

advanced FLOW engineering Stage-2 Air Intake

Instruction Manual P/N: 51-12182 / 54-12182 / 51-12192 / 54-12192 / 75-12192
54-12193 (AIS + Cover)

Make: Ford Model: F-150 Year: 2011 Engine: V6-3.5L (tt) EcoBoost (XX-12182)

Make: Ford Model: F-150 Year: 11-14 Engine: V6-3.5L (tt) EcoBoost (XX-12192/3)



- 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 951-493-7185.
- 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.

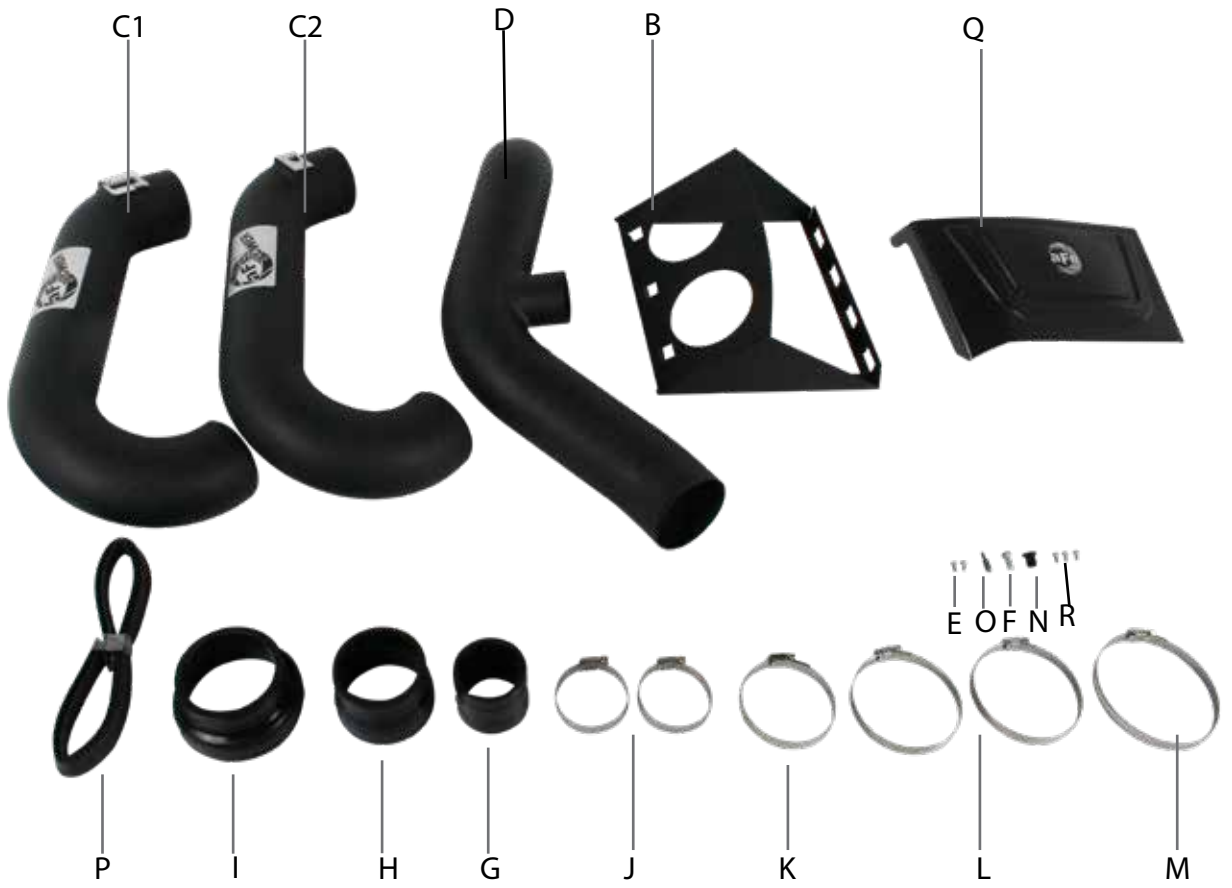
NOTE: Retain factory parts for future use.

Label	Qty.	Description	Part Number
A1	2	Pro DRY S Air Filter	21-90069 (Gray Media) (51-12182/192)
A2	2	Pro 5R Air Filter	24-90069 (Blue Media) (54-12182/192)
A3	2	Pro-GUARD 7 Air Filter	72-90069 (Gold Media) (75-12192)
B	1	Housing	05-12182B3
C1	1	Tube	05-12182B1 (51/54-12182 Only)
C2	1	Tube	05-12192B1 (51/54/75-12192 Only)
D	1	Tube	05-12182B2
E	2	Screw, Chs Hd Slotted: M4	03-50034 (51/54-12182 Only)
F	1	Screw, Hex Hd: M6	03-50052 (51/54/75-12192 Only)
G	1	Coupling, Straight	05-01242
H	1	Coupling, Reducer	05-01331
I	1	Coupling, Reducer	05-01358
J	2	Clamp #32	03-50016
K	1	Clamp #52	03-50008
L	2	Clamp #60	03-50002
M	1	Clamp #72	03-50010
N	1	Cap	03-50119
O	1	T-20 Torx	03-50066
P	1	Seal Trim (24.5 Inches)	05-00072
Q	1	Cover	05-12188-B (54-12193 Only)
R	3	Screws	03-50113 (54-12193 Only)

Installation will require the following tools:

8mm Nut Driver, Flat Head Screwdriver

Warranty Information available at: <https://afepower.com/contact#warranty>




FigureA

Refer to Figure A for steps 1-5

Step 1: Disconnect the Manifold Air Pressure (MAP) sensor plug from stock air box. ①

Step 2: For 51/54-12182 only unplug the vacuum line from the underside of the OE intake tube. ②

Step 3: Loosen the OE intake clamps using an 8mm nut driver from the left and right side runners. ③

Step 4: Uncalmp the top portion of the OE air box. ④

Step 5: Remove the OE intake and the top portion of the OE air box by pulling straight up and out of the vehicle.



Figure B

Refer to Figure B for steps 6-8

Step 6: Pre-assemble the aFe housing; insert both aFe filters through the housing.

Step 7: Pre-assemble the filter clamps but do not tighten.

Step 8: Install the seal trim around the edges of the housing.



Refer to Figure C for steps 9-11

Step 9: Remove the MAP sensor from the OE intake using the provided T-20 torx bit.

Step 10: Install the MAP sensor on the front aFe intake tube using the provided hardware. (5)

Step 11: Install the small straight coupling on the cross over tube, install clamps but do not tighten. (6)

For 51/54/75-12192 install the 3/8" vent plug on the rear tube.



FigureD

Refer to Figure D for steps 12-14

Step 12: Install the aFe housing on top of the lower portion of the OE housing. Clamp down using factory air box clips. (7)

Step 13: Install the larger reduction coupling (05-00612) on the driver side runner. Clamp down but do not tighten. (8)

Step 14: Install the smaller reduction coupling (05-00636) on the passenger side runner. Clamp down but do not tighten. (9)



Refer to Figure E for step 15

Step 15: Install the front aFe intake tube with the MAP sensor. (Slide into coupler side before installing the filter side). Do not tighten clamps.



Figure F

Refer to Figure F for steps 16-18

Step 16: Install the rear aFe intake tube. (First install into coupler side before installing the filter side). Do not tighten clamps.

Step 17: Slide the small straight coupling from the front aFe intake tube to the rear cross over tube.

Step 18: Adjust both intake tubes if needed then tighten down all clamps with an 8mm nut driver.

Note: If there is contact with the coolant reservoir vent hose, this hose can be trimmed 1/4" for extra clearance. Reconnect after trimming. ⑩



Figure G

Refer to Figure G for steps 19-20

Step 19: For 51/54/12182 reconnect the vacuum line to the rear aFe intake tube.

Step 20: Reconnect the MAP sensor harness. ⑪

NOTE: Retighten all connections after approximately 100-200 miles.

**Place the included CARB EO sticker on or near the device on a smooth, clean surface.
EO identification is required to pass the smog inspection.**

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