

INSTALLATION INSTRUCTIONS

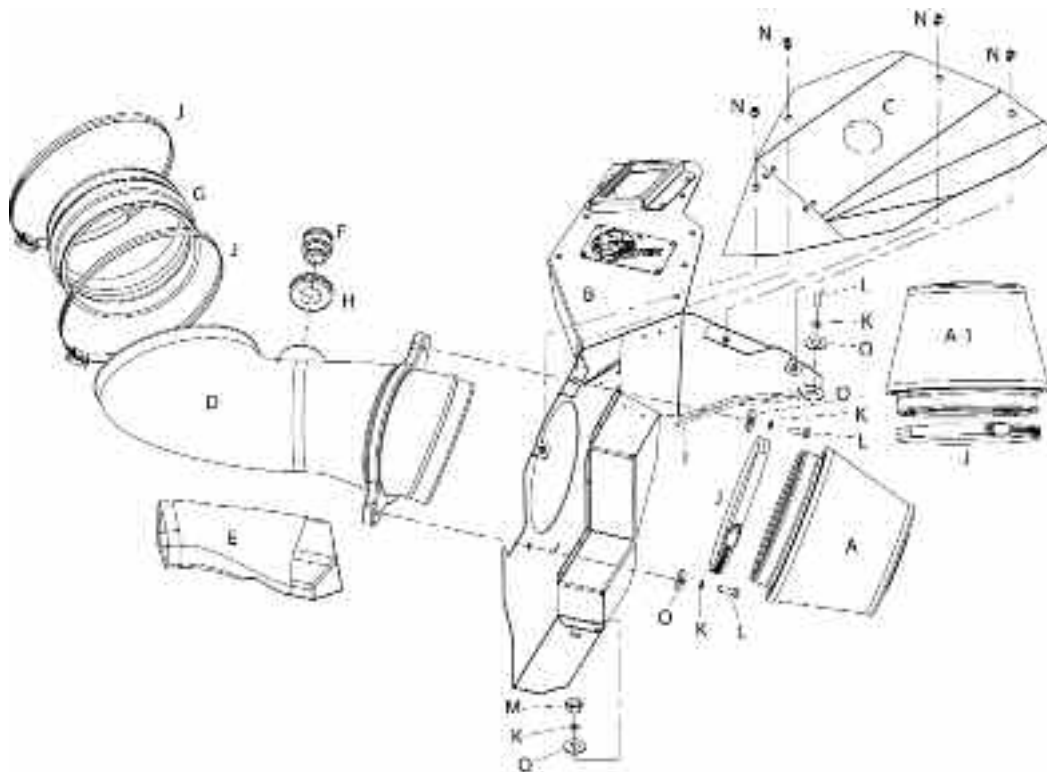


Magnum Force Elite Stage-2 Intake: 51/54-11662-B 50-11662-B/C '08-'13 BMW M3 (E90/92/93) V8-4.0L

Read these instructions carefully before proceeding to install system. Verify the components below with the actual contents. Ensure you have the tools and expertise required to install this system. If you have any questions, contact aFe at (951)493-7100 and ask for "tech support".

APPLICATION:

Make: BMW
Model: M3 (E90/92/93)
Year: 2008 - 2013
Engine: V8-4.0L



Required Tools:

4mm allen wrench
10mm socket
Flat head screwdriver
5/16" Nut Driver
Ratchet
1/4" Socket or 8mm nut driver
T20 torx bit

NOTES:

- Failure to follow installation instructions and not using the provided hardware may damage the system.
- Retain your stock intake system in the event you wish to return the vehicle to stock status.
- Go to www.afepower.com/cleaning for detailed cleaning instructions of the filter.

PARTS LIST:

Description	Qty	50-11662-C/CV	50-11662-B/BV
		Clearcoat Part #	Black Satin Part #
A Air Filter (Pro-5R™ or	1	24-91054	24-91054
A-1 Spare filter Pro Dry S™)	1	21-91054	21-91054
B Housing	1	05-01088	05-01059
C Cover	1	05C01088	05C01059
D Intake Tube	1	05-01099	05-01099
E Duct Tube	1	05-01067	05-01067
F Smog Pump Adapter	1	05-01096	05-01096
G Coupler, Hump	1	05-01077	05-01077
H Grommet	1	03-50139	03-50139
I Rubber Edge 1/16", 7.5"	1	05-00149	05-00149
J Clamps #104	4	03-50051	03-50051
K Wavy Washer: M6	4	03-50058	03-50058
L Screw, Hex Head: M6	3	03-50032	03-50032
M Hex Nut: M6X1	1	03-50059	03-50059
N Screw Button head Socket: M6x1x12	4	03-50102	03-50102
O Flat Washer: M6	3	03-50070	03-50070



1- View of stock engine compartment.



5- Gently pull the intake tube off of the intake plenum.



2- Gently squeeze the stock smog pump and pull straight back to remove.



6- Pull up on the back of the intake and work the intake free from the engine bay.



3- Loosen the intake tube clamp from the intake tube with a 1/4" or 8mm nut driver or flat head screw driver.



7- Remove the stock rubber mounts that are located under the stock intake box and put them aside.



4- Remove the two airbox mounting bolts shown with 10mm socket or wrench.



8- install aFe's intake tube into the housing.



9- Install supplied hex screw, wavy washer and flat washer. Do not fully tighten.



13- Position coupling onto intake tube with supplied clamps. Do not fully tighten.



10- Install supplied grommet into aFe's intake tube.



14- Carefully position housing into the vehicle and line up the mounting points. Do not tighten housing.



11- Firmly press the adapter into the grommet until it is seated all the way in.



15- Line up intake tube with the intake plenum. Connect smog pump harness.



12- Install the supplied trim seal to the lower edge of the housing.



16- Slide the coupling onto the intake plenum, use the bead on the tube to verify that the coupling is on straight. Do not fully tighten.



17- Place the supplied nut with wavy washer onto the bottom of the housing. Do not fully tighten.



21- Once in position, push the cold air duct into the factory cold air inlet. It should fit snug to form a seal.



18- Install the supplied hex screw, wavy washer and flat washer into the upper mounting tab. Do not fully tighten



22- Tighten lower housing support nut with 10mm socket or wrench.



19- Insert the smog pump line onto the adapter and make sure it locks into place.



23- Once aligned, tighten down the upper mounting bolt with 10mm socket or wrench



20- Place the cold air duct into the housing slot, and work it into position.



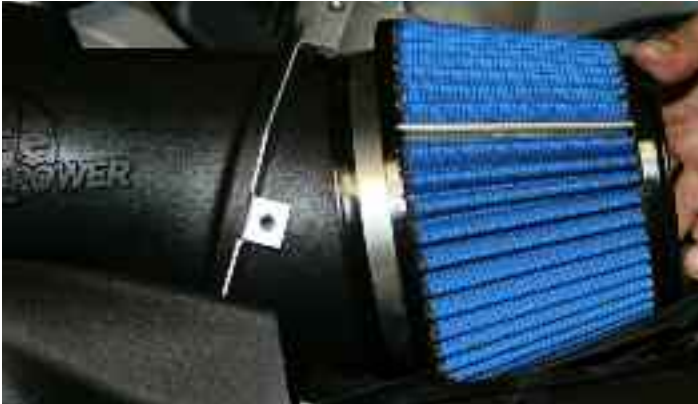
24- Tighten down the bolts installed in steps #10 & #11 using a 10mm socket or wrench.



25- Tighten clamps on supplied coupler using a 5/16" nut driver to secure intake tube to intake manifold. Note: Do not over tighten.



29- Secure cover with supplied M6 button head screws and tighten with 4mm allen wrench.



26- Slip air filter around the intake tube and position it to be facing downward. Note: Verify that filter is completely on tube. Use the tube bead for reference on positioning. Filter sits angled downward to have clearance for the cover.



30- Place enclosed CARB EO sticker on a clean/smooth surface on or near the intake system. EO identification label is required in passing the Smog Check inspection. Your Installation is now complete. Please check all components and retighten if necessary. Thank you for choosing aFe Power!



27- Once filter is in position, tighten clamp with a 5/16" nut driver. The white filter is oil-free and is included as a spare filter. The white filter is washable but should not be oiled.



28- Position cover over housing.