

Fuse Panel Installation Instructions

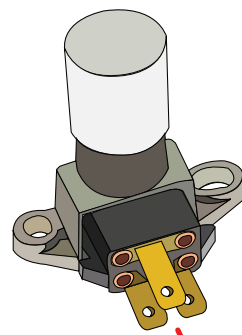
Following these simple instructions will guarantee a successful installation of your American Autowire Fuse Panel Harness.

The order of installation will be as follows:

1. Install the provided fuses and horn relay into the fuse panel and horn relay connector.
2. Install the fuse box mounting plate. (see sheet 2)
3. Route the fuse panel harness in dash are. Installation clamps are provided, as shown in detail "D" on sheet 4.
4. Make all the dash connections as shown on sheets 2 through 4.
5. Starting with bag "H," install all other wiring bas as the letter designation on the instrction sheets. (bags H, J, K, L M).

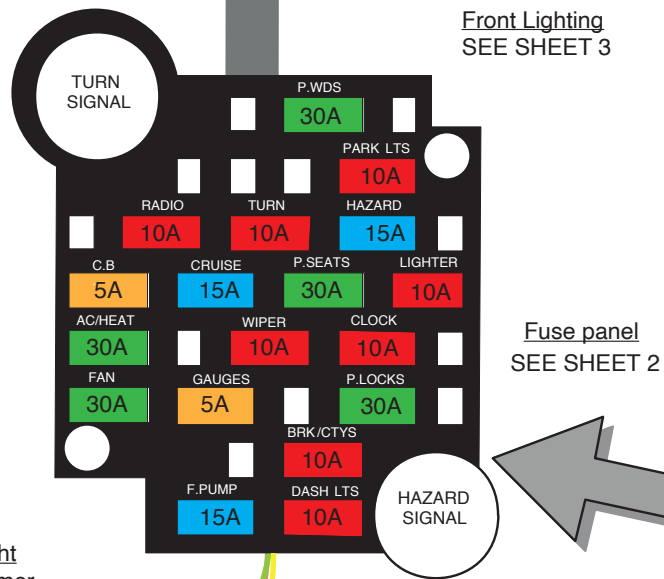
Let's begin you installation of this Fue Panel harness. Study the diagram above, and follow the installation procedures on the following pages.

Note: Dimmer switch to be installed on TOP of the floor pan fastening downwards, instead of upwards from the bottom like the original.



Headlight Floor Dimmer Switch

SEE SHEET 2



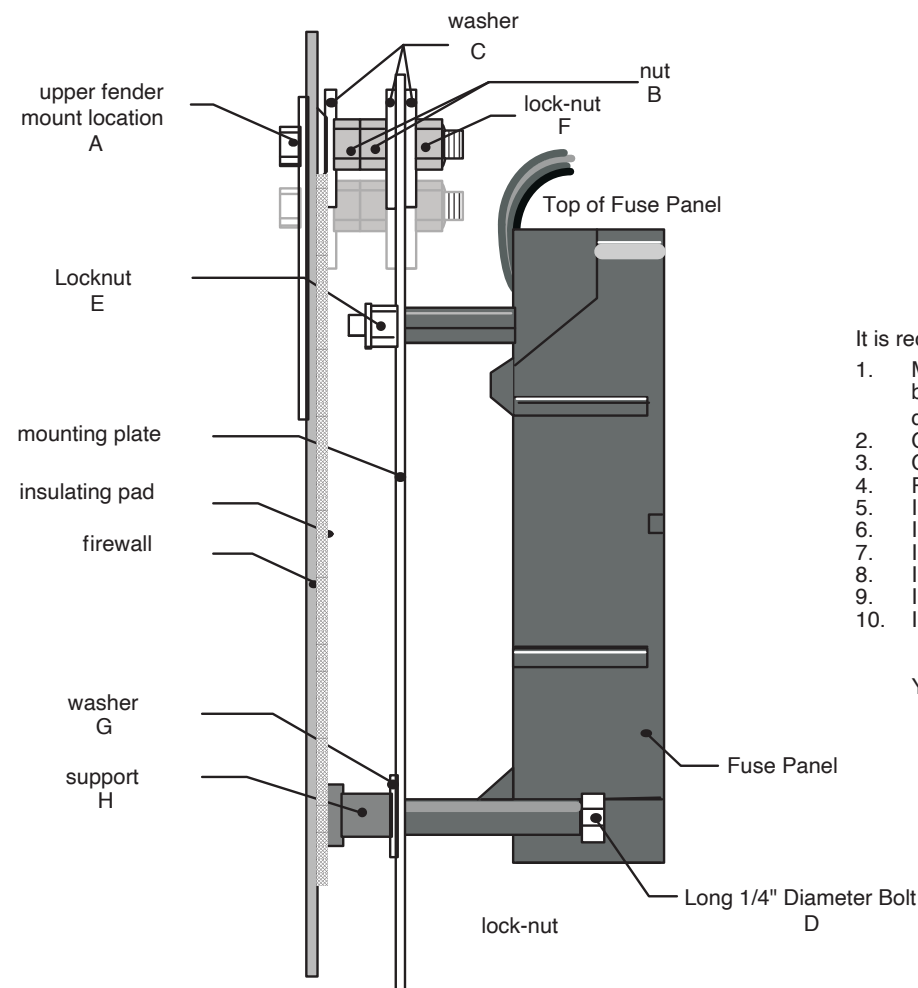
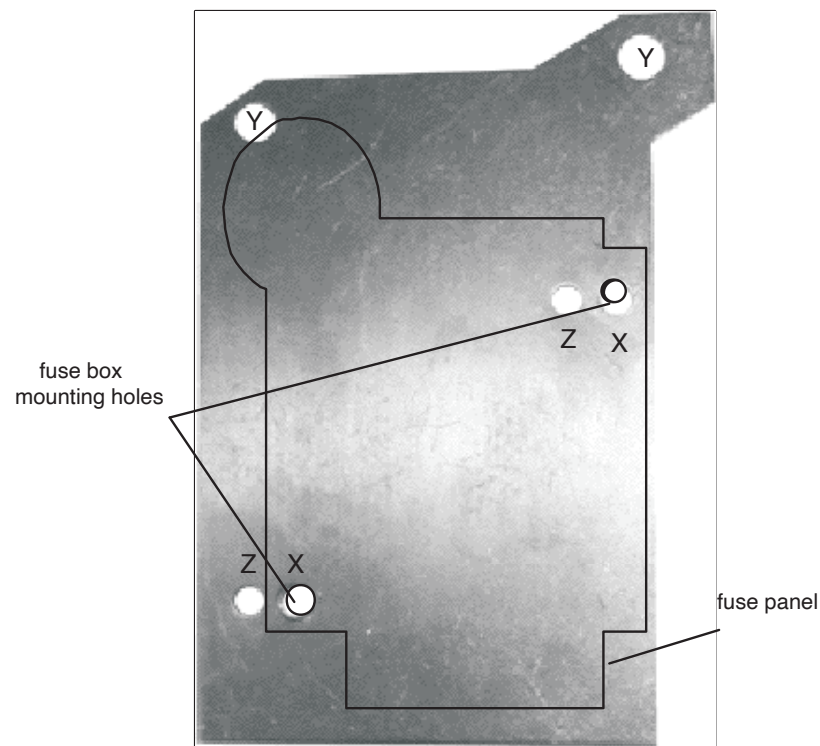
Fuse panel SEE SHEET 2

| RECOMMENDED FUSE CIRCUIT RATINGS | | | |
|----------------------------------|--------|---------------|--------|
| PARK LIGHTS | 10 AMP | CRUISE | 15 AMP |
| HAZARD | 15 AMP | CLOCK | 10 AMP |
| BRAKE LIGHTS | 10 AMP | LIGHTER | 10 AMP |
| DASH LIGHTS | 10 AMP | FUEL PUMP | 15 AMP |
| TURN SIGNAL | 10 AMP | POWER SEAT | 30 AMP |
| WIPER | 10 AMP | POWER LOCK | 30 AMP |
| GAUGE | 5 AMP | POWER WINDOWS | 30 AMP |
| C.B. RADIO | 5 AMP | | |
| A/C / HEATER | 30 AMP | | |
| RADIO | 10 AMP | | |
| FAN | 30 AMP | | |



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| | | |
|----------------------------|---------------------------|----------|
| PART # | 500559 | G |
| DESCRIPTION: | 1960-66 Chevy/GMC Truck | |
| | Custom Fuse Panel Harness | |
| 92965539 instruction sheet | Rev 10.0 | 5/8/2024 |

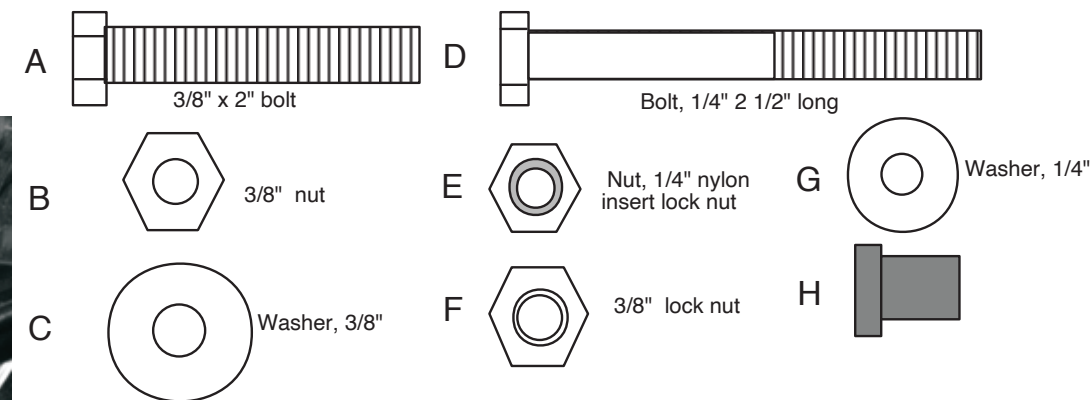
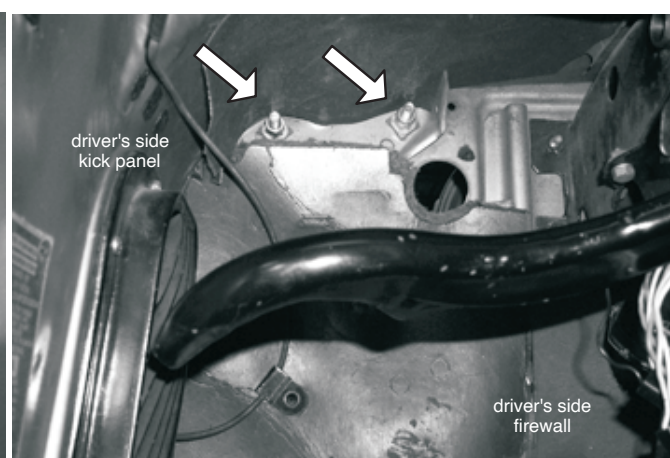
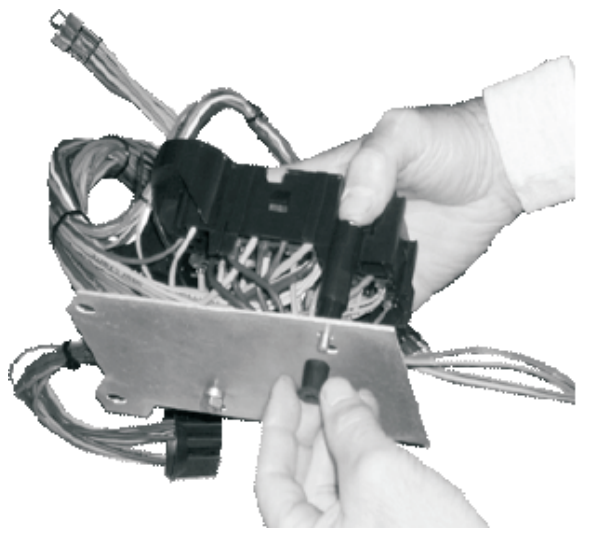


Mounting Fuse Panel and mounting plate

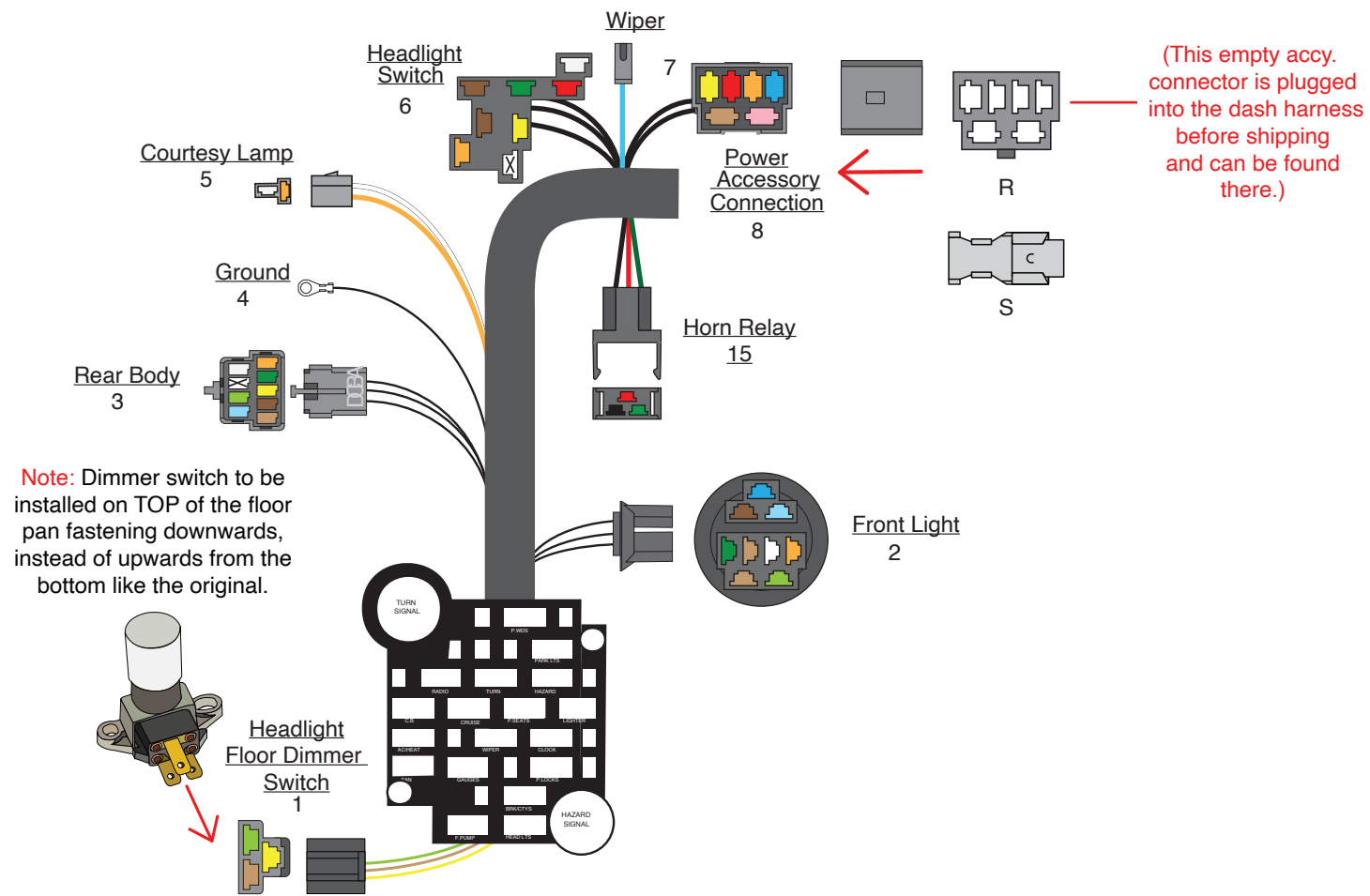
It is recommended that the firewall support bolts be replaced one at a time as follows:

1. Mount fuse box to plate, as shown in DETAIL A. Using either holes X or Z, install bolts D through the mounting holes on fuse box and plate (It is best to use a 1/4" drive, 6 point deep well socket and extension to tighten these bolts).
2. On upper bolt of fuse box, install lock nut "E", as shown in DETAIL B & G.
3. On lower bolt of fuse box, install washer "G" and rubber support "H", as shown in DETAIL B & G.
4. Remove the upper driver side firewall support bolts (2) from the firewall, as shown in DETAIL C.
5. Install bolt "A" into the existing firewall support bolt holes, as shown in DETAIL C, G & H.
6. Install 1 flat washer "C" on each bolt, as shown in DETAIL G & H.
7. Install 2 standard nuts "B" on each bolt, as shown in DETAIL G & H.
8. Install 1 flat washer "C" on each bolt, as shown in DETAIL G.
9. Install mounting plate assembly, as shown in DETAIL G.
10. Install flat washer "C" on each bolt, and secure with lock nut "F", as shown in DETAIL G.

Your fuse panel is now installed!

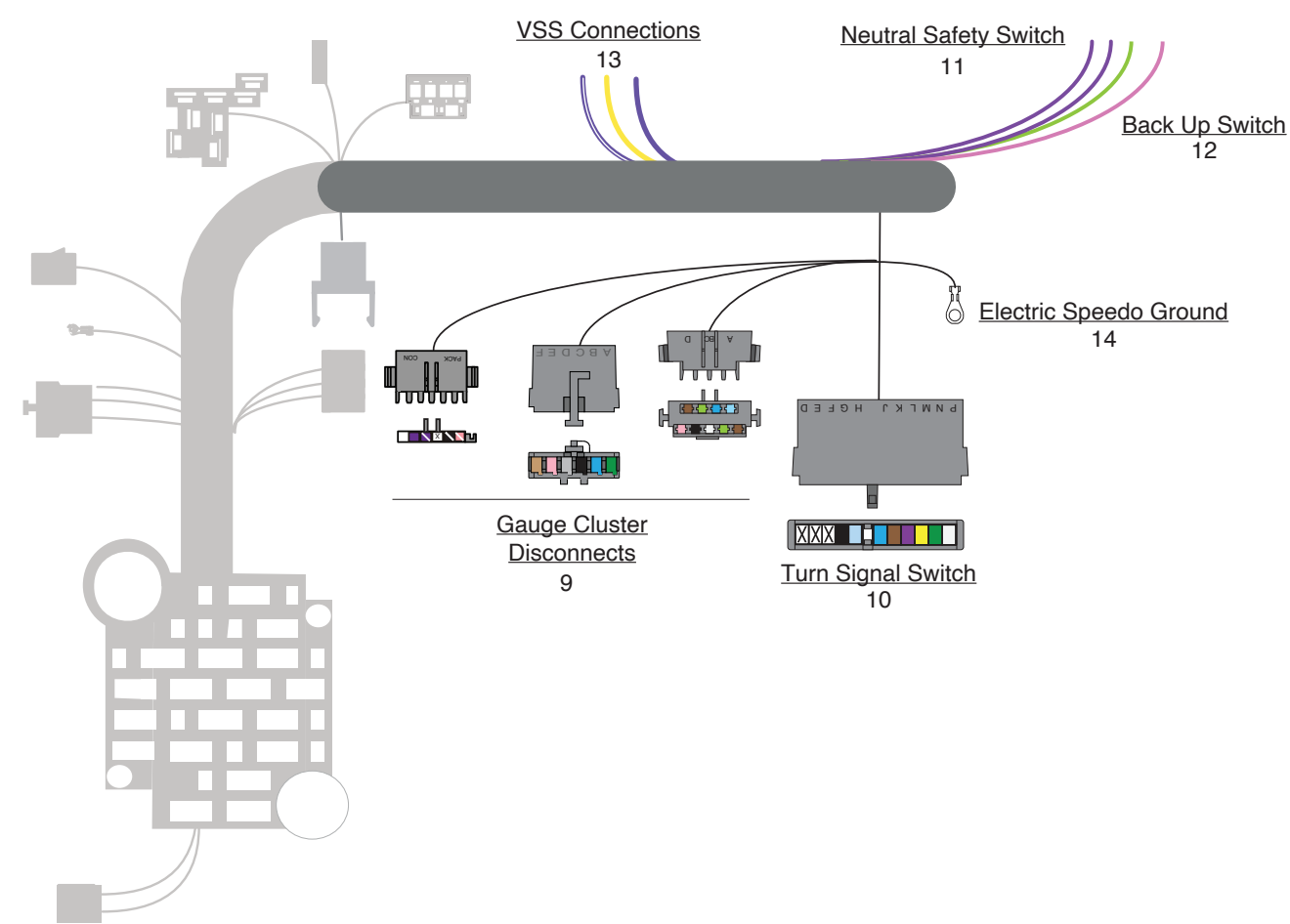


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Note: Dimmer switch to be installed on TOP of the floor pan fastening downwards, instead of upwards from the bottom like the original.

(This empty accy. connector is plugged into the dash harness before shipping and can be found there.)



Note: Terminals are provided for most connections on your wiring kit. Use the provided terminals and connector to install the following wires:

| | | | |
|---|-------------------|---|--|
| 1 | DIMMER SWITCH | Yellow Tan Lt Green | 12 volt feed to headlight floor dimmer switch Lo beam feed from headlight floor dimmer switch Hi Beam feed from headlight floor dimmer switch |
| 2 | FRONT LIGHT | This connector will mate to the connector from the Front Light harness found in bag L. Tan Light Green Brown Light Blue Dark Blue Dark Green Orange Tan | Lo beam feed to headlight bulb Hi beam feed to headlight bulb Parking lamp feed to parking lamps LH turn feed RH turn feed Horn feed Electric fan feed Electric choke feed |
| 3 | REAR BODY | This connector will mate to the connector from the Rear Body Intermediate harness found in bag M. Tan Brown Yellow Dark Green Orange White Light Green Light Blue | Fuel tank sender lead Tail lamp feed LH turn / brake feed RH turn / brake feed Dome / courtesy lamp feed Dome / courtesy lamp ground Back up lamp feed Third brake lamp feed |
| 4 | GROUND | Black | This wire is the ground for the instrument cluster. Connect it to a good chassis ground. |
| 5 | COURTESY LAMP | This connector plugs into the mating connector for the courtesy lamp kit 500614. (Bag N) White Orange | Dome / courtesy lamp ground, to door jamb switch 12 volt battery feed to courtesy lamp. |
| 6 | HEADLIGHT SWITCH | NOTE: For use of stock headlight switch, see photo above. Red Orange Brown Yellow Dk Green White | 12 volt feed to switch 12 volt feed "in" to park/tail Park / tail feed "out" Dimmer feed Instrument lamp feed Dome / courtesy ground |
| 7 | WIPER | Lt Blue | See 500613, bag O, wiper kit for installation. For an aftermarket wiper system, consult wiper manufacturer for proper hook up. NOTE: Check for proper grounding of wiper motor assembly. |
| 8 | POWER ACCESSORIES | Use the provided connector R and terminals S if you wish to connect to the accessory connector. Dark Blue Orange Red Pink Yellow Tan | 15A Fused 12 volt IGNITION feed for fuel pump. (may also be used to feed power to another accessory circuit) 30A Fused 12 volt BATTERY feed for power seats. (may also be used to feed power to another accessory circuit) 30A Fused 12 volt BATTERY feed for power door locks. (may also be used to feed power to another accessory circuit) 15A Fused 12 volt IGNITION feed for cruise control. (may also be used to feed power to another accessory circuit) 30A Fused 12 volt BATTERY feed for power windows. (may also be used to feed power to another accessory circuit) 5A Fused 12 volt ACCESSORY feed for CB radio. (may also be used to feed power to another accessory circuit) |

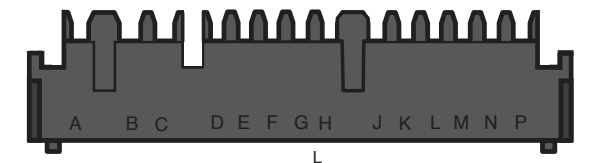
- 9 GAUGE DISCONNECT
- 10 TURN SIGNAL SWITCH

- White
- Dark Green
- Yellow
- Purple
- Brown
- Dark Blue
- Light Blue
- Black

These connectors will plug into the gauge disconnect from the Cluster harness, bag H. Each wire function is described on the instruction sheet from bag H.

This harness has a connector on it for the more common 1969-1974 GM 3/8" turn signal connection used by GM and most other aftermarket manufacturers. If your column has the 4 1/4" GM connector, simply **replace your existing column connector** with connector L below by removing the existing terminals as shown in the Detail E photo on sheet 4. If you are using a turn signal switch which does not have a connector that plugs into the connector on our harness, install connector L and terminals M on your turn signal wires, and then plug connector "L" (see below) into our harness. See Detail F for connecting to the 3 different stock turn signal switches that were used by GM between 1960 and 1966.

12v input from the brake switch.
Output to the RH rear brake and turn lamp.
Output to LH rear brake and turn lamp.
12v input from the turn signal flasher.
12v input from the from the hazard flasher.
Output to the RH front turn lamp.
Output to the LH front turn lamp.
Horn relay ground wire to horn switch.



- 11 NEUTRAL SAFETY
- 12 BACK UP SWITCH
- 13 VSS CONNECTIONS
- 14 ELECTRIC SPEEDO GROUND
- 15 HORN RELAY

- Purple
- Purple
- Purple
- Yellow
- Purple/White St.
- Black/White St.
- Red
- Dk Green
- Black

Terminals N and connectors O & P are provided for connection to a neutral safety switch, and back up switch.

12 volt feed from ignition switch to the neutral safety switch. Wire printing: "Neutral Safety Switch."
12 volt feed to the starter from the neutral safety switch. Wire printing: "Starter Solenoid - S."
These wires MUST be connected to a neutral safety switch for an automatic transmission, or connected together for manual transmission use. (IF THESE CONNECTIONS ARE NOT MADE, THE STARTER WILL NOT CRANK!)

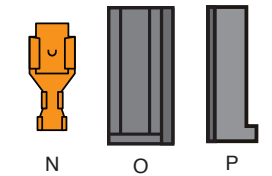
12 volt ignition power to back up light switch. (Fused by GAUGES fuse, 5A)
12 volt power out to back up lights, from switch.

These wires will only be used if you are using an electronic speedometer. Route these wires down to the VSS on your transmission. **(NOTE: The purple and yellow wires must remain twisted together down to the speed sensor unit.)** See the gauge cluster kit instructions, 500608 bag H, for typical connections.

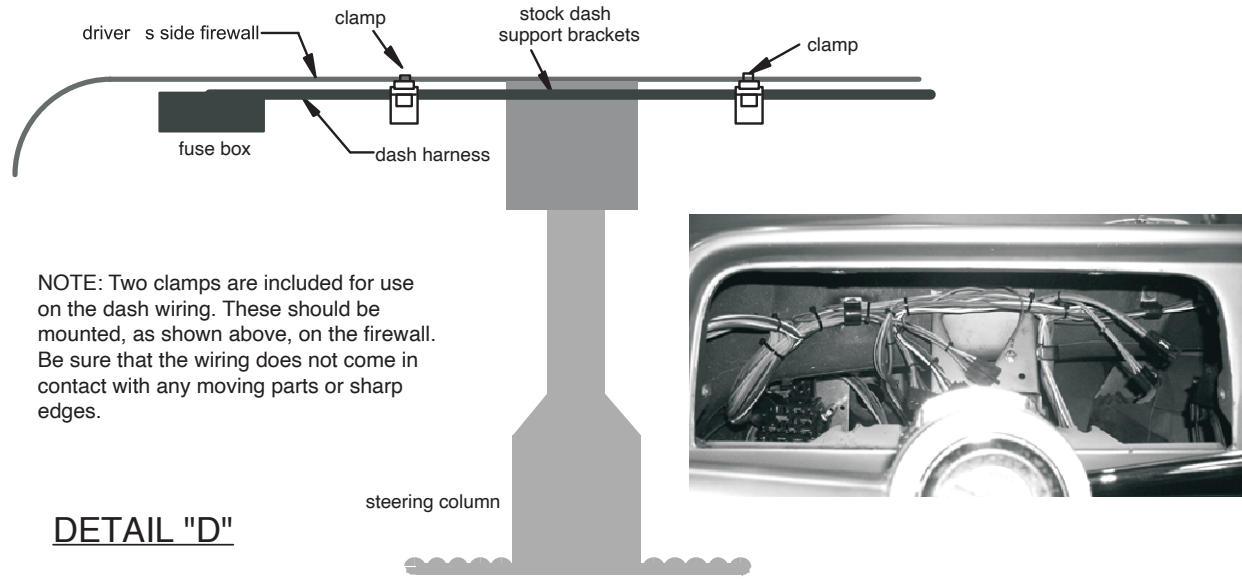
VSS signal. This wire will attach to the signal wire on your VSS (twist together with the yellow wire from below).
VSS ground. This wire will attach to the ground wire on your VSS (twist together with the purple wire from above).
12 volt fused feed to the VSS. This wire will attach to the 12 volt wire on your VSS (only used with a 3 wire VSS).

This is the ground wire for the electric speedometer. Connect to a good known chassis ground **(do not connect with #5 ground)**

Plug in the 3-prong black horn relay found in the loose piece kit.
Battery Power To Horn Relay.
Momentary Output to horn, from horn relay. (This wire only has power when the horn button is pressed)
Horn relay ground activation wire. This wire runs to the horn button.

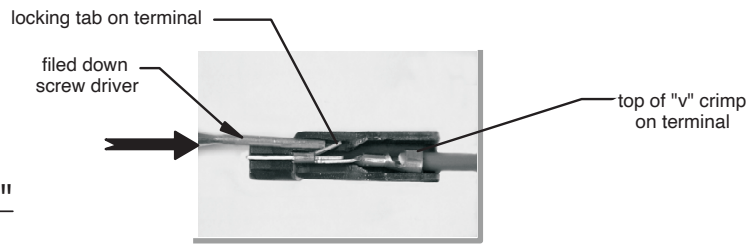


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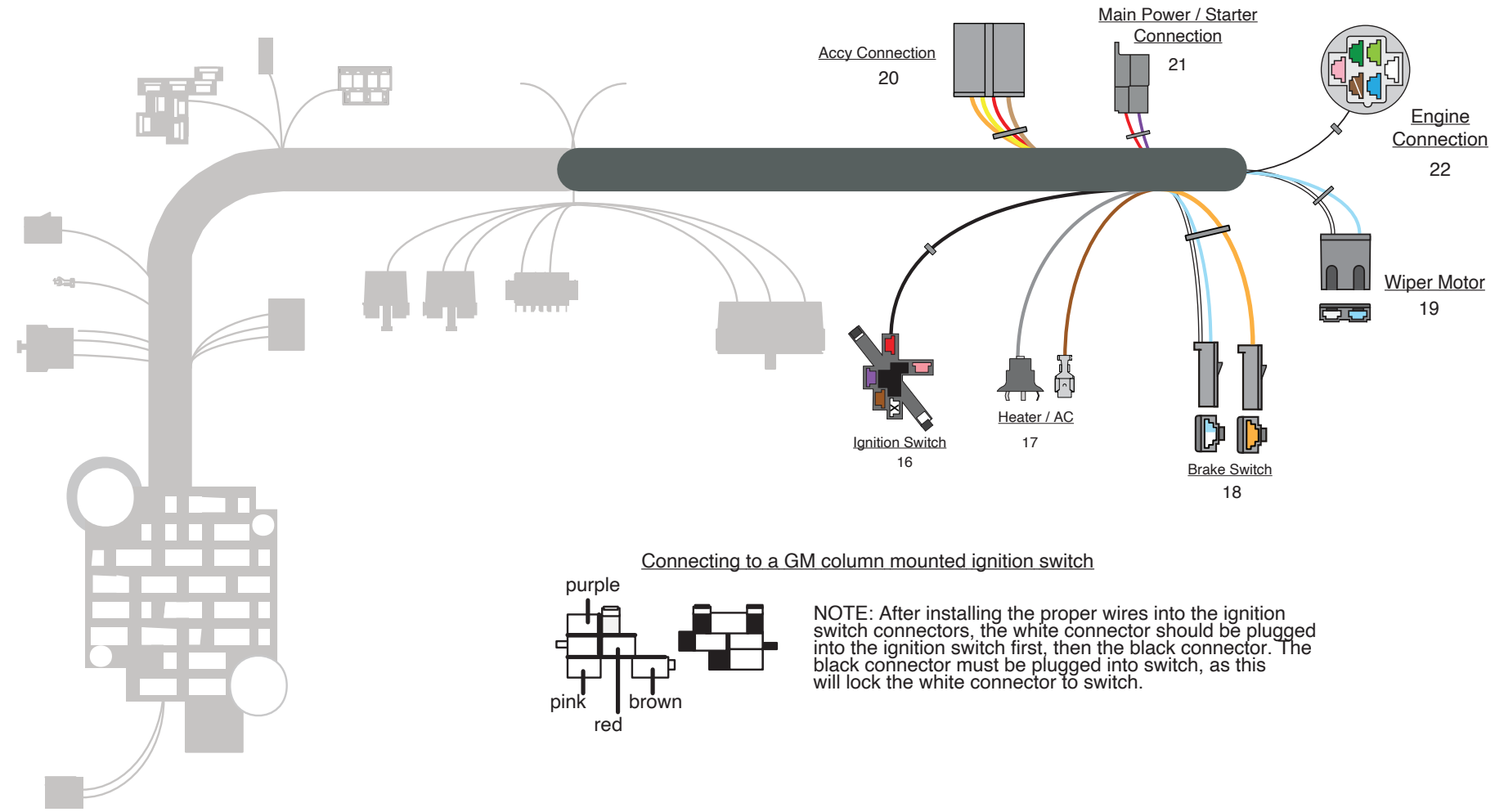
NOTE: Two clamps are included for use on the dash wiring. These should be mounted, as shown above, on the firewall. Be sure that the wiring does not come in contact with any moving parts or sharp edges.

DETAIL "D"

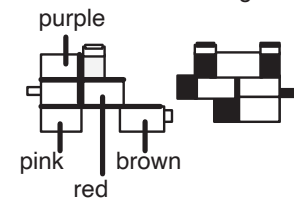


DETAIL "E"

REMOVAL OF STEERING COLUMN TERMINAL FROM A 4-1/4" GM COLUMN CONNECTOR (reference sheet 3)
To remove terminal, locate the crimped end of terminal, and look for the "v" side of crimp. This is the same side that the locking tab is located on the terminal. From the opposite end of connector, insert a thin, filed down screwdriver into the cavity to collapse the locking tang. Gently pull wire from behind and the terminal will release.
To re-install, simply pull the locking tab up into position and insert the terminal in the new connector.



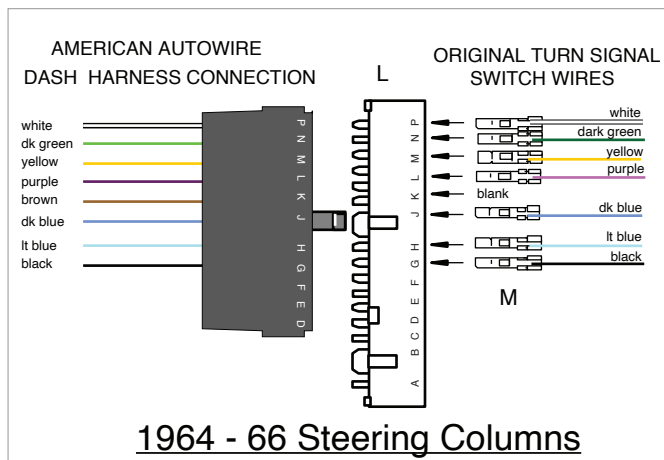
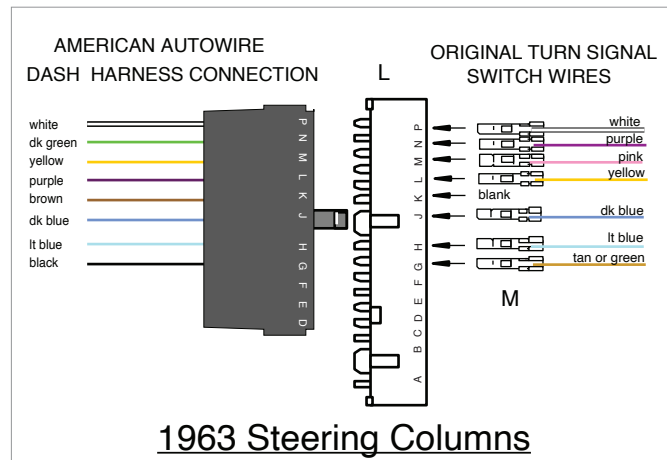
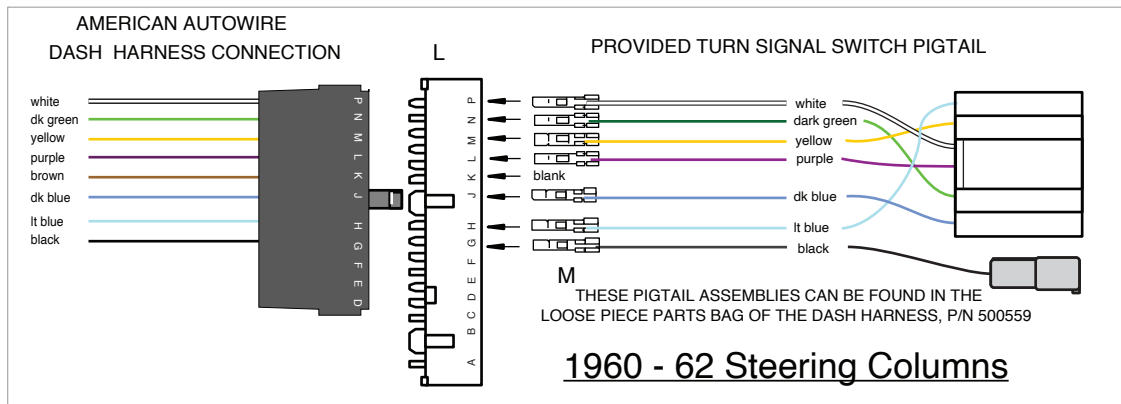
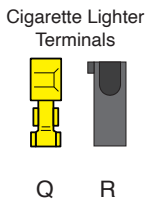
Connecting to a GM column mounted ignition switch



NOTE: After installing the proper wires into the ignition switch connectors, the white connector should be plugged into the ignition switch first, then the black connector. The black connector must be plugged into switch, as this will lock the white connector to switch.

Note: Terminals are provided for most connections on your wiring kit. Use the provided terminals and connector to install the following wires:

- 16 IGNITION SWITCH
This connector will mate to new AAW ignition switch (510632). Note: GM column mount ignition switch connectors are provided, if you are using a steering column with this feature. Connect as shown in the diagram above.
Red 12 volt battery feed to switch
Pink 12 volt ignition feed from ignition switch to fuse panel
Purple Starter solenoid feed wire
Brown Accessory feed wire from ignition switch to fuse panel
- 17 HEATER SWITCH
Note: There are 6 different heater and harness combinations that were used between 1960 and 1966. Use the brown wire below in this new AAW dash harness as the power feed for the 500611 heater harness (included with this kit) or any aftermarket heat or A/C unit.
Brown Fused 12 volt feed to heater / ac switch
Grey Heater control lamp
- 18 BRAKE SWITCH
Plug each of the two connectors containing the orange and white/lt blue wires onto one or the other of the two blades on the brake light switch
Orange 12 volt feed to brake switch
White 12 volt out from the brake switch to the turn signal switch
Light Blue 12 volt out from the brake switch to the RB connection for the third brake lamp
- 19 WIPER MOTOR
Connection of these wires are detailed in the wiper connection kit. 500613, bag O.
White
Lt Blue
- 20 ACCY CONNECTOR
This connector can be used for many different functions. Supplied in this kit is a mating connector and terminated wires for your use. Install the wires maintaining color continuity with the wires on our harness. We recommend the following:
Cigarette Lighter - 10A Fused BATTERY constant feed. Connect to lighter housing using terminal Q and connector R.
Radio - 10A Fused, keyed IGNITION feed for radio. (Protected by the RADIO FUSE)
Radio - 10A Fused, BATTERY constant feed for radio. (Protected by the CLOCK FUSE)
Glove Box - fused BATTERY constant feed. (Protected by the BRK/CTYS FUSE)
Red
Tan
Yellow
Orange
- 21 MAIN POWER / STARTER CONNECTION
This connector will plug into the mating connector from the Engine harness, bag J. The red wire here is the Main power feed to the fuse panel. The purple wire carries the start signal from the NSS switch to the starter.
Red
Purple
- 22 ENGINE CONNECTION
This connector will plug into the mating connector on the Engine harness, bag J. Wire identifications are described on the instruction sheets from bag J.



DETAIL "F"

Stock Turn Signal Wires - to - Kit



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