

60 and 61 SERIES BACK UP ALARMS

IMPORTANT: Please read all of the following instructions before installing your new Star back-up alarm. This instruction sheet applies only for installation of the models it is shipped with and **only for negative ground vehicles.**

- Improper installation may result in serious injury, property damage, or death.
- This alarm should be installed so that it only activates when the vehicle is in reverse.
- Mount the alarm approximately 4 feet above the ground in the rear of the vehicle with the sound opening outward towards the hazard zone with an unobstructed sound path towards the intended audience.
- Select a location that provides protection from adverse weather conditions. The sound opening must be kept clear of dust, mud, or any other foreign material that may prevent the alarm from sounding properly.
- Use a minimum 18AWG wire for electrical connections and a 5A fuse at the power source, ensuring both positive and ground connections are dependable.
- After installing, while the alarm is operating, measure the voltage both at the battery and at the alarm to ensure that there is less than a 0.15 VDC loss between the battery and the alarm.
- Ensure that the alarm that you are using is loud enough to provide ample warning in the noisiest environments that it may be used in.
- Test the alarm and inspect all wiring each time you use the vehicle to ensure that it is functioning properly. If it is not functioning properly, do not operate the vehicle.
- Do not paint or coat the alarm with anything. Doing so may reduce the effectiveness of the alarm.

DT Models: Dual Tone - Emit an alternating high/low tone.

A Models: Auto-Adjusting - Automatically adjust the output volume based upon the ambient noise.

S Models: Selectable - Allows the end user to change the output level.



All of our DC powered back-up alarms are polarity sensitive. All wires connected to the positive terminal of the battery should be fused at the battery for their rated load. **Testing the alarm before this fuse is properly installed will void the warranty on the alarm.**



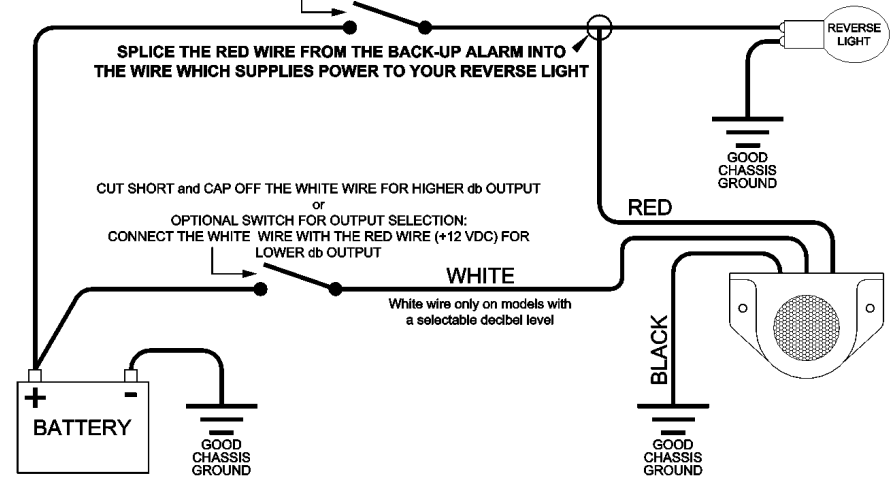
Check the label on your alarm for proper voltage, current rating, and decibel levels.

1. Mount the alarm in the rear of the vehicle with the sound opening outward towards the hazard zone.
2. Connect the BLACK wire to the negative side of the battery or a good chassis ground.
3. Connect the RED wire to an independent actuating switch or splice it into the back-up lights as shown in the diagram on the reverse side of this page. **Please Note:** *The vehicles supply voltage must be the same as the voltage rating specified on the alarm you are installing. Any other voltage applied will void the warranty.*
4. **For models with a WHITE Wire:** If you ordered a model with a selectable decibel level, connect the WHITE wire with the RED wire (BAT +) for the lower dB output, or cut the WHITE wire short and tape it off for the higher dB output. An optional switch may be installed to allow the driver to select which level the back-up alarm operates at.



PLEASE AFFIX THE ENCLOSED WARNING LABEL TO THE DASHBOARD IN FULL VIEW OF THE OPERATOR!!

PRE-EXISTING SWITCH IN VEHICLE ALREADY CONNECTED TO REVERSE LIGHTS (OFTEN ACTIVATED BY THE GEAR SHIFTER)



ONE YEAR LIMITED WARRANTY

Star Safety Technologies, Inc. warrants each new product against factory defects in material and workmanship for one year after the date of purchase. The owner will be responsible for returning to the Service Center any defective item(s) with the transportation costs prepaid. Star Safety Technologies, Inc. will, without charge, repair or replace *at its option*, products, or part(s), which its inspection determines to be defective. Repaired or replacement item(s) will be returned to the purchaser with transportation costs prepaid from the service point. A copy of the purchaser's receipt must be returned with the defective item(s) in order to qualify for the warranty coverage. Exclusions from this warranty include, but are not limited to, bulbs, strobe tubes, domes, and/or the finish. This warranty shall not apply to any light, which has been altered, such that in Star Safety Technologies, Inc.'s judgment, the performance or reliability has been affected, or if any damage has resulted from abnormal use or service.

There are no warranties expressed or implied (including any warranty of merchantability or fitness), which extend this warranty period. **The loss of use of the product, loss of time, inconvenience, commercial loss or consequential damages, including costs of any labor, are not covered.** Star Safety Technologies, Inc. reserves the right to change the design of the product without assuming any obligation to modify any product previously manufactured.

This warranty gives you specific legal rights. You might also have additional rights that may vary from state to state. Some states do not allow limitations on how long an implied warranty lasts. Some states do not allow the exclusion or limitation of incidental or consequential damages. Therefore, the above limitation(s) or exclusion(s) may not apply to you.

If you have any questions concerning this or any other Star product, or need warranty service, please contact our Customer Service Department at (585) 226-9787.

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