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. Mount the fuse panel mounting plate.
2. Route fuse panel harness in dash area using original harness clips located at the top of the firewall.
3. Attach the fuse panel to the mounting plate.
4. Make all dash connections as shown in this Fuse Panel Installation sheet.
5. Starting with bag "H", install all other wiring bags as per the letter designation on instruction sheets. (bags H,J,K,L,M,N).

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

**RECOMMENDED FUSE CIRCUIT RATINGS**

- Park Lights: 10 AMP
- Hazard: 15 AMP
- Headlights: 10 AMP
- Turn Signal: 10 AMP
- Horn: 10 AMP
- Turn Signal: 10 AMP
- Gauge: 10 AMP
- C.B. Radio: 5 AMP
- A/C, Heater: 30 AMP
- Radio: 10 AMP
- Fan: 30 AMP
- Cruise: 15 AMP
- Clock: 10 AMP
- Fuel Pump: 15 AMP
- Power Seat: 30 AMP
- Power Lock: 30 AMP
- Power Windows: 30 AMP
- Radio: 10 AMP
- Heater: 10 AMP
- Ignition Switch: 10 AMP
- Back Up Switch: 10 AMP
- Neutral Safety Switch: 10 AMP
- Accessory Connection: 10 AMP
- Rear Body: 10 AMP
- LH Courtesy: 10 AMP
- Front Light: 10 AMP
- LH Courtesy: 10 AMP
- Cluster Disconnect: 10 AMP
- Engine Connection: 10 AMP
- Starter Connection: 10 AMP
- Radio Battery: 10 AMP
- Glove Box: 10 AMP
- Heater Control Lamp: 10 AMP
- VSS Connection: 10 AMP

**NOTE:** purple & yellow wires must be twisted together
Mounting Fuse Panel and mounting plate

1. Remove your existing bottom bolt of the hood hinge.
2. Insert new bolt A into this location from the engine compartment along with your existing lockwasher and flat washer. This bolt will screw into existing factory weld-nut on inside of firewall.
3. On the inside of the car, install two C nuts onto bolt A, seating each bolt firmly against the weld-nut, and each other.
5. Lower mounting bolts:
   - From the engine compartment, locate the existing stock 1/4" hole located just below and to the right of the hood hinge (originally for dash pad clip).
   - Insert a new 1/4" bolt F (This hole may need to be enlarged slightly if bolt is too snug.)
   - On inside of car, trim firewall pad so that there is enough clearance to install flat washer G onto bolt F.
   - Install 1/4" standard nut H onto bolt F and tighten.
   - Install large flat washer K onto bolt F (this will keep the firewall pad in place).
   - Install three (3) standard nuts H, tightening each firmly.
   - Place large washer K onto bolt F, and leave until step 9.
6. Insert two (2) of bolt E into the fuse box mounting holes on the mounting plate, from the back side (see Detail "A"), and leave hang loose.
7. Place mounting plate onto the bolts that you installed on the firewall, at locations shown in Detail "A".
8. Install flat washer B onto bolt A. Using lock-nut D, tighten mounting plate against upper firewall bolt A. Be sure that there are no exposed threads which could damage wires.
9. Install large flat washer K onto bolt F. Using lock-nut J, tighten mounting plate against lower firewall bolt F. Be sure that there are no exposed threads which could damage wires.
10. The mounting plate should now be installed. Place the fuse panel onto bolts E that you installed on the mounting panel.
11. Install lock-nuts J onto bolts E, and tighten. This is best done using a 1/4" drive, 6 point deep well socket and extension.

Your fuse panel is now installed!
**1955 Heater Switch Connection**

**Figure B**

**“Figure B”**

**1955 Heater Switch Connection**

Viewed from the front of the connector as though you were plugging connector into your face.

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**1. DIMMER SWITCH**
- **Yellow**: 12 volt feed to dimmer switch.
- **Tan**: Low beam feed from dimmer switch to front light connector.
- **Lt Green**: Hi beam feed from dimmer switch to front light connector and dash cluster indicator.

**2. ACCESSORIES**
Use the provided connector R and terminals S if you wish to connect to the accessory connector.
- **Dark Blue**: FUEL 15 amp.
- **Orange**: P.SEATS 30 amp.
- **Red**: PLOOPS 30 amp.
- **Pins**: CRUISE 10 amp.
- **Yellow**: PWKOS 30 amp.
- **Brown**: CB 5 amp.

**3. HEADLIGHT SWITCH**
**NOTE**: On some cars, it may be necessary to open up the round-mounting hole in the dash a very small amount to install the new AAW H/L Switch 500682.
- **Red**: 12 volt battery feed to light switch for H/L circuit.
- **Orange**: Secondary fused 12 volt battery feed to light switch for tail/parking lamp circuits, and output to dk. green dash lamp circuit.
- **Brown**: Fused 12 volt feed out to taill and parking lamp circuits.
- **Yellow**: Feed out to dimmer switch for headlights.
- **Dk. Green**: 12 volt feed out from light switch to fuse box for dash circuit.
- **White**: Ground lead for courtesy and dome lamp circuits.

**4. REAR BODY**
This connector will mate to the main rear body harness (500417, bag M).
- **Tan**: Fuel tank sensor wire.
- **Brown**: Feed to the tail and license plate lamps.
- **Yellow**: Feed to LH stop and turn lamp.
- **Dk. Green**: Feed to RH stop and turn lamp.
- **Orange**: Feed to dome and courtesy lamps.
- **White**: Ground to dome and courtesy lamps.
- **Lt Green**: Feed to back-up lamps.
- **Lt Blue**: Feed to third brake lamp.

**5. FRONT LAMP**
This connector will mate to the front lamp harness (500432, bag L).
- **Tan**: Feed to hi beam H/L circuit.
- **Lt Green**: Feed to hi beam H/L circuit.
- **Brown**: Feed to LH and RH parking lamps.
- **Lt Blue**: Feed to LH turn signal lamp.
- **Dk. Blue**: Feed to RH turn signal lamp.
- **Dk. Green**: Feed to horn.
- **Orange**: Fused 12 volt ignition feed for electric fan relay (DO NOT CONNECT DIRECTLY TO ELECTRIC FAN).

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**6. LH COURTESY**
- **Orange**: 12 volt feed to LH courtesy lamp.

**7. WIPER FEED**
- **White**: Fused 12 volt feed for windshield wipers. (on an original SS-56 application, this will connect directly to the wiper motor. The dash switch will control the function. For all aftermarket wiper systems, consult the manufacturers directions for installation.

**8. CLUSTER GROUND**
- **Black**: Ground feed to LH courtesy lamp and LH door jamb switch.

**9. BRAKE SWITCH**
- **Orange**: 12 volt feed to brake switch.

**10. GAUGE DISCONNECT**
These connectors will mate to the gauge cluster harness (500436, bag H) connectors. Wire identifications will be found in that kit.

**11. IGNITION SWITCH**
- **Red**: 12 volt unfused battery feed into the ignition switch.
- **Pink**: 12 volt unfused ignition feed out of the ignition switch to the fuse panel and engine harness connector.
- **Brown**: 12 volt unfused accessory feed out of the ignition switch to the fuse panel.
- **Purple**: 12 volt unfused starter solenoid feed out to the starter connection.

**12. TURN SIGNAL SWITCH**
This harness has been manufactured using the more common 1969-1976 GM steering column connections as were used by GM and most aftermarket steering column manufacturers. If you are using a stock 1955-56 steering column, or a 1977 or later GM steering column, please see “Figure A” on page 4, and using the provided connector L and terminals M and N in the 50014 loose piece dash, connect your column to the new AAW dash harness.
- **White**: 12 volt feed into the turn signal switch from the brake switch for your brake lights.
- **Dk. Green**: Feed out of the turn signal switch to the rear body connector for the RH rear turn signal.
- **Yellow**: Feed out of the turn signal switch to the rear body connector for the LH rear turn signal.
- **Purple**: 12 volt ignition feed into the turn signal switch for turn signals.
- **Brown**: 12 volt battery feed into the turn signal switch for hazard lamps.
- **Dk. Blue**: Feed out of the turn signal switch to the front light and cluster connectors for the RH front turn signal.
- **Lt Blue**: Feed out of the turn signal switch to the front light and cluster connectors for the RH front turn signal.
- **Black**: Horn relay ground wire from horn switch to horn relay connector.

**13. LIGHTER**
- **Orange**: Fused 12 volt feed for cigarette lighter.

**14. HORN RELAY**
- **Orange**: Plug the horn relay (found in the fuse, relay, and flasher bag, 510565) into this connector.
- **Red**: 12 volt battery for relay.
- **Black**: Relay ground circuit from steering column horn switch.
- **Dk. Green**: Triggered 12 volt feed from the relay to the front lamp connector for the horn.
**NOTE:** These wires MUST be twisted together to either a neutral safety switch if using an automatic transmission, or connected together if using a manual transmission in order for the starter to operate, and to the car to start.

Purple 12 volt feed from the neutral safety switch to the starter connection for the starter solenoid.

Purple 12 volt feed from the ignition switch to the neutral safety switch.

Purple/White St. 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).

**NOTE:** These wires MUST be twisted together.

Yellow horn relay ground (Black, Tan, or Dk. Green)

Black horn relay ground (Black, Tan, or Dk. Green)

White ground wire located in them. That wire was a separate wire that was attached to the steering column upper mast jacket bushing and came out through an opening in the steering column. That wire was typically black, tan, or dark green and had a small male blade crimped onto it. If you are using the factory steering column in your car, crimp one of the loose piece terminals “M” found in the loose piece kit of the 500414 dash harness onto that wire, and plug it into the adapter “L” when building your turn signal switch adapter to complete the horn ground circuit.

Red 5 volt feed from the VSS to the ignition switch to the neutral safety switch.

White 12 volt feed from the switch to the blower motor.

Yellow 12 volt fed to clock circuit.

White, Tan, or Dk. Green 12 volt fed to the horn relay.

Yellow 12 volt battery-powered feed for radio memory.

White, Tan, or Dk. Green horn wire from steering column

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

White  Ground feed to RH courtesy lamp and RH door jamb switch.

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

Yellow 12 volt fused battery powered lead for clock power.

Yellow 12 volt fused battery-powered lead for radio memory.

Orange 12 volt fed to RH courtesy lamp.

Gray 12 volt feed from the steering column.

Gray 12 volt feed to clock lamp.

Gray 12 volt feed from the switch to the blower motor.

Gray 12 volt fed to lamp circuit.

Tan 12 volt fused accessory powered lead for radio power.

Tan 12 volt feed for the ignition switch to the neutral safety switch.

Purple, Yellow, or Dk. Green 12 volt feed for clock lamp.

Purple, Yellow, or Dk. Green 12 volt feed for clock lamp.

Purple, Yellow, or Dk. Green 12 volt feed for clock lamp.