



Limited Warranty: This product's limited warranty can be found at www.fedsig.com/SSG-Warranty.

SAFETY MESSAGES TO INSTALLERS AND USERS : People's lives depend on your safe installation of our products in conformance with our instructions. It is necessary to read, understand and follow all instructions shipped with the products. Listed below are some other important safety instructions and precautions you should follow.

The selection of the mounting location for the device, its controls, and the routing of the wiring are to be accomplished under the direction of the facilities engineer and the safety engineer. Listed below are some other important safety instructions and precautions you should follow:

- To properly install a vehicle horn, you must have a good understanding of truck and heavy equipment electrical procedures and systems, along with proficiency in the installation and use of safety warning equipment.
- When drilling into a vehicle structure, be sure that both sides of the surface are clear of anything that could be damaged.
- Locate the horn so it will operate safely under all conditions. The location must provide protection from impact and adverse weather conditions while allowing unobstructed sound projection to the target hazard area.
- All effective warning speakers produce loud sounds, which may cause, in certain situations, permanent hearing loss. The device should be installed far enough away from potential listeners to limit their exposure while still maintaining its effectiveness. The OSHA Code of Federal Regulations 1910.95 Noise Standard provides guidelines which may be used regarding permissible noise exposure levels.
- You should frequently inspect the horn system to ensure that it is operating properly and that it is securely attached to the vehicle.
- Establish a procedure to routinely check the sound system for proper activation and operation.

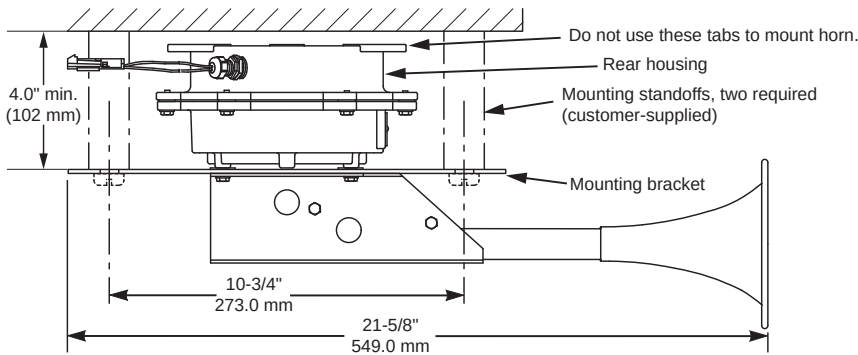
Failure to follow all safety precautions and instructions may result in property damage, serious injury, or death to you or others.

Unpacking the Device — After unpacking the device, examine it for damage and verify parts. If a part is missing or appears damaged, do not attempt to install the unit. Contact Federal Signal Customer Support at +1 708-587-3587 or ordersup@fedsig.com.

Installing the device

A typical Model 52 Resonating Horn mounting arrangement is shown in Figure 1. To prevent the accumulation of moisture, mount the horn between horizontal and 10° below horizontal.

Figure 1 Typical mounting



NOTICE

RISK OF PREMATURE HORN FAILURE: DO NOT use the tabs on the rear housing to mount the horn, as premature failure of the horn will result. Use the customer-supplied mounting standoffs as shown in Figure 1.

CAUTION

RISK OF ELECTRICAL DAMAGE: An obstruction in the projector will cause electrical damage to the horn mechanism and impair horn operation. Therefore, select a mounting location that minimizes the chance of an obstruction entering the projector. In addition, ensure that the bell of the horn clears vehicle parts by at least 13 mm (1/2 inch).

The installation of the horn behind a vehicle partition or other structural members is NOT recommended. However, if it is necessary to mount the horn behind a structural member, provide an opening in the member at least 178 mm (7 inches) in diameter. It is recommended that the bell of the horn be placed as close as practical to the opening.

WARNING

SHOCK HAZARD: To avoid electrical shock, do not connect wires when power is applied.

The Model 52 horn is provided with color-coded lead wires terminated to an automotive style two-pin connector assembly for quick disconnection.

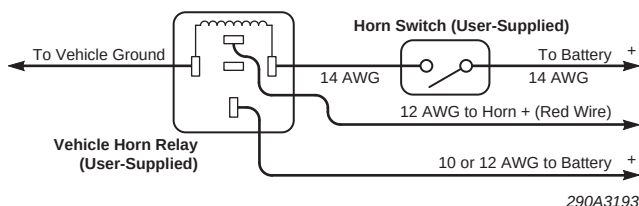
Connect the red horn lead wire to 24Vdc + (positive) power, and the black horn lead wire to 24 Vdc - (negative) power. The horn will sound when power is applied to the horn lead wires.

WARNING

PROPER GROUNDING: Improper vehicle grounding could result in death or serious injury to those who rely on this device for safety. The vehicle ground connection (-) MUST be attached to a solid metal body or chassis part that will provide a dependable ground path as long as the device is to be used.

If desired, the vehicle horn ring circuit can be used to operate the relay. When wiring the horn to the relay, use wire that is no smaller than 14 AWG. See Figure 2.

Figure 2 Vehicle horn ring circuit wiring



SAFETY MESSAGES TO OPERATORS : People's lives depend on your safe installation of our products in conformance with our instructions. It is necessary to read, understand and follow all instructions shipped with the products. Listed below are some other important safety instructions and precautions you should follow.

- Should the horn become inoperative, it could jeopardize the safety or lives of those who depend on the horn signal for safety.
- Any obstruction in the horn projector will cause permanent damage to the horn mechanism while impairing horn operation. Inspect the projector frequently to be sure that it is free of obstructions. Remove any obstructions that may be present.
- Testing the horn should be listed on the daily maintenance report. The units on operating vehicles must be tested each day prior to the vehicles' operation.

Maintenance and Service

Technical Assistance: Contact our Technical Support Team at +1 708-587-3587 or signalsupport@fedsig.com.

Repair Service: A return authorization is required. Contact your Authorized Distributor or Federal Signal Customer Support. Defective products under warranty will be repaired or replaced at Federal Signal's discretion.

Product Returns: Returns require authorization from Federal Signal. Contact your Authorized Distributor for more information on our return policy or to request a return.

Ordering Replacement Parts

Consult the product datasheet online for an updated list of replacement parts. If this product requires a part that is not available for purchase, your unit must be repaired or replaced. The product's dome should be inspected regularly for scratches or chips, and if damaged, it must be replaced.

Table 1 Replacement parts

Description	Part Number
Field Wire Assembly	K1461138A



FEDERAL SIGNAL

Safety and Security Systems

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Additional translations available at signaling.fedsig.com

Traducciones adicionales disponibles en signaling.fedsig.com

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