



**Model JK 220
Bolt-on Air Horn Kit for Jeep Wrangler JK**

2007 – 2016

IMPORTANT:

It is essential that you and any other operator of this product read and understand the contents of this manual before installing and using this product.

SAVE THIS MANUAL FOR FUTURE REFERENCE

INSTALLATION MANUAL

□ **Model JK 220**

Components:

- 1 Kleinn model # 220 Dual trumpet air horn
- 1 Installation wiring & connector kit
- 1 Horn installation hardware (inside the horn box)
- 1 JEEPKIT mounting hardware
- 1 Horn mounting bracket including 3 backing plates
- 1 12' length air tubing
- 1 horn button

Package #2 – Jeep Kit bracket and tank hardware

- Qty 6 5" bolts 1/4 -20
- Qty 6 1/4 -20 Nyloc nuts
- Qty 3 Rear backing plates
- Qty 4 Nuts, bolts, and washers – (Air horn mounting hardware)



Horn Installation

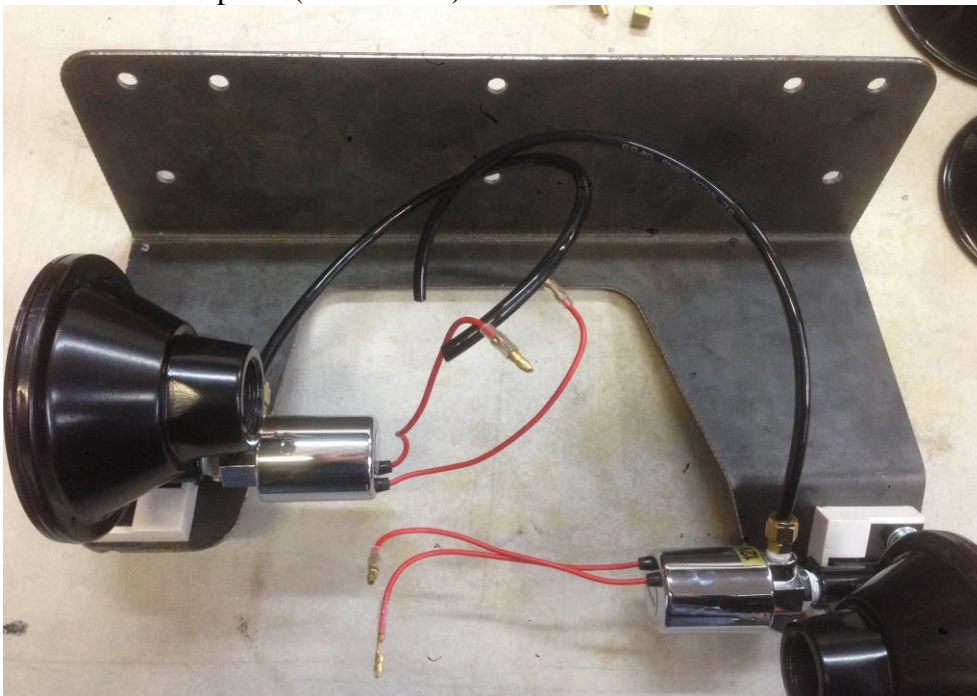
Included in your kit is a vehicle-specific mounting bracket for the Horn. The bracket clamps around the horizontal beam located above the rear differential.

Preparation

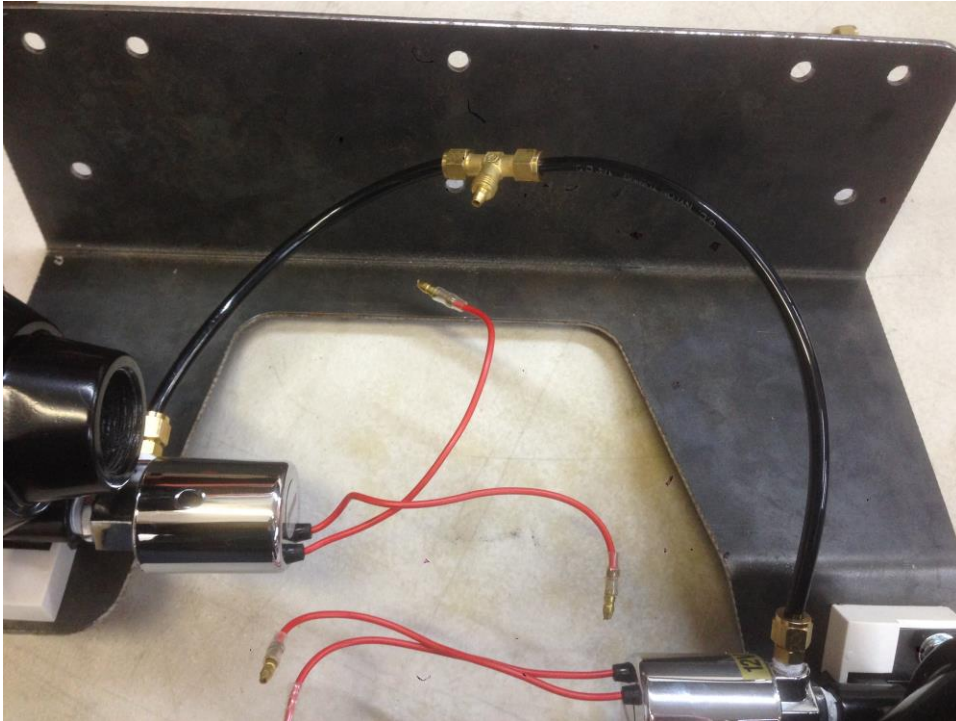
1. Attach the horns to the bracket as shown. (*using the hardware supplied in the horn box*)



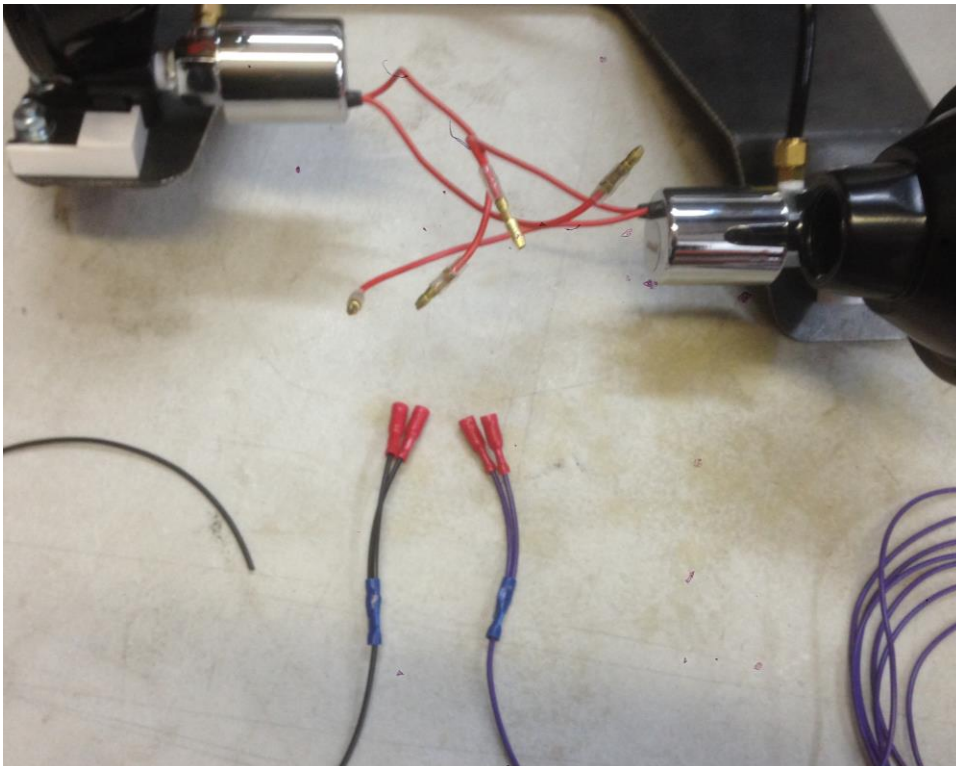
2. Remove trumpets from horn base, by unscrewing the trumpet.
3. Connect a small piece (8-12 inches) of air line to each of the solenoids on the horn.



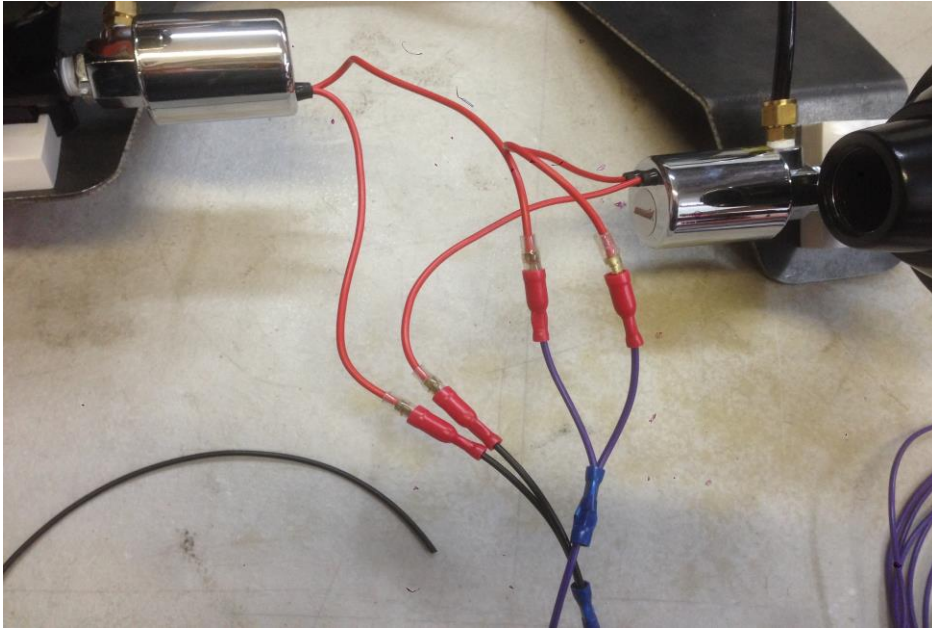
4. Connect these 2 small pieces of airline to the “T” compression fitting.
(included in the horn box)



5. Use the supplied black and purple wire, make a “Y” connection for the solenoids.
(Use the supplied blue butt connectors and the red female bullet connectors.)



6. Connect the wires to the solenoid. One black wire will go to each solenoid. One purple wire will go to each solenoid. It does not matter which one goes where, as long as one black and one purple wire is to each solenoid.



7. Secure the airline to the “T” fitting, secure the wiring, and crimp on the ring terminal for grounding the solenoids once the bracket is mounted into the Jeep.



(keep the trumpets off until mounted for ease of installation, they can be re-installed once all the mounting and wiring is finalized.)

Mounting the bracket

1. Locate the horizontal beam above the rear differential. There is a small wiring harness, attached to the top of the support with two plastic clips. Remove the clips to allow free movement of the wiring harness. It is not necessary to salvage the clips – they will not be re-used (see photo 1).
2. Insert two 5” mounting bolts into each rear mount plate (see photo 2).



Photo 1 – Horizontal beam with wiring harness clips removed



Photo 2 – Rear Mount Plates with bolts inserted

3. Work from the driver’s side of the vehicle and slide all three rear mount plate/mounting bolt sub-assemblies onto the horizontal beam. The rear mount plates should be towards the rear of the vehicle, the bolts should be extending over and below the beam, pointing toward the front of the vehicle (see photo 3). As each sub-assembly is positioned over the beam, slide it towards the passenger side of the vehicle so that the three sub-assemblies are spaced at roughly the same intervals as the three sets of mounting holes on the bracket (see photo 4). Make sure the wiring harness you detached from the beam earlier is lying on TOP of the bolts and not running under the bolts! *Helpful Tip: Using electrical tape to temporarily hold the bolts on the rear mount plates will make this task easier.*



Photo 3 – Slide the rear mount plate/bolt assemblies over the beam. Work from the driver’s side and slide the assemblies towards the passenger’s side



Photo 4 – All three rear mount plate/bolt assemblies in place.

4. Position the bracket in front of the beam, then align the rear mount/bolt assemblies so that the bolts pass through the mounting holes in the bracket. Hand tighten the six Nyloc nuts onto the bolts.
5. Position the entire bracket assembly towards the passenger side of the beam. There is a welded joint at the end of the beam – the bracket should be butted up against that weld.
Do not try to attach the bracket over the weld
6. Using an 11mm gear wrench or a ratchet with a 6” extension, tighten the six Nyloc nuts. Alternate between top and bottom so that the rear mount plates sit flush against the back of the beam and the bolts sit flush on the top and bottom of the beam. Use a wrench to hold the bolt heads while tightening.

Wiring and air line connection

1. With the bracket fully secured and mounted, the ground wire can be connected to a paint free metal surface.
2. The purple wire along with the airline can be routed down the driver side frame rail.
3. The airline will be connected to the JK-OBA by removing one of the plugs and using the supplied compression fitting.
4. The purple wire can continue along the frame rail to enter into the cab of the jeep. The wire should be routed to the location of the button for later connection.
5. Find a suitable location for the pushbutton and drill a hole. Run the purple wire from behind and through the hole along with the supplied section of 18-gauge red wire. Slide the pushbutton retaining nut over both wires, then connect the purple to one terminal of the pushbutton and the red to the other terminal. Install the pushbutton into the hole and tighten the nut.
6. The red wire can be connected to a fuse 12v+ power source.
7. Once all the connections have been made, test the system for functionality
8. Enjoy!!

□ **Kleinn Model JK 220**

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LIMITED WARRANTY

Kleinn Automotive Air Horns warrants this product, when properly installed and under normal conditions of use, to be free from defects in workmanship and materials for a period of one year from provided date of purchase. To receive a replacement or for repairs, return the complete unit to retailer from whom it was purchased along with proof of purchase.

Returns should be made within the time period and conditions of the retailer's policy for exchanges. If you are unable to contact your dealer, contact Kleinn directly for repairs or replacement at our option.



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