

Weldon 3902-8816-00 Series Lightbar
12 Lamp
R/R/R/R/R/CH/CH/R/R/R/R/R
Installation Instructions

1.) Mount the lightbar to the vehicle.

Mount the lightbar to the vehicle using the (4) mounting studs on the back of the bar. Two studs are located 8" in either direction off the centerline of the bar. The remaining two studs are 26" from the centerline. The wire harness exits at the centerline on the back of the bar.

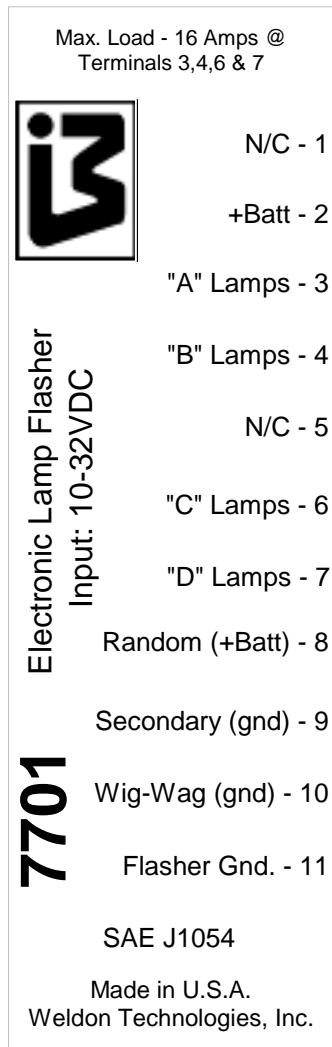
2.) Connect the wiring harness to the lightbar.

Assemble the lightbar wiring harness to the vehicle wiring harness. The wire colors and functions are as follows:

<u>Wire Color</u>	<u>Function</u>
Red	Flasher Pin 2 (+Batt.)
Green	Flasher Pin 8 (Random)
Green w/Black	Flasher Pin 10 (Wig-Wag)
White <u>and</u> White w/Black	Flasher Pin 11 (Ground)
Black	Halogen Pos. 6 & 7 (+Batt.)
Black w/White	Halogen Pos. 6 & 7 (Gnd.)
Blue	Not Used
Blue w/Black	
Orange	
Orange w/Black	
Red w/Black	

3.) The LED warning lamps are connected to the flasher as follows:

<u>Lamp Position</u>	<u>Flasher Connection</u>
1, 5, 8 and 12	Output "A"
2 and 11	Output "B"
3 and 10	Output "C"
4 and 9	Output "D"



Electrical Connections:

- Pin 1 – Not Used (Note that this pin is electrically connected to Pin 2)
- Pin 2 – Fused +BATT DC Power (enables default quad flash mode)
- Pin 3 – “A” Channel lamps. This is the +BATT output to power LED lamps.
- Pin 4 – “B” Channel lamps. This is the +BATT output to power LED lamps.
- Pin 5 – Not Used
- Pin 6 – “C” Channel lamps. This is the +BATT output to power LED lamps.
- Pin 7 – “D” Channel lamps. This is the +BATT output to power LED lamps.
- Pin 8 – Random pattern enable. Apply +BATT to enable the random flash mode (Note that power and ground must be applied to the flasher when “enable” is activated)
- Pin 9 – Secondary Switch Input – (NOT CONNECTED) Applying ground to this terminal will disable the “D” channel mode where the A & B channels flash alternately of the C & D channels.
- Pin 10 – Wig-Wag Input. Applying GROUND to this terminal will force the flasher into a “wig-wag” mode where the A & B channels flash alternately of the C & D channels.
- Pin 11 – Flasher ground. This pin must be connected to a good chassis ground for reliable operation of the flasher.