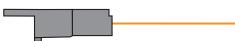


(4-way female connector, 1 pc.) (Ignition Switch 1969-72)



(Glove Compartment Light Extension - Reference, 1 pc.) (1968,69)



Т



(3-way male connector, 2 pcs.)



(male terminal, 4 pcs.)



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Note: Prior to installing the Dash Harness, obtain the Fuse, Flasher, and Relay Kit #500707 (located in Bag G) and plug all of the Fuses in the Fuse Block (See page 8 for the location of the fuses). Install the Horn Relay (see Circuit Branch #2) to the Dash Harness.

See the Parts Legend on page 3 for an illustration of the Jumpers and the wiring components.

#### **Dash Harness Routing**

The Dash Harness routing will be the same as the original factory Instrument Panel Wiring Harness routing. Be sure to duplicate this routing. Now proceed to the individual Circuit Branch Instructions below.

#### Circuit Branch #1

#### **Bulkhead/Fuse Block Assembly Attachment**

Locate the original factory Bulkhead Connector hole in the Firewall. The new Bulkhead/Fuse Block Assembly will mount in this same Firewall hole. Use 2 Screws (item "F" from Loose Parts Kit 92971585) to attach the Bulkhead/Fuse Block Assembly to the Firewall.

**Headlight Dimmer Switch Connector** This wiring branch will route to the **Dimmer Switch 500042 (located in Bag G)**. Attach the 3-way Dimmer Switch connector to the Dimmer Switch and attach to the Floor Pan in the original location.

| Wire Color Printing | ng             | <u>Description</u>               |
|---------------------|----------------|----------------------------------|
| Yellow DIMM         | ER SW FEED     | Feed from the Headlight Switch.  |
| Light Green HEAD    | LIGHT-HI BEAM  | Feed to the High Beam Headlights |
| Tan HEAD            | LIGHT-LOW BEAM | Feed to the Low Beam Headlights  |
| 3                   |                | ŭ                                |

Park Brake Switch Connector Plug this male bullet Park Brake Switch connector onto your Parking Brake Switch

| Wire # | Wire Color | <u>Printing</u> | <u>Description</u> |
|--------|------------|-----------------|--------------------|
|        |            |                 |                    |

33A Tan BRAKE LIGHT/SWITCH Parking Brake Switch Warning Light Control Wire.

Under Hood Light Connector Plug this 1-way black connector onto your Under Hood Light.

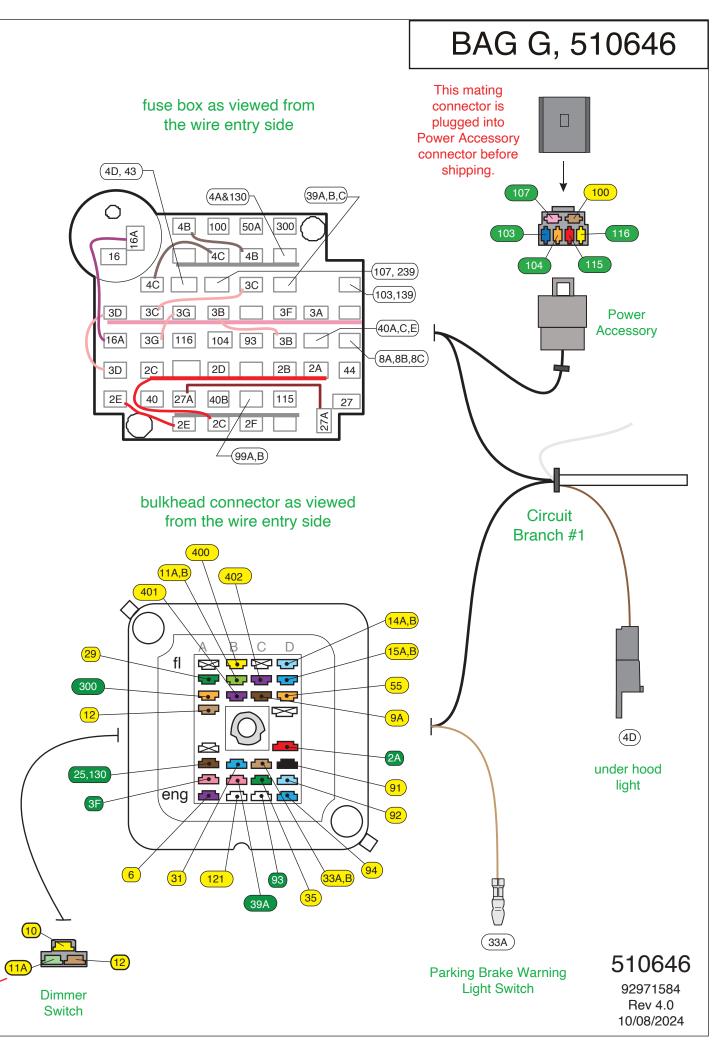
| Wire # | Wire Color | <u>Printing</u> | <u>Description</u>                             |
|--------|------------|-----------------|--|
| 4D     | Brown      | no printing     | Feed to the original factory Under Hood Light. |

Power Accessory Connector Use the provided 6-way empty connector, which is attached to the 6-way Power Accessory connector on the Dash Harness, and terminals "J" and "R" (see Page 3 – the Parts Legend) included in Parts Kit 92971585 in Bag G, to add power wires (not provided) for the following optional systems:

#### **Dash Harness Power Accessory Connector**

| Wire # | Wire Color | <u>Printing</u> | Name on Fuse Block | Fuse Rating | Description   |
|--------|------------|-----------------|--------------------|-------------|---|
| 100    | Tan        | no printing     | ACCY1              | 30A         | Fused 12 volt <b>ACCESSORY</b> feed (may also be used to feed power to an accessory circuit).                       |
| 103    | Dark Blue  | no printing     | FUEL               | 15A         | Fused 12 volt <b>IGNITION</b> feed for fuel pump (may also be used to feed power to another ignition circuit).      |
| 104    | Orange     | no printing     | BAT1               | 20A         | Fused 12 volt <b>BATTERY</b> feed for power seats (may also be used to feed power to another battery circuit).      |
| 107    | Pink       | no printing     | IGN1               | 20A         | Fused 12 volt <b>IGNITION</b> feed for cruise control (may also be used to feed power to another ignition circuit). |
| 115    | Red        | no printing     | BAT2               | 30A         | Fused 12 volt <b>BATTERY</b> feed for power door locks (may also be used to feed power to another battery circuit). |
| 116    | Yellow     | no printing     | PWRWDO             | 30A         | Fused 12 volt <b>IGNITION</b> feed for power windows (may also be used to feed power to another ignition circuit).  |





#### Circuit Branch #1 (continued)

Rear Body Connector This 9-way connector will plug into the 9-way connector of the Rear Body Harness Kit 510650 in Bag M.

| Wire # | Wire Color  | Printing              | <u>Description</u>   |
|--------|-------------|-----------------------|--|
| 9B     | Brown       | REAR RUNNING LIGHTS   | Feed for the Tail Lights, the License Light, the Rear Running Lights, and the Rear Side Marker Lights. |
| 17A    | Light Blue  | THIRD BRAKE LIGHT     | Feed for an aftermarket Third Brake Light.   |
| 18     | Yellow      | LEFT REAR TURN        | Feed to the Left Rear Stop and Turn Lights.  |
| 19     | Dark Green  | RIGHT REAR TURN       | Feed to the Right Rear Stop and Turn Lights.   |
| 24     | Light Green | BACK UP LT SW> LIGHTS | Feed from the Back-up Light Switch to the Back-up Lights.  |
| 30     | Tan         | GAS GAUGE             | Fuel Tank Sender.  |
| 40D    | Orange      | 12V BATTERY-FUSED     | 12V Battery feed to the Trunk Light.   |
| 156A   | White       | CTSY GROUND           | Switched Ground for the Dome/Courtesy Lights.  |
|        |             |                       |  |

#### Circuit Branch #2

Horn Relay Connector If you haven't already; plug the Horn Relay (included in kit #510646 in Bag G) into this connector.

| Wire # | Wire Color | <u>Printing</u>   | Description  |
|--------|------------|-------------------|--|
| 2F     | Red        | 12V BATTERY       | 12V Battery feed to the Horn Relay.                      |
| 28     | Black      | HORN RELAY GROUND | Relay ground circuit to the Steering Column Horn Switch. |
| 29     | Dark Green | HORN              | Feed to the Horns.                                       |

#### Circuit Branch #3

Page 5

Left Hand Courtesy Light See Courtesy Light Connection Kit #500708 in Bag N, for Courtesy Light harness installation instructions. If you are using your stock door jamb switches, replace the single bullet type terminal, of the #500708 harness, with terminal "V" and connector "U". NOTE: This Courtesy Light utilizes a #631 Bulb (which is not included in this kit).

| Wire #  | Wire Color | <u>Printing</u>     | <u>Description</u>                         |
|---------|------------|---------------------|--|
| 40A, D  | Orange     | 12V BATTERY - FUSED | 12V Battery feed to the LH Courtesy Light. |
| 156B, C | White      | CTSY GROUND         | Switched ground for the LH Courtesy Light. |

Aftermarket Electric Speedo Ground Note: Do not attach this ring terminal with any other ground ring terminal; it must be grounded all by itself to a good vehicle ground.

| Wire # | Wire Color  | Printing      | Description                                   |
|--------|-------------|---------------|---|
| 151    | Black/White | SPEEDO GROUND | Ground for an Aftermarket Electric Speedomete |

Wiper Switch Connections Use either connector "N" or "P", depending on the apllication. See page 8 for installation instructions.

| Wire # | Wire Color | Printing              | <u>Description</u>                        |
|--------|------------|-----------------------|---|
| 91     | Black      | WIPER-LO SPEED GROUND | Low speed signal to the Wiper Motor.      |
| 92     | Light Blue | WIPER-HI SPEED GROUND | High speed signal to the Wiper Motor.     |
| 94     | Dark Blue  | WIPER - WASHER GROUND | Signal from Washer Switch to Washer Motor |

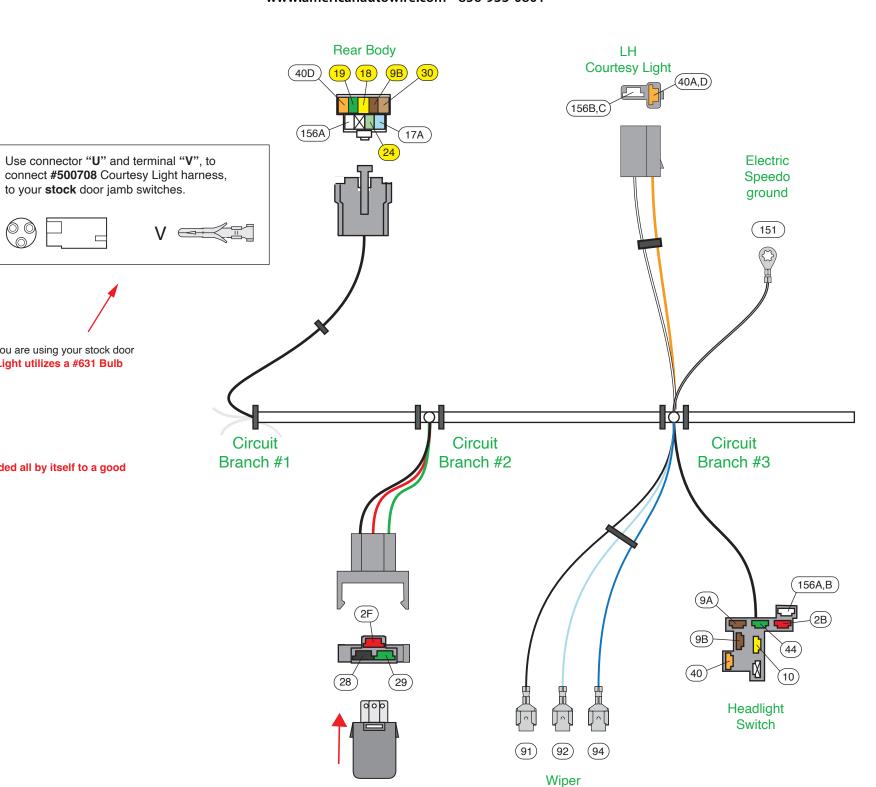
**Headlight Switch Connector** Plug this 8-way connector onto the Headlight Switch.

| 1 | J       |            | ,                   | 3   |
|---|---------|------------|---------------------|---|
|   | Wire #  | Wire Color | <u>Printing</u>     | Description   |
|   | 2B      | Red        | 12V BATTERY         | 12V Battery feed to the Headlight Switch for the Headlights.  |
|   | 9A      | Brown      | PARK LIGHTS         | Feed to the Front Park Lights.  |
|   | 9B      | Brown      | REAR RUNNING LIGHTS | Feed to the Rear Running Lights.  |
|   | 10      | Yellow     | DIMMER SW FEED      | Feed to the Headlight Dimmer Switch.  |
|   | 40      | Orange     | 12V BATTERY-FUSED   | 12V Fused Battery feed to the Headlight Switch for the Park Lights, the Courtesy Lights, the Dome Light, and the Trunk Light. |
|   | 44      | Dark Green | no printing         | Feed for Park/Rear Running lights.  |
|   | 156A, B | White      | CTSY GROUND         | Switched ground for the LH Courtesy Light.  |
|   |         |            |                     |   |



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to your stock door jamb switches.



Switch

Horn Relay

510646

BAG G, 510646

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#### Circuit Branch #4

<u>Turn Signal Switch Preparation</u> NOTE: For all of the vehicles, the Turn Signal Switch is mounted to the Steering Column. You will continue to use this original Turn Signal Switch, but will have to remove the original connector from the pigtail and replace this connector with the black 14-way connector "G" and terminals "H" (located in Parts Kit 92971585 in Bag G). See Diagram 'A' and "Table A" on page 8 for details.

**Turn Signal Switch Connector** Once you have modified the original Turn Signal Switch Pigtail by adding the black 14-way male connector "**G**", obtain the 11-way Turn Signal Switch connector, which is part of the Dash Harness, and plug it into the 14-way connector "**G**" of the Turn Signal Switch.

| Wire # | Wire Color | Printing                   | <u>Description</u>                                      |
|--------|------------|----------------------------|---|
| 14B    | Light Blue | LEFT FRONT TURN            | Left Front Turn Signal feed.                            |
| 15B    | Dark Blue  | RIGHT FRONT TURN           | Right Front Turn Signal feed.                           |
| 16     | Purple     | TURN SWITCH FEED           | Turn Signal Switch feed from the Turn Signal Flasher.   |
| 17B    | White      | BRAKE SW                   | Brake Switch feed to the Turn Signal Switch.            |
| 18     | Yellow     | LEFT REAR TURN             | Feed to the Left Rear Turn Signal Light.                |
| 19     | Dark Green | RIGHT REAR TURN            | Feed to the Right Rear Turn Signal Light.               |
| 27     | Brown      | TURN SW – HAZARD           | Feed from the Hazard Flasher.                           |
| 28     | Black      | HORN RELAY                 | Ground from the Horn Relay to the Horn Switch.          |
| 1 4    | Ol.,t Oti- | The second second 20 of se | to the constant of the Oceans Observe Wit Edgeon in Dem |

Instrument Cluster Connections These connectors will plug to the connectors of the Gauge Cluster Kit 510636 in Bag H.

#### Cluster Connector "A"

| Wire #    | Wire Color            | Printing       | Descriptiong   |  |
|-----------|-----------------------|----------------|--|--|
| 25        | Brown                 | ALTERNATOR IGN | Alternator warning light feed.                         |  |
| 33B       | Tan                   | BRAKE          | Parking Brake / Brake Low Pressure warning light feed. |  |
| 39B, D    | Pink                  | 12V IGNITION   | 12V Fused Ignition feed.                               |  |
| 39D, E    | Pink                  | 12V IGNITION   | 12V Fused Ignition feed.                               |  |
| 39E       | Pink                  | 12V IGNITION   | 12V Fused Ignition feed.                               |  |
| 150A      | Black                 | GROUND         | Cluster ground.  |  |
| Cluster C | Cluster Connector "B" |                |  |  |

| 0.0000 |        |             |                         |  |
|--|--------|-------------|-------------------------|--|
|  | Wire # | Wire Color  | Printing                | Description  |
|  | 8A     | Gray        | DASH LIGHTS             | Illlumination Light feed for the Cluster Illlumination Lights. |
|  | 8B     | Gray        | DASH LIGHTS             | Illlumination Light feed for the Cluster Illlumination Lights. |
|  | 11B    | Light Green | HI BEAM INDICATOR LIGHT | Feed to the High Beam Indicator Light.                         |
|  | 14A    | Light Blue  | LEFT DASH IND           | Feed for the Left Turn Signal Indicator Light.                 |
|  | 15A    | Dark Blue   | RIGHT DASH IND          | Feed for the Right Turn Signal Indicator Light.                |
|  | 30     | Tan         | GAS GAUGE               | Fuel Gauge Signal from the Fuel Tank Sending Unit.             |
|  | 31     | Dark Blue   | OIL PRESSURE SENDER     | Oil Pressure Sender Signal from the Engine.                    |
|  | 35     | Dark Green  | WATER TEMP SENDER       | Water Temperature Sender Signal from the Engine.               |
|  | 121    | White       | COIL> TACH              | Tachometer feed to the Ignition Coil.                          |
|  |        |             |                         |  |

Cluster Connector "C" This connector contains the wires for an Aftermarket Electric Speedometer. NOTE: Wires "400" and "401" must remain twisted together.

|   | Wire #  | Wire Color   | Printing      | <u>Description</u>                                    |  |
|---|---|--------------|---------------|---|--|
|   | 139   | Pink/White   | SPEEDO POWER  | Fused 12V Ignition feed for the Electric Speedometer. |  |
|   | 151   | Black/White  | SPEEDO GROUND | Electric Speedometer Ground.                          |  |
|   | 400   | Yellow       | VSS GROUND    | Vehicle Speed Sensor Ground.                          |  |
|   | 401   | Purple       | VSS SIGNAL    | Vehicle Speed Sensor Signal.                          |  |
|   | 402   | Purple/White | VSS POWER     | Vehicle Speed Sensor Power.                           |  |
|   | Brake Light Switch Connector Connect this 2-way black connector to the Brake Switch; polarity doesn't matter. |              |               |   |  |
|   | Wire #  | Wire Color   | Printing      | <u>Description</u>                                    |  |
| ı |   |              | DD 41/E 011/  |   |  |

| Wire # | Wire Color       | <u>Printing</u>   | <u>Description</u>                           |
|--------|------------------|-------------------|--|
| 17A, B | Light Blue/White | BRAKE SW          | Brake Switch feed to the Turn Signal Switch. |
| 40C, G | Orange           | 12V BATTERY-FUSED | 12V Battery Fused feed from the Fuse Block.  |

Neutral Safety Switch Connector Plug into original Neutral Safety Switch. For 1969-72 factory Manual Transmission cars, NSS extension part number 13490 is required. 13490 sold separately, no included in this kit. If you are not using a NSS, plug the "E" Neutral Safety Switch Jumper Harness into the Neutral Safety Switch connector on the Dash Harness, in order for the car to start.

| Wire# | Wire Color | <u>Printing</u>       | <u>Description</u>                  |
|-------|------------|-----------------------|-------------------------------------|
| 5A    | Purple     | NEUTRAL SAFETY SWITCH | Feed from Ignition Switch to NSS.   |
| 6     | Purple     | STARTER SOLENOID-S    | Goes from NSS to the starter soleno |

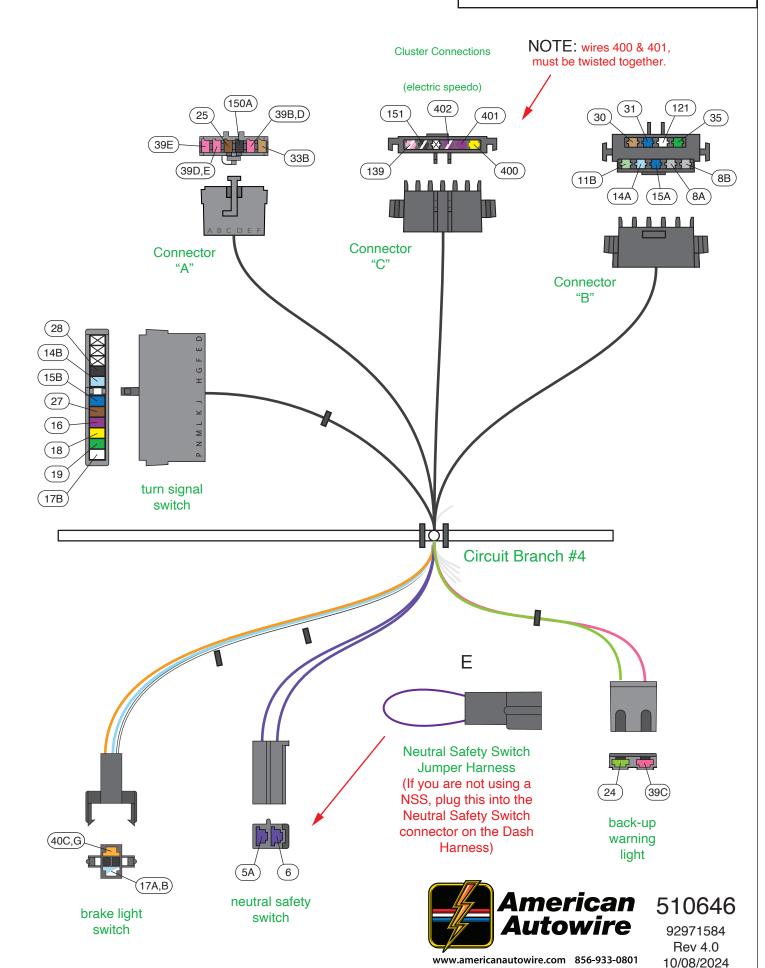
Back-up Warning Light Connector (4-spd Manual Transmission Vehicles only)

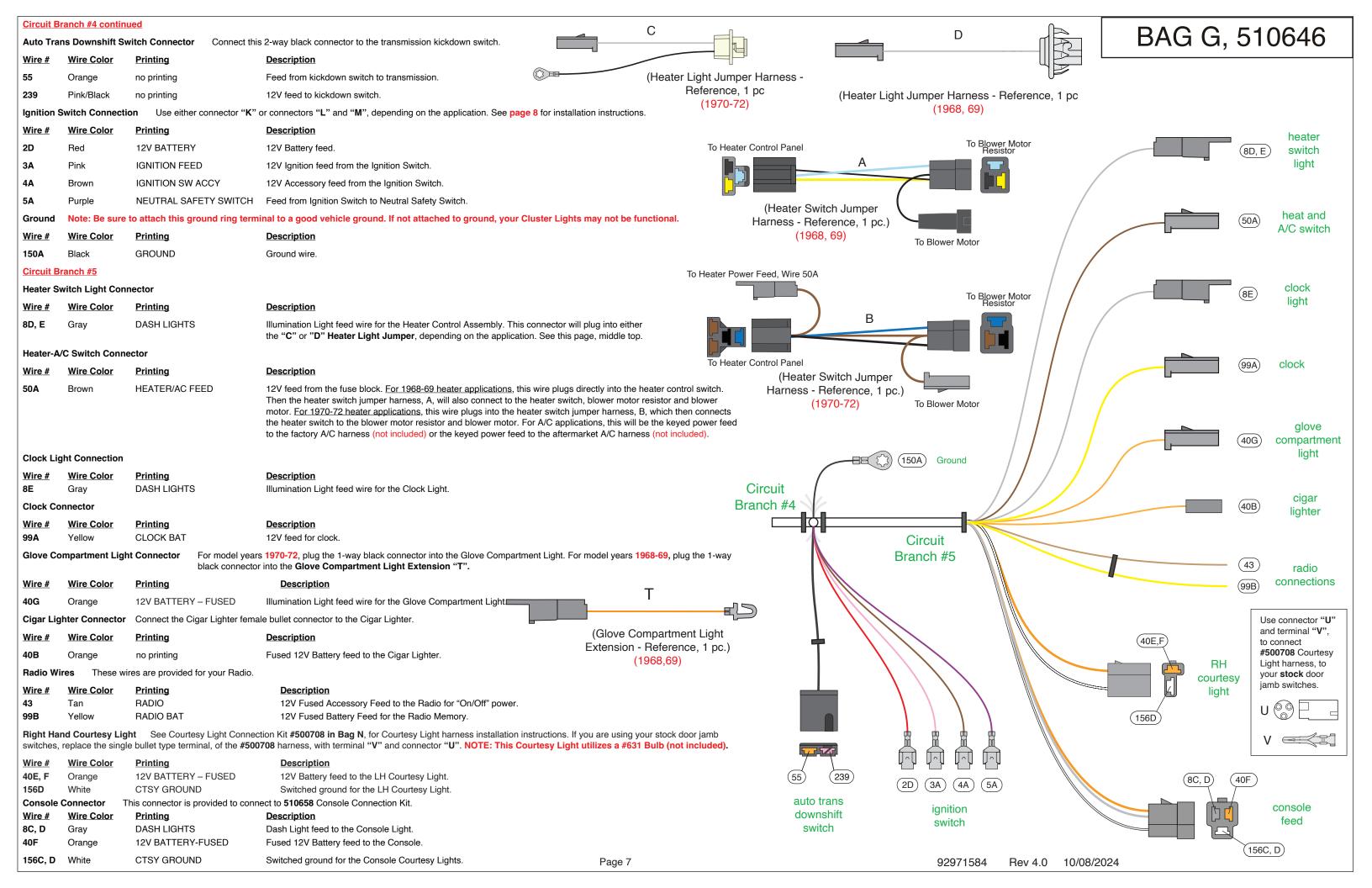
This connector provides a feed to the Back-up Gear Warning Light that is mounted on the lower Dash for Manual Transmission vehicles. Plug the pigtail of your original Back-up Light into this connector.

Page 6

| Wire # | Wire Color  | <u>Printing</u>       | Description  |
|--------|-------------|-----------------------|--|
| 24     | Light Green | BACK UP LT SW> LIGHTS | Feed from the Back-up Light Switch.                  |
| 39C    | Pink        | 12V IGNITION          | Fused 12V Ignition feed to the Back-up Light Switch. |

BAG G, 510646





## AMERICAN AUTOWIRE DASH HARNESS CONNECTION **TURN SIGNAL SWITCH WIRING** G Η white dk green yellow purple brown dk blue It blue black - BLANK ■ BLANK → BLANK **DIAGRAM 'A' - AAW Turn Signal Switch Wires**

## "Table A"

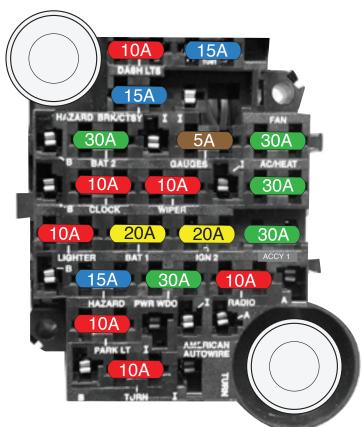
BAG G, 510646

# AAW Turn Signal Switch wires to stock 1968-72 Olds Cutlass Turn Signal Switch

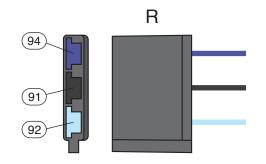
| AAW<br>Wire #   | AAW<br>Wire Color  | AAW Wire Printing   | Connector<br><u>Cavity</u>                     | Function   |
|---|--|---|--|--|
| 17B<br>19<br>18<br>16<br>27<br>15B<br>14B<br>28<br>None<br>None | White Dark Green Yellow Purple Brown Dark Blue Light Blue Black None None None | Brake SW Right Rear Turn Left Rear Turn Turn Switch Feed Turn SW - Hazard Right Front Turn Left Front Turn Horn Relay Ground None None None | P<br>M<br>L<br>K<br>J<br>H<br>G<br>F<br>E<br>D | White Dark Green Yellow Purple Brown Dark Blue Light Blue Black None None None |
|   |  |   |  |  |

NOTE: The Steering Column Horn Button switches ground for a Horn Relay, which then switches power to the Horns, similar to the AAW design.

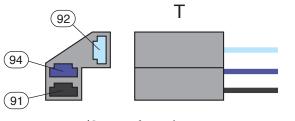
### Fuse Locations on Fuse Block





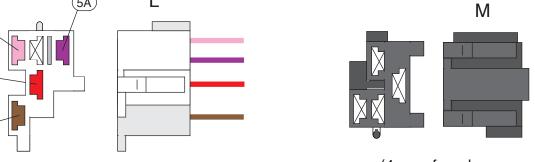


(3-way female connector, 1 pc.) (wiper switch 1970-72)



(3-way female connector, 1 pc.) (wiper switch 1968, 69)

## **Ignition Switch connections**



(5-way female

connector, 1 pc.)

(Ignition Switch 1969-72)

(7-way female connector, 1 pc.)

(Ignition Switch 1968)

(4-way female connector, 1 pc.) (Ignition Switch 1969-72) CONNECTOR "M"
HAS NO WIRES, BUT
IS ATTACHED TO
CONNECTOR "L" IN
ORDER TO INSTALL
IT ONTO THE
IGNITION SWITCH.



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