Fuse Panel Installation Instructions

Following these simple instructions will guarantee a successful installation of your American Autowire fuse panel harness.

1. Study the diagram above to familiarize yourself with the dash harness.
2. Install the fuse box.
3. Route the dash harness using the factory support straps.
4. Make all connections as shown on the following pages of this dash harness kit.
5. Once this harness is installed, continue to bag 'H', and install the rest of the kit (bags H,J,K,L,M,N).

1. Locate the stock OEM bulkhead hole in the driver side of the firewall.
2. Mount the fuse box with the flasher can in the bottom right corner, as shown above.
3. Using the two mounting screws A, attached the fuse panel to the firewall.
1. **Dimmer Switch**
   - Yellow: 12 volt feed to dimmer switch from H/L switch.
   - Light Green: 12 volt feed to high beam H/L.
   - Tan: 12 volt feed to low beam H/L.

2. **Emergency Brake Switch**
   - Use the provided connector that is plugged into the dash harness along with the loose terminals in the loose place parts kit to connect power leads for the following:

<table>
<thead>
<tr>
<th>Fuse</th>
<th>Rating</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dark Blue</td>
<td>15 amp</td>
<td>Fused 12 volt IGNITION feed for fuel pump (may also be used to feed power to another ignition circuit)</td>
</tr>
<tr>
<td>Orange</td>
<td>BAT1</td>
<td>20 amp</td>
</tr>
<tr>
<td>Red</td>
<td>BAT2</td>
<td>30 amp</td>
</tr>
<tr>
<td>Pink</td>
<td>IGN1</td>
<td>20 amp</td>
</tr>
<tr>
<td>Yellow</td>
<td>PWRWDO</td>
<td>30 amp</td>
</tr>
<tr>
<td>Tan</td>
<td>ACCY1</td>
<td>30 amp</td>
</tr>
</tbody>
</table>

3. **Rear Body**
   - Brown: Tail lamp and tag lamp feed.
   - Yellow: LH turn / brake feed.
   - Dark Green: RH turn / brake feed.
   - Orange: Dome / courtesy lamp feed.
   - White: Dome / courtesy lamp ground.
   - Light Green: Back up lamp feed.
   - Light Blue: Third brake light.

4. **Turbo 400 Kickdown**
   - On 64, 65 & 66 cars, plug this connector onto the transmission kickdown switch at the gas pedal. On 65 cars, plug the loose piece jumper onto this connector as the kickdown switch is located outside the car at the carburetor. The final connection to the transmission is addressed in the engine kit, 510191, bag J.

<table>
<thead>
<tr>
<th>Color</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yellow</td>
<td>12 volt ignition power feed into switch</td>
</tr>
<tr>
<td>Orange</td>
<td>Switched 12 volt feed out to transmission solenoid</td>
</tr>
</tbody>
</table>

5. **Console**
   - Plug the console harness 510195, bag K onto this connector if your car has a factory console. Follow the directions in bag K to complete your console connections.

<table>
<thead>
<tr>
<th>Color</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Orange</td>
<td>12 volt battery power feed for console courtesy lamp</td>
</tr>
<tr>
<td>White</td>
<td>Switched ground for console courtesy lamp</td>
</tr>
<tr>
<td>Gray</td>
<td>Transmission indicator lamp power</td>
</tr>
<tr>
<td>Black</td>
<td>Ground for transmission indicator lamp</td>
</tr>
</tbody>
</table>

6. **Back Up Lamp Switch**
   - Connect these wires to your back up lamp switch.

<table>
<thead>
<tr>
<th>Color</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Green</td>
<td>12 volt feed to back up lamps</td>
</tr>
<tr>
<td>Pink</td>
<td>12 volt ignition feed into back up lamp switch</td>
</tr>
</tbody>
</table>

7. **Neutral Safety Switch**
   - Connect these wires to your neutral safety switch or together if you are using a manual transmission with out an NSS.

<table>
<thead>
<tr>
<th>Color</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Purple</td>
<td>12 volt feed in from ignition switch</td>
</tr>
<tr>
<td>Purple</td>
<td>Switched 12 volt feed out to starter solenoid</td>
</tr>
</tbody>
</table>

8. **Wiper Switch**
   - Connect these wires to your wiper/washer switch depending on the year and application of your vehicle using the detailed figures to the right on this page (page 2).

<table>
<thead>
<tr>
<th>Color</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black</td>
<td>Ground circuit for low speed</td>
</tr>
<tr>
<td>Dk Blue</td>
<td>Ground circuit for washer</td>
</tr>
<tr>
<td>Lt Blue</td>
<td>Ground circuit for hi speed</td>
</tr>
</tbody>
</table>

9. **Brake Light Switch**
   - Plug this connector onto your factory stop lamp switch.

<table>
<thead>
<tr>
<th>Color</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Orange</td>
<td>12 volt fused battery feed to stop lamp switch</td>
</tr>
<tr>
<td>White</td>
<td>12 volt feed to turn signal switch</td>
</tr>
<tr>
<td>Light Blue</td>
<td>12 volt out to third brake lamp</td>
</tr>
</tbody>
</table>

10. **Grounds**
    - Connect to the dash frame, steering column saddle, or any other good known chassis ground.

<table>
<thead>
<tr>
<th>Color</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black</td>
<td>Cluster and dash lamp grounds</td>
</tr>
</tbody>
</table>

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**Wiper switch connections as viewed looking into the connector.**

In each case, install the supplied female terminals C to each of the wires and install the completed wire and terminal leads into the appropriate plastic connectors for the correct application for your car.

- **64 Single Speed with washer**
  - lt blue
  - dk blue
  - black

- **64 2 Speed with washer**
  - lt blue
  - dk blue
  - black

- **65-66 GTO, LeMans, Tempest All**
  - black
  - lt blue
  - dk blue

- **67 GTO, LeMans, Tempest All**
  - black
  - lt blue
12 IGNITION SWITCH
This connection will plug onto the new ignition switch, 50674.
Red 12 volt battery feed
Pink 12 volt ignition feed
Brown 12 volt accessory feed
Purple 12 volt starter feed to Neutral Safety Switch
Light Blue To heater resistor
Yellow To heater resistor
Brown 12 volt fused switch feed for heat or A/C power. (if using aftermarket A/C, use this wire as the switched "ON" "OFF" feed wire to the aftermarket A/C harness.)

23 HEATER SWITCH
These wires will plug into some connectors contained in the dash loosely kit. Instructions for plugging them in can be found on page 4, diagrams J and K.

22 GLOVEBOX LAMP
Orange 12 volt fused battery feed for glovebox lamp

21 HEATER RESISTOR
(Used on stock non A/C equipped cars only) Plug this connector onto the stock heater resistor located on the stock heater box inside the car under the dash.
Orange 12 volt fused battery feed for glovebox lamp

20 RH COURTESY LAMP
Plug this connector into the mating RH courtesy lamp assembly from 500708, bag N.
Gray Dash lamp feed
Black Dash lamp ground

19 HEATER CONTROL LAMP
Orange 12 volt fused feed
White Courstly lamp switch ground

18 RADIO
Tan 12 volt accessory power feed to radio ("ON" and "OFF")

17 TURN SIGNAL SWITCH
These connectors will plug into the Instrument Cluster Harness, 510194, bag H. Circuit identifications for this branch are described in those instructions.

16 INSTRUMENT CLUSTER DISCONNECTS
These connectors will plug into the Instrument Cluster Harness, 510194, bag H. Circuit identifications for this branch are described in those instructions.

15 HEADLIGHT SWITCH
This connection will plug onto the new headlamp switch, 500332.
Red Battery 12 volt input lead to switch for headlamps.
Orange Battery fused 12 volt input lead to switch for park / tail output and dash lamp input
Brown Park / tail lamp output
Yellow 12 volt output lead to dimmer switch for headlamps
Dark Green Dash lamp output to fuse panel
White 12 volt input lead to switch for park / tail output and dash lamp input

14 HORN RELAY
Plug the horn relay (found in fuse, relay, and flasher bag, 500707) into this connector.
Red 12 volt battery for relay
Black Horn relay ground to horn switch

13 TURN SIGNAL SWITCH
The connector on this harness will mate directly to the 3 7/8" turn signal switch used by GM and many other aftermarket steering column manufacturers. If you are using a stock 1964-66 non tilt or any 1967 column and turn signal switch, remove the existing connector and terminals from your stock steering column and install terminals M and connector L as shown on this sheet, diagram G. If you are using a stock 1964-66 tilt column and turn signal switch, use the stock jumper harness from your original column and clip on terminals M, then plug into connector L as shown on this sheet, diagram H. If your column uses the 4 1/4" GM plug, simply remove the connector from your column and install connector L maintaining color continuity with the dash harness.

12 IGNITION SWITCH
This connection will plug onto the new ignition switch, 50674.
Red 12 volt battery feed
Pink 12 volt ignition feed
Brown 12 volt accessory feed
Purple 12 volt starter feed to Neutral Safety Switch
Light Blue To heater resistor
Yellow To heater resistor
Brown 12 volt fused switch feed for heat or A/C power. (if using aftermarket A/C, use this wire as the switched "ON" "OFF" feed wire to the aftermarket A/C harness.)

11 TURN SIGNAL SWITCH
These wires will plug into some connectors contained in the dash loosely kit. Instructions for plugging them in can be found on page 4, diagrams J and K.

10 GLOVEBOX LAMP
Orange 12 volt fused battery feed for glovebox lamp

9 HEATER RESISTOR
(Used on stock non A/C equipped cars only) Plug this connector onto the stock heater resistor located on the stock heater box inside the car under the dash.
Orange 12 volt fused battery feed for gluebox lamp

8 HEATER SWITCH
These wires will plug into some connectors contained in the dash loose piece kit. Instructions for plugging them in can be found on page 4, diagrams J and K.
Brown 12 volt fused switch feed for heat or A/C power. (if using aftermarket A/C, use this wire as the switched "ON" "OFF" feed wire to the aftermarket A/C harness.)

7 RH COURTESY LAMP
Plug this connector into the mating RH courtesy lamp assembly from 500708, bag N.
Gray Dash lamp feed
Black Dash lamp ground

6 HEADLIGHT SWITCH
This connection will plug onto the new headlamp switch, 500332.
Red Battery 12 volt input lead to switch for headlamps.
Orange Battery fused 12 volt input lead to switch for park / tail output and dash lamp input
Brown Park / tail lamp output
Yellow 12 volt output lead to dimmer switch for headlamps
Dark Green Dash lamp output to fuse panel
White 12 volt input lead to switch for park / tail output and dash lamp input

5 TURN SIGNAL SWITCH
These wires will plug into some connectors contained in the dash loosely kit. Instructions for plugging them in can be found on page 4, diagrams J and K.

4 GLOVEBOX LAMP
Orange 12 volt fused battery feed for glovebox lamp

3 HEATER RESISTOR
(Used on stock non A/C equipped cars only) Plug this connector onto the stock heater resistor located on the stock heater box inside the car under the dash.
Orange 12 volt fused battery feed for gluebox lamp

2 HEATER SWITCH
These wires will plug into some connectors contained in the dash loose piece kit. Instructions for plugging them in can be found on page 4, diagrams J and K.
Brown 12 volt fused switch feed for heat or A/C power. (if using aftermarket A/C, use this wire as the switched "ON" "OFF" feed wire to the aftermarket A/C harness.)

1 IGNITION SWITCH
This connection will plug onto the new ignition switch, 50674.
Red 12 volt battery feed
Pink 12 volt ignition feed
Brown 12 volt accessory feed
Purple 12 volt starter feed to Neutral Safety Switch
Light Blue To heater resistor
Yellow To heater resistor
Brown 12 volt fused switch feed for heat or A/C power. (if using aftermarket A/C, use this wire as the switched "ON" "OFF" feed wire to the aftermarket A/C harness.)
1964 - 1965 GTO, LEMANS, TEMPEST HEATER AND BLOWER SWITCH CONNECTION WITH FACTORY HEATER AND NO A/C.

**DIAGRAM “J”**

1966 - 1967 GTO, LEMANS, TEMPEST HEATER AND BLOWER SWITCH CONNECTIONS WITH FACTORY HEATER AND NO A/C.

**DIAGRAM “K”**