

Brake Switches

LGT-138 Brake Light Pad Switch

1. Verify cart is in the TOW position (electric) and the key is OFF.
2. Center the LGT-138, brake light pad switch, on the lower portion of the brake pedal assembly and align it so it is straight.
3. If mounting the switch using the Included Screws, fasten the pad directly to the pedal.

If mounting the switch using the Included Rivets, mark the hole locations and drill (6) 3/16" holes through the pedal. Mount the pad with the rivets.

4. Run the brake pad wire around the back of the brake pedal from the passenger side to the driver side of the cart. Make sure it is secured so it will not be pinched.
5. Connect the brake pad to the deluxe wire harness. Secure any loose wires out of the way of the pedal group with a cable tie to the existing group of wires.

NOTE: Black ground wire is not used with this switch.

Your Yamaha Drive Light Kit is now complete.
Please enjoy your Drive safely!



LGT-307 and LGT-307L LED Factory Style Light Kit Yamaha Drive 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.).

Before You Start

1. If the vehicle is ON, turn the key to the OFF position.
2. Place the TOW/RUN switch in the TOW position.
3. Remove the system's positive and negative connections from the battery or battery pack.
4. Engage the parking brake (gas carts only).

Headlight and Taillight Preparation

1. Cut out the taillight template following the guidelines.
2. Starting with the driver side, place the template on the driver side rear body. Use the guidelines on the template for correct placement. Use painter's tape to tape the template in place.

3. Use a permanent marker or other marking device and trace the inside contour of the template.

If the body is painted, lay painter's tape over the drawn line and re-draw over the tape using the template. This helps to prevent the paint from chipping.

4. Using a rotary tool or jigsaw, cut out the INSIDE of the marked area. Test fit the taillight before removing the tape. Remove any excess material if needed and retest. Remove the tape and sand any rough edges.
5. Flip the template over and complete Steps 2-4 for the passenger side.
6. Repeat Steps 1-5 for the headlights on the front cowl.

12 Volt Receptacle and Dual USB Outlet

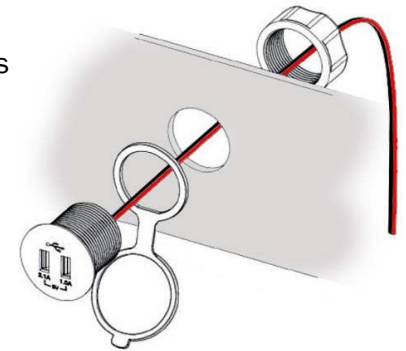
1. Find a convenient location to mount the outlet.
2. Mark the center of the mounting location with a marking device.

12 Volt Outlet

1. Using a 1" hole saw, drill a hole at the marked location.
2. Insert the 12V receptacle into the hole and mount it with the Included Hardware to the cup holder.
3. Connect the 12V positive lead to the inside/center terminal of the 12V outlet and the 12V negative lead to the outside terminal.

Dual USB Outlet

1. Using a 1-1/2" hole saw (maximum size), drill a hole at the marked location.
2. Insert the dual USB outlet and wires through the protective cap into the cup holder. Secure it with the threaded retaining ring.
3. The red and black wires will connect to the connections used for the 12V outlet. If needed, cut the wires to the desired length.
4. Use (2) butt connectors (not included) to connect the USB wires to the 12V outlet wires. The red wire will connect to the positive 12V wire and the black to the negative wire.

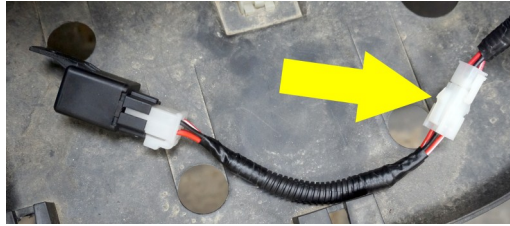


NOTE: A fuse holder (ACC-0019) and 15A fuse (ACC-0021) are recommended if direct connecting the USB Ports to a 12V battery, voltage reducer or the accessory connections on the harness.

- Remove the push-pull switch at the 4-pin connector and replace it with the LGT-590 relay harness.



- Secure the relays and any loose wires out of the way of the cup holders with cable ties.



- Measure from the bottom of the turn signal to the dash. Using a utility knife, saw or tin snips, cut the LGT-107A, universal turn signal switch wire cover, to the measured length & sand rough edges.

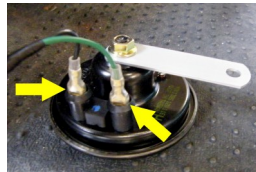


- Snap the cover around the wires of the turn signal switch and the steering column.



Horn Kit

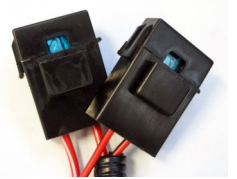
- Connect the spade connectors on the horn harness to the back of the horn, You can connect the leads to either terminal.
- Mount the horn under the front end of the vehicle in a location that does not interfere with the steering or front tires using the Included hardware. This may require drilling a 1/4" hole in a safe location on the golf cart frame.
- Connect the triangular plug on the horn harness to the triangular plug on the deluxe harness.



Wire Harness Installation

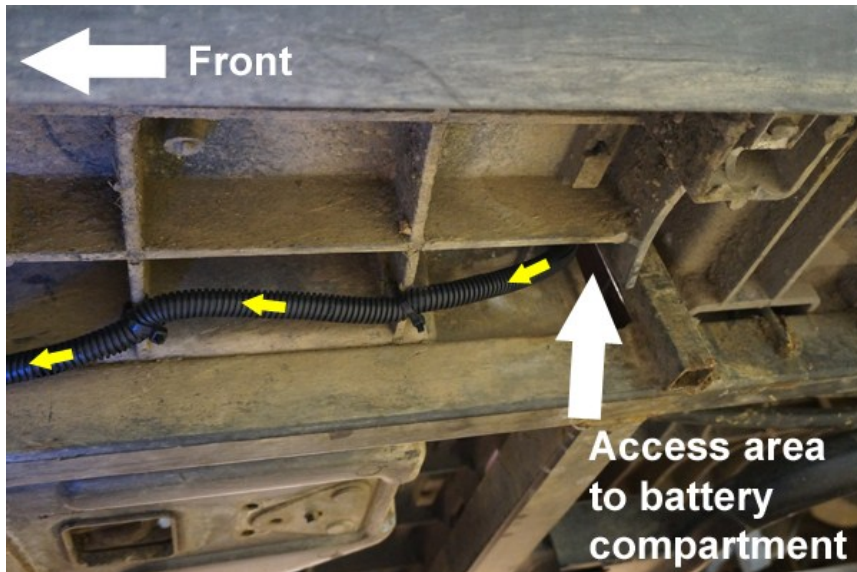
NOTE: Raising the front of the cart and safely securing it on hack stands may make this installation easier. Make sure the parking brake is engaged and the rear wheels are chocked.

- Remove the front seat bottom.
- Lay the harness parallel to the driver side of the cart to help with orientation of the harness before installation.
- Disconnect the fuse holders from each other.
- From underneath the cart, gently run the rear portion of the harness (taillight & battery connections) through the opening in the driver's side battery compartment.



- Make sure the battery connection leads are able to reach the battery pack. Set the leads to the side. They will be connected after completing the installation of the harness, lights and/or accessories.

6. 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 wheel well. Route the longer cable behind the battery compartment & over the passenger side wheel well.
7. Make sure the taillight leads reach the holes in the body. Once the leads are in position, use cable ties to secure the harness in place and away from any moving parts and the seat bottom. Holes can be drilled in the rear fenders if needed for wire ties.
8. Run the front portion of the harness on the driver side underbody towards the front of the cart as shown.
9. Use wire ties to secure the harness in place. Holes can be drilled in the underbody's ribs for wire ties if needed.



10. If not installing the brake switch, secure the brake lead with rest of harness.

on the battery.

On a gas cart, connect the wires to the battery. Tighten the nuts but do not over tighten. Over tightening can destroy the battery posts. See figure on Page 12.

On a 48V system with 8V batteries, a voltage reducer is required to reduce the voltage to 12V.

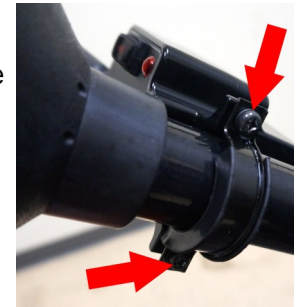
Note: Light sparks can be normal when connecting the batteries, but a bright arching flash indicates there is a short in the system. The diagram to the right shows the batteries in a factory configuration.

4. Put the cart in the RUN position and turn the key ON.
5. Turn the lights ON and test the lights and accessories to make sure they function properly.

Turn Signal LGT-132A

NOTE: If installing a steering column cover, do so before installing the turn signal.

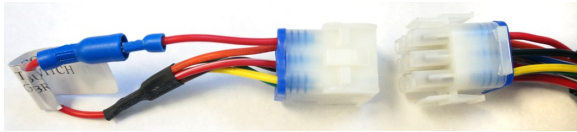
1. Mount the turn signal assembly in a convenient location on the steering column using the included collar and choose one of the included rubber inserts that best fits the diameter of the steering column.
2. Run the turn signal wires down the steering column and into the cup holder area.



NOTE: If the relay is already installed on the turn signal, it may be helpful to remove the relay before routing the wires under the dash.

3. Connect the 9-pin connector on the turn signal switch to the 9-pin connector on the harness.
4. Connect the included flasher relay to the turn signal switch wiring harness.

15. If installing a turn signal, disconnect the jumper from the 9-pin connector and discard.



Headlights

NOTE: If installing other accessories, do so before installing the headlights.

1. Connect the driver side headlight to the driver side headlight lead.
2. Insert the headlight into the mounting hole. Align and secure the headlight to the front cowl with the included screws.
3. Repeat Steps 1-2 for the passenger side headlight.
4. Secure any loose wires away from moving parts with wire ties.

Taillights

1. Connect the driver side taillight to the driver side taillight lead.
2. Insert the taillight into the mounting hole. Align and secure the taillight to the rear body with the included screws.
3. Repeat Steps 1-2 for the passenger side taillight.

Power Connections

NOTE: Complete this section once all lights and optional accessories have been installed.

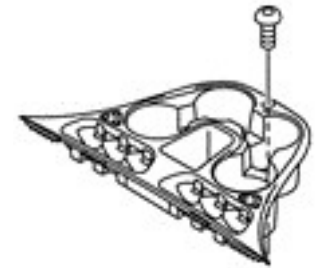
1. Verify the cart is in the TOW position and the key is OFF.
2. Verify any exposed wires and the push-pull switch are not touching the frame or any metal parts on the cart.
3. On a 48V system, select (1) 12V battery and connect the positive and negative wires of the harness to the positive and negative posts

11. Run the harness over the metal frame, behind the suspension and towards the cup holder area.



12. If not installing the horn, secure the horn lead with the rest of the harness.

13. Remove the cup holder insert by removing the button head socket cap screw with an allen wrench.



14. Run the driver and passenger headlight leads to their respective holes (yellow arrows). The rest of the leads can go in the cup holder area (blue arrow).

