

1969 Chevelle Factory Dash Gauges Conversion Harness Installation Instructions

STOP:

This wiring kit is intended for the modification of the existing dash, engine, and front light harnesses of an “*original*” 1969 Chevelle equipped with “Warning Lights” that is being converted over to “Factory Tach and Gauges”. If your vehicle is not an “*original*” Warning Lights car with stock wiring harnesses, this kit is incorrect, and will not work in your vehicle. If you are unsure of the original configuration of your vehicle, are completely re-configuring your vehicle, or the original wiring in your car is in poor condition, The Parts Place, Inc. suggests that you purchase a complete set of Factory-Fit replacement harnesses that are tailored to the final configuration desired for your vehicle.

These instructions provide a step-by-step procedure to add the dash harness wiring extension, and engine compartment wiring extensions that are necessary to add factory tach and gauges to a car that was NOT originally equipped with factory tach and gauges. To properly complete the wiring for this new configuration, it will be necessary to modify the dash harness, as well as, both the engine and front light harnesses. All necessary wires and instructions for this modification are included in this kit.

Please refer to the pictorial view of the harness on page 3 and the connector diagrams on page 4 for a detailed view of the connector cavity indexing. These drawings will be referenced throughout the installation of this kit. The drawings on page 4 show the wire colors in the connector cavities as they appear in the original warning lamp configuration before starting the conversion (FIGURE A), and after completing the tach and gauge conversion (FIGURE B).

DASH SIDE MODIFICATIONS

NOTE: You must remove the light bulbs from the lamp sockets on the stock “Warning Light” harness containing the dk. green/pink; dk. blue/pink; and brown/pink wires. Tape those lamp sockets back to the trunk of the dash harness, as they will no longer be used.

RH END OF GAUGE DASH HARNESS EXTENSION (As shown on page 3. Bulkhead plug-in orientation shown on page 4):

AMMETER GAUGE

- 1. Plug the loose terminal on the black wire (105A on page 3) from the Dash Side Gauge Harness Extension into the fuse block bulkhead connector at location S-A as shown on page 4.
- 2. Plug the loose terminal on the black/white stripe wire (106A on page 3) from the Dash Side Gauge Harness Extension into the fuse block bulkhead connector at location S-B as shown on page 4

FUEL GAUGE

- 1. Use your original connection. No modification is necessary.

OIL PRESSURE GAUGE

- 1. Locate the original dark blue wire found at location Z-B in the fuse block bulkhead connector as shown on page 4 and remove it from the connector. Plug the loose terminal on the dark blue wire (31A on page 3) from the Dash Side Gauge Harness Extension into the fuse block bulkhead connector at location Z-B as shown on page 4.

TEMPERATURE GAUGE

- 1. Locate the original dark green wire found at location T-C in the fuse block bulkhead connector as shown on page 4 and remove it from the connector. Plug the loose terminal on the dark green wire (35A on page 3) from the Dash Side Gauge Harness Extension into the fuse block bulkhead connector at location T-C as shown on page 4.

TACHOMETER

- 1. Plug the loose terminal on the brown wire (121A on page 3) from the Dash Side Gauge Harness Extension into the fuse block bulkhead connector at location X-A as shown on page 4.

ORIGINAL GENERATOR WARNING LIGHT

No electrical modifications are necessary to the dash harness. As “**NOTED**” above, simply remove the light bulb from the generator warning lamp socket (lamp socket with the brown and pink wires), and tape that lamp socket back to the trunk of the original dash harness.

ORIGINAL TEMPERATURE WARNING LIGHT

No electrical modifications are necessary to the dash harness. As “**NOTED**” above, simply remove the light bulb from the temperature warning lamp socket (lamp socket with the dark green and pink wires), and tape that lamp socket back to the trunk of the original dash harness.

ORIGINAL OIL PRESSURE WARNING LIGHT

No electrical modifications are necessary to the dash harness. As “**NOTED**” above, simply remove the light bulb from the oil pressure warning lamp socket (lamp socket with the dark blue and pink wires), and tape that lamp socket back to the trunk of the original dash harness.

POWER CONNECTIONS

- 1. Plug the orange wires (140A&B on page 3) from the Dash Side Gauge Harness Extension into the fuse block assembly location marked “BAT” as shown on page 4.
- 2. Plug the pink wires (39A&B on page 3) from the Dash Side Gauge Harness Extension into the fuse block assembly location marked “IGN” as shown on page 4.



WWW.THEPARTSPLACEINC.COM

510401

GAUGE CONVERSION HARNESS
1969 CHEVELLE

©1986,1990,1993, 2010 American Autowire all rights reserved Information and illustrations on this instruction sheet are the property of American Autowire, Inc. No part of this sheet may be reproduced without licensing approval from American Autowire, Inc.

The Parts Place 630 Enterprise Ave. DeKalb, IL 60115 - 630-365-1800

92971158 INSTRUCTION SHEET REV. 0.0 1/19/2015

LH END OF GAUGE DASH HARNESS EXTENSION (As shown on page 3. Cluster plug-in orientation shown on page 5):

AMMETER GAUGE

- 1. Plug the tan connector on the Dash Side Gauge Harness Extension containing the black and black/white stripe wires (105A and 106A on pages 3 and 5) onto your ammeter gauge assembly.

FUEL GAUGE

- 1. Use your original connection containing the pink, tan, and black wires. No modification is necessary.

OIL PRESSURE GAUGE

- 1. Plug the black connector on the Dash Side Gauge Harness Extension containing the dark blue and pink wires (31A and 39B&C on pages 3 and 5) onto your oil pressure gauge assembly.

TEMPERATURE GAUGE

- 1. Plug the black connector on the Dash Side Gauge Harness Extension containing the dark green and pink wires (35A and 39C&D on pages 3 and 5) onto your temperature gauge assembly.

TACHOMETER

- 1. Plug the black connector on the Dash Side Gauge Harness Extension containing the brown and pink wires (121A and 39D on pages 3 and 5) onto your tachometer assembly.

ENGINE COMPARTMENT SIDE MODIFICATIONS

NOTE: You will need to remove or break-open the sealing compound in engine harness connector cavities X-A, and Z-B, along with front light harness connector cavities T-C, S-A, and S-B in order to add/install the new wires below into your original factory warning lamp engine and front light harness bulkhead connector cavities.

AMMETER GAUGE - 1969

- 1. Select the long black wire (105B&C) spliced to the orange fusible link with ring terminal and install the male blade terminal on the LH end of that wire into location S-A of the original front light harness connector as shown on page 3. Route the RH end of the wire up the driver side inner fender, and across the core support to the RH side near the battery. Connect the RH end with the spliced on fusible link and ring terminal to the positive battery junction block located behind the battery (where the secondary battery cable lead is attached).
- 2. Select the long black/white stripe wire (106B&C) spliced to the orange fusible link with the right angle flag terminal and install the male blade terminal on the LH end of that wire into location S-B of the original front light harness connector as shown on page 3. Route the RH end of the wire up the driver side inner fender, and over to the horn relay. Connect the RH end with the spliced on fusible link and flag terminal to either of the battery screw lug locations on the horn relay (they are bussed, so either screw lug will work).

TEMPERATURE GAUGE - 1969

- 1. Remove the existing dark green temperature sender wire from location T-C of the front light harness connector as shown on page 3. It will be replaced with the new dark green wire (35B) in step 2.
- 2. Select the dark green temperature sender wire with the loom covering (35B) and install the male blade terminal on the LH end of that wire into location T-C of the original front light harness connector as shown on page 3. Route the RH end of the wire up the driver side inner fender, across to the engine temperature unit in the LH driver’s side head, and plug it onto the sending unit.

OIL PRESSURE GAUGE - 1969

- 1. Remove the existing dark blue oil pressure sender wire from location Z-B of the engine harness connector as shown on page 3. It will be replaced with the new dark blue wire (31B) in step 2.
- 2. Select the dark blue oil pressure sender wire (31B) and install the male blade terminal on the LH end of that wire into location Z-B of the original engine harness connector as shown on page 3. There are 2 different possible locations for this wire to connect:
 - 1. On a Big Block application, the RH end of the wire routes to the LH lower driver side above the oil filter assembly, and plugs onto the sending unit there.
 - 2. On a Small Block application, the RH end of the wire routes up behind the engine next to the distributor, and plugs onto the sending unit there.

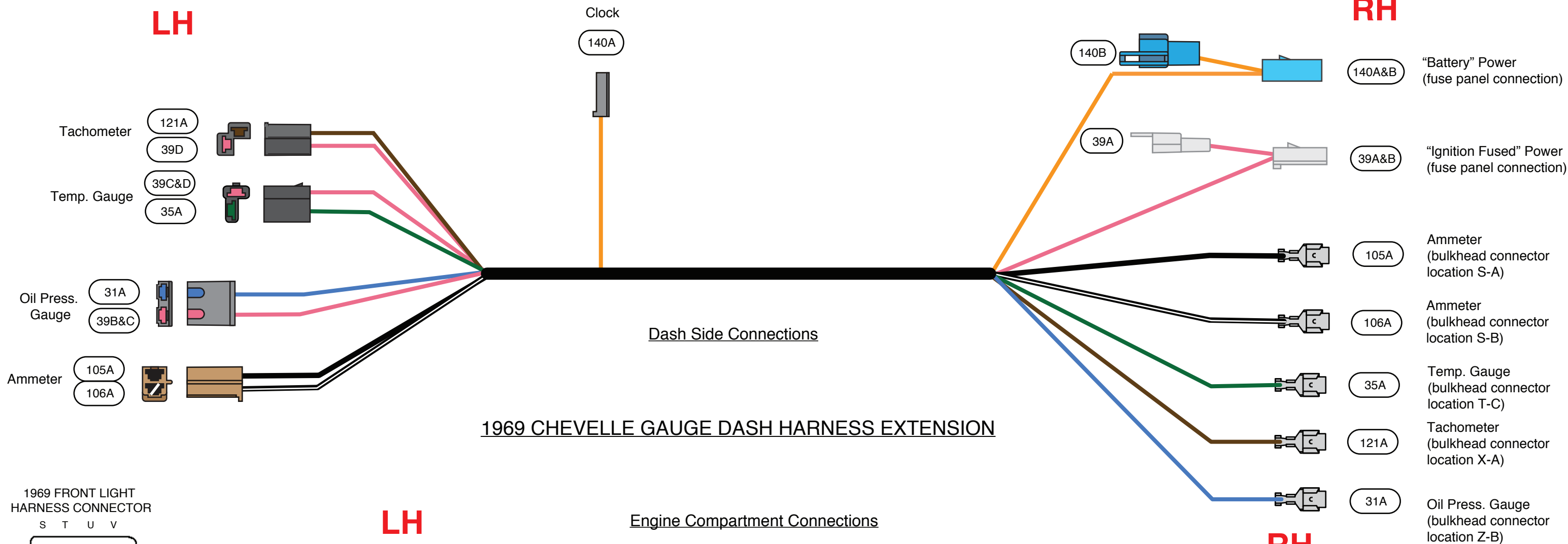
TACHOMETER - 1969

NOTE: We have included both stock external coil (points, MSD ready to run, or Petronix), and big cap HEI (internal coil) tach wires for your convenience. Please pick the proper one for your application

- 1. (STOCK TYPE EXTERNAL COIL) Select the brown wire (121B) with the right angle flag terminal and install the male blade terminal on the LH end of that wire into location X-A of the original engine harness connector as shown on page 3. Route the RH end of the wire to the coil area and connect the right angle flag terminal end to the distributor side (-) of the external ignition coil.
- 2. (BIG CAP HEI TYPE WITH INTERNAL COIL) Select the brown wire (121C) with the brown connector and install the male blade terminal on the LH end of that wire into location X-A of the original engine harness connector as shown on page 3. Route the RH end of the wire to the distributor area and plug the brown connector end onto the “TACH” terminal of the distributor cap.

LH

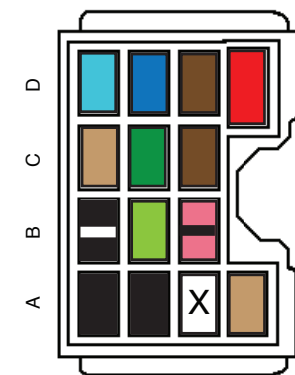
RH



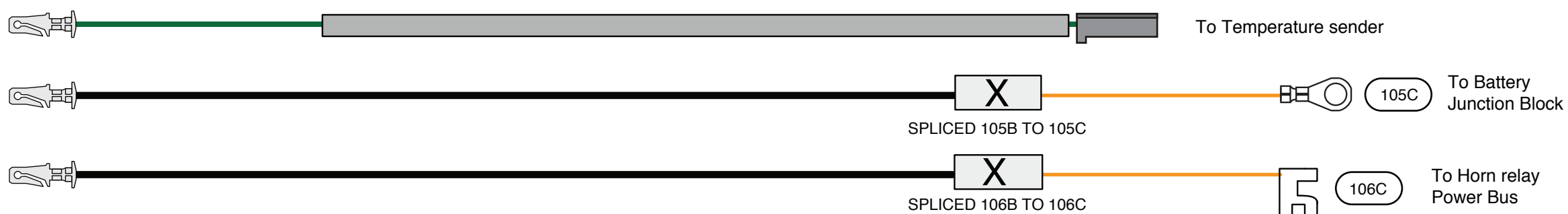
1969 FRONT LIGHT HARNESS CONNECTOR
S T U V

LH

RH



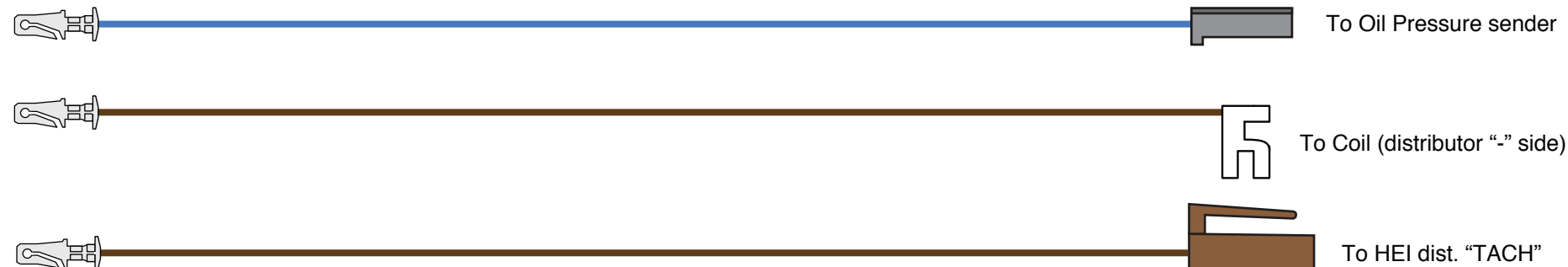
- Temp. Gauge (engine connector location T-C) 35B
- Ammeter (front light connector location S-A) 105B
- Ammeter (front light connector location S-B) 106B



LH

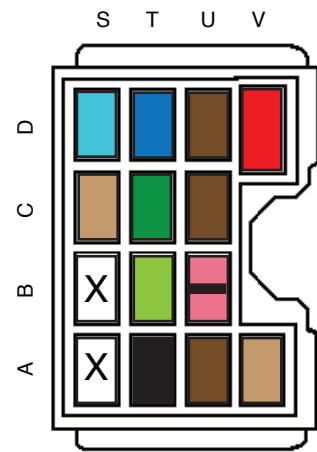
RH

- Oil Pressure Gauge (Engine connector location Z-B) 31B
- Tachometer (use 121B or 121C) (engine connector location X-A. 121B for points, 121C for HEI) 121B
- 121C

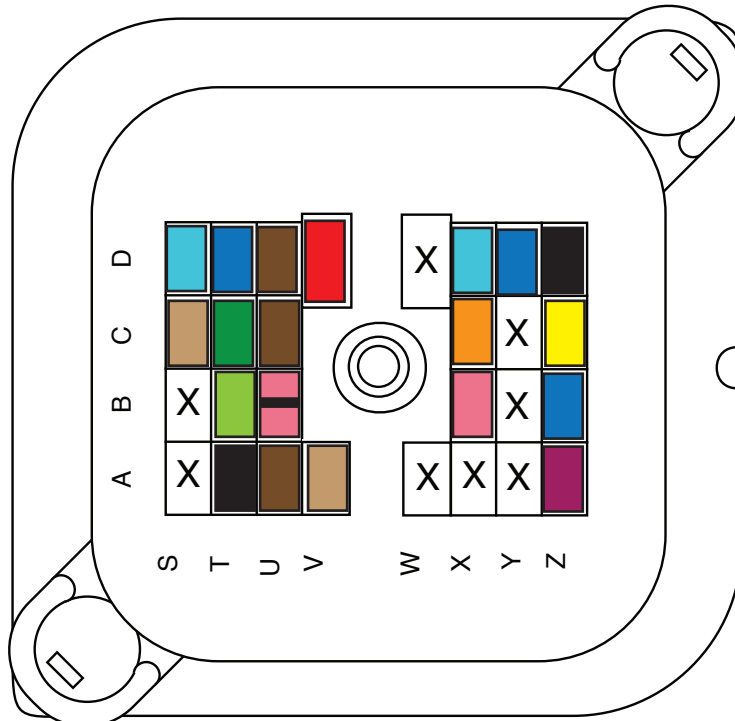
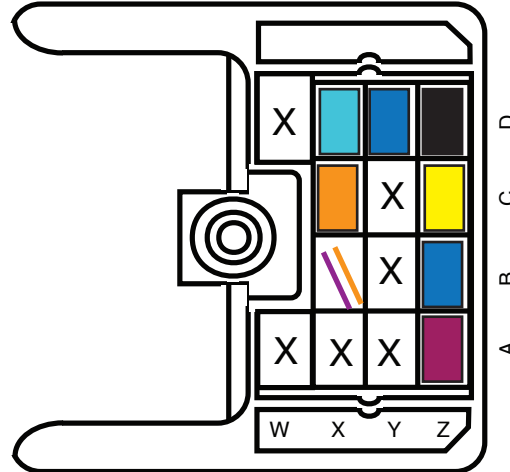


BEFORE CONVERSION; FIGURE A

1969 FRONT LIGHT
HARNESS CONNECTOR
(viewed from terminal side
opposite of the wire entry)

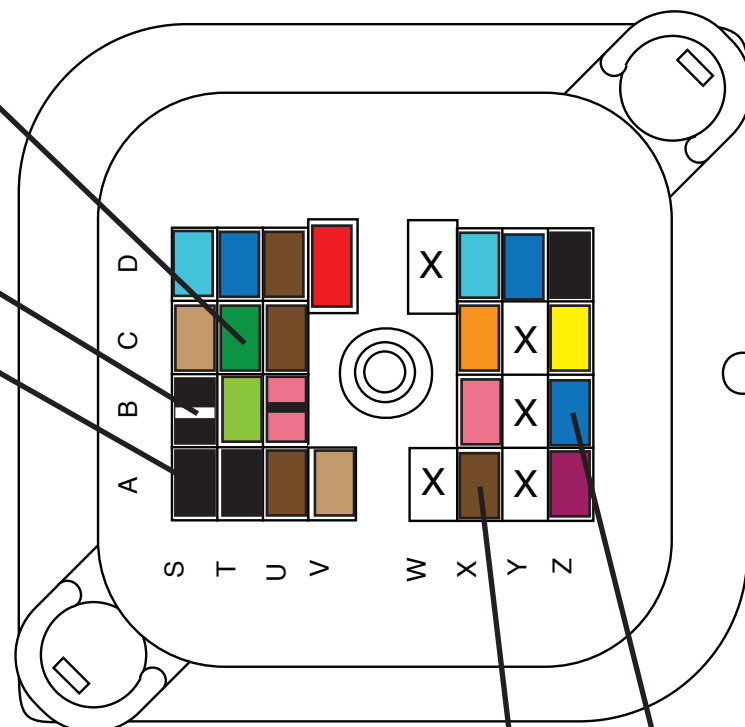


1969 ENGINE HARNESS
CONNECTOR
(viewed from terminal side
opposite of the wire entry)



1969 FUSE BLOCK BULKHEAD CONNECTOR
(viewed from wire entry side with the fuse panel disconnected)

1969 FUSE BLOCK BULKHEAD CONNECTOR
(viewed from wire entry side with the fuse panel disconnected)



remove original dark green
wire from this location and
install wire 35A here (T-C).

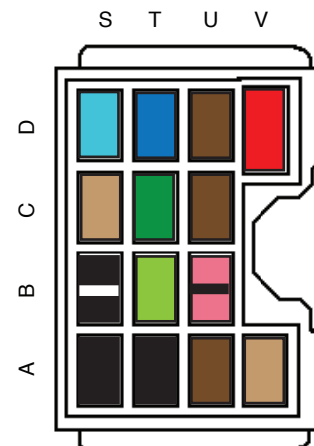
install wire 106A here (S-B)

install wire 105A here (S-A)

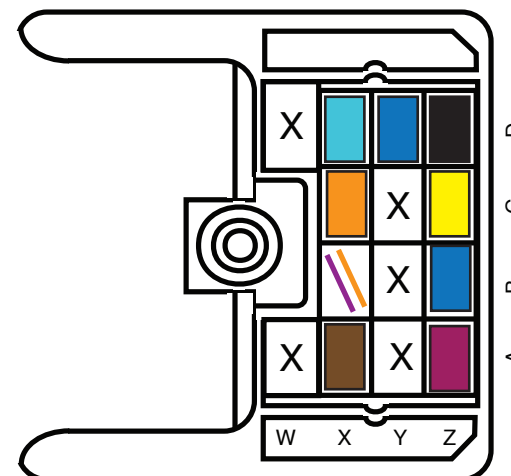
install wire 121A here (X-A)

AFTER CONVERSION; FIGURE B

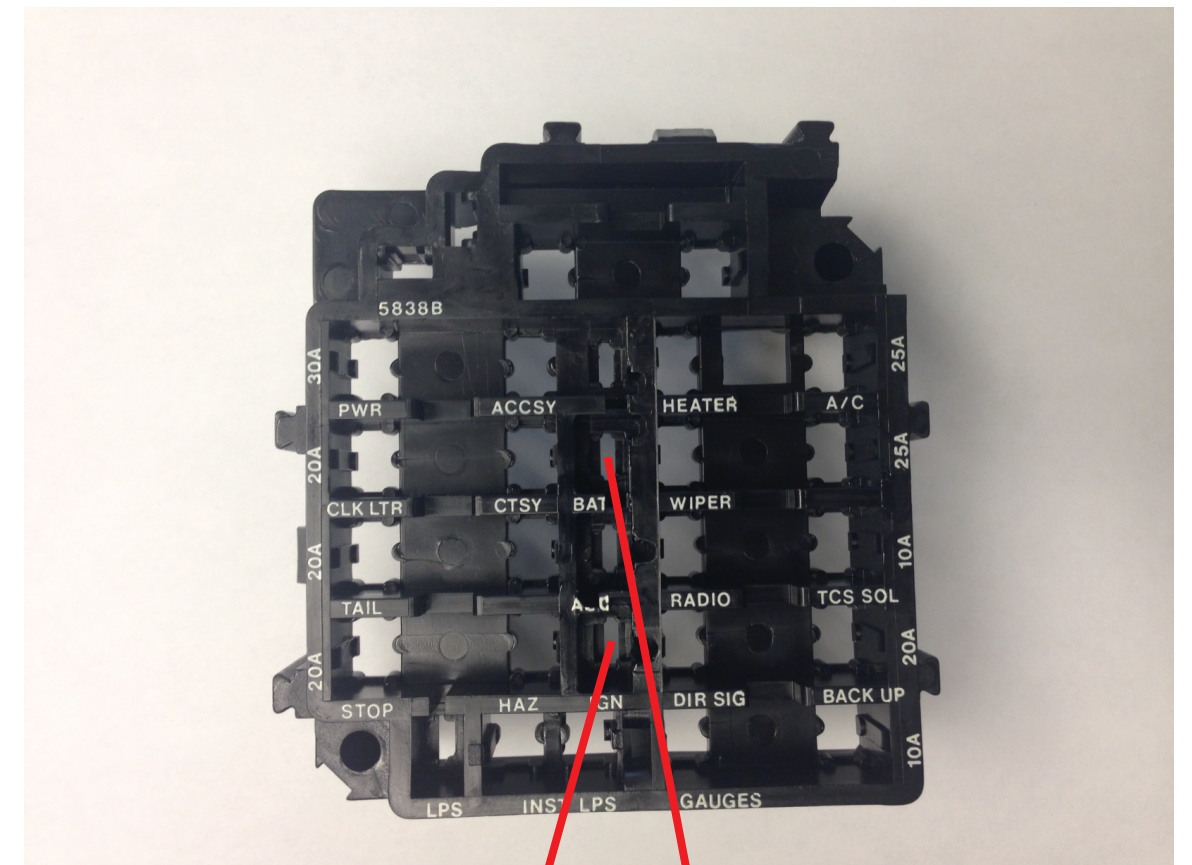
1969 FRONT LIGHT
HARNESS CONNECTOR
(viewed from terminal side
opposite of the wire entry)



1969 ENGINE HARNESS
CONNECTOR
(viewed from terminal side
opposite of the wire entry)



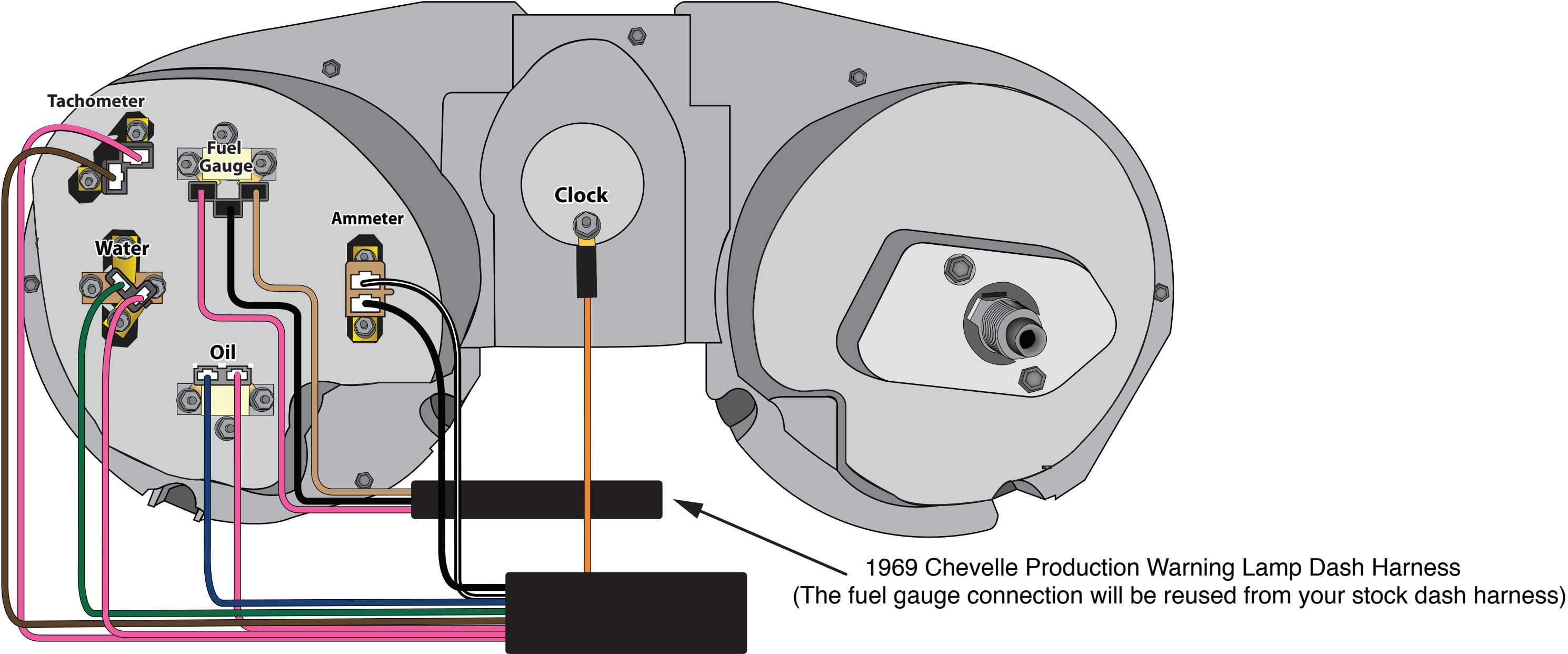
remove original blue wire
from this location and install
wire 31A here (Z-B).



Install pink wires 39A&B with
the clear connector here (IGN)

Install orange wires 140A&B with
the blue connector here (BAT)

1969 Chevelle Tach and Gauge Cluster Connections



1969 Chevelle Tach and Gauge Cluster Adapter Harness

1969 Chevelle Production Warning Lamp Dash Harness
(The fuel gauge connection will be reused from your stock dash harness)

**THIS PAGE HAS BEEN
INTENTIONALLY LEFT BLANK**