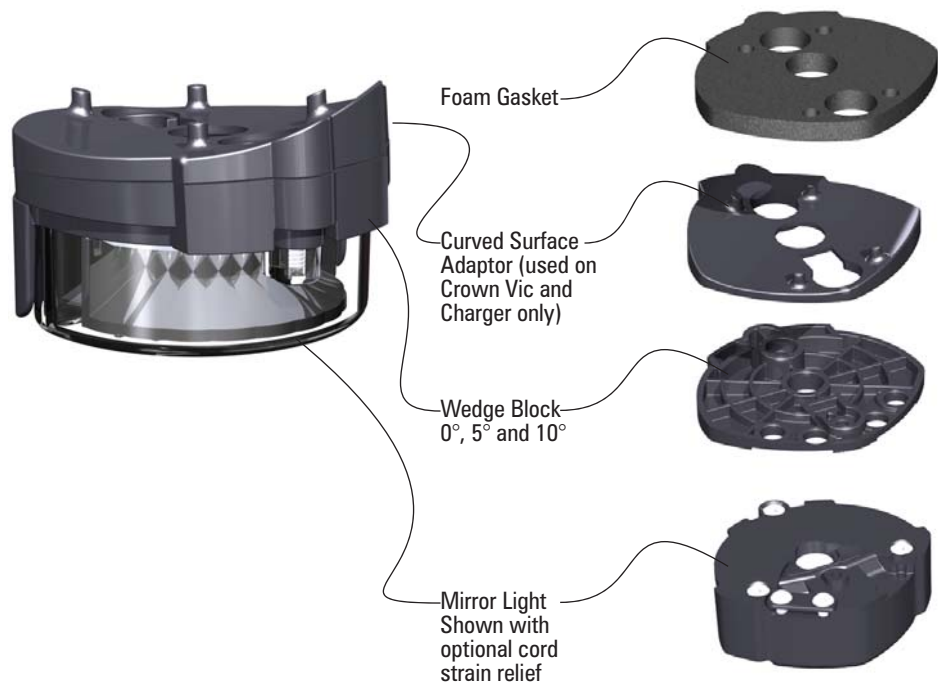




# INTERSECTOR LED LIGHT

ENT2B3(x)



Please see separate sheet for Technical Specifications

## Important Information:

- Warning devices are strictly regulated and governed by Federal, State and Municipal ordinances. These devices shall be used ONLY on approved vehicles. It is the sole responsibility of the user of these devices to ensure compliance.
- DO NOT install this product or route any wires in the Air Bag Deployment Zone. Refer to your vehicle Owner's Manual for the location of any air bag deployment zones.
- DO NOT connect this device to a strobe power supply. This product is self-contained and does not require an external power supply.



The INTERSECTOR LED Light is designed to be mounted under the vehicle's side mirrors and provide a warning signal to the front and sides. It can also be surface mounted.

## INSTALLATION:

Loosely assemble Intersector Light, correct wedge block and curve block (P=Passenger, D=Driver's side, Crown Vic and Dodge Charger only) and position assembly below side rear view mirror as shown at left.

Carefully remove light from stack without changing position of wedge block. Mark and drill pilot holes for #6 sheet metal screw.

Drill  $\varnothing 3/8"$  hole in mirror shell if wire is to be routed internally. If wire will be routed external of the mirror shell this step can be ignored.

Dismount mirror from door.

The following is particular to the Ford Crown Vic but can be applied to other vehicles as well:

After pilot holes for #6 sheet metal screws are drilled, a  $\varnothing 3/8"$  bit should be used to drill hole in race way next to mirror power race. A  $\varnothing 3/8"$  hole should then be made between the pilot holes and then angled toward the race way as shown in Figures 2-6 (second page). It is important to avoid drilling through the power cable as this will damage the mirror.

Using #6 machine screw, washer and square nut assemble light and appropriate wedge block, curve block (if required) and gasket. Route wire carefully through  $3/8"$  hole and into door. Use appropriate #6 sheet metal screws to attach light to underside of mirror. **DO NOT OVERTIGHTEN SCREWS AS THIS MAY DAMAGE THE MIRROR OR LIGHT.** Mirror may now be replaced on vehicle.

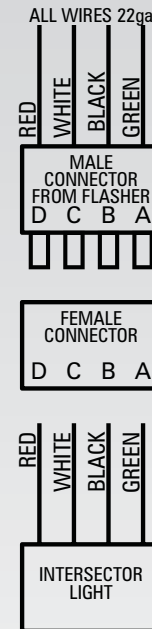
Attach supplied female connector and make other appropriate wiring connections inside of door.

## OPERATION:

For details on operation see page with 'Flash Patterns' table on last page.

## IMPORTANT:

Power should only be supplied through RED WIRE of flasher harness and must be fused with a 3A, user supplied, in-line fuse. Failure to install this fuse will create a fire hazard and will damage the Intersector Light. Connecting the Intersector light to any power source directly **WILL** permanently damage the light and will void warranty.



## WIRE HOOK-UP TABLE

| WIRE COLOR:<br>(ALL WIRES 20ga) | CONNECT TO:<br>(FROM FLASHER ONLY) |
|---------------------------------|------------------------------------|
| RED                             | +10-16Vdc                          |
| WHITE                           | Pattern Select / Sync              |
| BLACK                           | Ground (-)                         |
| GREEN                           | Cruise Mode (+10-16Vdc)            |

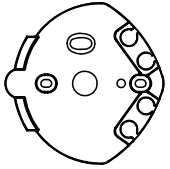
**⚠ WARNING**  
This product contains high intensity LED devices. To prevent eye damage, DO NOT stare into the light beam at close range.

To review our Limited Warranty Statement & Return Policy for this or any SoundOff Signal product please visit our website at [www.soundoffsignal.com](http://www.soundoffsignal.com) and select the "Warranty & Returns" link along the left column of our home page. If you have questions regarding this product please contact Technical Services, Monday - Friday, 8 am to 5 pm at 1.800.338.7337, press #4 to skip the automated message. Questions or comments that do not require immediate attention may be emailed to [techsupport@soundoffsignal.com](mailto:techsupport@soundoffsignal.com).

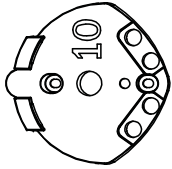
1.800.338.7337. / [www.soundoffsignal.com](http://www.soundoffsignal.com) / Thank you for trusting us with your safety!

**INTERSECTOR LED LIGHT**

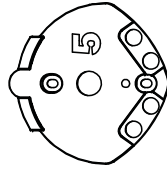
ENT2B3(x)



UTILITY BLOCK  
 0° (HORIZONTAL)\*

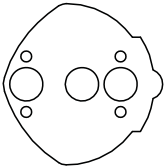


WEDGE BLOCKS  
 10° FOR TAHOE\*

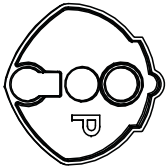


5° FOR CROWN  
 VIC, IMPALA AND  
 CHARGER\*

\* INDICATES FOR WHAT PART WAS DESIGNED. INSTALLATION  
 ON OTHER VEHICLES IS INSTALLER'S RESPONSIBILITY.



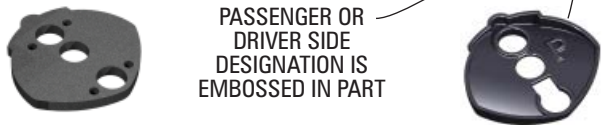
GASKET



CURVED SURFACE ADAPTOR  
 (CROWN VIC OR CHARGER)  
 P=PASSENGER SIDE  
 D=DRIVER SIDE



DEGREE DESIGNATION IS EMBOSSED IN PART

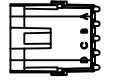


PASSENGER OR  
 DRIVER SIDE  
 DESIGNATION IS  
 EMBOSSED IN PART

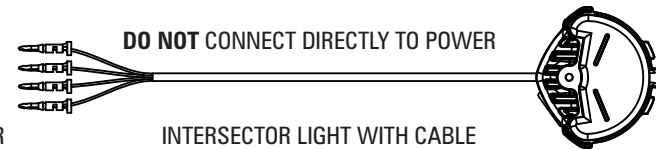


POWER HARNESS WITH IN-LINE FLASHER

USER SUPPLIED 3A FUSE ON RED WIRE

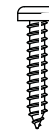


CONNECTOR



INTERSECTOR LIGHT WITH CABLE

DO NOT CONNECT DIRECTLY TO POWER



3/4" SHEET  
 METAL SCREW

USE WHEN  
 CURVE BLOCK IS  
 USED



1/2" SHEET  
 METAL SCREW

USE WHEN  
 CURVE BLOCK IS  
 NOT USED



SQUARE NUT



WASHER



3/8" MACHINE  
 SCREW

USE TO JOIN LIGHT TO WEDGE BLOCK AFTER  
 CORD EXIT IS DETERMINED



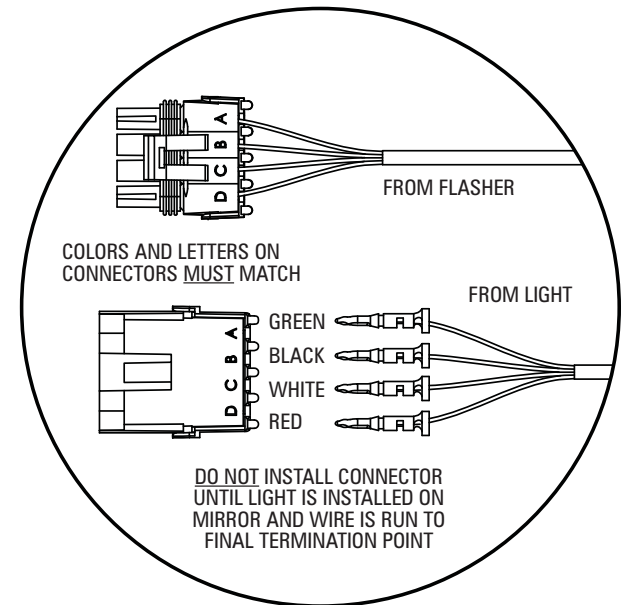
6-32 MACHINE SCREW

WASHER

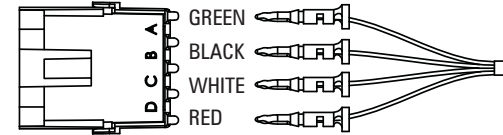
IF DESIRED CORD MAY BE  
 EXTERNAL OF THE MIRROR  
 BY USING THE STRAIN RELIEF  
 AND THREAD CUTTING  
 SCREWS SUPPLIED

SQUARE NUT (USE MASKING  
 TAPE TO HOLD IN PLACE)

GASKET IS ALWAYS  
 POSITIONED NEXT TO MIRROR  
 SHELL



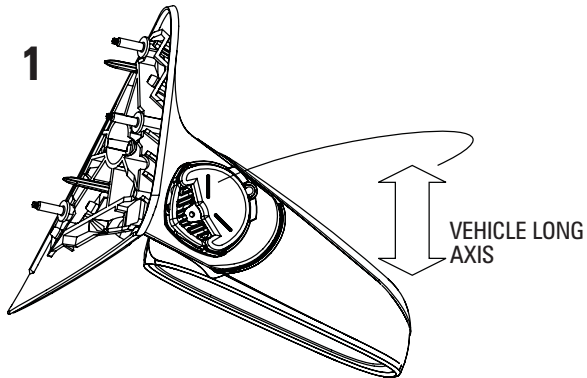
COLORS AND LETTERS ON  
 CONNECTORS MUST MATCH



DO NOT INSTALL CONNECTOR  
 UNTIL LIGHT IS INSTALLED ON  
 MIRROR AND WIRE IS RUN TO  
 FINAL TERMINATION POINT

**INTERSECTOR LED LIGHT**

ENT2B3(x)



Light should be positioned so that raised lines on lens is aligned with long axis of vehicle.



Drilling of inner part is only required on Crown Vic, Tahoe and Impala mirrors have sufficient clearances for cable. Cable for Charger must be bundled with power cable of vehicle.





# INTERSECTOR LED LIGHT

ENT2B3(x)

## 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).

| TECHNICAL SPECIFICATIONS |                          |
|--------------------------|--------------------------|
| Overall Dimensions:      | 1.88"H x 2.88"W x 2.93"D |
| Flash Patterns:          | 30 flash patterns        |
| Input Voltage Range:     | 10 - 16 Vdc (fused)      |
| Current Consumption:     | 1.5A (maximum)*          |
| # of LEDs:               | 9 Generation 3 LEDs      |
| Light Sync Technology:   | Yes (4 Maximum)          |
| Operating Temperature:   | -40° to +65° C           |

\* PATTERN DEPENDENT

## Replacement Parts & Accessories:

- PENT2B0(x) Intersector High Diode Light (only, no flasher)
- PNT2FLA: Intersector High Diode Inline flasher
- PNT1WDG: Intersector Custom Wedge Set (0, 5 & 10 degree)
- PNT1CRV01: Intersector Curved Surface Adaptor Set (1-Driver, 1-Passenger)



## SINGLE LIGHT HEAD SET UP AND PATTERN SELECTION

1. Disconnect WHITE wire from any connections if applicable.
2. Turn INTERSECTOR LED LIGHT ON by applying power to RED WIRE from flasher. **IMPORTANT NOTE:** Power harness with in-line flasher (PNT(x)FLA) **MUST** be used between power and light. **Any other flasher WILL cause permanent damage and void warranty.**
3. Momentarily touching and removing the WHITE wire to ground will advance the INTERSECTOR LED LIGHT to the next flash pattern. Touching and removing the WHITE wire for more than a few seconds will allow you to change the INTERSECTOR LED LIGHT to the previous pattern. See flash pattern table. Continuing to touch and remove the WHITE wire to ground will allow you to scroll through the pattern list. After pattern #30 is reached the list will start over again at pattern #1.

## SINGLE COLOR AND DUAL COLOR CONFIGURATIONS

Follow the ID selection steps and set the INTERSECTOR LED LIGHT to the following ID:

ID #2 - Single Color      ID #4 - Single Color

Single Color - Simultaneous Flash Patterns:  
- Set light heads to same ID (#2 or #4).

Single Color - Alternating Flash Patterns:  
- Set one light head to ID #2 and another to ID #4.

## MULTIPLE LIGHT HEAD SET UP AND PATTERN SELECTION

1. Set ID#
  - a. Connections
    - i. RED: +10-16Vdc
    - ii. WHITE: +10-16Vdc (Note: you will need to disconnect after power is applied)
    - iii. BLK: Ground
    - iv. GREEN: NO CONNECTION REQUIRED FOR ID SELECTION
  - b. Apply power to unit
  - c. Without disconnecting power from unit, disconnect WHITE wire
  - d. Momentarily connect WHITE to Ground to change ID #
    - i. Identify ID# by number of sequential flashes
    - ii. Possible ID#s: 2 or 4
  - e. Disconnect Power to exit ID mode
2. Set Pattern - Must be done individually to each light prior to syncing
  - a. RED: +10-16Vdc
  - b. BLACK: Ground
  - c. While light is powered, tap WHITE wire to ground to advance to the next pattern (SEE pattern table at right)
  - d. Disconnect Power
3. Sync Lights
  - a. Once desired pattern has been selected for all light heads connect all white wires and insulate with electrical tape.
4. Connect Master Switch for Application.

| Flash Patterns             |         |                      |                       |                           |
|----------------------------|---------|----------------------|-----------------------|---------------------------|
| Pattern Name               | 1 Light | Alternating 2 Lights | Simultaneous 2 Lights | F.P.M. (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. PowerPulse™             | x       | x                    | x                     | 180                       |
| 7. RoadRunner™             | x       | x                    | x                     | 113                       |
| 8. Q-Switch™               | x       | x                    |                       |                           |
| 9. RoadRunner™ 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. PowerRunner            | x       | x                    | x                     |                           |
| 16. LCR Quint              | x       | x                    | x                     |                           |
| 17. Warp <sup>3</sup>      | x       | x                    | x                     |                           |
| 18. Ultra Warp             | x       | x                    | x                     | 545                       |
| 19. Thunder & Lightning    | x       | x                    |                       |                           |
| 20. Lite Speed             | x       | x                    | x                     | 85                        |
| 21. SuperSonic             | x       |                      | x                     | 170                       |
| 22. LCR Lite Speed         | x       | x                    | x                     |                           |
| 23. SuperSonic Ultra       | x       | x                    | x                     |                           |
| 24. Tempo Shift            | x       | x                    | x                     |                           |
| 25. Tempo Shift Warp       | x       | x                    | x                     |                           |
| 26. SBE2                   | x       | x                    | x                     | 67                        |
| 27. C <sup>2</sup>         | x       | x                    | x                     | 200                       |
| 28. U <sup>2</sup>         | x       | x                    | x                     | 176                       |
| 29. Cyclone2               | x       | x                    | x                     |                           |
| 30. Chameleon2             | x       | x                    | x                     |                           |