LED Race Taillight – Technical Bulletin November 2010

Rotating Toggle Switch (180 deg orientation)…MARKED w/"X" ON BRACKET

1. Remove 2 screws from lens to access inside of light housing.
2. Locate switch and use a socket or opened end wrench to remove nut that holds the switch to lens
3. Take switch out of the hole & rotate 180 deg; then place back into lens (take care not to pull/stress wires) see photo on this bulletin
4. Hold switch while tightening nut; be careful to not over tighten the nut
5. Place lens assembly back on the mounting bracket & securely tighten the lens to the bracket (you may need to hold the threaded stand-offs)

Re-wiring for Extra Brightness (2 – 9 volts in series) *battery life is reduced in this configuration…MARKED w/"X" ON BRACKET

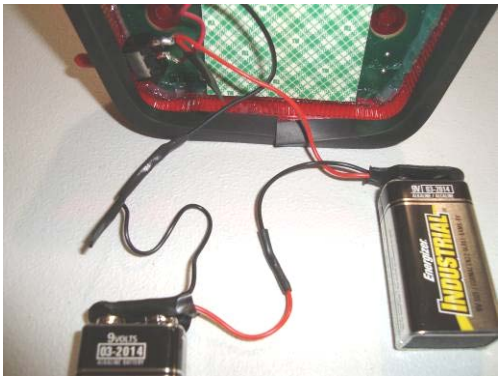
1. Access the batteries/wiring by removing the 2 screws from the lens assembly
2. Locate the wires from each of the two battery clips (black/red) see photo/schematic on this bulletin
3. Cut the black wire in location shown
4. Cut the red wire in location shown
5. Take the cut wire from each of the previous two steps and strip wires back ¼". Twist the wire ends together (solder if desired). Wrap this connection securely with black electrical tape or shrink tubing.
6. Take the remaining short ends of cut wires and wrap with black electrical tape.
7. At this time it is good to test the light to see that the LED's are functioning properly. It is also recommended to replace the batteries with a high quality alkaline type.
8. Tuck wires back into the lens while taking care not to cover the mounting hole area.
9. Place lens assembly back onto the bracket and line up the mounting holes with the blind nuts on the bracket; then install the mounting screws. Do not over tighten as you could damage the lens housing.

Re-wiring for Extended Battery Life (2 – 9 volts in parallel)

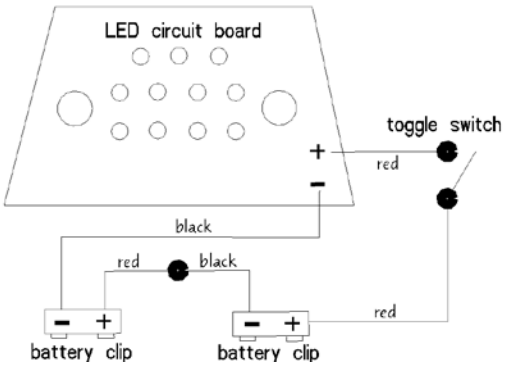
1. Access the batteries/wiring by removing the 2 screws from the lens assembly
2. Locate the wires from each of the two battery clips (black/red) see photo/schematic on this bulletin
3. Cut the section of shrinkwrap tubing that connects a red wire and a black wire between the two battery clips at locations shown
4. Strip the cut red wire back 1/8" and solder/connect to the other red wire that comes from the 2nd battery clip to the toggle switch
5. Strip the cut black cut wire and connect to the other black wire that comes from the 2nd battery clip to the LED circuit board
6. At this time it is good to test the light to see that the LED's are functioning properly. It is also recommended to replace the batteries with a high quality alkaline type.
7. Tuck wires back into the lens while taking care not to cover the mounting hole area.
8. Place lens assembly back onto the bracket and line up the mounting holes with the blind nuts on the bracket; then install the mounting screws. Do not over tighten as you could damage the lens housing.

Re-wiring for Extra Brightness (2 – 9 volts in series)
***battery life is reduced in this configuration**

-All lights manufactured <u>after</u> 11/09/2010-



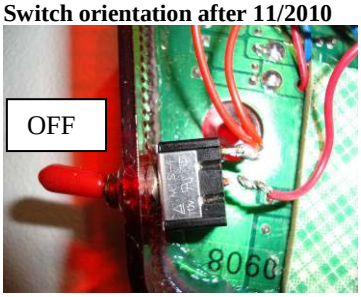
9volt Batteries in Series
Wiring for Brightness Schematic



Rotating Toggle Switch

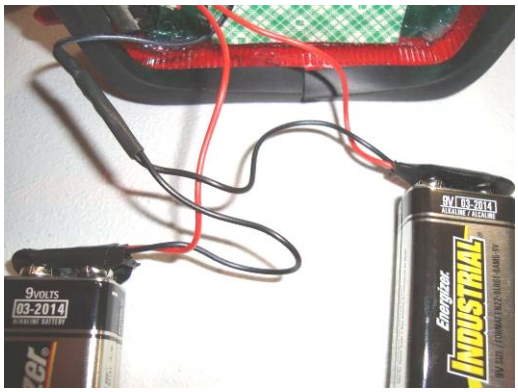
Switch orientation before 11/2010

Switch orientation after 11/2010



Re-wiring for Extended Battery Life
(2 – 9 volts in parallel)

-All lights manufactured <u>before</u> 11/09/2010-



9volt Batteries in Parallel
Wiring for Battery Life Schematic