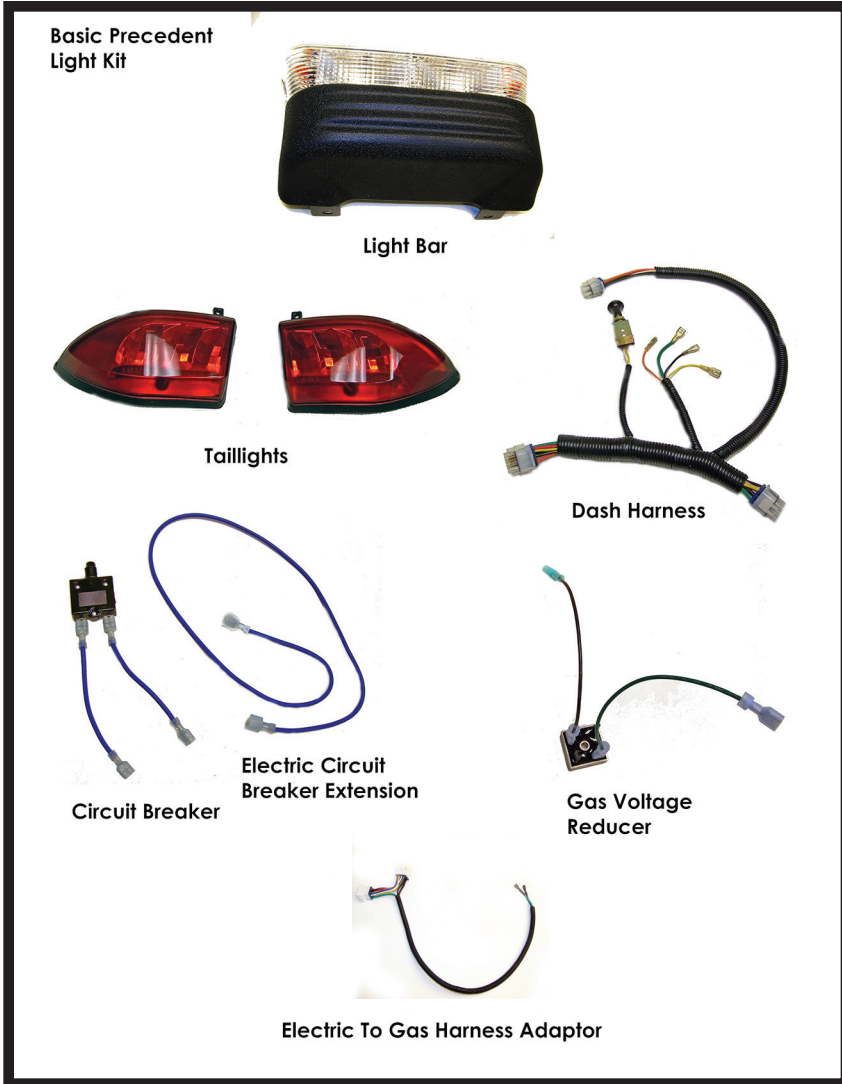
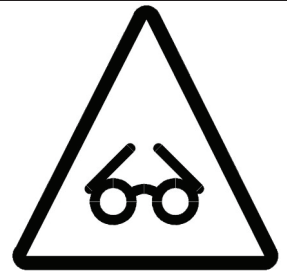


**Caution! Wear appropriate eye protection!
Disconnect the battery or batteries. Place
run/tow switch in tow position before discon-
necting the batteries on models using that
feature.**



Tools Needed:
T-15, 20, 30, and 40 Torx
3/8", 7/16", 9/16" Wrenches
1/2" Open-end Wrenches (2)
10mm Wrench
Flat Blade Screwdriver
Drill and Drill Bits
1 - 1/2" Hole Saw

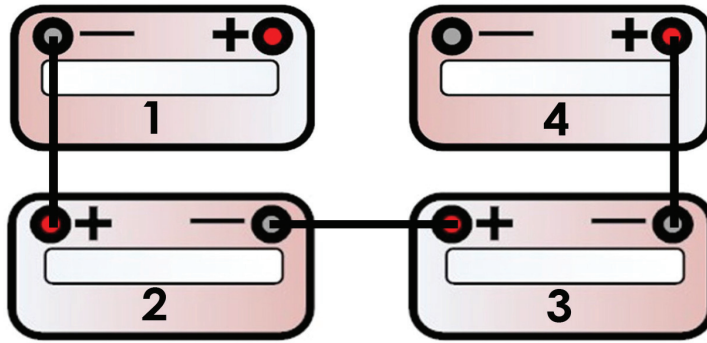


This kit consists of the above items and is specific to Gas Cars or Electric. Gas cars will use the Circuit Breaker short wires, Voltage Reducer and Harness Adaptor. The kit has a 12 pin Dash Harness that connects to a pre-existing harness in the dash on models 2004 up to 2008.5 electric models. Above 2008.5 you will need the rear half harness part number 30848. For model gas cars from 2004 to 2008.5 a pre-existing 9 pin harness exists. For that model you can use the Harness adapter to convert the 9 pin connector into a 12 pin connection on the Dash Harness supplied with this kit. For 2008.5 gas cars up, use rear half harness part number 30848 as the harness adapter will not be needed. The harness adapter is only needed if the car has a 9 pin connector.

Electric cars will use the Breaker Extension.

This kit is compatible with Turn Signals, Brake Lights and Horn.

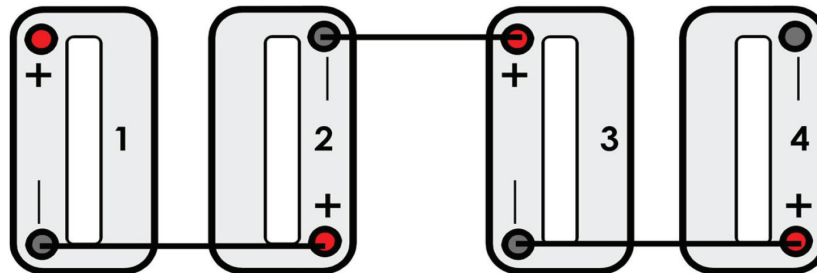
2004~2008



Towards Rear

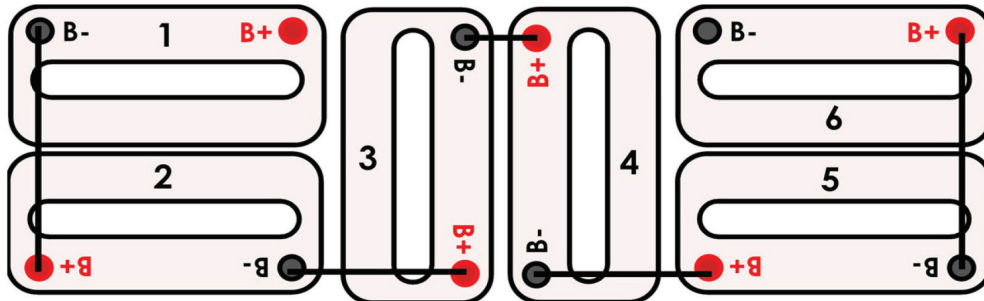
2008~2008.5 (Half Year 09)

Towards Rear



2008.5~Up

Towards Rear



Precedent battery pack arrangements for years 2004 and up. Notice from 2004 to 2008 it is pretty consistent. However, it bounces all over the board on that 1/2 year model.

It is advised to use part number 31486 Voltage Converter to insure battery protection. For 12 volt connections use battery number four on the 4 battery pack versions. For 6 eight volt battery pack versions again use a Voltage Converter. If using just two eight volt batteries at 16 volts then you must use a Voltage Reducer. Use battery number 6 for the Reducer negative connection and battery number 5 for positive connection.

For 12 Volt Gas Cars:

Connect directly to battery positive and battery negative on the battery.

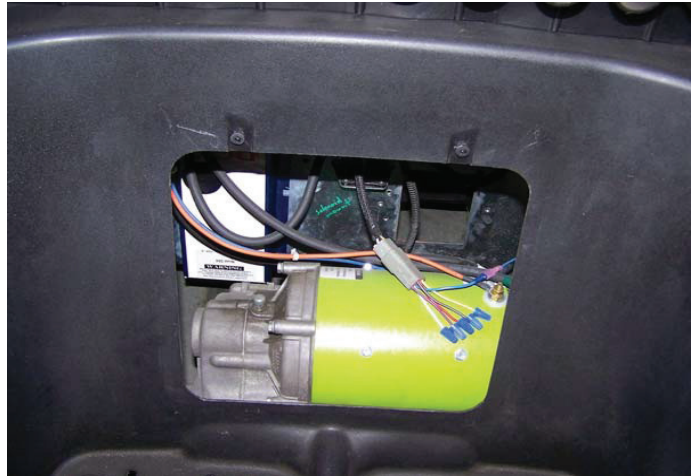


Caution: Wear Appropriate Eye Protection!



Locate inspection cover in bag-well.

Remove Inspection cover so you can see the exposed frame.

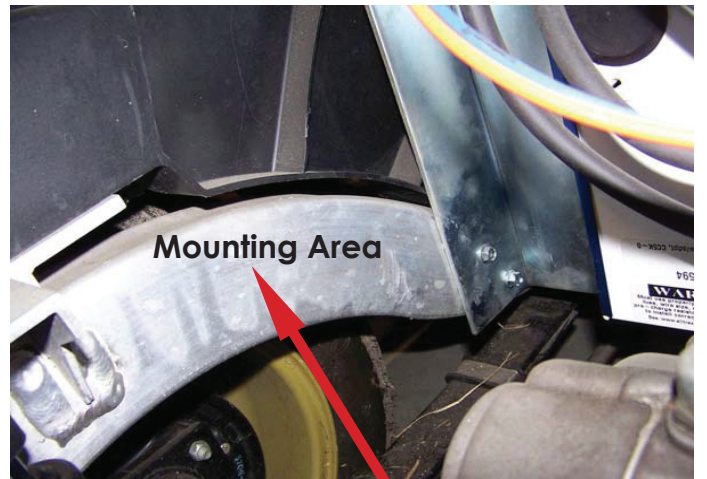


It may be necessary to Extend Wires

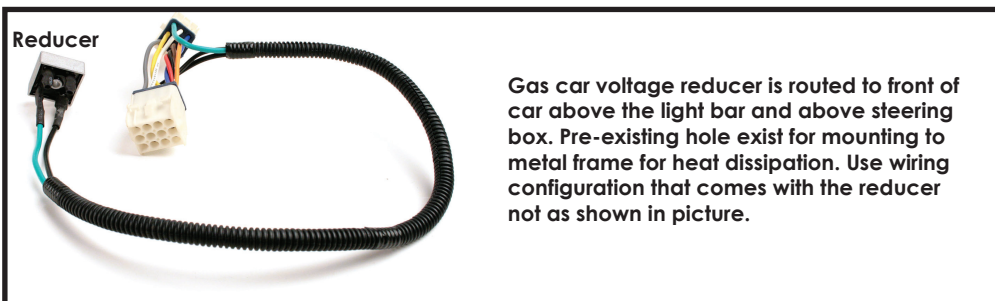
Set the converter onto frame either left hand side or right hand (left is shown). Mark mounting holes and drill to a size that will accommodate self tapping screws.

Once it is mounted route the battery connection wires to the main positive large terminal on the solenoid, the one coming straight from battery number one positive. Place car in tow position before disconnecting the batteries! Connect the main negative lead to the first negative connection to the car. Battery 4 or battery 6 depending on which battery arrangement the car has.

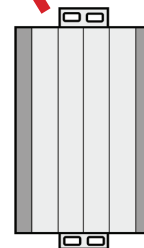
Connect the 12 volt converter wires directly to the rear half light harness positive and negative feed as per converter diagram.



© Copyright Nivel LLC
All Rights Reserved



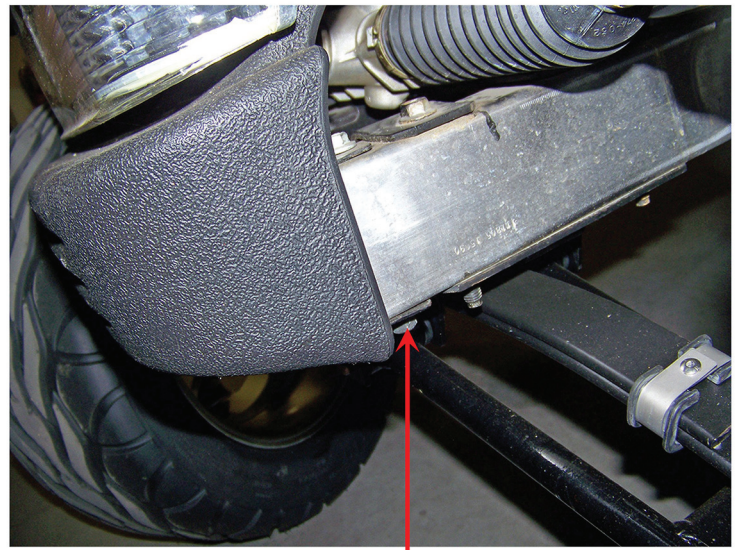
Gas car voltage reducer is routed to front of car above the light bar and above steering box. Pre-existing hole exist for mounting to metal frame for heat dissipation. Use wiring configuration that comes with the reducer not as shown in picture.



Converter
Sold Separately

Instructions:

Remove the original bumper by removing the bolt shown in picture. There is one located on each side. Some force may be needed to pull the bumper off the frame. Likewise as you install the new light bar some force may be needed to spread the clamping area to the frame and be able to push the removed bolt back through. Tighten the bumper at this time.



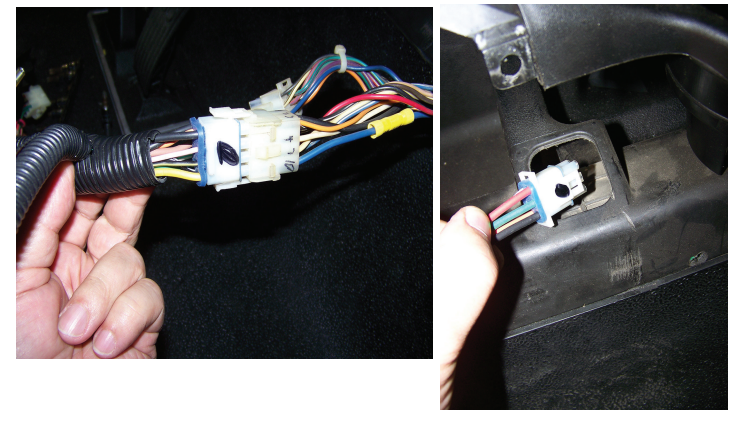
Bumper/Light Bar Mounting Bolt

Remove the three torx head screws that holds the dash in place. You will need size 20 and size 30 torx driver tool. Pull dash out to access wiring inside. For electric cars locate the 12 pin connector and for gas cars locate the 9 pin connector. Do not confuse the 9 pin connector that is already connected to the main car dash harness. Leave that connection alone it has nothing to do with the light kit harness. Connect the light kit dash harness to appropriate connector. If the car is gas use the harness adapter to make the connection. Drill a .475" hole left of the key switch for light switch mounting.



Remove Three Dash Screws

If you are missing the 12 pin or 9 pin connector for 2008.5 and above you need to order one by the part number listed on the first page. Route the 6 pin connector through the dash opening going toward the front axle. The light bar will have a mating 6 pin connector. Tie this wire connection up as not to interfere with the steering or any sharp edges. Pack the dash harness and car main harness into dash area and install the dash with the three torx bolts you took out. Care should be taken as not to force the dash into place. Re-pack the harness if it is hard to install the dash.



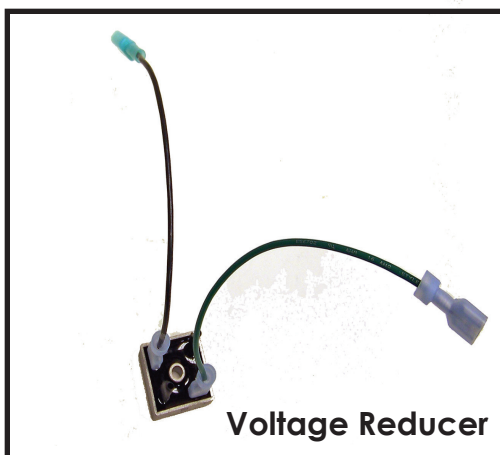
Cut the taillight holes by measuring from the top edge of the bumper. Measure up 1-1/2" and draw a horizontal line. Measure from the edge of the bag-well horizontally 2-1/4" and draw a vertical line. Where the two lines intersect center punch. Using a 1-1/2" hole saw cut a hole. After cutting the hole you will need some sort of a hooking devise to retrieve the wiring harness located inside the fender. Connect the taillights and clean the mounting area with rubbing alcohol. Remove double sided tape cover and center the lights on rear fenders. Once in place drill 5/64" holes for screw installation. Make sure the harness is pushed into hole as you place the lights. Remember if you do not find the three pin connectors then the rear half harness is missing (2008.5~Up).



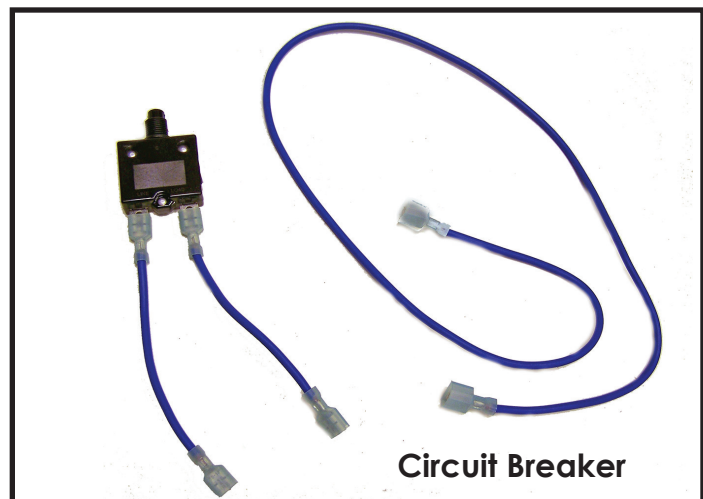
Connect the circuit breaker to the positive feed wire. Connect to 12 volt positive potential. Connect the negative feed wire to a 12 volt negative potential (See Diagram). On gas cars connect the voltage reducer to the negative feed wire. Mount the reducer under the front body above the steering box to any pre-existing frame hole.



Screw Mounting

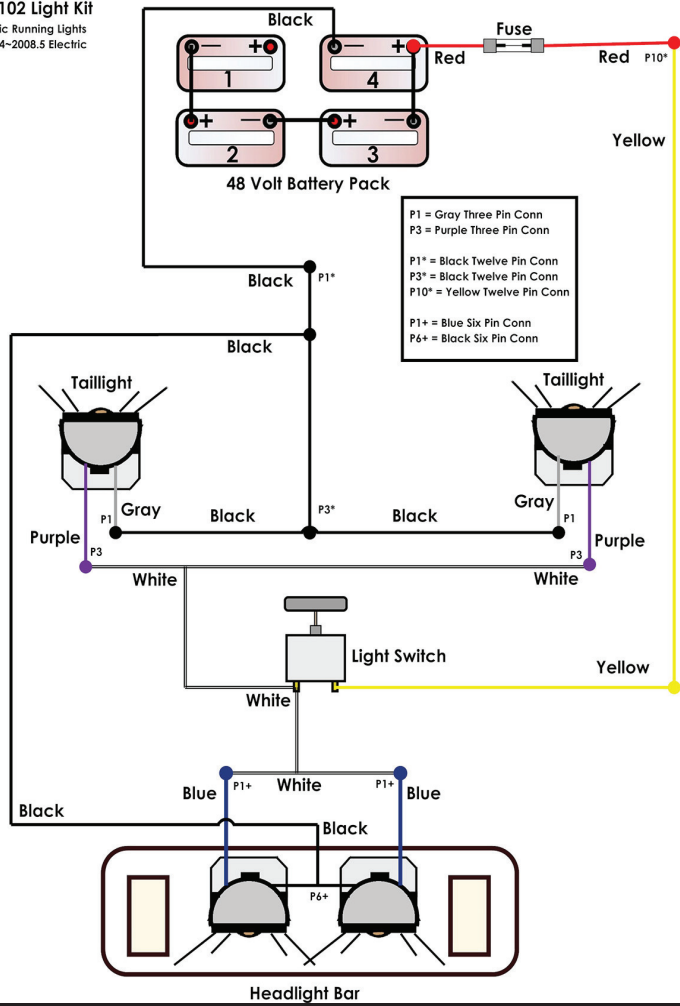


Voltage Reducer

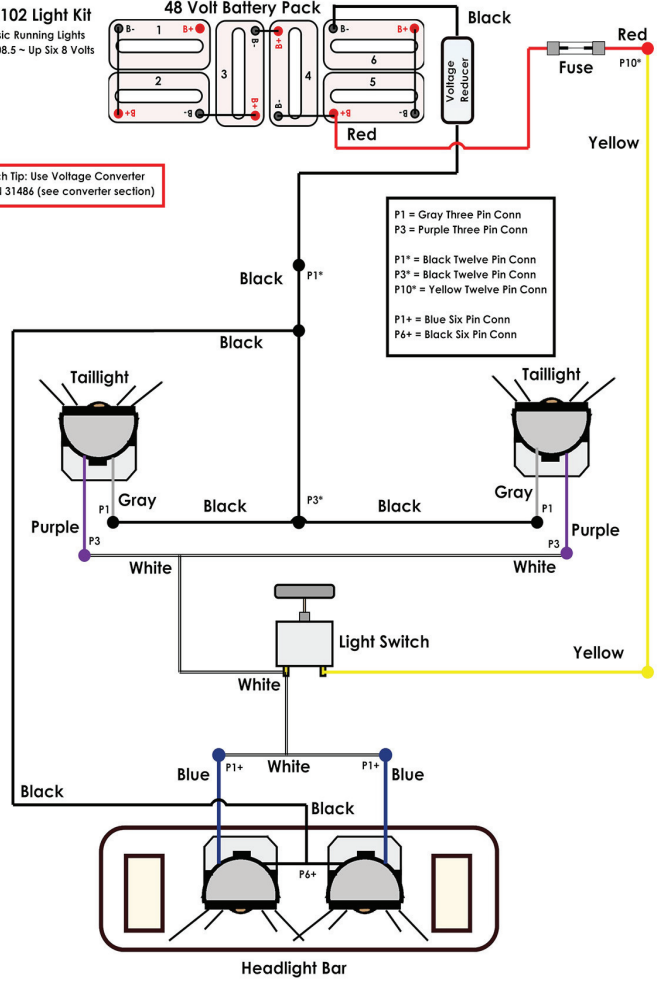


Circuit Breaker

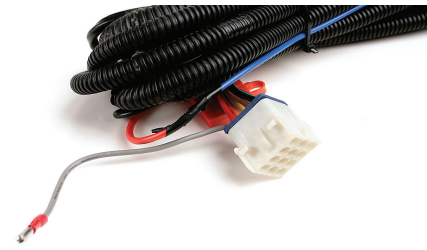
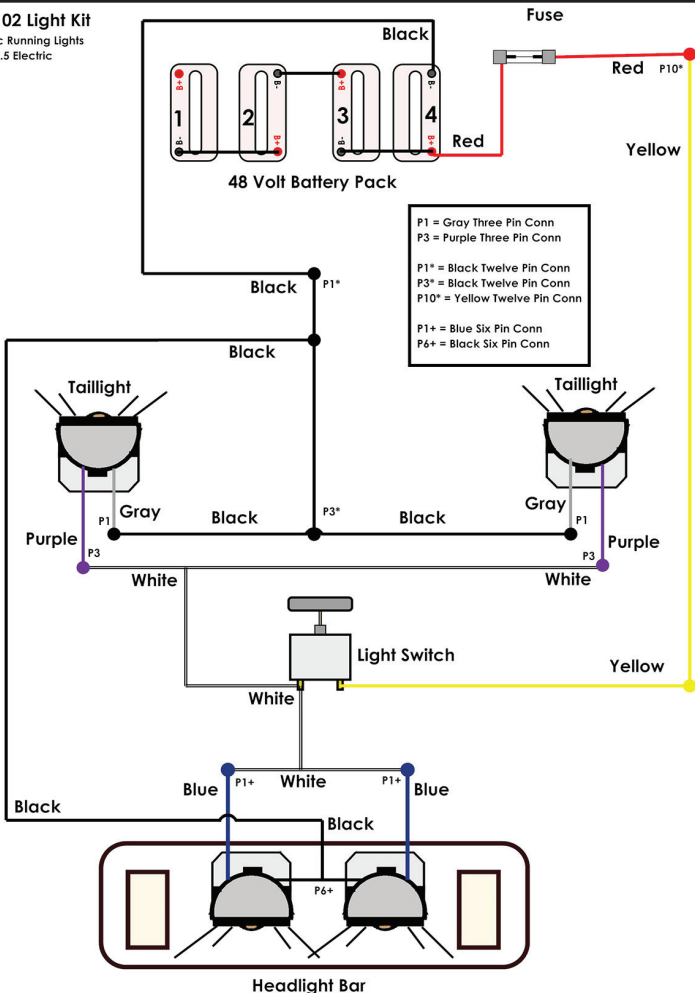
60102 Light Kit
Basic Running Lights
2004-2008.5 Electric



60102 Light Kit
Basic Running Lights
2008.5 ~ Up Six 8 Volts



60102 Light Kit
Basic Running Lights
2008.5 Electric



The single gray wire in this picture connects to the key switch accessory side for brake light relay activation. Not all harnesses will have this. Ones without connects per rear half instructions.

Indemnification And Insurance Agreement

Electrical Component Purchaser assumes sole and entire responsibility for, and shall indemnify and save harmless Nivel LLC, from any and all claim, liability, responsibility, and persons or property that may be sustained in connection with the use of any product before or after purchase, including but not limited to Electrical Components purchased. The Electrical Component purchaser also shall indemnify Nivel LLC harmless with respect to any and all liability that may be incurred.

Golf Cars are recommended for use only by those aged 16 and older. Golf Cars can be especially hazardous to operate. Always remember that riding and alcohol/drugs don't mix. Never ride on public roads. Never carry more than two passengers (except shuttles and trams). Never engage in stunt driving. Avoid excessive speeds and be particularly careful on difficult terrain. Nivel LLC reserves the right, at any time, to discontinue or change specifications, prices, designs, features, models, or equipment without notice and without incurring any obligation.