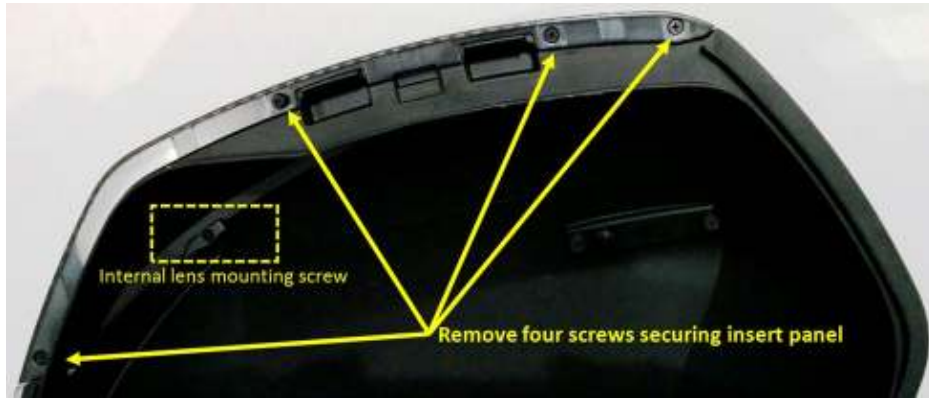


Congratulations on your purchase of the LED-SH36-S-TS (CG) LIGHT KIT!

The LED-SH36-S-TS (CG) LIGHT KIT will work on any motorcycle fitted with side-mounted SHAD SH36 cases. The kit is easy to install and significantly enhances your visibility on the road and the good looks of your SHAD cases. Each kit contains two high intensity bi-color (red/yellow) LED inserts that fit perfectly behind the red lens of each SHAD case. The power harness with the embedded mini controller 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 and brake lights **and** amber turn signals! Your case lights will always be on when riding, the lights will brighten when you apply your brakes and each case light will flash with your right or left turn signal.

This instruction set is available at [www.admorelighting.com](http://www.admorelighting.com) on this product's page under the "Documentation" tab.

***Please note: We make no guarantee that the LED-SH36-S-TS (CG) LIGHT KIT is legal for street use in your area. You should never rely on your LED-SH36-S-TS (CG) LIGHT KIT alone – always ensure that your stock brake light and turn signals are functioning properly. The LED-SH36-S-TS (CG) is intended to complement your bike's original safety lights for added safety.***



# LED-SH36-S-TS (CG) LIGHT KIT

## Installation Instructions

1. Color insert panel removal: Secured with four (4) small M3 x 10mm Phillips-head screws and small (fragile) alignment inserts along the outer edge and double-sided adhesive. Warming the insert panel area indirectly (in sunshine) or directly (low setting heat gun or hairdryer) helps soften the adhesive. With a small thin flat edge tool, work the alignment inserts out of the inserts and slowly work to loosen and lift the insert panel away. Take your time - do not rush!!
2. Lens removal: With the insert panels removed, the outer M3 x 10mm screw at the back is revealed. Remove it and then the screw located on the inside of the lid. Pull the front and lower lens inserts out of their slots and lift the lenses away.
3. Test fitment: Lay the left and right LED inserts in place using small pieces of tape to hold them in place. Overlay the lenses to make sure that they will not touch or sit on any part of the inserts once reinstalled.
4. With the inserts test-fitted, mark a point 5mm to 7mm in front of the upper point of the LED inserts where the 3-wire leads will pass through into the case.
5. Drill small holes (approx. 3/16" or 5mm) in the location near each wire end to accommodate running the wires into the case.
6. Run each of the LED array wires through each of the drilled holes from outside the case to inside the case.
7. Remove the backing on each of the LED arrays and gently press the LED arrays into place.
8. Take the small, black empty connector housing and mate it to other side connector on each Side Case Harness.
9. 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.
10. Press each wire firmly into the housing ensuring that each of the three (3) terminals is secure in each connector housing.
11. 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.
12. 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!**
13. Proceed to LED-SH36-S-TS (CG) LIGHT KIT Wiring Instructions
14. 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
- Electrical tape
- Circuit tester (if available)

### Items supplied:

- 2 – custom cut LED inserts with bi-color (red/yellow) LEDs for SH36 cases
- 1 - 5-wire harness with embedded controller and 4-position dip switch
- 2 - 3-wire harnesses for mounting within each case (right/left)
- Connector kit with cable clamps
- 7/16" drill bit
- These instructions
- Warranty card, dip switch 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](http://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!

# LED-SH36-S-TS (CG) LIGHT KIT

## Wiring Instructions

Your LED-SH36-S-TS (CG) LIGHT KIT has been designed to operate with the tail, brake **and turn signal** light functions of your bike. 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
RED <sup>1</sup>	Tail Light wire
BLUE	Brake Light wire
GREEN	Right Turn Signal wire
YELLOW	Left Turn Signal wire
BLACK	Ground

<sup>1</sup> For CanBus-equipped motorcycles, the Red wire must be connected to a 12V switched source (live when ignition switch is on). Connect the Blue wire to the brake light wire.

Mount cases on bike and attach harnesses from bike to male connectors on sides of both cases. Note: Connector locks by inserting and turning.

Finally, test the functioning of the light kit with your motorcycle's tail and brake lights and turn signals.

DIP Switch Settings		
Switch	Function	Default
1	Brake Light Modulation	"ON"
2	LED Brightness	"HIGH"
3	Tail Light	"ON"
4	Standard Mode*	"ON"

\* Switch to "Off" only for trailer applications

### Troubleshooting:

1. Ensure the Blue & Red wires are twisted together and 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 & Red wires directly to +12v of a battery and the Black wire to solid ground.

Visit [www.admorelighting.com](http://www.admorelighting.com) for information on other AdMore products, replacement parts and special offers!