Bud-Lite Instructions Sheet

The Bud-Lites light package contains one complete lights system that will provide additional powerful halogen lighting for night-time work.

There are five (5) parts to the Bud-Lites system. These parts have been completely assembled except for the switch and final connections to the vehicle battery. Please read all instructions thoroughly before starting the installation.

**Exterior Lamp Connection and Mounting**

1) Locate the bag marked "Mounting Hardware". This hardware is to be mounted to the snow plow lift frame already installed on the vehicle. Once the hardware is mounted and securely fastened, you are ready to mount the "Bud-Lites" to these mounting brackets. See Figure #1.

2) Carefully remove the lamp units (Item 1) from the carton. These units are completely assembled with the wire harness attached. Mount the Bud-Lites using the bolts already on the light assembly. Refer to Figure #1.

3) The Bud-Lites have a harness already connected to the light units. Mount the harness from each light carefully along the plow lift frame so that the four-way connector meets at the bottom of the plow lift frame and at the grill of the vehicle. See Figure #2.

4) Using 3 of the the nylon tie wraps (Item 8) provided, securely fasten the wiring harness to the plow lift frame bracket (Figure 1). Keep the end of the wire harness in an easily accessible spot on the vehicle grill to mate with the wire harness inside the vehicle.

**CAUTION:** It is important that the Meyer harness, all wires from the Meyer light switch, and all other electrical wires be routed around hot, sharp sheet metal or moving engine parts. Protection must be provided to guard against wire damage at these points. All excess or loose wires must be neatly secured using wire ties.

**Interior Harness Connection**

4) Locate the bag marked "Wire Harness".
   a) Connect the harness (Item 2) and use 2 of the nylon tie wraps (Item 8) to fasten to the grill.
   b) Fasten the two connectors together and make sure that the connectors "lock" with the locking tabs.
   c) Locate the black wire (Item 4) on the wire harness. Fasten the forked terminal (Item 6) to the end of the black wire. Securely fasten the black wire to the chassis of the vehicle using a #10 screw (Item 7).
   d) Make sure that the connection is free of dirt, grease or paint.
   e) Attach disconnect (Item 5) to red wire (Item 3) on the wire harness. This wire may be shortened if it is too long.

5) Locate the bag marked "Relay".
   a) Plug the red fused wire (Item 10) to terminal 30 on the relay. (Item 9)
   b) Plug the black wire (Item 12) to terminal 86 on the relay.
   c) Plug the orange wire (Item 11) to terminal 85 on the relay.
   d) Plug the red wire (Item 3) from the interior wire harness to terminal 87 on the relay.
   Refer to Figure #5.

6) a) Securely fasten the relay to the fender of the vehicle using the bracket and with the #10 screw (Item 14) provided. Make sure it is close to the battery and mounted with all terminals facing down.
   b) Take the end of the fused red wire (Item 10) and mount it to the positive terminal of the battery using the ring terminal (Item 13) provided. Make sure it is a clean connection. Tighten securely but do not overtighten.
   c) Take the end of the black wire (Item 12) and fasten the forked terminal (Item 15) at the end. You may shorten this wire if it is too long. Securely fasten to chassis using the #10 screw (Item 14). Make sure that the connection is free of dirt, grease or paint.
   d) Take the orange wire (Item 11) and carefully route to the passenger compartment. Look for an opening that will allow a single wire to pass through.

**Switch Mounting**

7) Locate the bag marked "Switch".
   a) Locate a position that is close to the operator of the vehicle, close to a 12Vdc power source (fuse panel) and a location for ground.
   b) Using two #10 screws (Item 21) provided, mount the switch plate (Item 17) to the dash. Mount the decal (Item 18) to the switch plate.
   c) Push the wires through the opening of the switch plate, one red wire (Item 19), the orange wire (Item 11) that came from the engine compartment and the black wire (Item 20). Refer to Figure #2.

When ordering parts, furnish Part No., Name, and Description. Also furnish Vehicle Model and Year.

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d) Securely fasten the red wire (Item 19) to the terminal marked power on the switch (Item 16).

e) Securely fasten the black wire (Item 20) to the terminal marked ground on the switch (Item 16).

f) Attach disconnect (Item 24) to the end of the orange wire (Item 11). You may cut this wire to the proper length if needed. Securely fasten the orange wire to the accessory terminal on the switch.

g) Push the switch (Item 16) and the three wires back through the opening in the switch plate. Securely seat the switch to the switch plate so that it does not move. Figure #2.

h) Attach tap splice connector (Item 23) to a wire that has 12Vdc available when ignition is "on" (Figure 4).

i) Securely attach bullet connector (Item 22) to red wire (Item 19). Plug the bullet connector (Item 22) into the tap splice connector (Item 23) Make sure it is firmly seated.

j) Securely attach forked terminal (Item 25) to the black wire (Item 20). This wire may be shortened if it is too long. Securely fasten to chassis under the dash using the #10 screw (Item 21). Make sure connection is free of paint, grease or dirt.

8) Verify that the installation is correct by turning on the ignition of the vehicle. With the vehicle running, turn the rocker switch to the on position. The rocker switch should illuminate and the Bud-Lites should be on. Turn the switch off and the lights should turn off. The installation is complete.

If the lights do not turn on, check all connections thoroughly and make sure there is a good ground to the system and the fuse is intact.

NOTICE
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