

JK ARB Dual Compressor Bracket Install

READ ALL INSTRUCTIONS BEFORE BEGINNING INSTALLATION!

Overall this is an easy installation that someone can tackle in their driveway with just a few tools. Make sure and keep an eye on all clearances to existing components of the Jeep. The images in this installation manual are for a 2011-2016 Jeep JK, the basic procedure will be the same for the older JK's.

Tools Required:

13mm 3/8" Drive Socket

4" 3/8" Drive Extension

3/8" Drive Universal Joint

3/8" Drive Ratchet

10mm 3/8" Drive Socket

10mm Wrench

ARB Compressor Installation Manual

ARB Manifold Installation Manual (If manifold is used)

SPOD Installation Manual (If SPOD is used)

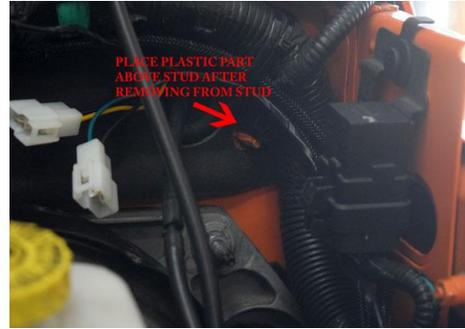
Step 1:

Decide which direction is the best for the installation of your ARB compressor. It can be installed with the compressor facing the rear of the Jeep or facing towards the front of the Jeep. If you plan to use the holes provided in the bracket for the ARB manifold you will need to install the compressor with the wiring facing the rear of the Jeep as seen in the images in this installation guide.

Once you have decided which direction is best for your application refer to your SPOD and ARB manual for wiring and plumbing directions. Route all wiring and plumbing to the side of the bracket that will be closest to the wiring on the ARB compressor.

Step 2:

On the 2011-2016 JK there is a plastic part that pushes over a stud on the firewall that holds part of the wiring harness in place. This plastic piece will have to be pulled free from the stud and put to the side of the stud to provide clearance for the new bracket. The image below shows the plastic piece, and its final location.



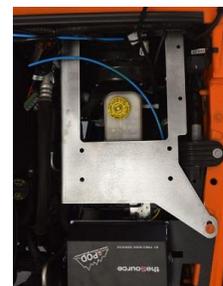
Step 3:

Now you will need to remove one of the bolts on top of the fender with a 10mm wrench. You will also need to loosen two nuts on the firewall behind the brake booster with a 13mm socket. The two nuts do not need to be removed, thread both of them out until they reach the end of the stud they are installed on.



Step 4:

Put the bracket into place over the studs coming out of the firewall. Push the bracket as far as it will go towards the back of the Jeep. Verify that the hole in the fender lines up with the slot in the bracket. Put the fender bolt in hand tight to verify fitment.



Step 5:

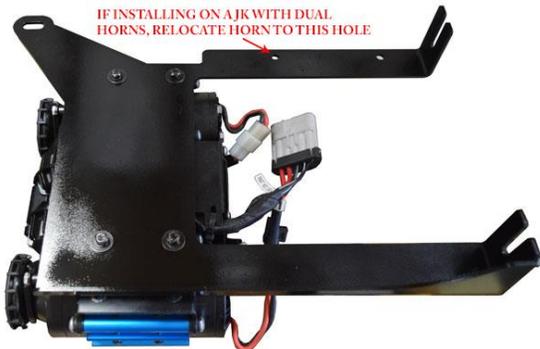
Remove the bracket and apply paint or powder coat of your choice.

Step 6:

You now need to install the 90° fitting into the compressor outlet. The fitting needs to be rotated as close to the body of the compressor as possible to provide clearance for the hood of the Jeep after installation. Refer to your ARB compressor manual for instructions to rotate the compressor outlet.

Step 7:

The compressor needs to be attached to the bracket before installing the bracket in the Jeep. There are holes provided in the bracket to facilitate the mounting of the compressor. When installing the compressor it needs to be installed so that it is as close to the engine as possible when the assembly is installed in the Jeep. See image below, the compressor should overhang the bracket as seen in the image.



Step 8:

If using the ARB manifold it also needs to be bolted to the existing holes in the bracket. The solenoid valves, inlet fitting, and the tire inflation fitting need to be angled as shown below for clearance. After setting the angle on all components, install the braided steel hose that came with the manifold. Attach the hose to the 90° on the compressor outlet to the inlet fitting on the manifold. Image below shows all components in their final locations.



Step 9:

Install assembly into Jeep. Slide the bracket over the two studs on the firewall, push the bracket towards the firewall as far as it will go. Install the bolt in the fender hand tight. While keeping light downward pressure on the back of the bracket tighten the two nuts with the 13mm socket, extension, universal joint, and ratchet. Using a 10mm wrench or socket tighten the fender bolt, after both nuts have been tightened.

Step 10:

Using you the instructions provided with you compressor and SPOD make all of the appropriate electrical and pneumatic connections.



Congratulations you are now finished installing your ARB dual compressor mounting bracket!

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