

AiROCK™ Quick Install Guide



The Controller is designed to be attached to the top center of the dash bezel with the already attached self-adhesive tape. Please clean dash mount thoroughly and prep surface for installation with an alcohol pad. The control cable should be run through the dash and exit on top under the defroster cover.



The AiROCK Control Unit (ACU) can be mounted anywhere under the hood, limited only by the wire harness which is designed to have the main junction at the center of the firewall. This unit will have all four airspring airlines run to it as well as the pressure supply line. This unit is shown mounted on the ABS tray, but may be placed almost anywhere in any position.



The front Airspring assemblies are designed to bolt into the stock location. They **must** be installed so that the “F” mark on the mount is to the front of the vehicle. The upper bump stop mount must be trimmed down to 2” from the steel spring seat, not the isolator. The lower spring mount will have a 1/2” hole drilled in it to match the new lower mount. Use the supplied hose to start the lower nylock nuts inside the bracket. A 3/4” crowfoot wrench is necessary for tightening the right front lower. Insert the airline. Use the airline to feel for the fitting in the tube and push to insert, pull to lock. Ensure that the proper trim technique and trim tool (supplied) is used to trim the airline.



The rear Airspring assemblies are designed to bolt in the stock location as well, as shown. The upper bump stop hole must be drilled to 3/8”, the lower spring plate must have a 1/2” hole put in the center. Remove the rubber upper and plastic lower OEM spring cushions. Insert the airline, again ensuring the proper trim technique is utilized.

AiROCK™ Kit Components



KIT CONTENTS

- | | |
|----------------------------|--------------------------------|
| A: FRONT AIRSPRINGS | G: SHOCKS |
| B: REAR AIRSPRINGS | H: WIRING HARNESS (SEE PAGE 4) |
| C: STANDARD IN-CAB CONTROL | I: AIRLINE |
| D: AiROCK MANIFOLD | J: SPEED HARNESS (SEE PAGE 4) |
| E: REAR SENSOR MOUNTS | K: TUBE CUTTER |
| F: FRONT SENSOR MOUNTS | |

RECOMMENDED INSTALLATION ORDER

- INSTALL ACU
- INSTALL CONTROLLER
- INSTALL AIRLINE
- INSTALL WIRE HARNESS
- INSTALL FRONT AND REAR AIRSPRINGS
- INSTALL SHOCKS
- PERFORM CALIBRATION PROCEDURE

It is recommended to install the airsprings last, since you will need the In-Cab Control to inflate the airsprings before you remove the jack supports from the vehicle.

REQUIRED TOOLS

- FLOOR JACK
- JACK STANDS
- 3/4" CROWFOOT WRENCH FOR 3/8" RATCHET DRIVE (SEE BELOW)
- RECIPROCATING SAW OR HACK SAW WITH METAL CUTTING BLADE
- STANDARD ELECTRICAL TOOLS
- STANDARD HAND TOOLS
- 3/8" DRILL BIT
- 1/2" DRILL BIT



Crowfoot wrench can be found at most hardware store or tool outlets like Sears or Home Depot usually for less than \$10.00

NOTE: The 1 year Airspring warranty does not cover the Airspring if damaged due to incorrect installation or interference with other vehicle components. Please ensure that there are no bolts, brackets etc, that could come close to interfering with the operation of the air spring.

AiROCK™ Reference Data

The AiROCK system refers to the four corners of the vehicle in a Numerical pattern. The ACU is labelled with roman numerals that depict which port is for which airspring. For the purpose of this manual and any and all correspondence with ORO, the left and right sides of the vehicle are determined from the drivers seat. American vehicles obviously are left hand drive, therefore drivers side is the left side.

The respective ACU port is shown in the parenthesis.
The positions are as follows

1. Left Front (I)
2. Right Front (II)
3. Left Rear (III)
4. Right Rear (IV)

For the purpose of this manual, the height sensors are labeled as H1 thru H4, H1 being Height sensor position 1, and H2 thru H4 respectively. So when the harness is labeled H1 in the photo, that is obviously Height Sensor position 1.

The sensors are labeled with a colored sticker. The color of the sticker correlates with the color of the signal wire in the wire harness from that position. The colors and corners are as follows:

1. Left Front - Yellow (I)
2. Right Front - Green (II)
3. Left Rear - Red (III)
4. Right Rear -Blue (IV)

The wire that matches this scheme is the B terminal on the 3 plug connectors for the height sensor harness.

NOTE: Some models may have Violet in exchange of Blue.

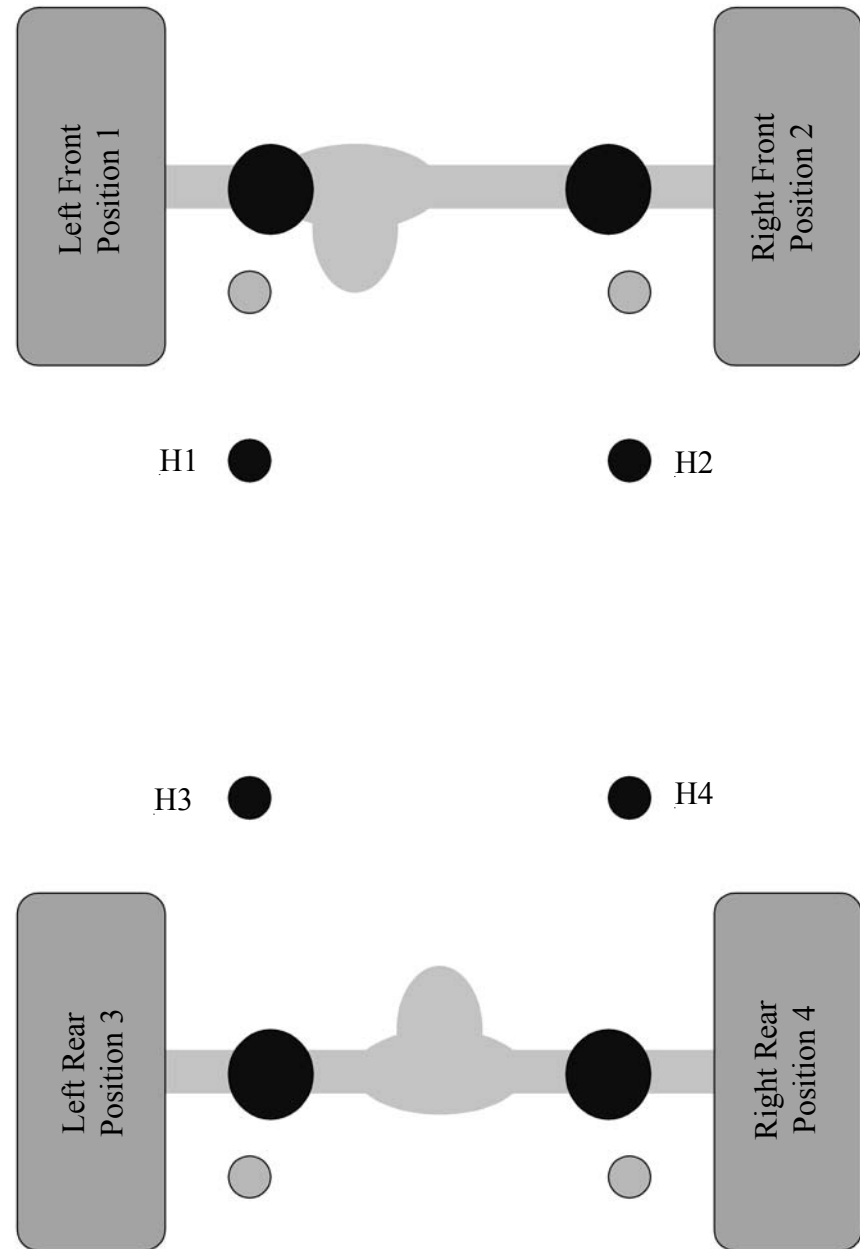


FIGURE 3.1 Simulated Top view of Jeep Chassis to show position relationships