

RHINO/SPOCKER 3 LITER INSTALLATION INSTRUCTIONS

A) Mounting the Air Compressor and Tank Assembly

The air compressor and tank must be mounted in a cool and dry location. Avoid moisture and heat-prone areas, and **never allow the compressor motor to get wet**. The compressor must be mounted flat, and never at an angle. Large trucks may offer mounting locations within the engine compartment, provided moisture and heat will not be present. The rear trunk on passenger vehicles is usually the most suitable location.

B) Install the Air Line:

1.) After mounting the air compressor and tank assembly, carefully route the nylon air hose between it and the horns. Secure the full length of the air line to prevent any possibility of damage.

2.) Install the Teflon-tape end of the threaded brass air fitting into the brass elbow on the air tank. Carefully and securely tighten this fitting; do not strip this fitting. The horns have a similar fitting already installed on the solenoid valve.

3.) Slide a compression nut on each end of the air hose. ext, fully slide the hose end over the air tank barb and the solenoid valves' barb. Carefully tighten the compression nut down over the air line on both ends.

C) Making the Electrical Connections:

1.) Securely ground the air compressor's black wire. Use the supplied 10 gauge wire or large wire for its power and ground connections, ensuring to use the 30 amp fuse and fuse holder on the power connection. Do not connect the air compressor directly to the battery, or constant voltage. The air compressor has a pressure switch that turns it on and off automatically to maintain sufficient air pressure to operate the horns.

2.) Of the solenoid's two wires, powering one and grounding the other operates the valve. To utilize the vehicles existing horn switch, connect one solenoid wire to the existing horn wire, and then determine the polarity of existing horn wire. If it switches positive, ground the remaining solenoid valve wire; if the existing wire switches negative, connect the remaining wire on the solenoid valve to positive 12-volts.



RHINO/SPOCKER 3 LITER INSTALLATION INSTRUCTIONS

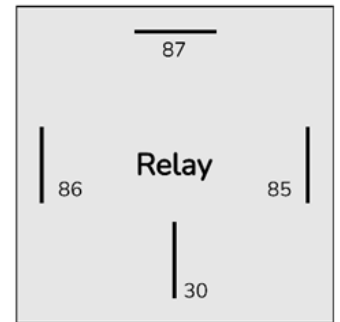
Wiring Continued

A 40a relay can be used to supply the compressor with power. A 40A relay is a small box with four terminals that protrude from the bottom.

Each terminal is labeled with a number. These terminals will connect to different components on the vehicle to complete the circuit.

- Pin 86 → This pin connects to a +12v key-power source. This could be any circuit that is hot when the vehicle is on, but off when the vehicle is not running.
- Pin 85 → This pin can be routed to the frame as a ground (-).
- Pin 87 → This pin will connect to the battery positive terminal with the in-line fuse attached to the battery.
- Pin 30 → This pin will connect to the red wire coming off the compressor/tank combo.

Front of Relay



Back of Relay (With mounting tab)

Cut the fuse holder in half to make two ends. Strip each end and connect one side to the battery positive terminal. The opposite end will connect to the 10 gauge red wire, which will run back to the 40a relay.

If pin 86 is connected to a constant power source, this compressor could run when the vehicle is off and drain your battery! Do not connect pin 86 to constant power!

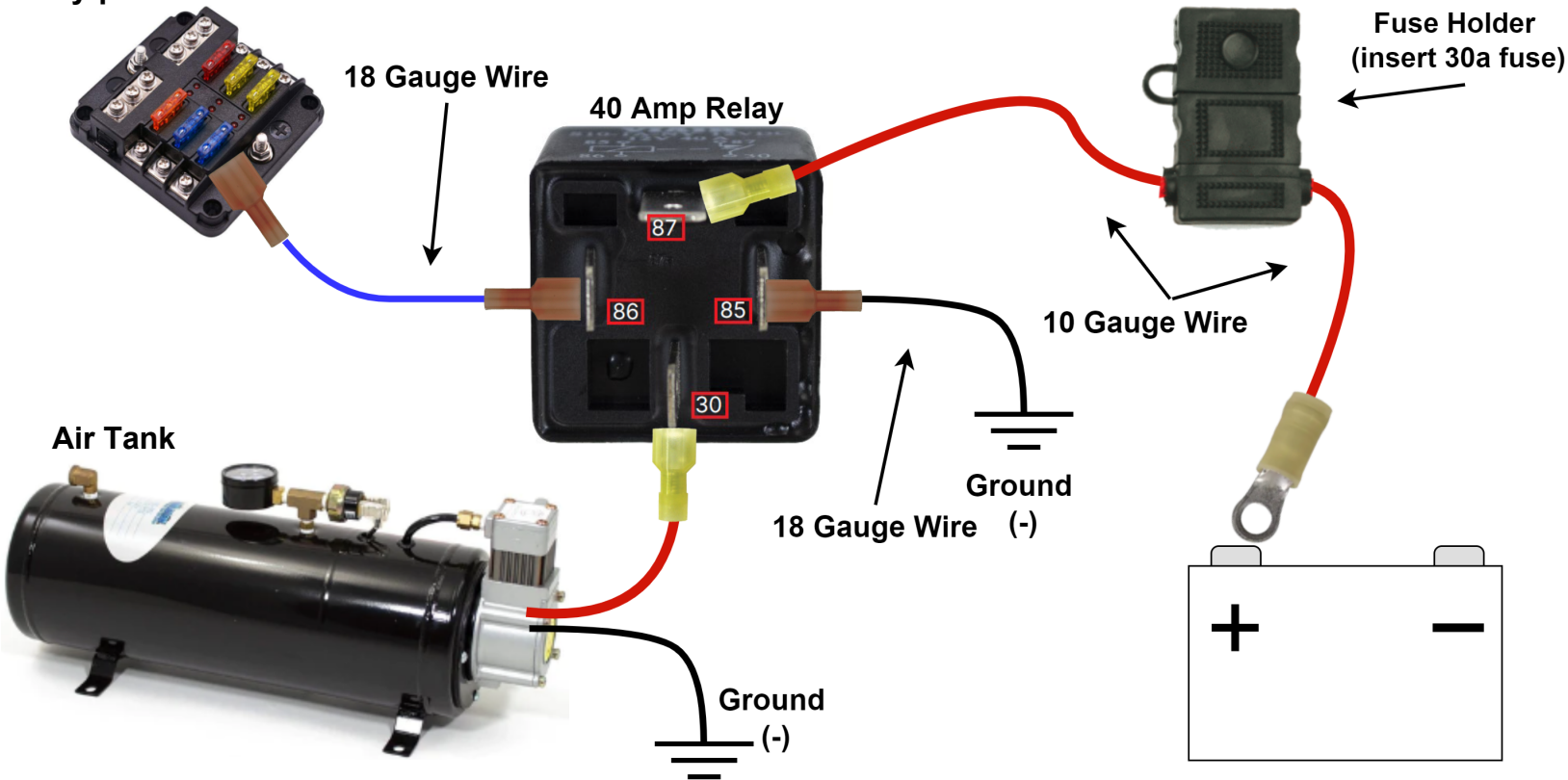
The relay should 'click' when power is supplied to pin 86. If no click can be heard or felt, check the ground on pin 85. This system is outfitted with a pressure switch that will automatically turn the compressor on and off as needed. You can use a toggle switch between pin 86 and a key-power source to manually turn the compressor on and off.

Make sure to follow us on all the popular social media platforms! Show off your install and tag us in all your photos!



RHINO/SPOCKER 3 LITER WIRING INSTRUCTIONS

Key-power Source



Relay Pins

Pin 87: Connect to battery positive with inline fuse holder. Make sure to use the tan colored 30A fuse.

Pin 30: Connect red wire from compressor directly to this pin.

Pin 86: Connect to key-power source such as radio circuit, cigarette lighter, etc; Make sure the circuit you tap into has a fuse rating of at least 1 Amp.

Pin 85: Connect this to the frame of the vehicle with a ring terminal as a ground point.

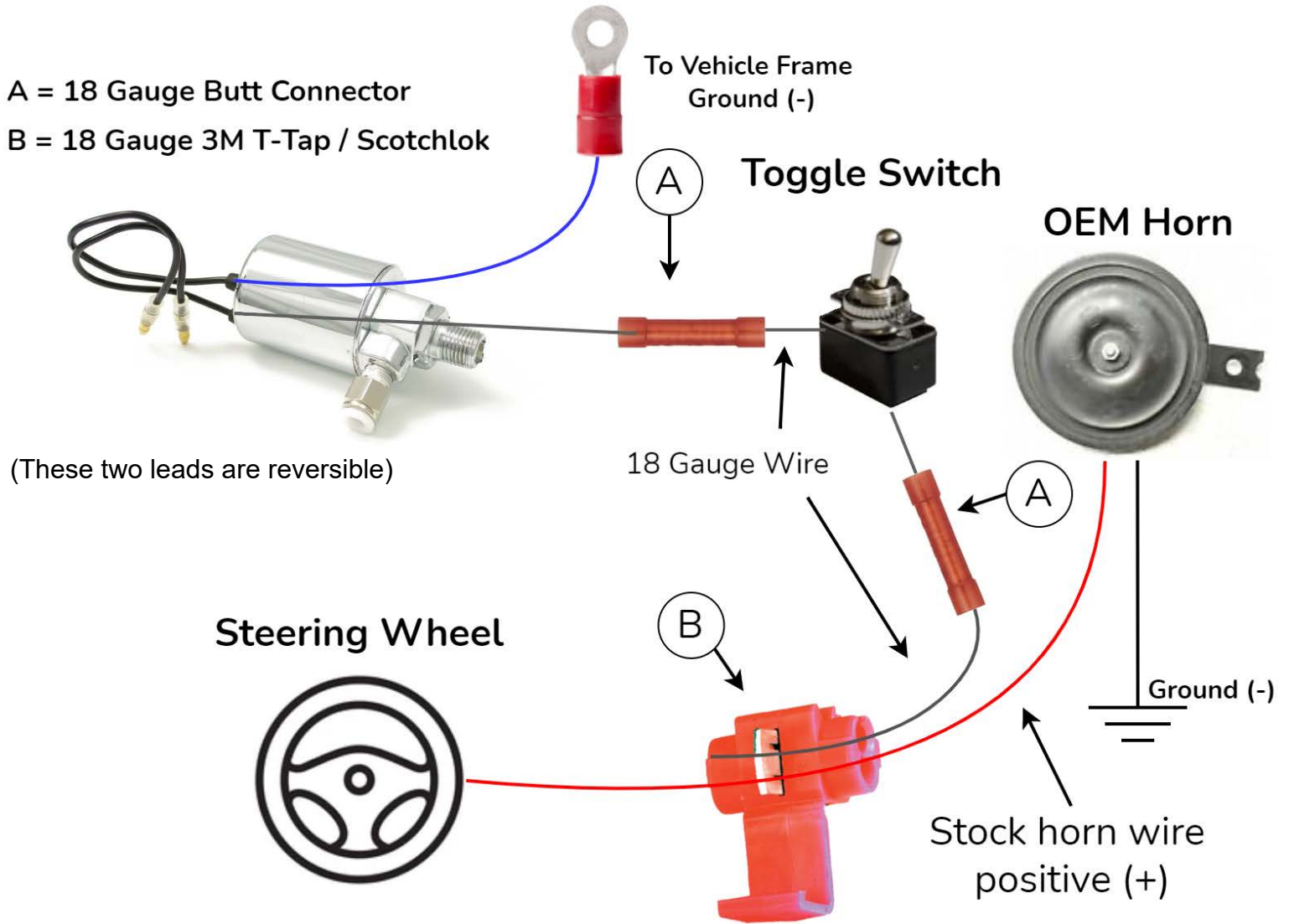
Make sure to use the supplied 10 gauge wire from the battery to the relay. The smaller 18 gauge wire we provide is not sufficient enough to power this compressor adequately.

If you have trouble finding a good key-power source, you can use a toggle switch in between pin 86 and a power source to manually turn the compressor on. Keep in mind that if you do this, the compressor has the potential to run when the vehicle is off.

RHINO/SPOCKER 3 LITER HORN WIRING INSTRUCTIONS

A = 18 Gauge Butt Connector

B = 18 Gauge 3M T-Tap / Scotchlok



Ground to vehicle frame

