

WHELEN[®]

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Installation Guide: Howler™ Siren Speaker Bracket 2009 Chevrolet C4500

DANGER! Sirens produce extremely loud emergency warning tones! Exposure to these tones without proper and adequate hearing protection, could cause ear damage and/or hearing loss! The Occupational Safety & Health Administration (www.osha.gov) provides information necessary to determine safe exposure times in Occupational Noise Exposure Section 1910.95. Until you have determined the safe exposure times for your specific application, operators and anyone else in the immediate vicinity should be required to wear an approved hearing protection device. **FAILURE TO FOLLOW THIS RECOMMENDATION COULD CAUSE HEARING LOSS!**

Safety First

This document provides all the necessary information to allow your Whelen product to be properly and safely installed. Before beginning the installation and/or operation of your new product, the installation technician and operator must read this manual completely. Important information is contained herein that could prevent serious injury or damage.

- Proper installation of this product requires the installer to have a good understanding of automotive electronics, systems and procedures.
- If mounting this product requires drilling holes, the installer **MUST** be sure that no vehicle components or other vital parts could be damaged by the drilling process. Check both sides of the mounting surface before drilling begins. Also de-burr any holes and remove any metal shards or remnants. Install grommets into all wire passage holes.
- If this manual states that this product may be mounted with suction cups, magnets, tape or Velcro®, clean the mounting surface with a 50/50 mix of isopropyl alcohol and water and dry thoroughly.
- Do not install this product or route any wires in the deployment area of your air bag. Equipment mounted or located in the air bag deployment area will damage or reduce the effectiveness of the air bag, or become a projectile that could cause serious personal injury or death. Refer to your vehicle owner's manual for the air bag deployment area. The User/Installer assumes full responsibility to determine proper mounting location, based on providing ultimate safety to all passengers inside the vehicle.
- For this product to operate at optimum efficiency, a good electrical connection to chassis ground must be made. The recommended procedure requires the product ground wire to be connected directly to the **NEGATIVE (-)** battery post.
- If this product uses a remote device to activate or control this product, make sure this control is located in an area that allows both the vehicle and the control to be operated safely in any driving condition. **DO NOT ATTEMPT TO ACTIVATE OR CONTROL THIS DEVICE IN A HAZARDOUS DRIVING SITUATION.**
- It is recommended that these instructions be stored in a safe place and referred to when performing maintenance and/or reinstallation of this product.
- **FAILURE TO FOLLOW THESE SAFETY PRECAUTIONS AND INSTRUCTIONS COULD RESULT IN DAMAGE TO THE PRODUCT OR VEHICLE AND/OR SERIOUS INJURY TO YOU AND YOUR PASSENGERS!**

**ACTIVATION OF THIS
 SIREN MAY DAMAGE
 UNPROTECTED EARS!**



CAUTION

Loud siren noise can cause hearing damage and/or loss. Refer to OSHA Section 1910.95 prior to putting ANY siren into service!

For warranty information regarding this product, visit www.whelen.com/warranty

IMPORTANT! READ THESE WARNINGS BEFORE CONTINUING!

The Howler™ Supplemental Siren was designed for use in high-risk areas such as an intersection. It is not intended to be, nor should be operated as, a replacement or alternative to the vehicle's primary siren.

The low-frequency tones of the Howler™ demonstrate significantly different audio characteristics as compared to those of a traditional higher-frequency siren. While the low-frequency tones are better able to penetrate other vehicles, thus alerting drivers to the presence of the responding emergency vehicle, these tones may also penetrate into the responding vehicle itself. This could potentially expose the operator to increased noise levels.

To help eliminate overexposure, the Howler™ siren has been designed with a built-in timing circuit. The Occupational Safety & Health Administration (OSHA) (www.osha.gov) provides information necessary to determine safe exposure times in Noise and Hearing Conservation, Section 1910.95 (Occupational Noise Exposure). Until you have determined the safe exposure times for your specific application, this siren should be configured for the minimum operating time and operators should be required to use an approved hearing protection device. **FAILURE TO FOLLOW THIS RECOMMENDATION COULD CAUSE HEARING LOSS!**

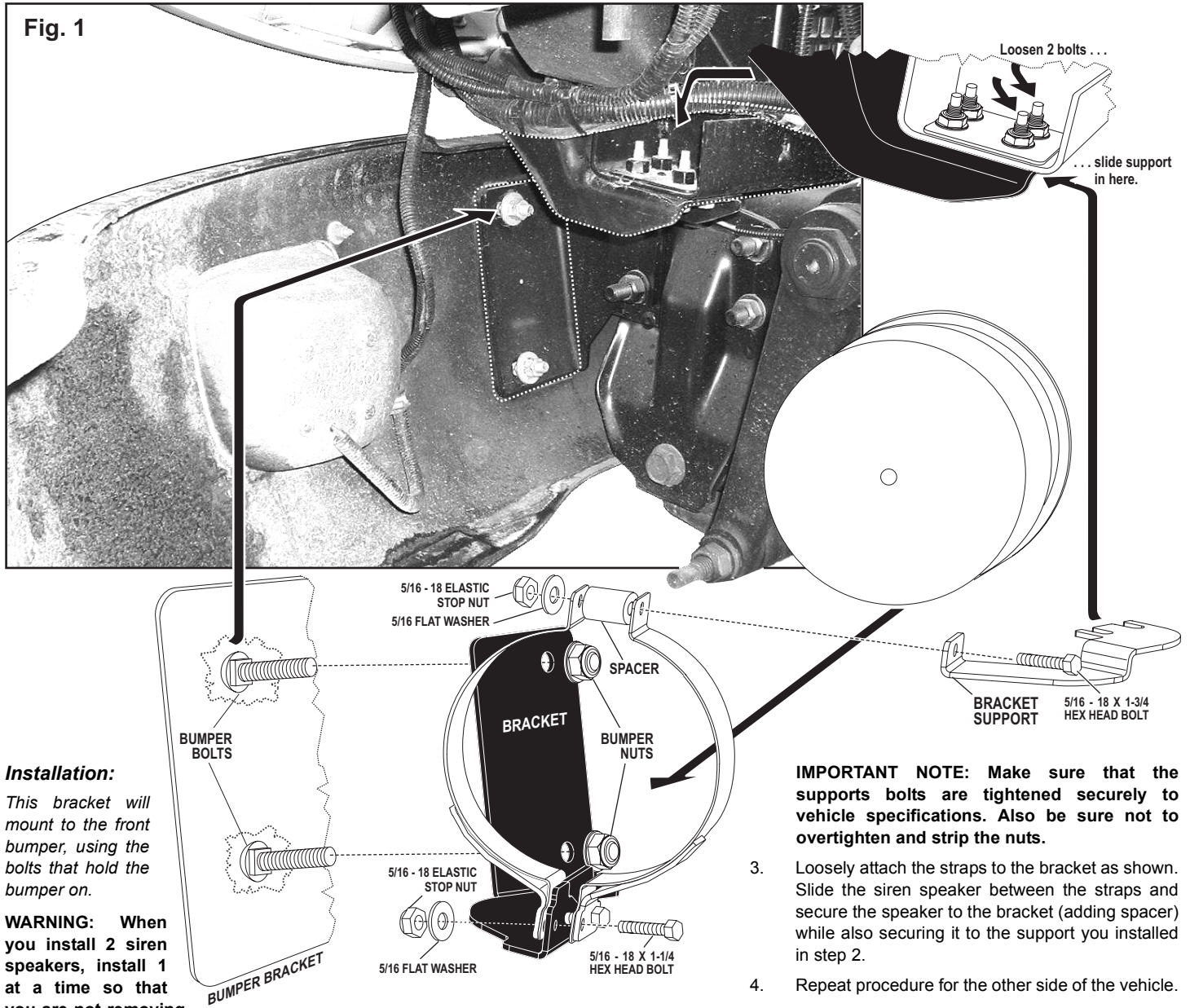


Fig. 1

Installation:

This bracket will mount to the front bumper, using the bolts that hold the bumper on.

WARNING: When you install 2 siren speakers, install 1 at a time so that you are not removing both bumper supports at the same time.

1. On the side of the vehicle that you will be installing the bracket, remove the 2 bolts that hold the bumper and it's support to the vehicle. Secure the mounting bracket to the bumper using these 2 bolts as you re-install the bumper.
2. Next install the bracket support. Loosen the 2 rear bolts that secure the hood latch to the vehicle (Fig. 1) just enough to slide the support underneath. The slots in the support fit around 2 of the bolts you loosened. Tighten the 2 bolts to secure the support.

IMPORTANT NOTE: Make sure that the supports bolts are tightened securely to vehicle specifications. Also be sure not to overtighten and strip the nuts.

3. Loosely attach the straps to the bracket as shown. Slide the siren speaker between the straps and secure the speaker to the bracket (adding spacer) while also securing it to the support you installed in step 2.
4. Repeat procedure for the other side of the vehicle.
5. Extend the WHITE (Negative) and BLACK (Positive) speaker wires to your siren amplifier and connect as described in the amplifier manual.

IMPORTANT: It is the responsibility of the installation technician to make sure that the installation and operation of this product will not interfere with or compromise the operation or efficiency of any vehicle equipment!

IMPORTANT! Before returning the vehicle to active service, confirm the proper operation of this product, as well as all vehicle components/equipment.