



Your Vital Air Source

DUAL VMS PRO – ASSEMBLY INSTRUCTIONS



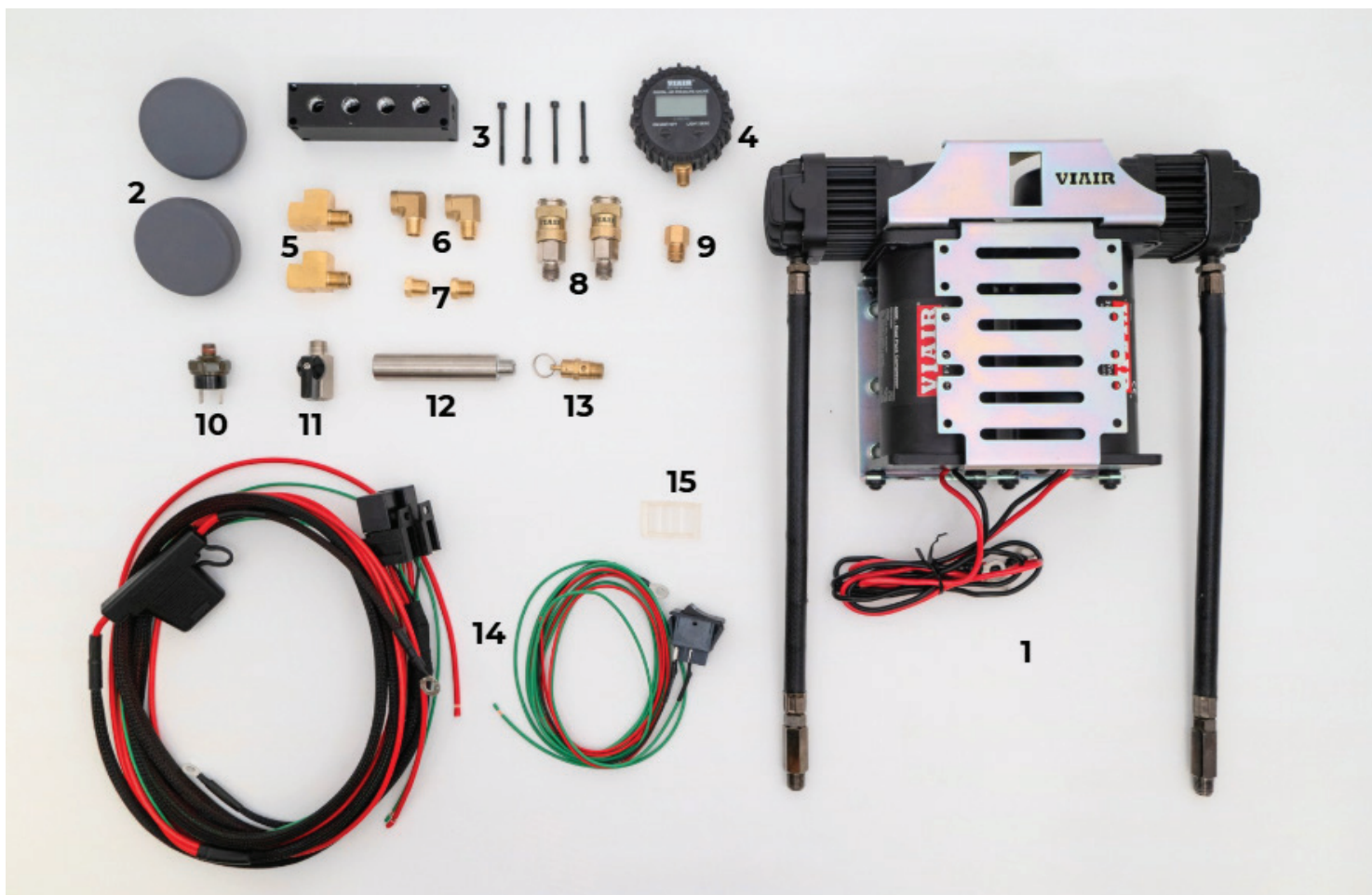
* Both Vertical & Horizontal configurations shown.

Congratulations on purchasing a premium VIAIR product! The DUAL VMS PRO is a complete air management solution that allows you to quickly inflate and deflate 4 tires simultaneously using the 4-Way Hose System included. Follow the instructions to properly assemble your kit, and happy trails.

Please note: Before assembling remove all contents from the package and take your time to carefully go over the parts list.

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PARTS LIST



1. Compressor & Bracket Unit
2. Air Filter (x2)
3. Billet Manifold (x1) & Hardware (x4 screws and bolts)
4. Digital Gauge (x1)
5. T-Fitting (x2)
6. 90-Degree Elbow Fitting (x2)
7. 1/8" to 1/4" NPT Reducer (x2)
8. High-Flow Coupler (x2)
9. 1/4" to 1/4" NPT Reducer (x1)
10. Pressure Switch (x1)
11. 2-Way Ball Valve (x1)
12. 4" Stainless Steel Pipe (x1) *optional depending on configuration
13. Safety Valve (x1)
14. Dual Compressor Wiring Harness & Rocker Switch (x1)
15. Rocker Switch Dust Cover (x1)

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ASSEMBLY NOTES

Important: You must use thread sealant (not included) to keep your DUAL VMS PRO kit airtight - we recommend Loctite 545. Apply a small amount to each fitting before installing.

NPT fittings: National Pipe Thread fittings *do not* have a fixed torque requirement. Proper installation is determined more by clocking and positioning than by an exact torque value. A baseline torque range for reference is 12 to 15ft-lbs for 1/4NPT fittings, and 10 to 11ft-lbs for 1/8NPT fittings.

Tools needed: 2 adjustable wrenches and a 3mm hex key.

CONFIGURATIONS

There are 2 configurations available depending on where you choose to mount your system. Config #1 Vertical has the gauge mounted on the surface of the bracket along with the other controls, while Config #2 Horizontal positions the gauge away from the compressors, allowing you to get creative with fitment and operation of the system.



Configuration #1 - Vertical

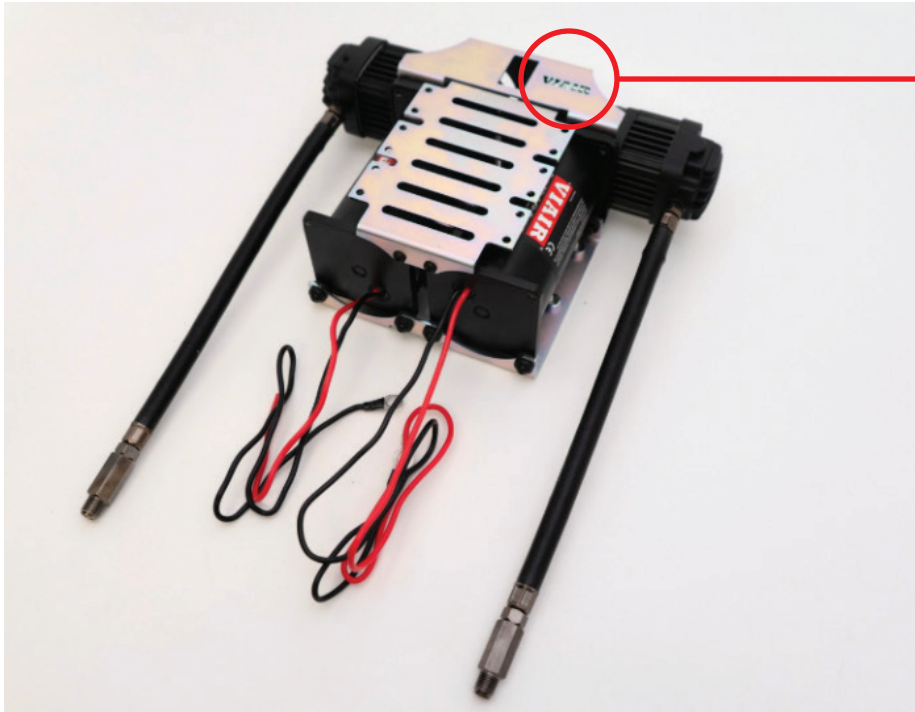


Configuration #2 - Horizontal

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STEP 1:

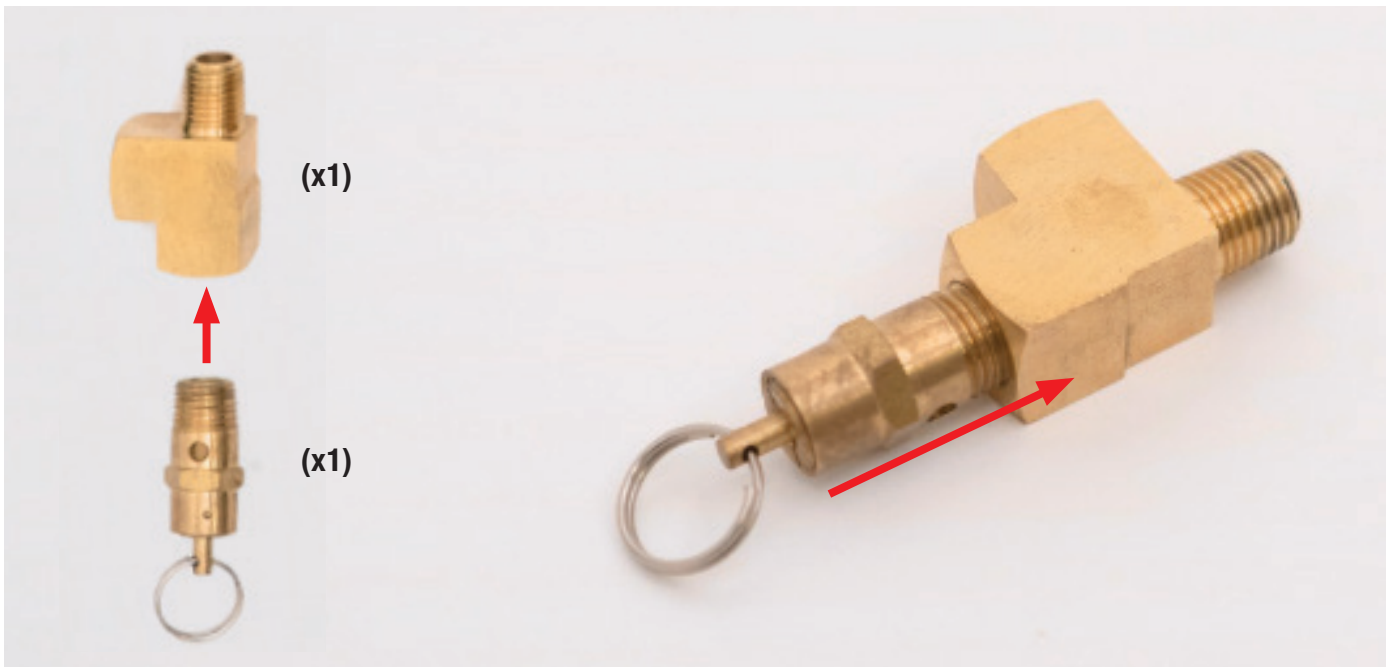
Set the **Compressor & Bracket Unit** down on a flat surface, with the VIAIR logo facing up. Remove all plastic, zip ties, leader hose and crankcase rubber plugs if any are present. Note: do not install the air filters now, they can get damaged when the Compressor & Bracket is moved around during assembly.



VIAIR LOGO FACING UP

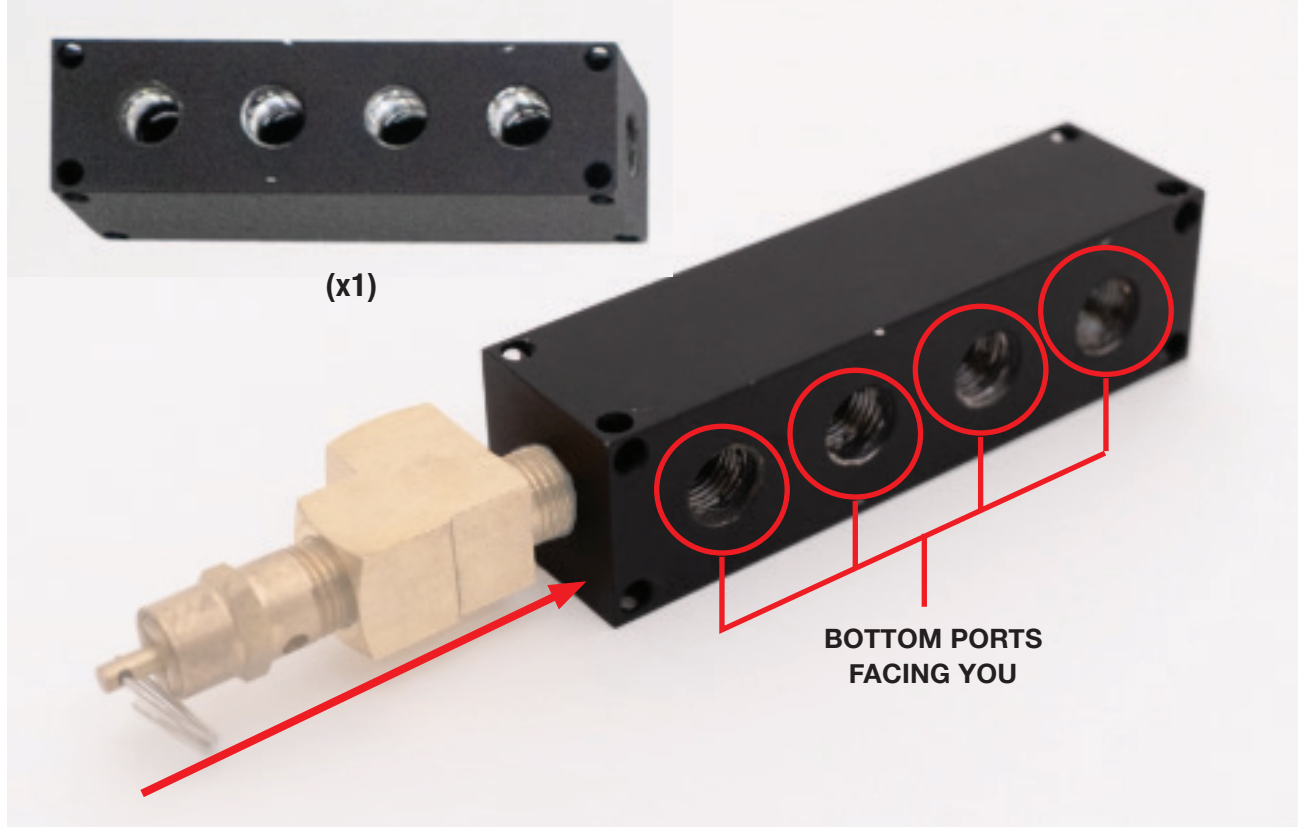
STEP 2:

a. Install the **Safety Valve** into the **T-Fitting** as shown.

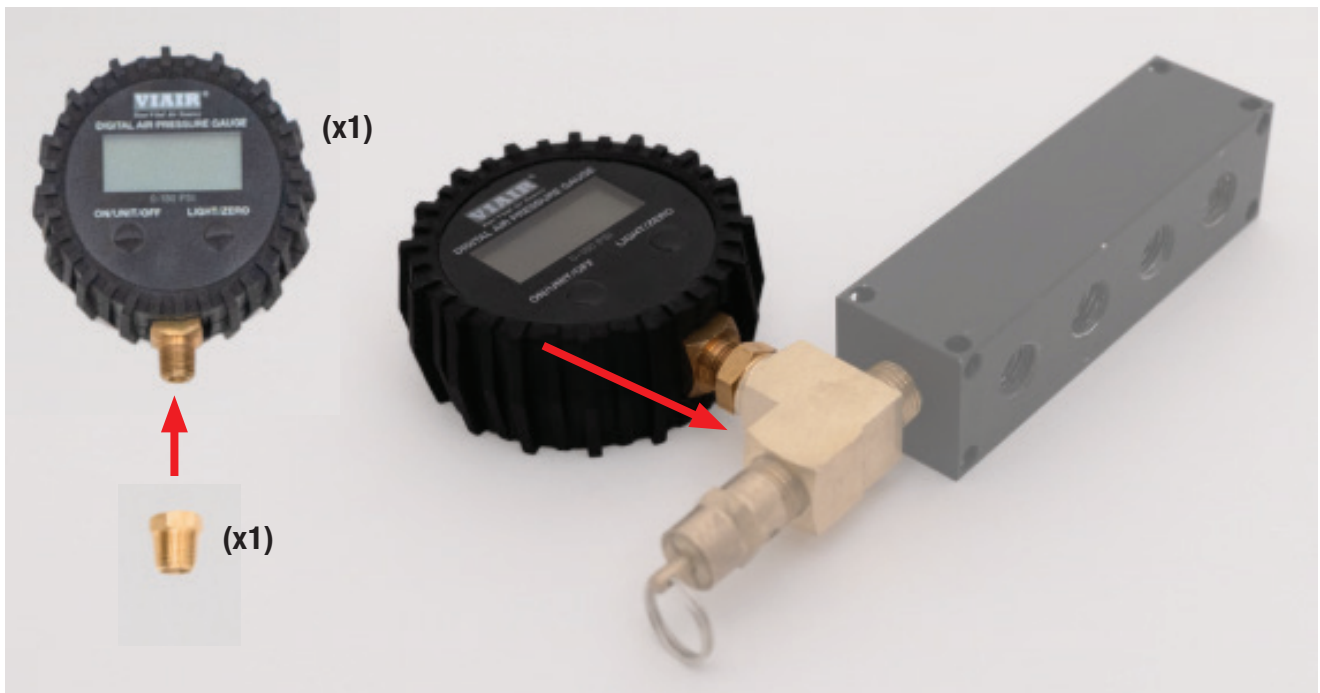


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- b. Place the **Billet Manifold** on a flat surface with the 4 ports perpendicular to the surface, facing your direction. Install the **T-Fitting** on the left side port of the Billet Manifold, the open port of the T-Fitting should face away from you when tightened.

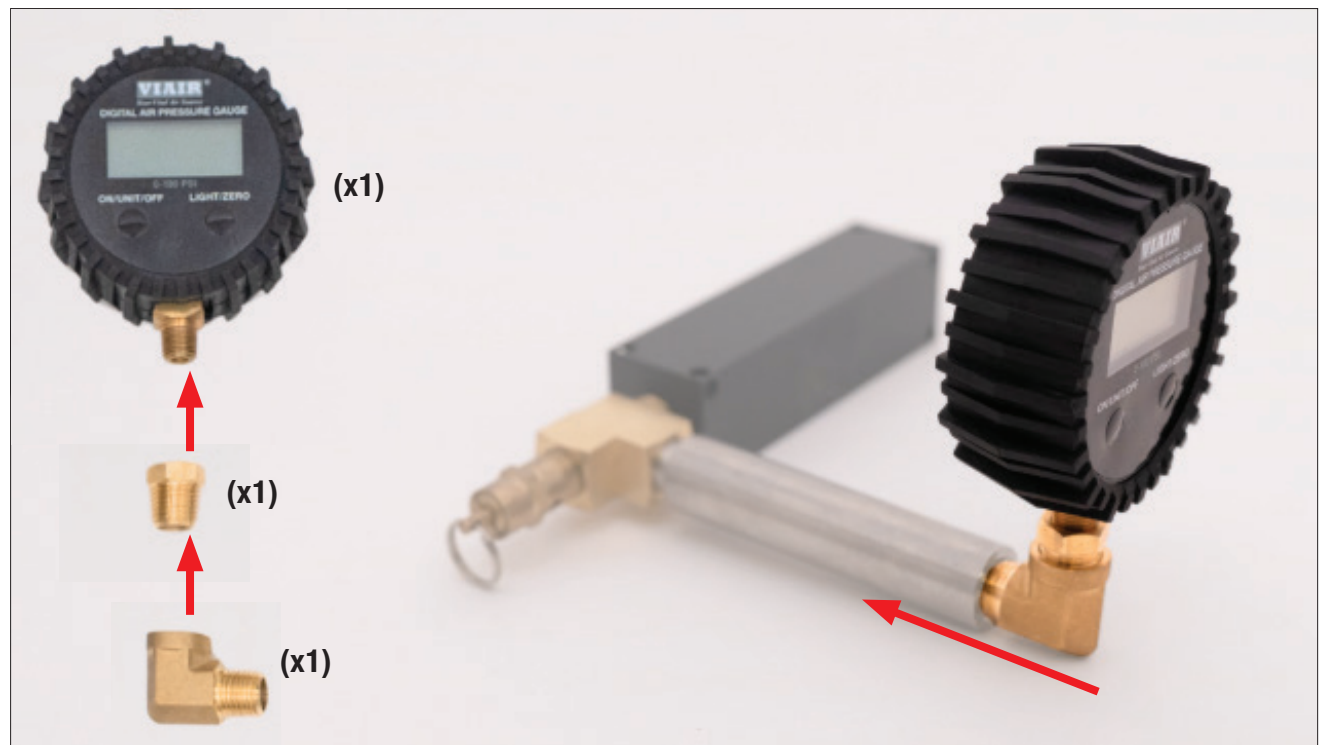
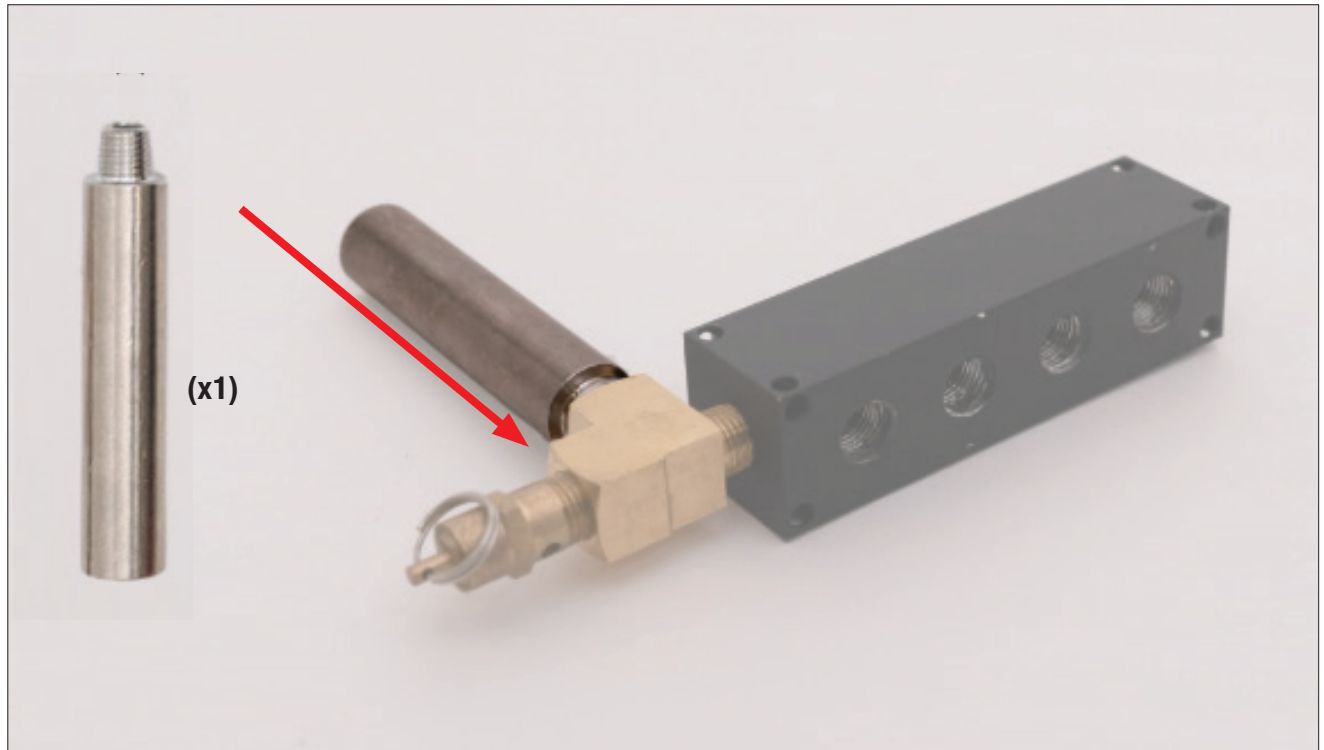


- c. **Configuration #1:** Install the **1/8" to 1/4" NPT Reducer** in the open port of the T-Fitting, then install the **Digital Gauge**. Once the gauge is installed, use a flat surface as a reference for alignment



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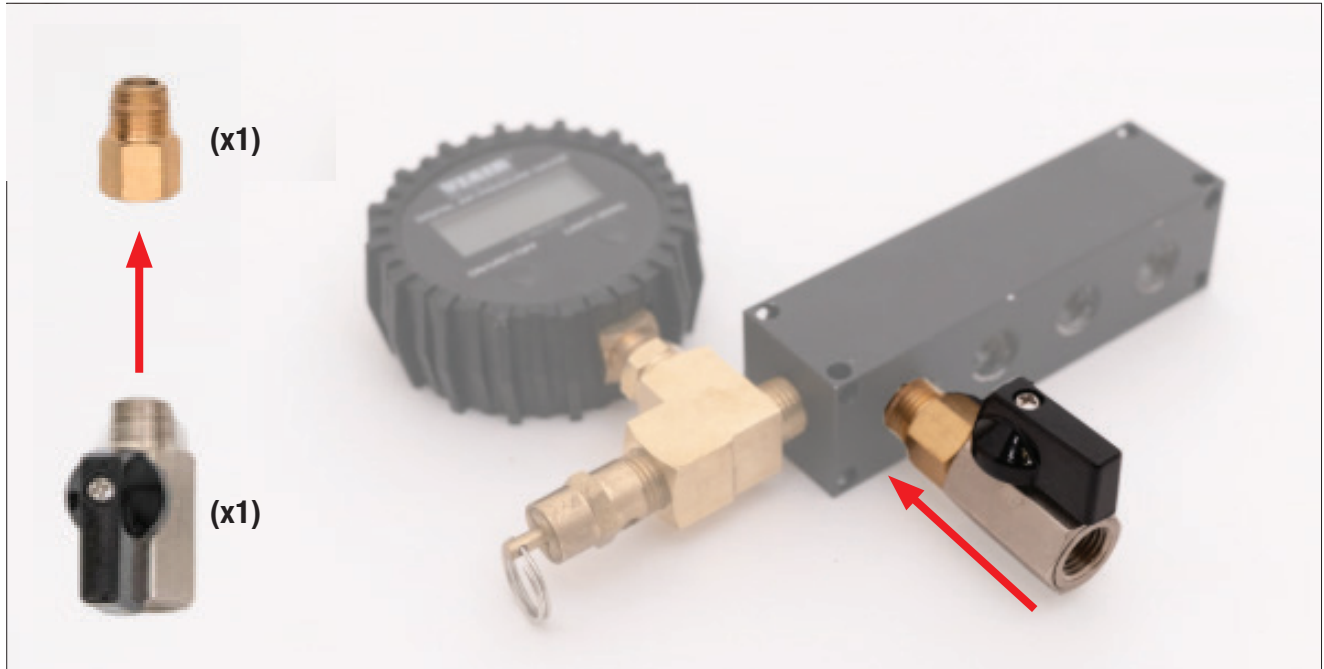
- a. **Configuration #2:** screw the 4" **Stainless Steel Pipe** into the open port of the T-Fitting, then install the **90-Degree Elbow Fitting** and tighten to the clocking desired. Install the **1/8" to 1/4" NPT Reducer** in the open port of the Elbow Fitting, then install the **Digital Gauge**.



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STEP 3:

- a. Install the **1/4" to 1/4" NPT Reducer** in the far-left bottom port of the Billet Manifold, then install the **2-Way Ball Valve**. The handle should face up when tightened

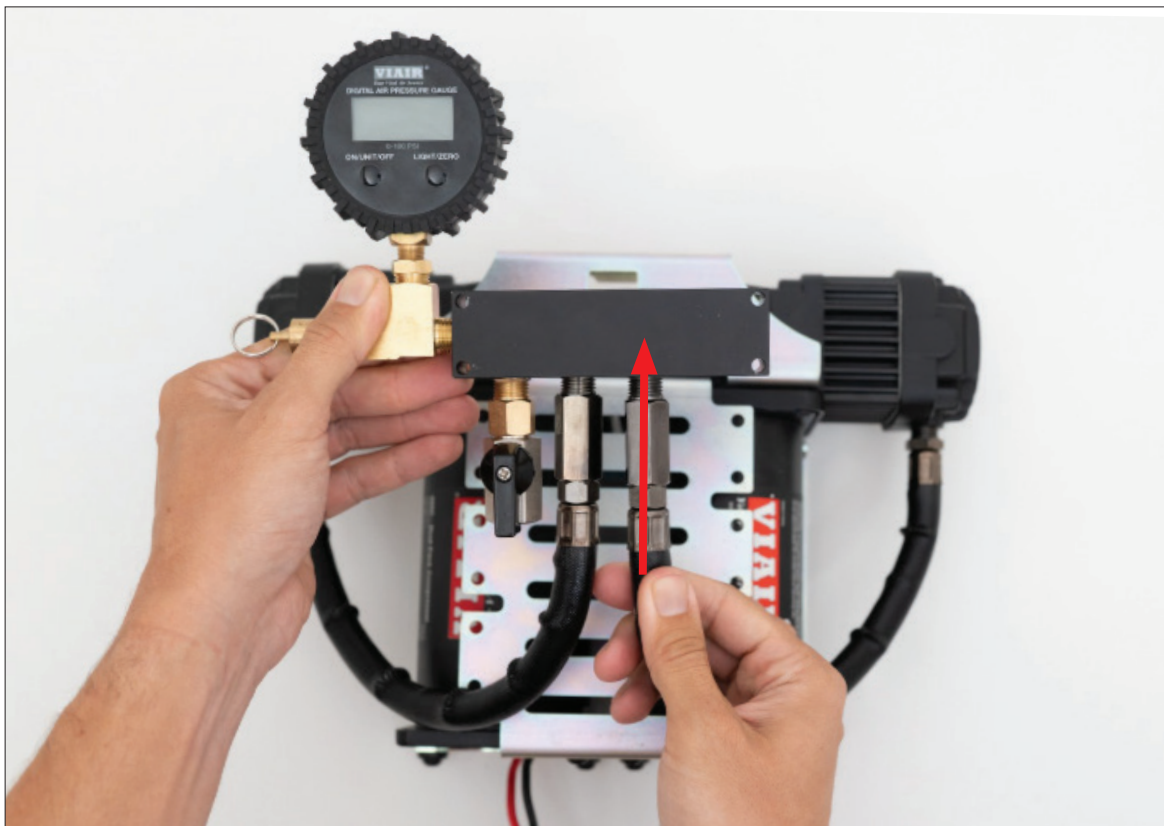


- b. Holding the Billet Manifold over the Compressor & Bracket Unit, grab the left-side leader hose and install it in the port adjacent to the 2-Way Ball Valve

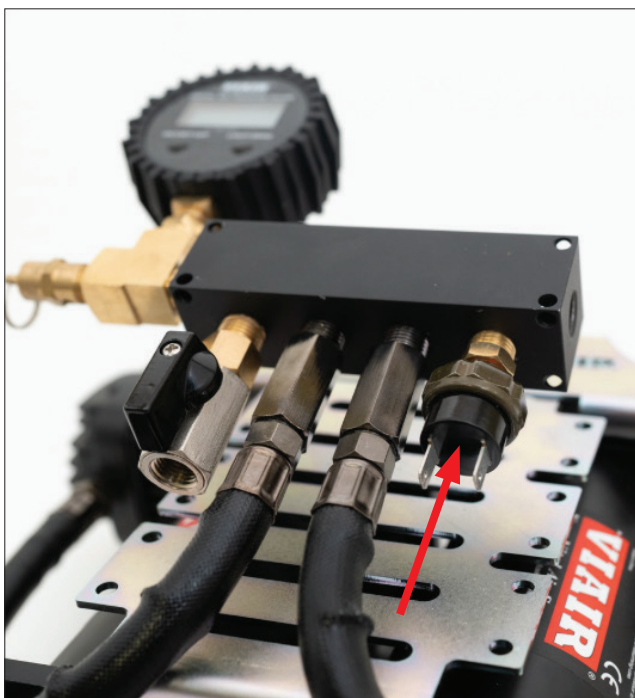


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- c. Grab the right-side leader hose and install it in the port adjacent to the left-side leader hose.



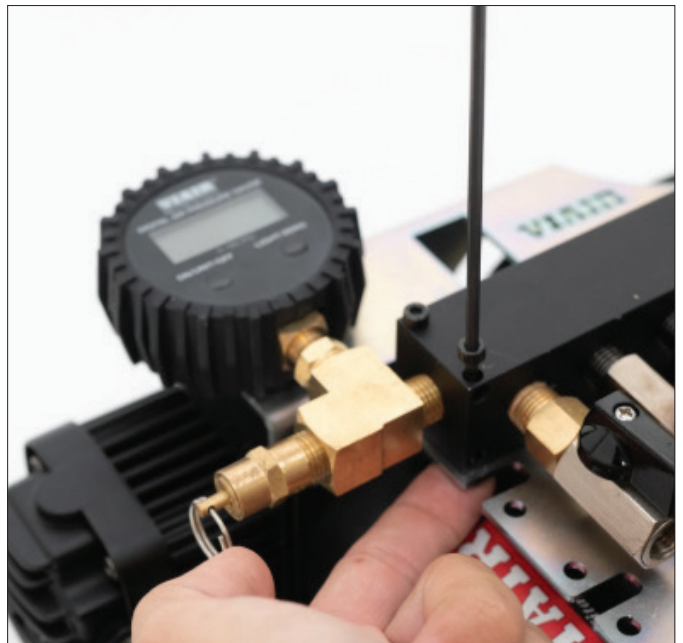
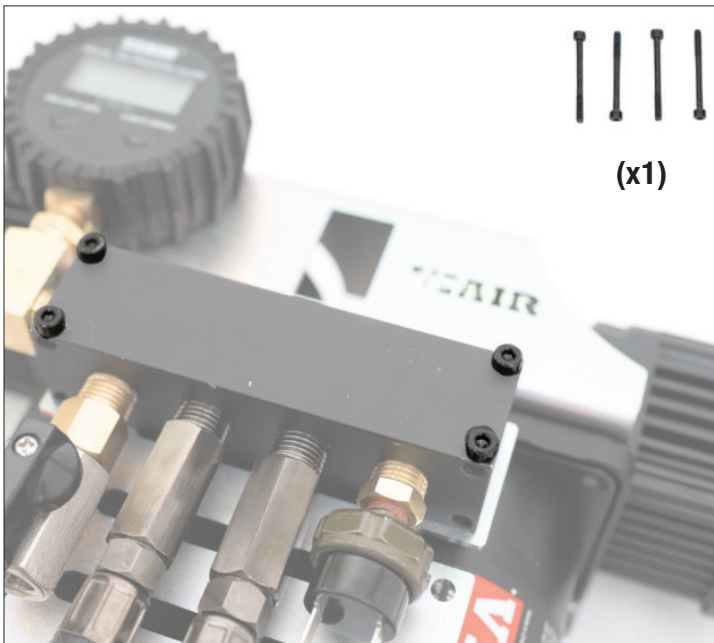
- d. Install a 1/8" to 1/4" NPT Reducer in the far-right bottom port of the Billet Manifold, then install the **Pressure Switch**.



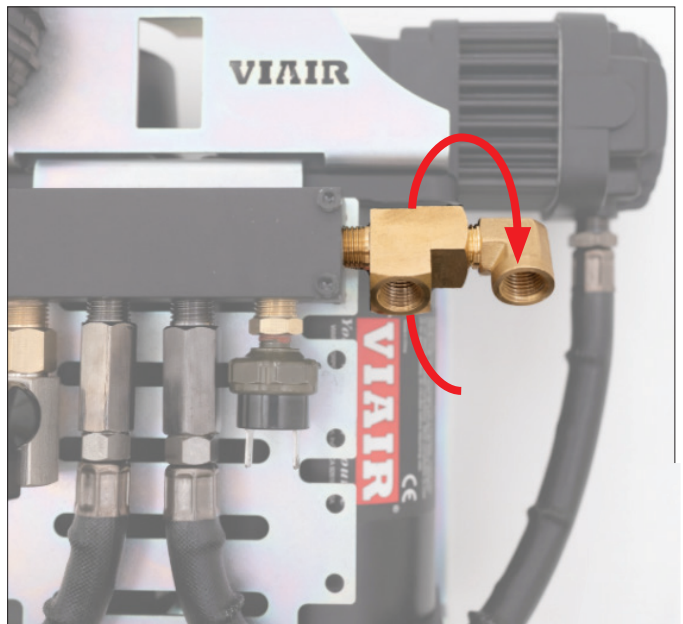
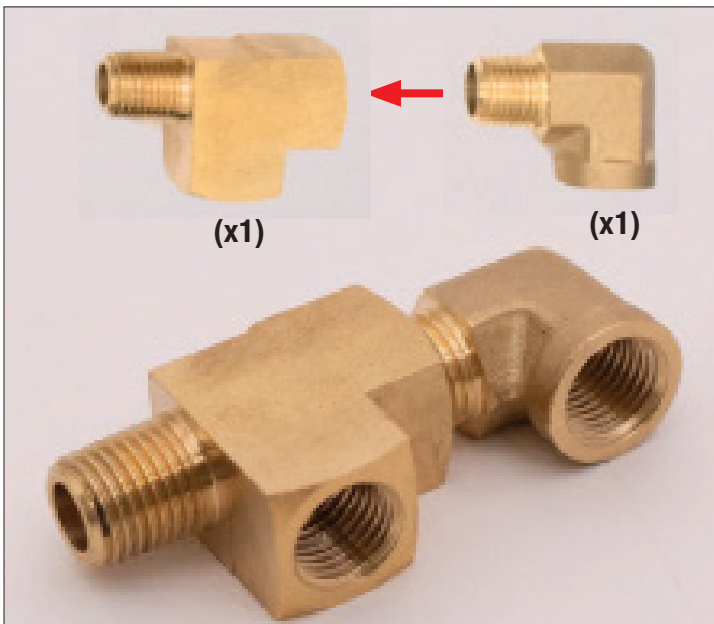
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STEP 4:

- a. Mount the **Billet Manifold** to the **Compressor & Bracket Unit** using the hardware provided. *Do not exceed 5ft-lbs.*

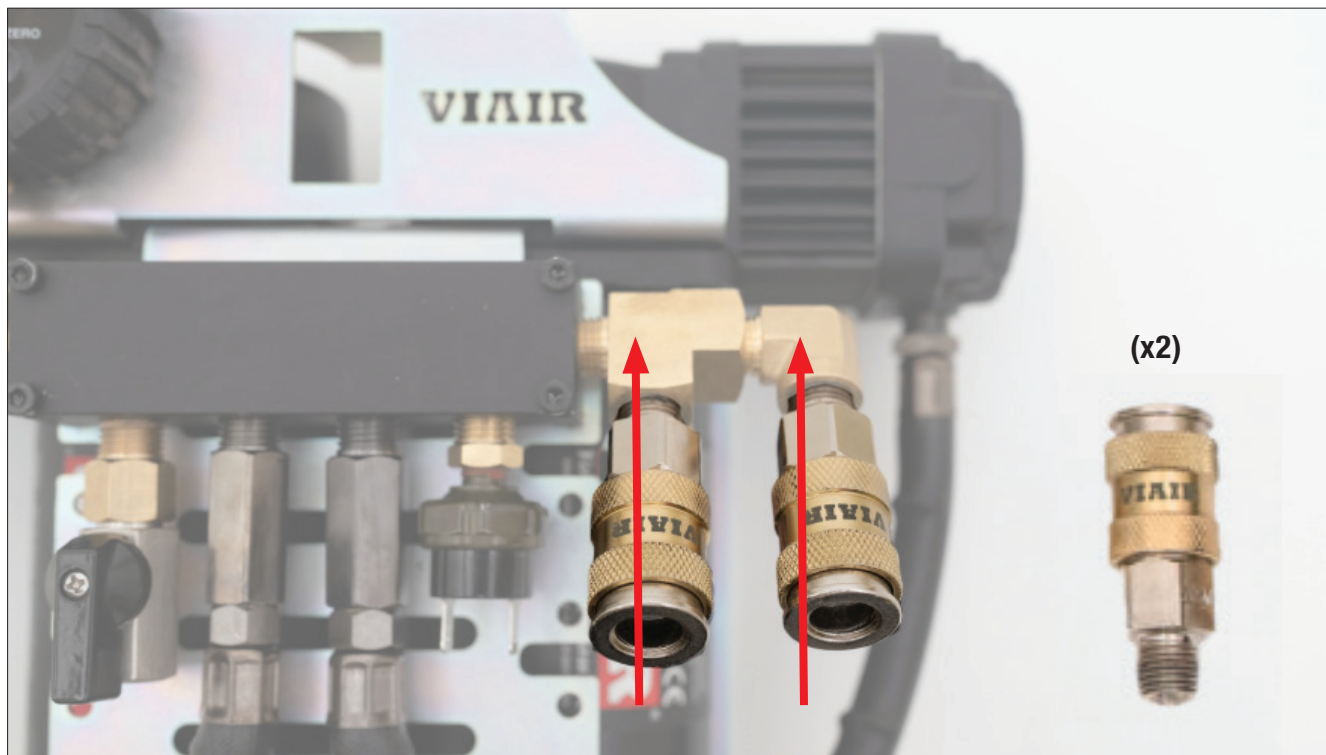


- b. Install the 90-Degree Elbow Fitting into the T-Fitting, then install the T-Fitting in the right-side port of the Billet Manifold, carefully clocking it to the position desired: **this is the base for your air outlets, you have a 180-degree angle of adjustment.**



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- c. Install the High-Flow Couplers.



- d. Install the Rocker Switch & Dust Cover and the Air Filters.



***You're now ready to mount and wire your system!
Follow the wiring diagram for electrical instructions.***

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