



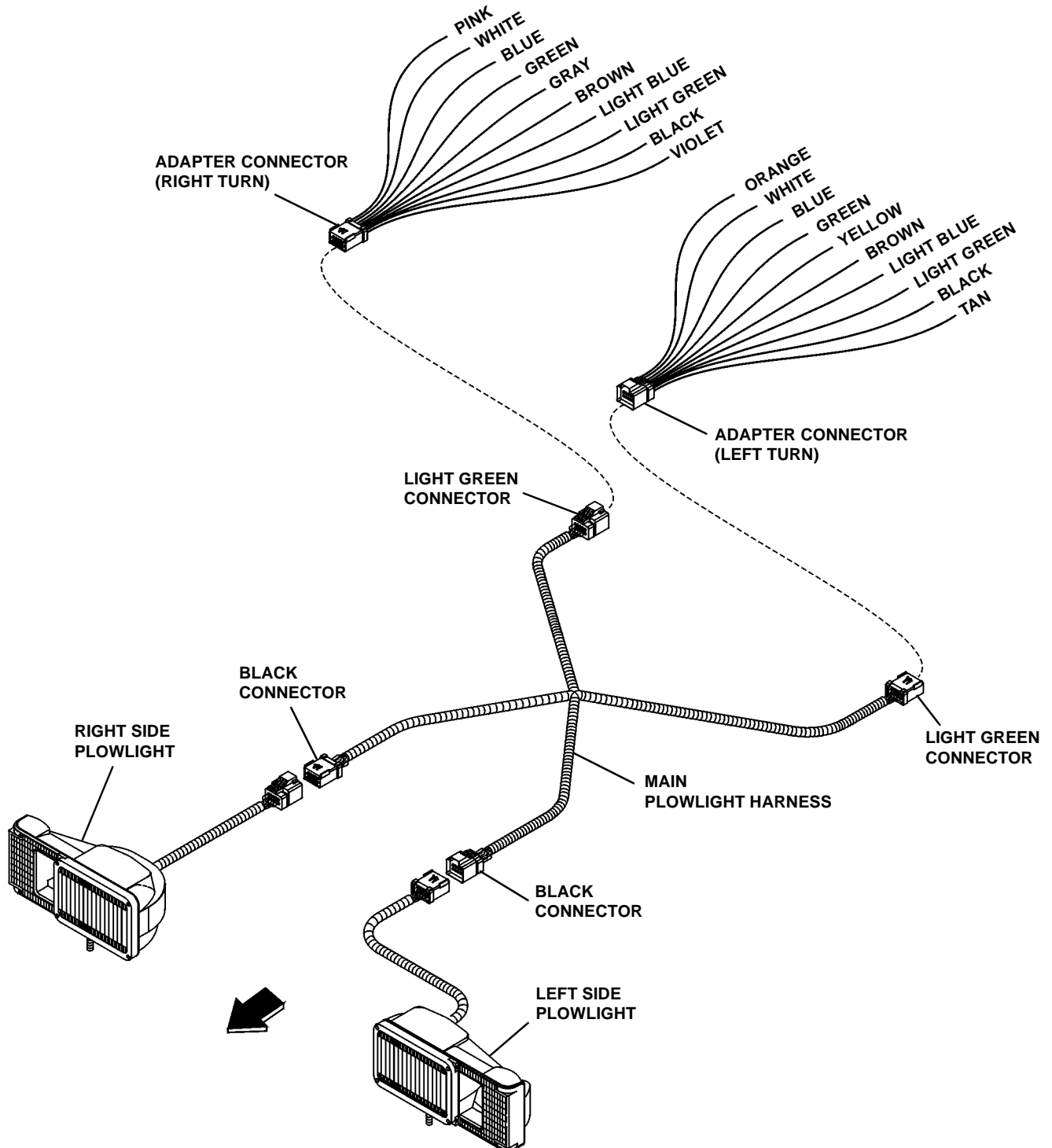
**Adapter Kit  
Wiring Diagram  
&  
Installation Instructions**

**FOR 99100918 ADAPTER KIT**

# WIRING DIAGRAM



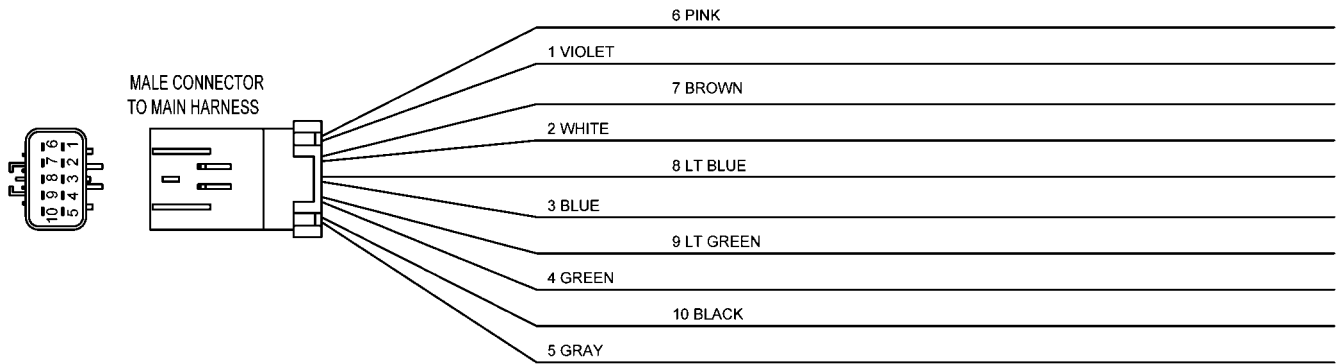
1. THINK SAFETY, ALWAYS WEAR SAFETY GLASSES WHEN PERFORMING THE OPERATIONS PRESCRIBED IN THESE INSTRUCTIONS
2. READ ALL INSTRUCTIONS CAREFULLY BEFORE ATTEMPTING INSTALLATION



## Headlight Adapter Schematic - Female (96108249)



## Headlight Adapter Schematic - Male (96108250)



## ADAPTER KIT INSTALLATION (Refer to Diagram)



### CAUTION

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

**IMPORTANT:** Use a dielectric compound on all connections, including Scotch-Lock® connectors, to prevent corrosion.

#### Prior to Installation:

1. Locate the driver side plow headlamp harness. 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 and looming.
2. Locate the driver side plow headlamp harness. Inspect the black male 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 and looming.

#### Installation:

1. Disconnect the vehicle headlight electrical connector from the back of the vehicle headlamps.

*NOTE: In order to disconnect some vehicle headlight connectors, it may be necessary to remove the headlamp assembly from the front of the vehicle, if the connector is not easily accessible.*

2. Plug together the light green connectors on the main harness with the corresponding adapters needed for the vehicle. The driver's side connection has a yellow wire and the passenger side has a gray wire.

**IMPORTANT:** The correct adapters must be connected to each side for proper function.

3. On the driver's side (Left Turn):
  - A. Locate the low beam source wire behind the vehicle headlamp. At a suitable distance back from the headlamp, cut the wire and using a butt connector, connect the light green adapter wire to the wire going back to the headlamp. Using another butt connector, connect the green adapter wire to the wire coming from the vehicle harness.
  - B. Locate the high beam source wire behind the vehicle headlamp. At a suitable distance back from the headlamp, cut the wire and using a butt connector, connect the light blue adapter wire to the wire going back to the headlamp. Using another butt connector, connect the blue adapter wire to the wire coming from the vehicle harness.
  - C. Locate the low beam common wire on the vehicle harness. Using a Scotch-Lock® connector, splice the white adapter wire to the common wire.
  - D. Locate the left turn signal source wire on the vehicle harness. At a suitable distance back from the headlamp, cut the wire and using a butt connector, connect the orange adapter wire to the wire going back to the

headlamp. Using another butt connector, connect the yellow adapter wire to the wire coming from the vehicle harness.

- E. Locate the left park source wire on the vehicle harness:
    - i. If installing on a 2018 & Later Toyota Tundra, use a Scotch-Lock® connector to splice the brown adapter wire to the park source wire. Next, remove the tan wire from the adapter harness.
    - ii. If not installing on a 2018 & Later Toyota Tundra, at a suitable distance back from the headlamp, cut the wire and using a butt connector, connect the tan adapter wire to the wire going back to the headlamp. Using another butt connector, connect the brown adapter wire to the wire coming from the vehicle harness.
  - F. Locate the left park/turn common wire on the vehicle harness. Using a Scotch-Lock® connector, splice the black adapter wire to the vehicle park/turn common wire.
4. On the passenger side (Right Turn):
    - A. Repeat step 3A.
    - B. Repeat step 3B.
    - C. Repeat step 3C.
    - D. Locate the right turn signal source wire on the vehicle harness. At a suitable distance back from the headlamp, cut the wire and using a butt connector, connect the violet adapter wire to the wire going back to the headlamp. Using another butt connector, connect the gray adapter wire to the wire coming from the vehicle harness.
    - E. Locate the right park source wire on the vehicle harness:
      - i. If installing on a 2018 & Later Toyota Tundra, use a Scotch-Lock® connector to splice the brown adapter wire to the park source wire. Next, remove the pink wire from the adapter harness.
      - ii. If not installing on a 2018 & Later Toyota Tundra, at a suitable distance back from the headlamp, cut the wire and using a butt connector, connect the pink adapter wire to the wire going back to the headlamp. Using another butt connector, connect the brown adapter wire to the wire coming from the vehicle harness.
    - F. Repeat step 3F.
  5. Attach the main harness connectors to the right and left plow light headlamps. Turn on the vehicle lights and check operation. Check to make sure the vehicle headlights go out and plow headlights come on. Check park and turn signals.
  6. If disassembled, reassemble vehicle components.
  7. Secure the main harness to a safe location with electricians tape or plastic wire ties. Excess harness length should be neatly coiled and taped, or tied up out of the way.



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