

advanced FLOW engineering inc.

Stage 2

Instruction Manual P/N: 51/54-11842-B (Blk) & 51/54-11842-P (Pol)

Make: **Ford** Model: **F-150** Year: **2009-2010** Engine: **V8-4.6L 3-Valve**

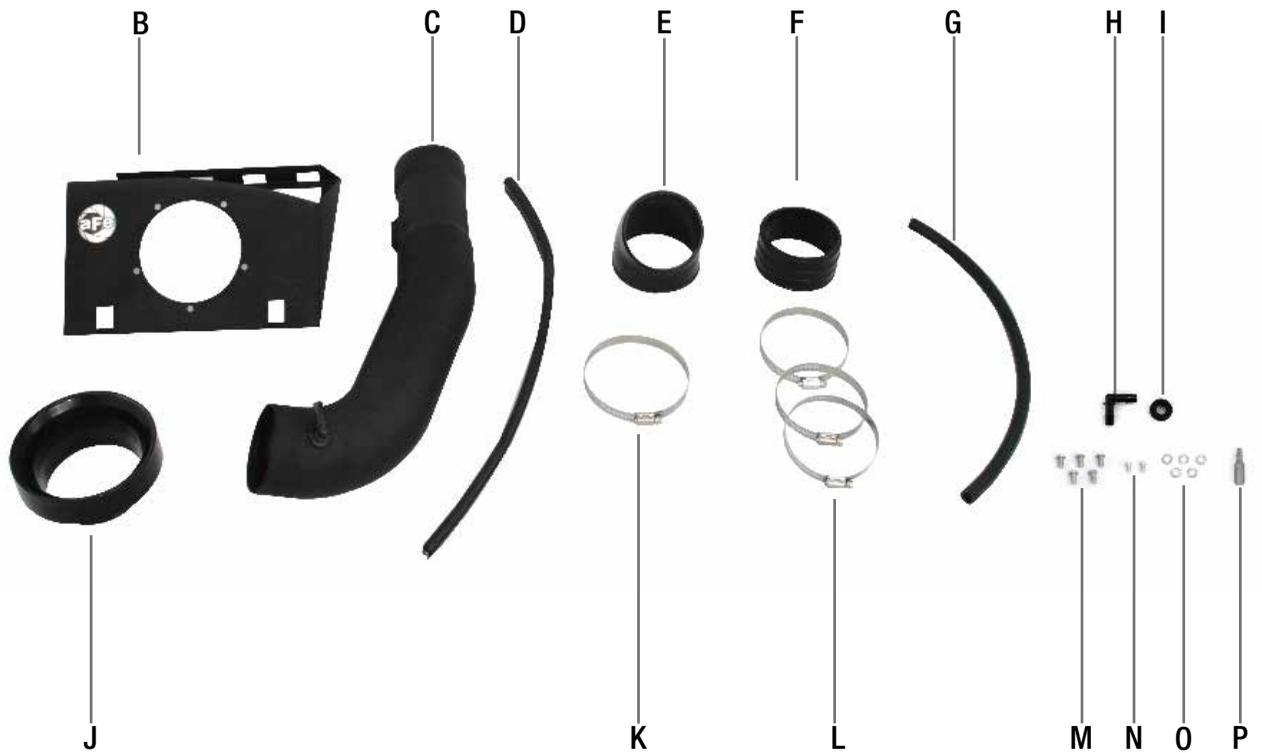


- Please read the entire instruction manual before proceeding.
- Ensure all components listed are present.
- If you are missing any of the components, call customer support at 951-493-7100.
- Ensure you have all necessary tools before proceeding.
- Do not attempt to work on your vehicle when the engine is hot.
- Disconnect the negative battery terminal before proceeding.
- Retain factory parts for future use.

Label	Qty.	Description	Part Number
A1	1	Pro DRY S Air Filter	21-90053 Grey Media (Included in 51-11842)
A2	1	Pro 5R Air Filter	24-91040 Blue Media (Included in 54-11842)
B	1	Housing	05-01024
C	1	Air Intake Tube	05-01081-B (Blk) or 05-01081-P (Pol)
D	1	Trim Seal 24.625"	05-00072
E	1	Elbow Silicone Coupling	05-01353
F	1	Straight Silicone Coupling	05-01280
G	1	Hose 3/8" @ 17" L	05-00110
H	1	Elbow Fitting	03-50151
I	1	Grommet	03-50050
J	1	Adaptor	05-00611
K	1	Clamp #64	03-50006
L	3	Clamp #56	03-50009
M	5	Button Head Screws M6	03-50102
N	2	M4 Screws	03-50034
O	5	Wavy Washers, M6	03-50058
P	1	Torx Bit:T20	03-50066

Installation will require the following tools:

4mm Hex Key, 5/16" Nut Driver, T20 Torx Bit, Flat-Head Screw Driver



**Figure A****Refer to Figure A for steps 1-4**

Step 1: Disconnect MAF Sensor ①.

Step 2: Unclip the 3 clips ② holding upper half of air box ③.

Step 3: Disconnect and remove crankcase line ④.

Step 4: Loosen clamp at throttle body ⑤ using 5/16" nut driver.

**Figure B****Refer to Figure A and B for steps 5-6**

Step 5: Remove stock intake tube Fig A (6), upper half of air box and air filter, not shown. Lower half of air box (7) remains.

Step 6: Remove center clip (8) from lower half of air box.



Figure C1

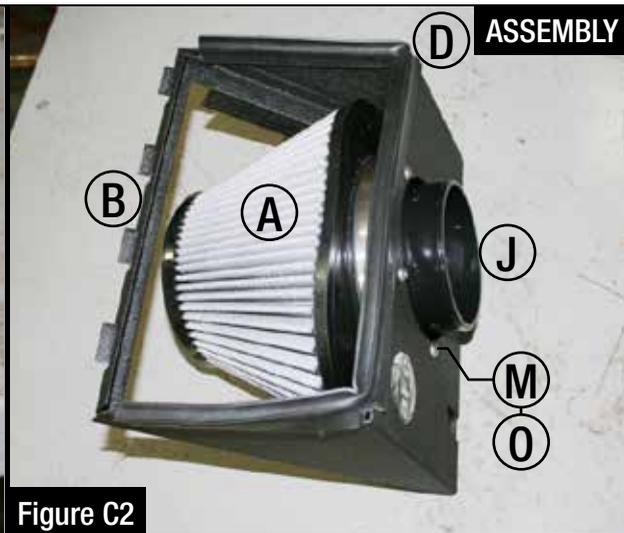


Figure C2



Figure C3

Refer to Figure C1, C2 and C3 for steps 7-12

Step 7: Refer to Fig C1: Install OE MAF sensor onto tube (C) using two M4 screws (N).

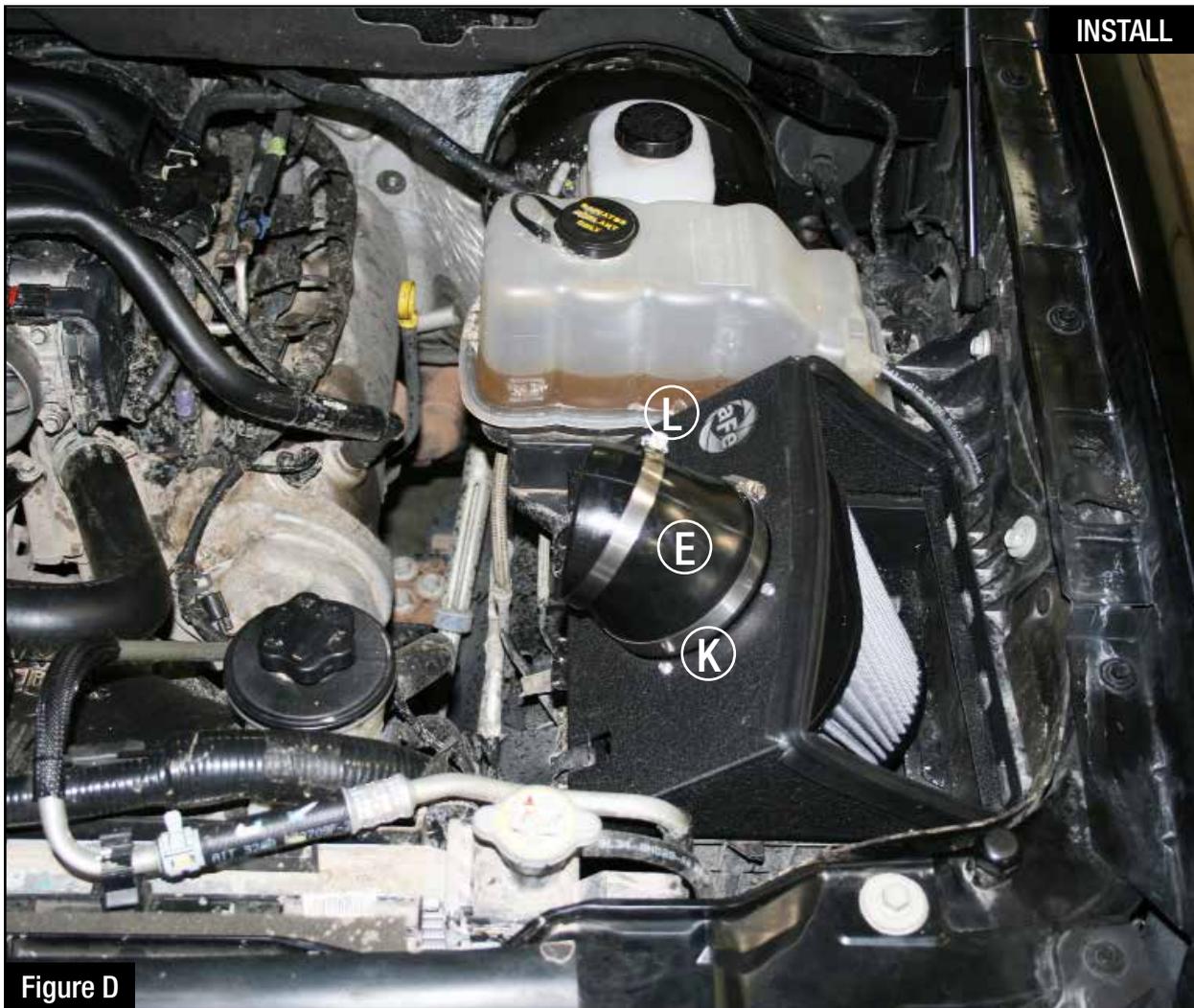
Step 8: Refer to Fig C2: Attach filter adaptor (J) to housing (B) using five button head screws (M) and five wavy washers (O).

Step 9: Refer to Fig C2: Attach trim seal (D) to housing.

Step 10: Refer to Fig C2: Install air filter (A) onto adaptor and tighten clamp using 5/16" nut driver.

Step 11: Refer to Fig C3: Insert grommet (I) into tube and insert elbow fitting (H) into grommet.

Step 12: Attach straight coupling (F) using two #56 clamps (L) onto tube. (Do not tighten)

**Figure D****Refer to Figure D for steps 13-15**

Step 13: Secure housing assembly onto lower half of stock airbox by sliding tabs into slots in stock air box and then secure with clips.

Step 14: Attach elbow coupling (E) to filter adaptor using #64 clamp (K). (Do not tighten)

Step 15: Position #56 clamp (L) onto elbow coupling. (Do not tighten)



Figure E

Refer to Figure E for steps 16-17

Step 16: Slide the tube assembly (9) into elbow coupling and position other end onto throttle body (5).

Step 17: Position and tighten all clamps using 5/16" nut driver.

COMPLETED
INSTALL



Figure F

Refer to Figure F for steps 18-20

Step 18: Attach 3/8" hose (G) to elbow and reconnect crankcase.

Step 19: Plug in MAF harness into MAF sensor

Step 20: Reconnect negative battery terminal and be sure everything is secure and tightened.

Installation is now complete.

Step 21: Place the included CARB EO Sticker on or near the device on a smooth, clean surface. E.O. identification label is required in passing the Smog Check Inspection.



Pro DRY S Air Filter



P/N: 21-90053

Pro 5R Air Filter



P/N: 24-91040

Pro DRY S Restore Kit



P/N: 90-59999

Blue Aerosol Restore Kit



P/N: 90-50001

Blue Squeeze Restore Kit



P/N: 90-50501

aFe Power Hat



P/N: 40-10083

aFe Key Chain



P/N: 40-10103

To purchase any of the items above, view airflow charts, dyno graphs, photos, and video; please go to aFepower.com.

Limited Warranty

aFe warrants their intake systems to be free of defects from workmanship and materials for a period of two (2) years, provided the intake system was: A) installed in an aFe recommended application according to aFe installation instructions; and B) the air filter has been properly cleaned utilizing an aFe cleaning solution and oil (not applicable on Pro DRY S filters). Damage from abuse, improper cleaning, improper oil and improper installation or from open flame is not covered by this limited warranty. In the event of a defect of an aFe product within the period covered by this limited warranty, the purchaser can return the product to the dealer where it was purchased or send the product to aFe at the address listed on the back after obtaining a Return Good Authorization (RGA) number from aFe. The original register receipt will be required as proof of purchase. Purchaser will be entitled to a refund of the entire purchase price or a replacement of the product at aFe's discretion. Purchaser shall be responsible for the cost of shipping the defective product to aFe. An RGA number can be obtained by calling aFe customer service. Products shipped without an RGA number will be refused. A refund or replacement of the product shall be the sole remedy available under this limited warranty and aFe shall not be responsible for consequential or incidental damages. (Some states do not allow this exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply). This warranty gives you specific legal rights, and you may have other rights which vary from state to state.



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