

Looking into the open end of the connector, with the wires facing away from you, remove these 2 wires.

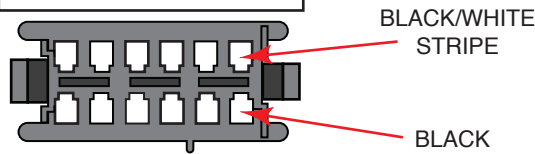


FIGURE 1

Looking at the back of the bulkhead connector, as the wires plug into the it, AAW suggests removing these 2 wires from the bulkhead assembly.

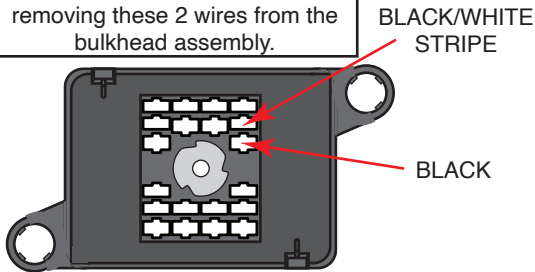
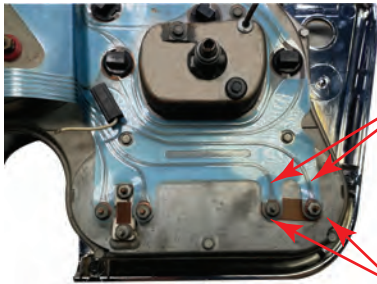


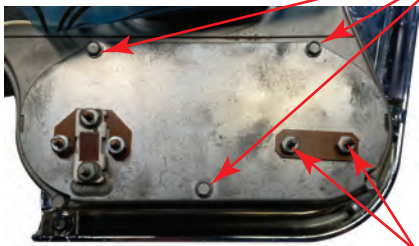
FIGURE 2



Cut these 2 leads off of the printed circuit

FIGURE 3

Remove these 2 nuts from the ammeter



Remove these 3 screws from the mounting plate

FIGURE 4

Remove these 2 nuts from the ammeter

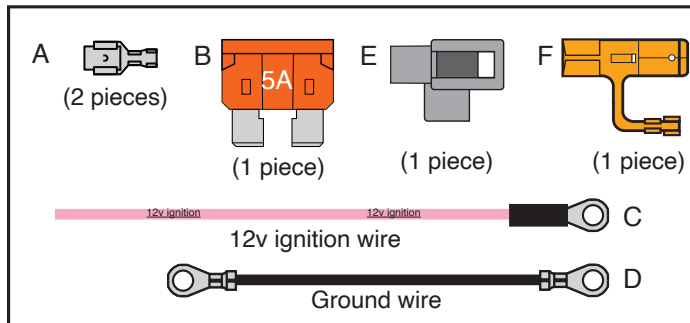
Installation Instructions:

1. Disconnect the negative battery cable from the battery.
2. Unplug the printed circuit board connector from the back of your instrument cluster.
3. Remove the instrument cluster. If your vehicle has the original factory wiring, go to the next step. If the American Autowire Classic Update kit is installed or is being installed go to step 7.
4. If the vehicle has the original factory wiring, remove the black and black with white stripe wires at locations 1 and 12 from that printed circuit board connector (See Figure 1). Next, remove the black and the black/white striped wires from the dash bulkhead connector assembly at the firewall from the locations shown at the left (See Figure 2). Note: Terminals can be removed by depressing the terminal tang with a pick at the face of connector and pulling wire terminal out the back of connector.
5. Cut the terminals off each of the wires, and tape the wire ends down to the trunk of the harness.

CAUTION: Failure to disconnect the black and black/white striped wires at the instrument cluster and bulkhead connectors could result in a short circuit and cause damage to your harnesses.

6. Locate and remove the two nuts and washers connected to the original ammeter in the lower RH corner of the instrument cluster circuit board. Set the washers and nuts aside for future use. Cut the two leads from the printed circuit that were connected to the ammeter studs (See Figure 3).
7. Remove the two nuts and washers that connect the printed circuit to the temperature gauge, and tape the printed circuit up out of the way to expose the three mounting screws that attach the gauge plate to the instrument cluster housing (See Figure 4).
8. Remove the three screws and the mounting plate that contains the original ammeter and temperature gauges from instrument cluster housing (See Figure 4).
9. Remove the two nuts and the brown insulator that hold the ammeter into the mounting plate assembly. Remove the ammeter from the mounting plate assembly (See Figure 4).

Loose Pieces:



PART #

510871

DESCRIPTION:

1967-72 Chevy and GMC
Truck Voltmeter Assembly

92973481 Rev 2.0 08/22/2023



www.americanautowire.com 856-933-0801

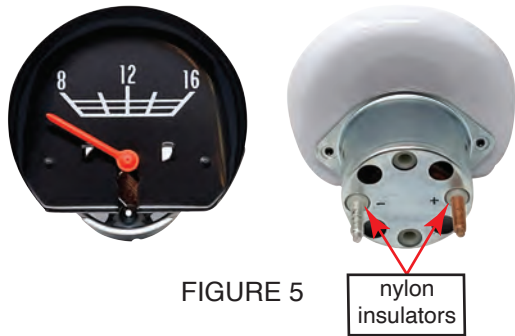


FIGURE 5



FIGURE 6

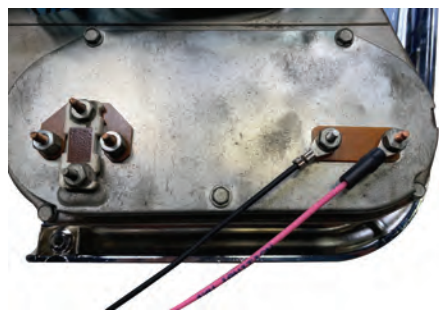


FIGURE 7



Old Configuration

New Configuration

FIGURE 8

Installation Instructions Continued:

10. Install the new voltmeter into the mounting plate assembly being sure to bring the two nylon insulators (See Figure 5) through the holes in the plate assembly.

IMPORTANT: Check that the two threaded studs are not contacting the plate assembly.

11. Install the new brown insulator provided with the gauge by sliding it onto the two studs and attach the new voltmeter into the plate assembly using the original nuts and washers.

12. Install the completed plate assembly back into the instrument cluster housing using the three screws removed earlier (See Figure 6).

13. Connect the pink 12v ignition wire(C) ring terminal to the voltmeter's copper colored stud. Install and tighten the washer and nut removed previously. Important: Do not overtighten the nuts (See Figure 7).

14. Connect the black wire (D) with the ring terminals to the voltmeter's silver colored stud. Install and tighten the washer and nut removed previously. Important: Do not overtighten the nuts (See Figure 7).

15. Reconnect the temperature gauge printed circuit leads to the studs. Install and tighten the washers and nuts removed previously. Important: Do not overtighten the nuts (See Figure 3).

16. Figure 8 shows the old ammeter as it was installed, and the new voltmeter as it is now installed.

17. Install the instrument cluster back into the dash.

18. Plug the printed circuit board connector back into the instrument cluster and reconnect all other items that you disconnected to remove the cluster from the truck.

19. Route and attach the black wire (D) with ring terminal to a good known chassis ground.

20. Route and attach the pink 12v Ignition wire (C) to the fuse box. If installing into:

Classic Update Kit with ATO fuses: Cut wire to length and connect it to the Classic Update accessory connector, using the connector terminal (A) provided. You will also need to change the fuse for this circuit using the included 5 amp fuse (B). See Figure 9, Page 3 for instructions.

Original fuse panel with glass fuses: Cut wire to length and attach it to the fused ignition "Radio" blade on the fuse panel using connector (E) and terminal (F) provided. See Figure 10, Page 4 for instructions.

21. Reconnect your battery and turn your key to the "ON" position. Your voltmeter gauge should read between 13 and 14 volts if your battery is fully charged. Your installation is now complete.



**American
Autowire**

www.americanautowire.com 856-933-0801

PART #

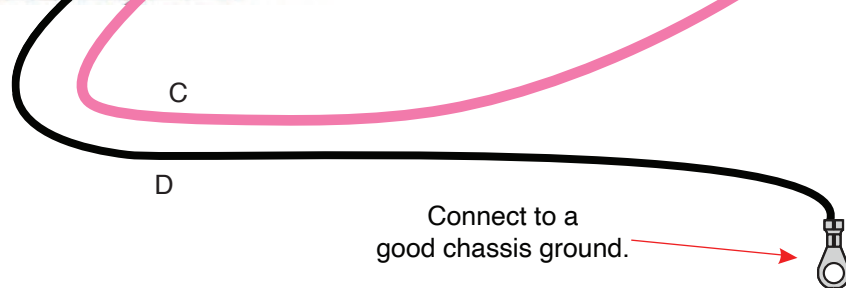
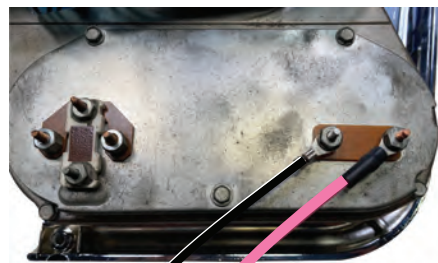
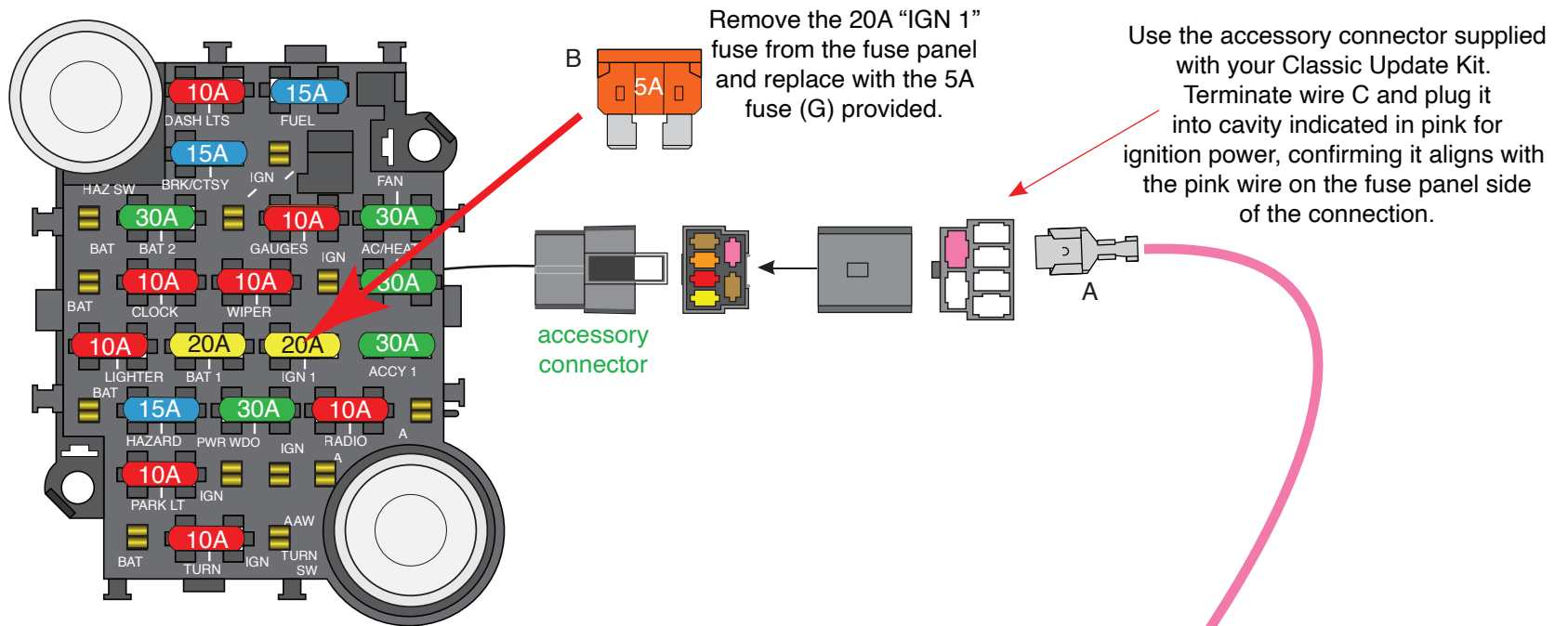
510871

DESCRIPTION:

1967-72 Chevy and GMC
Truck Voltmeter Assembly

92973481 Rev 2.0 08/22/2023

FIGURE 9: Classic Update Kit Fuse Panel with ATO fuses:



www.americanautowire.com 856-933-0801

PART #

510871

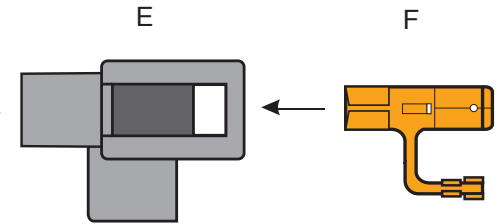
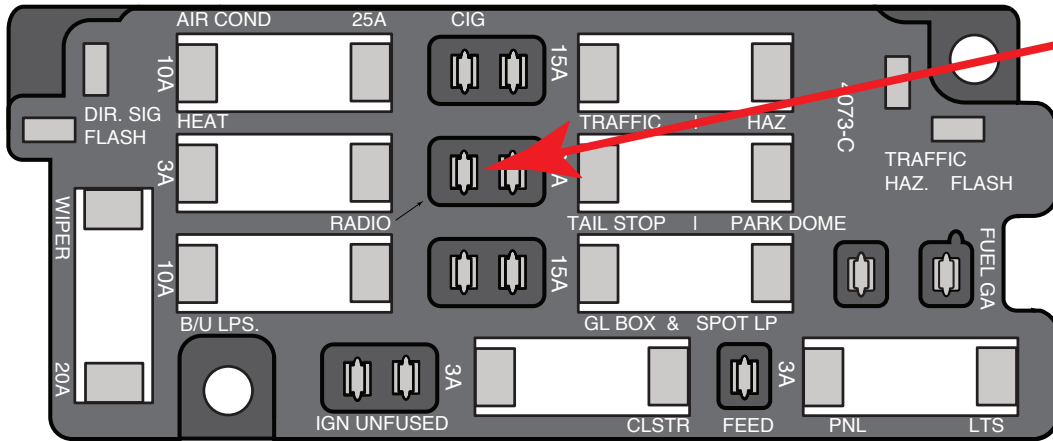
DESCRIPTION:

1967-72 Chevy and GMC
Truck Voltmeter Assembly

92973481 Rev 2.0 08/22/2023

FIGURE 10: Original Fuse Panel with Glass Fuses:

(1967-68 fuse panel shown, 1969-72 will be similar)



Plug into "Radio" cavity on fuse panel. This terminal is fused.

If this location is being used by your factory radio wire, the radio connection can be unplugged from the fuse panel and plugged into terminal/connector F/E.



C

D

Connect to a good chassis ground.



**American
Autowire**

www.americanautowire.com 856-933-0801

PART #

510871

DESCRIPTION:

1967-72 Chevy and GMC
Truck Voltmeter Assembly

92973481 Rev 2.0 08/22/2023