



Congratulations on your purchase of the LED450-T-TS LIGHT KIT!

The LED450-T-TS LIGHT KIT will work on any motorcycle or scooter fitted with a top-mounted GIVI E450 case. The kit is easy to install and significantly enhances your visibility on the road and the good looks of your E450 case. Each kit contains LED lighting that fits perfectly behind the original red lenses of the GIVI case. The embedded mini controller fits neatly under your seat or behind the tail light assembly. The mini controller allows you to connect the light kit to your bike's tail light, brake light **and** turn signals. Your case lights will always be on when riding, the lights will brighten when you apply your brakes, and the right or left case lights will flash with your turn signals.

Please note: We make no guarantee that the LED450-T-TS LIGHT KIT is legal for street use in your area. You should never rely on your LED450-T-TS LIGHT KIT alone – always ensure that your stock brake light and turn signals are functioning properly. The LED450-T-TS LIGHT KIT is intended to complement your bike's original safety lights for added safety.



Figure 1



Figure 2



Figure 3



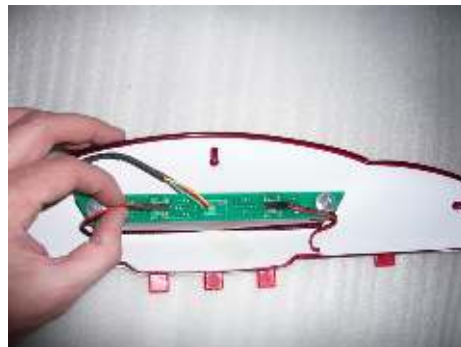
Figure 4



Figure 5



Figure 6





LED450-T-TS LIGHT KIT

Installation Instructions

Please read all instructions fully BEFORE beginning installation!

1. Remove the three (3) screws that hold the red lens and GIVI logo in place.
2. Lay case on its side. Drill a pilot hole approx. 2"-3" above the top left case hinge (slightly off center to the left to accommodate an existing or future back rest). Use the supplied 7/16" drill bit to enlarge hole to the required size*. (Fig. 1)
3. From inside of case, insert male end of connector through hole and secure on outside of case using supplied plastic nut. Ensure connector is tight (hand tighten only). **Do not over tighten or the connector may break!** (Fig. 2)
4. Drill 1/4" hole where indicated. (Fig. 3)
5. Slide supplied grommet carefully over other end of internal harness over green/yellow/red wires. It is a tight fit so use caution not to bend the male pins.
6. Slide 3-pin connector through top of hole. Note: It may be necessary to ream the hole slightly to accommodate the connector.
7. Work grommet into hole until it sits properly in hole. Again, this is a tight fit so be patient!
8. Remove white insert and adhere both 9 piece LED strips to outward facing side of insert. (Fig. 4)
9. Cut small slits in white insert to accommodate connectors from both 9 piece LED strips. Connect both strips to LED board. Black to "NEG". (Fig. 5)
10. Place LED circuit board behind red lens. Next, place grommets and then washers over red shafts. Tighten small screws provided until grommet starts to compress. Do not over tighten! (Fig. 6)
11. Connect 3-pin connector from LED board to harness connector inside case. Secure connections with heat shrink or electrical tape.
12. Replace red lens inserting the three (3) center tabs into the case lip first. Secure with the three (3) screws removed previously.
13. Proceed to LED450-T-TS LIGHT KIT Wiring Instructions

* The connector can be placed in any number of places on the case. We recommend, mounting the case on your rack to determine exactly where you most prefer to install the connector. Should you make a mistake or change your mind in the future, we can supply complementary plugs to fill a 7/16" drilled hole. Contact us at www.admorelighting.com.



Tools/items required:

- Drill with standard drill bits
- Small Phillips screwdriver
- Electrical tape
- Circuit tester (if available)

Items supplied:

- 1 -8" LED circuit board
- 2 – 9 piece SMT LED strips
- 2 wiring harnesses (internal & external)
- 1 Y-Harness
- Connector kit
- 3 rubber grommets, 2 #5 screws, 2 washers
- 7/16" drill bit
- These instructions
- Warranty card



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Wiring Instructions

Your AdMore Light Kit has been designed to operate with the tail, brake **and turn signal** light functions of your motorcycle or scooter. Using the supplied wire tap connectors, look as close to the rear taillight as possible to locate the indicated wires:

5-Wire Harness	Your Motorcycle
BLUE*	+ 12V (switched)
RED	Brake Light wire
GREEN	Right Turn Signal wire
YELLOW	Left Turn Signal wire
BLACK	Ground

* Blue wire must be connected to switched +12V to operate the embedded mini controller. On many motorcycles and scooters, the tail light wire may be used for this purpose. For motorcycles or scooters with a single brake/tail light wire, connect the Blue wire to a +12V source switched with the ignition. Connect the Red wire to the single brake/tail light wire.

Mount top case on motorcycle or scooter and attach harness from bike to male connector on bottom of case. Note: Connector locks by inserting and turning (1/4 turn).

Test functioning of the light kit with your motorcycle's tail & brake lights & turn signals.

CAUTION: The controller embedded in the main power harness **MUST NOT** be submersed in water. Ensure that the controller is placed in a location that does not fill with water!

Troubleshooting:

1. Ensure the Blue wire is connected to +12v
2. Ensure Black wire is connected to a solid ground
3. If lights still do not illuminate, test the power harness by connecting the Blue wire directly to +12v of a battery and the Black wire to solid ground.

Visit www.admorelighting.com for information on other AdMore products, replacement parts and special offers!