

Congratulations on your purchase of the LED2420HON-T-TS (CG) LIGHT KIT!

The LED2420HON-T-TS (CG) LIGHT KIT will work on any motorcycle fitted with the top-mounted Honda 45L case. The kit is easy to install and significantly enhances your visibility on the road and the good looks of your 45L case. Each kit contains two flexible bi-color LED arrays, each with 48 high-powered LEDs, that perfectly behind the original lens of the Honda case. 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 **amber** with your turn signals.



Please note: We make no guarantee that the LED2420HON-T-TS (CG) LIGHT KIT is legal for street use in your area. You should never rely on your LED2420U-T-TS (CG) LIGHT KIT alone – always ensure that your stock brake light and turn signals are functioning properly. The LED2420HON-T-TS (CG) LIGHT KIT is intended to complement your bike's original safety lights for added safety.



FIG 1



FIG 2A



FIG 2B

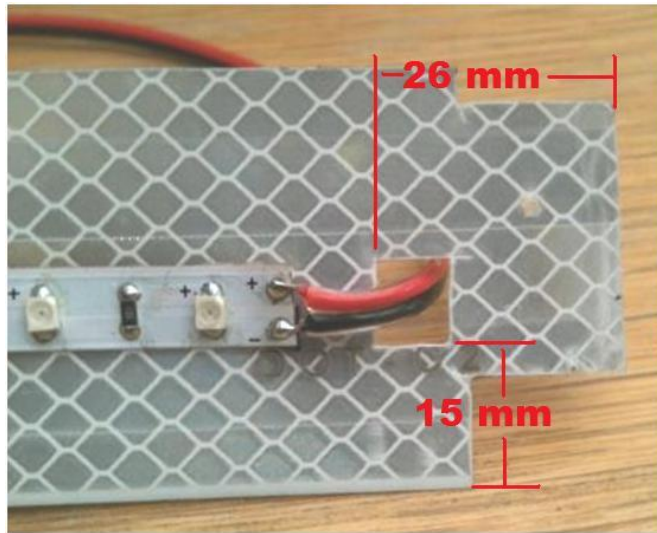


FIG 3

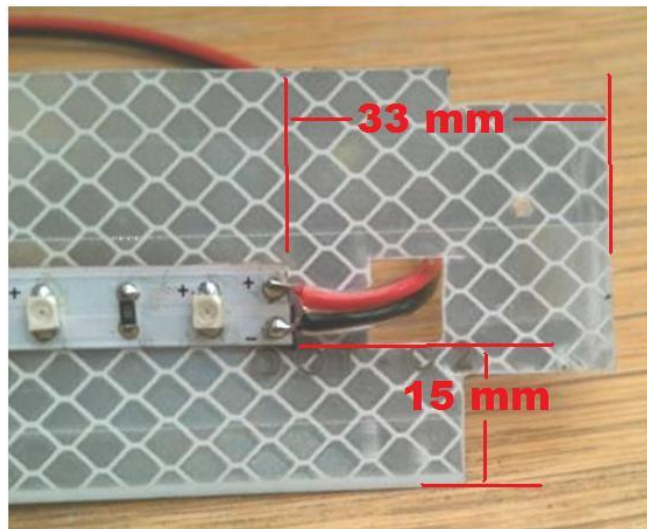


FIG 4



FIG 5



FIG 6



FIG 7

Tools/items required:

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

Items supplied:

- 2 x 24 pcs bi-color LED arrays with 3-pin connectors
- 2 x wiring harnesses (internal & external)
- Connector kit with cable clamps
- Drill bit (7/16")
- These instructions, Warranty card

* 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.

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!

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Installation Instructions

Please read these instructions completely before beginning installation!

1. From inside of case, remove the six (6) screws holding the left and right lenses in place and remove lenses and white plastic inserts from behind the lenses (Fig. 1). The following instructions are for the left side installation. Repeat for right side installation.
2. Using a 5/16" (8mm) drill bit, drill a hole through the front of the case as indicated. (Fig 2A & 2B). Note: the left side of the hole should be up against the first moulded raised detail and down approximately 1" (30mm) from the top lip as shown.
3. Take the white plastic insert and drill or cut a hole big enough to accommodate the two LED wires and connector. (Fig 3). Note: The plastic insert in Fig 3 is not white, as it has been covered in a darker material enabling better contrast for the purpose of these instructions.
4. To correctly position the LED array on the white plastic insert, remove the adhesive backing and apply in the suggested position (Fig 4) ensuring the bottom of both ends of the LED array is equidistant from the bottom edge of the plastic insert. Thread the LED array wires through the hole in the plastic insert and then through the hole drilled in step 2. Mount the insert onto the top box ensuring that it sits firmly at the bottom of the slot. HINT: You may want to practice positioning of the LED array on the plastic insert by first removing a small amount of the adhesive backing at either end of the LED array and assembling the insert and red lens back onto the top box.
5. Feed LED array connector through the hole and mount the lens, end nearest the top box handle first, ensuring that the LED's are equally aligned throughout the length of the lens and are situated in one of the grooves on the reverse side of the lens (Fig 5). Once satisfied, replace the screws holding the lens. Hint: Apply pressure on the outside of the black box plastic to ensure self tapping screws enter the lens and do not just push it outwards. Repeat above steps for right side of top box.
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. Determine your preferred mounting point for the case harness and connector. Drill a pilot hole and then use the supplied drill bit to drill a 7/16" hole to mount the male connector from the case harness. In the example in Fig 6 it has been mounted in the rear corner of the top box.
10. 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!**
11. Route the wires and join the connectors.
12. Proceed to LED2420HON-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.

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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 CanBus-equipped motorcycles, 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 6 dip switches are in the "Off" 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.

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