

# 30695T UNIVERSAL TURN SIGNAL KIT Installation Instructions

This kit includes :

A	1	Turn Signal Switch Assy.
B	1	Steering Column Sleeve
C	1	Flasher Relay, 3 Terminal
D	3	Female connectors
E	1	Screw Clamp
F	1	Fuse Holder
G	1	Adapter Not Used In Newer Kits
*	1	Optional Audible Alarm (Not Shown)



## Installation

These installation instructions were created for UNIVERSAL application, to all Golf Cars. As a result, you will notice that some portions may be a little vague and may not refer to specific details matching your car. Installation of this kit could require extra connectors or extra wire length which are not included in this kit. If at any time you are unsure of how to continue the installation on your car, contact Nivel Manufacturing tech support group for assistance.

### General Notes:

- All the turn signal circuit functions connect to the positive (+) circuits of your cars head and tail light system.
- The flasher used is an automotive type (BU Part # WRG UNV 2456) should a replacement ever be needed.
- Automotive style connectors will be used and will require the use of a common connector crimping tool.

**NOTE: Colors shown in the cars wiring system on the attached page, will probably NOT match the colors in your cars light harness. These colors are used for reference only!**

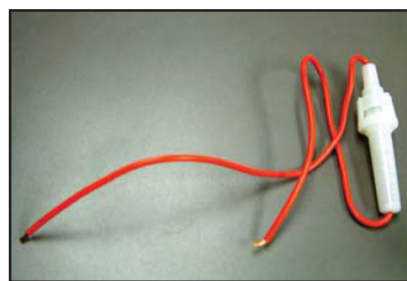


Figure 1 - Fuse Holder Assembly

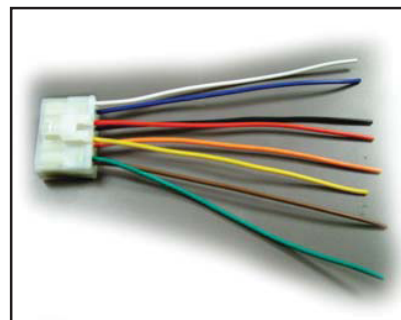


Figure 2 - Adapter Plug (not used in newer kits)



### Cautions:

- It is always best to disconnect your light circuit's positive and negative leads and the main battery negative terminal before working on your car. This will prevent accidental operation of the cart or accidental short circuits while installing this kit. Regen cars, TOW SWITCH OFF.
- The fuse utilized in this kit is a 15 amp and ONLY a 15 amp replacement should be used.
- MINIMUM 18 gauge extension wires should be used.

### The Turn Signal Switch Assembly:

- Place screw clamp around steering column. Slide switch over clamp and tighten clamp to secure on column. Placement of switch assembly varies based on column length and wire routing.
- Route wires from the switch down the steering column and through the dash. Depending on the brand and model of your car, you may have to cut a hole in the dash for the wiring to pass through.
- Locate the main positive and negative wires for your head light wiring system (most often, the main positive goes directly to the light switch on your dash). Connect the red fuse wire (see figure 1) by cutting the light system positive wire, stripping back both wire ends (where the wire was cut into two pieces), then reconnect using a common butt connector while adding the red fuse holder wire to one end of this new connection. Connect the white wire from the kit's adapter plug (See figure 2), by cutting the negative wire of your cars light system, stripping back the ends approximately 1/4", then reconnect using a butt connector while adding the white

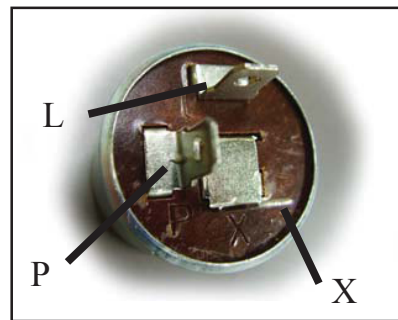


Figure 3 - Flasher Relay

wire to one end. This white wire supplies the negative to the turn signal indicator light on the turn signal switch.

#### The flasher Relay:

- Connect the flasher by attaching one of the female connectors supplied, to the unused end of the red fuse holder wire. Connect this red fuse holder lead to the "X" terminal of the flasher relay (See figure 3).
- Connect the blue wire from the adapter plug, to terminal "P" on the flasher relay (See figure 3).
- Connect the black wire from the adapter plug, to terminal "L" on the flasher relay (See figure 3).

#### Audible Alarm Option:

If the Audible Alarm option is included in your kit, connect the black alarm wire to the black "L" connection and the red alarm lead to the blue "P" Connection on the Flasher Relay.

#### Front Turn light Connections:

- Identify the positive 12 volts power leads running to your front amber lights on your car. Normally this will be very near the head light. Cut or disconnect this amber light wire from your existing wire harness. See diagram on page 3.  
NOTE: If you are using a Nivel Deluxe Light Kit on your car, these connections have been provided for you near the light switch. Just remove the BLUE or ORANGE jumper leads and connect your turn signal adapter leads. See \* on wiring diagram.
- Connect the turn signal adapter green wire, directly to the front right amber light lead wire on your car.
- Connect the turn signal adapter yellow wire, directly to the front left amber light lead wire on your car.

#### Brake light switch Connections:

- Identify the positive 12 volts power leads running to your rear brake lights on your cart. Cut or disconnect this brake light wire from your existing wire harness. See diagram on page 3.  
NOTE: If you are using a Nivel Deluxe Light Kit on your car, these connections have been provided for you near the light switch. Just remove the BLUE or ORANGE jumper leads and connect your turn signal adapter leads.
- Connect the turn signal adapter brown wire, directly to the right rear brake light lead wire on your car.
- Connect the turn signal adapter orange wire, directly to the left rear brake light lead wire on your car.
- Locate the two wires which go to the brake light switch on your brake pedal. One will already have 12 volts positive power going to it at all times. The other will only have power when the brake pedal is depressed. This "switched" lead wire must now connect to the red wire at the turn signal switch adapter. See diagram on page 3.  
NOTE: If you are using a Nivel Deluxe Light Kit on your car, these connections have been provided for you near the light switch. Just remove the BLUE or ORANGE jumper leads and connect your turn signal adapter leads.

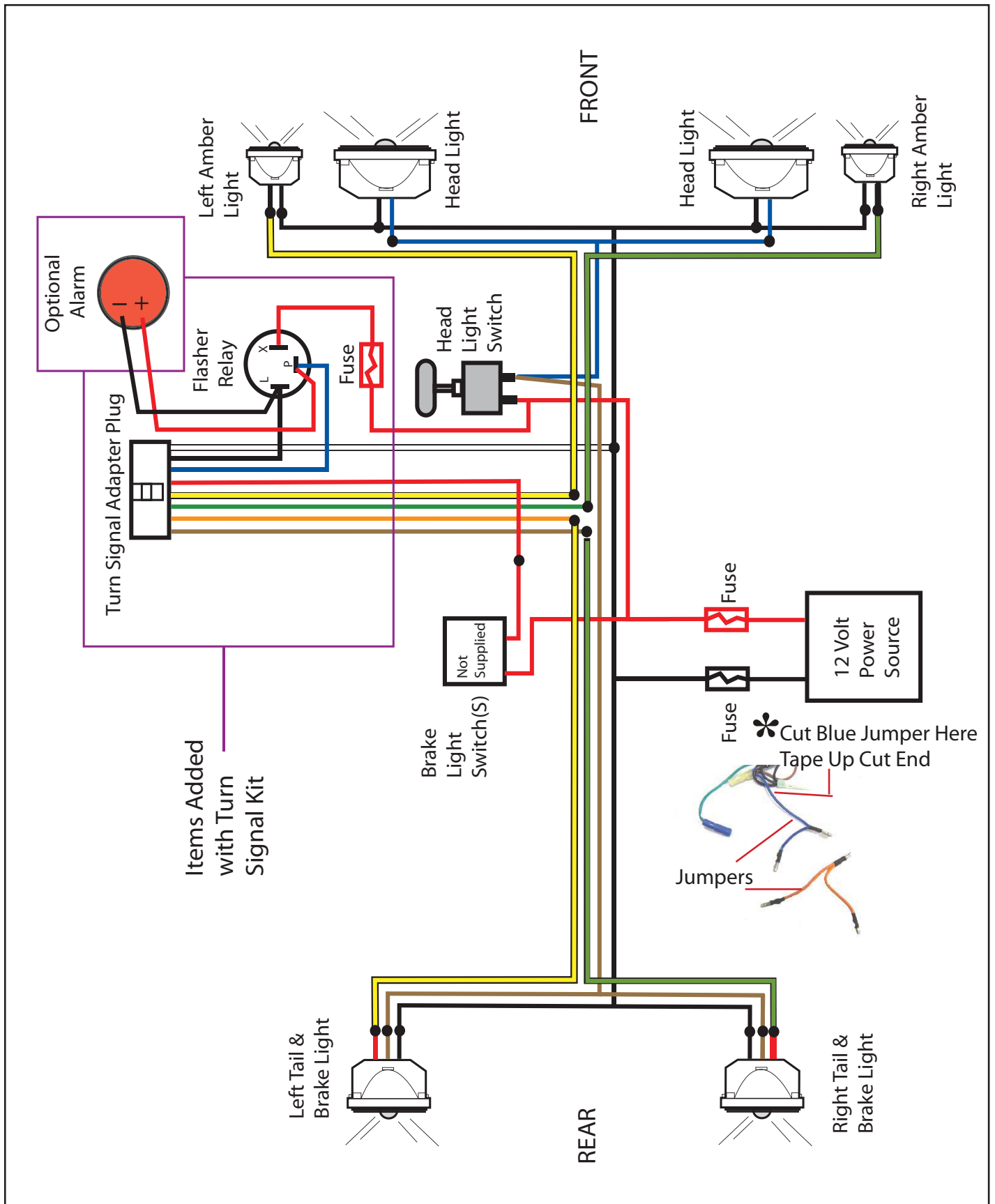
#### Recap of Turn Switch Connections:

Note the connections listed below and verify your cart is now connected up in the same manner. Once you have confirmed the connections are correct, plug your new turn signal switch into the adapter wired into your car and reconnect your battery connections.

Test your new turn signal switch to insure that all your lights are functioning normally. Should you find that one or more are not working, recheck your connections and inspect your light bulbs to see if one may have been damaged or burned out.

**NOTE: Colors shown in the cars wiring system on the attached page, will probably not match the colors in your cars light harness. These colors are used for reference only!**

Adapter Wire Color	Connected To (Cart Harness)
<i>White</i>	<i>System 12 volt Negative</i>
<i>Blue</i>	<i>Flasher Relay "P" Terminal</i>
<i>Black</i>	<i>Flasher Relay "L" Terminal</i>
<i>Red</i>	<i>To Cart Brake Light Switch</i>
<i>Orange</i>	<i>Left Brake Light</i>
<i>Yellow</i>	<i>Left Front Amber Light</i>
<i>Brown</i>	<i>Right Brake Light</i>
<i>Green</i>	<i>Right Front Amber Light</i>

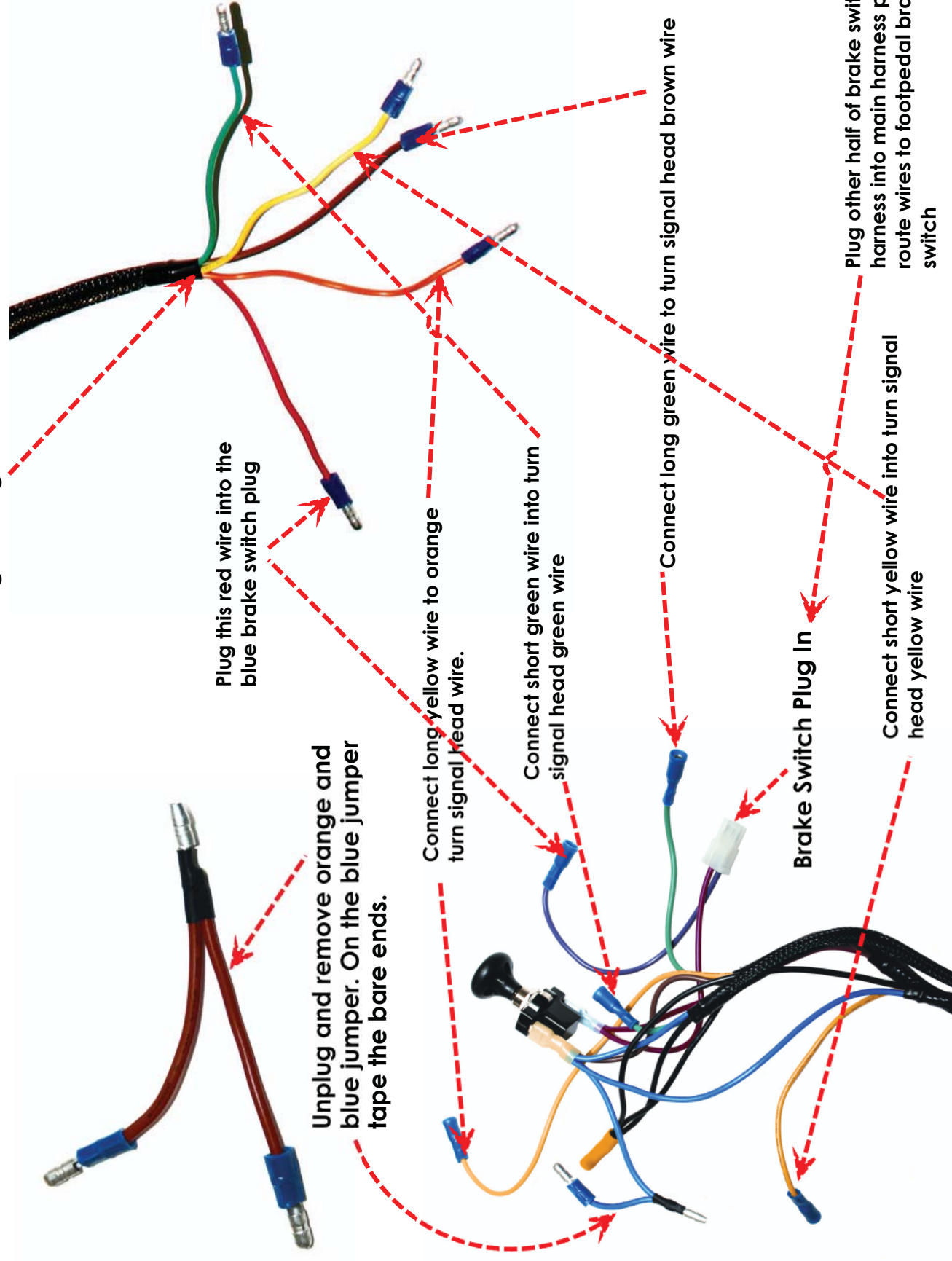


## 12 Volt Power Supply

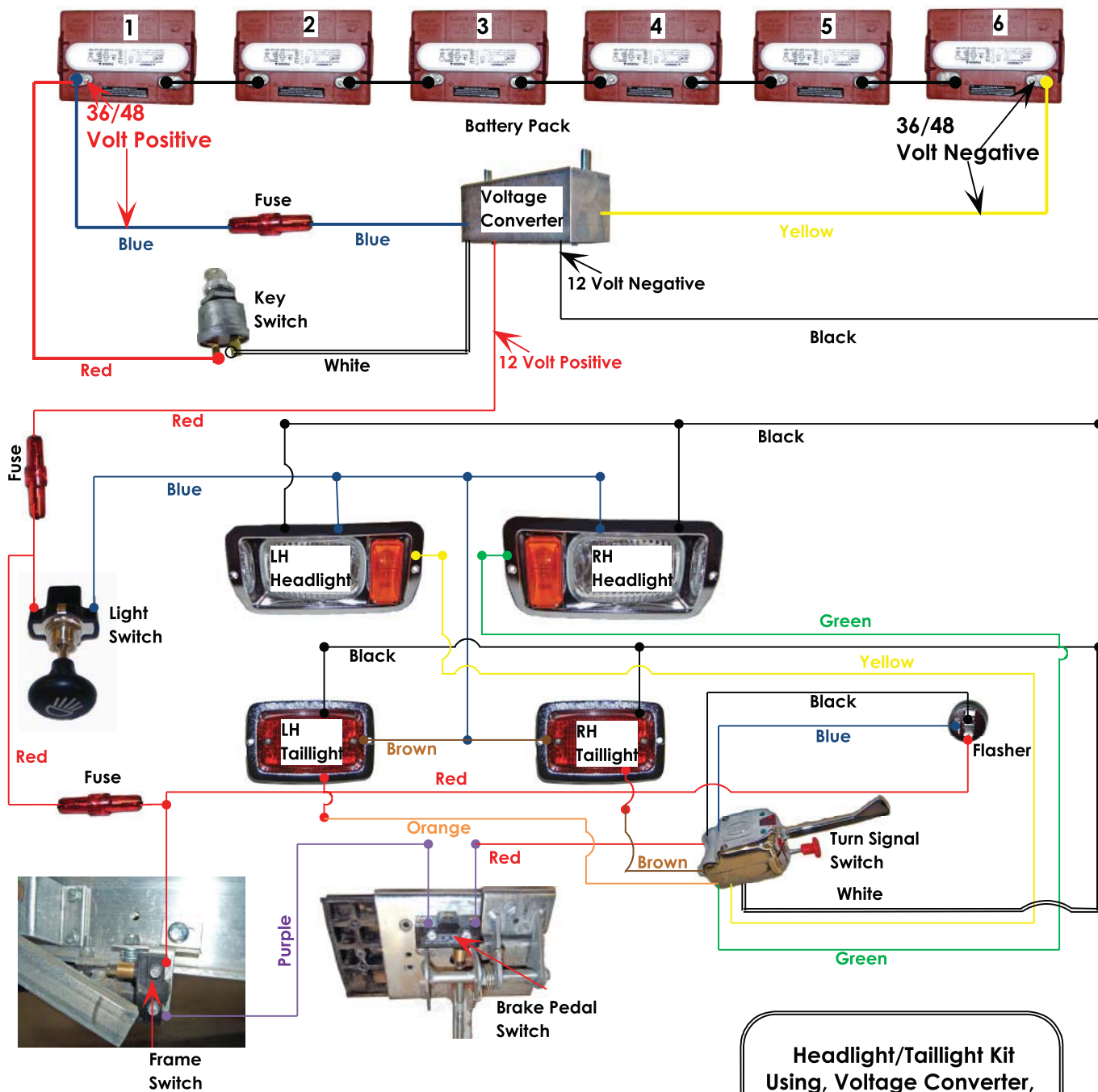


The turn signal alarm red wire connects to the blue P terminal on the flasher. The black alarm wire connects to the white turn signal head wire.

## Plug Turn Signal Head Wires Into Harness



Note: on some harnesses the long yellow wire may be orange now. The long green wire may be brown now.



**Headlight/Taillight Kit  
Using, Voltage Converter,  
Turn Signals and Brake  
Lights.**

All black wires are battery negative with the exception of the white single wire connecting to the turn signal switch, this white wire is battery negative for the turn signal light bulb inside the switch assembly.

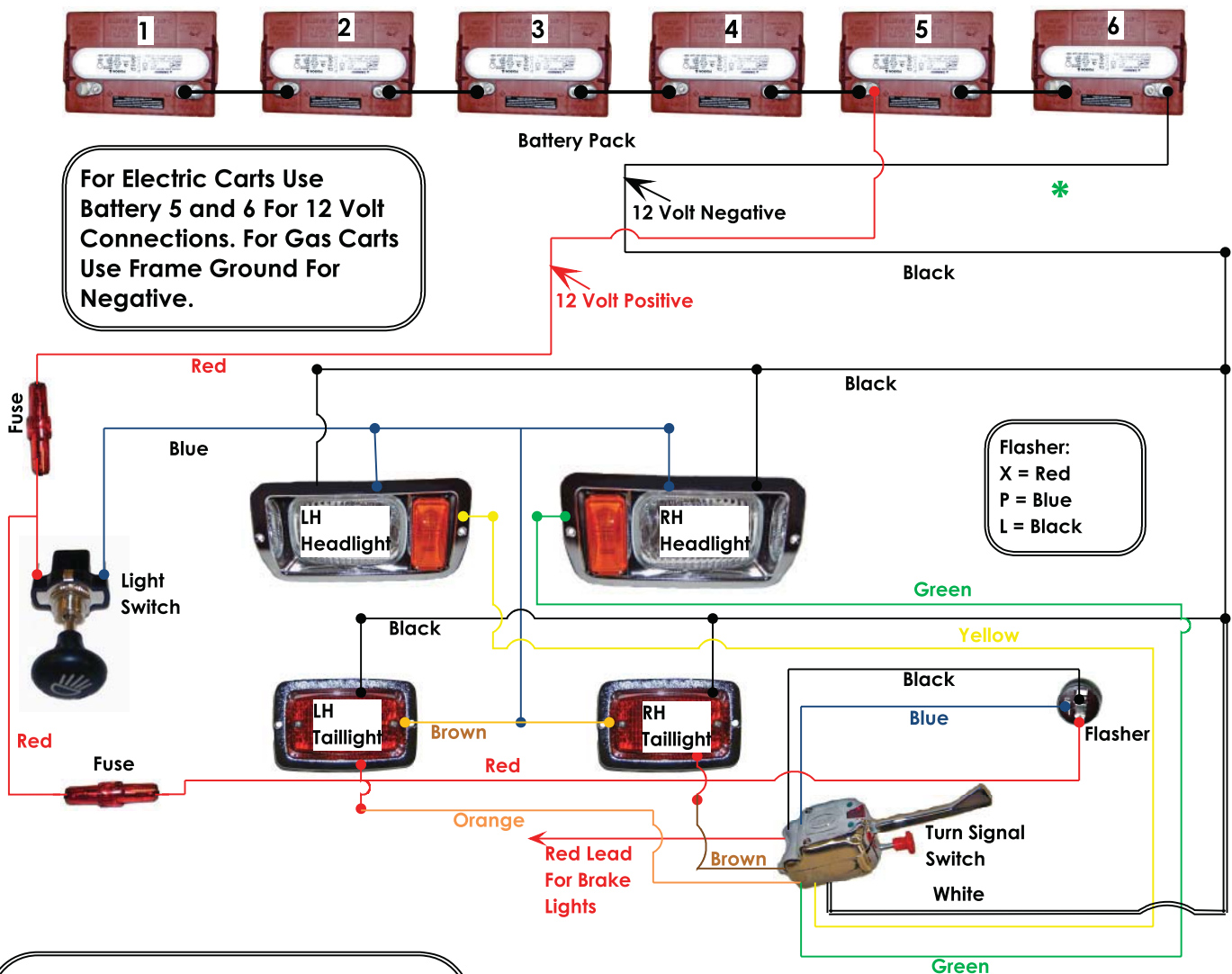
**Note 1:**  
The marker lamps in the front are utilized for turn signals and must not connect to the main headlights.

**Note 2:**  
The taillight red wire is for turn signal/brake lights. The orange T/S wire connects to LH side. The brown wire connects to the RH side.

**Flasher:**  
X = Red  
P = Blue  
L = Black



## Turn Signals With Out Converter



**All black wires are battery negative with the exception of the white single wire connecting to the turn signal switch, this white wire is battery negative for the turn signal light bulb inside the switch assembly.**

**Note 1:**

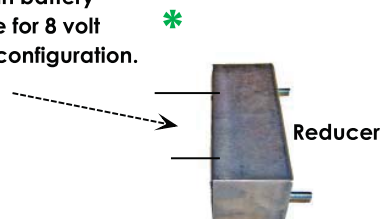
**The marker lamps in the front are utilized for turn signals and must not connect to the main headlights.**

**Note 2:**

The taillight red wire is for turn signal/brake lights. The orange T/S wire connects to LH side. The brown wire connects to the RH side.

**Battery configurations vary with brand of cart, consult your service manual for proper configuration. For 48 volt six battery configuration you must use a Voltage Converter or Reducer for 12 volt power supply!**

**Connect in series with main battery negative for 8 volt battery configuration.**



## Reducer