

12 VDC AIR HORNS WITH COMPRESSOR

Model 94862

ASSEMBLY AND OPERATING INSTRUCTIONS



Due to continuing improvements, actual product may differ slightly from the product described herein.



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For technical questions and replacement parts, please call 1-800-444-3353

Specifications

Item	Description
Power Requirement	12 VDC, 10 watts, 8 ohms
Horn Sizes	Bell mouth: 3" and 2-7/8"; Length: 5-3/4", 6-3/8" and 8-1/2"
Horn Material	Plastic, Red; Brass diaphragm
Sound	135 dB, high/low blast; Tones: high, medium, low, and music
Air Source	Compressor, electric (supplied)
Wire	14-16 AWG auto wire
Weight	2.95 lbs.

Save This Manual

You will need the manual for the safety warnings and precautions, assembly instructions, operating and maintenance procedures, parts list and diagram. Keep your invoice with this manual. Write the invoice number on the inside of the front cover. Keep the manual and invoice in a safe and dry place for future reference.

Safety Warnings and Precautions

WARNING: When using tool, basic safety precautions should always be followed to reduce the risk of personal injury and damage to equipment.

Read all instructions before using this tool!

1. **Keep work area clean.** Cluttered areas invite injuries.
2. **Observe work area conditions.** Do not use machines or power tools in damp or wet locations. Don't expose to rain. Keep work area well lighted. Do not use electrically powered tools in the presence of flammable gases or liquids.
3. **Keep children away.** Children must never be allowed in the work area. Do not let them handle machines, tools, or extension cords.
4. **Use the right product for the job.** There are certain applications for which this product was designed. It will do the job better and more safely at the rate for which it was intended. Do not modify this product and do not use for a purpose for which it was not intended.
5. **Dress properly.** Do not wear loose clothing or jewelry as they can be caught in moving parts. Protective, electrically non-conductive clothes and non-skid footwear are recommended when working. Wear restrictive hair covering to contain long hair.
6. **Do not overreach.** Keep proper footing and balance at all times. Do not reach over or across running machines.

7. **Check for damaged parts.** Before using this product, any part that appears damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for any other condition that may affect proper operation. Any part that is damaged should be properly repaired or replaced by a qualified technician. Do not use the product if the switch does not turn On and Off properly.
8. **Replacement parts and accessories.** When servicing, use only identical replacement parts. Use of any other parts will void the warranty. Only use accessories intended for use with this product. Approved accessories are available from Harbor Freight Tools.
9. **Do not operate tool if under the influence of alcohol or drugs.** Read warning labels if taking prescription medicine to determine if your judgment or reflexes are impaired while taking drugs. If there is any doubt, do not operate this product.

Note: Performance of this tool may vary depending on variations in battery power.

Product Specific Safety Precautions

Warning: The brass components of this product contain lead, a chemical known to the State of California to cause birth defects (or other reproductive harm). (California Health & Safety Code 25249.5 et seq.)

1. During installation, remove ignition keys from the vehicle and set the parking brake.
2. Only connect the positive (+) hot lead to a fused terminal or circuit.
3. Avoid short circuits or burns. Do not wear rings, watches, or other metallic objects around your hands and arms.

Warning: The warnings, cautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

Warning: People with pacemakers should consult their physician(s) before using this product. Electromagnetic fields in close proximity to a heart pacemaker could cause interference to or failure of the pacemaker.

Unpacking

When unpacking, check to make sure the following parts are included. Refer to the Parts List and Parts Photo at the end of this manual. If any parts are missing or broken, please call Harbor Freight Tools at the number on the cover of this manual.

Installation

Caution: If you are not familiar with working around vehicle engine compartments, the installation should be completed by a qualified technician. Before attempting installation of the Air Horns, remove the keys from the vehicle ignition, set the emergency brake, and place wheel chocks.

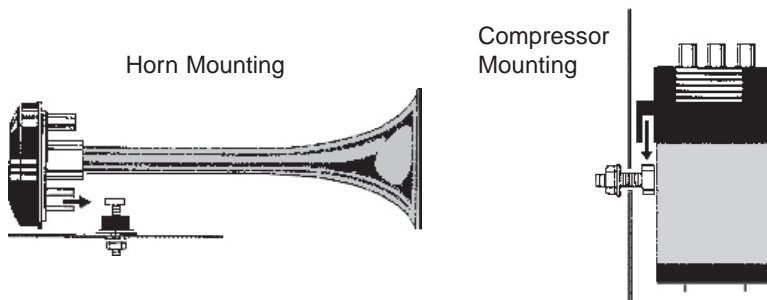
1. Lift the vehicle hood and find a suitable location to mount the Horns and Compressor.

This location must shelter the Compressor (4) and Horns (1, 2, and 3) from incoming rain, road water, and mud from under the vehicle. It also must be away from all moving engine parts and heat.

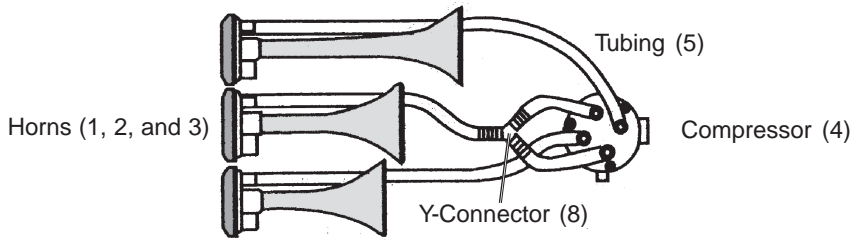
2. Using a Bolt and Nut (9), mount the Compressor (4) to the vehicle chassis in a vertical position (air outlets facing up). See illustration middle-right.

A hole may need to be drilled in the chassis frame to accomplish this. Always be careful that no electrical wires or cables are in the drilling path. The head of the Bolt slides into the Compressor mounting bracket. Securely tighten Nut.

3. Mount the Horns near the Compressor so that they are pointing forward and slightly downward for maximum efficiency. The head of the Bolt slides into the Horn mounting bracket. Securely tighten Nut. See illustration middle-left.

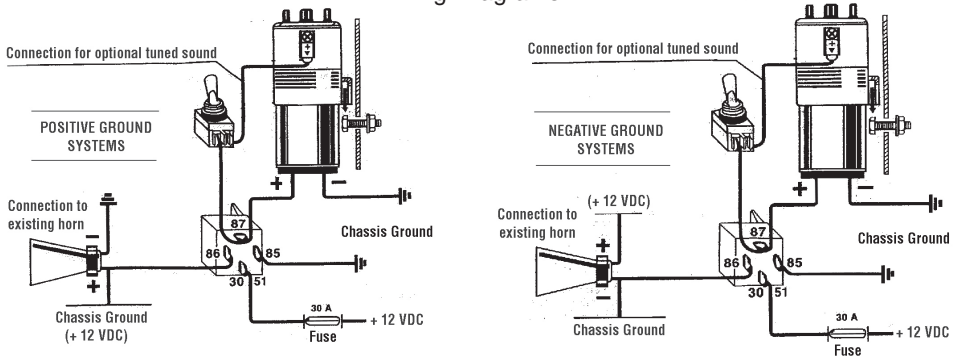


4. Mount the Electric Relay (6) to the chassis frame near the Compressor using a Bolt and Nut. Securely tighten.
5. Connect the Compressor to the Horns using the rubber Tubing (5) and the Y-Connector (8). Cut the rubber tubing to the desired length. Do not fold or kink tubing. See illustration below.



6. Make the connections to the Compressor (4) and the Electric Relay (6) as shown on the wiring diagram below.

Wiring Diagrams



Always use vehicle terminal type connectors (not supplied) on all connections. Never wrap wires around terminals as they could fall off. Connect terminal #30 on the Electric Relay (6) to a 30A fused circuit.

Note: Some vehicles may employ a positive ground system. If this is the case, refer to the wiring diagram above-left. Pay attention to polarity. If the Compressor turns on and the Horns do not sound, reverse the Compressor connections (+ / -).

7. The Air Horns will now sound when the vehicle horn is pushed.

Maintenance

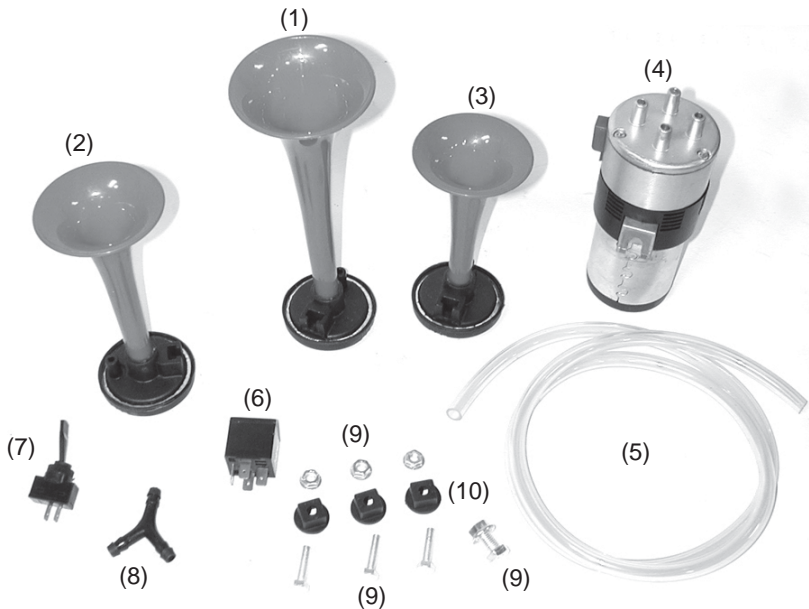
1. Periodically add a few drops of light oil to each air outlet of the Compressor. First remove air outlet tubes. Energize the Compressor. Excess oil will be blown out. Wear ANSI approved safety glasses for this process.
2. Periodically check the Air Horn, Relay, and Compressor hardware for tightness. Also check for secure wire connections.

Parts List

Item	Description	Qty
1	Horn, Large	1
2	Horn, Medium	1
3	Horn, Small	2
4	Compressor	1
5	Tubing	1
6	Relay	1
7	Switch	1
8	Y-Connector, Tubing	1
9	Hardware, Nuts and Bolts	4
10	Separator, Mounting	3

NOTE: Some parts are listed and shown for illustration purposes only and are not available individually as replacement parts.

Parts Photo



PLEASE READ THE FOLLOWING CAREFULLY

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER NOR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.