

# Installation Instructions Blizzard Dynamics U.S. Patent # 9,902,312

We offer installation kits for your Plow. B-D install part # 112 B-D113. The kit includes the necessary wiring, clamping and fastening items needed. Marine grade heat shrink tubing, tie wraps and conduit included. Ask for details. We also have the accessories that will enhance your investment including storage socks, side strobes and remote dimmers.

INSTALLATION VIDEO ( Coming Soon )



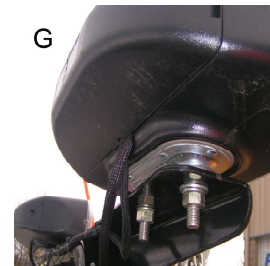
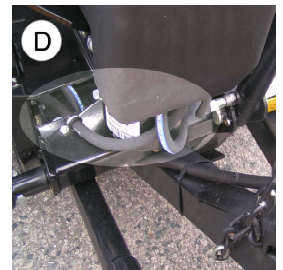
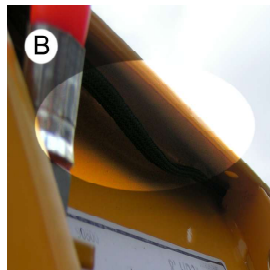
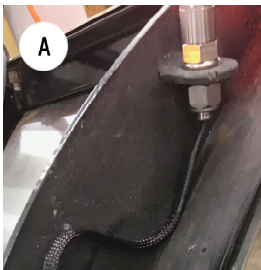
## Straight Blades:

**1)** Insert the wire and illuminated marker through the mounting tab, **(Fig. A)** Partially tighten. ( Both Sides).Some plows may need to add a 90° mounting bracket (Fastenal part# 11137345).\*If you need to drill a hole for mounting the illuminated Markers, 9/16" will work nicely. The Installation fastener is 1/2" diameter.

*\*The install can also be done using one headlight. After installing the wire and marker to the plow blade, connect both markers with one + and - wire straight across the top of the plow blade.*

**(Fig. B)** Strip the wires partially in the middle of the plow blade, tap in and connect at the pivot point ( Left to right) and route the wire to the desired side of the headlight assembly.

Pre-size the wiring needed to travel from the marker, to the headlamp assembly.**(Fig. C)** Open the headlight assembly cover on one side. Using a test light, locate the parking light hot wire, as well as the ground. Tap into this power source by stripping the wire partially, or cut the wire and connect using connectors and heat shrink wrap. Dimmer ( If applicable) Connect the + and - wires to the input side of the dimmer to the hot wire on the parking light, as well as the ground.



Route the wiring harness length needed to travel from the headlight assembly. Install this wire into 3/8 heater hose, using the hose as a conduit protector for pivoting motion and pinch areas. **(Fig. D)** The two most important areas for conduit are, from the pivot point, left to right, and also the up and down motion on the plow. **(Fig. E)** Leave slack until final fitting of the system and trimming at the final steps of installation. I suggest using the appropriate heat shrink wrap at the ends of the conduit where the hose meets the wire, keeping water from entering the harness. **(Fig. F)** It is also recommended to use an expandable sleeving conduit on the wires that are routed into the plow light assembly for extra strength and fit and finish. NTE part number 04-ES 250.**(Fig. G)**

**Dimmer:** Connect the wiring harness from the plow frame to the + and - on the output jack on the dimmer in the headlight assembly. Wrap the Dimmer control box in bubble wrap, protecting the unit from shock and plowing abuse. Close headlight assembly covers.

Tidy the assembly and wiring, leaving some slack to accommodate the shaking of the plow. Do not over tighten the harness. It requires some slack to accommodate the rough conditions of plowing.

Using tie wraps, fasten the wires and conduit in the pinch free areas of the plow frame.

Test and examine range of motion.

Turn on the parking lamps to test the unit. Adjust the marker so that the LED strip (Brighter Side) faces forward to oncoming traffic, not towards the operator of the Plow. (Note: The Blizzard Dynamics Label on the marker should face driver/vehicle.) Tighten the marker fully after the desired angle is correct.