



Installation Instructions: AAD Performance AOS HEMI 5.7 6.1 6.4

*Read all instructions before beginning work.
Following the instructions in the proper sequence
will ensure the best and easiest installation.
Contact us at sales@allanglesdesign.com for
questions or comments about the installation
process.*

Caution! Installing this product
requires disassembly of some
emissions components. If you
are not confident you can
complete the job safely, have
the work performed by a
certified technician.



TOOLS REQUIRED:

- 13 mm Socket or Wrench
- 15mm Socket or Wrench
- 17mm Socket or Wrench
- Pliers
- 4mm Hex key to screw in mounting bolts

KIT CONTENTS:

- Assembled AOS with bracket
- 2 x Billet plugs
- 2 x Billet ½ inch hose barb fittings
- 2 x Replacement Bolts
- 3 x Aluminum spacers
- 1 x Spare oring and screw kit

ITEMS TO PURCHASE:

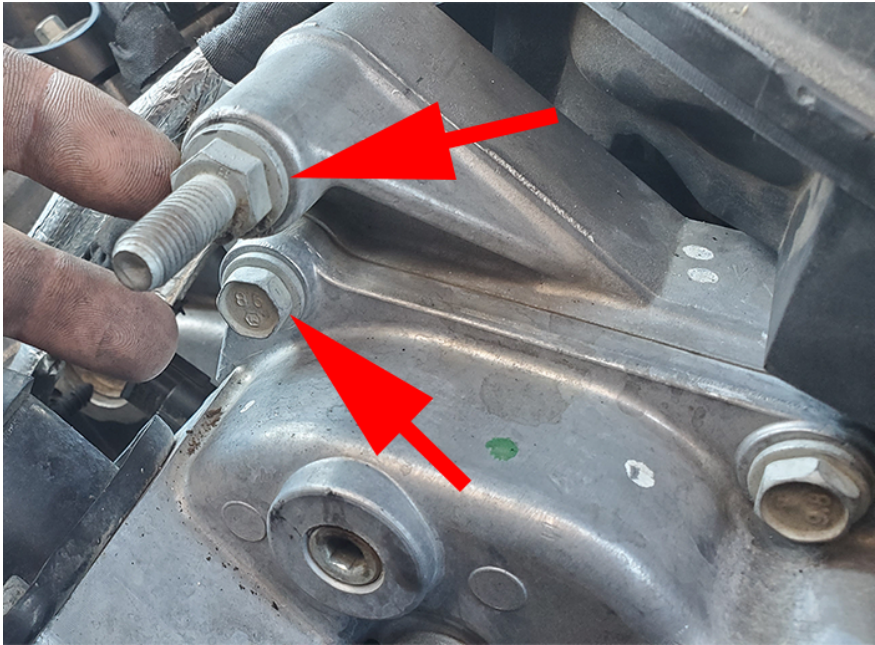
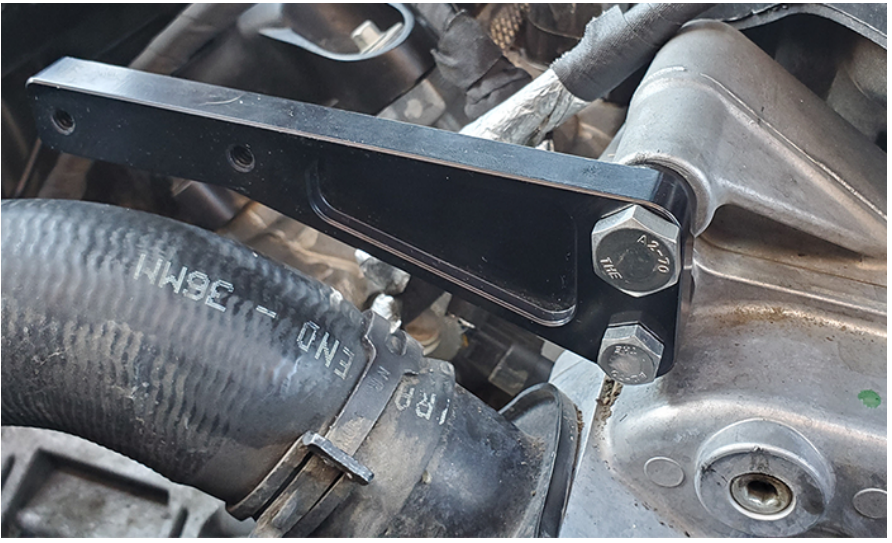

- 2-3 FT of Oil resistant/PCV hose
- 2x ½ inch to ½ inch straight Barb fittings

1. Your parts arrive already assembled except for the fittings. When looking at the catch can inlet/outlet holes, please screw the plugs in the top right and bottom left holes, with the reservoir portion of the can downwards. Screw the hose barb fittings in the top left, and bottom right. **Note: none of the fittings in this system are designed to be more than hand tight, or the o-rings will be forced out of their designed locations.**



2. Locate and remove the plastic tube connecting your PCV valve to the front of the manifold. Pliers will help loosen the connection between the tube and rubber fittings. You have two options to just remove the tube and purchase the two 1/2 to 1/2 barbed fitting or remove the rubber pieces from the manifold. **You have to be careful to not break the nipples from the manifold off.**
Note: You DO NOT need to remove your manifold. Your exact location may be different depending on the engine you have.

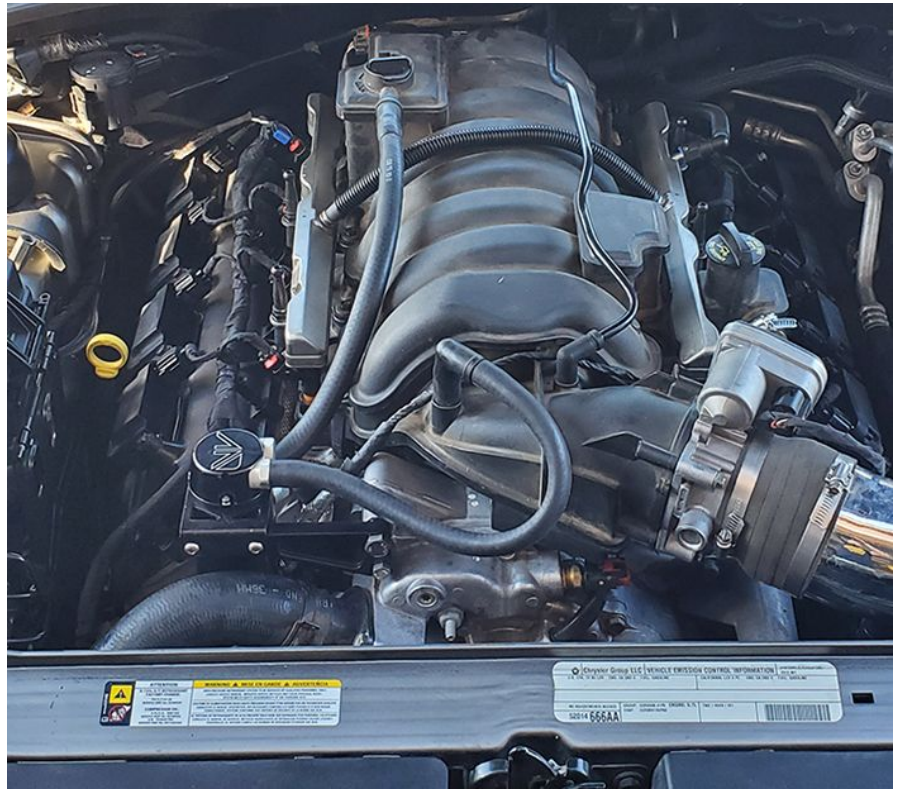


<p>3.</p>	<p>Locate and remove the upper 15mm stud and 13mm bolt from the front timing/water pump housing.</p>	
<p>5.</p>	<p>Now install your AAD Performance AOS bracket with supplied hardware. Note: this bracket can only be installed one way. Certain motors require the use of the aluminum spacers (supplied) between the bracket and engine block.</p> <p>Torque the upper 17mm bolt to 30 ft lbs and the lower 13mm bolt to 21 ft lbs.</p>	
<p>6.</p>	<p>Place can bracket over the top of the engine bracket and install the button head allen bolts. Button head bolts use a 4mm allen head, A quarter to half turn past snug will hold the can without issue.</p>	

7. Insert hose from PCV valve to the bottom barb fitting on the can. Insert hose from intake side to the barb fitting on the top of the can. **Note: if you purchased the ½ to ½ barb fitting insert into the factory rubber connection. If you didn't connect the hose directly to the factory nipples on the manifold.**

You can also adjust the length and angle of hose by using pliers to turn the oem rubber fitting.

Important: You can relock the ports on the can by removing the 3 allen heads in the top of the can BE CAREFUL THE O-RINGS SEAT WHEN YOU REINSTALL THE PARTS BACK TOGETHER.



Care and Maintenance:

These parts require little ongoing care or maintenance. We do recommend checking the oil level in the can after 1000-2000 miles to get a feeling for the volume of oil that you are going to remove from the system. In normal circumstances it should only require emptying at oil changes.



CONGRATULATIONS! You have completed the installation of your AAD Performance HEMI Air Oil Separator! If you have questions or comments about the installation, please email sales@allanglesdesign.com or contact us on our Facebook Page at [facebook.com/AllAnglesDesign](https://www.facebook.com/AllAnglesDesign) We sincerely thank you for your purchase and hope you enjoy this and other AAD Performance products.