



SUPER LOUD ITALIAN AIR HORN & ULTRA-COMPACT ITALIAN AIR HORN

Thank you for choosing this fine product from GRIOT'S GARAGE. We have included separate instructions for different wiring applications. Choose the installation which best fits your vehicle. Please read and understand the instructions before installing the **SUPER LOUD ITALIAN AIR HORN** or **ULTRA-COMPACT ITALIAN AIR HORN**.

MATERIALS NEEDED FOR INSTALLATION

- 12-gauge automotive wire
- Spade type electrical connectors
- Eye-ring type electrical connectors
- Butt type electrical connectors
- Wire stripper/crimper tool
- 12-volt test light
- Electrical tape

INSTALLATION FOR VEHICLES WITH ONE EXISTING HORN WITH ONE WIRE

This system provides power to the horn and allows the ground path to be completed through the horn body at its mounting point to the chassis.

Disconnect the ground lead of battery before wiring. Mount the **SUPER LOUD ITALIAN AIR HORN** or **ULTRA-COMPACT ITALIAN AIR HORN** on a stable mounting site inside engine compartment with the trumpets facing down (See **DIAGRAM A**). Find a suitable weather free location near the horn to mount the relay. Disconnect the wire from the existing horns. NOTE: It may be necessary to cut and remove the factory connector and replace it with a crimp-on style female spade connector. Connect the female spade connector from the existing vehicle wiring to the #85 terminal of the relay (switching circuit). To complete the switching circuit you must create a ground wire. Install a female spade connector to one end of a 12-gauge wire. Attach that connector to the #86 terminal of the relay. At the opposite end of the 12-gauge wire attach a suitable eye-ring style connector and attach it to ground. You may use the mounting screw that secures the relay inside the engine compartment as a ground.

Next you need to provide power to the relay. (See **DIAGRAM B**) Install female spade connector to one end of the 12-gauge wire. Attach that connector to the #30 terminal on the relay (power supply circuit). Carefully run the wire to the battery making sure there are no sharp edges that come in contact with the wire. Install the in-line fuse holder at a location close to the battery. At the opposite end of the wire attach a suitable eye-ring style connector and attach it to the positive post on the battery.

Now you need to provide power to the horn. Install a female spade connector to one end of a 12-gauge wire. Attach that connector to the #87 terminal on the relay (power output circuit). Carefully run the wire to the horn making sure there are no sharp edges that come in contact with the wire. Install another female spade connector to the opposite end of the 12-gauge wire and attach that connector to the "+" terminal of the **SUPER LOUD ITALIAN AIR HORN** or **ULTRA-COMPACT ITALIAN AIR HORN**. To complete the power output circuit you must create a ground wire. Install a female spade connector to one end of a 12-gauge wire. Attach that connector to the "-" terminal of the horn. You may use the mounting bolt that secures the horn inside the engine compartment as a ground. Attach a suitable eye-ring style connector and place it between and the attaching bolt and mounting point. Reconnect ground lead of battery. Check the installation by honking horn.

INSTALLATION FOR VEHICLES WITH TWO EXISTING HORNS WITH ONLY A POSITIVE WIRE TO EACH HORN

This system provides power to both horns and allows the ground path to be completed through the horn body at its mounting point to the chassis. You only need one of the two horn wires to complete this installation.

Disconnect the ground lead of the battery before wiring. Mount the **SUPER LOUD ITALIAN AIR HORN** or **ULTRA-COMPACT ITALIAN AIR HORN** on a stable-mounting site inside the engine compartment with the trumpets facing down (See **DIAGRAM A**). Find a suitable weather free location near the horn to mount the relay. Disconnect the two wires from the existing horns. NOTE: It may be necessary to cut and remove one of the factory connectors and replace it with a crimp-on style female spade connector. Select the wire from one of the two horns that will suit your installation. Using electrical tape, wrap the other wire terminal and secure it to a suitable location where it will not come in contact with the chassis. Connect the female spade connector from the existing vehicle wiring to the #85 terminal of the relay (switching circuit). To complete the switching circuit you must create a ground wire. Install a female spade connector to one end of a 12-gauge wire. Attach that connector to the #86 terminal of the relay. At the opposite end of the wire attach a suitable eye-ring style connector and attach it to ground. You may use the mounting screw that secures the relay inside the engine compartment as a ground.

Next you need to provide power to the relay (See **DIAGRAM B**). Install female spade connector to one end of a 12-gauge wire. Attach that connector to the #30 terminal on the relay (power supply circuit). Carefully run the wire to the battery making sure there are no sharp edges that come in contact with the wire. Install the in-line fuse holder at a location close to the battery. At the opposite end of the wire attach a suitable eye-ring style connector and attach it to the positive post on the battery.

Now you need to provide power to the horn. Install a female spade connector to one end of the 12-gauge wire. Attach that connector to the #87 terminal on the relay (power output circuit). Carefully run the wire to the horn making sure there are no sharp edges that come in contact with the wire. Install another female spade connector to opposite end of the 12-gauge wire and attach that connector to the "+" terminal of the **SUPER LOUD ITALIAN AIR HORN** or **ULTRA-COMPACT ITALIAN AIR HORN**. To complete the power output circuit you must create a ground wire. Install a female spade connector to one end of a 12-gauge wire. Attach that connector to the "-" terminal of the horn. You may use the mounting bolt that secures the horn inside the engine compartment as a ground. Attach a suitable eye-ring style connector and place it between the attaching bolt and mounting point. Reconnect the ground lead of the battery. Check the installation by honking the horn.

INSTALLATION FOR VEHICLES WITH ONE EXISTING HORN WITH TWO WIRES

This system provides both power and ground wires to operate the horn.

Disconnect the ground lead of the battery before wiring. Mount the **SUPER LOUD ITALIAN AIR HORN** or **ULTRA-COMPACT ITALIAN AIR HORN** on a stable mounting site inside the engine compartment with the trumpets facing down (See **DIAGRAM A**). Find a suitable weather free location near the horn to mount the relay. Disconnect the two wires from the existing horn. NOTE: It may be necessary to cut and remove the factory connectors and replace them with crimp on style female spade connectors. Connect the two wires to terminals #85 and #86 of the relay (switching circuit).

Next you need to provide power to the relay (See **DIAGRAM C**). Install female spade connector to one end of a 12-gauge wire. Attach that connector to the #30 terminal on the relay (power supply circuit). Carefully run the wire to the battery making sure there are no sharp edges that come in contact with the wire. Install the in-line fuse holder at a location close to the battery. At the opposite end of the wire attach a suitable eye-ring style connector and attach it to the positive post on the battery.

Now you need to provide power to the horn. Install a female spade connector to one end

of a 12-gauge wire. Attach that connector to the #87 terminal on the relay (power output circuit). Carefully run the wire to the horn making sure there are no sharp edges that come in contact with the wire. Install another female spade connector to opposite end of the 12-gauge wire and attach that connector to the "+" terminal of the **SUPER LOUD ITALIAN AIR HORN** or **ULTRA-COMPACT ITALIAN AIR HORN**. To complete the power output circuit you must create a ground wire. Install a female spade connector to one end of a 12-gauge wire. Attach that connector to the "-" terminal of the horn. You may use the mounting bolt that secures the horn inside the engine compartment as a ground. Attach a suitable eye-ring style connector and place it between the attaching bolt and mounting point. Reconnect the ground lead of the battery. Check the installation by honking the horn.

INSTALLATION FOR VEHICLES WITHOUT HORN OR OLDER THAN 1975

Disconnect the ground lead of the battery before wiring. Mount the **SUPER LOUD ITALIAN AIR HORN** or **ULTRA-COMPACT ITALIAN AIR HORN** on a stable mounting site inside the engine compartment with the trumpets facing down (See **DIAGRAM A**). Find a suitable weather free location near the horn to mount the relay. Find a suitable location for the horn button. If you are using the button that is on the steering wheel; a ground completion path is the most common type of installation (See **DIAGRAM D**). Using 12-gauge wire install a female spade connector on the end of the wire. Attach the connector to the #85 terminal of the relay. Run the wire to the horn button making sure there are no sharp edges that come in contact with the wire. At the opposite end of the wire install a suitable connector and attach it to the connector on the horn button. You need to provide power to the relay for the switching circuit to operate. Install a female spade connector to one end of a 12-gauge wire. Attach that connector to the #86 terminal on the relay. Carefully run the wire to the battery making sure there are no sharp edges that come in contact with the wire. As a safety precaution it's recommended to install an in-line fuse holder at a location close to the battery. At the opposite end of the wire install a suitable eye-ring style connector and attach it to the positive post on the battery.

Next you need to provide power to the relay. Install female spade connector to one end of a 12-gauge wire. Attach that connector to the #30 terminal on the relay (power supply circuit). Carefully run the wire to the battery making sure there are no sharp edges that come in contact with the wire. Install the in-line fuse holder at a location close to the battery. At the opposite end of the wire attach a suitable eye-ring style connector and attach it to the positive post on the battery.

Now you need to provide power to the horn. Install a female spade connector to one end of the 12-gauge wire. Attach that connector to the #87 terminal on the relay (power output circuit). Run the wire to the horn making sure there are no sharp edges that come in contact with the wire. Install another female spade connector to opposite end of a 12-gauge wire and attach that connector to the "+" terminal of the **SUPER LOUD ITALIAN AIR HORN** or **ULTRA-COMPACT ITALIAN AIR HORN**. To complete the power output circuit you must create a ground wire. Install a female spade connector to one end of a 12-gauge wire. Attach that connector to the "-" terminal of the **SUPER LOUD ITALIAN AIR HORN** or **ULTRA-COMPACT ITALIAN AIR HORN**. You may use the mounting bolt that secures the horn inside the engine compartment as a ground. Attach a suitable eye-ring style connector and place it between the attaching bolt and mounting point. Reconnect the ground lead of the battery. Check the installation by honking the horn.

INSTALLATION FOR SATURN VEHICLES

Saturn uses a two-wire system with two separate circuits to operate their horn. One circuit is operational only when the ignition key is on. The other is operational only when the ignition key is off. Neither circuit is operational at the same time. Connecting the two wires together will cause an undesirable electrical feedback that can damage the vehicles electrical system. For this reason we recommend using the wire from the "ignition-on" circuit to activate the air horn. Allow the second

wire to remain attached to the existing horn as it is often used in factory alarm systems.

Using a 12-volt test light determine which wire provides power to the horn when the ignition switch is in the "on" position. Disconnect the ground lead of the battery before wiring. Mount the **SUPER LOUD ITALIAN AIR HORN** or **ULTRA-COMPACT ITALIAN AIR HORN** on a stable mounting site inside the engine compartment with the trumpets facing down (See **DIAGRAM A**). Find a suitable weather free location near the horn to mount the relay. Remove the "ignition on" wire from the existing horn. NOTE: It may be necessary to cut and remove the factory connector and replace it with a crimp-on style female spade connector. Attach the female spade connector from the "ignition on" vehicle wiring to the #85 terminal of the relay (switching circuit). To complete the switching circuit you must create a ground wire. Install a female spade connector to one end of a 12-gauge wire. Attach that connector to the #86 terminal of the relay. At the opposite end of the wire attach a suitable eye-ring style connector and attach it to ground. You may use the mounting screw that secures the relay inside the engine compartment as a ground.

Next you need to provide power to the relay (See **DIAGRAM E**). Install female spade connector to one end of a 12-gauge wire. Attach that connector to the #30 terminal on the relay (power supply circuit). Carefully run the wire to the battery making sure there are no sharp edges that come in contact with the wire. Install the in-line fuse holder at a location close to the battery. At the opposite end of the wire attach a suitable eye-ring style connector and attach it to the positive post on the battery.

Now you need to provide power to the horn. Install a female spade connector to one end of a 12-gauge wire. Attach that connector to the #87 terminal on the relay (power output circuit). Carefully run the wire to the horn making sure there are no sharp edges that come in contact with the wire. Install another female spade connector to opposite end of the 12-gauge wire and attach that connector to the "+" terminal of **SUPER LOUD ITALIAN AIR HORN** or **ULTRA-COMPACT ITALIAN AIR HORN**. To complete the power output circuit you must create a ground wire. Install a female spade connector to one end of a 12-gauge wire. Attach that connector to the "-" terminal of the **SUPER LOUD ITALIAN AIR HORN** or **ULTRA-COMPACT ITALIAN AIR HORN**. You may use the mounting bolt that secures the horn inside the engine compartment as a ground. Attach a suitable eye-ring style connector and place it between the attaching bolt and mounting point. Reconnect the ground lead of the battery. Check the installation by honking the horn.

DISCLAIMER

GRIOT'S GARAGE is not responsible for any misuse of the **SUPER LOUD ITALIAN AIR HORN** or **ULTRA-COMPACT ITALIAN AIR HORN** resulting in any injury or damage incurred to any person or object related to **SUPER LOUD ITALIAN AIR HORN** or **ULTRA-COMPACT ITALIAN AIR HORN** .

ANSWERS TO YOUR QUESTIONS

Should you want to order more **SUPER LOUD ITALIAN AIR HORN (77839)** or **ULTRA-COMPACT ITALIAN AIR HORNS (77505)**, or for a complete selection of quality GRIOT'S GARAGE products, please write or call us toll-free at 800-345-5789. Or visit our website at www.griotsgarage.com.

Have fun in your garage!®

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INSTALLATION DIAGRAMS

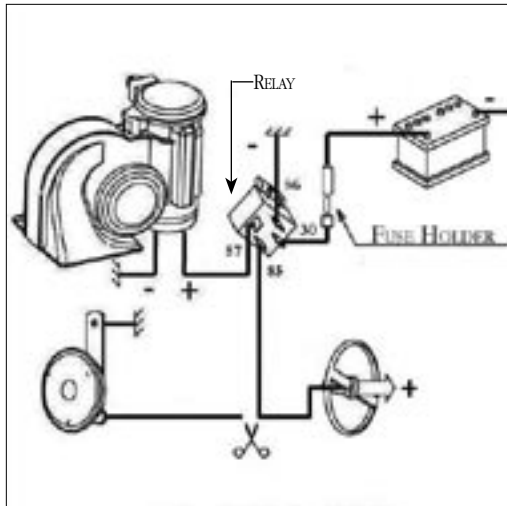
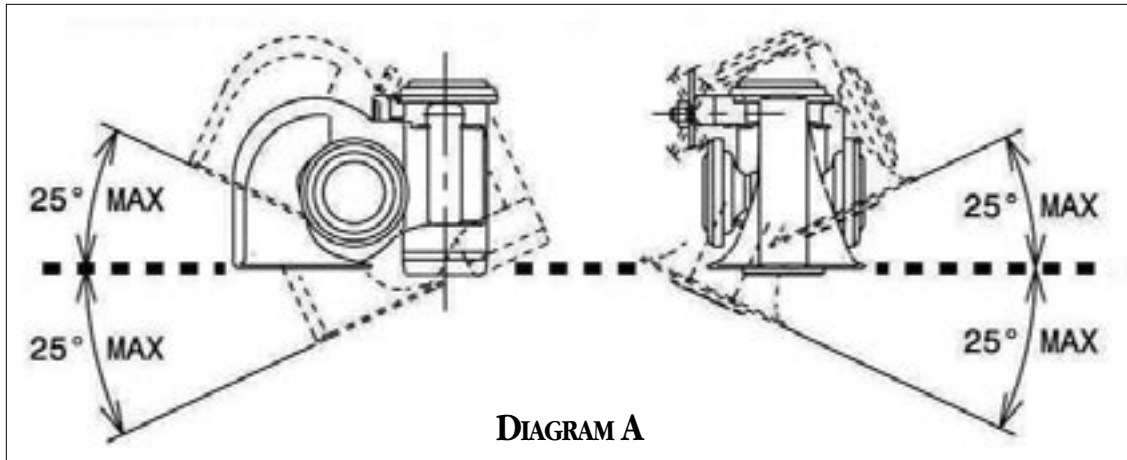


DIAGRAM B

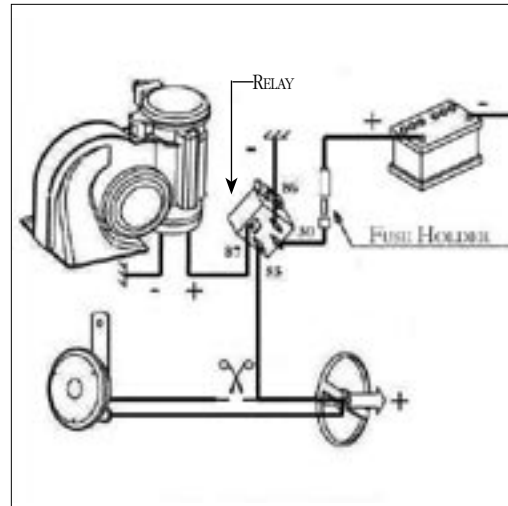


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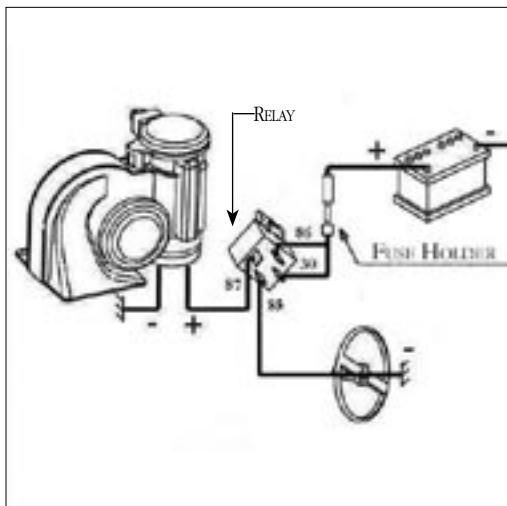


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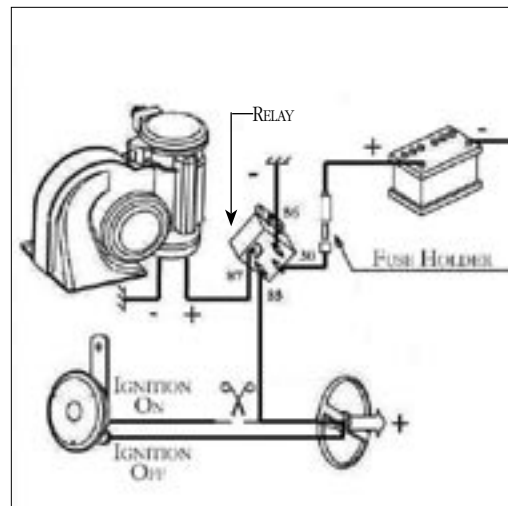


DIAGRAM E