

Congratulations on your purchase of the LEDV46-T-TS (CG) LIGHT KIT!

The LEDV46-T-TS (CG) LIGHT KIT will work on any motorcycle fitted with a top-mounted GIVI V46 case. The kit is easy to install and significantly enhances your visibility on the road and the good looks of your V46 case. Each kit contains one (1) high-intensity LED circuit board that fits perfectly behind the four (4) round lenses of the GIVI case and 2 (two) flexible arrays that mount under each side lens. The mini controller embedded in the main power harness fits neatly under your motorcycle 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 your lights will flash in **amber** with your turn signals.



Please note: We make no guarantee that the LEDV46-T-TS (CG) LIGHT KIT is legal for street use in your area. You should never rely on your LEDV46-T-TS (CG) LIGHT KIT alone – always ensure that your stock brake light and turn signals are functioning properly. The LEDV46-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



LEDV46-T-TS (CG) LIGHT KIT

Installation Instructions

Please read these instructions completely before beginning installation!

1. Remove the three (3) screws that hold the upper part of the lens and the GIVI logo in place.
2. Remove lens and top cover together
3. Remove silver insert from center lens and discard (Note: Tech cases with clear lenses do not have inserts).
4. Remove the screws (2) holding the side lenses in place and remove the inserts from behind the right and left lenses.
5. Place the AdMore LED circuit board behind the center lens. Next, place grommets and then washers over shafts. Tighten small screws provided until grommets start to compress.
6. Before removing 3M tape from back of LED arrays, practice placing the arrays on each of the GIVI inserts (or directly on the case) and behind lenses to determine preferred location. Recommended location is just under or just over the center ledge of each lens with the edge of each array close to the inner portion of the lens. It is important that the wire leads will reach the connector(s) on the center-mounted LED board! Mark the planned location for each LED array, then remove the 3M tape and firmly affix on each side.
7. Drill the knock-out in the GIVI case just above and to the right of the handle using a 3/8" drill bit.
8. Take the Case Cable and from inside the case insert one connector through the hole and then the second connector. Connect the Case Cable connectors to the main board "C2" and "C3" connectors as shown in Figure 6.
9. Take each of the small, black, empty connector housings and mate them to each of the last two remaining connectors "P3" and "P4" on the main board.
10. Insert all 3 wires at the same time half-way into each of the two (2) empty connector housings as follows: Black → Ground, Red → Brake, Yellow → Signal (Note: On P3, Ground is at the Bottom, on P4, Ground is at the Top).
11. Press each wire firmly into the housing ensuring that each of the three (3) terminals is secure in each connector housing.
12. Prepare to mount the quick-disconnect connector inside the top case.* Determine the most suitable location to mount the connector ensuring that it is easily accessible and does not interfere with the top rack and/or operation of the motorcycle and/or driver/rider mounting or dismounting the motorcycle. Drill a pilot hole and then use the supplied 7/16" (11mm) drill bit to enlarge the hole to the required size.
13. From inside of case, insert male end of connector and harness through hole and secure on outside of case using supplied nut. Ensure connector is tight (hand tighten only). **Do not over tighten or the connector may break!**
14. Reassemble the top cover and GIVI logo. Replace / tighten all screws. Wire leads are purposely short to minimize excess wire under the case lid. Note: You may need a helper to complete this part of the installation. **Recommendation:** Complete bike wiring to test operation of the light kit before completing this step.
15. 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.

Tools/items required:

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

Items supplied:

- 1 - 8" V46-T-TS LED circuit board
- 2 – 12 pcs LED arrays with exposed terminals
- 2 wiring harnesses (internal & external)
- Connector kit with cable clamps
- Rubber grommets (2), #4 screws (2), washers (2)

* 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.

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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
RED*	+ 12V (switched)
BLUE	Brake Light wire
GREEN	Right Turn Signal wire
YELLOW	Left Turn Signal wire
BLACK	Ground

* Red wire must be connected to switched +12V to operate the embedded mini controller. On most motorcycles and scooters, the tail light wire may be used for this purpose.

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 light, brake lights 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 the Red 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 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!