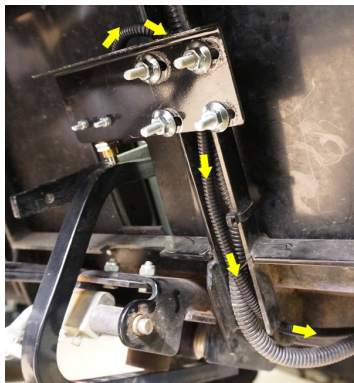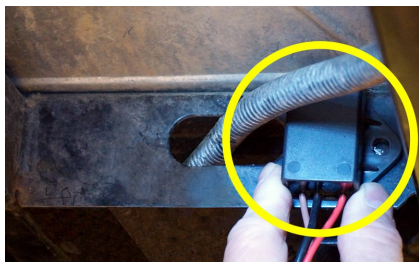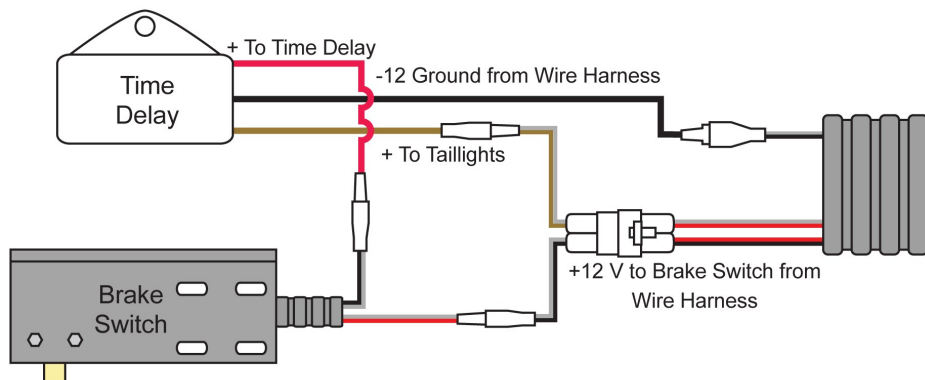4. Slide the brake switch wire and the brake lead from the deluxe harness behind the bracket and down the channel with the existing harness.

5. Install the LGT-142, time delay, near the first opening in the frame. Mark the hole location and drill an 1/8" pilot hole. Drill a 1/4" hole through the pilot hole. Mount the time delay with the Included Hardware.

6. Connect the brake switch to the time delay and deluxe harness as shown in the diagram below.

Time Delay

+ To Time Delay

-12 Ground from Wire Harness

+ To Taillights

+12 V to Brake Switch from Wire Harness

Brake Switch

7. Secure all loose wires to the frame with cable ties.

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

Watch this installation and others on YouTube:
www.youtube.com/user/GolfCartInstructions

Light Bar Kits
E-Z-Go TXT
All Models 1996-2013

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

Tools Needed for Installation

- Screwdriver (Phillips & Flat Head)
- Sockets & Open Ended Wrenches (3/8", 10mm, 11mm, 7/16")
- Drill, Drill Bits & Hole Saws (1/8", 3/16", 7/32", 1/4", 5/8", 7/16", 1",
  1-1/2")
- Wire Cutters & Crimpers
- Hammer
- Rivet Gun
- Jig Saw or Rotary Tool
- Vice or Clamp(s)

4. Connect the brake pad to the deluxe wire harness. Use a cable tie to secure the wires to the existing wire harness in the channel. Make sure the wires are clear of any moving parts.

   NOTE: Black ground wire is not used with the LGT-138 brake pad switch.
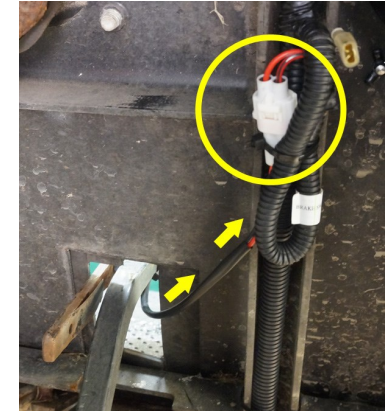
LGT-163 Brake Switch with Time Delay

1. Unlock the brake pedal and chock the wheels.

2. Place the (2) Included U-Bolts behind the channel adjacent to the brake pedal assembly. Slide the threaded ends of the U-bolts through the (4) slots on the brake switch bracket. Tighten the nuts on the U-bolt so they are snug but still adjustable.
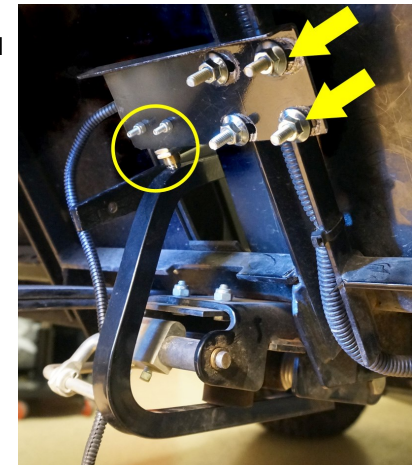
3. Position the bracket so the switch is centered above the pedal assembly. Lower it until the switch is activated (it will click). Tighten the nuts to lock the bracket into position.
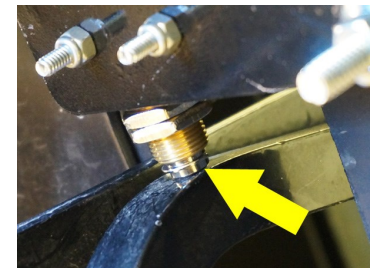
the connections used for the 12V outlet. If needed, cut the wires to the desired length.

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.

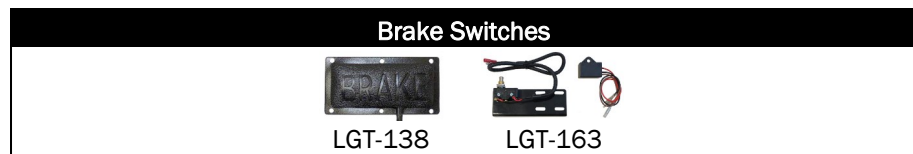   **NOTE**: A fuse holder (ACC-0019) and 15A fuse (ACC-0021) are recommended if direct connecting the USB ports to a 12V battery or voltage reducer.

Brake Switches
LGT-138   LGT-163

All Brake Switches

1. Verify cart is in the TOW position (if equipped) and the key is OFF.

LGT-138 Brake Light Pad Switch

1. Center the LGT-138, brake light pad switch, on the lower portion of the brake pedal assembly.

2. 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.

3. Run the brake pad wire under the brake pedal, under the brake assembly and through the opening in the floor. Secure the brake pad wire to the bottom side of the assembly using cable ties.
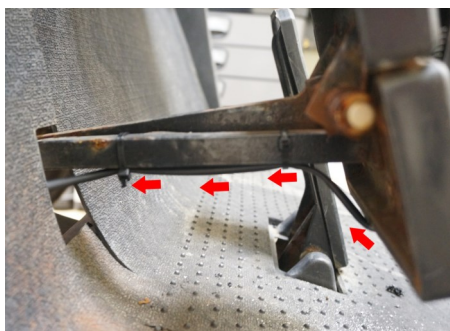
Before You Start

1. If the vehicle is ON, turn the key to the OFF position.
2. If the vehicle is equipped with a TOW/RUN switch, put it in the TOW position.
3. Remove the system's positive and negative connections from the battery or battery pack.
4. Engage the parking brake.

Taillight Preparation
LGT-122/C/L

1. Cut out the included taillight template following the guidelines.

2. Using painter's tape, tape the template to the driver side rear body of the cart. Follow the guidelines to the right for placement of the template.

3. Use a marker or other marking device to trace the inside contour of the template.
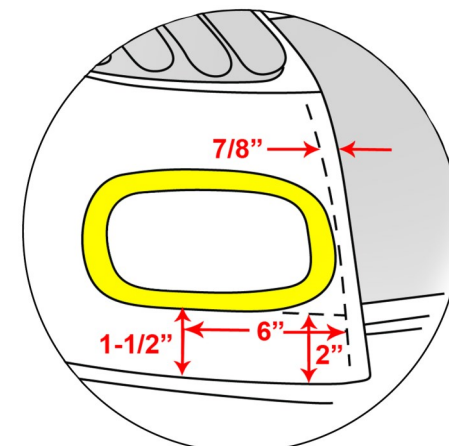
   If the body is painted, lay painter's tape over the drawn line and redraw over the tape using the template. This helps prevent the paint from chipping.

Driver Side Shown

4. Using a jigsaw or rotary tool, 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 side.

Wiring Harness Overview

To Driver Side Head/Marker Light

To Passenger Side Head/Marker Light

Push-Pull Switch

To Horn (Deluxe Only)

-12V

+12V

12V Outlet (Deluxe Only)

Turn Signal (Deluxe Only)

+12V To Positive (Basic Only)

-12V To Ground (Basic Only)

Brake Switch (Deluxe Only)

+12V To Positive (Deluxe Only)

-12V To Ground (Deluxe Only)

To Driver Side Brake Light
*Basic Harness has Red Connector

🟥	**LGT-394 Basic Harness (wire color may vary)**
🟦	**LGT-694 Deluxe Harness**

To Passenger Side Brake Light
*Basic Harness has Red Connector

10. Connect the (2) ring terminals from the horn harness to the back of the horn button. You can connect the leads to either terminal.

### 12 Volt Receptacle and Dual USB Outlet

ACC-0058   ACC-0088

1. Find a convenient location above the cup holders to mount the 12V receptacle and/or USB outlet. If mounting on the warning label, do so without covering up the text, if possible.

2. Mark the center of the mounting location with a marking device.
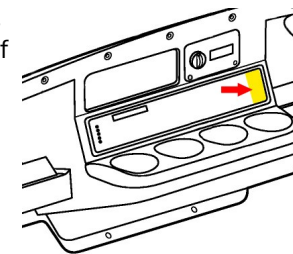
12 Volt Outlet

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.

3. Locate the 12V outlet leads. Connect the 12V positive lead to the inside/center terminal of the 12V outlet and the 12V negative lead to the outside terminal.
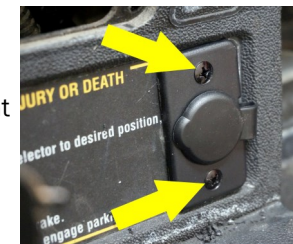
Dual USB Outlet

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 drilled hole. Secure it with the threaded retaining ring.

3. The red and black wires will connect to
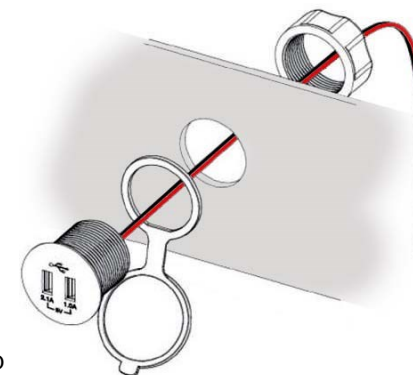
1. Connect the spade connectors on the horn harness to the back of the horn. You can connect the leads to either terminal.
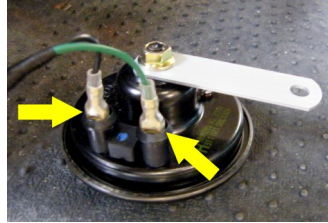

2. Mount the horn under the driver side front end of the vehicle in a location that does not interfere with the steering or front tires using the Included Hardware. Use the pre-drilled hole or drill a 1/4" hole in a safe location on the golf cart frame.

3. Connect the triangular plug on the horn harness to the triangular plug on the deluxe harness.

4. Secure any loose wires with cable ties.

NOTE: If your turn signal does NOT have a horn button, follow steps 5-10 below.

5. Locate the pre-drilled hole for the horn button in the floor of the cart. If the cart has a predrilled hole, it will be behind the driver side floor mat. If not, drill a 5/8" hole through the floor in a safe location. Cut away the floor mat over the hole.
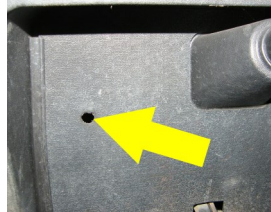
6. Locate the (2) pre-drilled holes for the rivets. If your cart has the mounting holes, they will be next to the horn button hole. Remove the floor mat over the holes with a 7/32" drill bit. If your cart does not have pre-drilled holes, follow Steps 7-8 below.

7. Insert the horn button in the hole from the underside of the cart. Place the horn decal over the horn button. Screw the rubber button cover onto the horn button. Do not tighten.

8. Align the decal so it is straight. Mark the (2) hole locations for the decal onto the floor mat. Remove the horn button, cover and decal. Drill the (2) marked hole locations with a 7/32" bit.

9. Install the horn button and decal using the Included Nut and Rubber Bumper Cover. Align the decal. Secure the decal with the (2) Rivets.
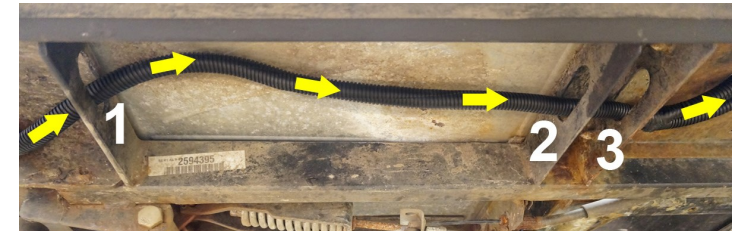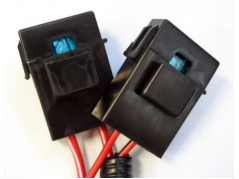

## Wire Harness Installation

LGT-394 Basic Harness   LGT-694 Deluxe Harness

Gas & Electric Carts

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. Disconnect the fuse holders from each other (deluxe only).

4. From underneath the driver side of the cart, gently run the rear portion of the harness (taillight & battery connections) through the (3) openings in the frame, starting at the front and working towards the rear.

5. Route the taillight and battery connections through the access hole that leads to the battery compartment. Set the battery leads to the side. They will be connected after completing the installation of the harness, lights and/or accessories.
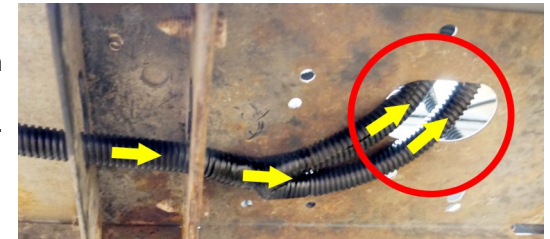
6. Route the taillight leads to the holes that were cut out for the taillights. The shorter lead will go over the driver side inner fender. The longer lead will go behind the bat-

tery pack and over the passenger fender.

7. Route the front portion of the harness through the vertical channel on the driver side. Secure with cable ties.

   NOTE: If you are <u>not</u> installing a brake switch, secure the brake lead to the channel with the rest of the harness (deluxe only).

8. If installing a turn signal, disconnect the jumper from the 9-pin connector and discard (deluxe only).

   If installing a brake switch and no turn signal, switch the (2) 2-pin male connectors on the jumper. Leave the jumper on the harness (deluxe only).

Jumper
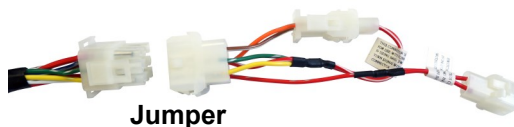
9. Route the push-pull switch, 12V outlet (deluxe only) and turn signal leads (deluxe only) through the top of the front splash guard into the dash area. The headlight leads will remain in front of the splash guard.

Splash Guard
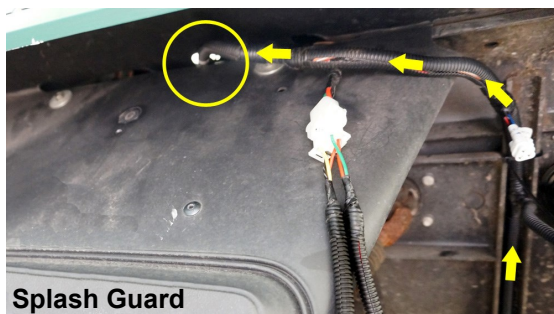
10. Remove the two rivets on the key switch plate and remove the plate to access the dash compartment.

Push-Pull Switch Installation

NOTE: If installing the LGT-132A deluxe turn signal switch or the KEY-51 key switch, do <u>NOT</u> install the push-pull switch.

1. If powering the lights with the <u>push-pull</u> switch, disconnect the key switch. Using a vice or clamp to secure the plate, safely drill a 1/2" hole on the key switch plate. File any rough edges.
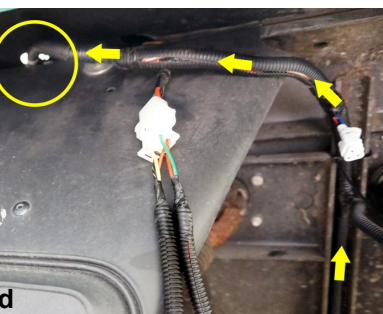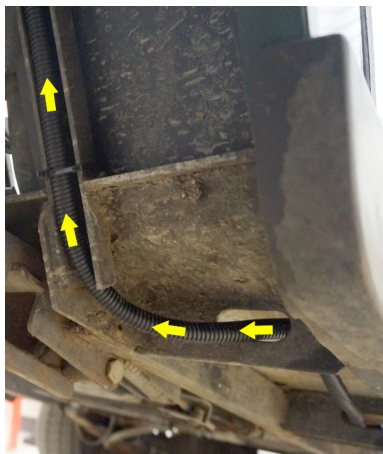
4. Run the turn signal wires down the steering column, through the access hole and into the dash area.

   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.

5. Access the connectors through the key switch plate. Connect the 9-pin connector on the turn signal switch to the 9-pin connector on the harness.

6. Connect the included flasher relay to the turn signal switch wiring harness.

7. If installing the LGT-132A, remove the push-pull switch at the 4-pin connector and replace it with the LGT-590 relay harness.
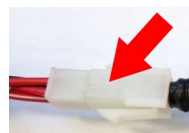
8. Once the connections have been made, secure the excess wires in the dash compartment.

9. Slide the boot back in place and replace the rivet (not included).

10. Measure from the bottom of the turn signal to the boot. 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.

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

12. Reinstall the floor mat.

Horns
* Horn Decal and Floor Mounted Button are not included with the LGT-112 or LGT-132A Turn Signals.

5. Turn the lights ON and test the lights and accessories to make sure they function properly.

   If you are installing a basic light kit, this completes the installation.

Turn Signal Assemblies
LGT-107A   LGT-112   LGT-132A   LGT-143

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 hose clamp for the LGT-112 and the LGT-143. Mount the LGT-132A using the included collar and choose one of the included rubber inserts that best fits the diameter of the steering column.

LGT-112   LGT-132A   LGT-143
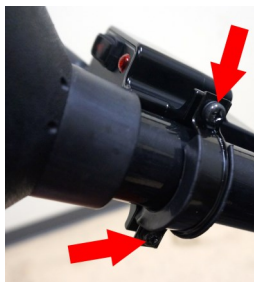
2. Peel back the floor mat to expose the area around the steering column boot. Remove the rivet securing the boot to the floor and slide the boot out of the way.

3. Using a rotary tool, carefully cut an access hole into the dash compartment large enough to fit the turn signal connectors. The third image below is the view from inside the dash compartment with the front body removed.

2. Remove the knob, retaining nuts and washer from the push-pull switch and insert the shaft of the switch into the newly drilled hole.


3. Secure using the retaining nuts and washer. Reattach the knob.

KEY-51 Key Switch Installation

1. Disconnect the original key switch and remove it from the key switch plate. Retain the hardware.

2. Install KEY-51 in the same location where the original key switch was removed using the original hardware.

   NOTE: If installing KEY-24, key switch decal, do so before installing KEY-51.
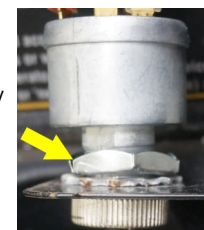

3. Disconnect the push-pull switch at the spade terminals.

4. Connect the two spade connectors from the original key switch to "B" and "I" on the back of KEY-51 (shown in blue). Connect the two spade connectors from the push-pull switch to "B1" and "L" (shown in black).

| Headlight Bar |
| --- |
| LGT-122   LGT-122C   LGT-122L |
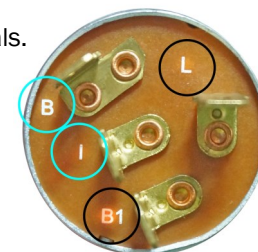
**NOTE:** If installing other accessories, do so before installing the headlight bar.

1. Locate the (2) screws at the top of the splash guard (yellow arrows). Loosen the screws until a couple of threads between the screw head and the washer can be seen. Use a 3/16" drill bit to remove the rivets on the bottom of the splash guard (blue arrows). Front body was removed for photo.
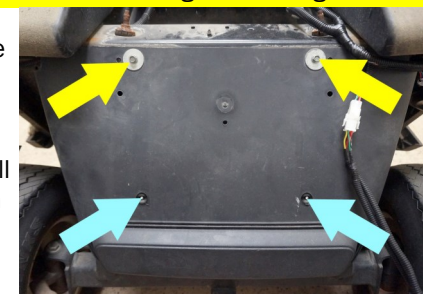
2. Attach the light bar brackets to the back of the light bar using the (4) <u>Included Shorter Bolts</u> and (4) <u>Washers</u>. The smaller holes on the brackets will face the inside of the light as shown.
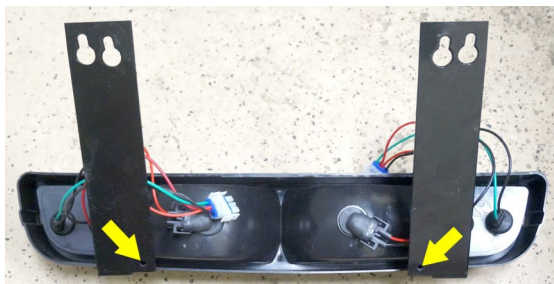
3. Install the light bar to the splash guard by sliding the slots at the top of the brackets over the bolts loosened in Step 1. There are two different slots. Select the one that aligns best.
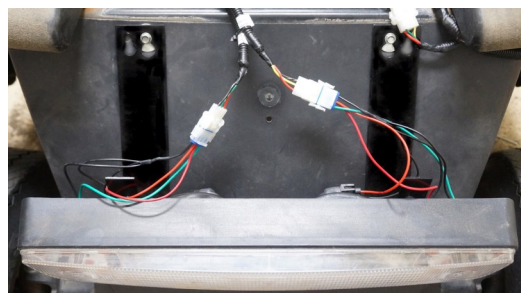
4. The holes at the bottom of the bracket will align with the rivet holes from Step 1. Use the <u>Included Longer Bolts, Nuts and Washers</u> to secure the brackets to the splash guard. Be sure to include the front shield braces behind the splash guard in this connection. Tighten all hardware.

5. Route the light bar leads between the light bar brackets. Connect the (2) leads from the light bar to the (2) leads on the harness.

6. Secure any loose wires with cable ties and push the excess wires into the dash area.

Taillights
LGT-122/C/L

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) <u>Included Screws</u>.

3. Secure the taillight wires to the frame with cable ties so they are safely out of the way of the tires.

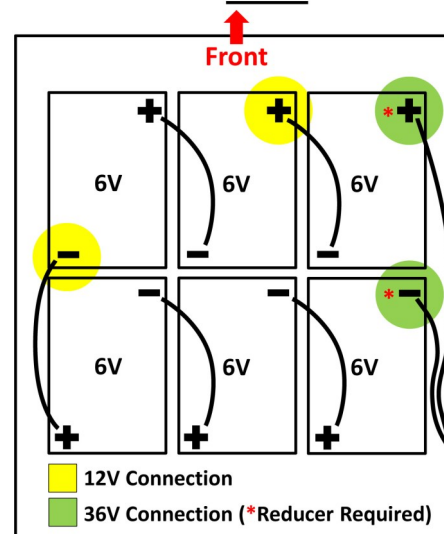| Power Connections			
+ Lead (Basic)	Ground (Basic)	+ Lead (Deluxe)	Ground (Deluxe)
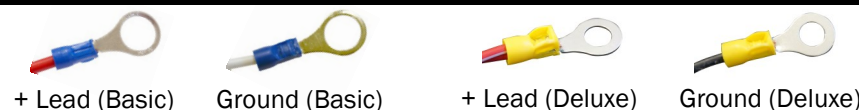
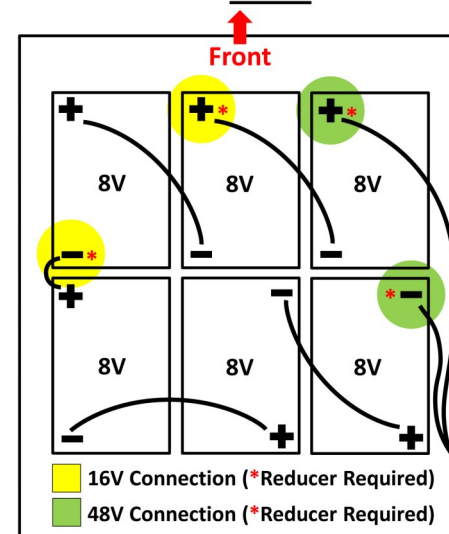**NOTE:** Complete this section once all lights and optional accessories have been installed.

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. On a <u>36V system</u>, select (2) 6V batteries in a series and connect the positive and negative wires of the harness to the positive and negative posts on the battery. On a <u>48V system with 8V batteries</u>, a voltage reducer is required to reduce the voltage to 12V. On a <u>gas cart</u>, connect the wires to the battery. Tighten the nuts but do not over tighten. Over tightening can destroy the battery posts.

Note: Light sparks can be normal when connecting the batteries, but a bright arching flash indicates there is a short in the system. The diagrams below show the batteries in factory configurations.

36V TXT with <u>6 Volt</u> Batteries   48V TXT with <u>8 Volt</u> Batteries

Front   **Front**

36V TXT with 6 Volt Batteries:
6V, 6V, 6V (top row)
6V, 6V, 6V (bottom row)
- 12V Connection (yellow)
- 36V Connection (*Reducer Required) (green)

48V TXT with 8 Volt Batteries:
8V, 8V, 8V (top row)
8V, 8V, 8V (bottom row)
- 16V Connection (*Reducer Required) (yellow)
- 48V Connection (*Reducer Required) (green)

4. Put the cart in the RUN position (if equipped) and turn the key ON.