



# INSTALLATION INSTRUCTIONS

## SAFETY DROID™ Model 1500

Your purchase of a WOLO SAFETY DROID is a perfect choice to warn pedestrians and bystanders when in the path of an oncoming forklift, providing a powerful safety warning light. If you need help installing this product, our technicians are available to answer your questions, Monday through Friday from 9 AM to 4 PM EST by calling 1-888-550-HORN (4676).

Before installation of the SAFETY DROID is attempted, it is important to read these instructions completely. The lives of people are dependent on a proper installation of the approaching forklift. The person installing this SAFETY DROID must have knowledge of the proper method for mounting and securing the safety warning light to the equipment, as well as knowledge of the forklift's electrical system. Again, read the installation instructions completely and note any messages marked "**IMPORTANT**" or "**WARNING**". A safe installation will prevent serious injury or damage to the equipment.

**IMPORTANT:** Most forklifts have an overhead guard, which has pre-drilled holes for work lights. The installer will select a mounting location on the overhead guard facing the front or rear of the forklift. Depending on whether the safety light is desired to project facing forward or backward when the forklift is in operation. For best protection it is recommended to use two SAFETY DROID'S, one facing forward and one facing to the rearward.

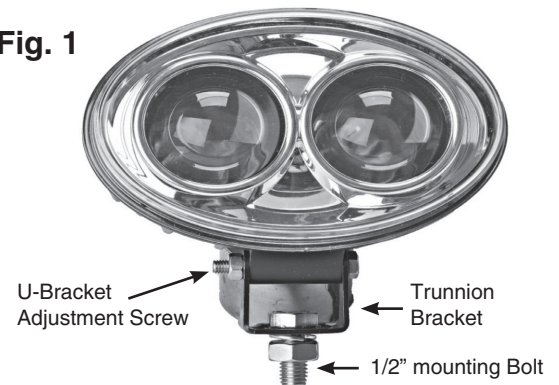
**IMPORTANT:** Before drilling any hole, the installer must carefully inspect the selected location to ensure that there are no components, wires and or any other parts that could be damaged. **WARNING:** The roof or overhead guard could have support members that span over the driver; NEVER drill into a support member!

**IMPORTANT:** The SAFETY DROID has an adjustable trunnion type bracket (u-bracket) that will mount with one bolt. This enables the installer or the forklift operator additional freedom to adjust, tightened and lock the warning light into any desired position once mounted.

### MOUNTING: Fig. 1.

1. Locate the desired mounting location, anywhere a 1/2" hole can be drilled. **WARNING:** The installer must inspect the selected location to ensure that there are no components, wires and or any other parts that could be damaged by drilling.
2. There is a threaded bolt that extends from the bottom of the warning light's mounting bracket, allowing a simple through-the-hole mount. See fig. 1. **IMPORTANT:** Do not fully tighten the 1/2" bolt until the warning light is wired and light beam can be adjusted.

Fig. 1



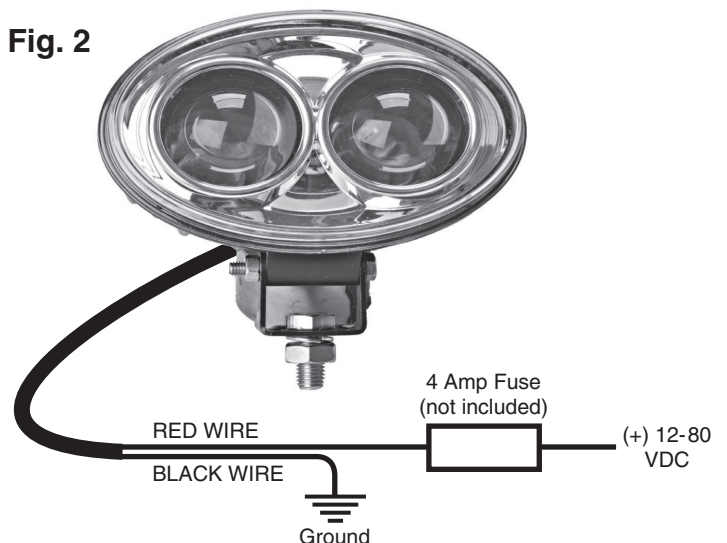
### WIRING FOR FORWARD FACING: Fig. 2.

3. **Red Wire:** Is connected to (+) positive power source when the forklift's ignition is turn on such as: fuse block or strobe light. A 4-ampere fuse is recommend to be installed at the power source, (fuse not provided).
4. **Black Wire:** Is connected (-) negative (body ground), such as: any metal body bolt or the forklifts (-) battery post. **IMPORTANT:** Make sure all connections are free from corrosion or oxidation.

### WIRING FOR REARWARD FACING: Fig. 2.

5. **Red Wire:** Is connected to (+) positive power source only when the forklift's is in reverse such as: back-up alarm or back-up lights. A 4-ampere fuse is recommend to be installed at the power source, (fuse not provided).
6. **Black Wire:** Is connected (-) negative (body ground), such as: any metal body bolt or the forklifts (-) negative battery post. **IMPORTANT:** Make sure all connections are free from corrosion or oxidation.
7. Installation is complete. Make sure all wires are securely fastened to the forklift using plastic wire ties or electrical tape (not provided).

Fig. 2



**ADJUSTING LIGHT: Fig. 1.**

8. Depending on the position of light, the optimal distance for the light beam is to project 7-8 feet to the front or rear of the forklift.
9. Loosen the bolt and nut that secures the u-bracket, adjust light beam and then re-tightened.
10. Adjust the light beam side to side by turning the light and then tightened the ½” mounting threaded bolt.

**SPECIFICATIONS:**

Operating Voltage: 12 ~ 80 volt DC

Light Intensity: 12,000 Candela

Partial Flux: 1250LM

Total Luminous Flux: 45LM

Operating Temperature: -40° C ~ +85° C

Life: 50,000 hours

Weather Rating: IP67 Built to protect against dirt and pressure washing

Heat sink die cast aluminum

Wire leads: 10 inches

**WARRANTY**

Wolo Manufacturing Corporation (“Wolo”) warranties to the original purchaser, for three months from the date of purchase, that this product is free from defects in workmanship and materials. If there is such a proven defect, Wolo, at its option, will either repair or replace the item free of charge, if it is returned to Wolo within three months from the date of purchase together with proof of purchase as described below. Wolo reserves the right to inspect any defect prior to settling any warranty claim by repair or replacement. This warranty is limited as above provided and Wolo will not be responsible for fire or other casualty or accident, due to neglect, abuse, abnormal use, modifications, faulty installation of this product, or natural causes.

ANY EXPRESSED WARRANTY NOT PROVIDED HEREIN IS EXCLUDED AND DISCLAIMED. THE IMPLIED WARRANTIES OF MERCHANTABILITY AND OF FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY LIMITED TO A TERM OF THREE (3) MONTHS. UNDER NO CIRCUMSTANCES SHALL WOLO BE LIABLE TO PURCHASER OR ANY OTHER PERSON FOR ANY SPECIAL OR CONSEQUENTIAL DAMAGES, WHETHER ARISING OUT OF BREACH OF WARRANTY OR OTHERWISE.

To obtain warranty service, return the product prepaid, and include the original bill of sale showing the date of purchase. Provide with the return a brief description of the problem with a daytime telephone number. Also, include with the return a check or money order in the amount of \$10.00 to cover return shipping.

Mail to:

**Wolo Manufacturing Corp.**  
Attn: Warranty Service  
One Saxwood Street, Deer Park, NY 11729  
E-mail: tech@wolo-mfg.com