RTX-70C-CVL

Dakota Digital RTX Instrument Installation
For 1970-'72 Chevy Chevelle & El Camino (SS-Style Dash)

RTX Display

Your new RTX-70C-CVL kit includes:

Headlight Switch Bracket

Universal Sender Pack

Buzzer

Installation Manuals

(10) Screws, 5/8" Length

Switch Assembly

Extension Harness
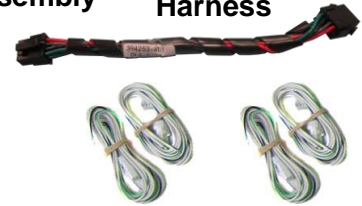
(4) Indicator Harnesses

**Main Harness**

**Control Box**

Clock Harness

Interconnect Harness

Installation

1. Remove the stock gauge housing from the dash.
   a. Remove the four screws for the lower steering column cover and remove the two nuts to drop the steering column to gain access behind the dash.
   b. Remove the dash pad to have access from the top. The entire plastic dash is riveted to the metal frame behind the dash; by removing the (6) 7/16" hex bolts you can separate the dash from the car. The locations of these bolts are: (2) on far left driver side (upper and lower), (1) by steering column support, (1) behind left side of glove box, and (2) on far right passenger side. Also remove the front speaker, emergency brake release handle, and the headlight knob (there is a push button to release it on the opposing side of the harness).
   c. You can now remove the stock cluster by disconnecting the left and right indicator harnesses, remove the speed cable and the fuel gauge harness. If equipped with a clock, this must be disconnected as well.

d. The stock gauge cluster is mounted to the dash in seven locations as shown below. Remove these screws.
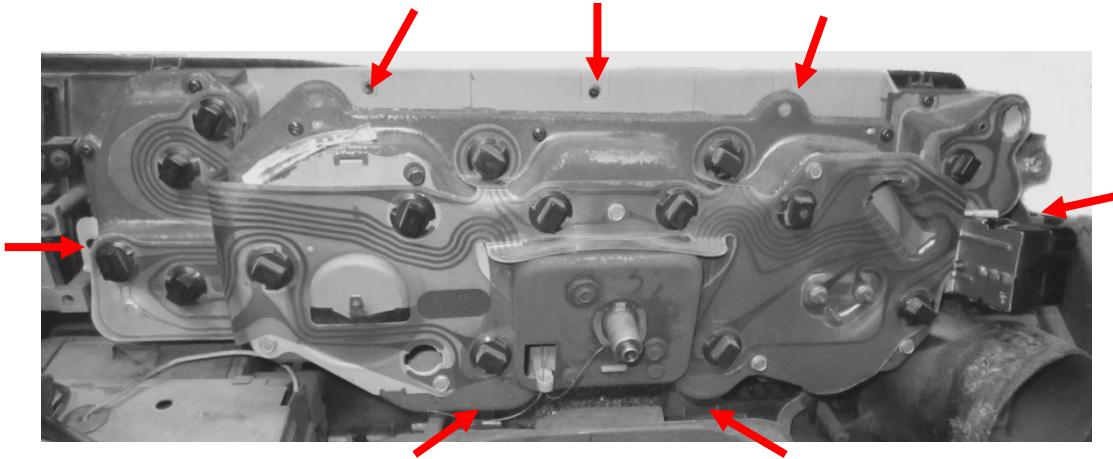
2. With a side cutter, cut the plastic tabs off to remove the factory lens as it won't be reused.
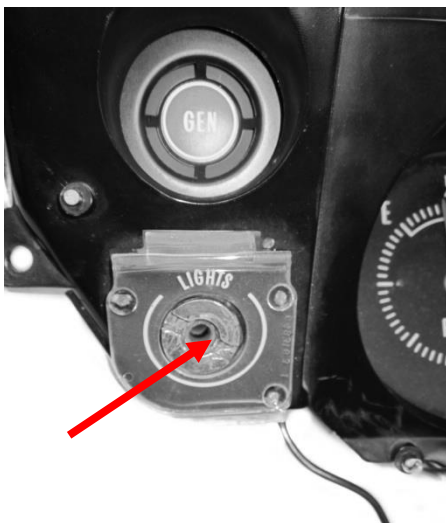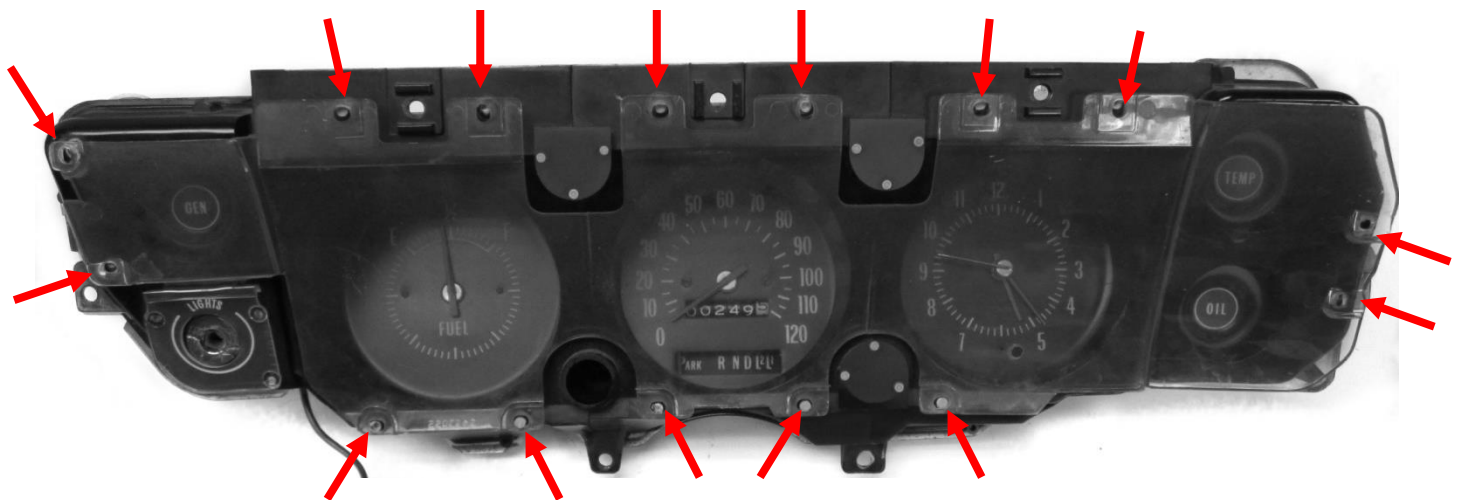
3. Using a large flat head screwdriver or a quarter, remove the screw that secures the headlight switch to the bezel.

4. Remove the 10 screws holding the factory gauges to the carrier.
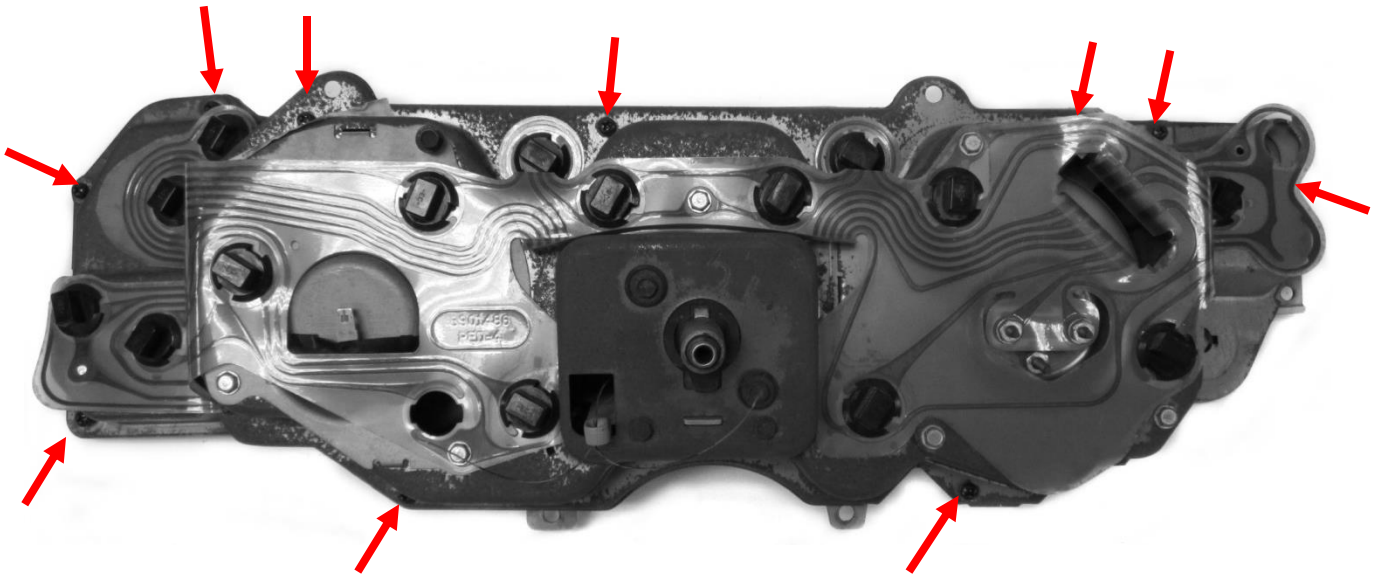
5. With the factory gauges and lenses removed, you will be left with a bare carrier, as shown below. Fit the ABS plastic headlight bracket over the back of the headlight switch opening and re-install the headlight switch
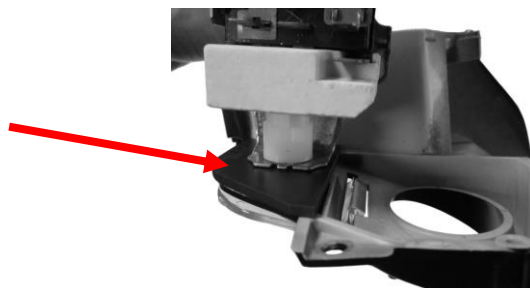
6. Install the RTX display using the included 5/8" screws. All of the stock screw holes will be used. Also make the connections for the auxiliary gauges to their respective length ends.
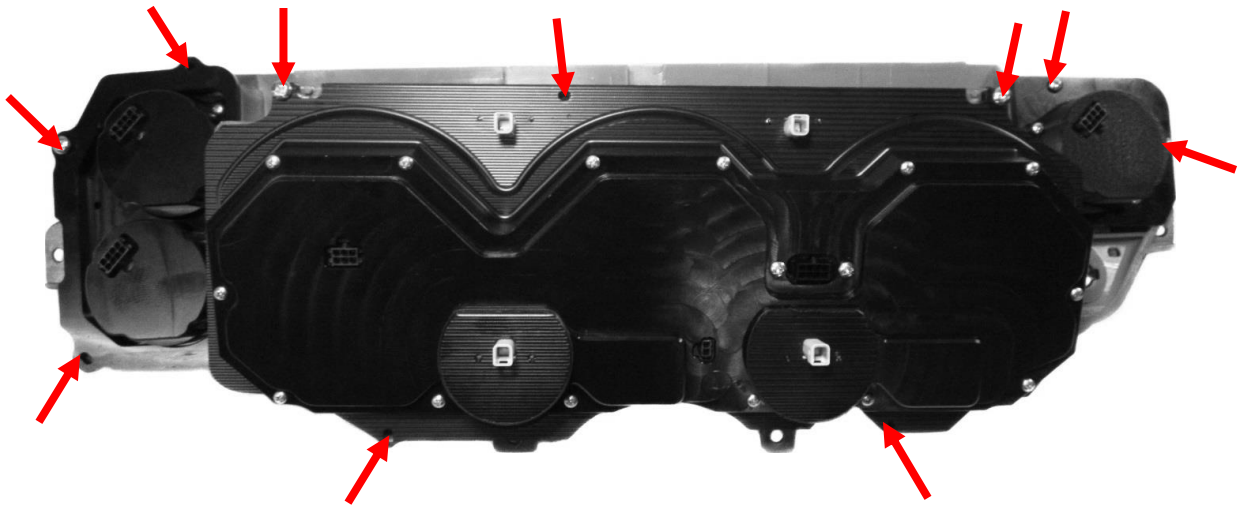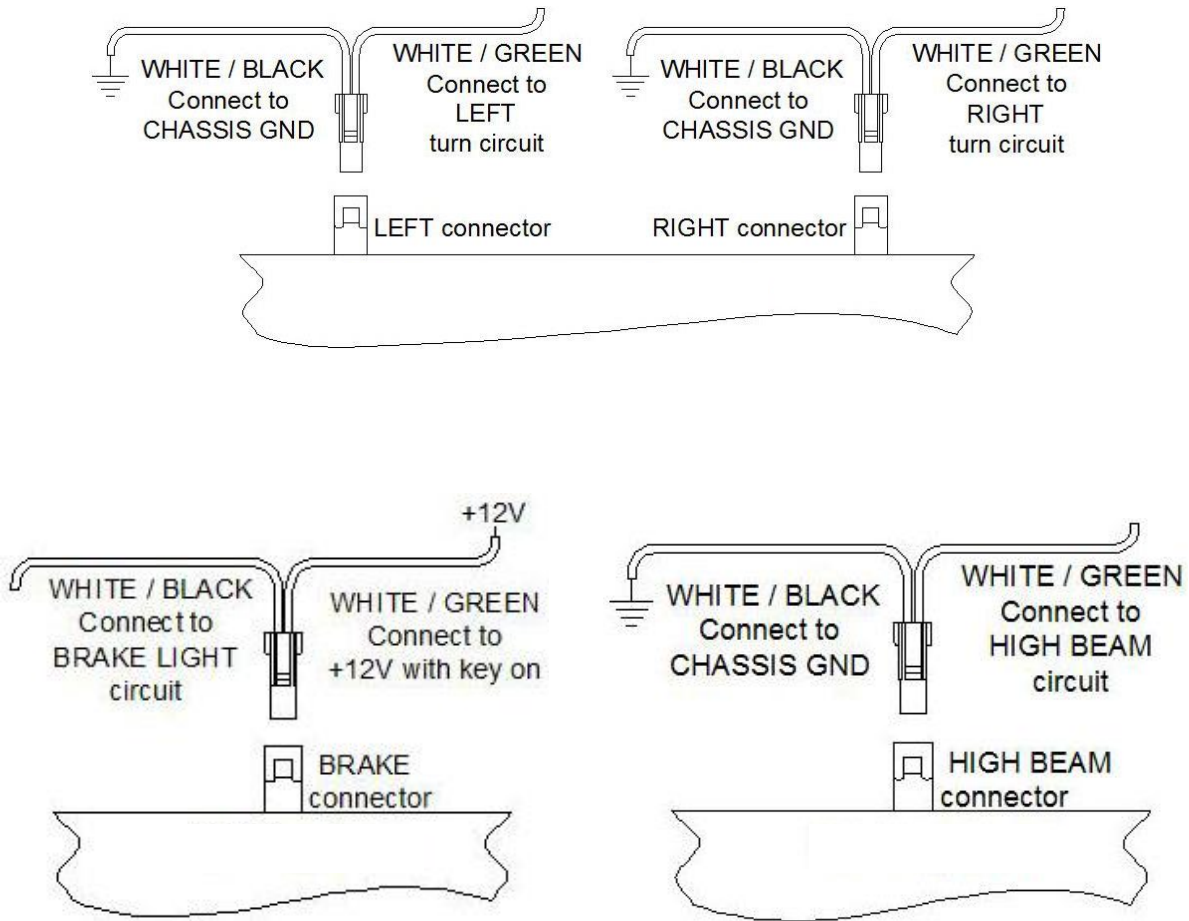

7. This cluster has the option to use the stock location for turn signals, high beam, and brake indicators. These indicators are also located in the new face plate. If preferred to use stock locations, connect the four 2-pin wire harnesses into the respective turn signal, high beam, and brake connectors and refer to Step 8 for wiring these indicators. If using the indicators in the new face plate, do not plug in the harnesses and skip to Step 9.
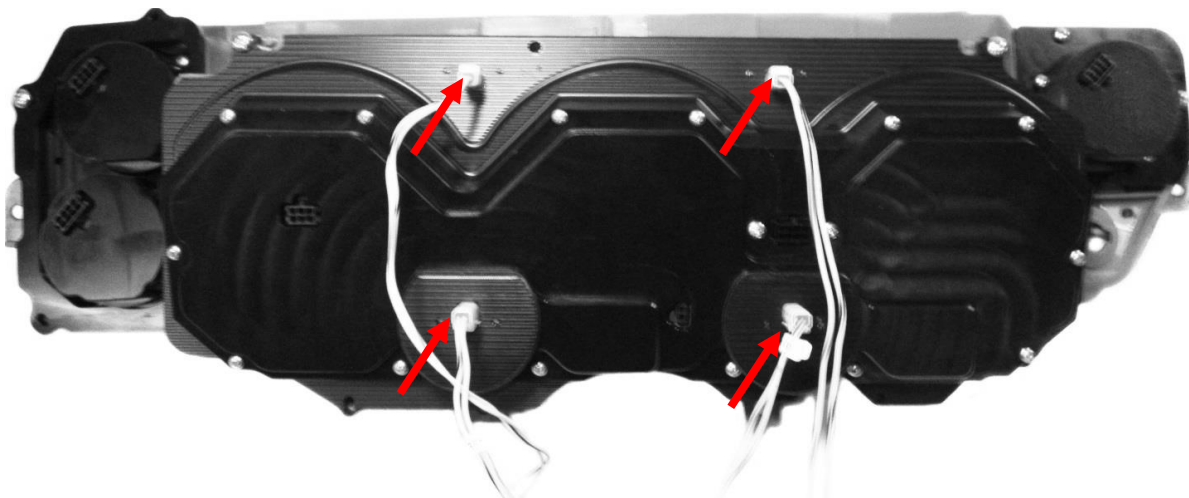
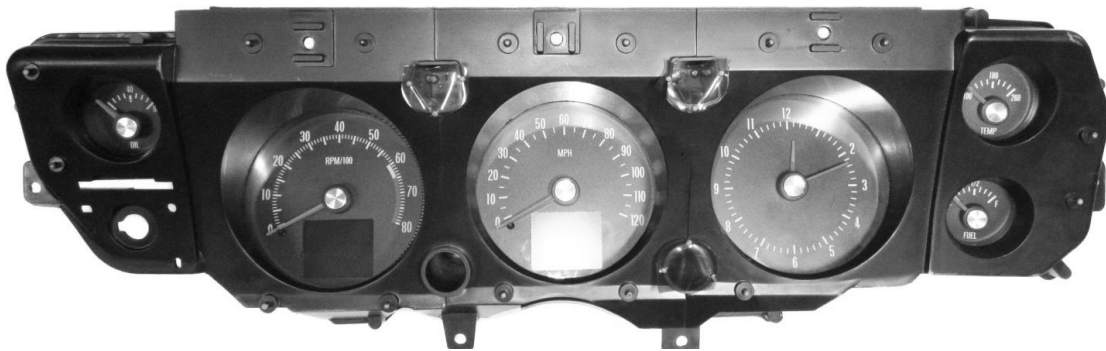8. Wiring for optional stock location indicators:

To optionally use the stock indicator locations, do not wire the signals to the RTX control box. Instead, use the provided two-wire harnesses. The harnesses plug directly into connectors on the back side of your new RTX system. Connect the wires from these harnesses to the indicator circuits and ground as shown below. Doing this will light an LED located in the original locations of your dash panel.

WHITE / BLACK
Connect to
CHASSIS GND

WHITE / GREEN
Connect to
LEFT
turn circuit

WHITE / BLACK
Connect to
CHASSIS GND

WHITE / GREEN
Connect to
RIGHT
turn circuit

LEFT connector

RIGHT connector

+12V

WHITE / BLACK
Connect to
BRAKE LIGHT
circuit

WHITE / GREEN
Connect to
+12V with key on

WHITE / BLACK
Connect to
CHASSIS GND

WHITE / GREEN
Connect to
HIGH BEAM
circuit

BRAKE
connector

HIGH BEAM
connector

9. Connect the provided interconnect harness, clock harness, main harness, and the buzzer (optional for audio feedback) to the back of the RTX system. If additional length is needed to make an interconnect harness connection, use the included extension harness.

Interconnect Harness

Clock Harness

Main Harness

Buzzer Connector
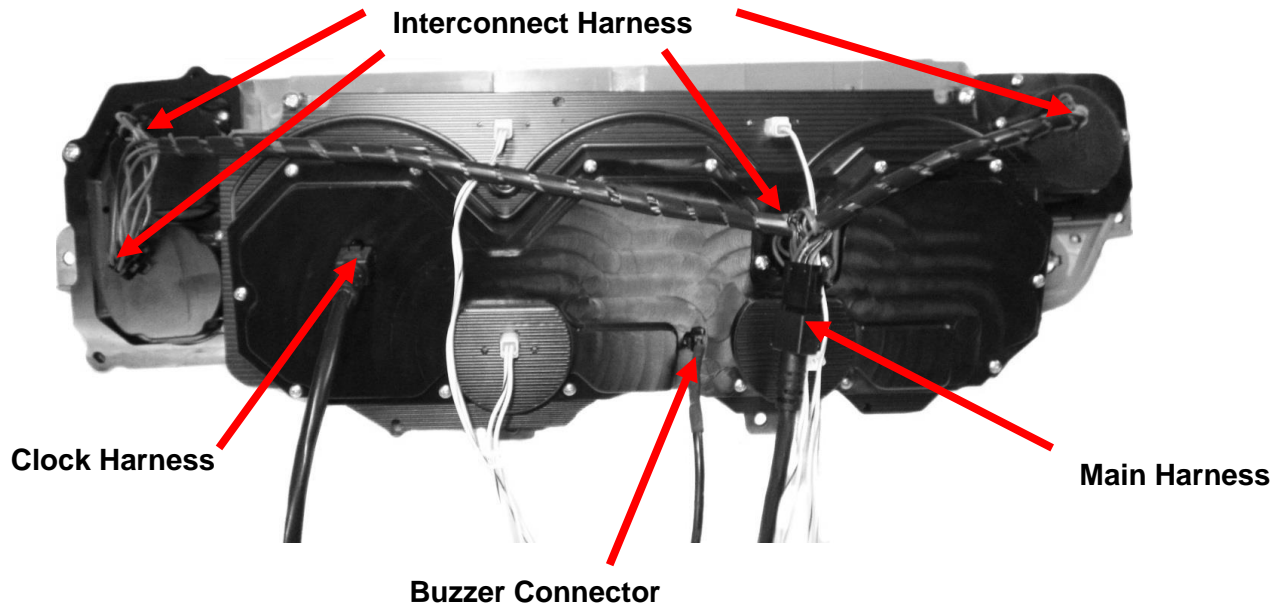
10. Re-install the cluster into the car and reassemble the dash in reverse order of Step 1 and refer to the main manual for wiring instructions to complete the RTX installation.

Manual # 650655A