8. Remove the knob, retaining nut and washer from the switch and connect it to the harness. Reaching under the front driver side, insert the shaft of the switch into the hole in the panel and secure using the washer and nut. Reattach the knob.
9. Make sure the switch wires are free from obstruction and sharp edges and secure to the steering column with zip ties.
10. Run the remaining wire looms toward the rear of the car, following the frame. Connect the short loom to the driver side taillight. The long loom follows the rear frame cross tube and connects to the passenger side.
11. Make sure the wires and push/pull switch are not touching the frame or any metal parts on the car.
12. Connect the positive wire of the loom to the positive terminal of the battery, batteries, or converter.
13. Pull the push/pull switch to the "on" position
14. Briefly touch the negative wire to the negative terminal or reducer. Light sparks are normal, but a bright, arcing flash indicates a short in the system. If the lights illuminate correctly, push the push/pull switch to the "off" position and connect the wire to the terminal or reducer.
15. Inspect the wiring installation to make sure nothing is pinched or rubbing and that no portion of the harness is below the frame. Secure harness as needed with zip ties.
16. Lower the car from the jack stands.

Note! Refer to reducer instruction or converter instructions per application.

Head Light Adjustment

1. Position the golf car on a level surface approx 8' in front of a wall.
2. Turn on the headlights and observe where the center of each beam shines on the wall. A basic starting position is 28" up from the floor.
3. To adjust, simply turn the screw on the face of the bezel. Clockwise to raise the beam and counter-clockwise to lower the beam being sure not to completely remove the screw.

NIVEL P/N 31541
LED Headlight kit installation instruction For DS

Contents of NIVEL P/N 31541, DS LED Headlight Kit

Included:
(2) LED headlight Driver & Passenger
(2) LED taillight Driver & Passenger
(1) Wiring Harness with Pull Push Switch
(16) pieces of Screws
(12) pieces of Zip Ties
Installation Manual with Templates

Caution: Before starting this project, remove the system positive & negative connections from the battery or battery pack. Please read through the instructions carefully. Place RUN/TOW in tow position first!

Headlight/Taillight Cut -outs

1. Cut out the headlight from the template. Place the template on the driver side front cowl facing up and out. Carefully position the template and tape into place, using caution with freshly painted surfaces. Mark the cut out area and remove the template.
2. Apply masking tape along the outer edges of the lines. This provides protection for the cowl surface.
3. Carefully drill a hole on the inside corners of the lines using a drill bit large enough for the saw blade. Do not drill outside of the lines.
4. Using a jig saw or dremel, insert the blade into one of the holes and carefully cut along the marked line until the piece of cowl is removed. Remove the tape. Use a file or 80 grit sandpaper to smooth the edges.
5. Flip the template over and repeat steps 1-4 on the passenger side.
6. Cut out the taillight from the template. Place the template on the driver side rear body facing up. Carefully position the template and tape into place. Mark the cut out area and remove the template.
7. Repeat steps 2-4 for the taillight.
8. Repeat steps 6 & 7 for the passenger side taillight.

Headlight/Taillight Installation

1. Insert the driver and passenger headlight assemblies into their respective holes and check for overall fit. File or sand the cut out if necessary. Align both bezel assemblies and tape into place. Take some reference measurements and step back to visually ensure proper alignment.

2. Once the headlights are properly aligned, fasten the headlights to the cowl. On the driver side, use the bezel as a template to drill a 1/32" hole in the cowl on the upper inside corner. Insert, but do not tighten, a 1/8"x3/4" screw. Repeat this on the lower outside corner. Now drill the two remaining holes and insert two more screws. Hand-tighten, using caution not to over tighten the four screws
3. Repeat steps 2 for the passenger side.
4. Repeat steps 1 & 2 for driver and passenger taillights.

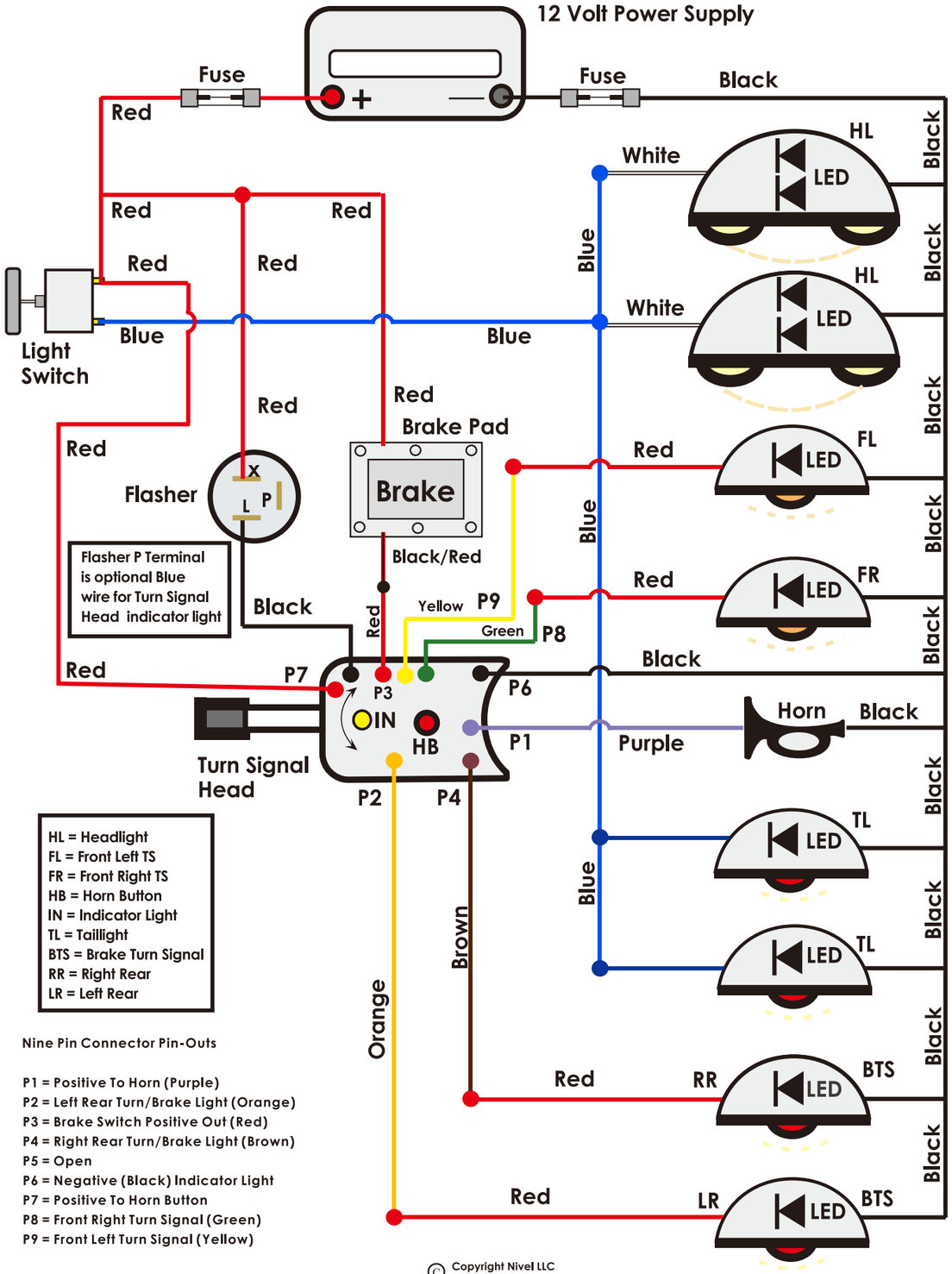
Push/Pull Switch Cut -out

1. Position the push/pull switch template on the center dash panel and tape into place. Center punch the push/pull switch location. Carefully drill a 3/8" hole for the new switch. Using a file, remove any sharp edges.

Note: This light kit is designed to be used with 12V-DC Power Only! On gas cars, you can connect to the positive and negative terminals of the 12V battery. On 36V electric cars, you can use two of the series connected 6V batteries, connecting the positive wire to the positive terminal on one battery and the negative wire to the negative terminal of the other battery. On 48V systems, you must use a voltage reducer or converter.

Wire Harness Installation

1. Make sure the positive and negative connections from the battery or battery pack have been removed.
2. Raise the front of the car and set it securely on safety jack stands. Make sure the car's safety brake lock is "ON" and the rear wheels are blocked.
3. Remove the push/pull switch from the wiring harness.
4. Starting in the battery or engine compartment on the driver side, position the wiring harness with the two taillight wires going toward the rear of the car.
5. Following the car frame, thread the harness with front headlight connectors and ignition switch connectors towards the front and up under the center of the cowl.
6. Connect the harness to the headlights.
7. Thread the wires for the push/pull switch along the steering column.



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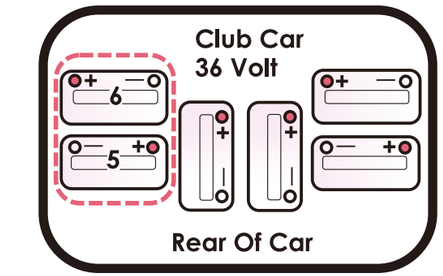
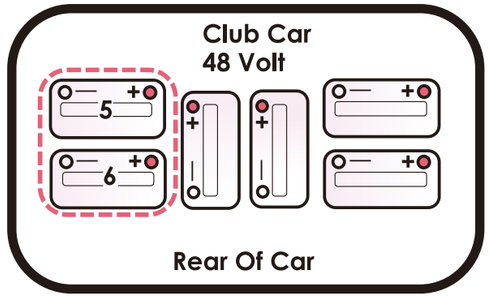
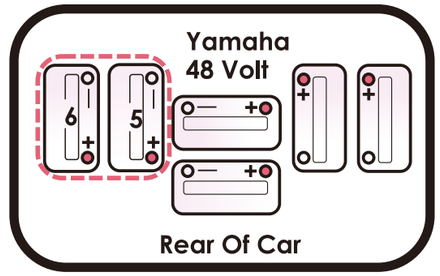
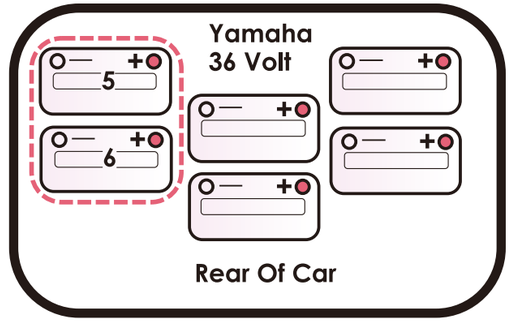
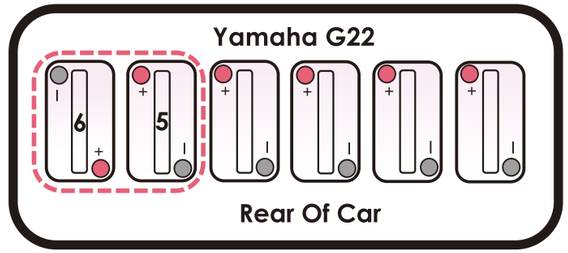
31540~31541~31542 LED Light Kit Battery Connections

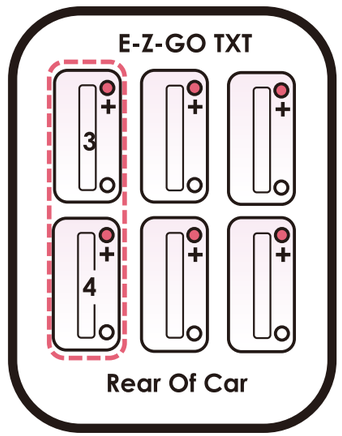












Locate in the battery compartment the appropriate battery connection point as per the drawings.

Make sure if the car uses a Run/Tow Switch the switch is placed in the run position first!

Caution: Wear Appropriate Eye Protection!