

# Installation and Operating Instructions For Snowplow Lights With Turn Signals

1. Light should be mounted in the desired location on the Snowplow frame.

## 2. Wire Preparation:

Cut 19Ft. RED wire coil into:

- a. 8 Ft. length - Strip  $\frac{1}{2}$ " both ends.
- b. 4 Ft. length - Strip  $\frac{1}{2}$ " both ends.
- c. 4 Ft. length - Strip  $\frac{1}{2}$ " both ends.
- d. 3 Ft. length - Strip  $\frac{1}{2}$ " both ends.

Cut 22Ft. BLACK wire coil into:

- e. 8 Ft. length - Strip  $\frac{1}{2}$ " both ends.
- f. 4 Ft. length - Strip  $\frac{1}{2}$ " both ends.
- g. 4 Ft. length - Strip  $\frac{1}{2}$ " both ends.
- h. 3 Ft. length - Strip  $\frac{1}{2}$ " both ends.
- i. 3 Ft. length - Strip  $\frac{1}{2}$ " both ends.

## 3. Wiring Installation (Refer to Fig. 1)

**Wiring Toggle Switch:** Connect the end of the two (2) 8 Ft. wires ("A & E") and the four 4Ft. wires ("B,C, F & G") to the proper TAB terminals of the Toggle Switch. See Fig. 1. Connect all High Beam wires to one side of the switch, and all Low Beam wires to the opposite side.

**Connecting Dimmer Switch:** Break connection between high and low terminals of vehicle dimmer switch and vehicle headlamps. Wires can either be cut for future splicing into snowplow light wiring or disconnected at the dimmer switch terminals. Connect with wire nuts the two 4Ft. black wires (F & G) from toggle switch terminals "Y" and two 4Ft. red wires (B & C) from terminals "X" to proper terminals of dimmer switch on floor. See Fig. 1.

**Note:** High Beam indicator lamp Hot wire must be connected between dimmer switch and toggle switch Red wire ("B").

**Routing Through Firewall:** If no access holes are available in the firewall, drill a  $\frac{3}{8}$ " diameter hole in the firewall at the most convenient location. Insert the rubber grommet (included) in the drilled hole to protect the wire insulation and pull the 2 8Ft. wires into engine compartment.

**Connecting New Headlamps:** Connect the 8Ft. Red wire ("A") together with the two Red wires from the Snowplow light with a wire nut. Connect the 8Ft. Black wire ("E") together with the two Green wires from the Snowplow light with a wire nut.

### Connecting New Turn Signals:

**For Right Turn Signal;** Connect 3Ft. Black wire ("H") to the Blue wire from the right Snowplow light with a wire nut. Connect the other end to the existing right turn signal wiring at any point with a wire nut, as shown in Fig. 1.

**For Left Turn Signal;** Connect 3Ft. black wire ("I") to the Blue wire from the left Snowplow light with a wire nut. Connect the other end to the existing left turn signal wiring at any point with a wire nut, as shown in Fig. 1.

**Connecting New Lamps:** Connect 3Ft. Red wire ("D") together with the two Yellow wires from the Snowplow light with a wire nut. Connect the other end to the existing Park Lamp wiring at any point with a wire nut, as shown in Fig. 1.

**Grounding:** Locate a suitable grounding point(s) and connect the white wire (if present) from each lamp.

**Insulating:** Insulate ALL electrical connections thoroughly where the possibility of bare wire contact with vehicle sheet metal exists.

**Checking:** Check for proper operation.

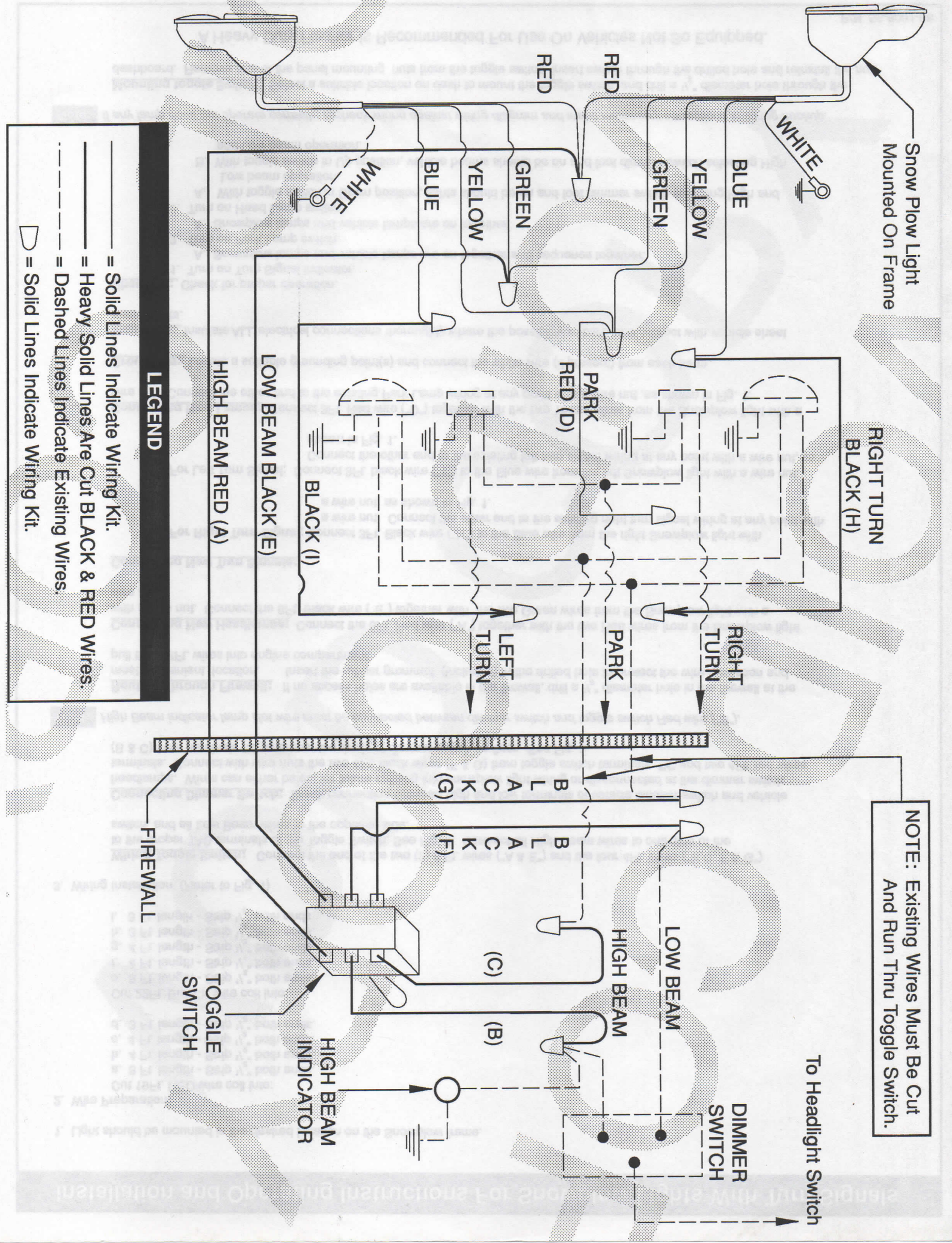
1. Turn on Turn Signal indicator.
  - A. Snowplow lamps and vehicle lamps are on together and sequence together.
2. Turn on Park Lamp switch.
  - A. Snowplow lamps and vehicle lamps are on together.
3. Turn on Head Lamp switch.
  - A. With toggle switch in Down position, lights should be on and foot dimmer switch selecting High and Low beam operation.
  - B. With toggle switch in Up position, vehicle beams should be on and foot dimmer switch selecting High and Low beam operation.

**Note:** If any lamp does not operate correctly, recheck wiring against wiring diagram and make necessary corrections in wiring hookup.

**Mounting toggle Switch:** Select a suitable location on dash to mount the toggle switch, and drill a  $\frac{1}{2}$ " diameter hole through the dashboard. Remove one of the panel mounting nuts from the toggle switch, insert switch through the drilled hole and reinstall the nut.

A Heavy Duty Flasher Is Recommended For Use On Vehicles Not So Equipped.





Snow Plow Light  
Mounted On Frame

RIGHT TURN  
BLACK (H)

WHITE

BLUE

YELLOW

GREEN

RED

RED

GREEN

YELLOW

BLUE

WHITE

HIGH BEAM RED (A)

LOW BEAM BLACK (E)

PARK  
RED (D)

BLACK (I)

LEFT  
TURN

PARK

RIGHT  
TURN

NOTE: Existing Wires Must Be Cut  
And Run Thru Toggle Switch.

To Headlight Switch

DIMMER  
SWITCH

LOW BEAM

HIGH BEAM

(B)

(C)

B L A C K (G)

B L A C K (F)

HIGH BEAM  
INDICATOR

TOGGLE  
SWITCH

FIREWALL

**LEGEND**

— = Solid Lines Indicate Wiring Kit.

— = Heavy Solid Lines Are Cut BLACK & RED Wires.

- - - = Dashed Lines Indicate Existing Wires.

— = Solid Lines Indicate Wiring Kit.