



Congratulations on your purchase of the LED370-T-TS (CG) LIGHT KIT!

The LED370-T-TS (CG) LIGHT KIT will work on any motorcycle or scooter fitted with a top-mounted GIVI E370 case. The kit is easy to install and significantly enhances your visibility on the road and the good looks of your E370 case. Each kit contains two high intensity bi-color (red/amber) LED light panels that fit 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 (amber) with your turn signals.

Please note: We make no guarantee that the LED370-T-TS (CG) LIGHT KIT is legal for street use in your area. You should never rely on your LED370-T-TS (CG) LIGHT KIT alone – always ensure that your stock brake light and turn signals are functioning properly. The LED370-T-TS (CG) 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



Figure 7





LED370-T-TS (CG) LIGHT KIT

Installation Instructions

Please read all instructions fully BEFORE beginning installation!

1. Remove the four (4) screws in the lid of case. Loosen the two (2) screws shown (Fig. 1). Remove the two lenses from the top of case.
2. Remove original inserts (if any)
3. Using sharp scissors, cut slits in new white inserts in same locations as original white inserts (Fig. 2)
4. Drill a 3/16" (5mm) hole on each side under the lens as shown. (Fig. 3 & 4)
5. Run each of the LED array wires through each of the drilled holes from outside the case to inside the case.
6. Take each of the small, black, empty connector housings and mate them to the corresponding connectors on the Top Case Harness.
7. Match wire colors (yellow to yellow, red to red, and black to black) from the LED array & insert all 3 wires at the same time half-way into the empty connector housing
8. Press each wire firmly into the housing ensuring that each of the three (3) terminals is secure in each connector housing.
9. Replace lenses and screws (4) removed earlier.
10. Determine preferred location to mount male connector. Location should be relatively flat (outside and inside case) and should not interfere with an existing or future backrest. Also, be mindful of the length of cable provided for installation inside the case. Drill a pilot hole then use the supplied 7/16" (11.5mm) drill bit to enlarge hole to the required size*. (Fig. 5) 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!** (Fig. 6)
11. Connect case harness cables with both LED cables.
12. Proceed to LED370-T-TS (CG) LIGHT KIT Wiring Instructions
13. Tidy up installation securing all cables. Use the included cable clamps to secure the cable to the inside of your case. Be sure to clean surface with an alcohol wipe prior to affixing the cable clamps to ensure maximum adhesion.

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

* 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:

- 2 – E370 bi-color (red/amber) LED Light Panels
- 2 wiring harnesses (internal & external)
- Connector kit with cable clamps
- 7/16" drill bit
- These instructions



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Wiring Instructions

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

5-Wire (CG) Power Harness	Your Motorcycle / Scooter
RED ¹	Tail Light wire
BLUE	Brake Light wire
GREEN	Right Turn Signal wire
YELLOW	Left Turn Signal wire
BLACK	Ground

¹ For motorcycles equipped with LED tail/brake lights, the Red wire must **not** be connected to the Tail wire. The Red wire must be connected to a 12V switched source (live when ignition switch is on).

Mount case and attach harness from bike or scooter to male connector on case.

Note: Connector locks by inserting and turning ¼ turn.

Finally, test the functioning of the light kit with your motorcycle or scooter's tail light, brake light, and 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 that all dip switches are in the "On" position (Left position with cables pointing down).
2. Ensure the Red wire is connected to switched +12v
3. Ensure the Black wire is connected to a solid ground
4. If lights still do not illuminate, test the power harness by connecting the Red 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!