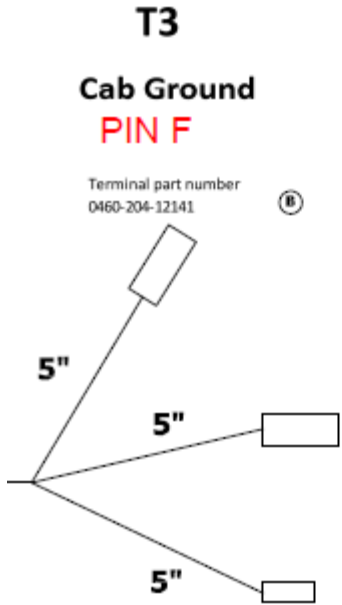
Ground

Switch Power

Backlight



7) You will now need to connect the MP92-1021 Power, Switch power, and Ground to the body builder connection in the “Dog House”. From there you should be finished with the install of the harnesses.



CONNECTOR INFO: J842	
PART NUMBER:	P20-6389-0810
CAVITIES:	8
LABEL:	BODY BUILDER CONNECTION 1
LABEL COLOR:	WHITE
VAR:	BASE

TERMINAL INFO: J842		
CAVITY	CIRCUIT NO.	PLT
A	RED0714-1	NI
B	RED0711-1	NI
C	RED0751-1	NI
D	RED_WHT3111-0	NI
E	YEL2960-0	NI
F	WHT0711-1	NI
G	WHT0712-1	NI
H	WHT0713-1	NI

