

LIGHT KIT INSTALLATION INSTRUCTIONS

For DS (48V)

Caution: If you choose to not have this product installed by a professional, we highly recommend that you exercise caution, care, and patience when installing this product as it involves drilling holes into your cart's body.

*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-48V operation only. Look behind each drill location **BEFORE YOU DRILL**.*

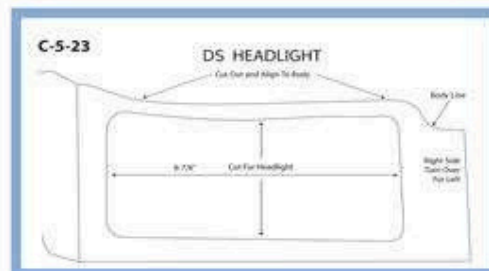
Installer is responsible for damage (i.e. drilling into a wiring harness, battery, fuel tank etc.).



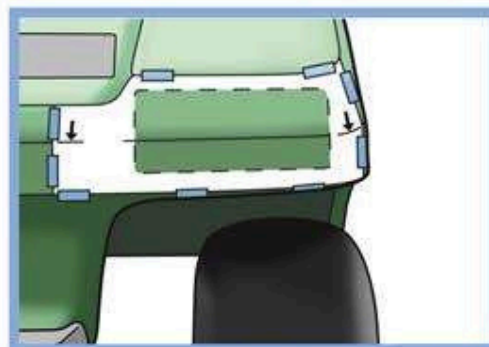
Headlight and Taillight Preparation

Headlight Preparation

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



2. Using painter's tape, tape the template to the driver side front body of the cart. The dotted lines on the template will line up with the body lines of the cart.



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

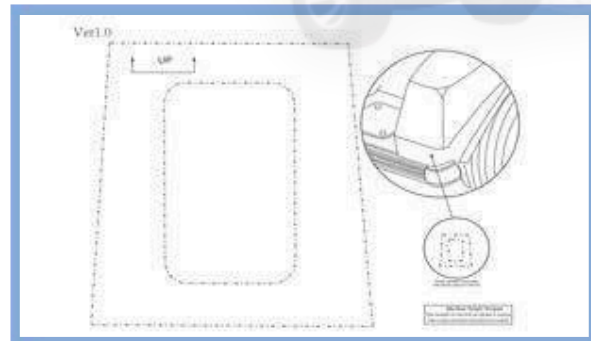
4. Using a jigsaw or rotary tool, cut the inside of the marked area. Test fit the headlight. If needed, make any modifications and retest. Once it is fitted properly, remove the tape and sand any rough edges.



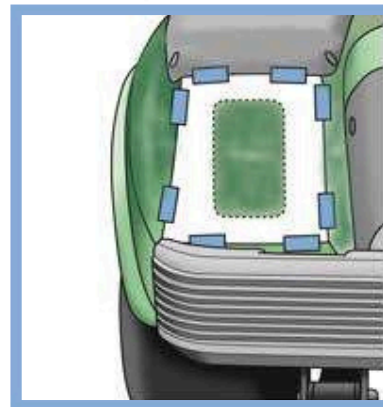
5. Flip the template over and complete Steps 2-4 for the passenger side.

Taillight Preparation

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

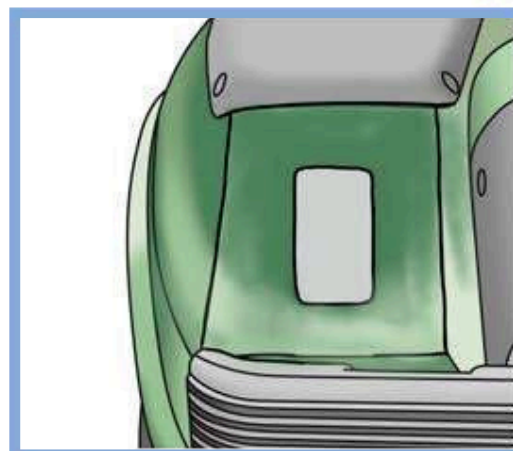


2. Using painter's tape, tape the template to the driver side rear body of the cart. Follow the guidelines to placement of the template.



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

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.

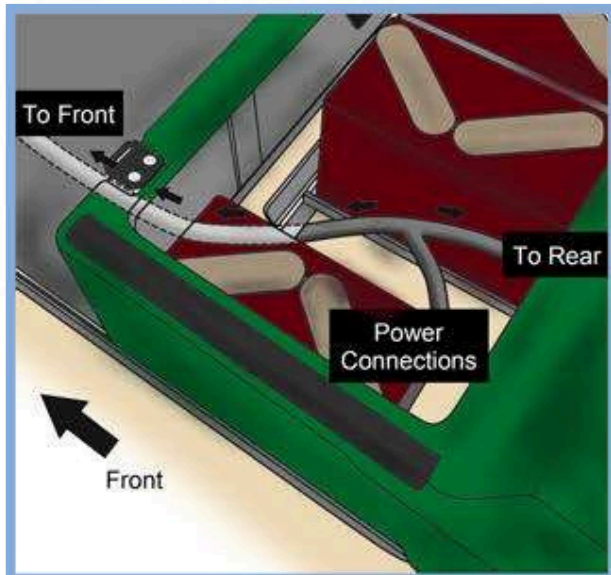


5. Flip the template over and complete Steps 2-4 for the passenger side.

Wire Harness Installation

1. Lay the harness parallel to the driver side of the cart to help with the orientation of the harness before installation.

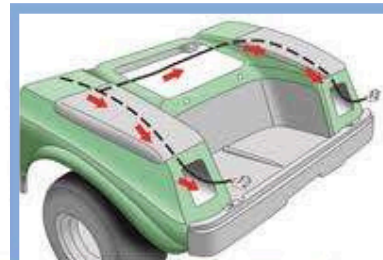
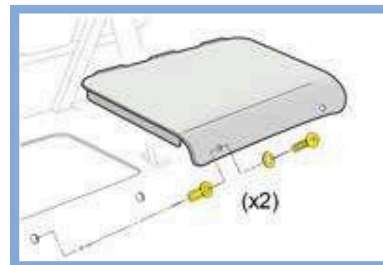
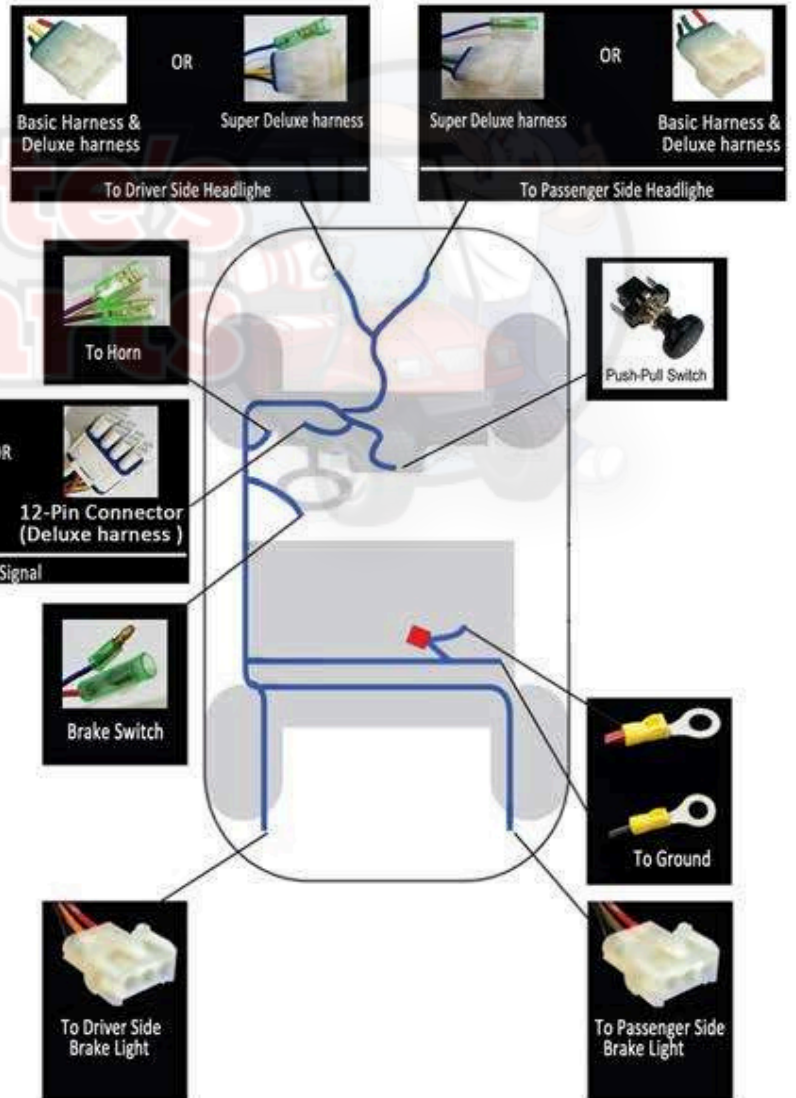
2. Feed the front portion of the harness through the hole in the battery compartment. The taillight and power connections will remain in the battery compartment.



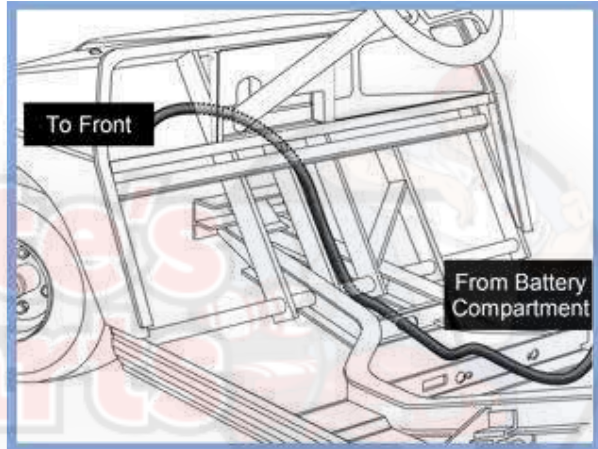
3. Remove the rear access panel. Retain hardware. Feed the rear portion of the harness through the cart so the taillight connections reach the holes in the rear body. Run the harness parallel with the cart's harness for a cleaner installation.

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. Reinstall the access panel.

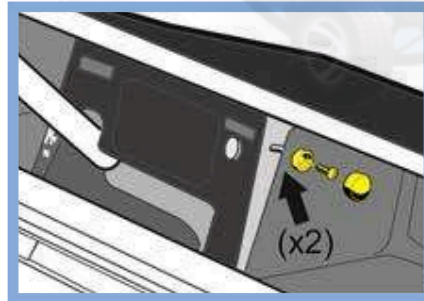
Wire Harness Overview



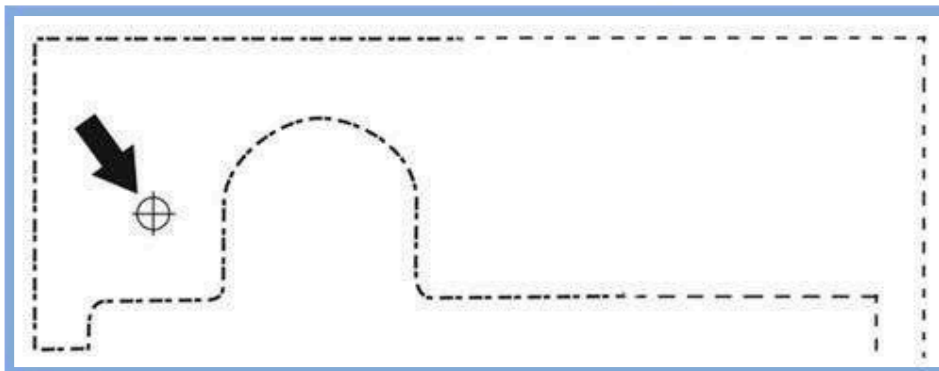
4. Run the front portion of the harness over the cross member in the frame and towards the front of the cart. Keep the harness behind the front suspension components. Make sure the headlight leads reach the openings in the front cowl.



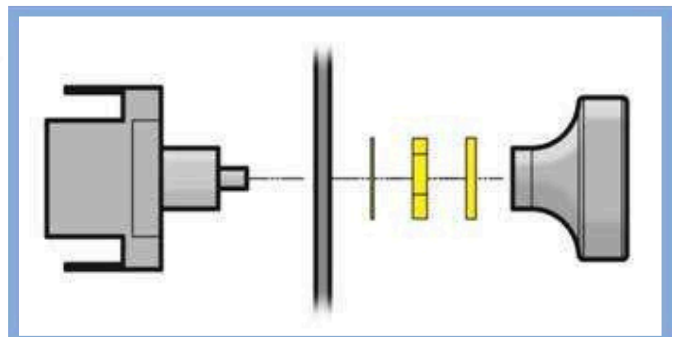
5. Remove the center dash panel and retain hardware. Route the push-pull switch and other leads into the dash area.



6. If powering the lights with the push-pull 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.



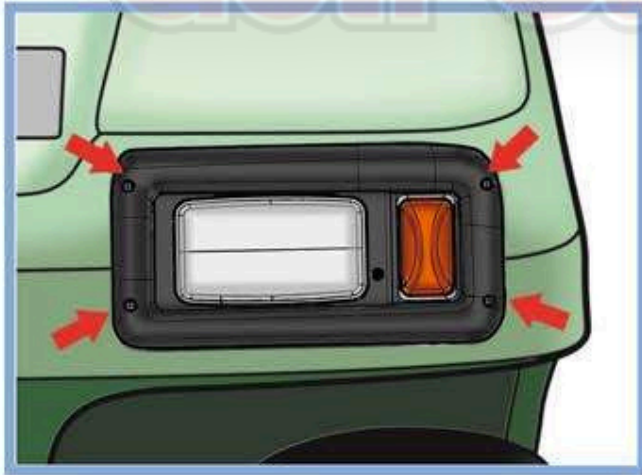
7. Remove the knob, retaining nuts and washer from the push-pull switch and insert the shaft of the switch into the newly drilled hole. Secure using the lock washer and retaining nuts.



8. Reinstall the dash panel.

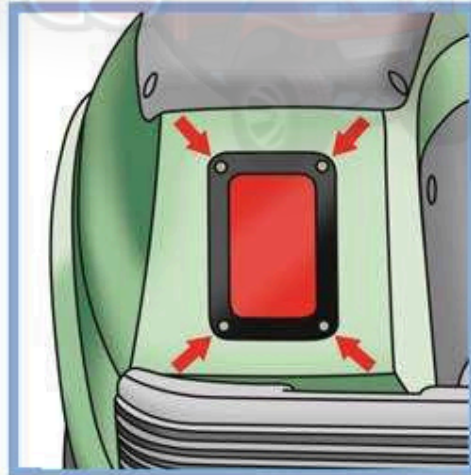
9. Connect the headlights to the headlight leads on the main harness.

10. Insert the headlight assemblies into the holes cut out earlier. Once in place, secure with the (8) Included Screws.



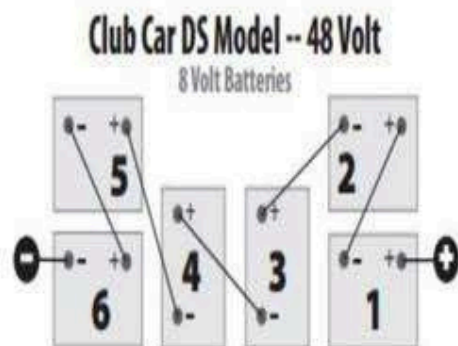
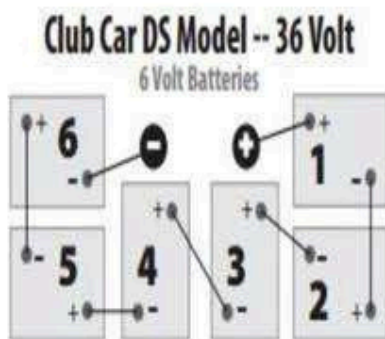
11. Connect the taillights to the taillight leads on the main harness.

16. Insert the taillight assemblies into the holes cut out earlier. Once in place, secure with the (8) Included Screws.



Power Connections

On a 36V or 48V system, select any battery in series within 12v-48v, and connect the positive and negative wires of the harness to the positive and negative terminals of the battery. Tighten the nuts but do not over tighten. Over tightening can destroy the battery posts.



Put the cart in the RUN position (if equipped) and turn the key ON. Turn the lights ON and test the lights and accessories to make sure they function properly.

YOU SHOULD FOLLOW BELOW INSTRUCTIONS WHEN YOU PURCHASED THE DELUXE VERSION

UPGRADE KIT INSTALL FOR CLUB CAR DS(12-48V)

Turn Signal Assemblies

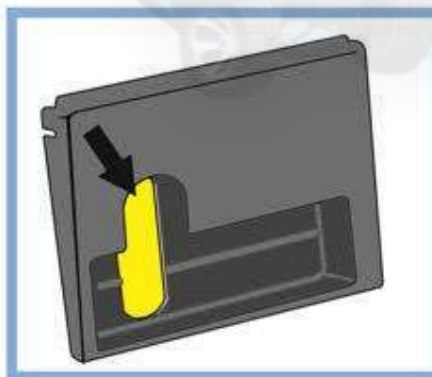
1. Mount the turn signal assembly in a convenient location on the steering column using the included hose clamp.



Standard Turn Signal Assemblies

Deluxe Turn Signal Assemblies

2. Run the turn signal harness down the steering column, and through the hole in the dash panel. NOTE: If the flasher relay is already installed on the turn signal, remove it before running the wires into the dash.

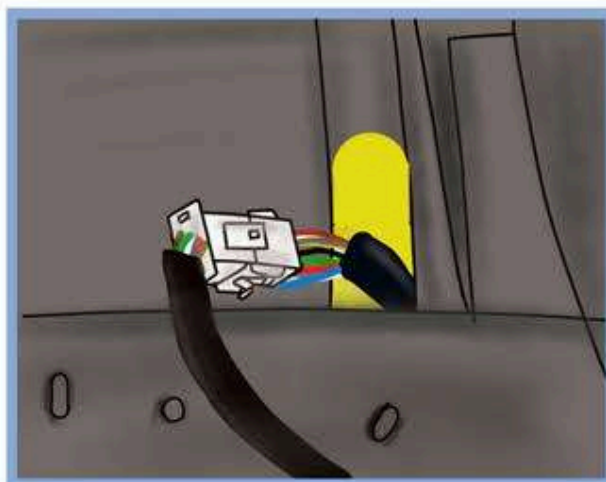


3. Standard Turn Signal Assemblies: Connect the 9-pin connector on the turn signal switch to the 9-pin connector on the deluxe harness. Connect the flasher relay to the Standard turn signal switch harness.

Deluxe Turn Signal Assemblies: Connect the 12-pin connector on the turn signal switch to the 12-pin connector on the super deluxe harness.

Secure the excess wires in the dash compartment.

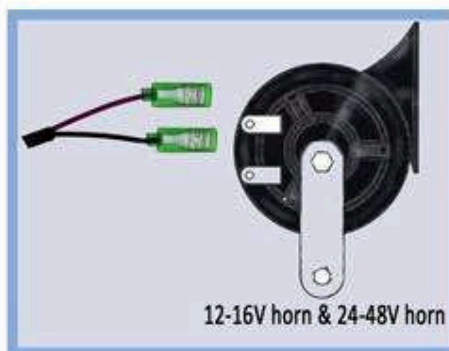
4. Snap the cover around the wires of the turn signal switch and the steering column.



Horns

1. Connect the spade connector on the harness to the horn. You can connect the leads to either terminal.

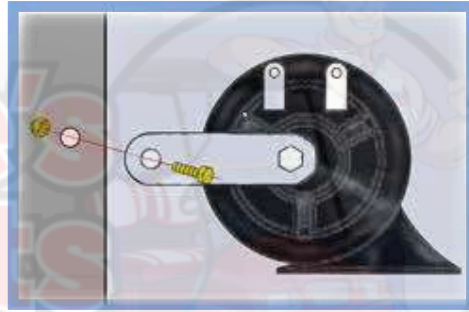
If you choose 12-16v power output, 12-16V horn is recommended, if you choose 24-48V power output, 24-48v horn is recommended.



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.

Install the horn on the new opening with the supplied spare parts.

3. Secure any loose wires with cable ties.

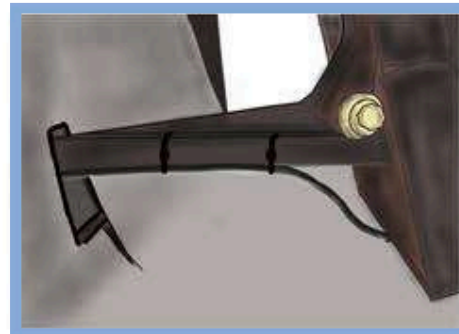


Universal brake light pad switch

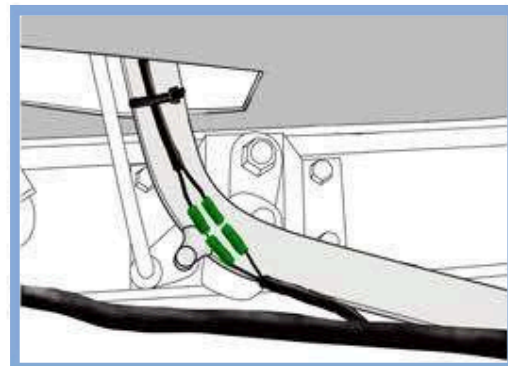
1. Center the brake light pad switch, on the lower portion of the brake pedal assembly. Mounting the switch using the Included Screws, fasten the pad directly to the pedal.



2. 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.



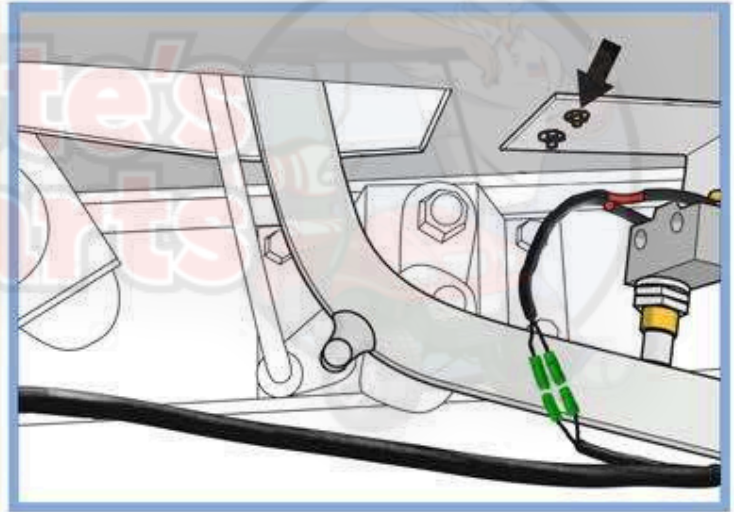
3. Connect the brake pad to the deluxe wire harness. Use a cable tie to secure the wires to the existing wire harness in the channel. Make sure the wires are clear of any moving part.



Brake Switch with Time Delay

1. With the brake pedal in PARK, install the micro switch with the bracket to the underside of the golf cart.

NOTE: When oriented correctly, the micro switch will be depressed when in contact with the brake lever, when the pedal is in PARK.



2. Stick the time delay device at a proper position under the brake.

