



RHOX

Rugged parts for your ride.

LGT-357L

Yamaha Drive

Super Saver Adjustable Factory Style

LED Light Kit

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.).

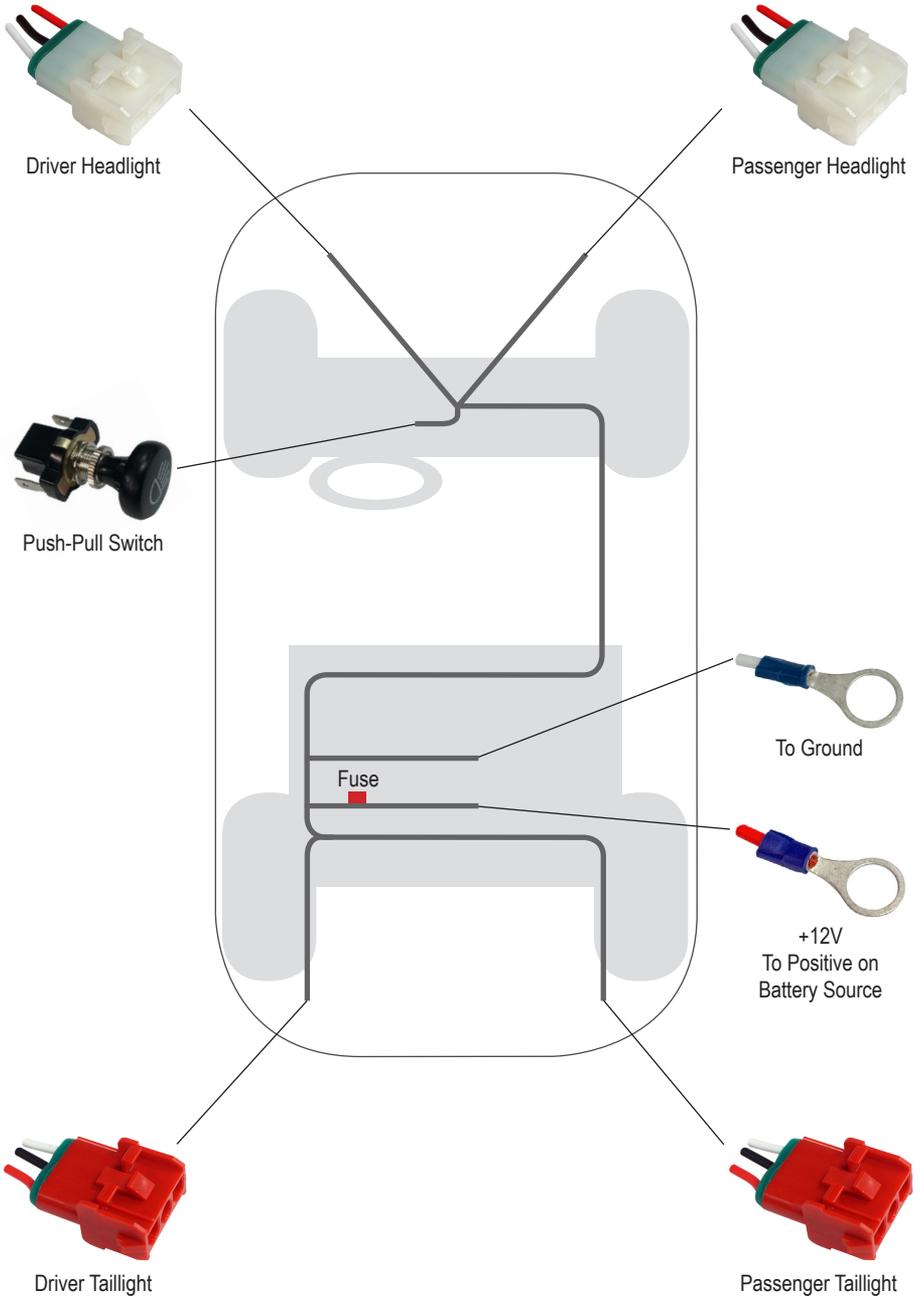
Table of Contents

| | |
|----------------------------------------------------|---|
| Wire Harness Overview | 3 |
| Before You Start | 4 |
| Headlight & Taillight Preparation | 4 |
| Wire Harness Installation | 5 |
| Headlight Installation | 7 |
| Taillight Installation | 7 |
| Power Connections | 8 |

Tools Needed for Installation

- Screwdriver (Phillips & Flat Head)
- Sockets & Open Ended Wrenches (7/16")
- Drill, Drill Bits & Hole Saws (3/16", 7/32", 1/4", 5/8", 7/16", 1", 1-1/8)
- Allen Key (3mm)
- Pliers
- Rivet Removal Tool
- Jig Saw or Rotary Tool
- Sandpaper or File
- Painter's Tape or Masking Tape
- Marking Device
- Utility Knife

Wire Harness Overview



**Need brake lights, turn signal switch or horn?
Add LGT-693 harness for complete plug and play accessory compatibility.**

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/battery pack.
4. Engage the parking brake.

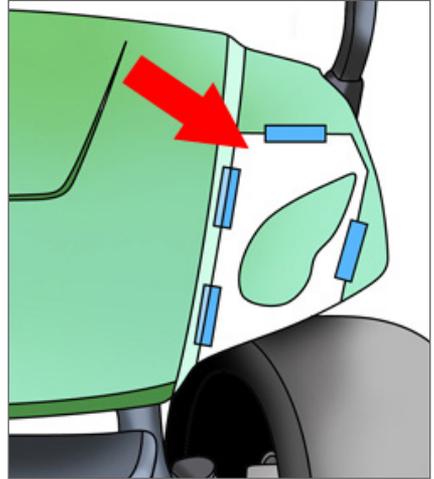
Headlight & Taillight Preparation

Headlight Preparation

1. Cut 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 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 it fits, remove tape and sand any rough edges.
5. Flip the template over and repeat Steps 2-4 for the passenger side.

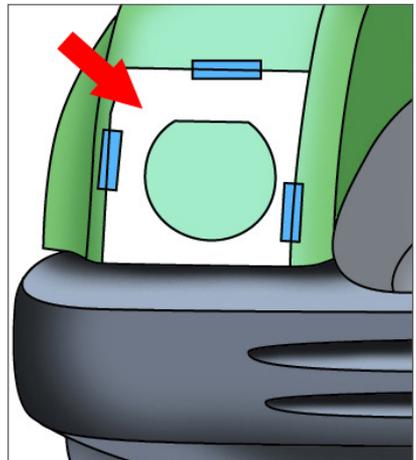


Taillight Preparation

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 bottom edge of rear body. Secure the template with painter's tape.
3. Trace 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

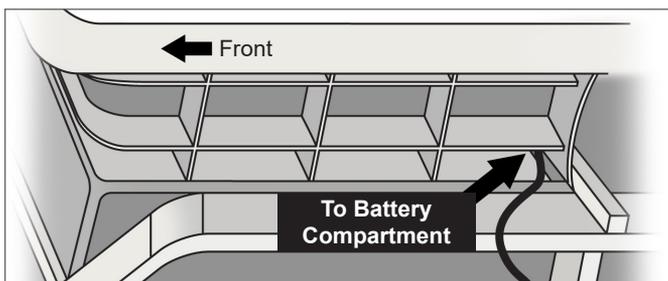


INSIDE of the marked area. Test fit the taillight and make any adjustments before removing the tape. Once the light fits, remove tape and sand any rough edges.

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

Wire Harness Installation

1. Remove the front seat bottom assembly.
2. Lay the harness parallel to the driver side of the cart to help with the 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 battery compartment.



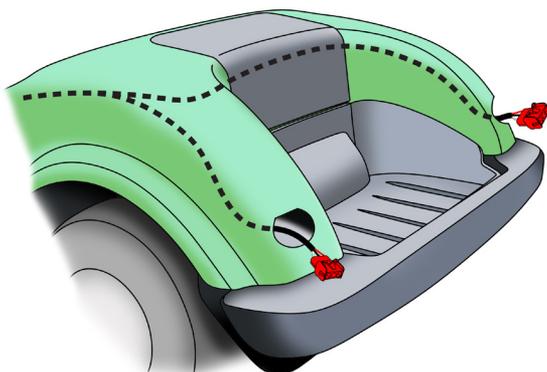
4. Make sure the battery leads can reach the appropriate terminals. Set the leads aside and away from the terminals.

NOTE: Leads will be connected after completing the installation of the harness and lights.

5. Feed the rear portion of the harness through the cart so the taillight connectors reach the holes in the rear body.

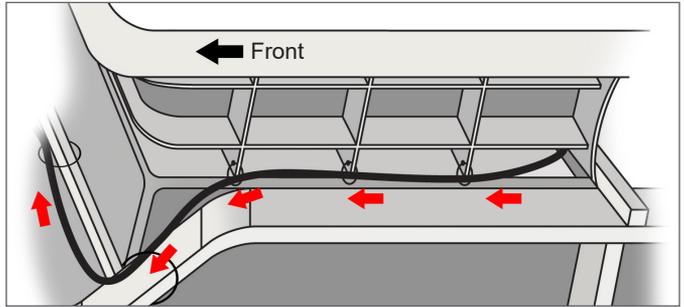
The shorter cable will rest on the top of the driver side wheel well.

Route the longer cable behind the battery compartment and over the passenger side wheel well.

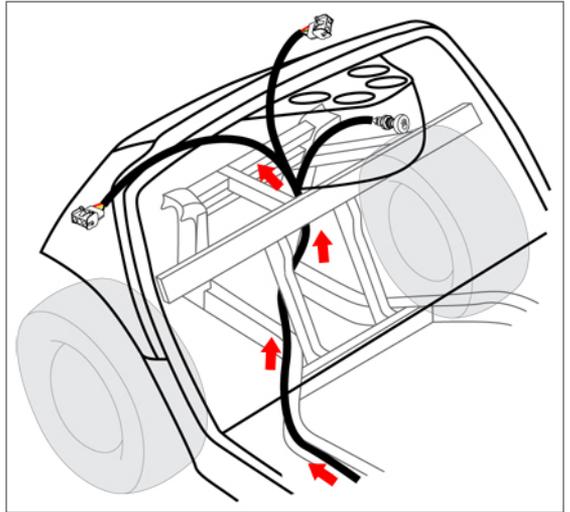


6. Make sure the taillight leads reach the holes in the rear body. Once the leads are in position, use cable ties to loosely secure the harness in place and away from any moving parts or areas where it can be pinched. Holes can be drilled in the rear fenders if needed for wire ties.

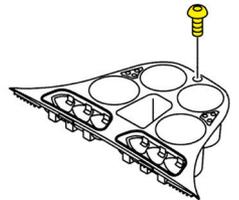
- Run the front portion of the harness on the driver side underbody towards the front of the cart as shown. Use wire ties to loosely secure the harness in place. Holes can be drilled in the underbody's ribs for wire ties if needed.



- Run the harness through the frame and behind the suspension.
- Run the headlight wires towards the holes cut in the front cowl.
- Run the push-pull switch towards the cup holder area behind the dash.



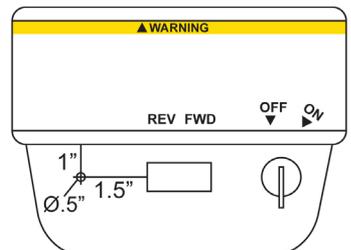
- Remove the cup holder insert by removing the button head socket cap screw with an Allen wrench. Gently pry upward until the insert is released.
- Once the harness is in place, use cable ties to secure the harness to the underside of the cart and away from any moving parts or pinch points.



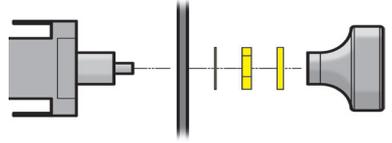
Push-Pull Switch Installation

NOTE: If installing a key switch with ON/OFF light capability, do NOT install the push-pull switch.

- Mark the center of the mounting location for the push-pull switch below the cup holders. Follow the dimensions to the right as a guide.

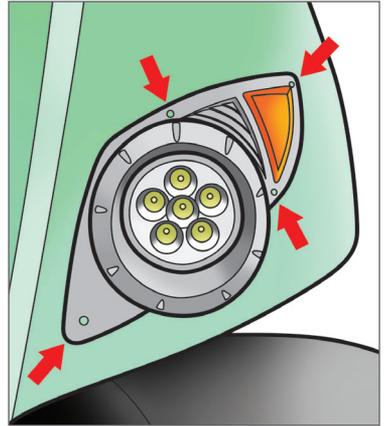


- Carefully drill a 7/16" hole at the marked location. Do NOT drill into the cart's main harness. File any rough edges.
- Remove the knob, retaining nuts and lock washer from the push-pull switch and insert the shaft of the switch into the newly drilled hole.
- Secure using the lock washer and retaining nuts. Reattach knob.
- Reinstall the cup holder.



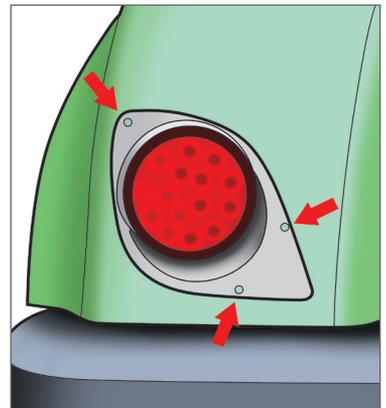
Headlight Installation

- Connect the driver side headlight to the driver side headlight 3-pin connector.
- Install the headlight using the Included Mounting Screws.
- Repeat for the passenger headlight.



Taillight Installation

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



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

Gas Carts: Connect the wires to a 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: Connect the light kit to (1) 12V battery OR connect the light kit to a voltage reducer to reduce the voltage to 12V.

NOTE: Light sparks can be normal when connecting 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 and turn the key ON.
5. Turn the lights ON and test the lights to make sure they function properly.
6. Secure any loose wires with cable ties.

**RUGGED
STARTS
HERE**

Your Yamaha Drive 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>

