



# INSTALLATION INSTRUCTIONS FOR INTELLIGENT ALARM® SELF ADJUSTING BACK-UP ALARM 12-48 VOLT MODEL BA-500

The addition of Wolo's Intelligent Back-Up Alarm will provide a warning sound when the vehicle is shifted into reverse. The Wolo name is your guarantee of a superior product. Back-up alarms are designed to provide a warning sound to alert people of the hazardous condition of a vehicle being operated in reverse. People's lives depend on proper installation of this alarm. Make sure the person that is installing this alarm reads, understands and follows these instructions.

Wolo's Intelligent Alarm, Model 500, will automatically turn on and adjust the beeping sound level to be five (5) db louder than ambient surrounding noise up to 112 db at an operating voltage of 12-48 volts. Never install the Intelligent Alarm in a confined area or in a compartment where echo effects could interfere with the alarms self-adjusting feature. Never spray paint, undercoating, etc. into the alarm's front grill. Doing such could impair the automatic sound level system. **IMPORTANT:** Operation of a vehicle in a noisy environment may require a louder back-up warning alarm. Always install a back-up alarm that is louder than the surrounding noise.

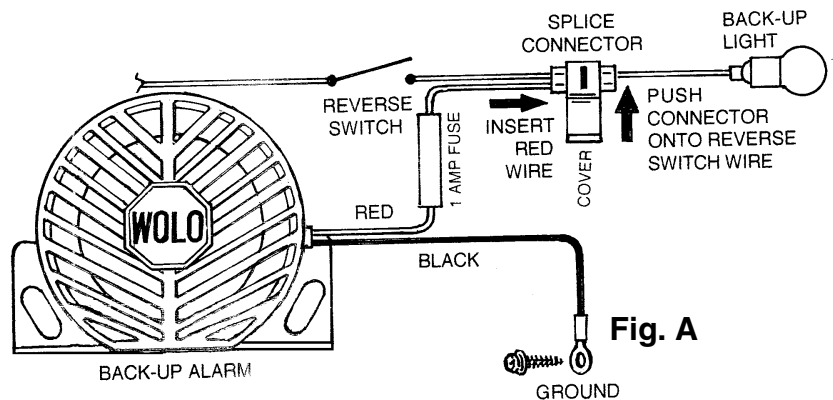
The Model 500 back-up alarm is designed for heavy-duty commercial use. Inspect the vehicles back-up alarm system every day before operating vehicle. This back-up alarm should be used for BACK-UP warning operation only. The sound of this alarm is generally recognized as a warning for a vehicle that is being driven in reverse. Operating a machine or vehicle with an inoperative back-up alarm system, could endanger lives and or property. Never operate machine or vehicle if the alarm is not functioning properly. Affix the warning label provided to dashboard in plain view of an operator.

## MOUNTING

1. Select a mounting location at the rear of the vehicle that will permit the alarm's sound to be unobstructed. Also, the mounting location should provide protection from wet conditions and possible impact to the alarm. The alarm's front grill should be mounted facing the targeted hazard area of the vehicle. Mount the alarm at an approximate height of four (4) feet above ground level.
2. The alarm's L-type mounting configuration provides an easy mounting and installation. Use the alarm's mounting bracket as template, mark one (1) hole location on each side of the alarm and drill to size 5/16".
3. Secure the alarm to the vehicle using the hardware provided.

## WIRING Fig. A

4. The **RED WIRE** is spliced to the power wire of either the reverse switch or back-up light using the splice connector provided. The back-up light has the clear lens. To protect the vehicle from fire, always use the in-line (1) amp fuse connected to the alarm's red wire. Push the splice connector onto the reverse switch wire or back-up light wire. Insert the alarm's red wire into the splice connector. Using pliers press down the protruding metal tab into both wires. Rotate the cover until it snaps closed.
5. The **BLACK WIRE** is connected to body ground. Secure the terminal at the end of the alarm's black wire by drilling a 1/8" hole on any clean body surface. Use the screw provided to secure the terminal. Be sure to clean the ground surface to be



free of rust and paint to assure a good ground connection with the terminal.

6. **NOTE:** The back-up alarm must be wired as above Fig. A. If the polarity is reversed, the alarm will not operate. This alarm must have a good power connection and ground to work reliably. Use 18-gauge wire (minimum) to lengthen wire leads if required. Make sure that all wires are secured and inspect to ensure that they will not interfere with vehicles operation. Always make sure that any wiring is in accordance with the vehicle manufacturer's recommendations.
7. Affix the warning label provided to the dashboard of the vehicle always in plain sight of the operator.