



**Adapter Kit  
Wiring Diagram  
&  
Installation Instructions**

**FOR 99100929 ADAPTER KIT**

# WIRING DIAGRAM



1. THINK SAFETY, ALWAYS WEAR SAFETY GLASSES WHEN PERFORMING THE OPERATIONS PRESCRIBED IN THESE INSTRUCTIONS
2. READ ALL INSTRUCTIONS CAREFULLY BEFORE ATTEMPTING INSTALLATION



**IMPORTANT:** Use a dielectric compound on all connections to prevent corrosion.

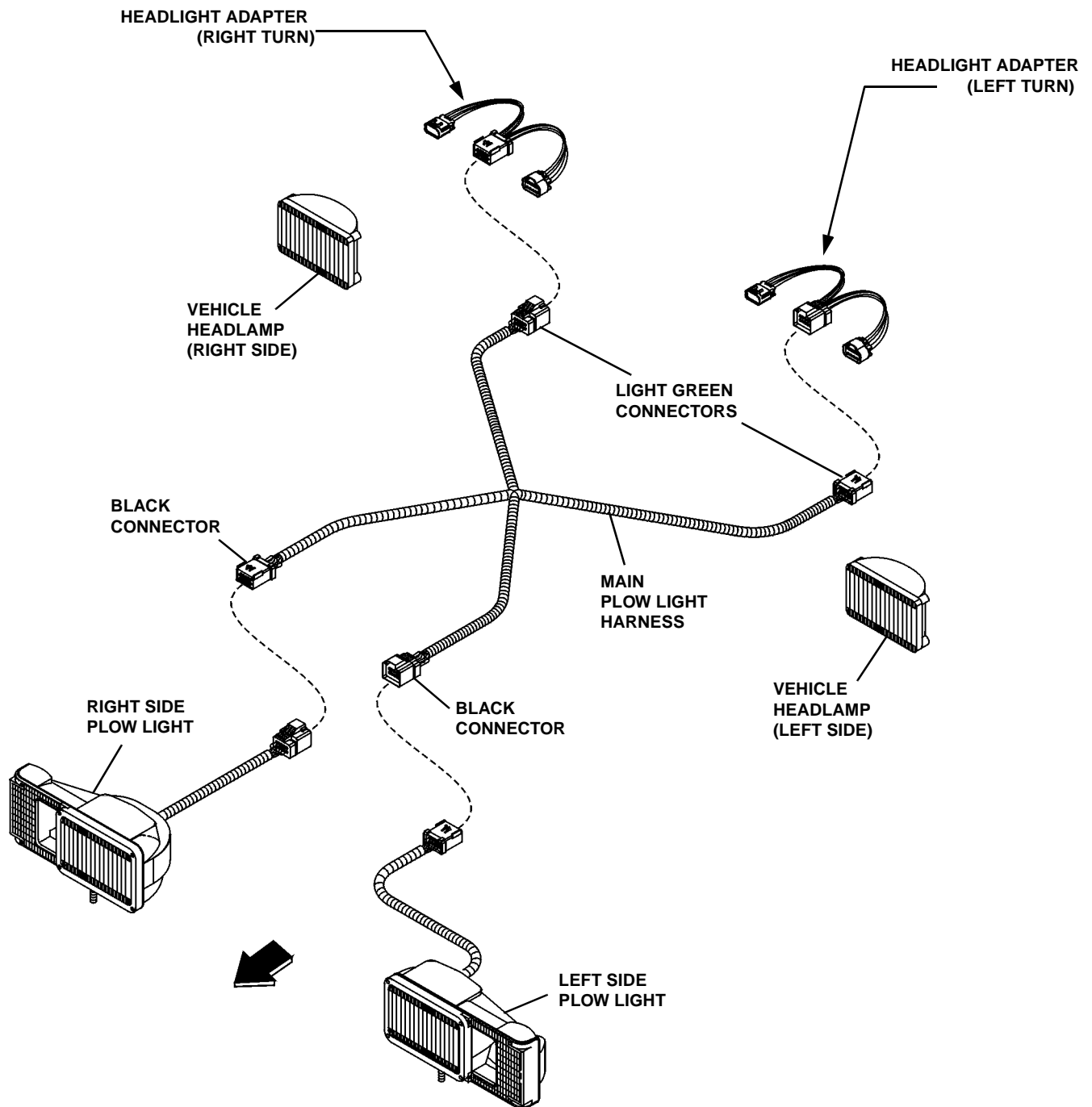


Figure 1

## Headlight Adapter Schematic - Female (96111606) (Driver's Side)

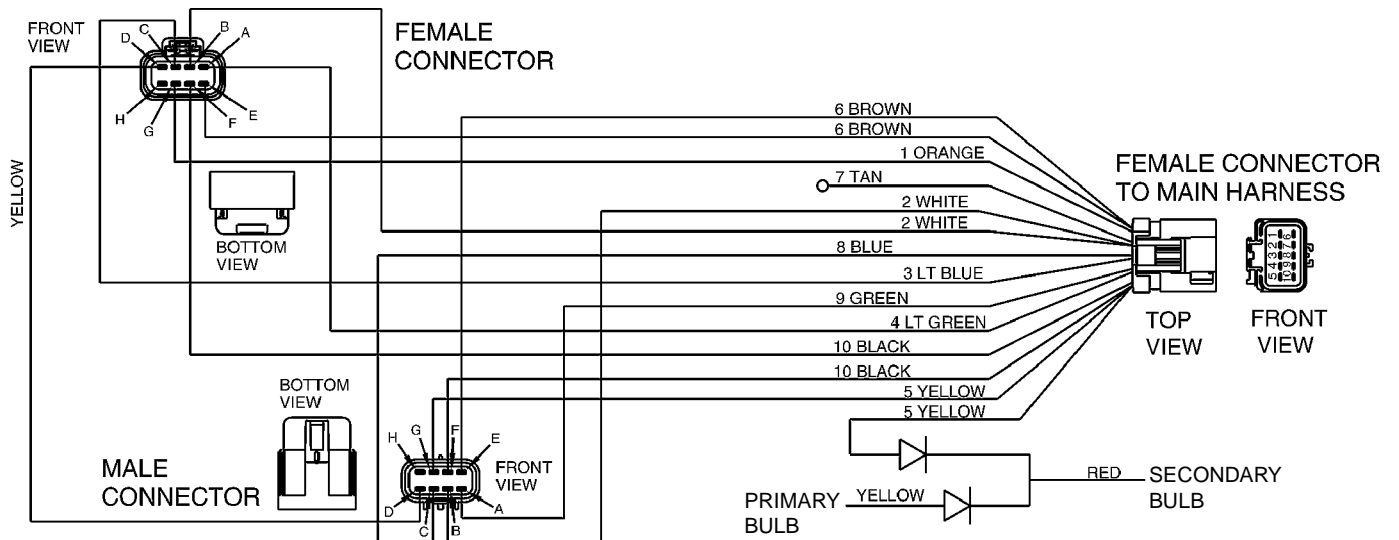


Figure 2

## Headlight Adapter Schematic - Male (96111607) (Passenger's Side)

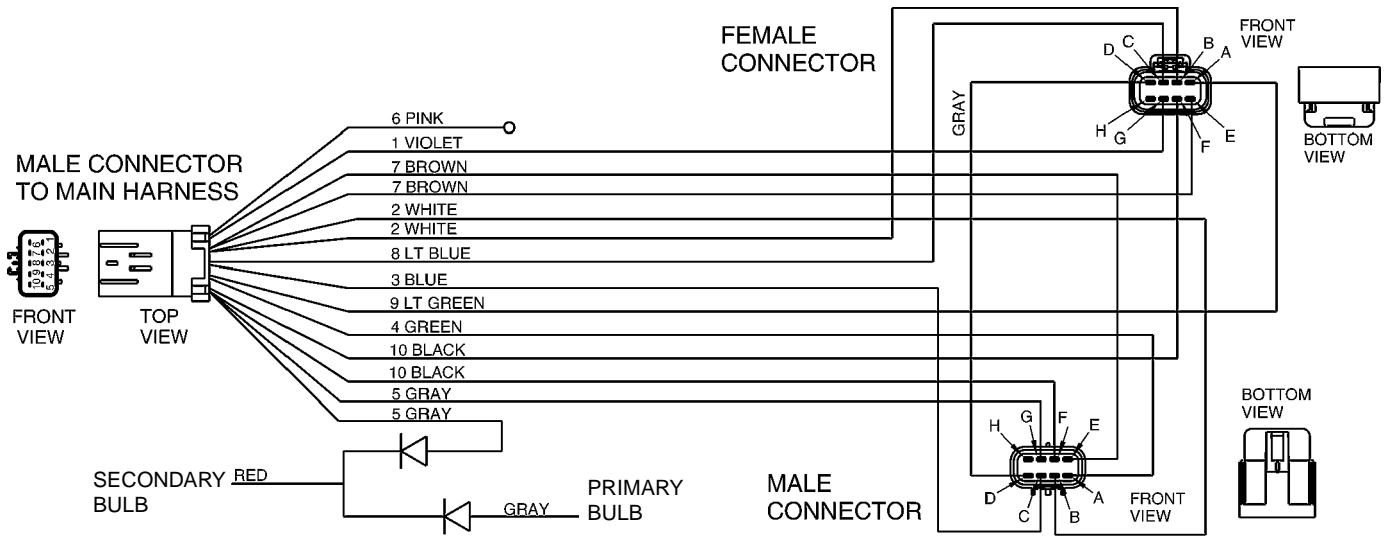


Figure 3

## ADAPTER KIT INSTALLATION (Refer to Wiring Diagram)

Prior to installation:



### CAUTION

- THE FOLLOWING STEPS **MUST** BE FOLLOWED BEFORE INSTALLING ADAPTER KIT.

1. You must first determine what vehicle this adapter is being installed on. In efforts to reduce the number of components carried by our dealer network, we have opted to keep a common 99100929 adapter that is to be modified as necessary based on application. For reference purposes, you can refer to your 99100929 adapter with or without the diode kit.
2. If you are installing the 99100929 on a Chevrolet or GMC Pickup truck you must first modify the EIS headlamps by removing a wire from each side of the headlamp pods, go to step 10. If you are installing on a Chevrolet Avalanche, Suburban or Tahoe, you must first remove the diode kit from the 96111606 and 96111607 adapters. Continue on to step 3.
3. Remove pin locks from the green male and female connectors on the 96111606 and 96111607 adapters.
4. Using Pin Removal Tool 96108632 (not supplied) or equivalent tool, remove yellow wire (pin 5) from green female connector.

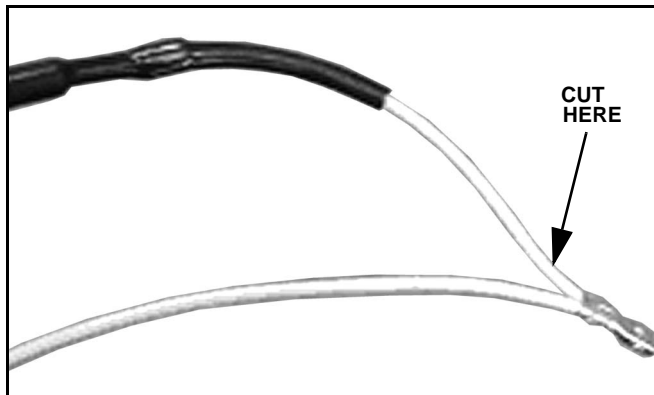


Figure 4

5. Remove yellow wire containing diodes from adapter by cutting wire just behind the terminal crimp (See Figure 4.). The idea is to eliminate the diode kit from the adapter harness.
6. Next remove gray wire (pin 5) from green male connector.

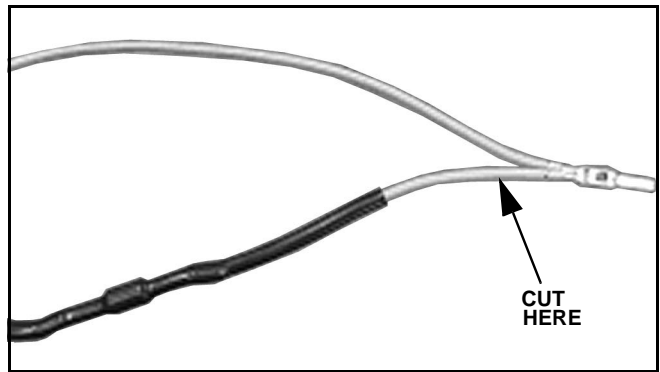


Figure 5

7. Remove gray wire containing diodes from adapter by cutting wire just behind the terminal crimp (See Figure 5.). The idea is to eliminate the diode kit from the adapter harness.
8. Insert pins into their respective cavities and discard the section with the diodes that was removed.
9. Reinstall pin locks removed in step 3 and continue with installation by going to **Installation - Driver's Side:**
10. Review your headlamp pod (96107893) wiring prior to installing the 99100929 adapter.
11. Locate the driver side plow headlamp housing. Inspect the black male 10 pin connector. If the violet wire is present in pin location 1 it must be removed as part of the remedy to the fast flash condition on the vehicle. It is important that you remove this wire from the connector, looming, and internal plow headlamp pod. Once this is completed, the new headlamp part number for reference is 96111609.
12. Locate the passenger side plow headlamp housing. Inspect the black female 10 pin connector. If the orange wire is present in pin location 5, it must be removed as part of the remedy to the fast flash condition on the vehicle. It is important that you remove this wire from the connector, looming, and internal plow headlamp pod. Once this is completed, the new headlamp part number for reference is 96111628.
13. The new headlamp pod kit part # is 96111608.

*NOTE: There is no interchangeability in the adapter components. Driver and passenger harnesses must each be installed on the correct side in order for each to work properly.*

## Installation - Driver's Side:

1. Remove the headlamp housing.
2. Locate the driver's side adapter and differentiate it from the passenger's side adapter. The driver's side adapter is the one with a yellow wire in it. The passenger's side adapter is the one with a gray wire in the position where the driver's side has a yellow wire.
3. On the main snow plow light harness, locate the light green driver's side connector. Take the driver's side adapter and locate the light green connector compatible with the green connector on the main snow plow light harness. Plug the green adapter connector and the green main harness connector together.
4. The headlamp housing already has a truck manufacturer's adapter installed on it. Prior to disconnecting any wires from the vehicle's adapter you must prep the vehicle's adapter to receive the snow plow adapter. There are two turn/run bulbs within the headlamp housing—one primary and one secondary. Locate the secondary turn/run bulb—it's the one with four wires attached to it. (The primary bulb has 6 wires running to it.) Within those four wires, locate the turn signal source wire. At a suitable distance from the turn signal socket, cut the turn signal source wire—you need enough wire on each side of the cut to accommodate the attachment of a butt splice.
5. Within the driver's side snow plow adapter, locate the red wire with an open ended butt splice crimped onto it. Crimp the open end of the butt splice on to the wire going back to the secondary turn signal bulb that you cut in Step 4.
6. Within the driver's side snow plow adapter, locate the yellow wire with an open ended butt splice crimped onto it. Crimp the open end of the butt splice on to the wire coming from the primary bulb vehicle harness that you cut in Step 4. This completes the diode integration on the driver's side.
7. Note again, as in Step 4: The headlamp housing already has a truck manufacturer's adapter installed on it. The wires from the various lights in the lamp housing converge in a large rectangular 8 terminal connection. Locate this connection and pull it apart.
8. The 8 terminal lamp side and truck side connectors which you just pulled apart each have 8 terminal mates in the snowplow adapter harness. In the snowplow adapter harness locate the connectors compatible with the 8 terminal lamp side and truck side connectors that you just pulled apart in the vehicle harness. Plug the lamp side and truck side connectors within the vehicle harness into the corresponding 8 terminal connectors within the snowplow adapter harness. Driver's Side installation should now be complete.

## Installation - Passenger's Side:

1. Locate the passenger's side adapter set aside in "Installation - Driver's Side:", Step 2.
2. On the main snow plow light harness, locate the light green passenger's side connector. Take the passenger's side adapter and locate the light green connector compatible with the green connector on the main snow plow light harness. Plug the green adapter connector and the green main harness connector together.
3. As on the driver's side, the passenger's side headlamp housing already has a truck manufacturer's adapter installed on it. Prior to disconnecting any wires from the vehicle's adapter you must prep the vehicle's adapter to receive the snow plow adapter. There are two turn/run bulbs within the headlamp housing—one primary and one secondary. Locate the secondary turn/run bulb—it's the one with four wires attached to it. (The primary bulb has 6 wires running to it.) Within those four wires, locate the turn signal source wire. At a suitable distance from the turn signal socket, cut the turn signal source wire—you need enough wire on each side of the cut to accommodate the attachment of a butt splice.
4. Within the passenger's side snow plow adapter, locate the red wire with an open ended butt splice crimped onto it. Crimp the open end of the butt splice on to the wire going back to the secondary turn signal bulb that you cut in Step 3.
5. Within the passenger's side snow plow adapter, locate the gray wire with an open ended butt splice crimped onto it. Crimp the open end of the butt splice on to the wire coming from the primary bulb vehicle harness that you cut in Step 3. This completes the diode integration on the passenger's side.
6. Note again, as in Step 3: The headlamp housing already has a truck manufacturer's adapter installed on it. The wires from the various lights in the lamp housing converge in a large rectangular 8 terminal connection. Locate this connection and pull it apart.
7. The 8 terminal lamp side and truck side connectors which you just pulled apart each have 8 terminal mates in the snowplow adapter harness. In the snowplow adapter harness locate the connectors compatible with the 8 terminal lamp side and truck side connectors that you just pulled apart in the vehicle harness. Plug the lamp side and truck side connectors within the vehicle harness into the corresponding 8 terminal connectors within the snowplow adapter harness. Passenger's side installation should now be complete.



## CAUTION

**Make sure that wire harness is routed away from all moving engine components.**

**Example; fan, belts etc.**

**DO NOT attach wire harness to hoses, radiator AC coils, exhaust manifolds, or control cables.**

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**SNO-WAY® INTERNATIONAL, INC.**



Hartford, WI 53027 USA  
Website: [www.snoway.com](http://www.snoway.com)  
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