Congratulations on your purchase of the LEDV47-T-TS (CG) LED Light Kit!

The LEDV47-T-TS (CG) LED light kit will work on any motorcycle or scooter fitted with a V47 top mounted case. The kit is easy to install and significantly enhances your visibility on the road and the good looks of your luggage. Each kit contains two high intensity weatherproof LED arrays that fit perfectly behind the upper lenses of your top case. The mini controller embedded in the main power harness fits neatly under your motorcycle/scooter seat or behind the tail light assembly. The mini controller allows you to connect the LED light kit to your bike or scooter'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 lights will flash **amber** with your turn signal lights.

Please note: We make no guarantee that the LEDV47-T-TS (CG) LED light kit is legal for street use in your area. You should never rely on your LEDV47-T-TS (CG) LED light kit alone – always ensure that your stock brake light and turn signals are functioning properly. The LEDV47-T-TS (CG) LED light kit is intended to <u>complement</u> your bike or scooter's original safety lights for added safety.

Figure 1

Figure 2

Figure 3

Figure 4

Figure 5

Figure 6

LEDV47-T-TS (CG) LIGHT KIT

Installation Instructions

Please read all instructions fully BEFORE beginning installation!

1. Gently remove the lenses and the bezel inserts from the case (2 screws per side – note the different screw sizes)
2. Drill small holes (approx. 3/16" or 5mm) in the two (2) knock-out locations in the front of the lid.
3. Run each of the LED array wires through each of the drilled holes from outside the case to inside the case.
4. Remove the tape backing on each of the LED arrays and press the LED arrays against the bezel housing ensuring the LEDs are centered in each of the LED holes. **Note**: Handle the arrays carefully! LEDs do **not** have to fit perfectly! You can use tape to help hold the array in place.
5. Take each of the small, black, empty connector housings and mate them to the corresponding connectors on the Top Case Harness.
6. Match wire colors (yellow to yellow, red to red, and black to black) from the LED array & insert all 3 wires <u>at the same time</u> half way into the empty connector housing
7. Press each wire firmly into the housing ensuring that each of the three (3) terminals is secure in each connector housing.
8. 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.
9. From inside of case, insert male end of connector 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!**
10. Replace the screws removed earlier to secure the lenses.
11. Connect the flat black connectors to the same LED connectors ensuring wire colors are matched.
12. Proceed to LEDV47-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.

> ***** 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
- Circuit tester (if available)

- Pliers or crimp tool
- Electrical tape

Items supplied:
- 2 – custom fit high-intensity bi-color (Red/Amber) LED light arrays
- 1 - 5-wire power harness with embedded mini-controller, round connector (female)
- 1 – case harness, round connector (male)
- Connector kit with cable clamps
- 7/16" (11mm) drill bit

LEDV47-T-TS (CG)

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!