Installation and Operational Guide

This manual serves as a guide for the Cannon™ LED hide-a-way.

Automotive Lamp Installation Instructions:
In this installation method, the Cannon™ LED will share the same reflector as the taillight, headlight or brake light. Make sure the Cannon™ LED does not interfere with the operation of these lights. The Cannon™ LED is designed to function with its inline driver.

1. Follow OEM instructions on how to remove the headlight or taillight reflector assembly from the vehicle.

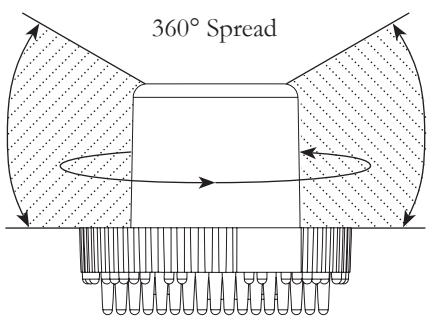
2. Locate a flat surface in the bottom of the housing and cut a 1” diameter hole in the housing with the use of a hole saw. Make sure to deburr the hole thoroughly.

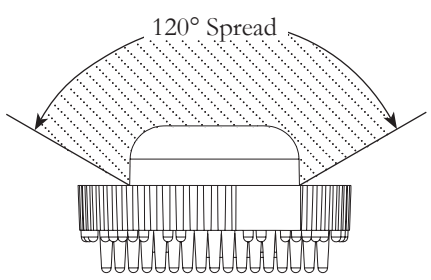
3. Place the Cannon™ LED into the reflector housing and mark the spot for the two mounting holes. Remove the Cannon™ LED and drill two, 2 mm holes.

4. Insert the Cannon™ LED from the back or bottom of the headlight/taillight, as close to the focal point as possible.

5. Screw in the Cannon™ LED using the provided hardware and secure it to the reflector assembly.

6. Remount the headlight or taillight assembly in the vehicle and follow the provided wiring instructions.





Wire:	Function:
Red:	Positive, Mode 1
Yellow:	Positive, Mode 2, Overrides Mode 1
Green:	Positive, Mode 3, Overrides Mode 2
Blue:	Flash Pattern Changer/Sync
Black:	Negative, Ground

How to Install a 360˚ Lens

The cannon has the 120° lens installed when sold. To remove the 120° lens and replace it with the 360° lens and reflector, follow the steps listed below:

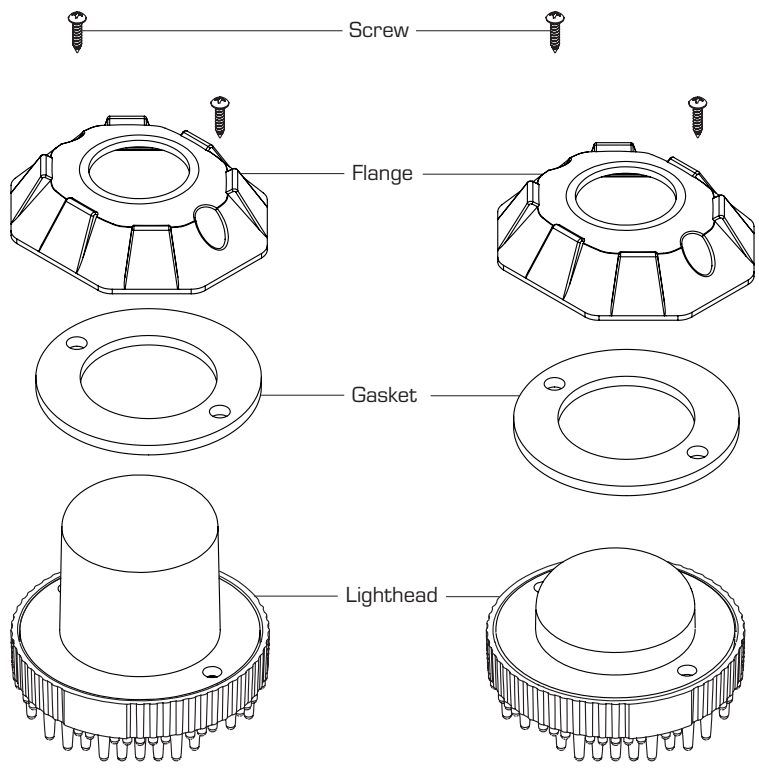
1.) Remove the 120° lens, by pushing the tabs on each side of the bottom of the LED heatsink towards the center of the cannon with a flat screwdriver. The lens will gently pop off. Please do not remove the o-ring from the heatsink..

2.)Unscrew the LED board from the heatsink.. Do not damage or touch the LEDS on the board. Remove the screw and leave the board flat against the heatsink.

3.) Place the chrome reflector on top of the board, making sure to match the center hole of the reflector with the hole of the board and heatsink. Place the newly supplied screw through the reflector and secure the reflector and board to the heatsink at a torque setting of 1 lb/ins.
(Note: The Cannon 360° screw is different than the Cannon 120° screw)

4.) Verify the reflector and board are firmly secured to the heatsink and then add the 360° lens to the assembly, by pushing the tabs on each end of the lens through the heatsink. Be sure the tabs engage the heatsink.

How to install Bezel Kit.



Wiring Diagram

Note: Mode 2 overrides mode 1 and mode 3 overrides modes 2 and 1.

Wiring Instructions:

1. To activate the unit, extend the red (+), yellow (+) or green (+) wire to a 12V post. Extend the black (-) wire to the ground post of the vehicle’s battery.

2. Momentarily connect the blue wire to the activated ground (12V-), black wire to cycle through the flash patterns.

3. Synchronization: To Sync two or more light heads together:

A. Apply 12V+ power to the red (+) yellow (+) or green (+) wire and apply 12V- to the black wire to power the unit on.

B. Cycle through all patterns by tapping the blue (flash pattern changer) wire to the activated black, ground wire until the steady burn pattern is selected. Please note that this step must be repeated per lighthead and per applicable mode wires. Repeat steps A and B on the next unit.

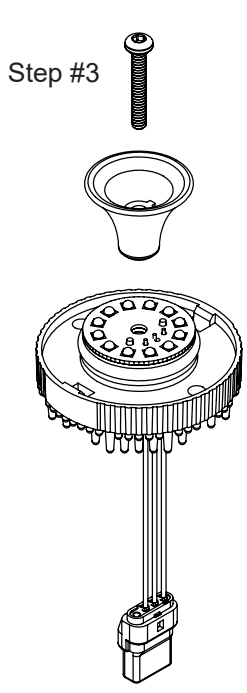
C. Connect one of the same colored mode wires (red, yellow or green) of the two light heads together; connect the black wires of the light heads together and then connect the blue wires of the light heads together.

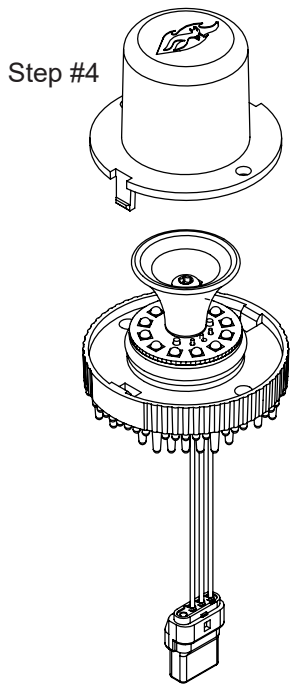
To Alternate Light Heads:

D. Follow Steps A-B.

E. For the light heads to alternate, one light head must be set as master and the other as slave on the mode wire intended for use. To do so, hold the blue (flash pattern changer) wire to ground for 3 seconds. If all LEDS turn on this indicates master mode. If half the LEDs activate this indicates slave mode. Set one unit as master and the other as slave.

F. Follow Step C. Change patterns by tapping the blue wire to the activated black, ground wire.





Color: ☐Red ☐Blue ☐Amber ☐White ☐Green

FLASH PATTERNS

This manual serves as a guide for the Cannon.

Single color patterns

Single Slow
Single Fast
Single Combo
Double Slow
Double Fast
Double Combo
Triple Slow
Triple Fast
Triple Combo
Brake Pop
Steady On

Dual color patterns

Color 1- Single Slow
Color 1- Single Fast
Color 1- Single Combo
Color 1- Double Slow
Color 1- Double Fast
Color 1- Double Combo
Color 1- Triple Slow
Color 1- Triple Fast
Color 1- Triple Combo
Color 2- Single Slow
Color 2- Single Fast
Color 2- Single Combo
Color 2- Double Slow
Color 2- Double Fast
Color 2- Double Combo
Color 2- Triple Slow
Color 2- Triple Fast
Color 2- Triple Combo
Color 1&2 / No Off Time- Single Slow
Color 1&2 / No Off Time- Single Fast
Color 1&2 / No Off Time- Single Combo
Color 1&2 / No Off Time- Double Slow
Color 1&2 / No Off Time- Double Fast
Color 1&2 / No Off Time- Double Combo
Color 1&2 / No Off Time- Triple Slow
Color 1&2 / No Off Time- Triple Fast
Color 1&2 / No Off Time- Triple Combo
Color 1&2 /Off Time- Single Slow

Color 1&2 /Off Time- Single Fast
Color 1&2 /Off Time- Single Combo
Color 1&2 /Off Time- Double Slow
Color 1&2 /Off Time- Double Fast
Color 1&2 /Off Time- Double Combo
Color 1&2 /Off Time- Triple Slow
Color 1&2 /Off Time- Triple Fast
Color 1&2 /Off Time- Triple Combo
Color 1- Brake Pop
Color 2- Brake Pop
Color 1- Steady On
Color 2- Steady On