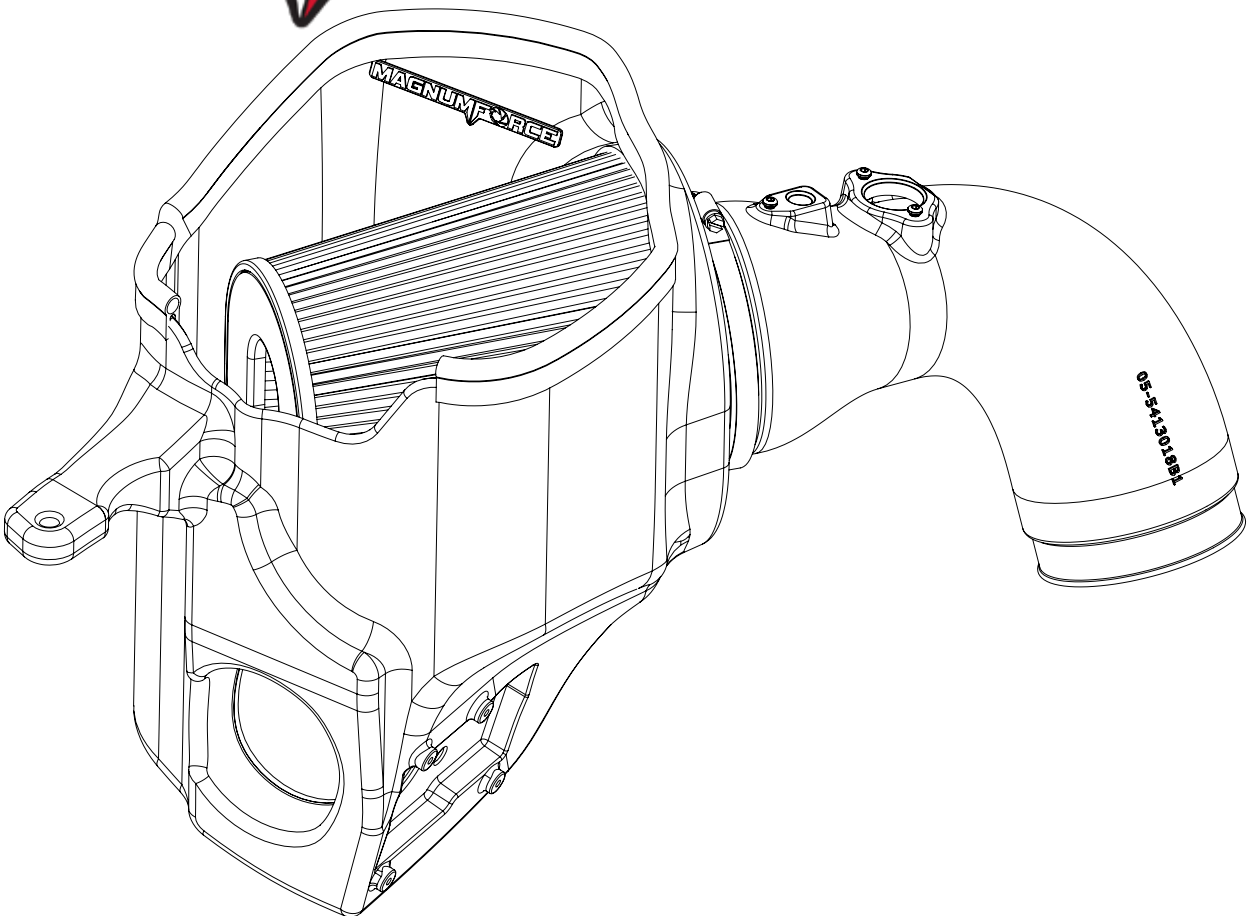


MAGNUM FORCE



advanced FLOW engineering Magnum FORCE Stage-2 Intake System

Instruction Manual P/N: 54-13018D / 54-13018R

Make: **RAM** Model: **2500/3500/4500/5500** Year: **2013-2018** Engine: **L6-6.7L (td) Cummins**



- 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.

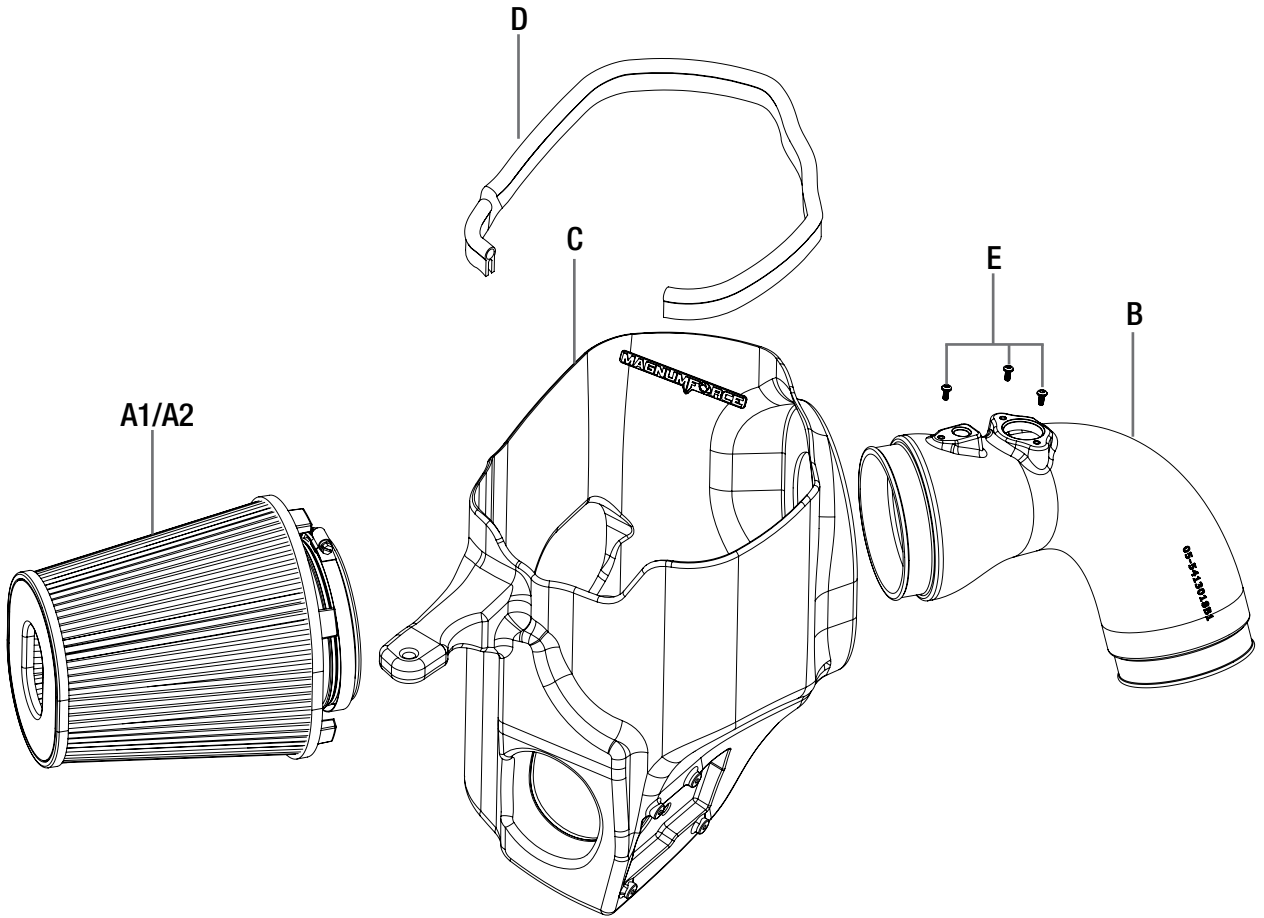
Label	Qty.	Description	Part Number
A1	1	Air Filter (Pro DRY S)	21-91120
A2	1	Air Filter (Pro 5R)	24-91120
B	1	Tube	05-5413018B1
C	1	Housing	05-5413018B2
D	1	Seal, Trim: 3/4" (33" inches)	05-00007
E	3	Screw, Torx: M4	03-50490

Installation will require the following tools:

7mm, 8mm and 13mm socket or nut driver, ratchet and extension, T30 torx and T20 torx.

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

Note: Legal in California for use on race vehicles only. The use of this device on vehicles used on public streets or highways is strictly prohibited in California and others states that have adopted California emission regulations.



**Figure A****Refer to Figure A for Steps 1-3**

Step 1: Disconnect the wiring harness retaining clip, the Mass Air Flow (MAF) sensor (1) and the temperature sensor (2).

Step 2: Remove the screw (3) holding down the factory airbox with a 13mm socket and ratchet.

Step 3: Using an 8mm nut driver, loosen the clamp (4) at the airbox.



Figure B

Refer to Figure B for Steps 4-5

Step 4: Using an 8mm nut driver, loosen the clamp (5) connecting the factory intake tube to the factory coupling.

Step 5: Remove the factory intake tube (6).

**Figure C****Refer to Figure C for Step 6**

Step 6: Lift the factory airbox up out of the vehicle until you can reach the wiring harness ⑦ from the Ram Active mechanism. Disconnect the harness and retaining clip. Then pull the factory airbox out of the vehicle.

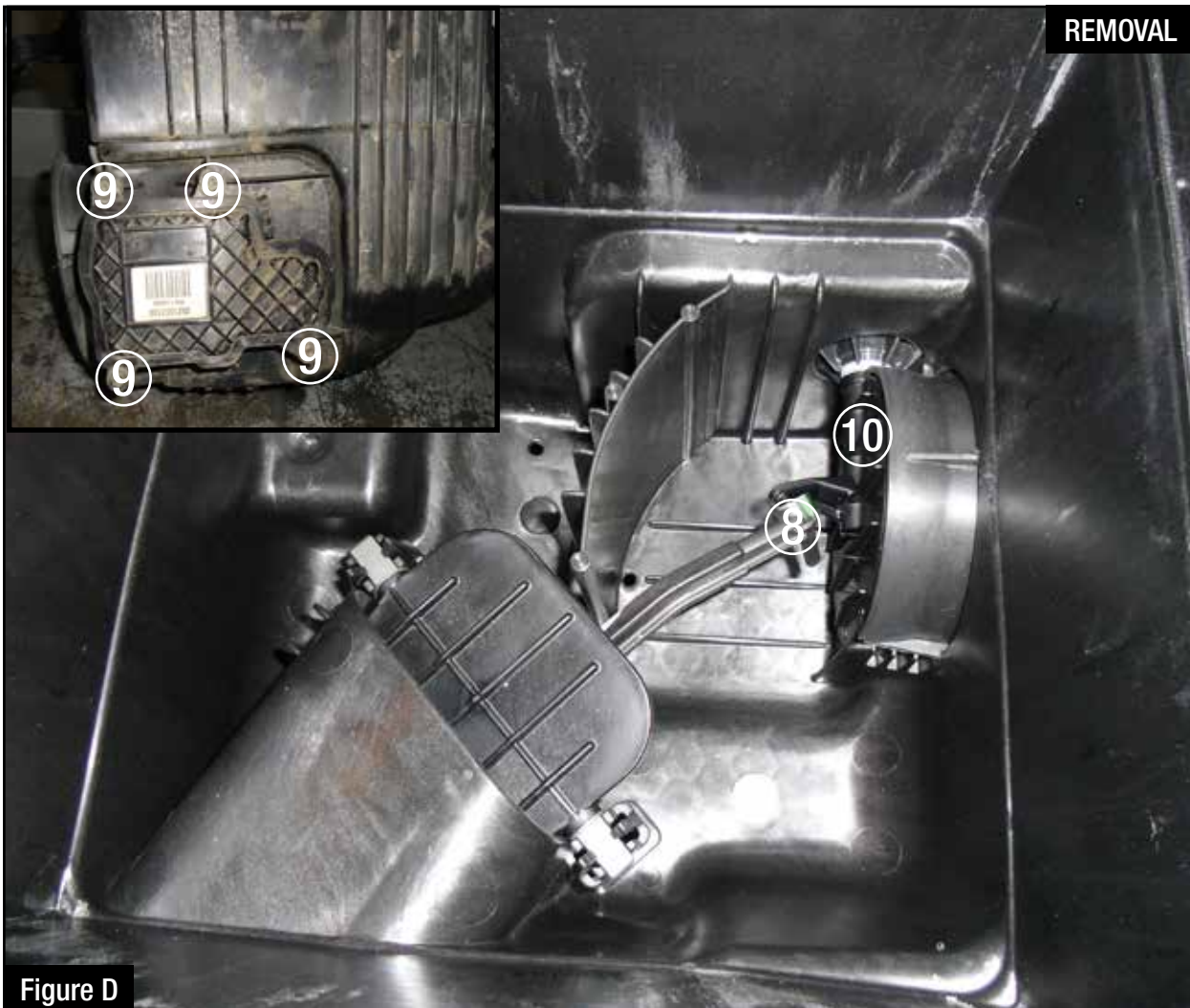


Figure D

Refer to Figure D for Steps 7-10

Step 7: Using an 8mm nut driver, open the factory airbox and remove the filter.

Step 8: Disconnect the ball joint (8) connected to the flap.

Step 9: Using a T30 torx driver, remove the screws (9) securing the Ram Active Air mechanism. Those screws will be re-used to install the Ram Active Air mechanism onto the aFe housing.

Step 10: Remove the flap (10) from the motor shaft. This will require a lot of force. Take the Ram Active Air motor and flap off the factory airbox.



Figure E

Refer to Figure E for Steps 11-12

Step 11: Transfer the Ram Active Air motor to the aFe housing. Re-install the flap on the motor shaft by firmly pushing on it.

Step 12: Secure the assembly to the aFe housing using the factory screws (11). Make sure the flap is fully engaged to the motor shaft.

**Figure F****Refer to Figure F for Steps 13-15**

Step 13: Install the seal trim (12) on the top opening of the housing as shown.

Step 14: Install the housing assembly into the vehicle. Re-connect the wiring harness to the Ram Active Air mechanism. Firmly push the housing into the factory mounting grommets.

Step 15: Re-install the factory screw (13) removed in Step 2 to secure the housing. Tighten the screw.



Figure G

Refer to Figure G for Step 16

Step 16: Remove the filter clamp from the aFe filter. Slide the aFe filter into the aFe housing from the top. Then guide the filter flange through the round opening in the housing and snap in the filter. Place the filter clamp on the filter flange.



Figure H

Refer to Figure H for Step 13

Step 17: Using a 7mm nut driver, remove the MAF sensor (14) and the temperature sensor (15) from the factory airbox and transfer the sensors to the aFe intake tube. Use the supplied M4 screws to secure the sensors using a T20 torx.



Figure I

Refer to Figure I for Step 18

Step 18: Install the aFe intake tube by sliding it into the stock elbow coupling then into the filter. Align the intake tube then tighten the clamps.



Figure J

Refer to Figure J for Steps 19-20

Step 19: Reconnect the MAF sensor (16) and the temperature sensor (17).

Step 20: Check all the components are tight and secure. Your installation is now complete. Thank you for choosing aFe POWER!

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



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