



SUPER LOUD AMERICAN HORNS

Thank you for choosing this fine product from GRIOT'S GARAGE. We have included installation instructions for different wiring applications. Choose the installation which best fits your vehicle. Please read and understand the instructions before installing the **SUPER LOUD AMERICAN HORNS**.

MATERIALS NEEDED FOR INSTALLATION

- 12 gauge automotive wire
- Female 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 EXISTING HORN(S) WITH ONE POSITIVE WIRE

This system provides power to the horns and allows the ground path to be completed through the horn body at its mounting point to the chassis. **(DIAGRAM A)**

Step 1: Disconnect the ground lead from your vehicle's battery before wiring.

Step 2: Mount the **SUPER LOUD AMERICAN HORNS** on a stable mounting site inside engine compartment (firewall, shock tower, etc.).

Step 3: Mount the relay to a solid location near the horns in an area protected from weather.

Step 4: Disconnect the wire from the existing horn(s) and, using a female spade connector, attach it to the #86 terminal of the relay (switching circuit). If you have two horns, use only one of the wires and cap off the remaining unused wire.

NOTE: It may be necessary to cut and remove the factory connector and replace it with a crimp-on style female spade connector.

Step 5: Attach a female spade connector to one end of a piece of 12 gauge wire and attach it to the #85 terminal on the relay. On the other end of the wire attach a suitable eye-ring style connector and attach it to a ground.

NOTE: You may use the mounting screw that secures the relay inside the engine compartment as a ground.

Step 6: Attach a female spade connector to one end of a piece of 12 gauge wire and attach it 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 will come in contact with the wire. Near the battery, install the provided in-line fuse holder. From the in-line fuse holder run 12 gauge wire to the battery and attach the wire to the positive post on the battery using a suitable eye-ring style connector.

Step 7: Attach a female spade connector to one end of a piece of 12 gauge wire and attach it to the #87 terminal on the relay (power output circuit). Carefully run the wire to the horns making sure there are no sharp edges that will come in contact with the wire. At the end of the wire attach a butt connector. Then attach two 12 gauge wires to the other end of the butt connector. Install female spade connectors to the ends of those wires and attach a connector to each of the **SUPER LOUD AMERICAN HORNS**.

NOTE: The horns are not labeled with a positive or negative terminal. It will not matter which terminal has a positive or negative wire installed to it as long as each horns has a designated 12 Volt wire and ground wire installed to it.

Step 8: Attach a female spade connector to the ends of two separate pieces of 12 gauge wire and attach those connectors to the remaining terminals on each of the horns. Attach suitable

eye-ring style connectors to the other ends of the wires and connect the wires to a suitable ground location.

NOTE: You may use the mounting bolt that secures the horn inside the engine compartment as a ground.

Step 9: Reconnect the ground lead to your vehicle's battery.

Step 10: Check your installation by honking the horn.

INSTALLATION FOR VEHICLES WITH EXISTING HORN(S) WITH TWO WIRES

This system provides both power and ground wires to operate the horns. **(DIAGRAM B)**

Step 1: Disconnect the ground lead from your vehicle's battery before wiring.

Step 2: Mount the **SUPER LOUD AMERICAN HORNS** on a stable mounting site inside engine compartment (firewall, shock tower, etc.).

Step 3: Mount the relay to a solid location near the horns in an area protected from weather.

Step 4: Disconnect one of the wires from the existing horn and, using a female spade connector, attach it to the #86 terminal of the relay (switching circuit).

NOTE: It may be necessary to cut and remove the factory connector and replace it with a crimp-on style female spade connector.

Step 5: Disconnect the remaining wire from the existing horn and, using a female spade connector, attach it to the #85 terminal on the relay.

NOTE: It may be necessary to cut and remove the factory connector and replace it with a crimp-on style female spade connector.

Step 6: Attach a female spade connector to one end of a piece of 12 gauge wire and attach it 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 will come in contact with the wire. Near the battery, install the provided in-line fuse holder. From the in-line fuse holder run 12 gauge wire to the battery and attach the wire to the positive post on the battery using a suitable eye-ring style connector.

Step 7: Attach a female spade connector to one end of a piece of 12 gauge wire and attach it to the #87 terminal on the relay (power output circuit). Carefully run the wire to the horns making sure there are no sharp edges that will come in contact with the wire. At the end of the wire attach a butt connector. Then attach two 12 gauge wires to the other end of the butt connector. Install female spade connectors to the ends of those wires and attach a connector to each of the **SUPER LOUD AMERICAN HORNS**.

NOTE: The horns are not labeled with a positive or negative terminal. It will not matter which terminal has a positive or negative wire installed to it as long as each horns has a designated 12 Volt wire and ground wire installed to it.

Step 8: Attach a female spade connector to the ends of two separate pieces of 12 gauge wire and attach those connectors to the remaining terminals on each of the horns. Attach suitable eye-ring style connectors to the other ends of the wires and connect the wires to a ground.

NOTE: You may use the mounting bolt that secures the horn inside the engine compartment as a ground.

Step 9: Reconnect the ground lead to your vehicle's battery.

Step 10: Check your installation by honking the horns.

INSTALLATION FOR VEHICLES WITHOUT A HORN OR OLDER THAN 1975

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

Step 1: Disconnect the ground lead from your vehicle's battery before wiring.

Step 2: Mount the **SUPER LOUD AMERICAN HORNS** on a stable mounting site inside engine compartment (firewall, underside of the hood, etc).

- Step 3: Mount the relay to a solid location near the horns in an area protected from weather.
- Step 4: 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.
- Step 5: Using 12 gauge wire, install a female spade connector on the end of the wire. Attach that wire to the #86 terminal of the relay (switching circuit). 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.
- Step 6: 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 #85 terminal of the relay. At the opposite end of the wire attach a suitable eye-ring style connector and attach it to a suitable ground location.
- NOTE: You may use the mounting screw that secures the relay inside the engine compartment as a ground.
- Step 7: Attach a female spade connector to one end of a piece of 12 gauge wire and attach it 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 will come in contact with the wire. Near the battery, install the provided in-line fuse holder. From the in-line fuse holder run 12 gauge wire to the battery and attach the wire to the positive post on the battery using a suitable eye-ring style connector.
- Step 8: Attach a female spade connector to one end of a piece of 12 gauge wire and attach it to the #87 terminal on the relay (power output circuit). Carefully run the wire to the horns making sure there are no sharp edges that will come in contact with the wire. At the end of the wire attach a butt connector. Then attach two 12 gauge wires to the other end of the butt connector. Install female spade connectors to the ends of those wires and attach a connector to each of the **SUPER LOUD AMERICAN HORNS**.
- NOTE: The horns are not labeled with a positive or negative terminal. It will not matter which terminal has a positive or negative wire installed to it as long as each horns has a designated 12 Volt wire and ground wire installed to it.
- Step 9: Attach a female spade connector to the ends of two separate pieces of 12 gauge wire and attach those connectors to the remaining terminals on each of the horns. Attach suitable eye-ring style connectors to the other ends of the wires and connect the wires to a ground.
- NOTE: You may use the mounting bolt that secures the horn inside the engine compartment as a ground.
- Step 10: Reconnect the ground lead to your vehicle's battery.
- Step 11: Check your 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 horns. Allow the second wire to remain attached to the existing horn as it is often used in factory alarm systems.

- Step 1: Using a 12 volt test light determine which wire provides power to the horn when the ignition switch is in the "on" position.
- Step 1: Disconnect the ground lead from your vehicle's battery before you continue wiring.
- Step 2: Mount the **SUPER LOUD AMERICAN HORNS** on a stable mounting site inside engine compartment (firewall, underside of the hood, etc).

- Step 3: Mount the relay to a solid location near the horns in an area protected from weather.
- Step 4: Using the existing wire that has power when the ignition is on, attach a female spade connector to it. Attach that wire to the #86 terminal of the relay (switching circuit).
- NOTE: It may be necessary to cut and remove the factory connector and replace it with a crimp-on style female spade connector.
- Step 5: Attach a female spade connector to one end of a piece of 12 gauge wire and attach it to the #85 terminal on the relay. On the other end of the wire attach a suitable eye-ring style connector and attach it to a ground.
- NOTE: You may use the mounting screw that secures the relay inside the engine compartment as a ground.
- Step 6: Attach a female spade connector to one end of a piece of 12 gauge wire and attach it 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 will come in contact with the wire. Near the battery, install the provided in-line fuse holder. From the in-line fuse holder run 12 gauge wire to the battery and attach the wire to the positive post on the battery using a suitable eye-ring style connector.
- Step 7: Attach a female spade connector to one end of a piece of 12 gauge wire and attach it to the #87 terminal on the relay (power output circuit). Carefully run the wire to the horns making sure there are no sharp edges that will come in contact with the wire. At the end of the wire attach a butt connector. Then attach two 12 gauge wires to the other end of the butt connector. Install female spade connectors to the ends of those wires and attach a connector to each of the **SUPER LOUD AMERICAN HORNS**.
- NOTE: The horns are not labeled with a positive or negative terminal. It will not matter which terminal has a positive or negative wire installed to it as long as each horns has a designated 12 Volt wire and ground wire installed to it.
- Step 8: Attach a female spade connector to the ends of two separate pieces of 12 gauge wire and attach those connectors to the remaining terminals on each of the horns. Attach suitable eye-ring style connectors to the other ends of the wires and connect the wires to a ground.
- NOTE: You may use the mounting bolt that secures the horn inside the engine compartment as a ground.
- Step 9: Reconnect the ground lead to your vehicle's battery.
- Step 10: Check your installation by honking the horn.

DISCLAIMER

GRIOT'S GARAGE is not responsible for any misuse of the **SUPER LOUD AMERICAN HORNS** resulting in any injury or damage incurred to any person or object related to **SUPER LOUD AMERICAN HORNS**.

ANSWERS TO YOUR QUESTIONS

Should you want to order more **SUPER LOUD AMERICAN HORNS (77416)** 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.

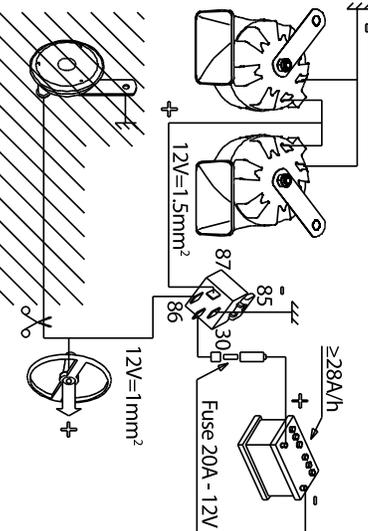
*Have fun in your garage!**

GRIOT'S GARAGE, INC.
3333 SOUTH 38th STREET
TACOMA, WA 98409
800-345-5789
www.griotsgarage.com

INSTALLATION DIAGRAMS

DIAGRAM A

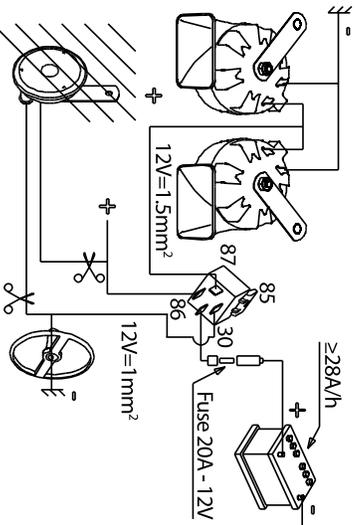
Horn Mounted Instead Of Normal Horn



Wiring Diagram For Cars With "Hot" Lead To Horn Button

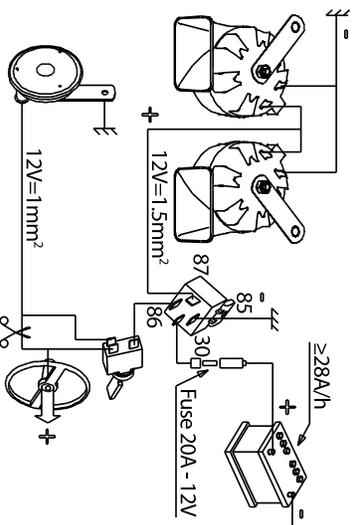
DIAGRAM B

Mounting Diagram

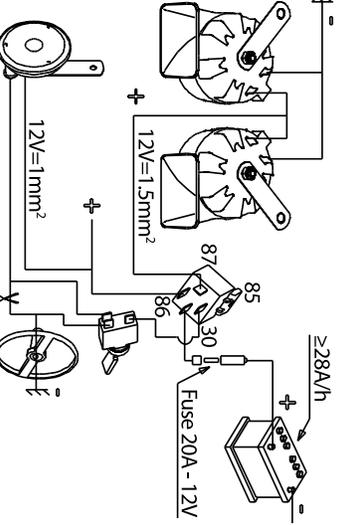


Wiring Diagram For Cars With Ground Lead To Horn Button

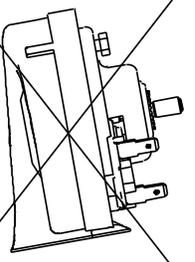
Horn Mounted In Addition To Normal Horn



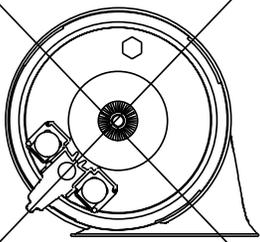
Wiring Diagram For Cars With "Hot" Lead To Horn Button



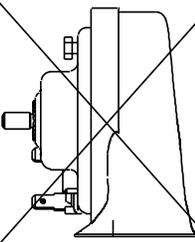
Wiring Diagram For Cars With Ground Lead To Horn Button



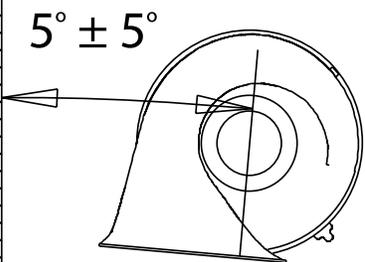
Incorrect Mounting Angle



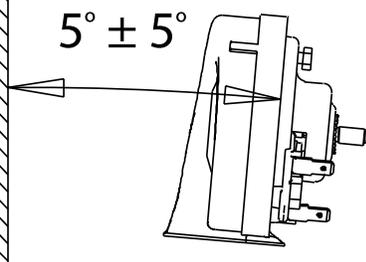
Incorrect Mounting Angle



Incorrect Mounting Angle



Horizontal Plane



Horizontal Plane