



Installation Instructions

For Part Numbers:

302-371 702-461 SynthaMax Dry Media Filter - Black

2009-18 RAM 1500

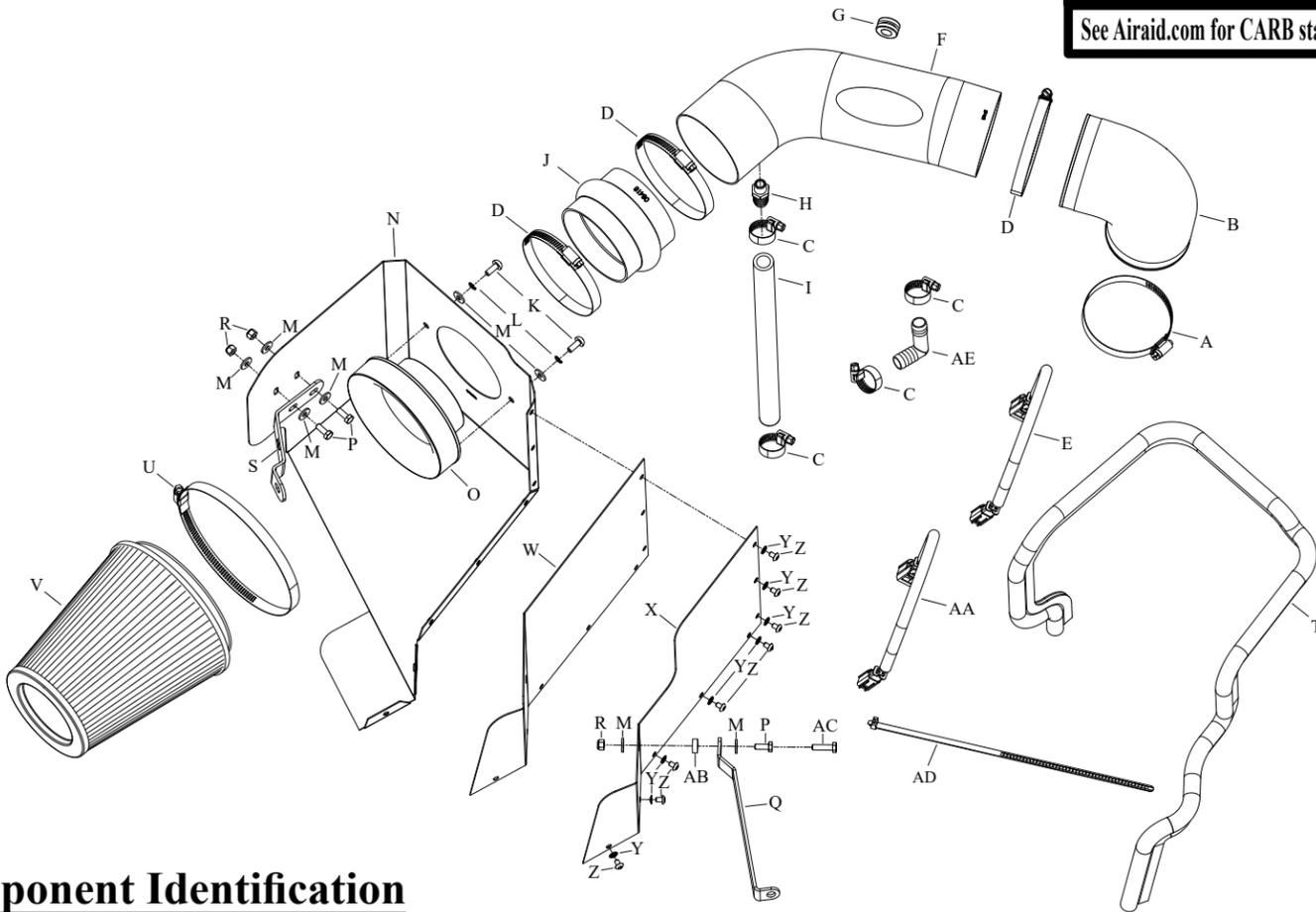
2019 RAM 1500 Classic

2013-18 RAM 2500 /3500

V8-5.7L

NOT LEGAL FOR SALE OR USE ON ANY POLLUTION CONTROLLED MOTOR VEHICLE IN CALIFORNIA OR STATES ADOPTING CALIFORNIA EMISSION PROCEDURES.

See Airaid.com for CARB status on each part for a specific vehicle



Component Identification

Description	Qty.	Part #	Description	Qty.	Part #	Description	Qty.	Part #
A HOSE CLAMP #56	1	08620	K BOLT; M6 X 1.00 X 16MM	2	07730	U HOSE CLAMP # 104	1	08697
B HOSE; 4" TO 3-1/2" ID 90	1	99352-01	L WASHER; 1/4" LOCK, ZN	2	08198	V AIR FILTER	1	702-461
C HOSE CLAMP	4	08413	M WASHER; 1/4"ID X 5/8"OD	8	08275	W HEAT SHIELD A	1	073127
D HOSE CLAMP #64 STAINLESS	3	08645	N HEAT SHIELD	1	073126	X HEAT SHIELD B	1	073128
E EXTENSION HARNESS	1	21681	O ADAPTOR; #454	1	27300	Y M5 WASHER	8	07724
F INTAKE TUBE	1	KIT27462TK	P BOLT; 6MM-1.00 X 16MM	3	07812	Z M5 BOLT	8	07740
G GROMMET; 1"OD,1/2"ID	1	08064	Q BRACKET; "Z", STL, TK/PC	1	083103-1A	AA EXTENSION HARNESS	1	21680
H VENT; STRT, 5/8 BARBED 1/4	1	08911-1	R NUT; 6MM NYLOCK, HEX SS	3	07512	AB SPACER	1	06555
I HOSE; 5/8"ID X 14"L	1	5-4015	S BRACKET; "L", STL, TK/PC	1	083127A	AC BOLT; M6 X 1.00 X 20MM	1	07795
J HOSE; 4" ID X 3" L HUMP	1	KITHUMPHS09EPDM	T EDGE TRIM (55")	1	102480	AD CABLE TIES; 11" BLACK	1	21590
						AE VENT; 90DEG, 3/4" HOSE	1	A2128-44

Full color instructions can be viewed on our web site at Airaid.com. If you need any assistance please call 1-800-498-6951 to speak with a representative in our Customer Service Center before returning the product.

TO START:

1. Turn off the ignition and disconnect the negative battery cable.

NOTE: Disconnecting the negative battery cable erases pre-programmed electronic memories. Write down all memory settings before disconnecting the negative battery cable. Some radios will require an anti-theft code to be entered after the battery is reconnected. The anti-theft code is typically supplied with your owner's manual. In the event your vehicles anti-theft code cannot be recovered, contact an authorized dealership to obtain your vehicles anti-theft code.



2. Release the red locking tab and then disconnect the inlet air temperature electrical connection.



3. Loosen the hose clamp which secures the intake tube to the throttle body.



4. Disconnect the crank case vent hose from the air box.



5. Disconnect the factory intake hose from the throttle body, then lift up the air box assembly and then remove it from the vehicle.

NOTE: AIRAID recommends that customers do not discard factory air intake.



6. Lift up the engine cover to dislodge it from the mounting posts and then remove it from the vehicle.

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7. Disconnect the crank case vent hose from the valve cover port.



8. Measure 11" from the air filter end of the crank case vent tube and then trim the crank case vent tube as shown.



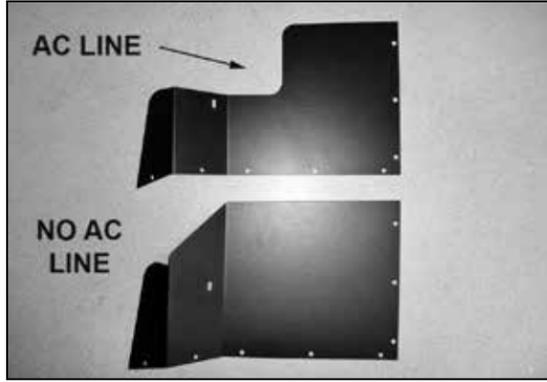
9. Install the provided silicone crank case vent hose onto the cut end of the factory crank case vent tube as shown.



10. Install the crank case vent assembly onto the valve cover port.



11. Reinstall the engine cover onto the mounting studs and route the crank case vent hose through the opening.



12. Some vehicles may have an AC line obstructing installation. Choose the appropriate heat shield wall for the AC line configuration and attach to the heat shield as shown using the provided hardware.



13. Install the provided edge trim onto the heat shield as shown.

NOTE: Some trimming of the edge trim will be necessary.



14. Install the provided filter adapter onto the heat shield as shown and secure with the provided hardware.



15. Install the silicone hump hose onto the filter adapter and secure with the provided hose clamp.



16. Install the heat shield mounting bracket (083127) onto the heat shield using the provided hardware.
NOTE: Do not completely tighten at this time.

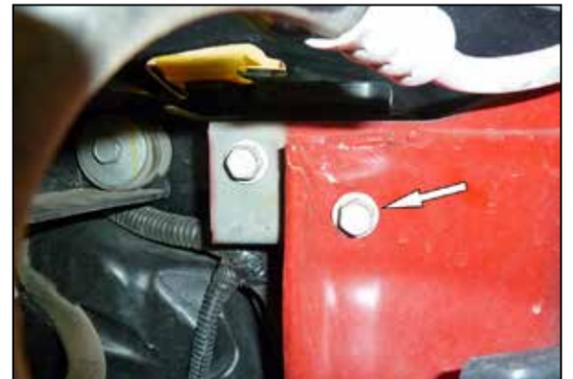


17. Install the heat shield mounting bracket (083103-1A) onto the heat shield using the provided hardware.
NOTE: Do not completely tighten at this time.
NOTE: When using the cut out heat shield wall, place the provided spacer between the bracket and heat shield and use the longer bolt.



18. Remove the front air box mounting bracket bolt shown.

NOTE: This bolt will be used in a later step.



19. Remove the front fender mounting bolt shown.
NOTE: This bolt will be used in a later step.

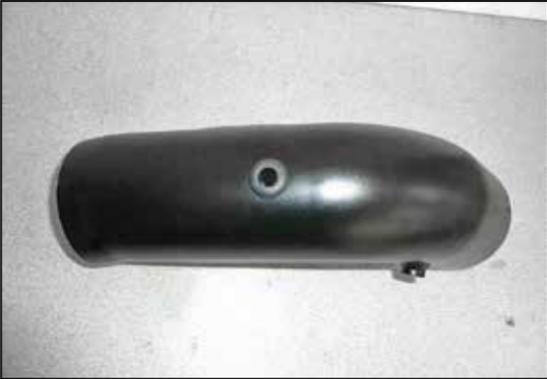


20. Install the heat shield assembly into the vehicle and secure with the bolts removed in steps #18 and #19. Do not completely tighten at this time.

Continued...



21. Install the provided 90° silicone hose onto the throttle body and secure with the provided hose clamp.



22. Install the provided grommet into the AIRAID intake tube as shown.



23. Remove the inlet air temperature sensor from the factory tube and install it into the grommet installed into the AIRAID intake tube as shown.

NOTE: Take care while installing the inlet air temperature sensor as it is very fragile.



24. Install the 1/4npt vent fitting into the AIRAID intake tube as shown.

NOTE: Plastic NPT fittings are easy to cross thread. Install the vent fitting "hand" tight, then turn it two complete turns with a wrench.



25. Install the AIRAID intake tube into the silicone hump hose and then into the silicone hose at the throttle body. Align the heat shield assembly for proper fit and then tighten the heat shield mounting bolts then tighten the hose clamps securing the intake tube.



26. Connect the crank case vent hose to the vent fitting installed into the AIRAID intake tube. Secure with the provided tie wrap.

NOTE: Some trimming of the vent hose will be necessary.



27. Connect the provided inlet temperature sensor extension into the factory wiring harness and then connect the other end to the inlet temperature sensor.

NOTE: The vehicle manufacturer uses two different inlet air temperature sensor connections, choose the correct extension harness for the sensor provided by the manufacturer. Secure the harness with the provided tie wrap.



28. Install the AIRAID air filter and secure with the provided hose clamp.



29. Double check your work!

Make sure there is no foreign material in the intake path. Make sure all clamps, hoses, bolts, and screws are tight. Double check the hood clearance!

Reconnect the negative battery cable!

Thank you for purchasing the Airaid Intake System. Contact Airaid @ (800) 498-6951 8:00 AM - 5:00 PM MST weekdays for questions regarding fit or instructions that are not clear to you. Your Airaid Intake System was carefully inspected and packaged. Check that no parts are missing, or were damaged during shipping. If any parts are missing, contact Airaid. The air filter element is protected from direct exposure to water and debris; care should be taken not to drive through deep water.

WATER INGESTION IS THE DRIVERS RESPONSIBILITY! The air filter is reusable and should be cleaned periodically.

FILTER IDENTIFICATION 702-461 Airaid SynthaMax Dry Media - Black

For your Oiled media filter we offer the
Airaid Tune Up Kit!



P/N 790-551 Aerosol Spray
P/N 790-550 Squeeze Spray



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SynthaMax

Synthamax Air Filters **do not** require oil. Service air filter as needed by cleaning with common non-petroleum all-purpose household cleaner and water. Simple Green®, Formula 409® or equivalent works great. Apply cleaner to outside of air filter and allow to soak. Then flush filter clean from the inside out with a garden hose and repeat steps if necessary. Do not apply high pressure water or air to clean filter. Allow filter to air dry and reinstall.