

CONNECTOR A

YELLOW (VSS signal ground shield)

PURPLE (VSS signal wire) Route this wire, and the yellow wire above, to the vehicle speed sensor. These wire MUST be twisted, as shown below for the length of the wire.

BLACK (ground)

GREY (instr lamps)

Plug this wire into connector A, maintaining color continuity with the grey wire on the mating connector on page 7. Connect the other end to a factory grey instrument lamp wire, using the supplied butt splice.

PINK (12V ignition)

Plug this wire into connector A, maintaining color continuity with the pink wire on the mating connector on page 7. Route the other end to the factory fuel gauge connector, and install in connector shown below, maintaining color continuity with the factory fuel gauge connector.

CONNECTOR B

TAN (fuel)

Plug this wire into connector B, maintaining color continuity with the tan fuel wire on the mating connector on page 7. Route the other end to the factory fuel gauge connector, and install in connector shown below, maintaining color continuity with the factory fuel gauge connector.

WHITE (tach)

DK BLUE (oil pressure)

Route to the coil, and connect to the negative terminal.

Route this wire to the factory oil lamp. Install the connector and terminal shown below. Cut off the existing factory lamp socket and install the terminals and connector shown below. The pink wire will not pass through this connection.

TAN (brake) 1967 only

Plug this wire into connector B, maintaining color continuity with the tan brake wire on the mating connector on page 7. Route this wire to the factory brake lamp. Install the connector and terminal shown below. Cut off the existing factory lamp socket and install the terminals and connector shown below. The pink wire will not pass through this connection.

DK GREEN (temp sender)

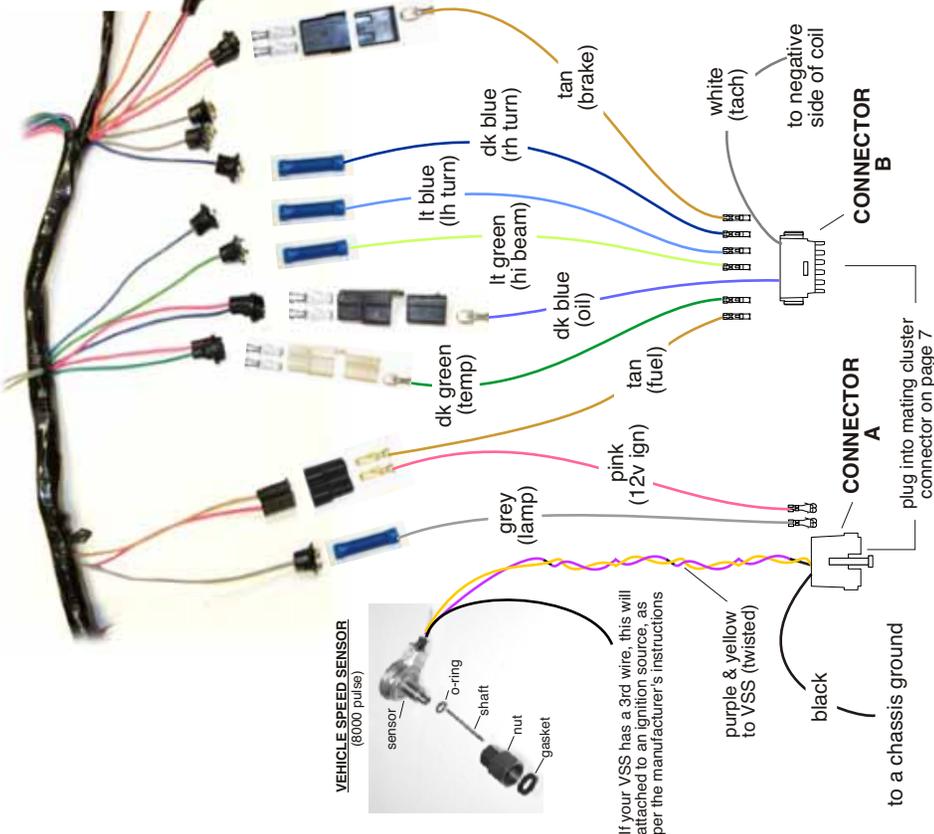
Plug this wire into connector B, maintaining color continuity with the dk green temp wire on the mating connector on page 7. Route this wire to the factory temp lamp. Install the connector and terminal shown below. Cut off the existing factory lamp socket and install the terminals and connector shown below. The pink wire will not pass through this connection.

LT GREEN (hi beam)

LT BLUE (lh turn)

DK BLUE (rh turn)

Route this wire to the factory hi beam lamp and connect using supplied butt splice. Route this wire to the factory left turn lamp and connect using supplied butt splice. Route this wire to the factory right turn lamp and connect using supplied butt splice.



Covan's Classic

AUTOMOTIVE SPECIALTIES

(770) 667-7684



1966-67 Nova

Gauge Cluster Kit Installation Instructions 500658

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STEP 1: There are 4 small gauges. This is a photo of the bare gauge. Remove the 3 nuts and lock washers.



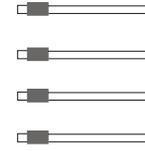
STEP 2: Install the blade terminals to the back of each of the 4 small gauges. Secure with lockwasher and nut. There are specific left, center, and right hand terminals. Install as shown in photo.

NOTE: Voltmeter uses the 'GRD' & 'I' terminal locations only.

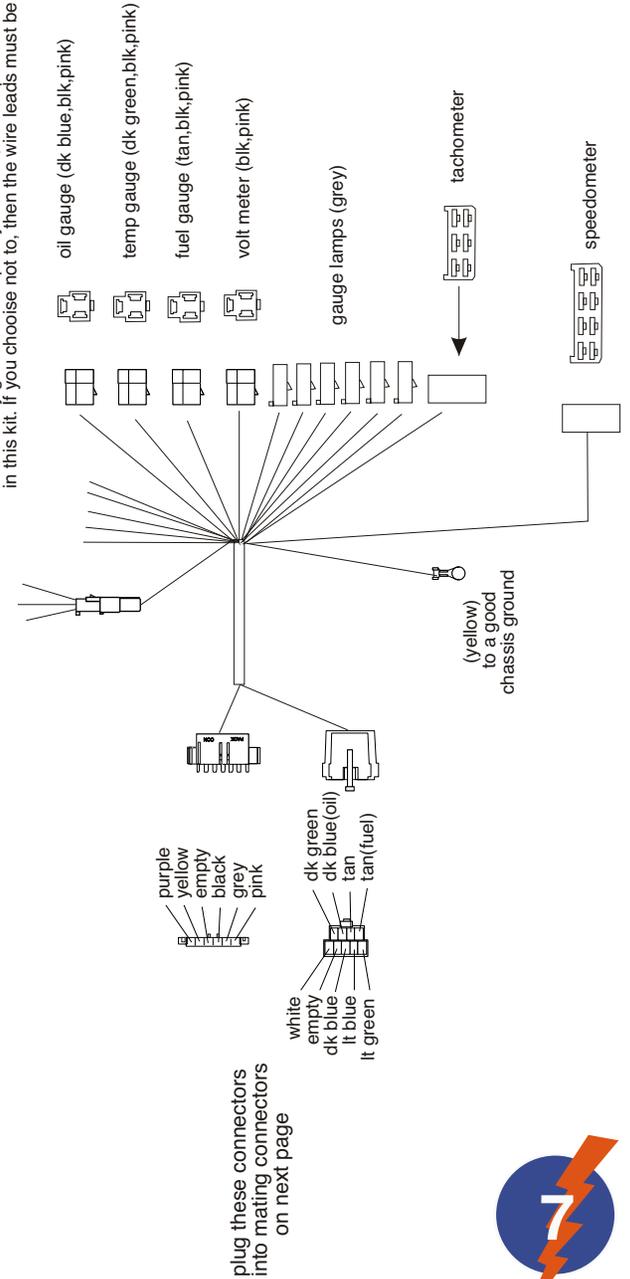


LONG BARE LEADS
 lt green: connect to hi beam LED red lead
 black: connect to hi beam LED black lead
 lt blue: connect to LH turn LED red lead
 black: connect to LH turn LED black lead
 dk blue: connect to RH turn LED red lead
 black: connect to RH turn LED black lead
 tan: connect to the brake LED black lead
 pink: connect to the brake LED red lead

NOTE: The factory clock feed is not used in this application and must be taped back. The factory generator lamp may be used, but no provisions are provided in this kit. If you choose not to, then the wire leads must be taped back and protected.

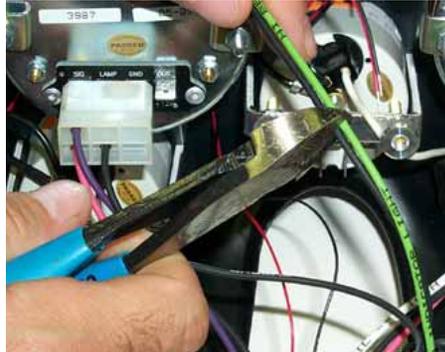


STEP 13:
Connect gauge harness to the new gauge panel, using the supplied connections.
Follow the diagram below for proper gauge connections.





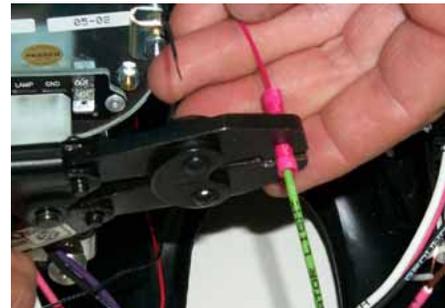
STEP 11: Plug each lamp power wire (white) into the mating connectors on each grey wire (DASH LIGHTS) on the new harness. As shown.



STEP 12: Select an LED lamp from the panel, and attach to the appropriate signal lead wire from the harness, as noted below. Each signal wire will attach to the red lead wire from the LED panel lamp. Trim the wires from the harness to the desired length before crimping.

Note: 1967 Nova used a brake warning lamp, connect as noted below if your vehicle has this feature.

LED color	function	power wire color
blue	hi-beam	light green
green	lh turn	lt blue
green	rh turn	dk blue
red	brake	pink



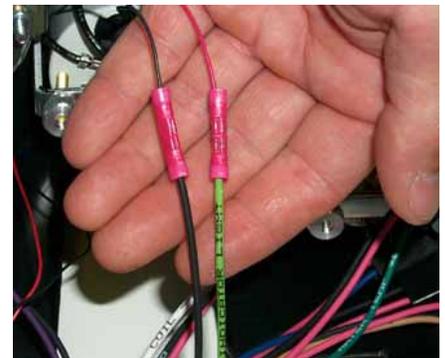
STEP 13: Install butt connectors, as shown, matching the wire functions noted above with the proper LED. Trim the wires from the harness to the desired length before crimping.

Match the black wire from each LED panel lamp with a black ground wire from the harness for all LED lamps except the red brake warning LED.

If you are using the red brake warning LED lamp, remove the factory lamp socket and attach the black lead wire from this LED lamp to the factory brown wire. (as noted above, the red will connect to the factory pink wire.)

LED color	function	signal ground wire color
red	brake	tan

This is a completed LED splice.



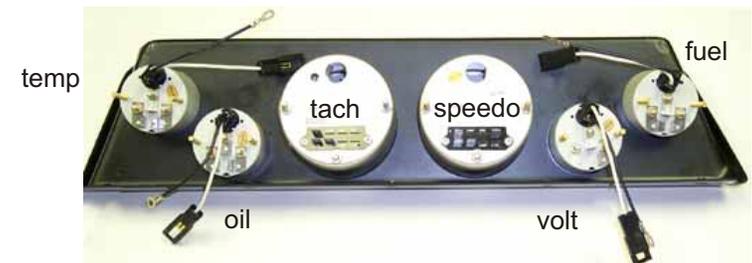
STEP 3: Plug in appropriate lamp socket pigtail into the 4 smaller gauges.



STEP 4: Install appropriate lamp socket pigtails into the speedometer & tachometer.

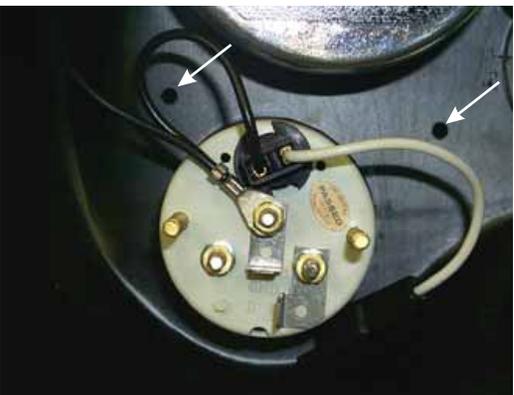


STEP 5: Insert gauges into housing, in locations shown.



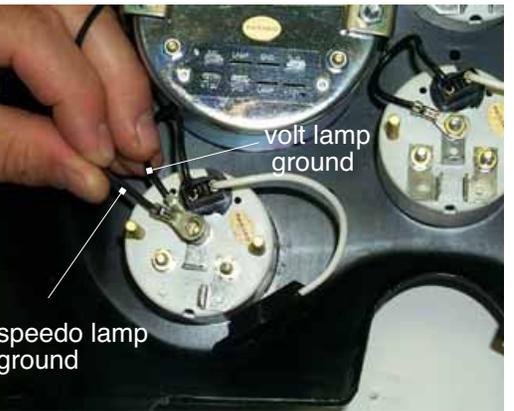


STEP 6: Install mounting clips on tachometer & speedometer.



STEP 7: Drill 4 mounting holes for LED's, using 5/32" drill bit, at desired locations. Insert LED's in hole from front of panel.

NOTE: The LED housings are a taper fit into the hole. Press the LED housing all the way in to tighten against the instrument panel.



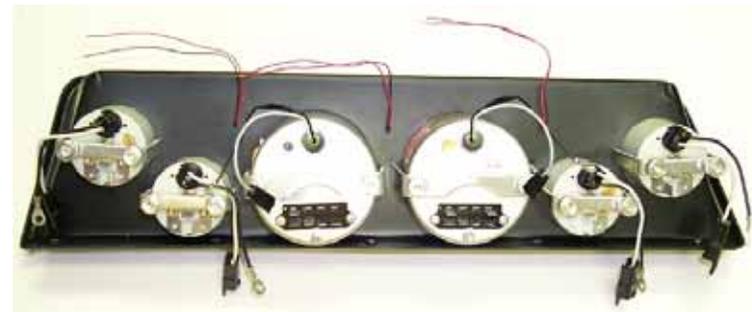
STEP 8: Connect the black ground wires from the lamp pigtails to the center ground studs of the smaller gauges as shown. **(photo is different from actual panel)**

NOTE: The speedometer lamp ground will connect on the volt meter ground stud (as shown), and the tachometer lamp ground will connect to the fuel ground stud (not shown).

STEP 9: Install the mounting brackets on all of the small gauges, as shown.



Completed assembly ready for the connection of the wiring harness.



STEP 10: Plug in gauge connections using supplied connectors. Plug in connectors in the order shown below. Typical plug-in shown in picture.

- | | |
|-----------|-------------------------|
| 1. FUEL | pink / black / tan |
| 2. TACH | pink / black / white |
| 3. TEMP | pink / black / dk green |
| 4. OIL | pink / black / dk blue |
| 5. VOLT | pink / black |
| 6. SPEEDO | pink / black / purple |

