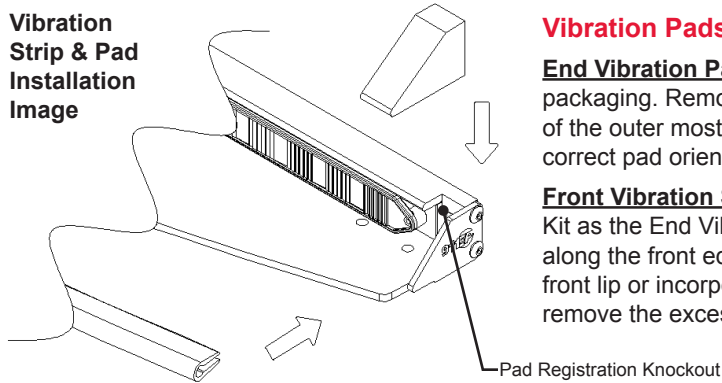


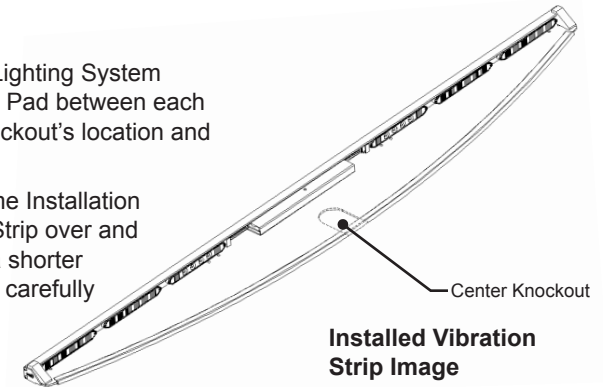
### Vibration Strip & Pad Installation Image



### Vibration Pads/Strip Installation:

**End Vibration Pads:** Locate the Installation Kit (640188) with the Commander Lighting System packaging. Remove the (2) foam, wedge-shaped End Vibration Pads. Position a Pad between each of the outer most LED segment's optic and chassis endcap. The registration knockout's location and correct pad orientation can be seen in the adjacent illustration to the left.

**Front Vibration Strip:** Remove the provided rubber Vibration Strip from the same Installation Kit as the End Vibration Pads. Starting from either end of the chassis, slide the Strip over and along the front edge of the CLS chassis. Some CLS chassis models may have a shorter front lip or incorporate a center, rearview mirror power knockout. In these cases, carefully remove the excess portion of the Strip using a scissors or blade.



**Installed Vibration Strip Image**

! Always Install Recommended Fuse Protection !  
 ! This Product is Intended to be Installed and Operated in Interior Applications Only !  
 ! Never Use a Battery Charger to Bench Test this Device !

### Installation Guidelines:

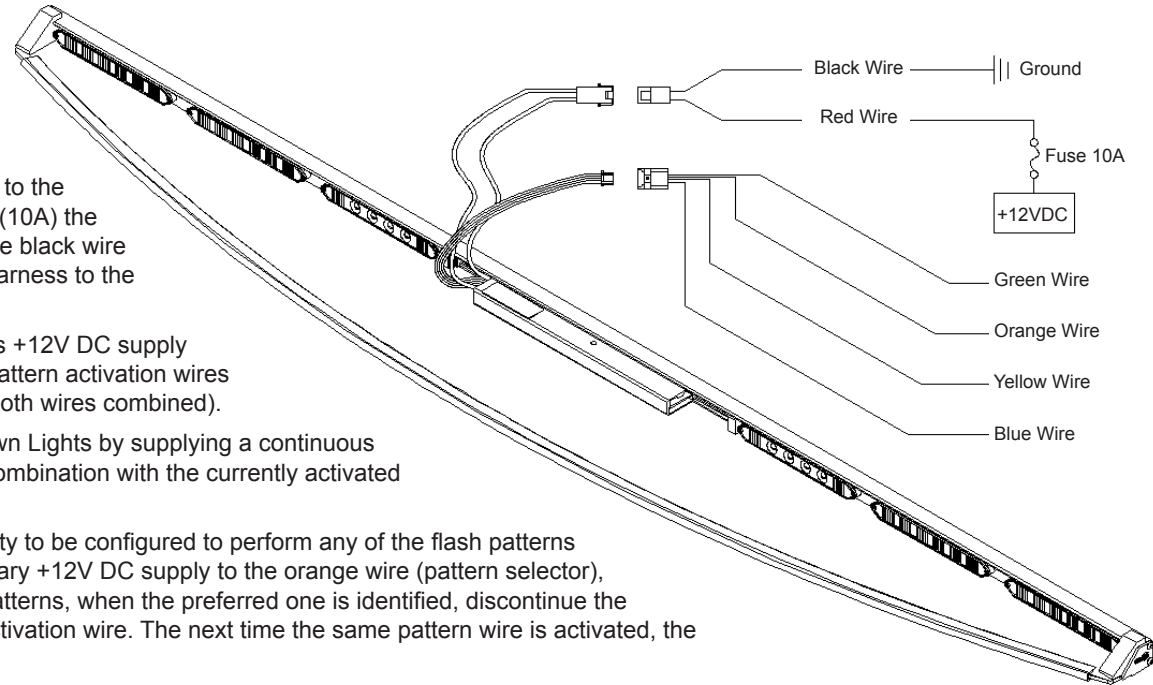
The Commander Lighting System should, ideally, be used in association with a switch box with 2 separate +12V DC switches (3 for incorporated LED Take Down Lighting configurations) or controller. This is recommended to utilize all product features to their fullest potential.

**Main Power/Ground Connections:** Connect the Power Extension Harness to the controller and route both wires to the vehicle's power source. Properly fuse (10A) the red wire and securely connect it to the +12V DC supply. Securely connect the black wire to the vehicle's common ground. Connect the remaining Power Extension Harness to the controller and route all wires to the vehicle's switch box.

**Flash Pattern Activation:** Activate a flash pattern by supplying a continuous +12V DC supply to either of the yellow or blue pattern activation wires. The yellow and blue pattern activation wires provide up to 3 configurable flash pattern options (each wire individually or both wires combined).

**LED Take Down Light Activation:** Activate any incorporated LED Take Down Lights by supplying a continuous +12V DC to the green wire. This feature can be individually activated or in combination with the currently activated flash pattern.

**Configuring the Flash Patterns:** All of the flash pattern wires have the ability to be configured to perform any of the flash patterns listed. A combined activation of the flash pattern wires, along with a momentary +12V DC supply to the orange wire (pattern selector), cycles through the flash patterns listed. Toggle through the available flash patterns, when the preferred one is identified, discontinue the momentary supply to the orange wire and remove power from the pattern activation wire. The next time the same pattern wire is activated, the product's memory automatically recalls and resumes the selected pattern.



### Flash Pattern List:

1	Wig-Wag 1Hz, All	5	Wig-Wag Chicago, All	9	Wig-Wag Double Pop, All
2	Wig-Wag 1Hz, Outer	6	Wig-Wag Chicago, Outer	10	Wig-Wag Double Pop, Outer
3	Wig-Wag 3Hz, All	7	Wig-Wag Accelerator, All	11	Wig-Wag Squab, All
4	Wig-Wag 3Hz, Outer	8	Wig-Wag Accelerator, Outer	12	Wig-Wag Squab, Outer

*Step-by-step instructions on vehicle specific mounting and installation are included within the provided mounting kit.*

**Commander Lighting System**  
(Standard Configurations)  
**User's Guide**



**Warranty and Instruction Compliance**

**Please read the product's warranty and installation guidelines carefully. Failure to do so may limit the warranty coverage or completely void the warranty.**

The 911EP Limited Warranty card describing the coverage details, terms, and conditions is included within the product's packaging. The warranty term chart for each specific product is on the front page. The product's suggested maintenance schedule can be found on the back page.



**Product Overview, Specifications and Precautions**

Thank you for purchasing a 911EP Commander Lighting System!

**! This Product Contains NO User Serviceable Parts !**  
**! Always Install Recommended Fuse Protection !**

**Overview:**

The Commander Lighting System (CLS) combines maximum illumination and protection with the lowest profile interior lighting package available to the market today. Advanced engineering allows the special design of the CLS to minimize any visual obstruction, thereby improving driver safety. Our customized and integrated glare shield virtually eliminates flash back. The CLS' easy-to-install, lightweight housing, and custom-contoured design works for most of the popular law-enforcement fleet vehicles available today.

**Precautions:**

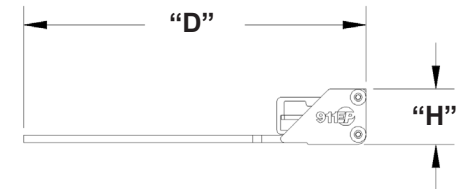
- ✓ Installing CLS requires a good understanding of automotive electronics, systems, and procedures.
- ✓ Please read all of the instructions before attempting to install or operate the 911EP CLS product.
- ✓ Always disconnect power when installing or uninstalling this device.
- ✓ Never use a battery charger to bench test the CLS.
- ✓ The CLS is intended to be installed and operated in interior applications ONLY.

**Product Specifications – Electrical:**

Optimum Operating Voltage – 13.8 volts DC (working range 10 – 15 volts DC)  
Stand-by Current Draw (not in use) - <.001A  
Operating Current Draw (13.8vdc) – 1A min / 7A max (determined by flash pattern activated)  
Recommended Fuse – 10A (user supplied)  
Operating Temperature Range – Min. -20°F (-30°C) / Max. 140°F (60°C)

**Product Specifications – Mechanical:**

Chassis Material – Extruded Aluminum  
Optic Material – Polycarbonate  
Product Length ("L") = 41.0" (427 cm)  
Product Height ("H") – 0.75" (19 mm)  
Product Depth ("D") – Varies by vehicle specific model: 4.0" (100 mm)



**Questions?**

911EP will quickly resolve any questions or concerns you may have regarding the use of our products. Please contact our Customer Service Department should you have any questions or need technical assistance. When contacting us about a product you have purchased, please have the product's serial number readily available.