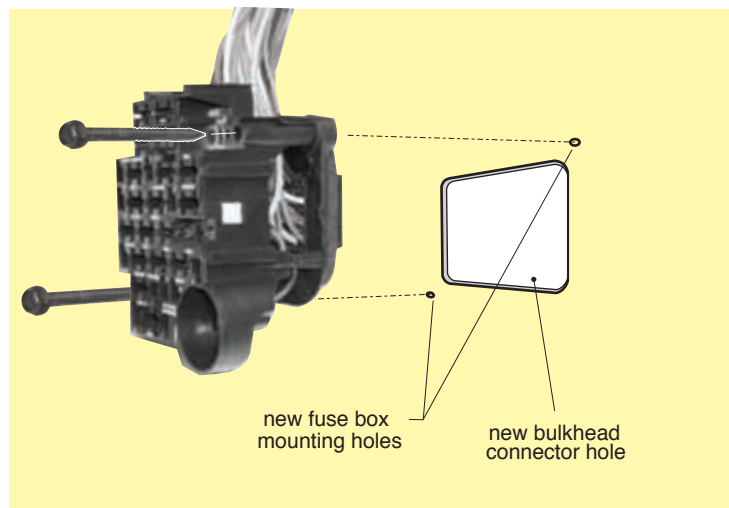


**INSTALLING THE FUSE BOX**



**Fuse Panel Installation Instructions**

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

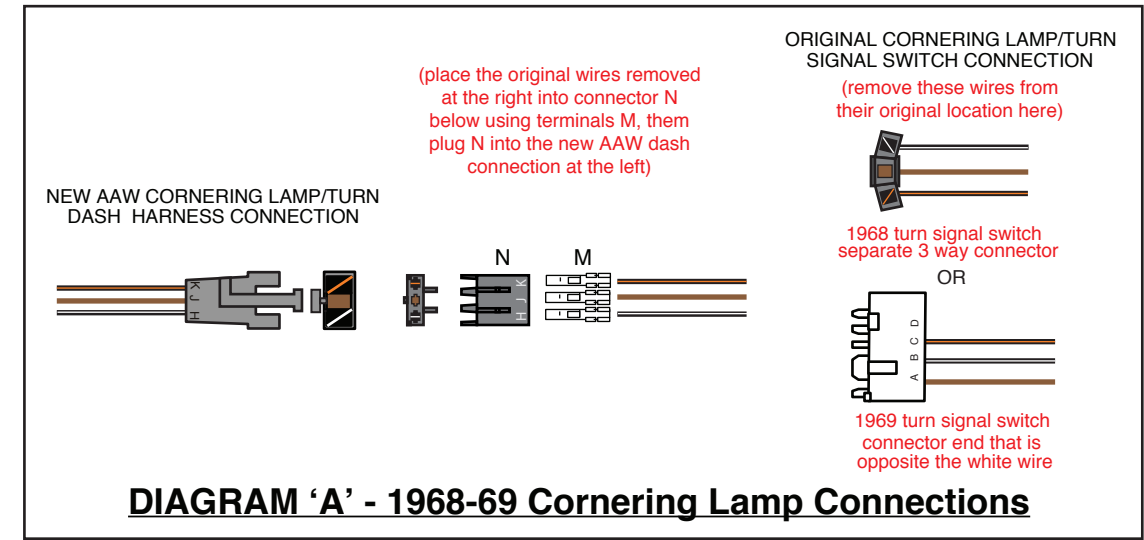
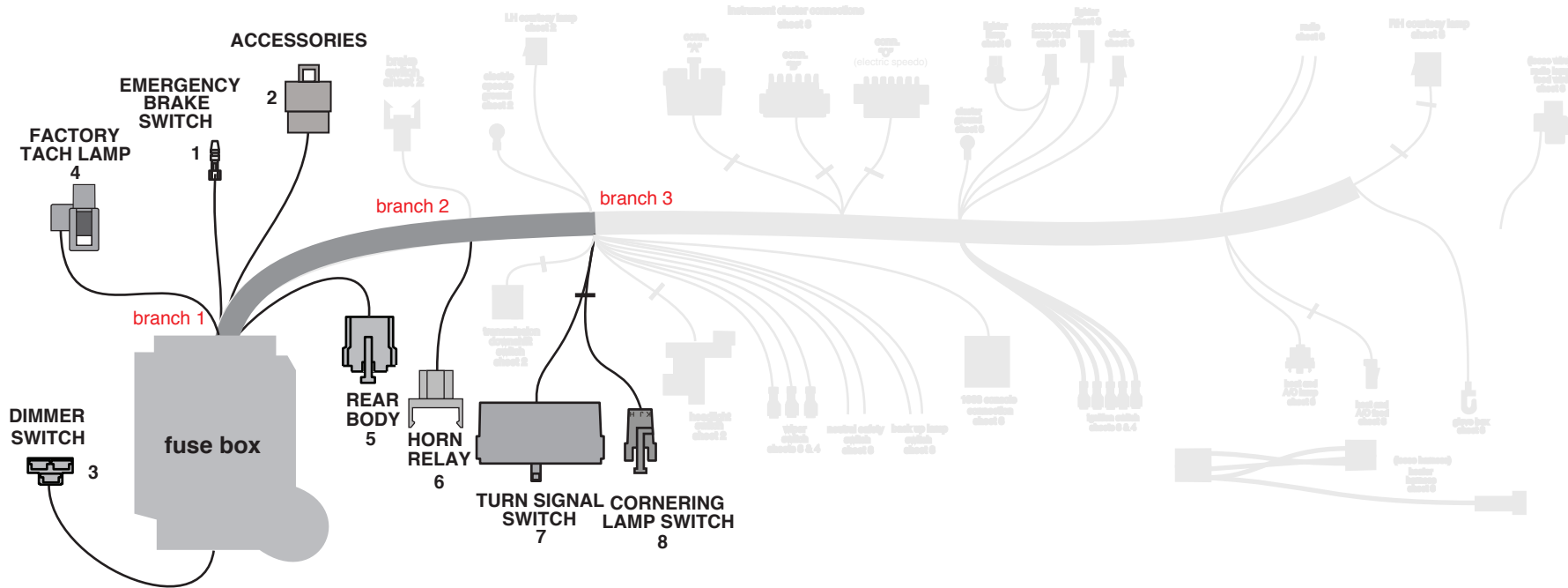
1. Study the diagram above to familiarize yourself with the dash harness.
2. Install the fuse box.
3. Route the dash harness using the factory support straps.
4. Make all connections as shown on the following pages of this dash harness kit.
5. Once this harness is installed, continue to bag 'H', and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

1. Locate the new bulkhead pass thru hole in the driver side of the firewall (no modifications to the stock hole are necessary).
2. Mount the fuse box with the flasher can in the bottom right corner, as shown above.
3. Using the two mounting screws A, attach the fuse panel to the firewall.



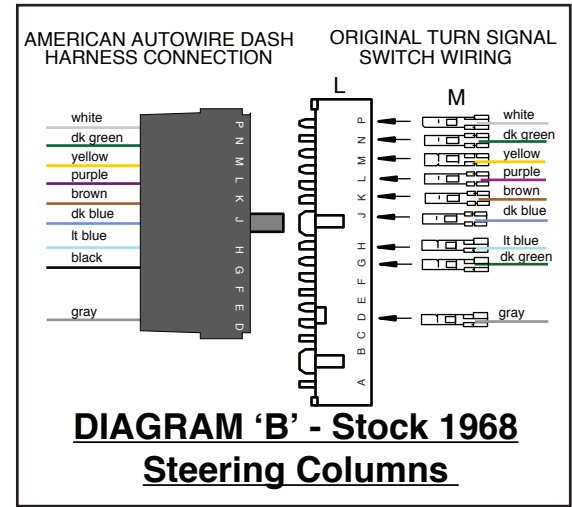
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**DIAGRAM 'A' - 1968-69 Cornering Lamp Connections**

<b>BRANCH 1</b>																								
1	EMERGENCY BRAKE	Tan	Connect to the emergency brake switch. This is the switched ground circuit for the brake warning lamp switch.																					
2	ACCESSORIES		Use the provided connector that is plugged into the dash harness along with the loose terminals in the loose piece parts kit to connect power leads for the following: <table border="0"> <tr> <td><b>Fuse</b></td> <td><b>Rating</b></td> <td></td> </tr> <tr> <td>Dark Blue</td> <td>FUEL</td> <td>15 amp 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 Fused 12-volt BATTERY feed for power seats (may also be used to feed power to another battery circuit).</td> </tr> <tr> <td>Red</td> <td>BAT2</td> <td>30 amp Fused 12-volt BATTERY feed for power door locks (may also be used to feed power to another accessory circuit).</td> </tr> <tr> <td>Pink</td> <td>IGN1</td> <td>20 amp Fused 12-volt IGNITION feed for cruise control (may also be used to feed power to another ignition circuit).</td> </tr> <tr> <td>Yellow</td> <td>PWRWDO</td> <td>30 amp Fused 12-volt IGNITION feed for power windows (may also be used to feed power to another ignition circuit).</td> </tr> <tr> <td>Tan</td> <td>ACCY1</td> <td>30 amp Fused 12-volt ACCESSORY feed (may also be used to feed power to an accessory circuit).</td> </tr> </table>	<b>Fuse</b>	<b>Rating</b>		Dark Blue	FUEL	15 amp Fused 12-volt IGNITION feed for fuel pump (may also be used to feed power to another ignition circuit).	Orange	BAT1	20 amp Fused 12-volt BATTERY feed for power seats (may also be used to feed power to another battery circuit).	Red	BAT2	30 amp Fused 12-volt BATTERY feed for power door locks (may also be used to feed power to another accessory circuit).	Pink	IGN1	20 amp Fused 12-volt IGNITION feed for cruise control (may also be used to feed power to another ignition circuit).	Yellow	PWRWDO	30 amp Fused 12-volt IGNITION feed for power windows (may also be used to feed power to another ignition circuit).	Tan	ACCY1	30 amp Fused 12-volt ACCESSORY feed (may also be used to feed power to an accessory circuit).
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Tan	ACCY1	30 amp Fused 12-volt ACCESSORY feed (may also be used to feed power to an accessory circuit).																						
3	DIMMER SWITCH	Yellow Light Green Tan	This connector will mate to the floor mounted dimmer switch (500042). 12-volt feed into dimmer switch from H/L switch. 12-volt feed out to high beam H/L. 12-volt feed out to low beam H/L.																					
4	FACTORY TACH LAMP	Brown	If your car is equipped with a factory hood tach, the lamp lead for your factory tach harness (not included with this kit) will plug in here.																					
5	REAR BODY	Tan Brown Yellow Dark Green Orange White Light Green Light Blue	This connector will mate with the connector from the Rear Body harness 510365, bag M. Fuel tank sender lead. Rear running lamp and tag lamp feed. LH turn / brake feed. RH turn / brake feed. Dome / courtesy lamp feed. Dome / courtesy lamp ground. Back up lamp feed. Third brake light.																					
<b>BRANCH 2</b>																								
6	HORN RELAY	Red Black Dark Green	Plug the horn relay (found in the fuse, relay, and flasher bag, 500707) into this connector. 12-volt battery for relay. Relay ground circuit (from steering column). Triggered 12-volts out to horn.																					
<b>BRANCH 3</b>																								
7	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. It will plug directly into all 1969-72 GTO models using a stock turn signal switch as well. If you are using a stock 1968 column and turn signal switch, connector L has been provided for you. Remove your original half moon connector, install terminals M onto each wire from your stock turn signal switch, then plug those terminals into connector L as shown above right in "Diagram B". Plug the completed connector L onto the AAW dash harness to complete the turn signal switch circuits. <b>(NOTE: There are 2 dark green wires in a stock 1968 turn signal switch. Be certain that you install the dark green wire that is along side of the yellow wire in the stock switch next to that same yellow wire when installing it into the new connector L).</b> If you are using an aftermarket column that utilizes the 4 1/4" column connection, remove the terminals from that connector or cut the connector off and crimp terminals M onto the wires from your switch, then plug those terminals into connector L maintaining color continuity with the new switch. <table border="0"> <tr> <td>White</td> <td>12-volt feed from brake switch.</td> </tr> <tr> <td>Dark Green</td> <td>RH rear stop and turn.</td> </tr> <tr> <td>Yellow</td> <td>LH rear stop and turn.</td> </tr> <tr> <td>Purple</td> <td>12-volt ignition feed from turn signal flasher.</td> </tr> <tr> <td>Brown</td> <td>12-volt battery feed from hazard flasher.</td> </tr> <tr> <td>Dark Blue</td> <td>RH front turn.</td> </tr> <tr> <td>Light Blue</td> <td>LH front turn.</td> </tr> <tr> <td>Black</td> <td>Horn relay ground to horn switch.</td> </tr> <tr> <td>Gray</td> <td>Illumination for column PRNDL shift indicator (1965-67 only).</td> </tr> </table>	White	12-volt feed from brake switch.	Dark Green	RH rear stop and turn.	Yellow	LH rear stop and turn.	Purple	12-volt ignition feed from turn signal flasher.	Brown	12-volt battery feed from hazard flasher.	Dark Blue	RH front turn.	Light Blue	LH front turn.	Black	Horn relay ground to horn switch.	Gray	Illumination for column PRNDL shift indicator (1965-67 only).			
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Black	Horn relay ground to horn switch.																							
Gray	Illumination for column PRNDL shift indicator (1965-67 only).																							
8	CORNERING LAMP SWITCH	(Optional on 1968 and 69 cars only) Brown Black/Orange Black/White	If your car has this option, you will need to cut these 3 wires from your stock turn signal switch assembly, crimp on terminals M and plug them into loose connector N maintaining color continuity with the dash harness as shown in "Diagram A" above right. Plug completed connector N into this location on the dash to complete your cornering lamp circuit. 12-volt feed from headlight switch. Feed out to RH cornering lamp. Feed out to LH cornering lamp.																					



**DIAGRAM 'B' - Stock 1968 Steering Columns**

**American Autowire**

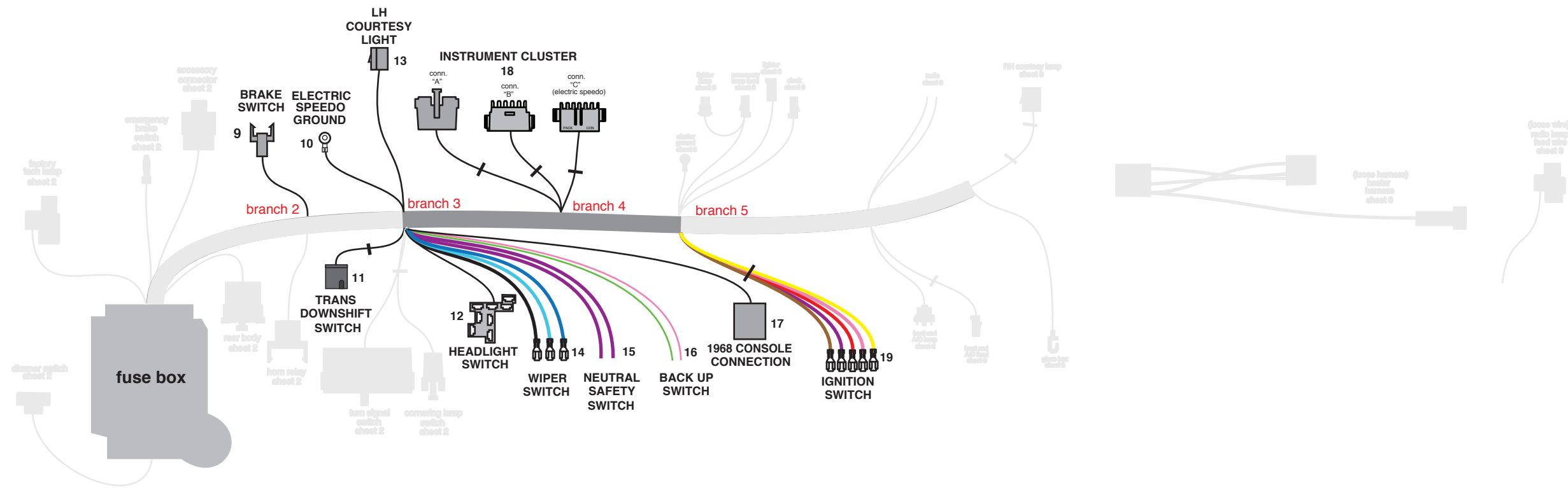
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1968-1972 GTO **G**

**DASH KIT**

**510541**

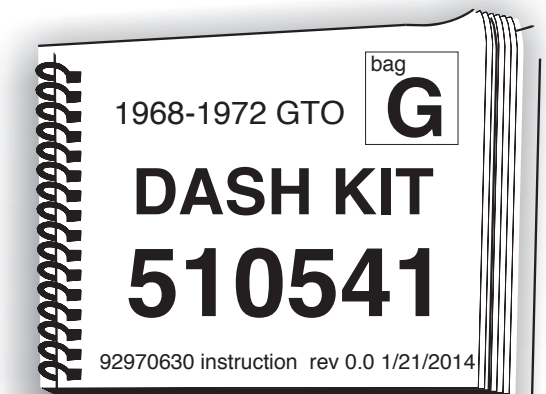
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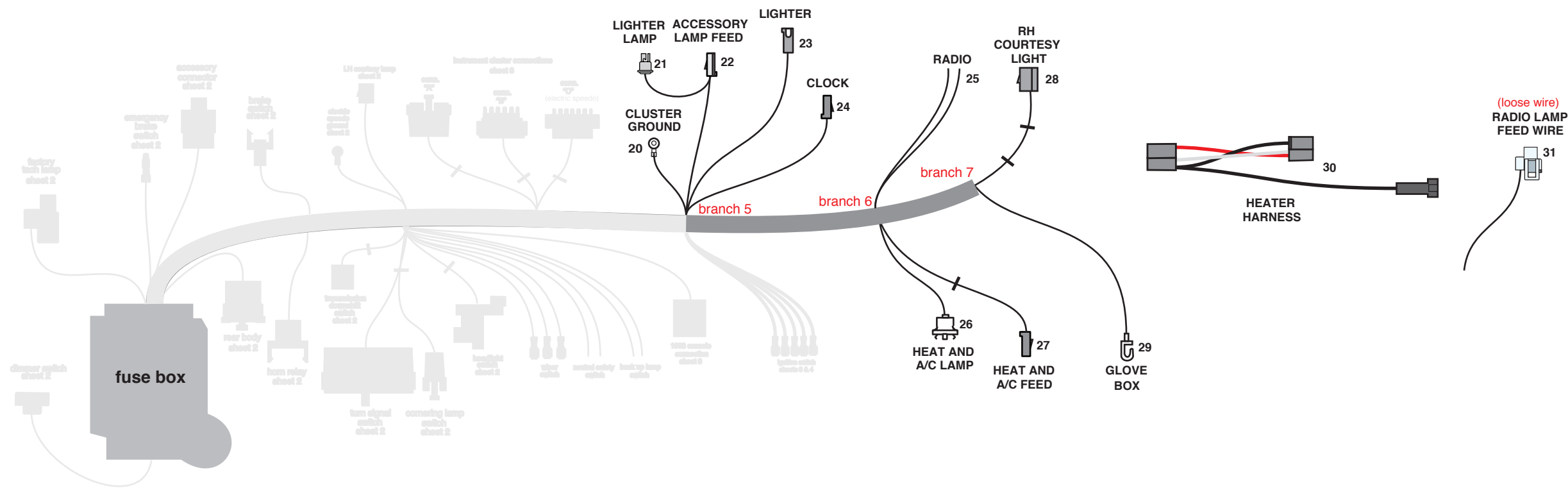


- BRANCH 2**
- 9 BRAKE LIGHT SWITCH  
 Orange Plug this connector onto your factory stop lamp switch.  
 White 12-volt fused battery feed to stop lamp switch.  
 Light Blue 12-volt out to turn signal switch.  
 12-volt out to third brake lamp.
- BRANCH 3**
- 10 ELECTRIC SPEEDO GROUND  
 Connect to the dash frame, steering column pedal saddle, or any other good known chassis ground. (DO NOT attach this together with item #20 from below. They may be grounded to the same surface or area, just not under the same screw or bolt).  
 Black/White Electric speedo ground.
- 11 AUTOMATIC TRANSMISSION DOWNSHIFT SWITCH  
 Pink/Black 12-volt ignition feed into gas pedal mounted automatic transmission kickdown switch.  
 Orange 12-volt feed out to bulkhead connector.
- 12 HEADLIGHT SWITCH  
 Red This connection will plug onto the new headlamp switch, 500332.  
 Orange Battery 12-volt input lead to switch for headlamps.  
 Brown Battery fused 12-volt input lead to switch for park / tail output and dash lamp input.  
 Yellow Park/tail lamp output.  
 Dark Green 12-volt output lead to dimmer switch for headlamps.  
 White Dash lamp output to fuse panel  
 Dome / Courtesy ground.
- 13 LH COURTESY LAMP  
 Orange Plug this connector into the mating LH courtesy lamp assembly from 500708, bag N.  
 White 12-volt battery fused feed.  
 Courtesy lamp switched ground.
- 14 WIPER SWITCH  
 There are three wiper switch configurations that were used between 1968 and 1972. See sheet 5 for detailed photos depicting the proper connections for the 1968, 1969, and 1970-72 applications. The connectors necessary to complete your particular application can be found in the loose piece kit bag contained in this dash harness, 500541.  
 Light Blue Ground for wiper motor high speed.  
 Black Ground for wiper motor low speed.  
 Dark Blue Ground for washer pump solenoid.
- 15 NEUTRAL SAFETY SWITCH  
 Connect these wires to your neutral safety switch, to the console connection #20 if your car has an automatic console, or together if you are using a manual transmission without an NSS.  
 Purple 12-volt feed in from ignition switch.  
 Purple Switched 12-volt feed out to starter solenoid.
- 16 BACK UP LAMP SWITCH  
 Connect these wires to your back up lamp switch or to the console connection #20 (light green only) if your car has an automatic console.  
 Light Green 12-volt feed out to back up lamps.  
 Pink 12-volt ignition feed into back up lamp switch.
- 17 1968 AUTOMATIC CONSOLE CONNECTION  
**NOTE:** This connector is only used in a 1968 application with an automatic transmission and it will plug into a stock console harness (Not included in this kit, but is available separately, P/N PL25280). If you have a 1968 car with an automatic transmission, take the neutral safety and back-up lamp wires from number 15 and 16 above over to this connection, cut them to length, install the loose piece female terminals included in this dash harness loose piece kit onto the wires, then plug those wires into this connector maintaining color continuity with your stock automatic console harness. If your car is a 1968 with a manual trans, you will have to splice your orange courtesy lamp lead into the orange wire at this location.
- BRANCH 4**
- 18 INSTRUMENT CLUSTER DISCONNECTS  
**NOTE:** These connectors will plug into the Instrument Cluster Harness, 510542, bag H. Circuit identifications for this branch are described on those instruction sheets.
- BRANCH 5**
- 19 IGNITION SWITCH  
 There are three very different ignition switch configurations that were used between 1968 and 1972. See sheet 5 for detailed photos depicting the proper wire plug-in connections for the 1968, 1969-70, and 1971-72 applications. **(NOTE: if you have a 1968 model with a dash mounted switch, you will need to re-use your original connector body as that connector is no longer available).** The 1969-70 and 1971-72 connector bodies necessary to complete your particular application can be found in the loose piece kit bag contained in this dash harness, 500541. The yellow ignition bypass wire MUST BE used in all 1968 thru 1970 model applications if using an original ignition switch, or the car WILL NOT start. If you have a 1971 or 72 model, the yellow wire can be taped back out of the way as it is not necessary, and it WILL NOT be used.  
 Red 12-volt battery feed into the ignition switch.  
 Pink 12-volt ignition feed out to the fuse panel.  
 Brown 12-volt accessory feed out to the fuse panel.  
 Purple 12-volt starter feed out to Neutral Safety Switch.  
 Yellow 12-volt ignition by-pass wire out to the bulkhead connector (used in 1968-70 applications ONLY!).



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**BRANCH 5**

- 20 INSTR. CLUSTER GROUND Connect to the dash frame, steering column pedal saddle, or any other good known chassis ground. (DO NOT attach this together with item #10 from above. They may be grounded to the same surface or area, just not under the same screw or bolt).  
Black Cluster and dash lamp grounds.
- 21 CIGAR LIGHTER LAMP Gray Fused dash lamp bulb socket assembly for cigar lighter.
- 22 ACCESSORY LAMP FEED Gray Fused dash lamp feed for various dash lamps (radio, ashtray, etc.). Your existing accessory dash lamp extensions (not included with this kit, other than the #31 loose piece radio lamp wire below) will plug onto this connection.
- 23 CIGAR LIGHTER FEED Orange Fused 12-volt battery feed for cigar lighter.
- 24 CLOCK BATTERY Yellow Fused 12-volt battery feed for dash mounted clock.

**BRANCH 6**

- 25 RADIO Tan 12-volt fused accessory power feed to radio ("ON" and "OFF").  
Yellow 12-volt fused battery feed for clock and memory (hot all the time).
- 26 HEATER CONTROL LAMP Gray Fused dash lamp bulb socket assembly for heater control assembly.
- 27 HEATER AND A/C FEED Brown This is your fused 12-volt accessory feed for your heat and A/C system. Plug this connector onto the stock heater switch, into the factory A/C harness, or use it as the "key-on" feed wire for any aftermarket heat or A/C system.

**BRANCH 7**

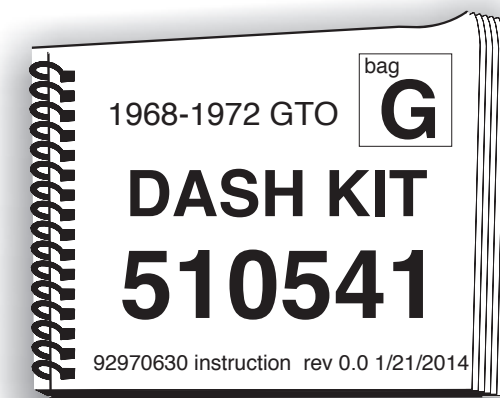
- 28 RH COURTESY LAMP Orange Plug this connector into the mating RH courtesy lamp assembly from 500708, bag N.  
White 12-volt battery fused feed.  
White Courtesy lamp switched ground.
- 29 GLOVEBOX LAMP Orange 12-volt fused battery feed for glovebox lamp.

**LOOSE WIRES**

- 30 HEATER HARNESS **NOTE:** This harness is ONLY used on vehicles with a stock heater only set-up. It will not be used on a vehicle with factory A/C or any type of aftermarket heat or A/C system. Plug this completed harness assembly onto your stock heater control switch, resistor, and blower motor assembly to complete the heater circuits.  
White From heater switch to resistor.  
Red From heater switch to resistor.  
Black From heater switch to resistor and blower motor.
- 31 RADIO LAMP WIRE Gray This is a loose piece wire and connector. You can re-use your original harness or use this loose wire assembly to rebuild your radio lamp wire. You will need to re-use your original radio lamp socket, as they are not available. Remove the original socket from your stock harness and slide it onto the loose end of this new wire assembly, then install the new brass rivet terminal included in the loose piece kit of this dash harness. Plug item #22 "ACCESSORY LAMP FEED" into the male portion of this connector assembly to complete the circuit.



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**NOTE:** On this page, you will find detailed photos depicting how to plug in your ignition switch and wiper switch connector(s). They differ from application to application, and year to year, so please pay close attention, and be sure that you are choosing the proper application for your car.

## WINDSHIELD WIPER AND WASHER ASSEMBLY PLUG-INS AND APPLICATIONS



1968 ALL



1969 ALL



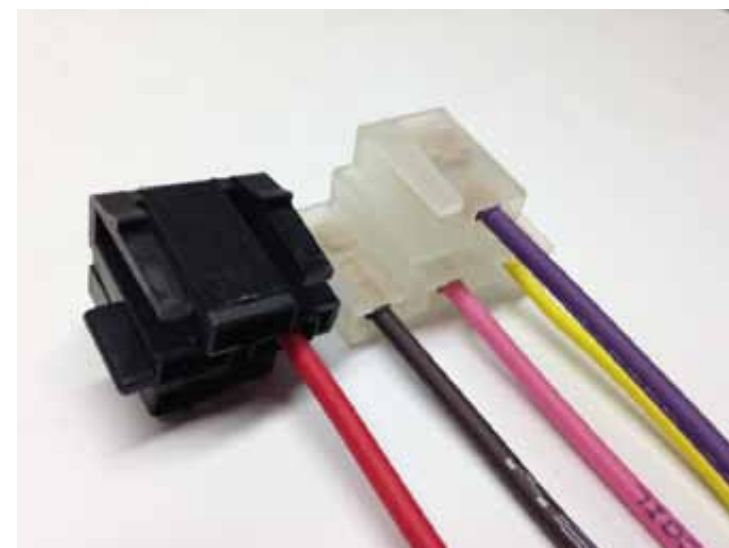
1970-1972 ALL

## IGNITION SWITCH ASSEMBLY PLUG-INS AND APPLICATIONS

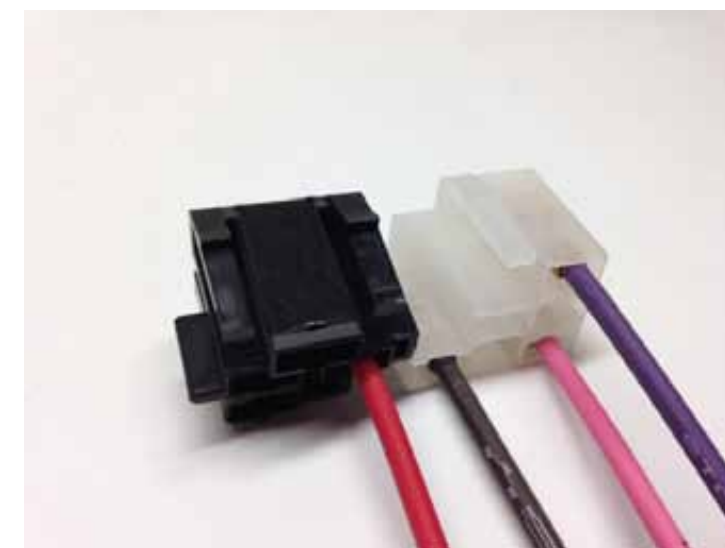


1968 Ignition Switch

(You must re-use your original ignition switch connector as it is not available at this time)



1969-1970 Ignition Switch



1971-1972 Ignition Switch

(The yellow wire is NOT USED in this application)



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