



Installation Instructions for the E-Z On™ Cleat Mount Trailer Lights

Congratulations on the purchase of your E-Z On™ Cleat Mount trailer lighting system. You have made a wise investment for years of safe, convenient and economical lighting for your boat trailering needs. By taking a few minutes to read and follow these simple instructions, you will maximize the potential of this fine lighting system.

Step 1 Mounting and dismounting the lights on your boat cleats

Facing the rear of the cleat, loop the shock cord over the front of the cleat. Stretch back down to allow the cleat to enter the cleat hole in the mounting plate.

Step 2 Mating the mounting plate cleat holes to your cleats

The cleat hole in the plate has been engineered to fit most boat cleats in use today. However, due to the vast number of sizes and shapes of cleats available as original and replacement equipment, you may need to enlarge the cleat hole vertically and/or horizontally for a proper fit.

To do this, proceed as follows:

- 1) Set the mounting plate next to the cleat (about 1/2 way between the rear end of the cleat and the cleat base.) Mark on the mounting plate where the cleat will pass through.
- 2) Adjust the hole size with a rat-tail file or pocket knife to allow the cleat to fit snugly in the cleat hole while the base of the mounting plate is in firm contact with the deck of the boat.

Step 3 Adjusting the shock cord tension

Shock cord tension should be tight enough to hold the light firmly to the cleat yet loose enough to allow easy removal with both hands. Adjust tension by re-trying one or both of the knots. To tie shock cord, from the knot, then pull against it toward the END of the cord.

Step 4 Wiring

A) If your towing vehicle is already wired to accept standard trailer lights, all you have to do is make sure the ground wire (white) on the inside of your car/truck is attached to a suitable ground.

B) If your vehicle is not wired for trailer lights, proceed as follows:

- 1) Make certain car light are "OFF."
- 2) Connect YELLOW wire to left turn signal and stop wire in left rear of your trunk by stripping, soldering and taping the connection by using a wire tap device.
- 3) Connect GREEN wire to the right turn signal and stop wire.
- 4) Connect BROWN wire to tail light wire.
- 5) VERY IMPORTANT - connect WHITE wire to frame or body of vehicle (using screw holding trunk latch or similar convenient point.)

Step 5 Testing circuitry

Before using on the road, test the lighting system by plugging into the trunk connector on towing vehicle and testing as follows:

- 1) Headlights, stop lights and turn signals. Make sure all lights on towing vehicle and boat are working properly.
- 2) Should the turn signals function opposite the towing vehicle, it is probably that the YELLOW and GREEN wires on the trunk connector are hooked up backwards on the towing vehicle. Reverse them and test again. Make sure the light bearing the licence plate is on the RIGHT rear cleat.
- 3) Re-check GROUND

Caution: Many flashers for automobile turn signals will not carry the additional load of trailer turn signals. If normal operation does not occur when connected to the trailer, a heavy duty replacement flasher may be obtained through auto parts outlets.

Step 6 Using your lights

Attach your lights to the cleats (license plate goes to starboard rear cleat). Install the right one first, then the left. Run the wire up to the trunk connector plug and plug in the lights. Stow excess wire inside your boat. That's all there is to it. We recommend looping the wire around your bow rail or a bow cleat leaving enough slack between the boat and the towing vehicle allow for turns without breaking the wire harness.

Recommendations: When you are not using your boat or trailer, remove the lights and store them in your towing vehicle or garage - this will add to the longevity and appearance of the lighting system and also safeguard them against possible theft.