



Equipped with AEM® Dryflow™ Filter
No Oil Required!

INSTALLATION INSTRUCTIONS

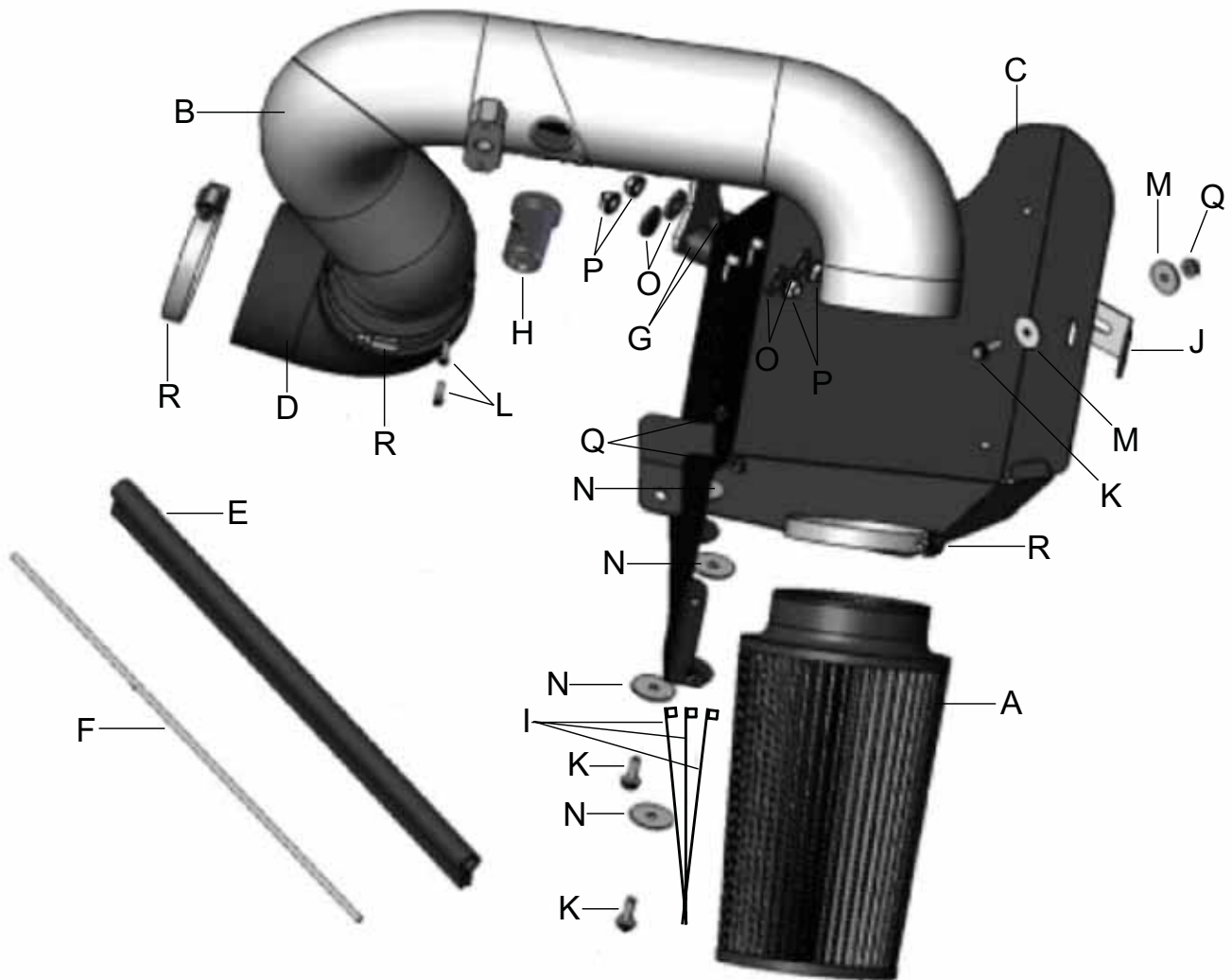
PART NUMBER: 21-8211

2007	DODGE RAM 2500 Pickup L6-5.9L DSL	SEE * NOTE
2007	DODGE RAM 3500 Pickup L6-5.9L DSL	SEE * NOTE
2005-2006	DODGE RAM 2500 Pickup L6-5.9L DSL	C.A.R.B. E.O. # D-392-33
2005-2006	DODGE RAM 3500 Pickup L6-5.9L DSL	C.A.R.B. E.O. # D-392-33
2003-2004	DODGE RAM 2500 Pickup L6-5.9L DSL	SEE * NOTE
2003-2004	DODGE RAM 3500 Pickup L6-5.9L DSL	SEE * NOTE

*** NOTE: Legal in California only for racing vehicles which may never be used upon a highway**

PARTS LIST

Description	Qty.	Part Number
A	1	21-3059DK
B	1	2-82111
C	1	20-8211
D	1	5-490
E	1	8-4012
F	1	8-3020
G	2	1228560
H	1	8-164
I	3	1-127
J	1	32-3048
K	3	1-2038
L	2	1-2097
M	2	559999
N	4	1-3027
O	4	559960
P	4	444.460.08
Q	3	444.460.04
R	3	9464



Read and understand these instructions **BEFORE** attempting to install this product. Failure to follow installation instructions and not using the provided hardware may damage the intake tube, throttle body and engine.

1. Preparing Vehicle

- a. Make sure vehicle is parked on level surface.
- b. Set parking brake.
- c. If engine has run in the past two hours, let it cool down.
- d. Disconnect negative battery terminal.
- e. Do not discard stock components after removal of the factory system.

2. Removal of stock system



a. Stock air box system. Unplug the wiring harness from the Inlet air temperature (IAT) sensor.



b. Loosen the hose clamps securing the flexible inlet hose between the turbo inlet and the air filter housing. Remove the hose.



c. Remove the nut securing the front of the air filter housing to the chassis. Lift up on the air filter housing and remove it from the engine bay.



d. Remove the grommets from the plastic battery tray. Remove the bolt securing the battery tray to the fender.



e. Remove the bolt securing the radiator shroud to the radiator as shown.
NOTE: 03-04.5 models have a different radiator than the 04.5+ models. May differ than picture shown.



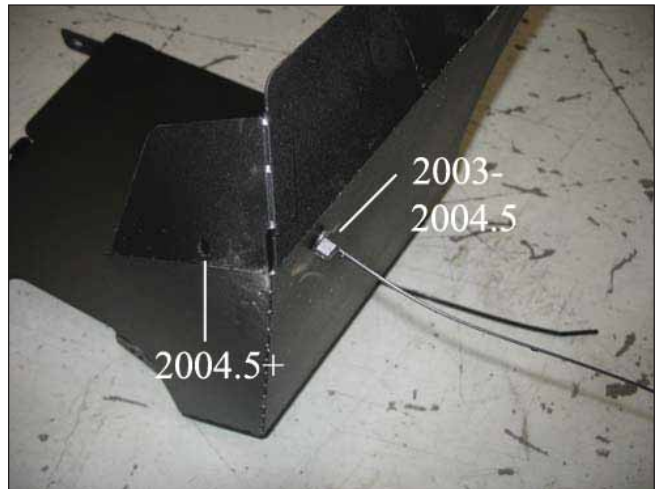
f. Remove the factory air filter restriction gauge and the IAT sensor from the stock air filter housing.

3. Installation of AEM® intake system.

- a. When installing the intake system, do not completely tighten the hose clamps or mounting hardware until instructed to do so.
- b. Before installing intake pipe be sure to check for packaging material in the intake pipe.



c. Stock air box system removed



d. Install one supplied tree mount zip tie into the hole on the heat shield bottom as shown. On earlier models (2003-2004.5), install the lower zip-tie in the hole on the left side of the heat shield.



e. Install the remaining two zip ties into the two remaining holes in the heat shield.



f. Install the supplied rubber edge trim onto the top edge of the heat shield.



g. Install the two rubber mounts into the two holes on the heatshield using the supplied M8 washers and nuts. Do not tighten the nuts.



h. Install the front heat shield mount using the supplied M6 nut and bolt and using the two smaller flat washers. The bracket will need to align with the removed bolt from step 2e.



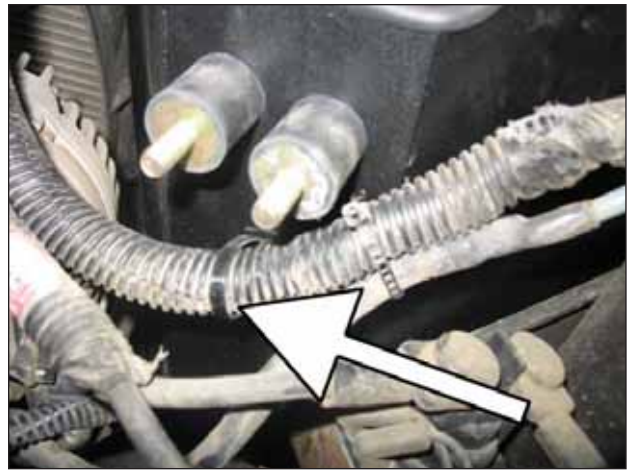
i. Install the heat shield by aligning the two holes on the bottom with the two larger holes on the battery tray. Secure using the two supplied M6 bolts and nuts, and four flat washers.



j. Reinstall the bolt from step 2e. to secure the front heat shield mount.



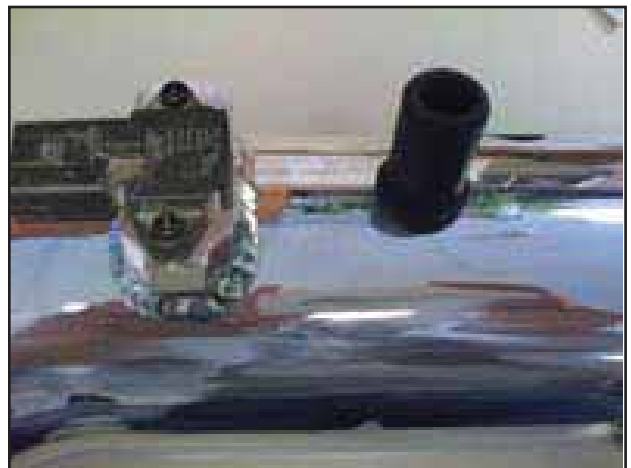
k. Align the small mounting tab with hole where the bolt was removed in step 2d. Reinstall the bolt, securing the heat shield to the top of the fender.



l. Use the installed zip-ties to secure the battery cable, washer bottle hose, and AC hose to the heat shield. Trim excess plastic.



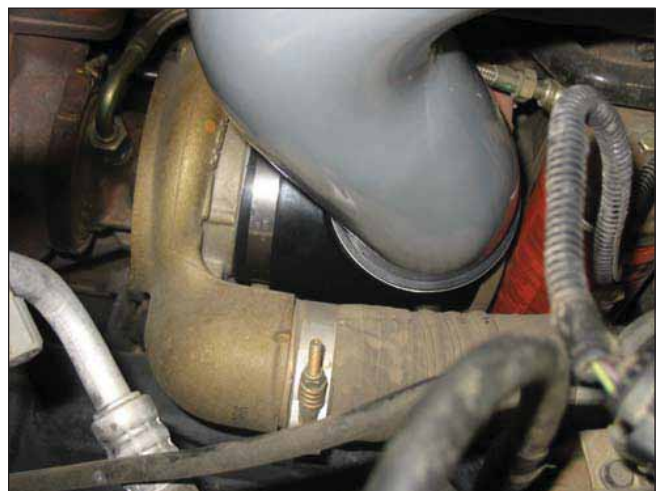
m. Install the IAT sensor into the intake pipe using the two supplied MAF bolts.



n. Install the nipple onto the pipe (use soapy water to aid installation). Place the nipple into the pipe at an angle and rotate it until the groove engages the pipe.



o. Secure the coupler to the turbocharger using a #64 hose clamp but do not fully tighten the clamp yet.



p. Install the intake pipe by sliding the pipe into the elbow installed on the turbo inlet.



q. Align the mounting bracket on the pipe with the two rubber mounts on the heat shield. Install the remaining M8 washers and nuts to secure.



r. Plug the IAT sensor into the wiring harness as shown. Be sure the harness is away from the exhaust manifold.



s. Install the AEM Dryflow™ air filter and secure it with the #64 hose clamp.



t. Reinstall the filter restriction gauge removed in step 2f. onto the nipple adapter (Step 3n).



Factory air box system installed



AEM® intake system installed

4. Reassemble Vehicle

- a. Position the inlet pipes for the best fitment. Be sure that the pipes or any other components do not contact any part of the vehicle. Tighten the rubber mount, all bolts, and hose clamps.
- b. Check for proper hood clearance. Re-adjust pipes if necessary and re-tighten them.
- c. Inspect the engine bay for any loose tools and check that all fasteners that were moved or removed are properly tightened.
- d. Reconnect negative battery terminals and start engine. Let the vehicle idle for 3 minutes. Perform a final inspection before driving the vehicle.

5. CARB Sticker Placement

- a. The C.A.R.B. exemption sticker, (attached), must be visible under the hood so that an emissions inspector can see it when the vehicle is required to be tested for emissions. California requires testing every two years, other states may vary.

6. Service and Maintenance

- a. It is recommended that you service your AEM® Dryflow™ filter every 20,000 miles for optimum performance. Use AEM Dryflow cleaning kit part # 21-110.
- b. Use aluminum polish to clean your polished AEM® intake tube.
- c. Use window cleaner to clean your powder coated AEM® intake tube. **(NOTE: DO NOT USE aluminum polish on powder coated AEM intake tubes).**

For technical inquiries e-mail us at sales@aemintakes.com or call us at 800.992.3000

AEM Air Intake System Warranty Policy

AEM® warrants that its intake systems will last for the life of your vehicle. AEM will not honor this warranty due to mechanical damage (i.e. improper installation or fitment), damage from misuse, accidents or flying debris. AEM will not warrant its powder coating if the finish has been cleaned with a hydrocarbon-based solvent. The powder coating should only be cleaned with a mild soap and water solution. Proof of purchase of both the vehicle and AEM intake system is required for redemption of a warranty claim.

This warranty is limited to the repair or replacement of the AEM part. In no event shall this warranty exceed the original purchase price of the AEM part nor shall AEM be responsible for special, incidental or consequential damages or cost incurred due to the failure of this product. Warranty claims to AEM must be transportation prepaid and accompanied with dated proof of purchase. This warranty applies only to the original purchaser of product and is nontransferable. Improper use or installation, use for racing, accident, abuse, unauthorized repairs or alterations voids this warranty. AEM disclaims any liability for consequential damages due to breach of any written or implied warranty on all products manufactured by AEM. Warranty returns will only be accepted by AEM when accompanied by a valid Return Merchandise Authorization (RMA) number. Credit for defective products will be issued pending inspection. Product must be received by AEM within 30 days of the date RMA is issued.

If you have a warranty issue, please call (800) 992-3000 and our customer service department will assist you. A proof of purchase is required for all AEM warranty claims.