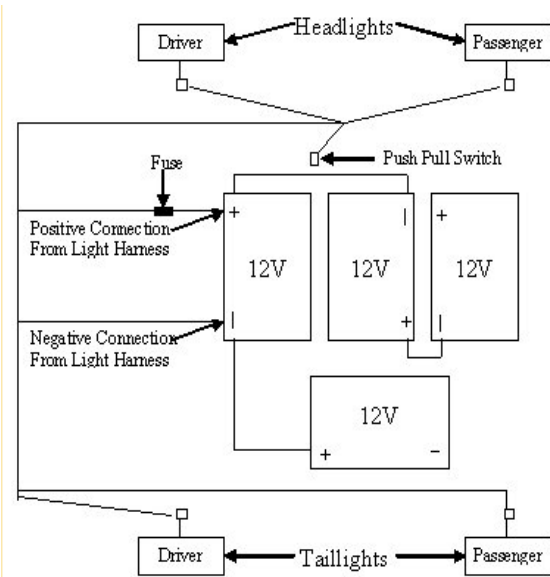


8. Connect the light switch leads to the light switch and the two head light leads to the headlights.
9. Make sure the harness and all wires are free from obstruction and sharp edges and are secure.
10. Run the remaining wire looms toward the rear of the car, following the frame. Connect the short loom to the driver side taillight and the long loom follows the rear frame cross tube and connects to the passenger side.
11. Make sure the wires and push/pull switch are not touching the frame or any metal parts on the car.



E-Z-Go RXV 48 Volt System with 12 Volt Batteries

12. Connect the positive wire of the loom to the positive terminal of the battery or power supply.
13. Pull the push/pull switch to the "on" position
14. Briefly touch the negative wire to the negative terminal. Light sparks are normal, but a bright, arcing flash indicates a short in the system. If the lights illuminate correctly, push the push/pull switch to the "off" position and connect the wire to the terminal.
15. Inspect the wiring installation to make sure nothing is pinched or rubbing and that no portion of the harness is below the frame.

Secure harness as needed with zip ties.

16. Lower the car from the jack stands.

Head Light Adjustment

1. Position the golf car on a level surface approx 8' in front of a wall.
2. Turn on the headlights and observe where the center of each beam shines on the wall. A basic starting position is 28" up from the floor.
3. To adjust, simply turn the screw on the face of the bezel. Clockwise to raise the beam and counter-clockwise to lower the beam being sure not to completely remove the screw.

This completes the installation of your LGT-309L light kit. Please enjoy safely.



LGT-309L

LED Light Kit

E-Z-GO RXV

Installation Instructions



Contents of LGT-309L, E-Z-Go RXV Light Kit:

- | | | |
|---|--------|--|
| a | (1 ea) | Driver/Passenger LED Headlight assembly |
| b | (1 ea) | Driver/Passenger LED Taillight assembly |
| c | (1) | Wiring harness w/ switch (not shown) |
| d | (16) | 1/8" x 3/4" Stainless Steel Screws (not shown) |
| e | (10) | Zip ties (not shown) |
| f | (1) | Installation Manual with templates |

Caution: Before starting this project, remove the system positive & negative connections from the battery or battery pack. Please read through the instructions carefully.

Headlight/Taillight Cut-outs

1. Cut out the headlight from the template. Place the template on the **driver** side front cowl facing up and out. Carefully position the template and tape into place, using caution with freshly painted surfaces. Mark the cut out area and remove the template.
2. Apply masking tape along the outer edges of the lines. This provides protection for the cowl surface.
3. Carefully drill a hole on the inside corners of the lines using a drill bit large enough for the saw blade. Do not drill outside of the lines.
4. Using a jig or roto saw, insert the blade into one of the holes and carefully cut along the marked line until the piece of cowl is removed. Remove the tape. Use a file or 80 grit sandpaper to smooth the edges.
5. Flip the template over and repeat steps 1-4 on the passenger side.
6. Cut out the taillight from the template. Place the template on the **driver** side rear body facing up. Carefully position the template and tape into place. Mark the cut out area and remove the template.
7. Repeat steps 2-4 for the taillight.
8. Repeat steps 6 & 7 for the passenger side taillight.

Headlight/Taillight Installation

1. Insert the driver and passenger headlight assemblies into their respective holes and check for overall fit. File or sand the cut out if necessary. Align both bezel assemblies and tape into place. Take some reference measurements and step back to visually ensure proper alignment.
2. Once the headlights are properly aligned, fasten the headlights to the cowl. On the driver side, use the bezel as a template to drill a 1/32" hole in the cowl on the upper inside corner. Insert, but do not tighten, the included 1/8"x3/4" screw. Repeat this on the lower outside corner. Now drill the two remaining holes and insert two more screws. Hand-tighten, using caution not to over-tighten the four screws
3. Repeat step 2 for the passenger side.

Push/Pull Switch Cut-out

1. Measure 2 inches from the left side of the instrument panel. Mark a line with a pencil. Measure 1 1/2 inches down from the top of the instrument panel. Mark a line (see diagram 1) Use a center punch to mark the spot where the lines intersect then drill a 3/8" hole for the switch. Use a file to remove any sharp edges.
2. Remove the top two Torx screws from the lower drivers side rocker panel do not remove the rocker. Remove the Torx screw on the upper drivers side rocker panel and carefully remove the panel.
3. Remove the dash trim on the Driver side of the cart by gently pulling the dash trim towards the steering wheel. Remove the knob, retaining nut and washer from the switch and connect it to the harness. With the driver side dash trim loose reach behind the instrument and insert the shaft of the switch into the hole previously drilled and secure using the washer and nut and reattach the knob.
4. After completing step 7 in the Wire Harness Installation portion of the instructions, reassemble the dash trim and upper and lower rocker panels.

CAUTION: Be sure not to drill into the carts main wire harness

Note: This light kit is designed to be used with 12V-DC Power Only! On gas cars, you can connect to the positive and negative terminals of the 12V battery. On 48 volt electric cars with four 12 volt batteries you can connect to the positive and negative terminals of one 12 volt battery. For cars with 8 volt batteries or to connect to the entire 48V system, you must use a voltage reducer Part Number VOLT-0002 or VOLT-0003. Connecting to any voltage greater than 12 volts DC will destroy your light kit and void any and all warranty.

Wire Harness Installation

1. Make sure the positive and negative connections from the battery or battery pack have been removed.
2. Raise the front of the car and set it securely on safety jack stands. Make sure the car's safety brake lock is "ON" and the rear wheels are blocked.
3. Remove the push/pull switch from the wiring harness.
4. Starting in the battery engine compartment on the driver side, position the wiring harness with the two taillight wires going toward the rear of the car.
5. Route the front portion of the light kit wire harness towards the front of the vehicle following the center frame up to the splash guard.
6. Carefully run the harness up through the harness access hole in the splash guard (see diagram 2 letter A). Place each headlight lead into the harness fastening clips on the front splash guard (see diagram 2 letter B). Route the key switch lead through the access hole in the rear of the instrument panel (see diagram 2 letter C).
7. Thread the wires for the push/pull switch along the cart wire harness leading to the key switch and fasten securely.