



MSD Atomic Air Force Water Vapor Bleed

PART NUMBER 03-51007

INSTALLATION INSTRUCTIONS

The installation instructions below are to install a MSD Atomic Air Force water vapor bleed system. If at any time you need any assistance during installation or if you have questions about this plate system, call our Tech Help Line at (254) 848-4300.

Tools Needed for Installation*:

- 5mm Allen Wrench
- 3/16" Allen Wrench
- 3/8" Wrench
- 7/16" Wrench
- 9/16" Wrench
- 13/16" Wrench

NOTE: Put a little Loctite to the fittings that need to be installed into the vapor and distribution blocks.

***These are the tools required for installation of this kit on a stock vehicle. If your vehicle has aftermarket parts, other tools may be required.**



Step 1:

Remove intake manifold.

Step 2:

Remove steam crossover. There are (4) 10mm bolts that hold the crossover and/or block-offs to the heads. Factory steam ports have 2 configurations: 2 port and 4 port. The 2-port configuration will have a tube that crosses the front two cylinder head ports and has the output on the driver side head. On the rear, ports will be blocked off. The 4-port configuration will have a tube assembly that looks like an I and the outlet will be on the driver side also.



Step 3:

Install vapor blocks with supplied hardware (4) Socket head bolts. The plug on the vapor block will need to be toward the middle of the engine.



IMPORTANT- ALL APPROPRIATE SAFETY EQUIPMENT (GLOVES, TOOLS ETC.) MUST BE USED DURING THE INSTALLATION OF THIS PRODUCT(S). NITRO DAVE'S LLC ACCEPTS NO RESPONSIBILITY FOR INJURIES RESULTING IN THE INSTALLATION OF ANY PRODUCT(S). NITROUS OXIDE IS FOR OFF-ROAD USE ONLY.

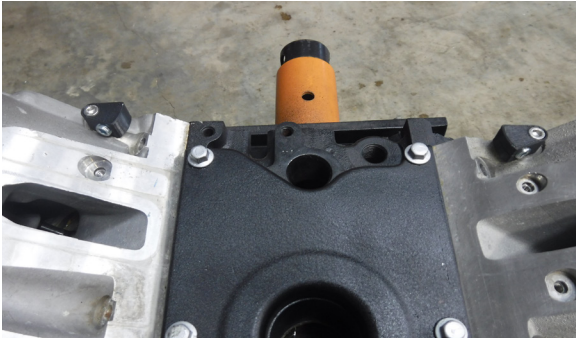
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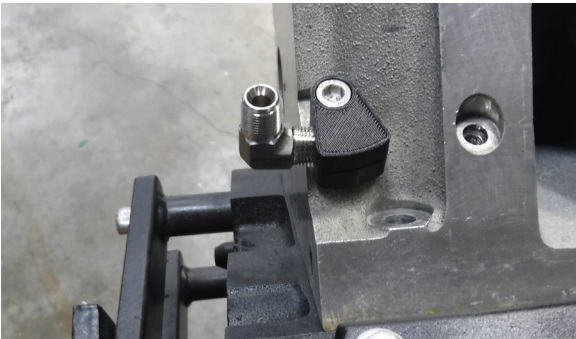
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Step 4:

The driver side rear port takes a 90° NPT fitting pointed straight up.



Step 5:

On the 90° NPT fitting, install the distribution block. Spin the distribution block into the 90° NPT fitting until it's tight and the logo is straight and facing rearward.



Step 6:

Install the last plug in to the driver side lower opening on the distribution block. Install the 45° fittings in to the remaining openings. The driver side upper fitting should be pointed over the valve cover on the same side. The passenger side fittings should be pointed down and toward the passenger side.



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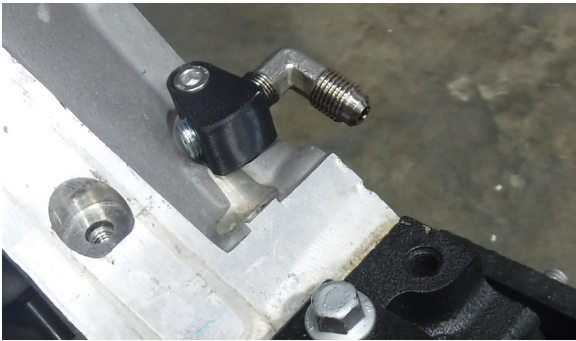
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Step 7:

The passenger side rear port gets a 90° fitting angled slightly downward toward the distribution block.



Step 8:

On the passenger side front vapor block, install a 90° fitting pointed towards the passenger side with a little angle upward toward the front valve cover.



Step 9:

Install the tee in the driver side front vapor block with one hose end pointed forward and the other hose end pointed upward toward the driver side valve cover.



Step 10:

On the forward facing end of the tee, install the hardline hose barb.

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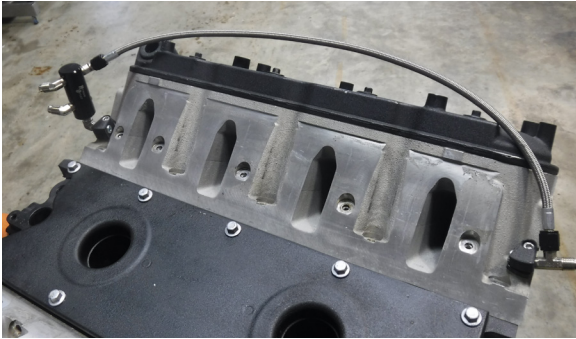
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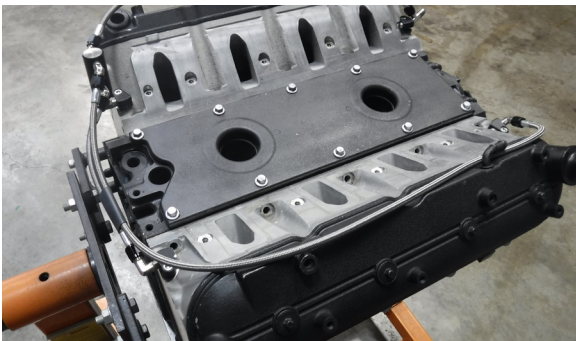
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Step 11:

Install the hoses.

Install the 23" hose from the driver side fitting on the distribution block to the driver side of the tee.



Step 12:

For the 2 hoses that are paired together; the longest hose connects to the top fitting on the passenger side of the distribution block and the short hose connects to the bottom fitting. The opposite end of the long hose connects to the passenger side front vapor block and the short hose connects to the passenger side rear vapor block.



Step 13:

Connect the rubber hose from the factory steam port to the hardline hose barb. Tighten up all the hose ends with the 9/16" wrench and test fit the intake to make sure you have the clearance you need.



Step 14:

If everything fits properly then continue the intake installation.

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