



Installation Instructions For

2012+ BMW F20 21 30 31

(116i 118i 120i 316i 318i 320i)

KIT CONTENTS

NO.	DESCRIPTION	QTY
1	Intake Pipe	1
2	Heatshield	1
3	Heatshield Cover	1
4	M4 Bolt(8mmx4,12mmx2)	6
5	M4 Washer	4
6	M4 Spring Washer	4
7	M6 Bolt	1
8	M6 Washer	2
9	M6 Nut	1
10	M8 Bolt	1
11	M8 Nut	1
12	M8 Washer	2
13	Mount Rubber	1
14	Air Filter	1
15	Silicone Hose	1
16	Clamp	2

※Do not attempt to install the intake system while the engine is hot.
The installation may require removal of radiator fluid line that may be hot.





Figure 1 The stock Intake system



Figure 2 Loosen the clamps of stock hose



Figure 3 Loosen the clamps of stock hose



Figure 4 Disconnect the MAF sensor



Figure 5 Remove the engine cover



Figure 6 Remove the stock turbo inlet hose



Figure 7 Unscrew the screws from the MAF sensor



Figure 8 Saperate the sensor from the engine cover



Figure 9 Put the sensor to the intake pipe



Figure 10 Lock the screws of MAF sensor (M4 bolt 12mm x2)



Figure 11 Install the MST heat shield



Figure 12 Using bolt and lock the heat shield

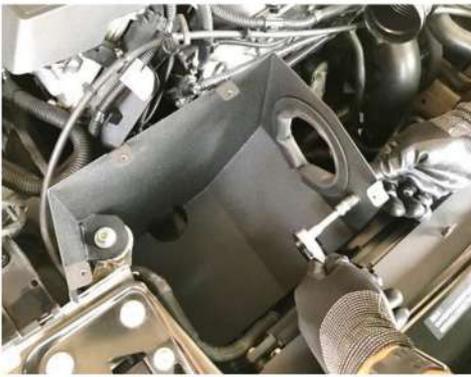


Figure 13 Install the screwers to secure the MST heat shield



Figure 14 Install the MST silicone hose, and slide a clamp to it



Figure 15 Install the MST intake pipe



Figure 16 Connect the silicone hose and the intake pipe properly, tight the clamp (Do not over tighten)



Figure 17 Overview when pipe and heat shield base are all set



Figure 18. Connect the MAF sensor to the intake pipe



Figure 19 Install the filter with a provided clamp.



Figure 20 Tighten the clamp (Do not over tighten)



Figure 21 The overall appearance of the intake system



Figure 22 Install the heat shield cover and secure with the screws



Figure 23
Congratulations! You have just completed the installation of this intake system. Periodically, check the alignment of the intake, normal wear and tear can cause nuts and bolts to come loose.