



RHOX

Rugged parts for your ride.

LGT-451L Yamaha Drive2 SS Adjustable 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 12-48V operation only. Operating this kit at a higher voltage will void any and all warranties. Accessories added to this light kit may not be rated for any voltage over 12V DC and can be damaged if installed at a higher voltage. 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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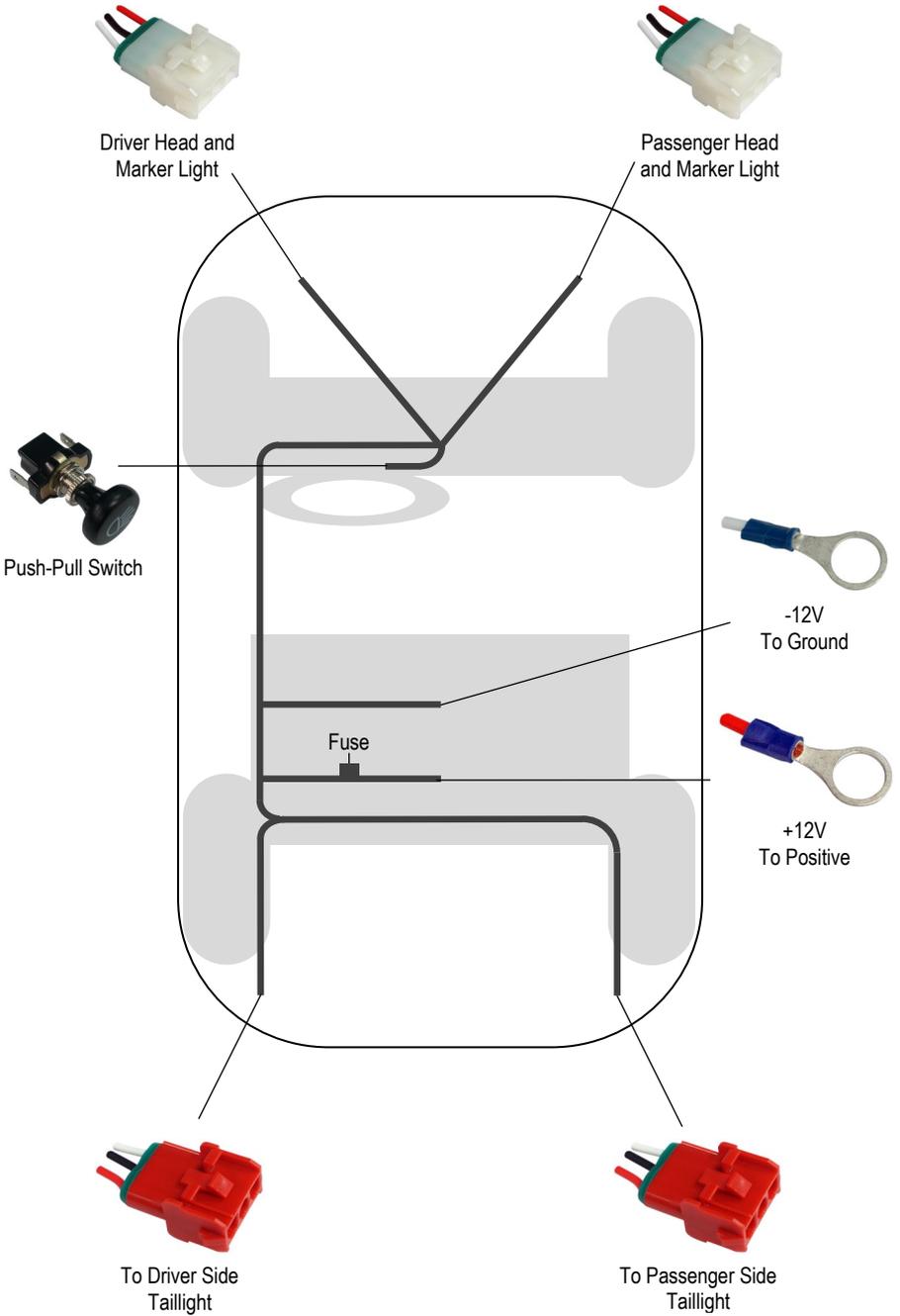
Tools Needed for Installation

- Screwdriver (Phillips)
- Sockets & Open Ended Wrenches (1/2", 9/16")
- Allen Wrench (#3)
- Drill, Drill Bit (7/16")
- Jig Saw or Rotary Tool
- Sandpaper or File
- Painter's Tape or Masking Tape
- Marking Device

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



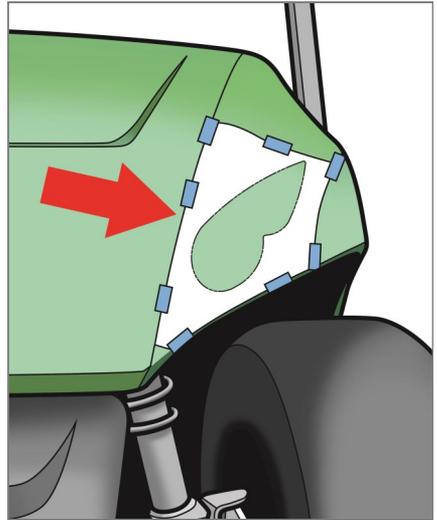
Headlight & Taillight Preparation

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 bottom edge of the cowl. 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 and 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 side.

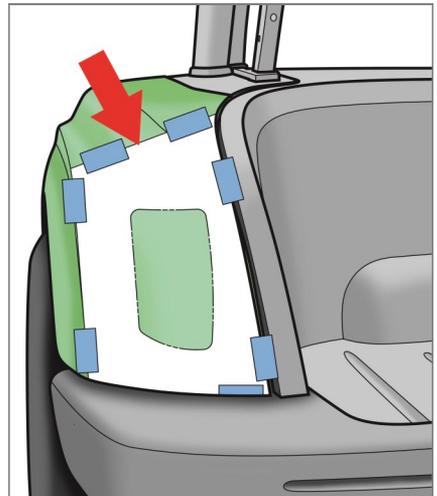


Taillight Preparation

1. Cut out the taillight template following the guidelines.
2. Place the template on the driver side rear body and align it with the body lines and edge of the rear body. Secure the template with painter's tape.
3. Trace the inside contour of the template using a marking device.

NOTE: To prevent chipped paint on a painted body, tape over the drawn line and 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 taillight and make any adjustments before removing the tape. Once the



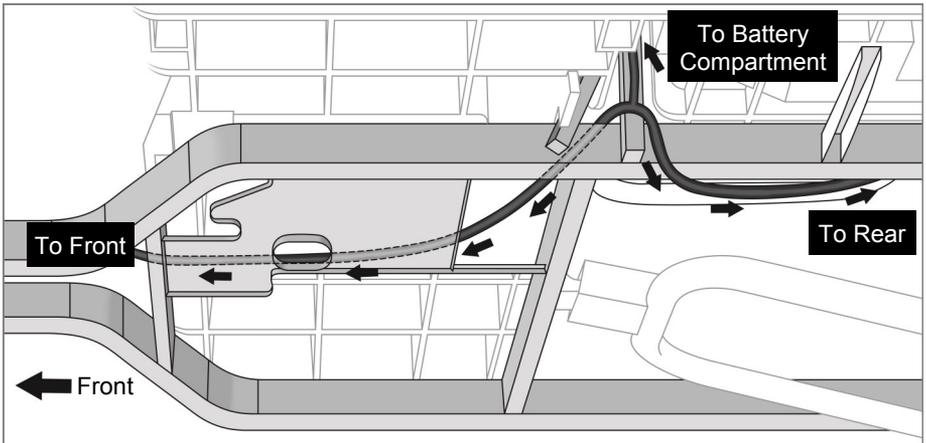
light fits, remove the tape and sand any rough edges.

5. Flip the template over and repeat Steps 2-4 for the passenger side.

Wire Harness Installation

1. Lay the harness parallel to the driver side of the cart to help with orientation of the harness before installation.
2. From underneath the driver side of the cart, gently run the battery connections and fuse into the battery compartment. Make sure the leads can reach the appropriate terminals. Set the leads to the side and away from the terminals.

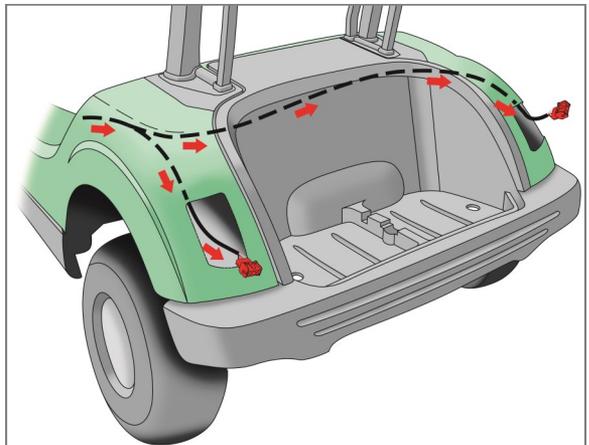
NOTE: Leads will be connected after completing the installation of the harness, lights and/or accessories.



3. Feed the rear portion of the harness through the cart so the taillight connections reach the holes in the rear body. The harness can be run parallel with the cart's harness for a cleaner installation.

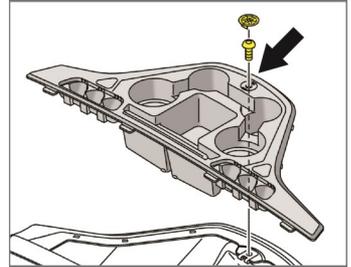
The shorter cable will rest on the top of the driver side wheel well.

Route the longer cable

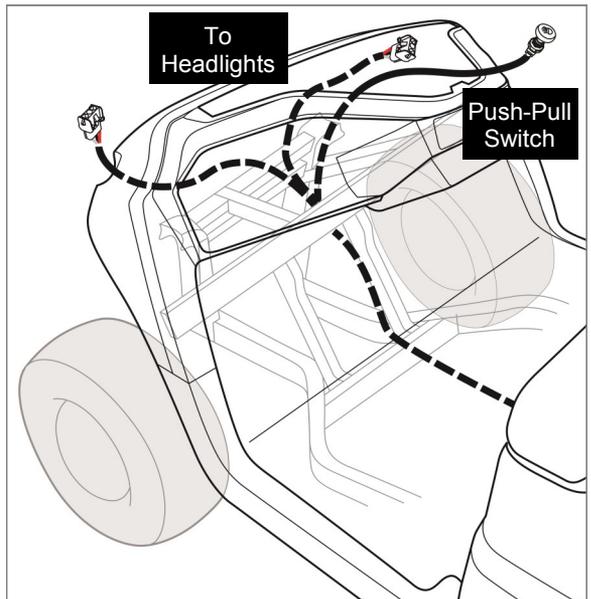


behind the battery compartment and over the passenger side wheel well.

4. Make sure the taillight leads reach the holes in the rear body. Once the leads are in position, use cable ties to secure the harness in place and away from any moving parts or areas where it can be pinched.
5. Carefully remove the dash insert (cup holder area) from the dash. Retain hardware.
6. Run the front portion of the harness over the cross member in the frame and towards the front of the cart.

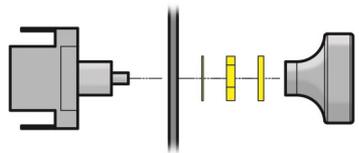


7. Once the harness is through the opening, run the driver and passenger headlight connectors up and over the front suspension and towards the openings in the front cowl.
8. Route the push-pull switch into the cup holder area.
9. Once the harness is in place, use cable ties to secure the harness to the underside of the cart and away from any moving parts or pinch points.



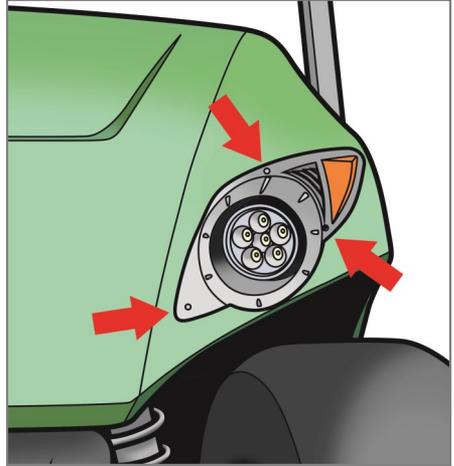
Push-Pull Switch Installation

1. Mark a convenient location on the dash to mount the push-pull switch. Carefully drill a 7/16" hole at the marked location. File any rough edges.
2. 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.
3. Secure using the lock washer and retaining nuts. Reattach knob.



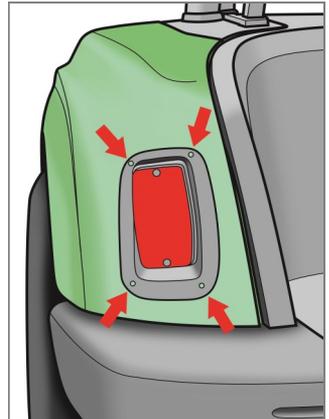
Headlight Installation

1. Connect the driver side headlight to the driver side headlight connector.
2. Install the headlight using the Mounting Screws.
3. Repeat for the passenger headlight.



Taillight Installation

1. Connect the driver side taillight to the driver side taillight lead that was pulled through the hole in the rear body.
2. Install the taillight using the Mounting Screws.
3. Repeat for the passenger taillight.



Power Connections

NOTE: Complete this section once all lights been installed.

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

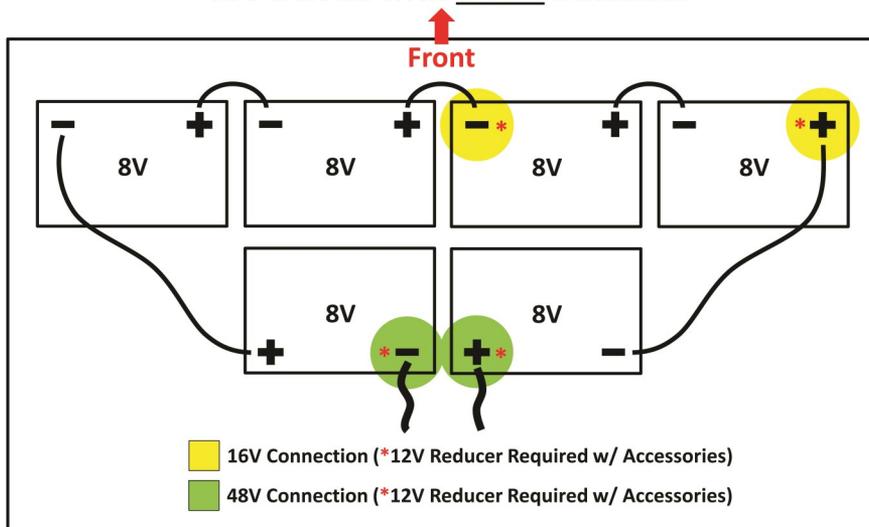
harness to the batteries. Tighten the nuts but do not over tighten. Over tightening can destroy the battery posts.

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

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

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

48V Drive2 with 8 Volt Batteries



- Put the cart in the RUN position and turn the key ON. Turn the lights ON and test the lights and accessories to make sure they function properly.
- Secure any loose wires with cable ties.

Your Yamaha Drive2 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>

