

# LIGHT WING INSTALLATION INSTRUCTION

Part No's: 167301, 167302, 167303, 167304

## WARNINGS!

- ✓ Do not over tighten the nuts and bolts or damage to the castings and or stripping of the threads could result.
- ✓ FOR SAFE AND PROPER USAGE OF THIS PRODUCT, THE MOUNTING INSTRUCTIONS MUST BE FOLLOWED CAREFULLY AND COMPLETELY.
- ✓ The manufacturer and distributor of this product are in no way responsible for the consumer's failure to adhere to the warnings and directions of these instructions in the event of damage to the consumer's vehicle, other properties and or personal injury.

1. Mount Lights to Light Wing. Please be sure to keep covers on to protect the lenses.
2. Determine the proper mounting location for the Light Wing. To help you determine where to mount your new Light Wing we have included a limited application guide on the reverse side. (If your vehicle is not listed, that does **not** mean the Light Wing won't fit, as the Light Wing is very universal). If your vehicle allows you to locate the Light Wing in the factory location then proceed to step 3. If your vehicle requires relocating the license plate from its factory location than you need to be sure that the Light Wing is mounted to a stable platform. We recommend that the Light Wing is mounted to the metal structure of the bumper; this includes the under-structure of urethane bumpers. NOTE: If your bumper is enclosed you will need to use the self-tapping torque screws. Once you have identified where you will be drilling the holes, use a 9/32" drill bit to drill out the three holes. This will insure a strong and stable installation.
3. Be sure that the top 2 holes and the center hole are in the metal part of the bumper. (The bottom 2 holes are only for the license plate; they will not be used to mount the Light Wing). Make sure that the wing tips do not touch the bumper. If there is interference than move the Light Wing up so that the wing tips clear the top of the bumper.
4. Remove your original front license plate and license plate frame. If there are plastic inserts in the bumper they may need to be removed. If you have an '88-'98 Chevrolet/GMC Pick-up/Tahoe/Suburban you will have a plastic back plate behind the license plate. This used due to the sweep of the front bumper. It may be necessary to reuse this plate behind the Light Wing, again due to the sweep of the bumper.
5. **LOCATING AND MARKING THE LIGHT WING FOR DRILLING:** Hold Light Wing up to bumper. Check for clearance of the wing tips, this may require moving the Light Wing tips above the bumper. Be sure that the wing is level. Mark the 3 holes for drilling. Be sure that: 1) the wing is level 2) there is clearance for all 3 holes 3) the Light Wing is mounted to the steel section of the bumper. Center punch holes. Drill pilot holes with 1/8" drill bit. Then enlarge to 3/8" if you are using the 5/16" bolts, or enlarge to 9/32" if you are drilling for the self-tapping torque screws.
6. Mount Light Wing by attaching with 2-5/16" bolts, flat washer and nut or use the self-tapping torque screws referred to in the NOTE in step 2. Some applications may require the stacking of washers on the upper left and right bolts, between the Light Wing and bumper. They will act as spacers on bumpers with a slope. If you have a gap in the corners, between the bumper and back side of the Light Wing that is greater than 1/8" then you will most likely want to use spacers. Use keyed counter sunk style bolt in center hole; tighten with the special keyed Allen wrench provided.
7. Tighten the three bolts until they are snug. Then progressively tighten the bolts starting with the upper left alternating with the upper right. Continue until tight but be sure to not over tighten. After the upper bolts are tight then you can tighten the center bolt.
8. Finish wiring lights. Aim your new lights according to manufacturer's directions.

**MATERIALS NEEDED:** Drill Motor, 1/8" & 3/8" drill bit, 9/32" for enclosed bumpers, pencil, center punch, 1/2" wrench plus socket or adjustable wrench.

**MATERIAL FURNISHED:** Light Wing, Instruction and one hardware pack. Auxiliary lamps sold separately

## IMPORTANT!

**WHEN INSTALLING THE LIGHTS DO NOT ENLARGE EXISTING HOLES IN THE LIGHT WING. THIS WILL VOID YOUR WARRANTY. THIS PRODUCT WILL HANDLE ONLY LIGHTS WITH 3/8" MOUNTING BOLT.**



### Quality and Style that Endures

Follow the diagram and the written directions carefully for a proper, safe installation.

Should you encounter an unusual, unforeseen problem, contact our Technical Help Line  
7:00 AM – 3:00 PM Pacific Time  
(951) 719-1068

Visit our web-site at  
[www.CARR.com](http://www.CARR.com)  
Warranty Information  
on our website

Carr Pattern Co., Inc.