



02-049

ULTIMATE PLUS LIGHT KIT
WILL FIT YAMAHA® DRIVE®

INSTALLATION INSTRUCTIONS

INCLUDED:

- Front and Rear lights
- Wiring harness
- Rocker switch
- Turn Signal
- Brake Switch
- Horn
- USB port
- Converter
- Column Cover

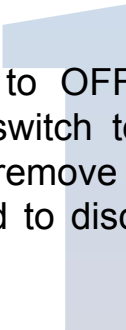
TOOLS NEEDED:

- Phillips Head Screw Driver
- Cutting Tool
- Sandpaper
- Power Drill



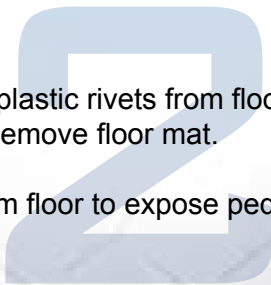
Madjax recommends professional installation. If you choose to not have this product installed by a professional, we highly recommend that you exercise caution, care, and patience when installing this product as it involves drilling holes into your cart's body. Make sure the run/tow switch is in tow or disconnect the battery if it does not have one.

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.



Remove all plastic rivets from floor mat. Retain hardware. Remove floor mat.

Lift plate from floor to expose pedal assembly.



From the battery compartment, route wiring harness through pedal assembly area to areas for headlights and tail lights. Route wiring harness through dash to mount hazard rocker switch and USB port. When routing the harness to the rear of the vehicle, tuck the harness into the routing well that runs into the battery compartment and use opening in the front of the battery compartment. Loosely secure with wire ties until all lights have been installed.

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

Red plugs should be aligned to passenger side, white plugs for driver's side.



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

Align headlight template to the body contour as shown. Be sure to use alignment references for proper placement. Use a marking pen to trace the inside line.

Next drill a pilot hole so you will have a starting point and then begin cutting. Be sure to drill and make cuts to the inside of the line.

***Use sandpaper to smooth edge.**

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



***For carts with factory lights:**
Remove factory headlight from the cowl.

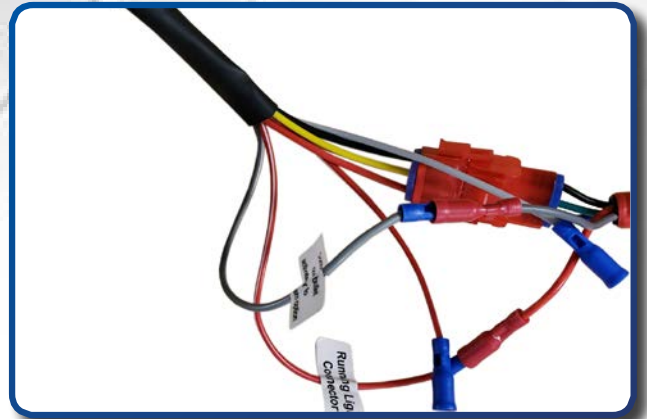
Disconnect factory headlight wiring.



At the headlight, unplug the connectors in the Grey and Red/White wires.

Plug the Grey and Red/White wires from the harness into the corresponding connectors on the headlight.

Plug in 3 pin connector for lights.



Mount headlight through the cutout using supplied fasteners.

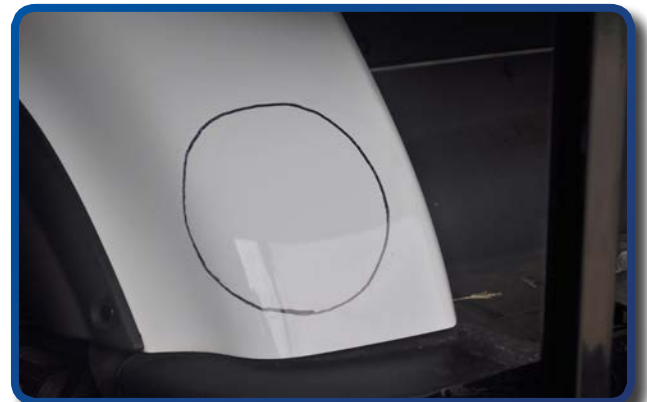
***For carts without a pre-cut hole:**

Align Tail Light template to the body contour as shown. Be sure to use alignment references for proper placement. Use a marking pen to trace the inside line.

Next drill a pilot hole so you will have a starting point and then begin cutting. Be sure to drill and make cuts to the inside of the line.

*Use sandpaper to smooth edge.

*Flip template over and repeat process on other side.



***For carts with factory lights:**

Remove factory tail light hardware. Retain hardware.

Disconnect factory tail light wiring harness from tail light.

11
Feed the tail light harness through the back of the cart. Attach rear tail light wire harness as shown. Secure wire with ties.



12
Install new tail light using supplied hardware.
*Repeat process on opposite side

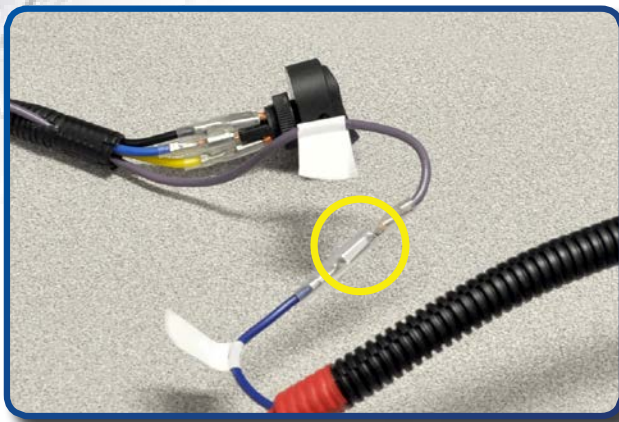
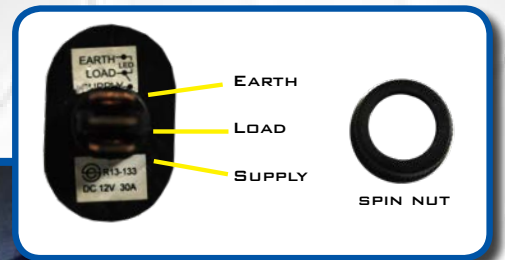
13
Secure the wiring harness to vehicle's main wiring harness in pedal assembly area using the supplied zip ties as shown.

IMPORTANT: Secure the wiring harness to frame members in the front of the vehicle in order to prevent the harness from making contact, rubbing, or being pinched by moving parts, such as the suspension.



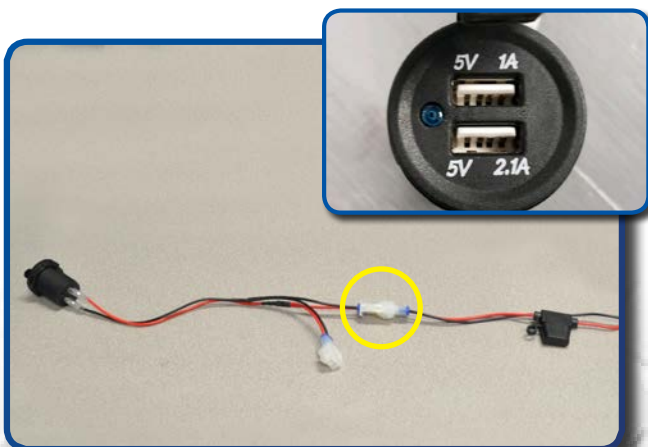
14
Tie the wiring harness to the main harness at the back of the battery compartment as shown.

Using a 15/32" drill bit, find a desired location on your golf cart dashboard to mount your rocker switch for hazard lights. Ensure your location is free of obstacles and will not affect dash reattachment.



For high/low beam functionality, connect the purple wire from the turn signal to the blue wire in the harness.

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



Using the supplied hardware mount the charger in the dash.

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 positive and black to negative).

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 and 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. Loop hook on spring over the pin making sure the spring is seated in the groove of the pin.

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.



20
Mount indicator assembly using clamps provided and tighten. Run indicator harness along steering column and insert harness through dash.

21
Attach turn signal back cover to turn signal assembly.

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

Plug in the 12 pin connector.

Reinstall dashboard using retained hardware.

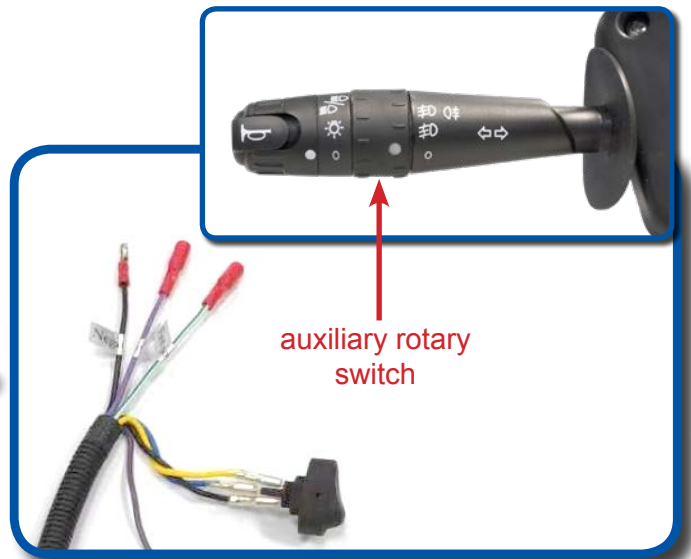




Attach horn to purple and black female spade connectors and secure horn to metal frame under front cowl using supplied hardware.

22

The turn signal handle has a secondary, 2-position rotary switch for auxiliary 12 volt lighting. There is one common negative wire and two positive wires to run two different sets of auxillary lighting. Additional wiring and lighting not included.

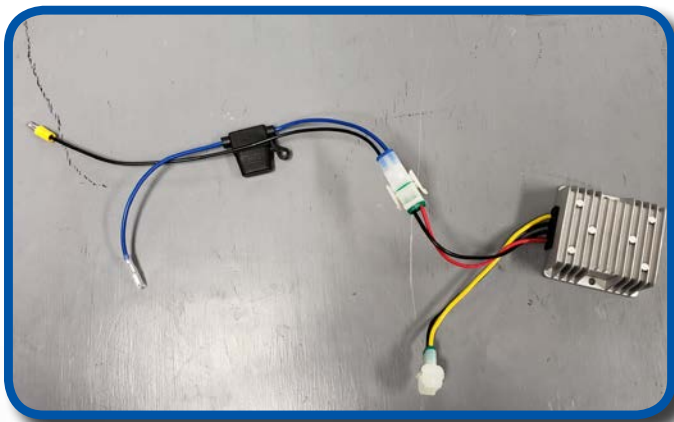


auxiliary rotary switch

The voltage converter included must be used on 36 volt & 48 volt electric carts. Connect the red wire with the fuse to the positive terminal of the battery pack. Connect the black wire to the negative terminal of the battery pack.

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. Reconnect battery and place run/tow switch in run.

*Converter not needed for gas carts. For gas carts, connect the red wire to the positive terminal, and the black wire to the negative terminal.



INSTALLATION COMPLETE

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