

WHELEN[®]

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Installation Guide: TN™ Series LED Dash Light (Ontario Provincial Police Special)

Safety First

This document provides all the necessary information to allow your Whelen product to be properly and safely installed. Before beginning the installation and/or operation of your new product, the installation technician and operator must read this manual completely. Important information is contained herein that could prevent serious injury or damage.

- Proper installation of this product requires the installer to have a good understanding of automotive electronics, systems and procedures.
- If mounting this product requires drilling holes, the installer **MUST** be sure that no vehicle components or other vital parts could be damaged by the drilling process. Check both sides of the mounting surface before drilling begins. Also de-burr the holes and remove any metal shards or remnants. Install grommets into all wire passage holes.
- If this manual states that this product may be mounted with suction cups, magnets, tape or Velcro®, clean the mounting surface with a 50/50 mix of isopropyl alcohol and water and dry thoroughly.
- Do not install this product or route any wires in the deployment area of your air bag. Equipment mounted or located in the air bag deployment area will damage or reduce the effectiveness of the air bag, or become a projectile that could cause serious personal injury or death. Refer to your vehicle owner's manual for the air bag deployment area. The User/Installer assumes full responsibility to determine proper mounting location, based on providing ultimate safety to all passengers inside the vehicle.
- For this product to operate at optimum efficiency, a good electrical connection to chassis ground must be made. The recommended procedure requires the product ground wire to be connected directly to the **NEGATIVE (-)** battery post (this does not include products that use cigar power cords).
- If this product uses a remote device for activation or control, make sure that this device is located in an area that allows both the vehicle and the device to be operated safely in any driving condition.
- Do not attempt to activate or control this device in a hazardous driving situation.
- This product contains either strobe light(s), halogen light(s), high-intensity LEDs or a combination of these lights. Do not stare directly into these lights. Momentary blindness and/or eye damage could result.
- Use only soap and water to clean the outer lens. Use of other chemicals could result in premature lens cracking (crazing) and discoloration. Lenses in this condition have significantly reduced effectiveness and should be replaced immediately. Inspect and operate this product regularly to confirm its proper operation and mounting condition. Do not use a pressure washer to clean this product.
- It is recommended that these instructions be stored in a safe place and referred to when performing maintenance and/or reinstallation of this product.
- **FAILURE TO FOLLOW THESE SAFETY PRECAUTIONS AND INSTRUCTIONS COULD RESULT IN DAMAGE TO THE PRODUCT OR VEHICLE AND/OR SERIOUS INJURY TO YOU AND YOUR PASSENGERS!**

For warranty information regarding this product, visit www.whelen.com/warranty

SAFETY FIRST! Mounting this product requires drilling holes into the vehicle. The installer **MUST** be sure that no vehicle components or other vital parts could be damaged by the drilling process.

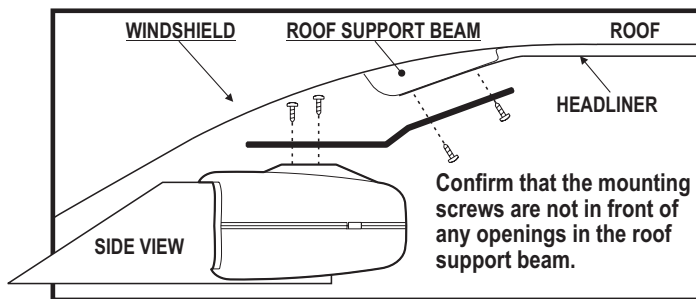
DO NOT INSTALL THIS PRODUCT OR ROUTE ANY WIRES IN THE DEPLOYMENT AREA OF YOUR AIR BAG. EQUIPMENT MOUNTED OR LOCATED IN THE AIR BAG DEPLOYMENT AREA WILL DAMAGE OR REDUCE THE EFFECTIVENESS OF THE AIR BAG, OR BECOME A PROJECTILE THAT COULD CAUSE SERIOUS PERSONAL INJURY OR DEATH. REFER TO YOUR VEHICLE OWNERS MANUAL FOR THE AIR BAG DEPLOYMENT AREA. THE USER/INSTALLER ASSUMES FULL RESPONSIBILITY TO DETERMINE PROPER MOUNTING LOCATION, BASED ON ULTIMATE SAFETY FOR ALL PASSENGERS INSIDE THE VEHICLE.

FAILURE TO FOLLOW THESE SAFETY PRECAUTIONS AND INSTRUCTIONS COULD RESULT IN DAMAGE TO THE PRODUCT OR VEHICLE AND/OR SERIOUS INJURY TO YOU AND YOUR PASSENGERS!

Mounting...

CAUTION! Nighttime operation of this product may produce reflected light within the vehicle! Use with caution!

1. Attach the reflective tape to the visor hood. Mount the hood onto the TN™ light assembly (see illustration on page 3).
2. Using the hardware provided (#6-1/2" PPHSMS), secure the TN to the mounting bracket.
3. Lower the front of the headliner and locate the Roof Support Beam. This is attached to the underside of the roof, just behind the windshield.
4. Position the TN assembly so that the exposed section of the mounting bracket is flat against the center of the Roof Support Beam and the visor hood is in full contact with the windshield. Make sure that the mounting bracket is in full contact with the entire Roof Support Beam. **When properly positioned, the mounting beam will not be covering any of the existing openings in the support!**



IMPORTANT! Do not locate the TN in any location where it will interfere with the drivers ability to safely operate the vehicle. Refer to the safety warnings on the cover of this manual.

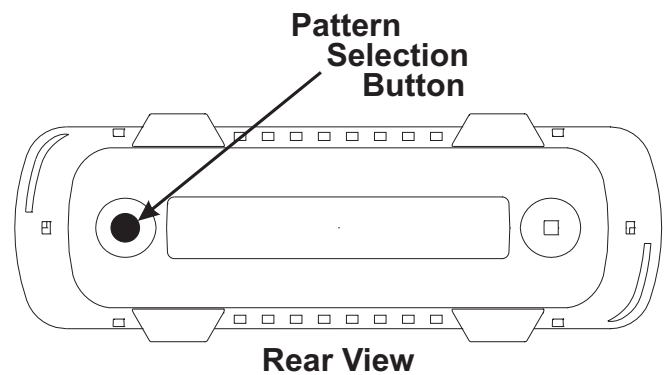
5. Re-mount the headliner to its normal, mounted position.
6. The installer can mount the TN to the Roof Support Beam in two different ways:
 - a) using the #6x1" PPH sheet metal screws. Note: This requires the installer to drill appropriately sized pilot holes into the support beam.
 - b) Using the #8 Self-Tapping Hex Head screws. NOTE: This requires the use of a drill equipped with an appropriately sized socket to drive the screws.

Whichever method is used it is up to the installer to confirm that the mounting hardware **DOES NOT** penetrate the vehicle roof.

Wiring...

This TN uses a cigar cord for power connection. When routing this cigar cord towards its power receptacle, remember to route this cord so that it does not violate the Air Bag warning listed previously!

Flash Pattern Selection:



To advance to the next flash pattern, press the pattern selection button for less than 1 second.

To cycle backwards to previous patterns, press the pattern selection button for more than 1 second.

To reset to the factory default pattern, begin by turning off power to the lighthouse. While pressing the pattern selection button, turn the lighthouse back on and keep the pattern selection button depressed for more than 5 seconds.

Flash patterns for the TN are listed on the following page.

QTY	ITEM	PART NUMBER	DESCRIPTION
*		01-0664151-55	SINGLE PASSIVE TN (Ontario Provincial Police Special)
1	1	01-0464151-00	KIT / INSTALLATION DASH LIGHT
2	2	15-06521B-080	SCREW / 6 X 1/2 PPH PLASTI-LOK SS BLACK OXIDE
2	3	11-463555-000	HOUSING / SINGLE LED DASH LIGHT
1	4	01-0264071155	SUB ASSY. SPLIT LED DASH LIGHT /RED-RED (CIGAR)
1	5	21-31000512-0	PLUG / HOLE RUBBER 5/32 DIA
1	6	68-3963604-30	LENS / CLEAR SNAP-ON LED DASH LIGHT

Single Split TN Flash Patterns

1. ActionScan™
2. SignalAlert™ (Alt.)
3. SignalAlert™ (Sim.)
4. CometFlash® (Alt.)
5. CometFlash® (Sim.)
6. DoubleFlash 75 (Alt.)
7. DoubleFlash 75 (Sim.)
8. SingleFlash 375 (Alt.)
9. SingleFlash 375 (Sim.)
10. SingleFlash 150 (Alt.)
11. SingleFlash 150 (Sim.)
12. SingleFlash 75 (Alt.)
13. SingleFlash 75 (Sim.)
14. ActionFlash™ (Alt.)
15. ActionFlash™ (Sim.)
16. SSNF (Flashing/Steady)
17. Dual Steady

