

**⚠ WARNING**

To properly install this light, you must have a good understanding of automotive electrical procedures and systems, along with proficiency in the installation and use of safety warning equipment. Before installing this light, refer to the unabridged instructions for it (doc. no. 25500119), which are available online at [www.fedsig.com](http://www.fedsig.com). Print the online document and provide copies to the end users of this light, and to the personnel who will service this light.

**CONTENTS**

**Corner LED System**

LIGHT HEAD



FLASHER & CABLE



GASKET & SCREWS



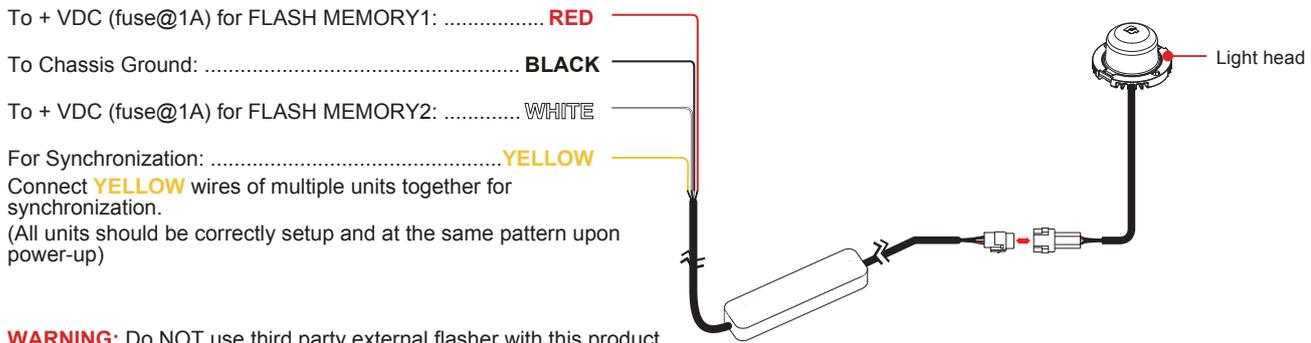
BEZEL & FOAM



3M™ VHB™ Mounts\*



NOTE: \* Sold separately.



**WARNING:** Do NOT use third party external flasher with this product.

**OPERATIONS**

For Color Mode:

Each MEMORY may flash in 1 of the 4 different Color Modes -

- ❶ COLOR 1 (MEMORY1 default), ❷ COLOR 2 (MEMORY2 default), ❸ COLOR 1 Alternates with 2, ❹ COLOR 1 and 2.

To set COLOR MODE:

1. Select the desired setting memory then apply +VDC to **RED** or **WHITE** wires (depend on the desired setting memory) then apply +VDC to **YELLOW** wire for over 3 seconds.
2. Once in **COLOR SELECTION**, the unit will pulse in low-power in:
  - ❶ COLOR 1, ❷ COLOR 2, ❸ COLOR 1 Alternates with 2, or ❹ COLOR 1 and 2.
3. Remove **YELLOW** wire from +VDC then momentarily apply to +VDC to change COLOR MODE:
  - ❶ COLOR 1 >> ❷ COLOR 2 >> ❸ COLOR 1 Alternates with 2 >> ❹ COLOR 1 and 2.
4. Exit **COLOR SELECTION** by:
  - (a) Applying +VDC to **YELLOW** wire for over 3 seconds or, (b) Disconnecting all power.

For Multi-unit Synchronization:

Each unit may be set to 1 of the 3 different Group -

- ❶ MASTER (default), ❷ SLAVE-SYNC, and ❸ SLAVE-ALT.

If synchronized flashing is not required, simply select the desired flash pattern.

For synchronized flashing, one unit should be set to ❶ MASTER group, while all other units **must** set to ❷ SLAVE-SYNC or ❸ SLAVE-ALT group:

1. Enter **GROUP SELECTION** by apply +VDC to **RED** and **WHITE** wires simultaneously then apply +VDC to **YELLOW** wire for over 3 seconds.
2. Once in **GROUP SELECTION**, the unit will steady-burn in low-power and pulse in high-power:
  - Single pulse = ❶ MASTER (default)      • Double pulse = ❷ SLAVE-SYNC
  - Triple pulse = ❸ SLAVE-ALT
3. Remove **YELLOW** wire from +VDC then momentarily apply to +VDC to change MODE:
  - ❷ SLAVE-SYNC units flash simultaneously with the ❶ MASTER unit.
  - ❸ SLAVE-ALT units flash alternately with the ❶ MASTER unit and all other ❷ SLAVE-SYNC units.
4. Exit **GROUP SELECTION** by:
  - (a) Applying +VDC to **YELLOW** wire for over 3 seconds or, (b) Disconnecting all power.

**NOTE:** If no MASTER unit were present, all SLAVE units will flash initially, and steady burn for 2 seconds to detect any synchronization signal. The installer/user may also use this to easily pick out SLAVE vs. MASTER units.

For Flash Pattern, momentarily apply +VDC to **YELLOW** wire

- once for next pattern      • quick three times to reset

**NOTE:** MEMORY1 Flash Pattern default at FP#1.  
 MEMORY2 Flash Pattern default at FP#10.

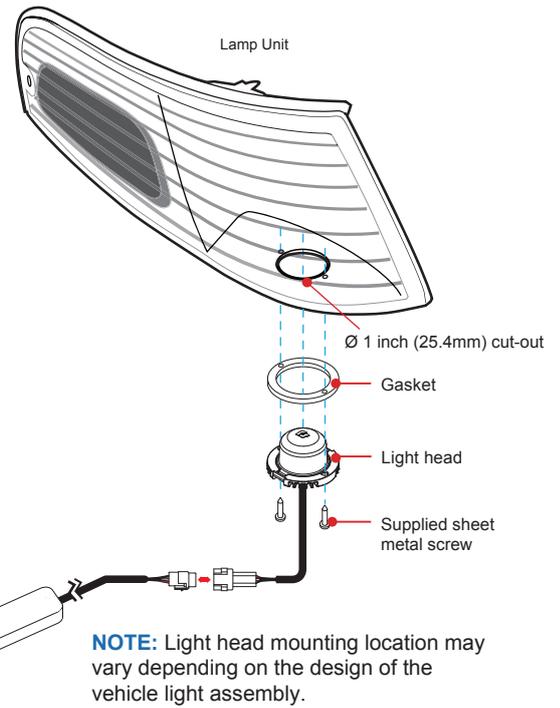
Flash Patterns			
1	Single 122	11	Single 73
2	Single 90	12	Mega
3	Single 113	13	Double 73
4	Triple 92.3	14	Quad 73
5	Triple 122	15	Quint 73
6	Triple 73	16	Ultra 73
7	Double 122	17	Single-Quad
8	Quad 122	18	Single H/L
9	Random	19	Single-Triple-Quint
10	Steady		

**NOTE:** The unit may not be factory set at FP#1.

## IN-LAMP INSTALLATION (Screw Mount w/ Gasket)

1. Remove the Corner/Head/Tail lamp assembly from the vehicle.
2. Select a location to mount the LED light head and drill a 1-inch (diameter) cut-out onto the lamp assembly.
3. Insert the LED light head through the gasket and the cut-out then secure with supplied screws.
4. Apply silicone around the cut-out (user-supplied) for better sealing and fit.

**WARNING:** Do NOT cover LED heat sink with silicone. This may cause LED overheating and void its warranty through misuse of product.

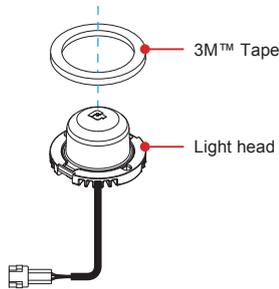


## IN-LAMP INSTALLATION (Self-Adhesive)

1. Remove the Corner/Head/Tail lamp assembly from the vehicle.
2. Select a location to mount the LED light head and drill an 1-inch (diameter) cut-out onto the lamp assembly.
3. Clean and dry the surface around the cut-out with 50:50 mix of isopropyl alcohol and water.
4. Apply the 3M™ VHB™ Mount to LED light head and press it firmly for 30 seconds.
5. Remove the tape liner from the tape on the LED light head.
6. Insert the LED light head into the cut-out and press it firmly for 30 seconds.

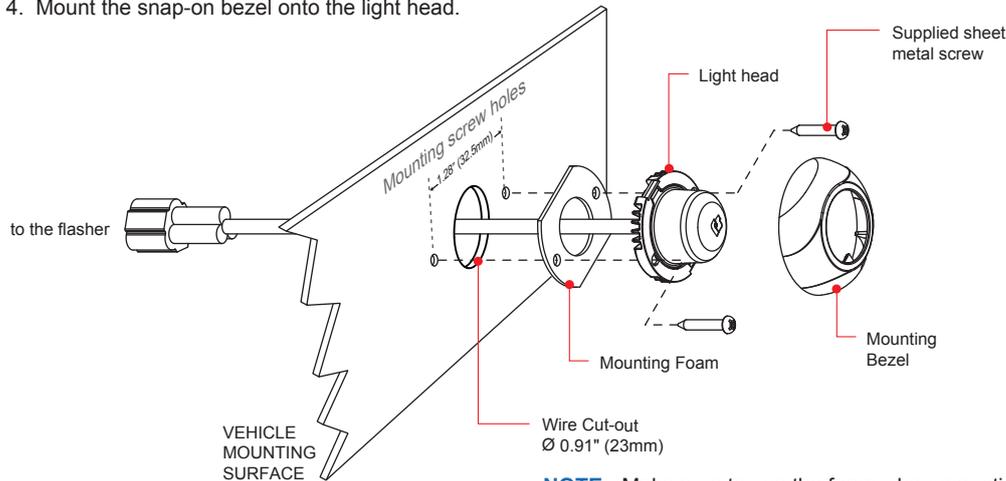
**NOTE:** 1. 3M™ VHB™ Mount is sold separately.

2. Full adhesion and bonding will be achieved after 72 hours at room temperature.



## BEZEL MOUNT INSTALLATION (for kits with Bezel option only)

1. Select a location to mount the LED light head and use the mounting foam to mark.
2. Drill the mounting cut-out and screw holes.
3. Feed the cable through the mounting foam and cut-out then secure with supplied screws.
4. Mount the snap-on bezel onto the light head.



**NOTE:** For best performance, be sure to keep the horizontal lines of optics parallel to the upper and bottom edges of Federal Signal's logo before installation.

**NOTE:** Make sure to use the foam when mounting light head.

## BEZEL REMOVAL

1. Apply pressure on both sides marked with arrows shown in the illustration. Please note the bezel surface pattern to press the correct area.
2. Lift the bezel to remove.

**NOTE:** Avoid multiple mount and removal of the bezel to prevent loose-fit.

