



# RHOX

Rugged parts for your ride.

## LGT-362LC E-Z-Go RXV 2016+ SS Complete Light Kit, LED Bulbs Installation Instructions



**Caution:** Please read through the instructions carefully. Before starting this project, remove the system's positive and negative connections from the battery or battery pack. This kit is designed for a 12V operation only. Operating this kit at a higher voltage will void any and all warranties. Look behind each drill location BEFORE YOU DRILL. Installer is responsible for damage (i.e. drilling into a wiring harness, battery, fuel tank etc.).

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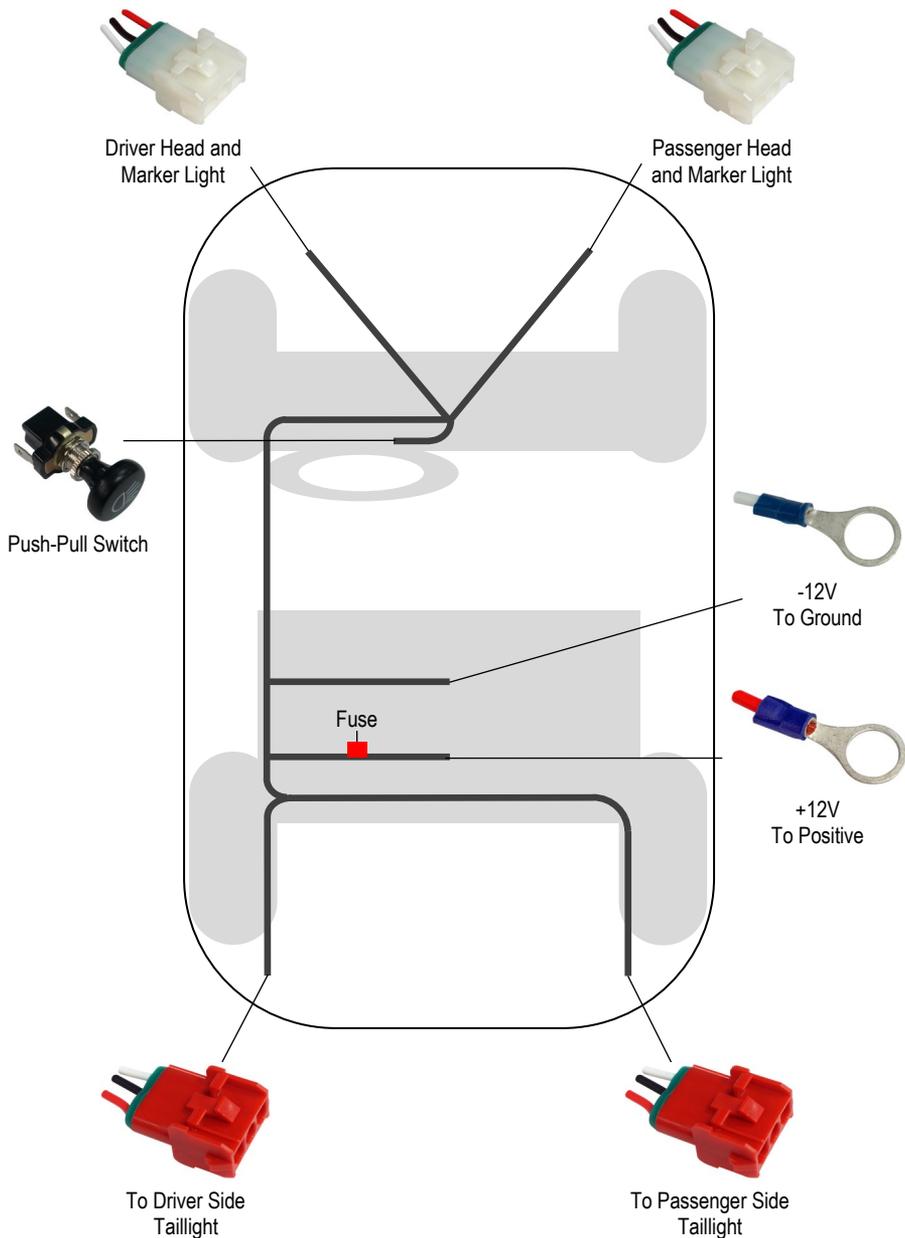
## Tools Needed for Installation

- Screwdriver (Phillips)
- Sockets & Open Ended Wrenches (1/2")
- Torx Bit (T-30)
- Drill, Drill Bits & Hole Saws (1/2")
- Wire Cutters
- Jig Saw or Rotary Tool
- Sandpaper or File

## Before You Start

1. Turn Key OFF.
2. Place Tow/Run Switch in Tow if equipped.
3. Remove the system's positive and negative connections from the battery or battery pack.
4. Engage the parking brake.

# Wire Harness Overview



**Need brake lights, turn signal switch or a horn?  
Add LGT-699 harness for complete plug and play accessory compatibility.**

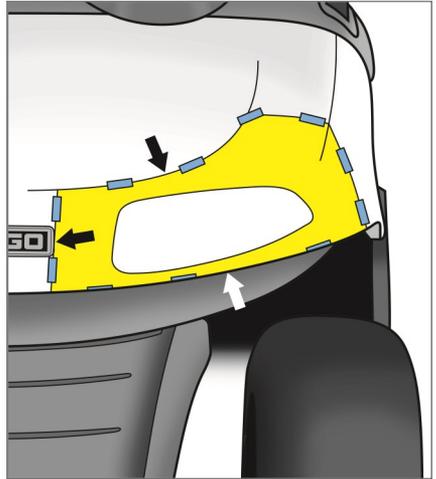
## Headlight & Taillight Preparation

### Headlight Preparation

1. Cut out the headlight template following the guidelines.
2. Place the template on the driver side front cowl and align it with the cowl mold lines and emblem. Secure with painter's tape.
3. Trace the inside contour of the template using a marking device.

**NOTE:** To prevent chipped paint on a painted cowl, tape over the drawn line. Redraw over the tape using the template.

4. Using a jig saw or rotary tool, cut out the INSIDE of the marked area. Test fit the headlight and make any adjustments before removing the tape. Once the light fits, remove the tape and sand any rough edges.
5. Flip the template over and repeat Steps 2-4 for the passenger's side.

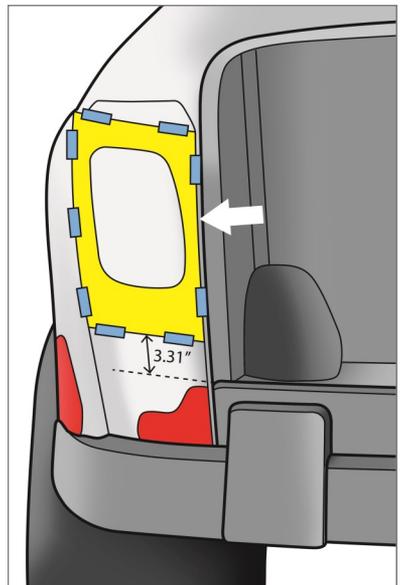


### Taillight Preparation

1. Cut out the included taillight template following the guidelines.
2. Use painter's tape to tape the template to the driver side rear body of the cart. Align the template with the body lines and edge of bagwell as indicated on the template.
3. Use a marking device to trace the inside contour of the template onto the body.

**NOTE:** To prevent the paint from chipping, lay painter's tape down first and trace over the tape.

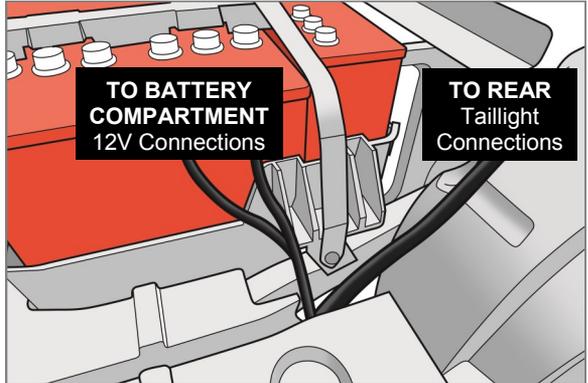
4. Use a jigsaw or rotary tool to cut out the INSIDE of the marked area. Test fit the taillight. If needed, make any modifications and retest. Once it is fitted properly, remove the tape and sand any rough edges.
5. Flip the template over and complete Steps 2-4 for the passenger taillight.



## Wire Harness Installation

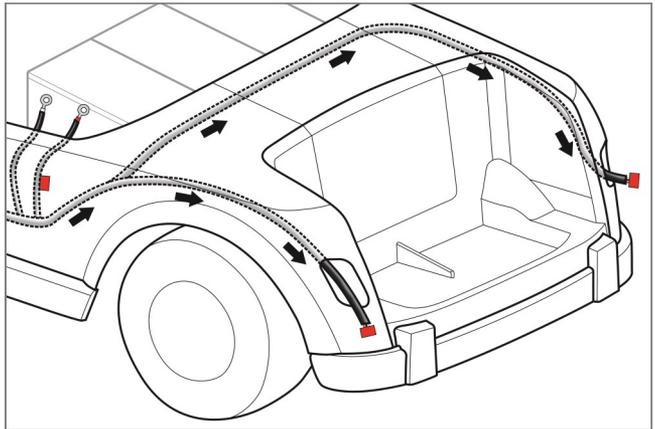
1. Completely remove the front seat bottom assembly.
2. Lay the harness parallel to the driver side of the cart to help with orientation of the harness before installation.

3. From underneath the driver side of the cart, gently run the rear portion of the harness (taillight & battery connections) through the opening in the side of the battery compartment.



4. Set the battery leads to the side. They will be connected after installation of the harness and lights.

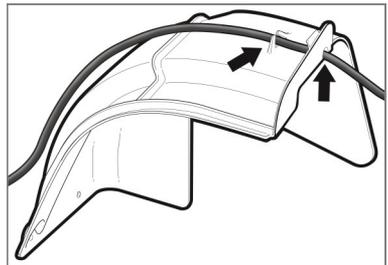
5. Feed the rear portion of the harness through the cart so the taillight connections reach the holes in the rear body. The shorter cable will rest on top of the driver side fender. Route the longer cable behind the battery compartment and over the passenger side rear fender.



6. Make sure the taillight leads reach the holes in the body.

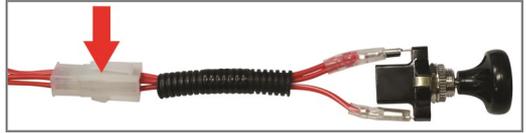
Once the leads are in position, lock them into place on top of the fender with the wire keepers and route them through the notch.

Fasten the lead at the taillight to the frame with cable ties.

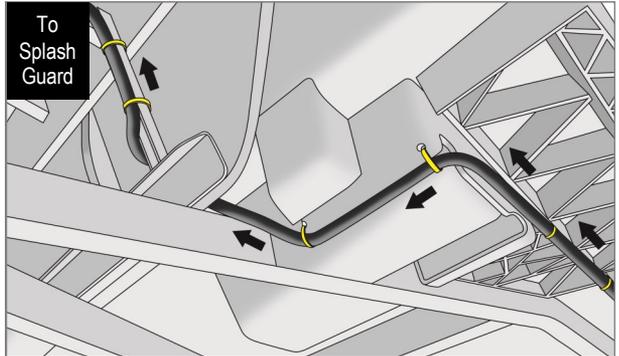


- Secure the passenger taillight cable to the rail of the frame with cable ties using the pre-drilled holes in the frame. The harness should run below or behind the cross frame so it is not pinched by the seat or body.

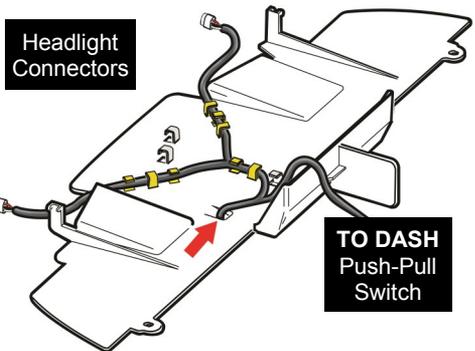
- Disconnect the push-pull switch at the 4-pin connector.



- Route the front portion of the harness under the driver side of the cart, towards the dash compartment. Loosely secure with cable ties.



- Locate the rectangular hole in the bottom of the splash guard (red arrow). Use a utility knife to enlarge the hole enough to fit the harness.



- Keeping the harness on the inside of the steering column, route the harness through the hole in the splash guard, one connector at a time.

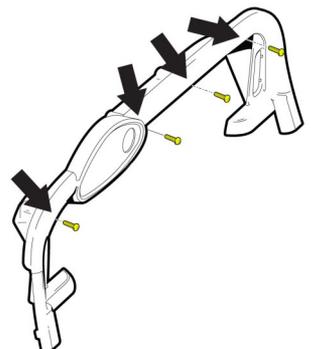
- Make sure the headlight leads reach the holes in the front cowl. Make sure the push-pull switch connector reaches the area behind the dash.

- Remove the (4) Torx screws that hold in the front dash.

**NOTE:** The same Torx screws hold on the front cowl. Use caution not to damage the cowl.

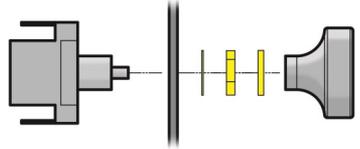
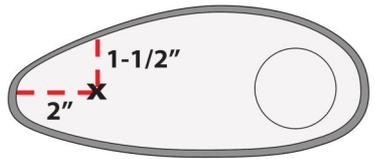
- Reconnect the push-pull switch to the 4-pin connector on the harness.

- Tighten any cable ties left loose in this section.



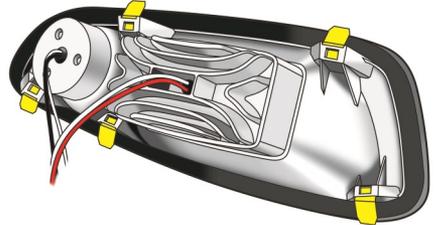
## Push-Pull Switch Installation

1. Measure 2" from the left side of the dash and 1-1/2" down from the top of the dash. Use a marking device to mark the drill location.
2. Drill a 1/2" hole at the marked location. File rough edges.
3. Remove the knob, retaining nuts and lock washer from the push-pull switch and insert the shaft of the switch into the newly drilled hole.
4. Secure using the lock washer and retaining nuts. Reattach the knob.
5. Reinstall the front dash using the Original Hardware.



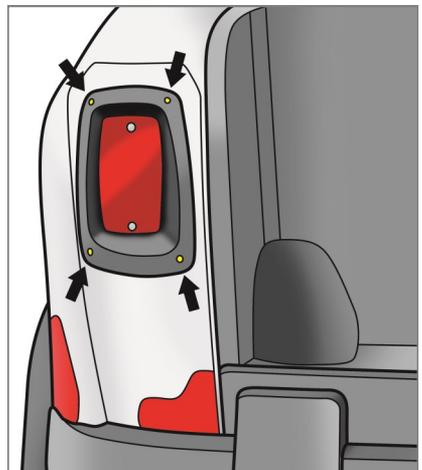
## Headlight Installation

1. Insert the headlights from outside of the front cowl. The tension clips (yellow) will remain behind the cowl, keeping the lights in place.
2. Connect the headlight connectors on the harness to the matching connectors on the headlights.
3. Secure any loose wires with cable ties.



## Taillight Installation

1. Connect the taillights to the taillight leads on the main harness.
2. Insert the taillight assemblies into the holes cut out earlier. Once in place, secure with the (8) Included Screws.
3. Secure the taillight wires to the frame with cable ties so they are safely out of the way of the tires.



## Power Connections

**NOTE:** Complete this section once the lights, wire harness and push-pull switch have been installed.

**CAUTION:** This light kit is designed for 12V DC operation only. Please be advised that operating this light kit at a voltage over 12V DC can damage components and will void any and all warranties.

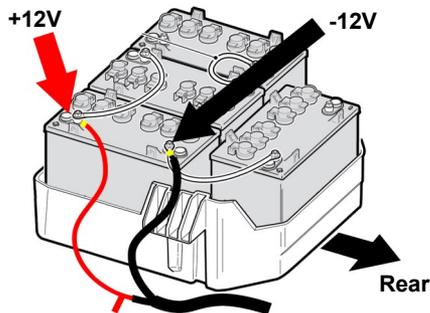
1. Verify the cart is in the TOW position (if equipped) and the key is OFF.
2. Verify any exposed wires and the push-pull switch are not touching the frame or any metal parts on the cart.
3. Connect the positive and negative battery connections from the light kit's harness to the batteries. Tighten the nuts but do not over tighten. Over tightening can destroy the battery posts. A 48V battery pack is shown with 12V batteries.

Gas Carts: Connect the wires to the 12V battery.

48V Electric Carts with 8V Batteries for 12V Output: A voltage reducer is required to reduce the voltage to 12V.

48V Electric Carts with 12V Batteries for 12V Output: A voltage reducer is recommended to reduce the voltage to 12V but (1) 12V battery can also be used as shown.

**Note:** Light sparks can be normal when connecting the batteries, but a bright arching flash indicates there is a short in the system. Always test the batteries with a voltage meter as each configuration may vary.



4. Put the cart in the RUN position (if equipped) and turn the key ON.
5. Turn the lights ON and test them to make sure they function properly.
6. Secure any loose wires with cable ties.

Your RXV Light Kit is now complete.  
Please enjoy safely!

Scan QR code or use the link below to view the installation video.

<https://vimeo.com/user39935056>

