



## Snow Plow Light Kit - Part Number 80900

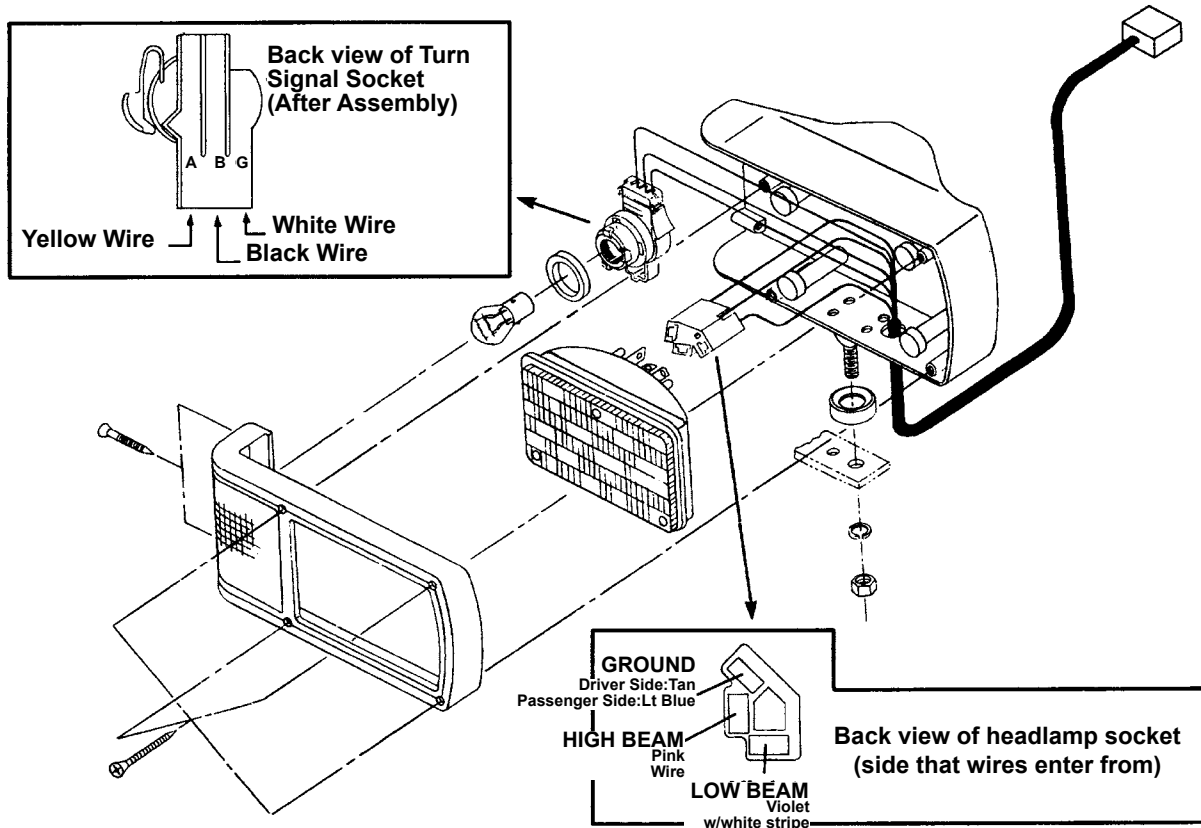
If vehicle headlamp type is not shown on headlight-adapter cross reference or if your vehicle is positive ground, you must use Truck-Lite ALT Kit 80800. Before starting installation, read all instructions carefully or call Tech Support: 888-562-5012

PARTS LIST			
ITEM	PART #	QTY	DESCRIPTION
1	80900	1	SNOW PLOW LIGHT KIT
2	80920	1	SNOWPLOW LIGHT, PASSENGER SIDE (NO HARDWEAR)
3	80910	1	SNOWPLOW LIGHT, DRIVER SIDE (NO HARDWEAR)
4	80930	1	VEHICLE WIRE HARNESS
5	80940	1	PARTS BAG CONTAINS:
5A		1	TOGGLE SWITCH WITH HARDWARE
5B		1	FLASHER
5C		3	3M CONNECTORS
5D		1	MOUNTING HARDWARE
6	SEE HEADLIGHT ADAPTER REF CHART AT RIGHT	1	ADAPTER SET

HEADLIGHT ADAPTER CROSS REFERENCE		
HEADLAMP TYPE	HEADLAMP/BULB NUMBERS	ADAPTER NUMBERS
HB5	H9007	80970
HB1	H9004	80971
2E	HP6545, H6545	80972
2D/2B	6014, H6024, H6014, 6052, H6054, HP6054	80973
1A/2A	4651, 4652, H4651, H4656, H4662	80974
LF/UF	H4701, H4703	80975
HB3/HB4	H9005, H9006	80976

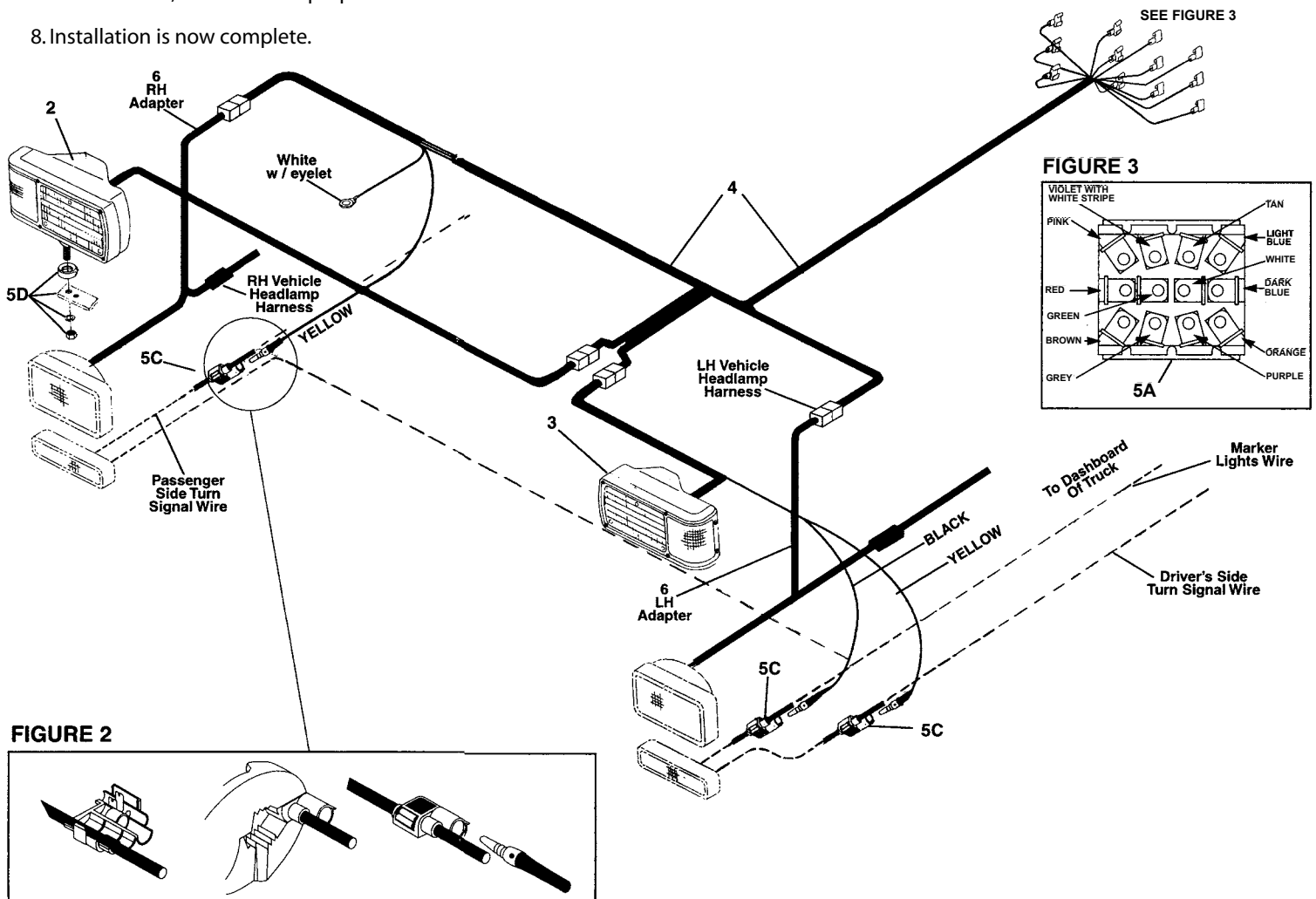
All items listed in 2 through 5D are included in the snow plow kit carton. Item 6 must be ordered separately. Adapter sets will vary depending on vehicle model and year.

If vehicle headlamp type is not shown on the chart above, Truck-Lite ATL Kit 80800 must be used.



# Installation Instructions

1. First Identify vehicle headlamp type per chart then install the adapter set (6) for the vehicle's headlamps. Specific instructions for each headlamp type are given in the special instructions section. The adapters are packaged separately. If your vehicle is positive ground, you must use a Truck-Lite light kit 80800.
2. Mount the lights (2 & 3) to the light brackets using supplied hardware. Note: After installation is complete, Snow Plow lights must be aimed to comply with Federal Motor Vehicle Safety Standard 108.
3. Route the wire harness (4) from the switch bracket on the dashboard to the front of the truck. If necessary, drill a hole in the firewall for the harness and protect it with the grommet. Locate the two plug branch of the harness in a convenient location for plugging in the lights (2 & 3). This is generally behind the grill and behind the radiator favoring the driver side of the vehicle. If the vehicle has no holes in the radiator support structure, the light harness can be routed down each side of the radiator and then brought back up behind the grill. The harness branch with the yellow and black single wire leads should be located near the driver side vehicle headlamp system, and branch with the white and yellow wire should be located near the vehicle passenger side headlamps.
- CAUTION:** It is important that the harness, all wires from the light switch, and all other electrical wires be routed around hot or moving engine parts, and any sharp sheet metal. Protection must be provided to guard against wire damage at these points. All excess or loose wires must be neatly secured using wire ties.
4. Install light switch (5A). Plug in wires from wire harness as shown in figure 3.
5. Attach the ground eyelet on the white wire to a good clean chassis ground.
6. Locate vehicle's marker light wire and right & left turn signal wires. Using the tap connectors (5C) provided, connect these wires as shown in figure 1 & 2. Install the heavy duty flasher (provided).
7. Verify that installation is correct by turning on the vehicle headlamps, and switching from high to low beam on the vehicle set, then switch over to the plow lamp headlamp set, and check for high and low beam. At any one time, only the plow or vehicle lights should be on, never both sets at once. Verify DRL headlamp function by turning off the vehicle headlamp switch and turning on the ignition key, starting the engine if necessary. You should have DRL function on only one headlamp set (either plow or vehicle, never both). Switch over to the other set, and check for proper function.
8. Installation is now complete.



## Special Instructions:

**For vehicles equipped with any of the following headlamps: Type 2D1 round, 178 mm (7.0 in.) or type 2B1 large rectangular, 142 mm x 200 mm (5.6 in. x 7.9 in). Sealed beam trade numbers: 6014, 6015, H6024, H5024, 6052, H6054, H5054 and 6053.**

This system will have a single sealed beam or a single bulb replaceable halogen bulb on each side of the vehicle. Use a Truck-Lite adapter set 80973. The adapter with the white wire is used on the driver side of the vehicle and the adapter with the dark blue wire is used on the passenger side. Remove the vehicle headlamp harness from the vehicle headlamp. This will expose the three male blades that are part of the sealed beam. Install the adapter by pushing the hard-shell containing the blade receptacle terminals onto the three blades of the headlamp. The other end of the adapter will have a hard-shell containing male blades similar to the blades on the sealed beam. Plug the vehicle harness that was removed from the headlamp into this hard-shell. The black hard-shell connector is then attached to the main harness. The procedure is the same for both sides of the vehicle, however, on the passenger side, the hard-shell containing the male blades will only have one blade in it.

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**For vehicles equipped with any of the following headlamps: Type 2A1-1A1 rectangular, 100mm x 165 mm (4.2 in. x 6.5 in.) or Type 2C1-1C1 round, 146mm (5.75 in.). Sealed beam trade numbers: 4651, H4651, HP4651, H5051, 4652, H4656, HP4656, H6052, H5006, H5506, 4000, 4040, 4001, H5001 and H5501.**

This system will have two sealed beam lamps on each side of the vehicle. One of these sealed beam lamps will have three male blades, and the other will have only two. The three blade lamp has both a high beam and a low beam, the two blade lamp is a high beam only. Use a Truck-Lite adapter set 80974. The adapter with the white wire is used on the driver side of the vehicle and the adapter with the dark blue wire is used on the passenger side. Remove the vehicle harness from the sealed beam having three blades. Install the adapter by pushing the hardshell containing three blade receptacle terminals onto this headlamp. Now remove the vehicle harness from the two bladed sealed beam. Install the two position hard-shell with blade receptacle terminals onto this sealed beam. The other end of the adapter will have a hard-shell containing male blades similar to the blades on the headlamp. Plug the vehicle harness that was removed from the three bladed headlamp is left unattached. The vehicle harness from the two bladed headlamp is left unattached. The black hard-shell connector is then attached to the vehicle, however, on the passenger side, the hard-shell containing the male blades will have only one blade in it.

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**For vehicles equipped with the following headlamps: Bulb replaceable halogen, single bulb per side. Bulb trade number 9007 or HB-5.**

This system will have only one headlamp on each side of the vehicle, and will have only one headlamp bulb on each side of the vehicle. The headlamp may be part of a composite unit having more than one bulb, but only one bulb per side is the headlamp bulb. Use a Truck-Lite adapter set 80970. The adapter with the white wire is used on the driver's side of the vehicle and the adapter with the dark blue wire is used on the passenger side. Remove the vehicle harness from the vehicle headlamp bulb.

CAUTION: The hard-shell will have a locking device that fastens it to the bulb. Care should be used to ensure that the locking device is not damaged. Attach the blue hard-shell on the adapter to the headlamp bulb. It will lock onto the bulb as the vehicle harness did. The other end of the adapter has a molded socket which is an imitation of the bulb's connector portion. The vehicle harness should lock onto this socket. The black hard-shell connector is then attached to the main harness. The procedure is the same for both sides of the vehicle.

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**IMPORTANT!** For vehicles equipped with the following headlamps: Bulb trade number 9004 or HB-1.

The procedure is exactly the same as for the 9007 bulb, except use a Truck-Lite adapter set 80971 instead of 80970. These adapter sets look the same, but are not interchangeable. 80971 must be used only with 9004 bulbs, and 80970 must be used only with 9007 bulbs.

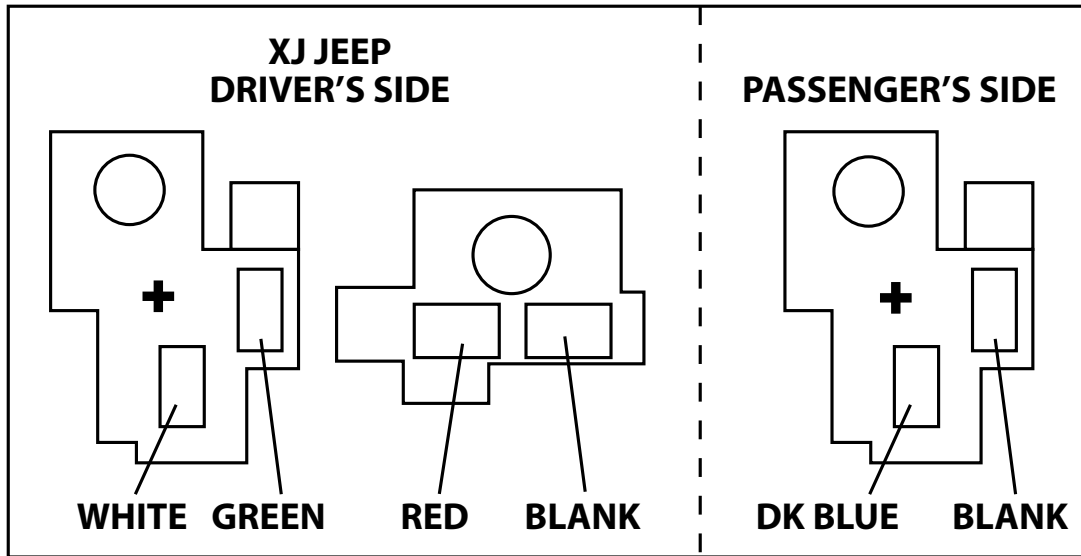
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**For vehicles equipped with the following headlamps: Bulb replacement halogen, two bulbs per side. Bulb trade number 9005 and 9006, or HB-3 and HB-4.**

This system will usually have a composite headlamp on each side of the vehicle, with each headlamp having two headlamp bulbs. There may be others in the composite, but there will be only two headlamp bulbs per side. One bulb will be high beam and the other will be low beam. Use a Truck-Lite adapter set 80976. The adapter with the white wire is used on the driver side and the adapter with the dark blue wire is used on the passenger side. Remove the vehicle harness hard-shell plugs from each lamp and replace them with the hard-shell plugs on the adapter. They are keyed and cannot be assembled incorrectly. The hard-shells on the vehicle harness are then plugged into the female hard-shells on the adapter. These are also keyed and cannot be assembled incorrectly. The black hard-shell connector is then attached to the main harness. The procedure is the same for the passenger side.

**For vehicles equipped with the following headlamps: Type LF-UF rectangular, 92mm x 150mm (3.6 in. x 5.9 in.). Sealed beam with trade numbers H4701 and H4703.**

This system will have two sealed beam headlamps on each side of the vehicle. Both sealed beams will have two small blade terminals, however one will have the two blades aligned and the other will have the two blades staggered. The lamp marked LF is the low beam and the lamp marked UF is the high beam. Use a Truck-Lite adapter set 80975. The adapter with the white wire is used on the driver side and the adapter with the dark blue wire is used on the passenger side. Remove the hard-shells from the sealed beam lamps and plug the adapter hardshells onto the sealed beams. Following figure 4, push the blade terminals into the proper location of the vehicle harness hard-shells. There will be three wires to place on the driver side. The black hard-shell connector is the attached to the main harness. The procedure is the same for the passenger side, except that there is only one wire to place in the vehicle hard-shell. Figure 4 will identify which position and which hard-shell.



**For vehicles equipped with the following headlamps: Type 2E1 rectangular, 100mm x 165mm (9.42 in. x 6.5 in.). Sealed beam trade numbers H4666, H6545 and HP6545.**

This system will have one sealed beam headlamp on each side of the vehicle. Each headlamp will have three male blade terminals. Use a Truck-Lite adapter set 80972. The adapter with the white wire is used on the driver side of the vehicle and the adapter with the dark blue wire is used on the passenger side of the vehicle. Remove the vehicle harness from the headlamp. Install the adapter by attaching the hard-shell on the adapter to the headlamp. Plug the three blade terminals into the proper locations on the vehicle harness hard-shell as shown in figure 5. The black hard-shell connector is then attached to the main harness. The procedure is the same for the passenger side except that there is only one blade terminal to be inserted into the vehicle harness hard-shell.

