

MAXIMUS-3

JT GLADIATOR/JLU WRANGLER

VIAIR DUAL COMPRESSOR MOUNT (ONBOARD AIR SYSTEM)

PART #: JL4002AC

INSTALLATION GUIDES

PLEASE MAKE SURE YOU READ AND UNDERSTAND THE ENTIRE INSTALLATION GUIDE BEFORE YOU START. WE EXPECT YOU TO HAVE BASIC MECHANICAL ABILITIES TO PERFORM THIS INSTALLATION.

WE RECOMMEND THAT YOU SEPARATE AND IDENTIFY ALL THE PARTS AND HARDWARE KITS YOU RECEIVED WITH YOUR SHIPMENT BEFORE YOU PROCEED.



IMPORTANT

Follow these instructions precisely. Maximus-3 is not liable for any damage caused by improperly installed products. It is the purchaser's responsibility to ensure both the installation and maintenance are performed properly as set forth in this guide.

Component List:

Quantity

Tools Required:

Compressor Mount	1
Compressor Rear/Bottom Mount Bracket	1
Compressor Front/Top Mount Bracket	1

- ✓ Metric Drive Sockets
- ✓ Metric Open Wrenches
- ✓ Metric Allen Keys Set

Hardware Kits

Bottom/Rear Bracket to Frame

M8 x 25 flanged Hex Bolts – Yellow	2
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Top/Front Bracket to Frame

M10 x 30 Flanged Hex Bolt – Yellow	1
M10 x 70 Flanged Hex Bolt – Yellow	1
M10 Flanged lock Nut – Yellow	1

Compressors to Mount Plate/Cradle

M6 x 30 Stainless Steel Bolts – Black	8
M6 Hex Flanged Nut	8
M6 x 14 Stainless Steel Washer	8

Air Tank to Mount Plate/Cradle

M8 x 25 Flanged Hex Bolt – Yellow	4
M8 Hex Flanged Nut – Yellow	4

Cradle Assembly to Mount Brackets

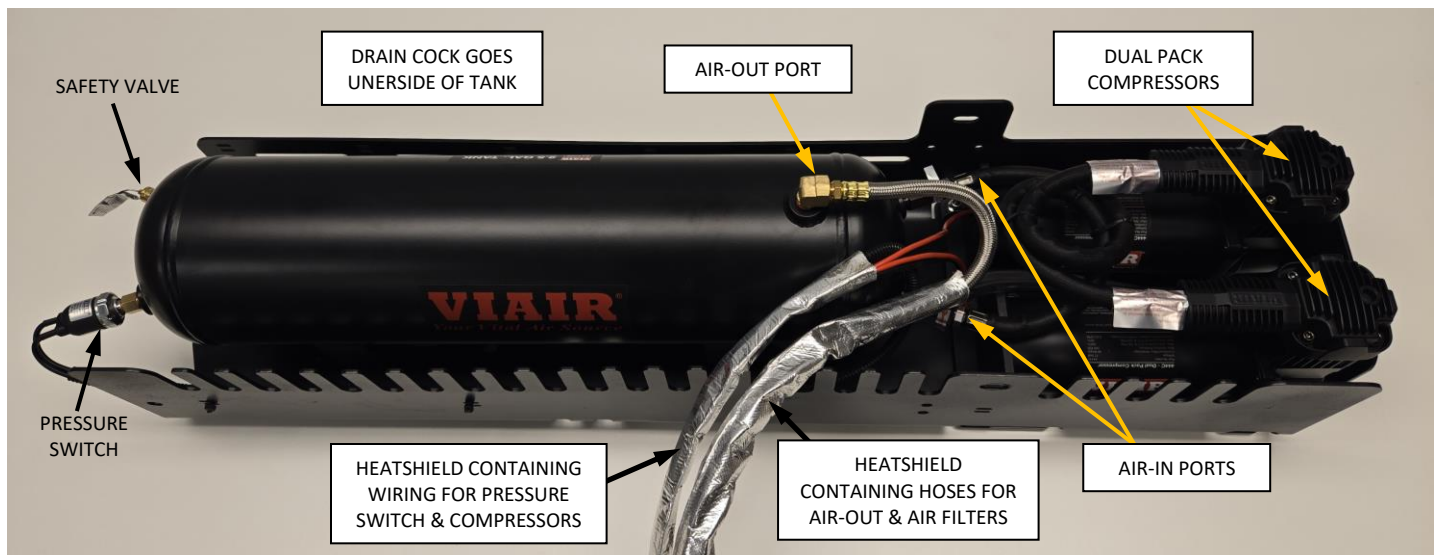
M8 x 25 Flanged Hex Bolt – Yellow	3
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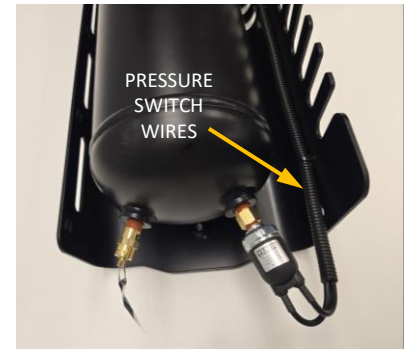
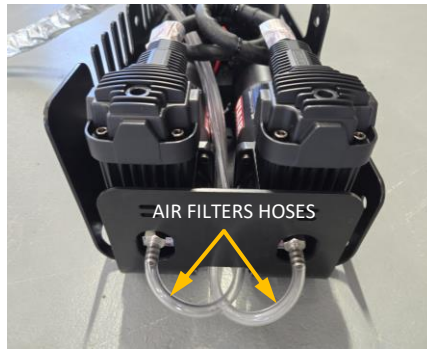
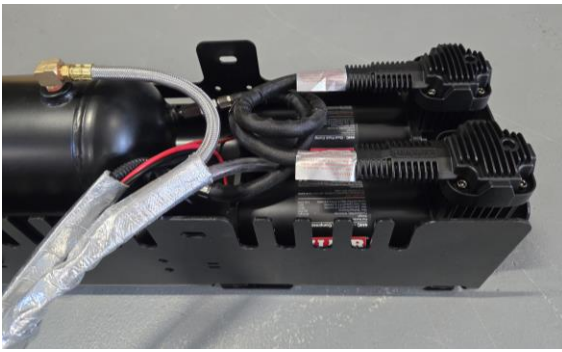


INSTALLATION STEPS

1. PREASSEMBLE YOUR AIR COMPRESSOR TANK AND PUMPS TO MAXIMUS-3 COMPRESSOR CRADLE.

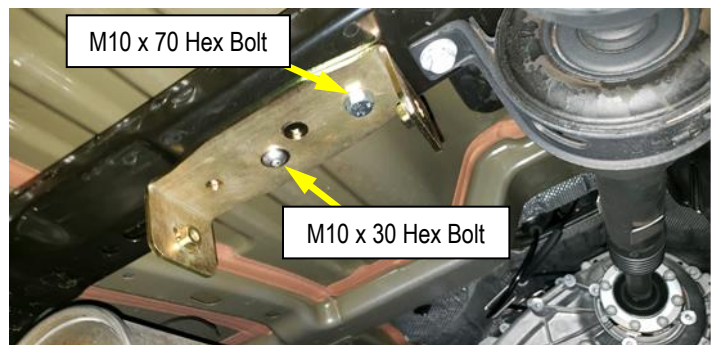
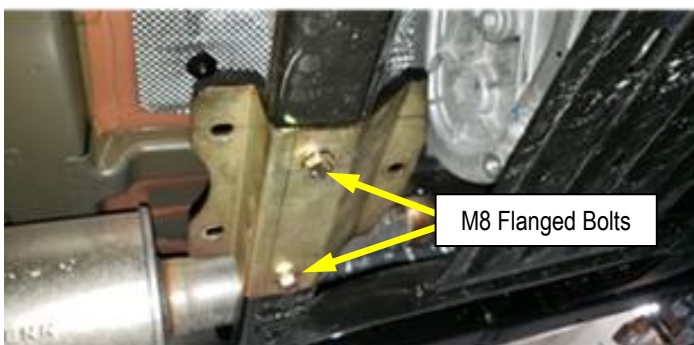
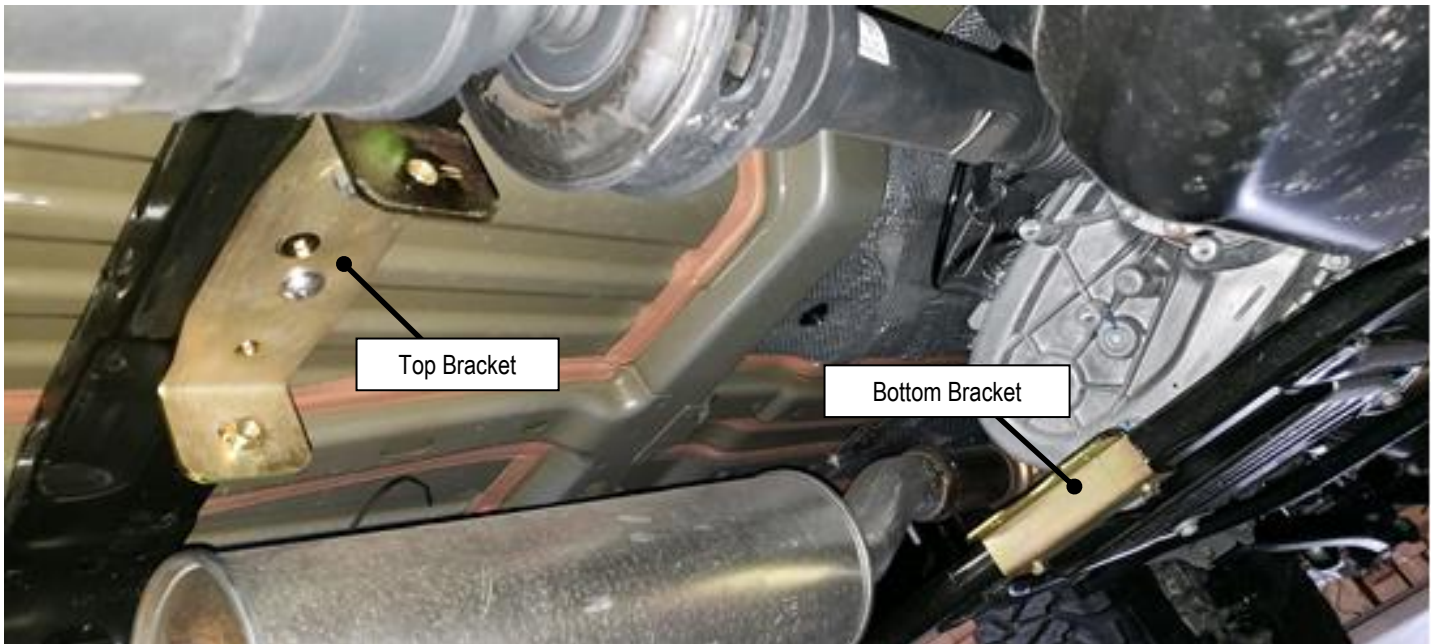
- A- Assemble your fittings (safety valve, pressure switch, drain cock, braided air hose) to the tank. Use thread seal.
- B- Bolt the tank onto Maximus-3 cradle using the bolts and nuts supplied with the kit, as shown below.
- C- Optional: Connect air filter barb fittings into compressors if you are relocating filters to under the hood.
- D- Bolt the compressors onto Maximus-3 cradle using the M6 bolts, washers and locknuts supplied by Maximus-3, as shown in the pictures below. Do not use the metal sleeves/bushings that came with VIAIR hardware.
- E- Connect the compressors air hoses to the tank. Apply thread seal (liquid or tape) to prevent air leakage.
- F- Extend pressure switch wires and secure to cradle body as shown in the pictures below.
- G- Optional: Connect your air filter hoses to the barb fittings you installed in step (C).
- H- Connect to a battery to test compressors function and make sure that there are no air leakages from the ports.
- I- Place all the wires inside a heatshield sleeve (2.5ft – 3ft length) and the air hoses in another heatshield to protect them from exhaust pipe heat. Refer to the pictures below.





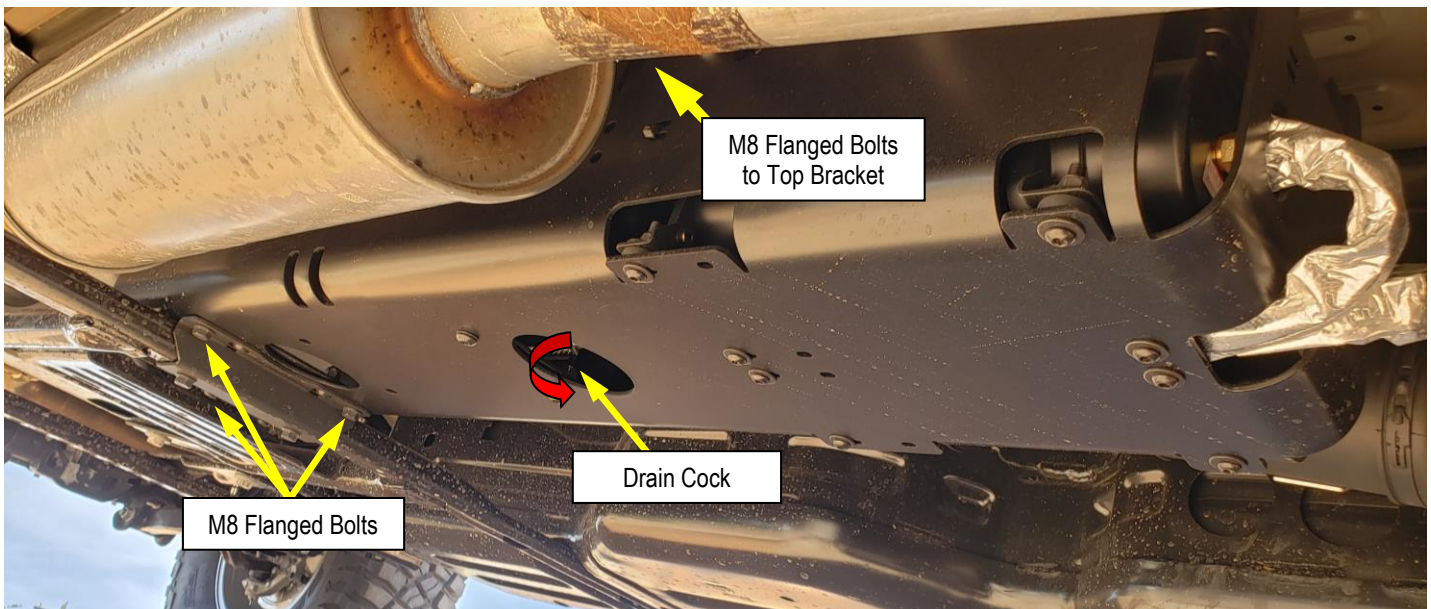
2. INSTALL REAR AND FRONT MOUNTING BRACKETS TO VEHICLE'S SUB-FRAME CORSS MEMBERS.

- A- Bolt Maximus-3 bottom bracket to the frame using two (2) M8 flanged hex bolt supplied. See picture below.
- B- Bolt Maximus-3 top bracket to the frame using the long M10 flange hex bolt and nut supplied, as shown below.



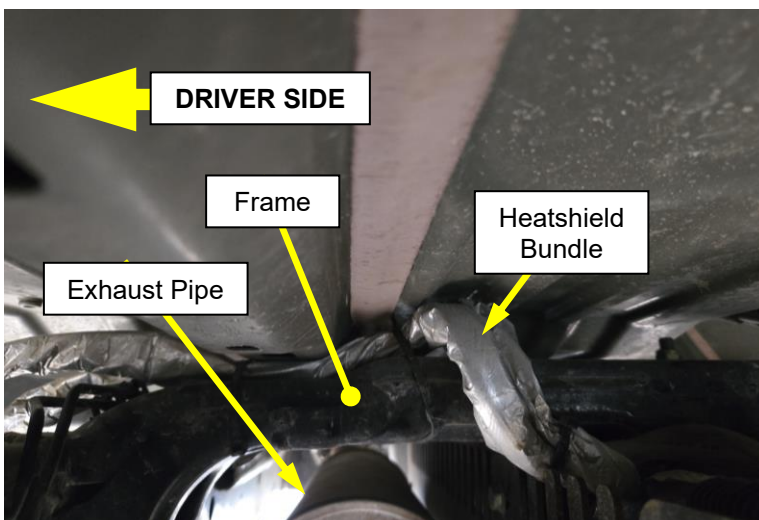
3. INSTALL THE COMPRESSOR CRADLE ASSEMBLY YOU PREPARED IN STEP 1 TO THE VEHICLE:

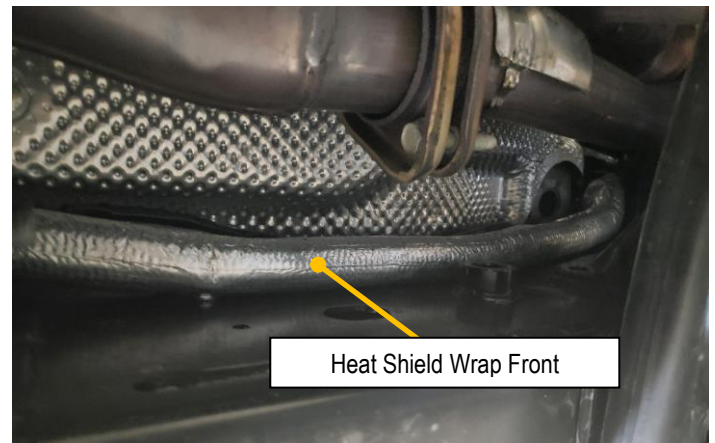
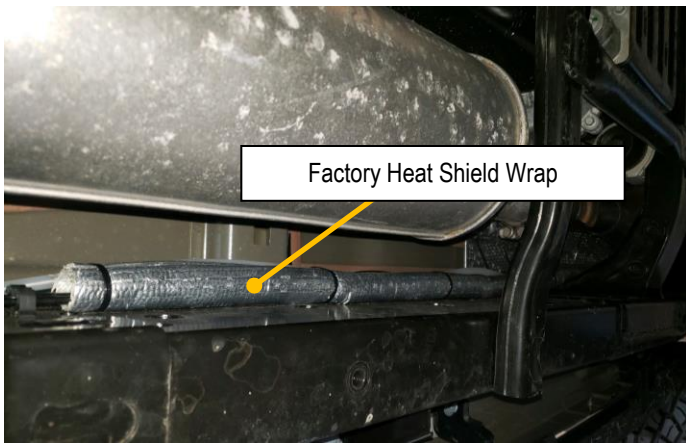
- A- Band both heatshield sleeves together with cable ties and cable tie everything together in one loom.
- B- Now lift the compressor cradle assembly and bolt it to the brackets you installed in step (2) using M8 Bolts supplied with the kit. Use two (2) bolts on top bracket and three (3) bolts on bottom bracket.
- C- Make sure the wiring and hoses bundles are not pinched or kinked in any way.



4. ROUTE YOUR AIR HOSES AND WIRING TO DRIVER SIDE GOING OVER THE EXHAUST PIPE:

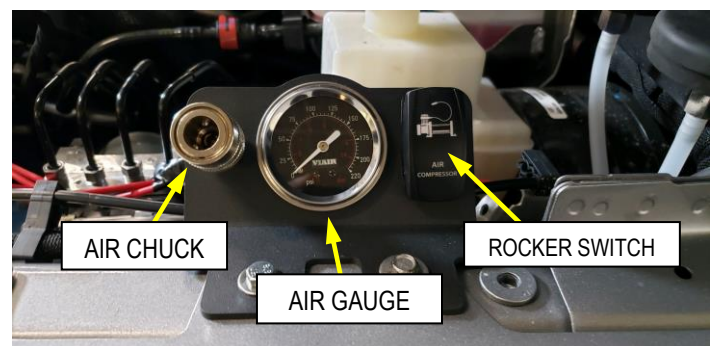
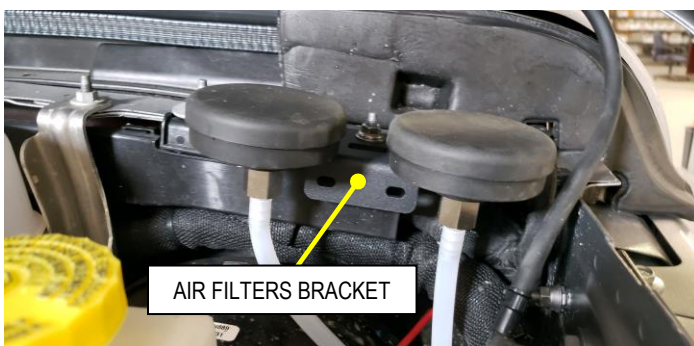
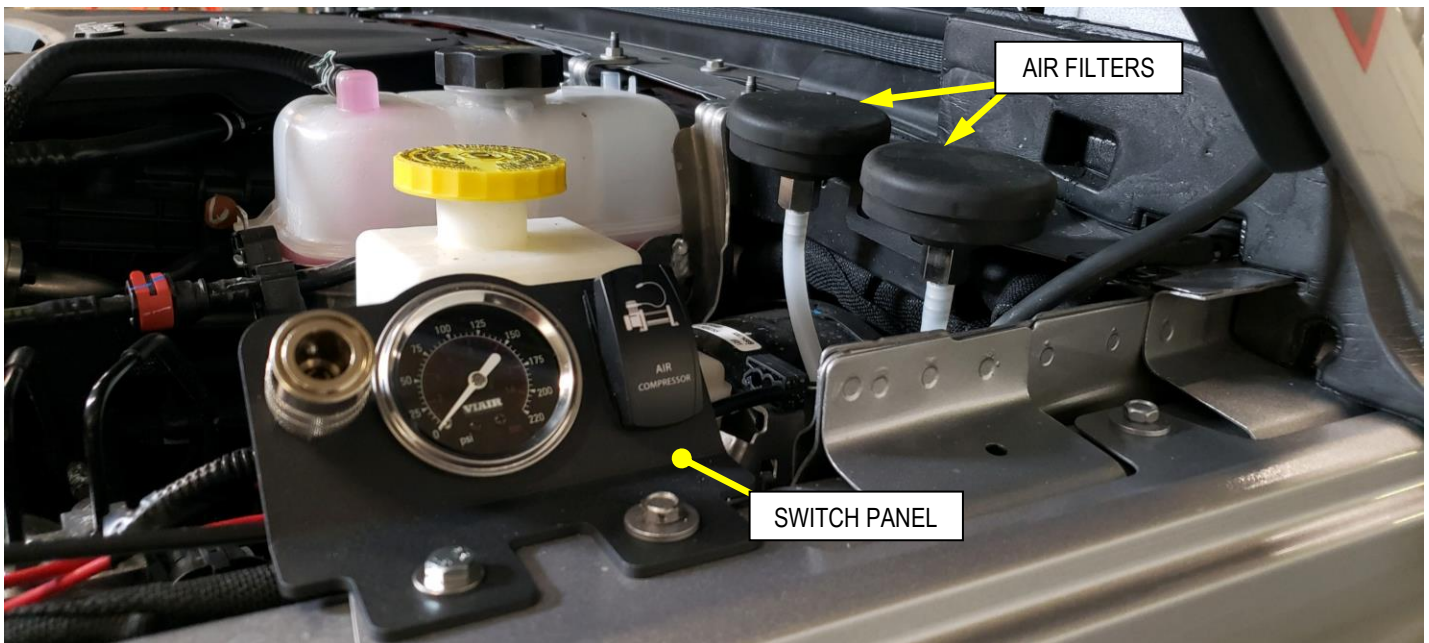
- A- Route the hoses and wiring loom towards the driver side over the exhaust pipe and above the frame cross member as shown in the picture below.
- B- Optional: If you are mounting your switch panel under the hood, run the wiring and hoses bundle to the front inside the frame. Alternatively, run along the frame inside the factory heat shield wrap and secure with cable ties.





5. OPTINAL: CONNECT WIRING AND AIR HOSES, AND ROUTE TO THE FRONT UNDER THE HOOD:

- A- If you are using Maximus-3 Air Filter and Switch Panel Kit, route your wiring to the front and up under the hood on the driver side by brake booster area.
- B- Install your Maximus-3 Air Filter and Switch Panel brackets as shown below and wire following the wiring diagram and instructions provided by VIAIR or your compressor manufacturer.
- C- Use your judgment and secure your wires and hoses with cable ties away from any moving parts.



Your installation is complete. If you have questions regarding this installation, please contact us at sales@maximus-3.com or call 248-821-6654.