Pantera Electronics Gauge Connect System

This installation manual is for Pantera Electronics Gauge Connect System or GCS.

1. Disconnect the negative battery cable.

2. Remove 3 screws that retain console plate with gauges and rocker switches.

3. Disconnect the ammeter cables, note which wire was on the stud. The ammeter has a polarity.

4. Disconnect all of the wire harness for the gauges and unplug the wire harness from the main harness. This is a RED connector.

Console factory wire color convention:
Pink (no stripe) is +12V battery voltage, power for gauges except the ammeter.

Black is ground.

Yellow/Black (stripe) is power from dimmer for gauge lights.

Orange is power from #3 fuse to dimmer control.

Yellow (no stripe) is indicator for "Low Fuel" from fuel sender.

White/Black (stripe) is signal from fuel level sender for fuel level gauge.

Red/Black (stripe) is signal from temperature sender.

Pink/Black (stripe) is signal from oil pressure sender.

The Pantera-Electronics wires are not striped with a black line, therefore pay close attention to where the wire is on the board and the label for that wire. The labels are at each wire at the top of the board.

5. Use the wire ties provided to mount the GCS board to the studs that retain the gauges. There are pairs of holes for the type of console plate, metal or plastic. Generally 1971 and 1972 console plates were metal and 1973 and 1974 were made of plastic. There were many 1973 Panteras with 1972 dash and console plates.

There are arrows pointing at the holes for correct mounting on metal or plastic plates. Slide the wire ties through the holes and wrap around the stud. Tighten and trim the end off.

6. Connect the wires to the gauges per the pictures.

7. Connecting the dimmer control wires.

Note: 1971 and 1972 Panteras will have the dimmer wires located in the gauge harness.
1973 and 1974 Panteras will have the dimmer control wires emerging from the main wire harness.

(1971/72) - If the factory dimmer control wires were located in the factory original *gauge harness* then use the new dimmer wires from the GCS to connect to the dimmer control.
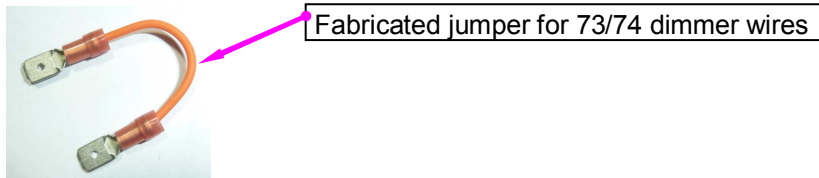
(1973/74) - If the factory dimmer control wires are emerging from the main wire harness leave them connected to the dimmer as factory.
Do not use the new dimmer control wires from the GCS located in the gauge harness connector. *These wires must be connected together for the dimmer to operate*

The wire terminals can be cut off and the wires connected together or fabricate a a short wire with male terminals on each end that can be used as a jumper.
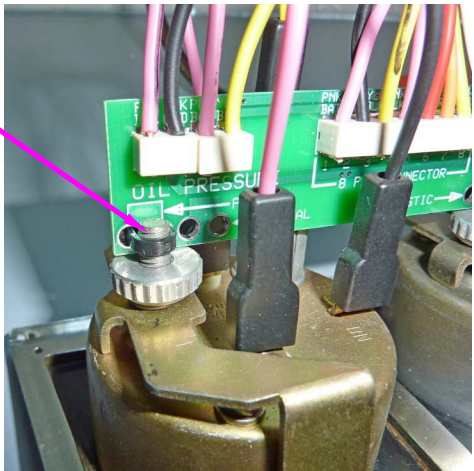
8. Connect the 8 pin connector from the GCS to the main wire harness.

9. Re-connect the ammeter, make sure the proper cable is on each stud.

10. Re-connect the negative battery cable.

11. Turn "ON" the ignition switch and check the green power indicator on the GCS board to make sure it is illuminated.

12. Observe the gauges when operating the Pantera to see if the gauge readings are correct.

13. Turn "ON" the parking lights check if the gauge lights are "ON" as well.

14. Rotate the dimmer control to test it operates correctly.

Note if the dimmer does not function properly it can be due to the dimmer needing restoration.
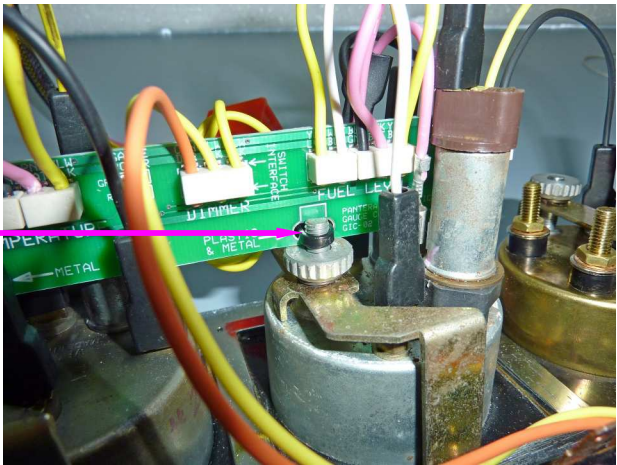Pantera-Electronics provides a service to restore dimmer controls.
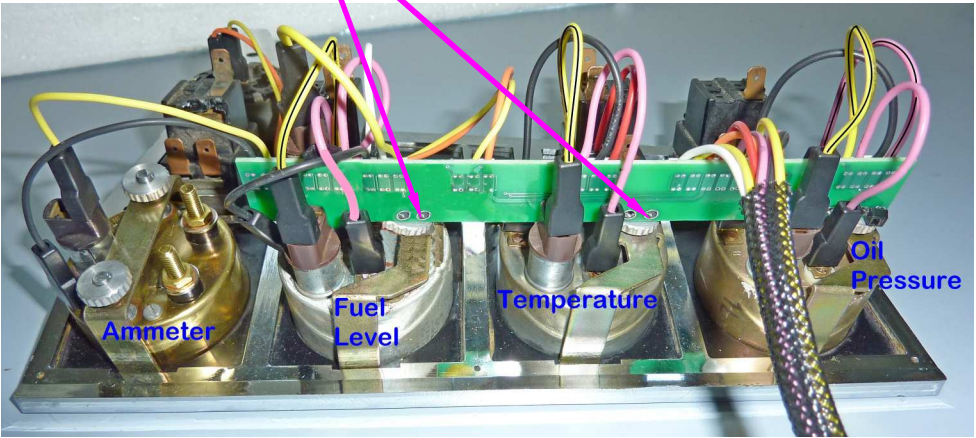

Fabricated jumper for 73/74 dimmer wires

This is a plastic console plate, note that the pair of mounting holes are for 73/74.

It's best to use the pairs of mounting holes on the far ends of the board.
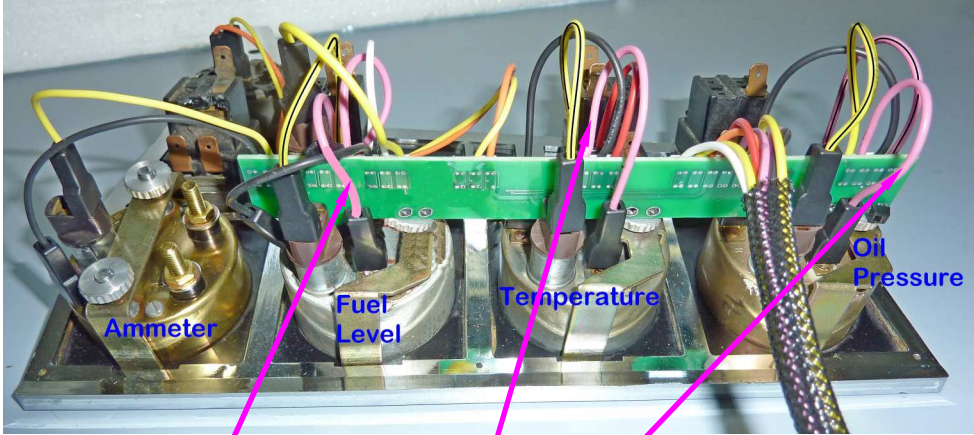

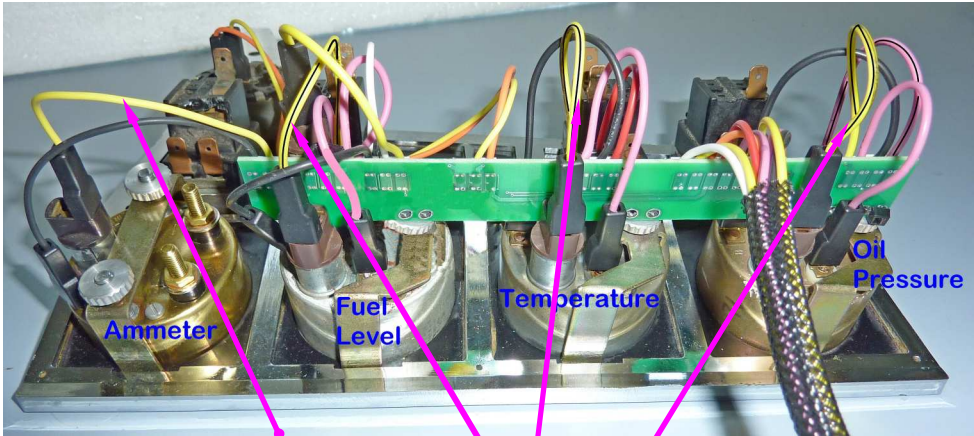Some pairs of mounting holes are used mutually.

2 pairs of holes is enough to mount the board but there are additional pairs of holes that can be used.

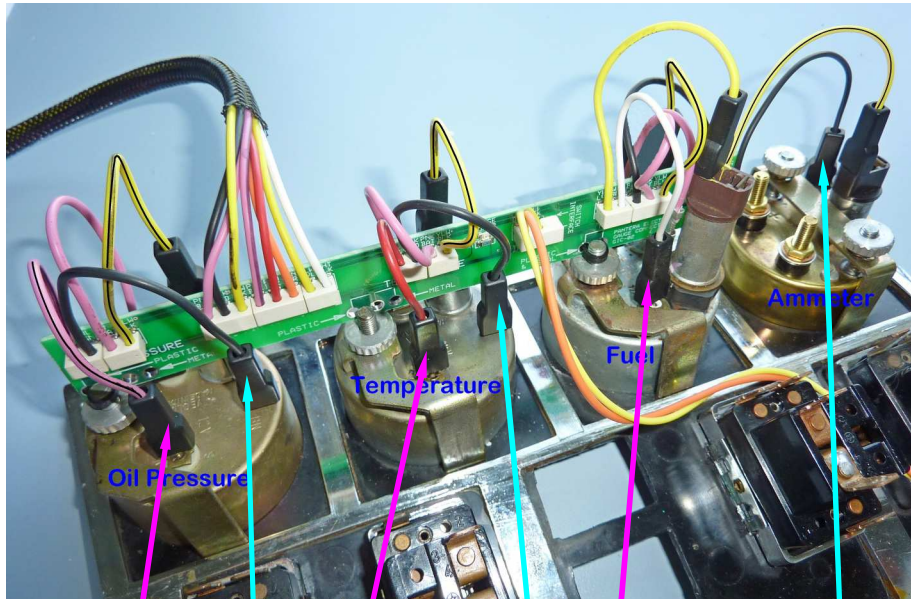Connections from Gauge Connect System to Gauges

Ammeter
Fuel Level
Temperature
Oil Pressure

Pink (no stripe) +12V battery voltage, power for gauges

Ammeter
Fuel Level
Temperature
Oil Pressure

Yellow/Black (stripe) power from dimmer for gauge lights.

Connections from Gauge Connect System to Gauges Continued

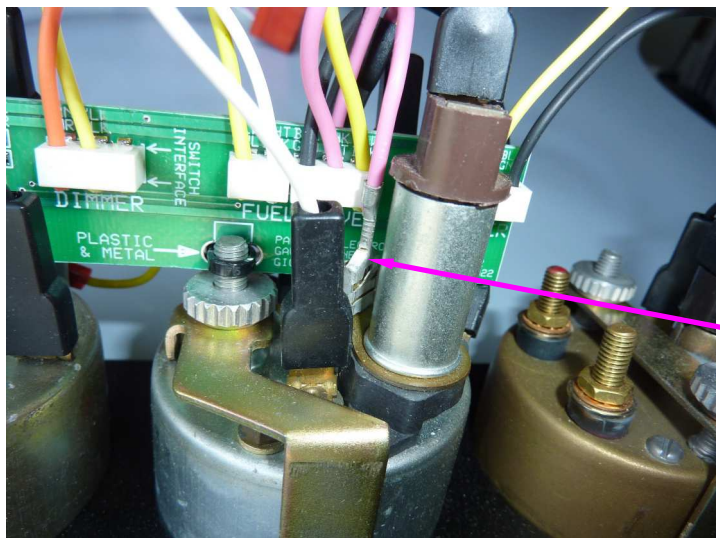Oil Pressure

Temperature

Fuel

Ammeter

Pink/Black (stripe)

Signal from oil pressure sender

Red/Black (stripe)

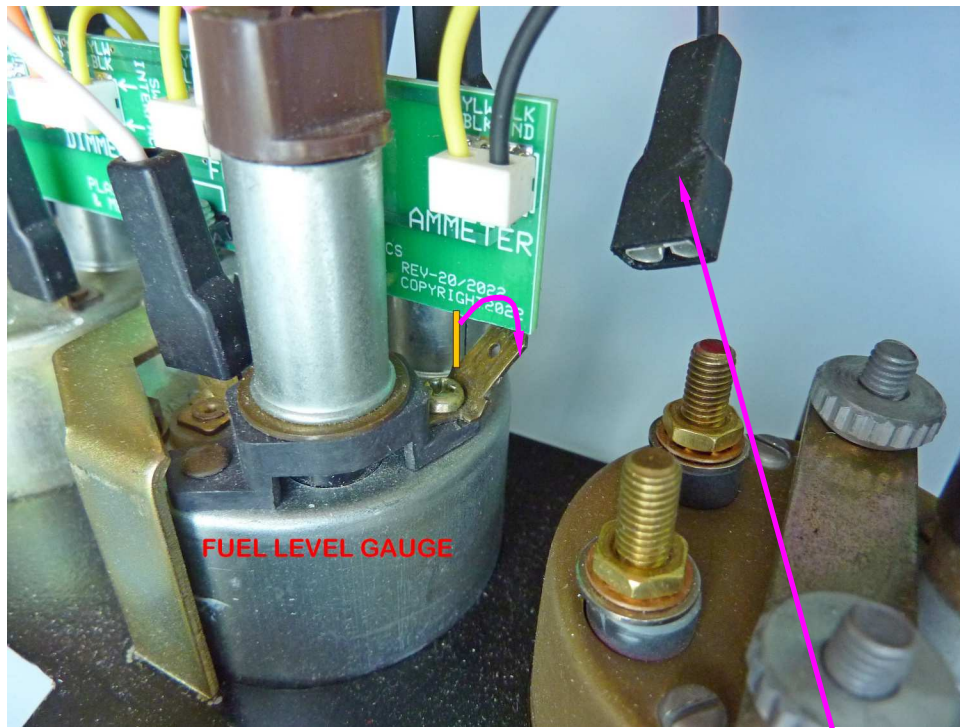Signal from temperature sender

White/Black (stripe)

Signal from fuel sender for fuel level

Black is ground

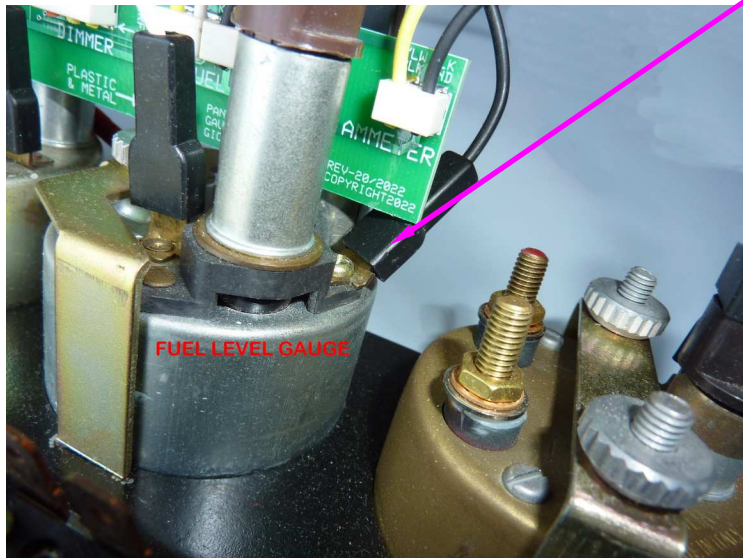Pink (no stripe) +12V power for "Low Fuel" indicator

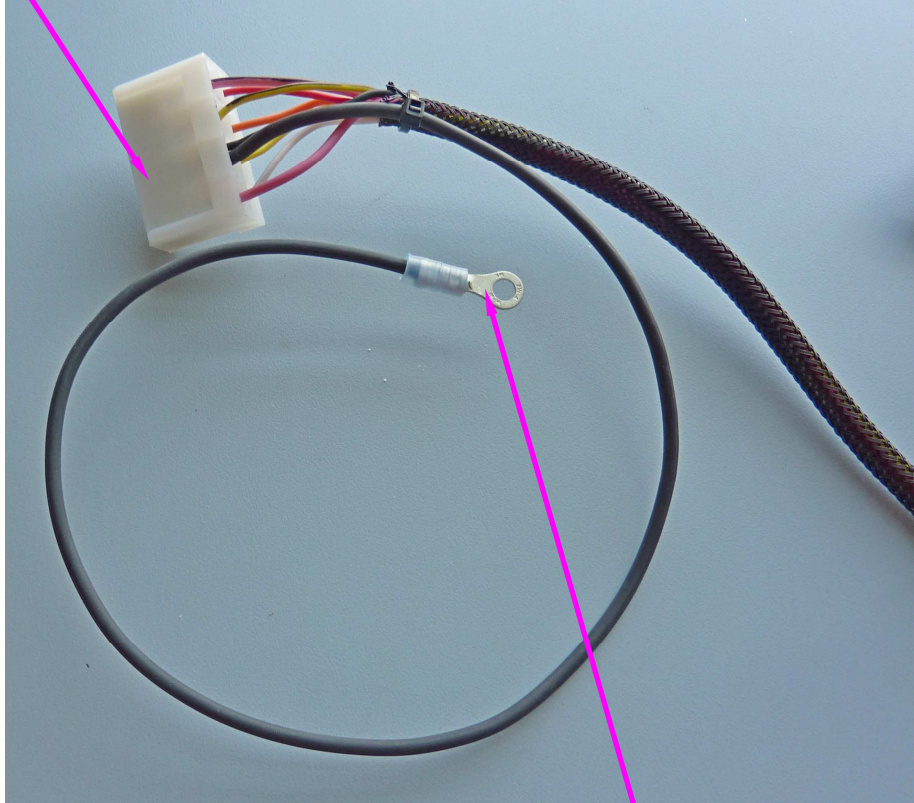Note this terminal does not have a sleeve.

FUEL LEVEL GAUGE

Black is ground.

Note this tab must be bent downward so that the terminal can be inserted.

FUEL LEVEL GAUGE

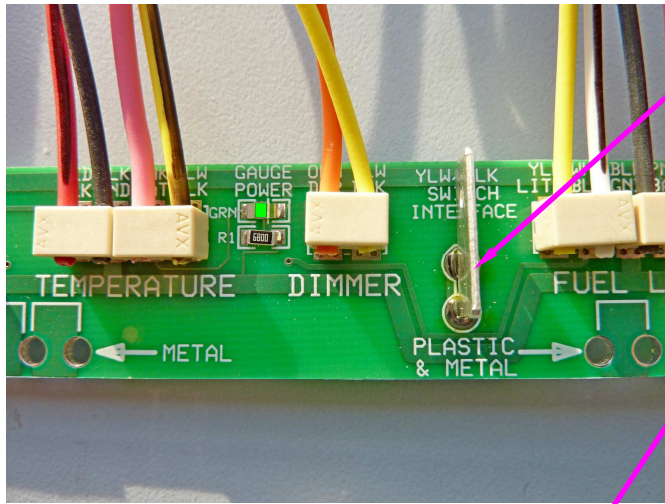8 Terminal connector matches the wires in the wire harness, plug into harness 8 terminal male connector.

The ring terminal MUST be connected to the chassis ground. Find a convenient place on the chassis sheet metal and drill a hole for a #8 self-tapping screw and mount the ring terminal. The area around the hole should be free paint and dirt.
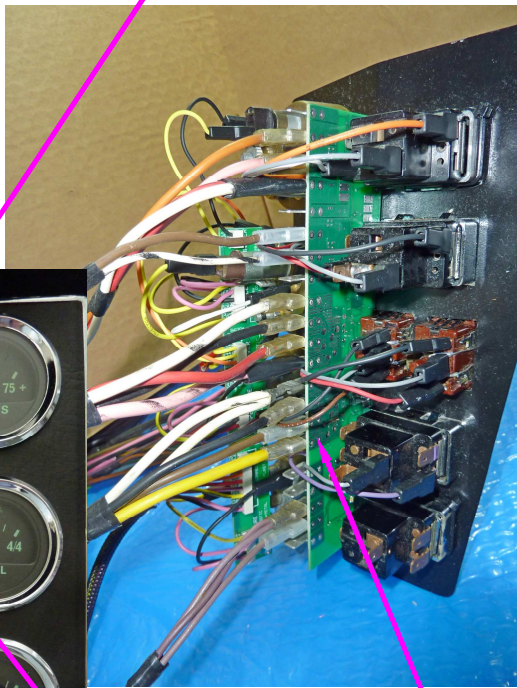
Disclaimer

The products from Pantera Electronics have been designed and manufactured with the best quality components known to the engineer. The installation instructions have been written to assist the owner in the proper use and installation of the products. Pantera Electronics can not be held responsible or held liable for the interpretation or incorrect implementation of the products.

NOTE: It's important to keep this installation manual for future reference since revisions to this product change the contents of the installation manual.

"Switch Interface" tab is to connect to the **Console Switch Interface** for the rocker switch lights.

Console Switch Interface to extend rocker switch life, add functionality and lighting to the rocker switches.