

JKU CMM Billet ARB Under Seat Air Compressor Installation Recommendations

Thank you for purchasing the CMM ARB Under Seat Air Compressor Bracket!

This is intended for reference and a general guide.

Key Points

This bracket requires fairly extensive mechanical and electrical wiring knowledge.

Please read this thoroughly before starting.

You will need a good supply of tools and a fairly large clean space to work.

If you are using a sPOD, **DO NOT** connect the main power and ground wires to the sPOD. This compressor draws too high of an amp load for the sPOD.

Lengths of air line and fittings will vary depending on the complexity of your installation.

Use blue Loctite on ANY seat hardware that you remove and reinstall.

We have had good results using 3/8" SAE J844 Type B Air Line and corresponding fittings.

This is the same line/fittings used on Semi's/Road Tractors air brakes and can usually be sourced at your local NAPA. A 90 degree fitting works best coming out of the compressor.

Once you have disconnected the airbag plugs under the seat, **DO NOT** cycle the ignition. If you do, it will require going to the dealer to re learn the sensor in the seat.

Preperation

Follow the instructions that came with the compressor and rotate the outlet to the farthest position toward the rearward motor that will still allow the 90 degree fitting to clear the opening.

Attach a 90 degree fitting to the compressor outlet and clock it to aim at the fan/electrical side of the compressor.

Mount the compressor to the bracket with the four metric bolts supplied with the compressor and to the side marked "**COMPRESSOR SIDE**". When mounted correctly you will be able to read "**COMPRESSOR SIDE**" and also the wording on the compressor will be right side up and the intakes of the compressor will be on the left.

Seat Removal

The passenger seat will need to be removed by removing the 4 bolts that attach the seat stanchions to the Jeep floor. Disconnect all wires and remove the seat belt attachment bolt.

Set the seat back in a reclined position and place the seat on the floor with the seating surfaces facing the floor.

Remove the 6 nuts that attach the seat stanchions to the adjuster tracks and remove the stanchions.

Compressor Mounting

Place the compressor/bracket assembly on the studs. The nuts that hold the seat adjuster to the seat may need to be loosened to achieve proper alignment.

Reinstall the seat stanchions sandwiching the compressor bracket between the adjuster tracks and the seat stanchions. Use blue Loctite on these nuts!

Make sure the nuts that hold the seat to the tracks are tight.

Interior Prep, Wiring and Air Lines

You will need to remove the RS kick panel/rocker panel and unfasten the carpet where it splits right behind the front seat forward mounts.

The terminal end of the compressor wiring harness will need to be next to the transmission tunnel at about the mid point of the seat and then route forward to the body tub stiffener where it will then go toward the passenger door. Once to the rocker panel, route it forward to the firewall.

We generally run the wires thru the large firewall pass thru on the passenger side that comes out just below the battery tray. This will require removing the battery tray/electrical block / air cleaner / etc... Please refer to a factory service manual for this part. Once these parts are out of the way, you can access the pass thru from the engine compartment side.

The main power and ground wires should be directly connected to the battery.

If you are running this air comp and DO NOT plan on having ARB diff locks, you can de-loom the entire small wiring harness. The purple wire needs to go to a switchable 12v power source.

If you ARE using ARB Air Lockers, refer to the ARB instructions for wiring.

The air line should start out running in the same manner as the wiring.

The amount of lines/fittings and placement is up to you. We have put them everywhere from the front bumper to the rear bumper, interior, exterior and under the hood.

Seat Reinstall

Move the seatback to the farthest forward position and place the seat back in the jeep. Tipping the entire seat rearward onto the rear seat will gain you some clearance to prepare to reconnect the wiring.

As you tip the seat back into its normal position, connect the compressor harness, the factory seat wiring and the air line.

Once the seat is back into its position and all wiring is routed and tied up safely, check that the seat can travel thru its range freely and all wiring clears moving parts.

Reinstall the 4 seat mounting bolts to factory specs.

Enjoy Your New CMM Billet ARB Compressor Mount!

If you have any technical questions, please feel free to call: (704) 213-4319

