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## OPERATING INSTRUCTIONS

### TRUNK LIGHT OPERATION

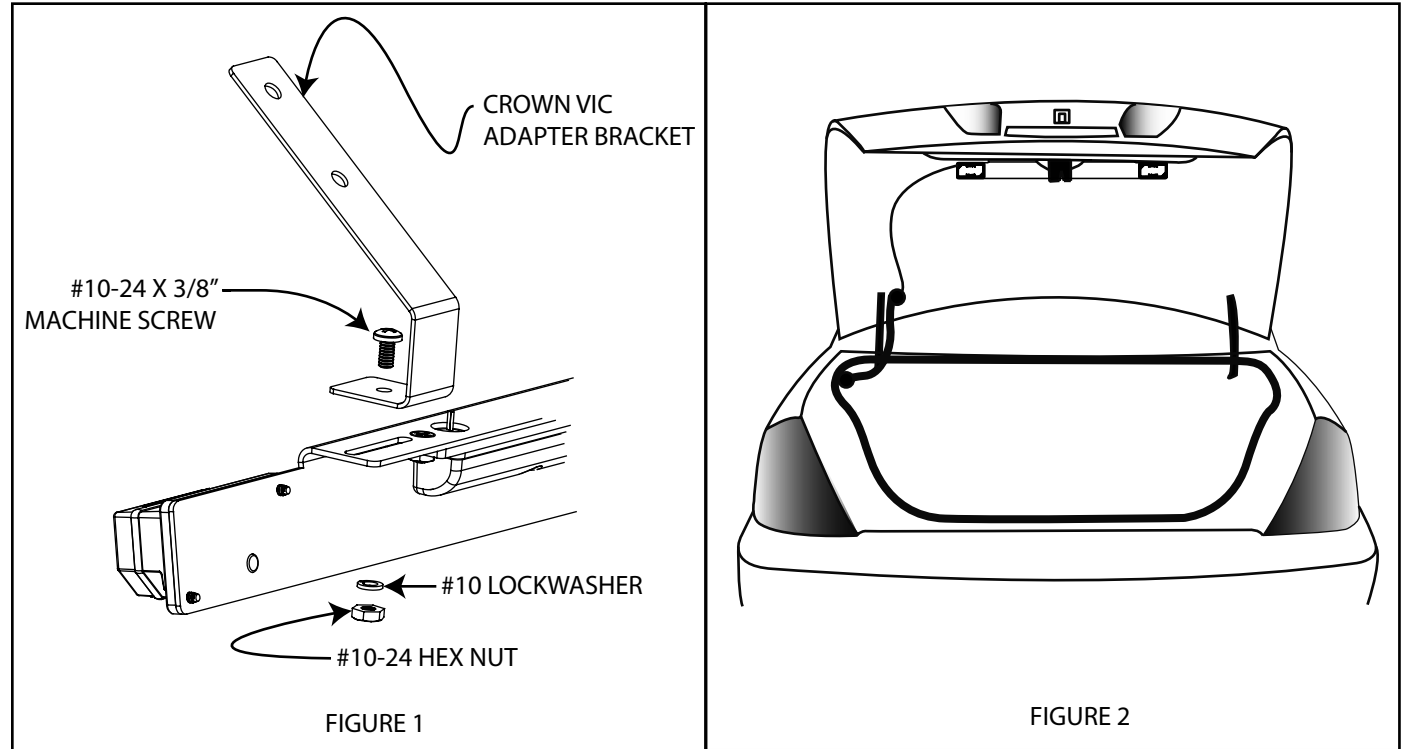
Your new trunk light should be wired into the existing trunk light wires where you connect the Red wire to 12Vdc and Black wire to ground. This will allow your new trunk light to operate the same way your original trunk light operated.

### WARNING LIGHT OPERATION

The LED3's used for your warning ends come equipped with an internal flasher with 16 user selectable patterns that can be synchronized either alternating or simultaneous. It can also be put into slave mode and driven through an external flasher. The TRUNK/CARGO combo comes with (2) LED3 MINI's attached. It is possible to sync with other LED3 MINI's if your application requires it (See second page for sync Instructions). Your LED3 warning lights will need to be connected Red wire to 12Vdc & Black wire to ground one at a time then set-up by follow the sections entitled PATTERN SELECTION to set-up the desired pattern and LED3 SYNC CONFIGURATION to set-up alternating or simultaneous flash. Once all set-up have been completed you will want to connect the power wires (Red) from both LED3 lights (with a 5 amp inline fuse) to your warning system control so they will come on when you activate the warning system.



# CROWN VICTORIA LED3 TRUNK/CARGO COMBO ETLKC02CV(X)



### MECHANICAL INSTALLATION:

1. Assemble the (2) Crown Victoria Adapter brackets to the main assembly using the supplied #10-24 x 3/8" screws, hex nut and split lockwasher. Assemble brackets in orientation shown in Figure 1.
2. Using the supplied #10 self drilling screws, mount assembly to the trunk lid. Be sure when inserting screws that you do not hit any existing wire looms. Assembly should be centered about the trunk lid and should clear any objects when the lid is closed. See figure 2 as shown.

### WARRANTY

Except for our limited warranty, available on our website at [www.soundoffsignal.com](http://www.soundoffsignal.com), a hard copy of which can be obtained from SoundOff Signal upon request, all other guarantees or warranties including the implied warranty of merchantability and the implied warranty of fitness for any particular purpose are void and of no effect, unless specifically agreed to in writing by SoundOff Signal.



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# CROWN VICTORIA LED3 TRUNK/CARGO COMBO

ETLKC02CV(X)

### LED3 Sync Configuration Instructions

1. Set ID#
  - a. Identify which pattern and sequence you want and look up ID#s on table.
  - b. Connections
    - i. RED: +12Vdc
    - ii. WHT: +12Vdc (Note: you will need to disconnect after power is applied)
    - iii. BLK: Ground
  - c. Apply power to unit
  - d. Without disconnecting power from unit, disconnect WHT wire
  - e. Momentarily connect WHT to Ground to change ID #
    - i. Identify ID# by number of sequential flashes
    - ii. Possible ID#s: 1 – 4
  - f. Disconnect power from unit to get out of ID mode.
2. Set Pattern
  - a. Reapply power to units.
  - b. Once all Light Head ID#s are configured, make sure all lights are flashing the same pattern
  - c. Connect corresponding colored wires of all units together: RED to RED, etc.
  - d. Change Pattern
    - i. Momentarily connect WHT wires to Ground
    - ii. Observe pattern change on all lights connected
  - e. Insulate all wires by taping with electrical tape
3. Connect Master Switch for Application
  - a. **IMPORTANT!** Ensure WHT Pattern/Sync Wires are tied together

### 1 LIGHT

Single Light Operation: Follow the ID Selection steps and set the LED3 to ID#1 if it is not already. NOTE: Steady Burn is produced for patterns 9 & 10 in Single Operation.

### 2 LIGHTS

**ALTERNATING:** To obtain Alternating patterns, follow the ID SELECTION steps and set one LED3 to ID#1 and the other to ID#3. Then proceed to the PATTERN SELECTION steps.

**SIMULTANEOUS:** To obtain Simultaneous patterns, follow the ID SELECTION steps and set both LED3 lights to ID#1. Then proceed to PATTERN SELECTION steps.

### 4 LIGHTS

**X-Pattern:** To obtain X-patterns, follow the ID SELECTION steps and set one of the four LED3 lights to ID#1, one to ID#2, one to ID#3, and one to ID#4. Then proceed to PATTERN SELECTION steps. NOTE: Be sure to mount each LED3 in the correct placement based on ID#.

### PATTERN SELECTION

1. Disconnect WHITE wire from any connections if applicable.
2. Turn LED3 ON.
3. Momentarily touching and removing the WHITE wire(s) to ground will advance the LED3 to the next flash pattern. Touching and removing the White wire for more than a few seconds will allow you to change the LED3 to the previous pattern. See flash pattern table. Continuing to touch and remove the WHITE wire(s) to ground will allow you to scroll through the pattern list. After pattern #33 is reached the list will start over again at pattern #1.

NOTE: The LED3 is equipped with flash pattern memory. Once you have selected a pattern the LED3 will always activate to that pattern every time the unit is turned on. Tape up and secure WHITE wire so that it will not accidentally change your selected pattern.

### X-Pattern Sequence

ID#1 > ID#4 > ID#2 > ID#3

### X-Pattern Light Head Placement

ID#4	ID#2
ID#3	ID#1

### PATTERN RESET

1. Remove power.
2. Place WHITE (sync) wire to ground.
3. With sync wire grounded, re-power RED wire.
4. Maintain for one second (light will dim).
5. Remove power and ground (pattern 1 set).

### SLAVE MODE

The LED3 is capable of being activated through the use of a user supplied flasher by putting it in slave mode.

1. Permanently connect the LED3 WHITE and BLACK wire to a good, convenient ground.
2. Connect the LED3 RED wire, through a 5Amp fuse, to the output of a +10-30Vdc switching flasher.

NOTE: The LED3 is a factory sealed unit that CANNOT be serviced in the field. Any attempt to gain access to the LED3 unit will most likely cause permanent damage and void its warranty.

FLASH PATTERNS for SINGLE HEAD EXTERIOR LED3 (EL3SN(X))

#	Pattern Name	1 Light	Alternating 2 Lights	Simultaneous 2 Lights	X-Pattern 4 Lights	Flashes/Minute
1	Quint	X	X	X		70
2	Warp	X	X	X		350
3	Inter-Cycle Flash	X	X			
4	Double Flash	X	X	X		70
5	Quad Flash	X	X	X		80
6	Power Pulse	X	X	X		180
7	Road Runner	X	X	X		113
8	Q-Switch	X	X			
9	Road Runner Steady Burn	X	X			113
10	Quad Steady Burn	X	X			80
11	E-Ideal Single Flash	X	X	X		200
12	E-Ideal Double Flash	X	X	X		146
13	Quad2 Flash	X	X	X		67
14	Double2 Flash	X	X	X		95
15	X-Warp				X	
16	X-Double				X	
17	PowerRunner	X	X	X		
18	LCR Quint	X	X	X		
19	Warp <sup>3</sup>	X	X	X		
20	Ultra Warp	X	X	X		545
21	Thunder and Lightning	X	X			
22	LiteSpeed	X	X	X		85
23	SuperSonic	X	X	X		170
24	LCR LiteSpeed	X	X	X		
25	SuperSonic Ultra	X	X	X		
26	TempoShift	X	X	X		
27	TempoShift Warp	X	X	X		
28	SBE2	X	X	X		67
29	C <sup>2</sup>	X	X	X		200
30	U <sup>2</sup>	X	X	X		176
31	UltraGlow	X	X	X		
32	Cyclone	X	X	X		
33	Chameleon	X	X	X		