

MADJAX

Installation Instructions for:

LED ULTIMATE LIGHT KIT PLUS #02-049

LED ULTIMATE LIGHT KIT PLUS- WITH RGB #02-101

Will fit Yamaha® Drive® (2007-16)



ITEMS INCLUDED

Front and Rear lights
Wiring harness
Hazard switch
Turn Signal Assembly
Brake Switch
Horn
USB Charger
48-12v Converter
Column Cover
Mounting Hardware

TOOLS NEEDED

#2 Phillips Head Screw
Driver
Rotary Cutting Tool
Sandpaper
Power Drill
15/32" Drill Bit
1-1/8" Paddle Bit

Control box features:

- 30 second turn signal timer
- Eliminates flashers/ Relay
- Brake Lights Automatically turn off after 3 minutes of setting parking brake.

RGB Module controlled
by Happy Light App



IOS7.0 & Android 4.3

We recommend professional installation. If you choose to not have this product installed by a professional, we highly recommend that you exercise caution, care, and patience when installing this product.



Important: Any modifications made to the wiring harness or lights in this kit will void the warranty. Any damages that occur to the kit or cart will be the sole responsibility of the installer.

ATTENTION: The Instructions for this Ultimate Plus Light Kit & RGB Light Kit are identical

STEP 1

Switch key to OFF position. Place TOW/RUN switch to TOW. It is not required to remove the batteries but you do need to disconnect the main negative.

STEP 2

Remove all plastic rivets from floor and remove floor mat. Lift pedal assembly cover from floor to expose pedal assembly.

Retain all.



STEP 3

IMPORTANT: Route harness to prevent it rubbing against or being pinched by moving parts, such as the suspension.

Route the front of the wiring harness through pedal assembly and up to the front cowl. Feed front of harness to the dash for hazard switch and USB.

Route the rear of the harness up into the battery compartment for now. Loosely secure with wire ties until all lights have been installed.

Red 3 pin connector's are for the passenger's side, white connector's for driver's side.



STEP 4

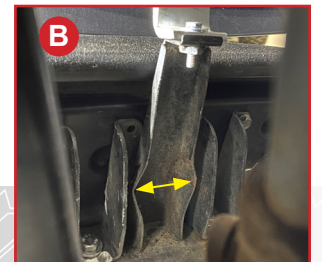
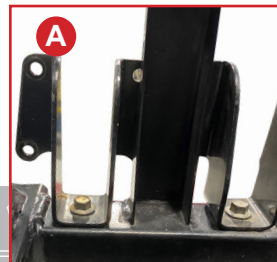
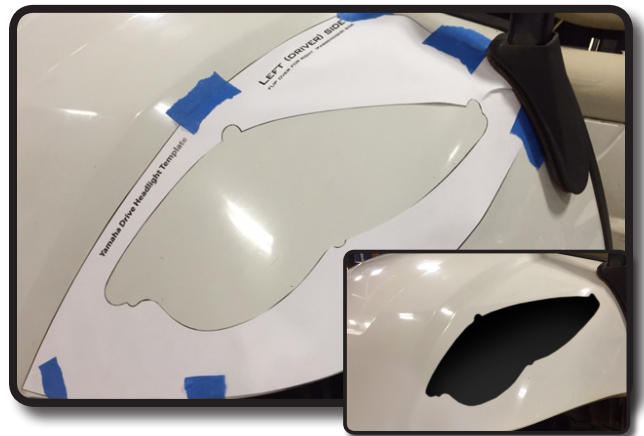
***For carts without a pre-cut hole:**

Align headlight template to the body contour as shown using the template notes for proper placement. Use a marking pen to trace the cut out.

Drill a pilot hole as a starting point, then use a rotary cutting tool to cut out the headlight. Be sure to cut to the inside of the marked line. Use sandpaper to smooth edges.

***Flip template over and repeat process on other side.**

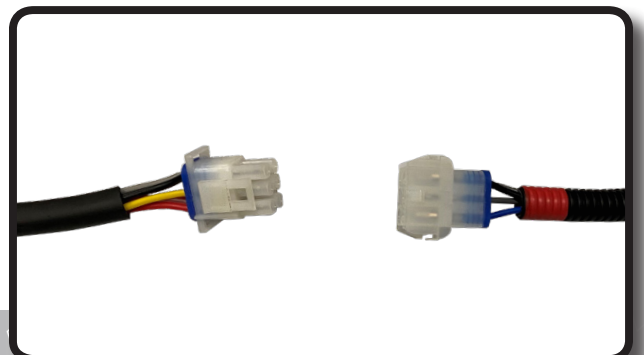
NOTE: Before cutting out lights ensure that your cowl mounting bracket is straight like in example **A** and not bent like example **B**. This will cause cowl to be too close to glove box and damage may occur.



STEP 5

Plug the 6-pin connector on the harness to the headlight connector. Repeat on other side.

NOTE: Passenger side is RED

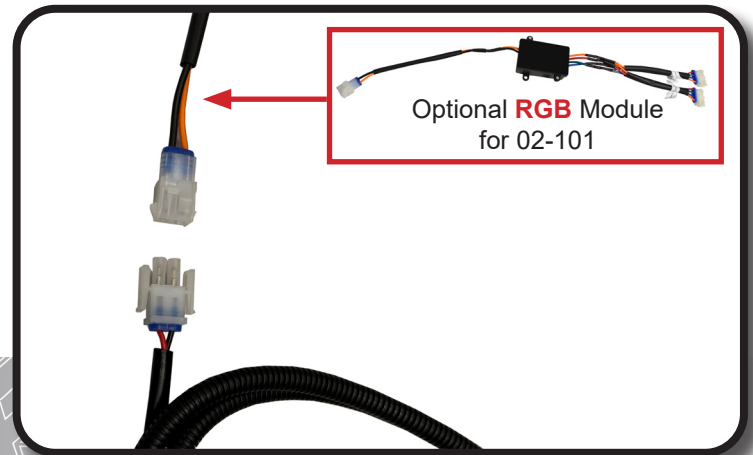


OPTIONAL RGB MODULE INSTALL FOR 02-101 ULTIMATE PLUS RGB LIGHT KIT

ATTENTION: For Ultimate Plus Light Kit Instructions (02-049), Skip to Step 6.

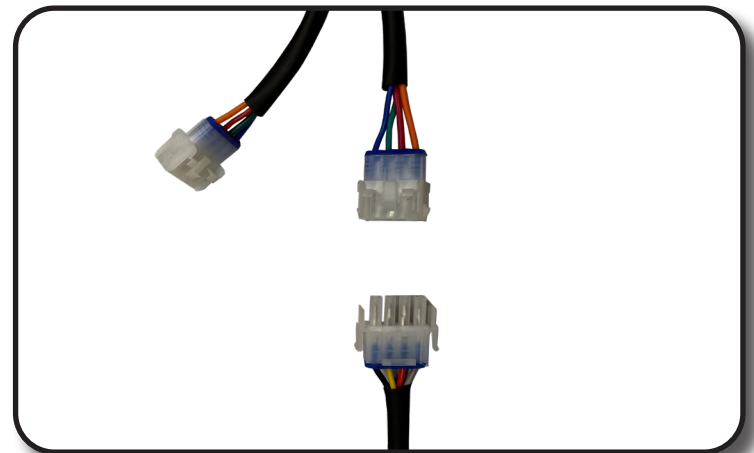
STEP A

Connect the 2-Pin Connector from RGB Module to the Light Kit Harness.



STEP B

Connect the 4-pin Connector from RGB Module to the Headlight.



OPTIONAL RGB MODULE INSTALL COMPLETE

STEP 6

Mount headlight through the cutout using supplied fasteners.



STEP 7

Align Tail Light template to the body as shown using the template notes for proper placement. Use a marking pen to trace the cut out. Drill a pilot hole as a starting point, then use a rotary cutting tool to cut out the tail light. Be sure to cut to the inside of the marked line. Use sandpaper to smooth edges.

***Flip template over and repeat process on other side.**



STEP 8

Feed the new tail light harness through the tail light cut out. Attach tail light to wire harness as shown. Secure wire with supplied zip ties.



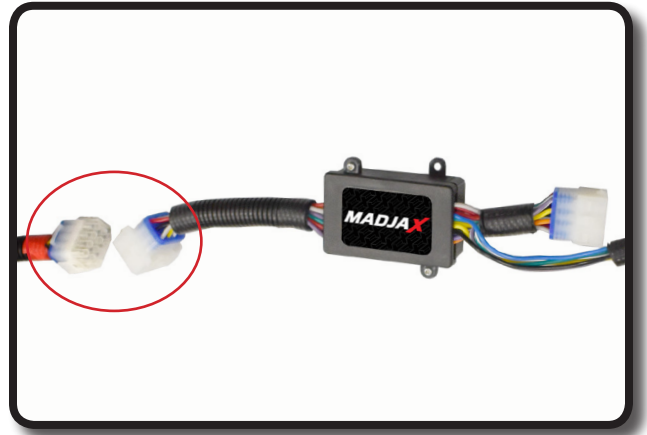
STEP 9

Install new tail light using supplied screws.
***Repeat process on opposite side**



STEP 10

Plug in the 12 pin connector from the main harness to the 12 pin connector on the turn signal module secure module behind dash.



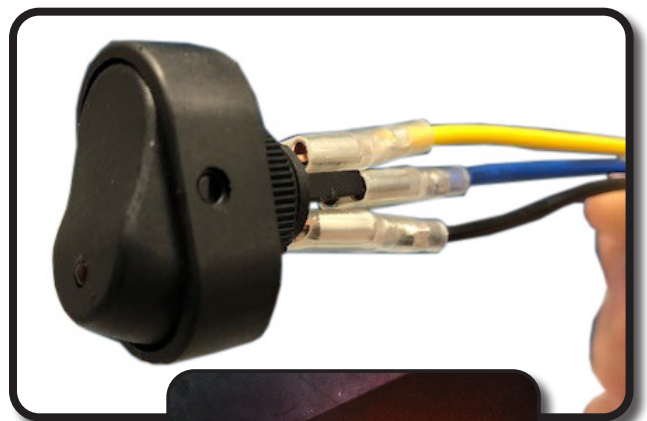
STEP 11 *Hazard Switch Install*

Temporarily remove the cup holder insert using a 3mm Allen wrench to access dash cavity.

Find a desired location on your dash to mount the hazard switch. Ensure the location is free of obstacles and will not affect dash reattachment.

Using a 15/32" bit, drill a mounting hole and insert switch into dash. Secure with the ring nut from back of switch.

Reattach wires: Black behind led, Blue on center post, and Yellow on top post

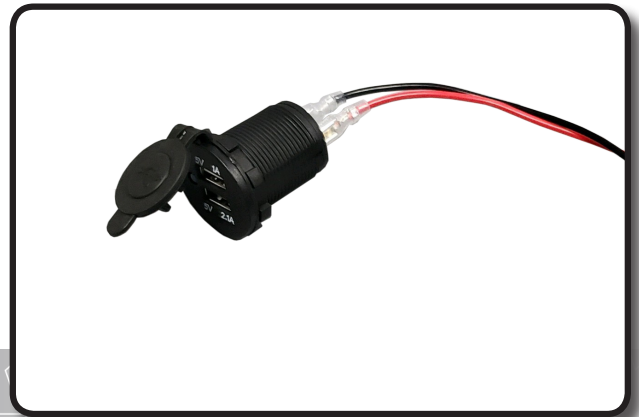


STEP 12

USB Charger Install

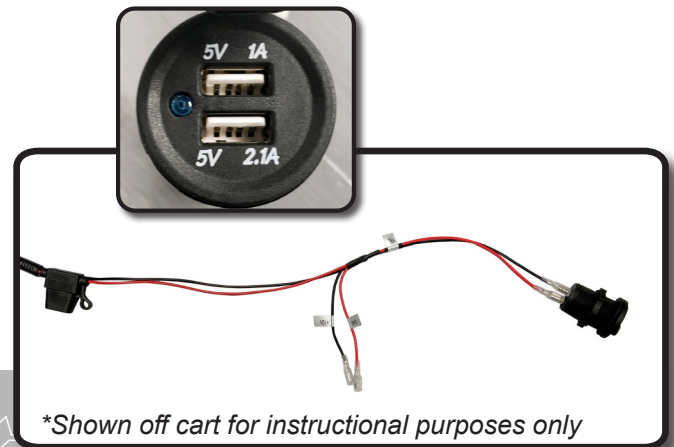
Using a 1-1/8" paddle bit, find a desired location on your golf cart dash area to mount your USB charger. Ensure your location is free of obstacles and will not affect dash reattachment.

Note: You can use the ring nut as a template for cut out.



STEP 13

Using the supplied ring nut, mount the charger to your cart. Plug the red and black 12 volt accessory connection from the light kit harness to the spade terminals on the back of the charger, red to (+) and black to (-).



STEP 14

Brake Switch Install

Remove the 2 bolts under the brake cable at the rear of the pedal assembly. Align the brake switch bracket over the 2 bolt holes, replace and tighten the 2 bolts. Install the switch in the bracket with the spring toward the front of the cart.

Remove the pin that attaches the brake cable clevis to the pedal. Replace the pin with the longer pin provided in the brake switch kit. Use the provided clip to hold the pin in place. Hook the spring over the pin making sure the spring is seated in the groove of the pin.

(Remove white washers as needed) Adjust the brake switch so that the spring has no slack but the switch is not engaged.

Plug the 2 bullet connectors on the switch into the corresponding bullet connectors on the light kit harness.



STEP 15

Turn Signal Install

Mount indicator assembly using clamps provided and tighten. Run indicator harness down steering column and insert harness under dash. A small hole will need to be cut out under dash to allow harness into dash cavity.

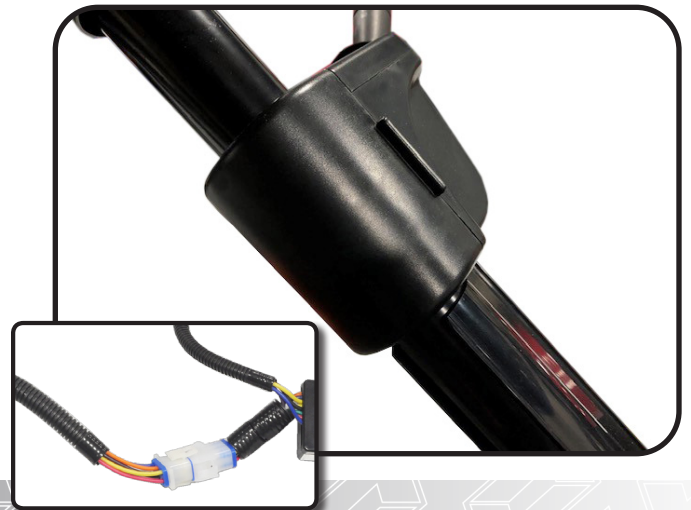


STEP 16

Attach turn signal back cover to turn signal assembly.

Attach column cover to steering column, secure harness in column cover void.

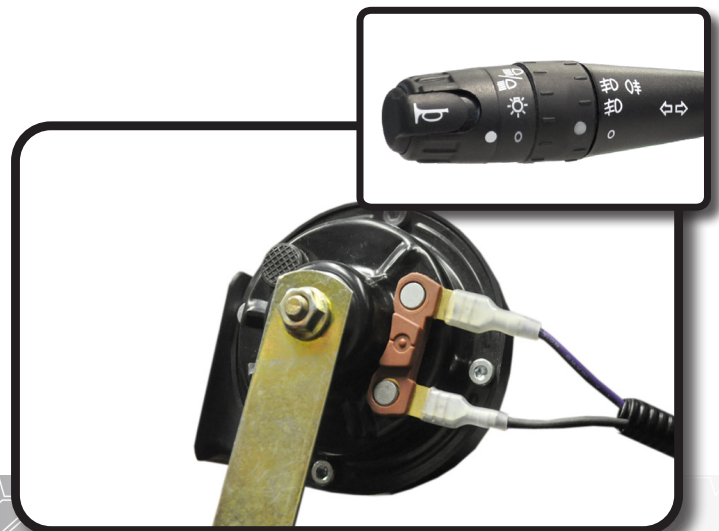
Plug in the Turn Signal harness to the Control Box harness as shown in the dash cavity.



STEP 17

Attach horn to purple and black female spade connectors from front of harness and secure horn to metal framework under front cowl with a self tapping screw.

Note: Horn is operated at the Turn Assembly.



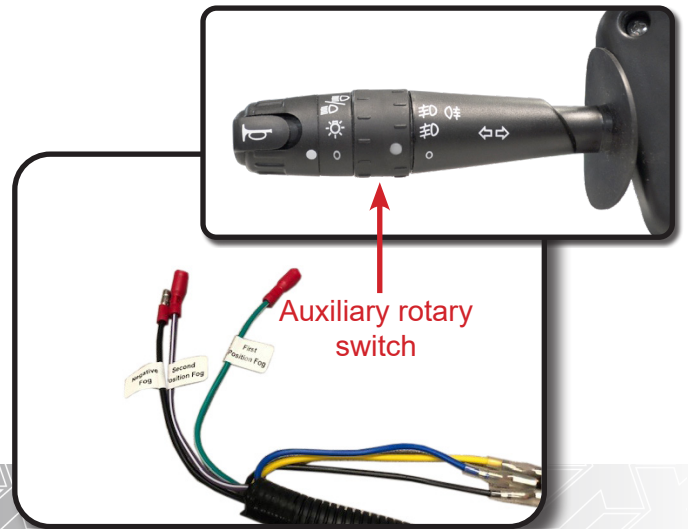
STEP 18

Auxiliary Switch Feature

The turn signal handle has a secondary, 2-position rotary switch for auxiliary 12 volt lighting such as fog lights and/or LED light bars.

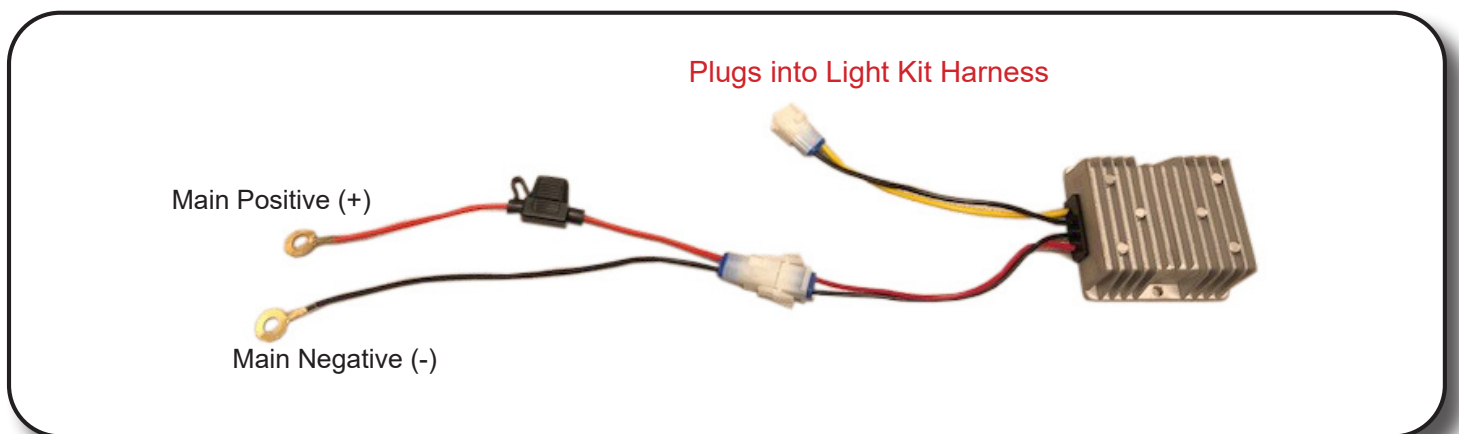
There is one common negative wire and two positive wire connections to run two different auxiliary lights. Additional wiring and lighting not included.

Reinstall cup holder using retained hardware from Step 12.



STEP 19

Converter Install



The voltage converter included must be used on all carts electric and gas. Connect the red wire with the fuse to the Main positive terminal of the battery pack. Connect the black wire to the Main negative terminal of the battery pack and tighten hardware.

Mount the converter to a flat surface under the seat. (Metal area is preferred). Plug the connector with the yellow and black wire into the light kit harness (you will notice a small arc when connecting). Reconnect battery and place run/tow switch to run.

***Use converter on gas carts to prevent Starter Generator voltage spikes that could cause damage to accessories.**

INSTALLATION COMPLETE

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