



## **MMP High Flow Silicone Outlets Install Document**

Rev: Sept 2, 2016

***Disclaimer:** This product is intended for off road use only. This product has a 90 day limited warranty against manufacture defect. If you have any problem with this item during the warranty period or after the warranty period, please email me at [sales@mmp-e.com](mailto:sales@mmp-e.com) and I will work with you to resolve the issue to provide the best customer service possible. Please don't post issues on the forum without giving me a chance first to resolve the issue and then if you still want to post your experience you can post what the issue was and how I resolved for you to provide the best service possible. I pride myself greatly in providing one of the best customer services in the N54 community as I believe it sells the next product for me and help in spreading the word about MMP. Thanks.*

### **MMP outlet Kit Contents**

- (1) silicone outlet pipe
- (2) 2" clamps
- (2) 2.5" clamps
- (1) 2.5" aluminum joiner pipe
- (2) CNC turbo adapters
- (2) pieces of heat shield tape

### **Installation instructions**

Do these steps first to have access. You can find several DIYs for these removals on the forums like e90post.com or N54tech.com

- Remove underbody plastic splash shield. Remove downpipes (optional, I highly recommend it to make the install possible but some are able to install outlets without removing downpipes)
- Remove intercooler (only really need to drop the hotside of the intercooler only and you can support it temporarily with a jack stand)
- Remove stock outlets, this is very straight forward in that it is only 2 vband clamps connecting it to the turbos and then they just slide forward to remove.
- you may need to unbolt and move the coolant tank and vac tanks or of the way for access but not required



- You may need to unbolt and remove the radiator fan for better hand access but not required
- **IMPORTANT:** Remove the heat shields from the frame rail and windshield washer tank as these will not allow proper fitment of the silicone outlets

Now proceed to install the MMP outlets

Step 1:

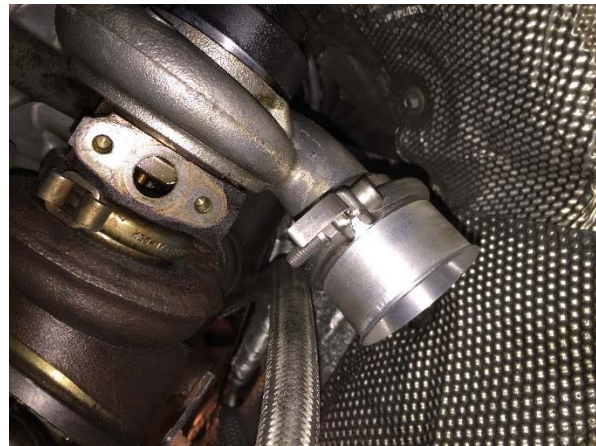
inspect the kit to make sure it arrived in good condition from shipping. Check to make sure the o-ring on the CNC adapters is not cut or damaged to where it wont hold pressure. Check to make sure the aluminum pipe is not crushed or damaged or that the custom silicone pipe does not have any tears or damage that will compromise the pressure integrity. If you find anything, please send me an email immediately to [sales@mmp-e.com](mailto:sales@mmp-e.com) and I will resolve the issue for you.

Step 2:

clean the turbo outlets to make sure there is no debris or oil where the cnc adapter plug in and the o-ring seals

Step 3:

install the CNC adapters in the front and rear turbo with the stock vband clamps



Step 4: **(VERY IMPORTANT STEP)**

Install the outlet onto the CNC adapters and ensure you have proper gaops as shown in the pictures, this is crucial so that the outlets wont melt, if you can't get these gaps on your install you are running the risk of melting your outlets with them contacting the manifolds.





Make sure you get this large gap here as well as a couple people have melted their outlets here by not putting proper gap here.



Step 5:

Install the heat shield pieces as shown



Heat Shield tape goes in these two spots

Step 6:

Install the aluminum joiner pipe and connect to the silicone coupler that came with your intercooler.

An experienced installer can do this job in 2hrs.

Double check that all the clamps are tight and that everything is fitting nicely.

Now go enjoy the additional boost and efficiency your outlets will give you ;)