



Equipped with AEM® Dryflow™ Filter  
No Oil Required!

## INSTALLATION INSTRUCTIONS

### PART NUMBER:21-8403

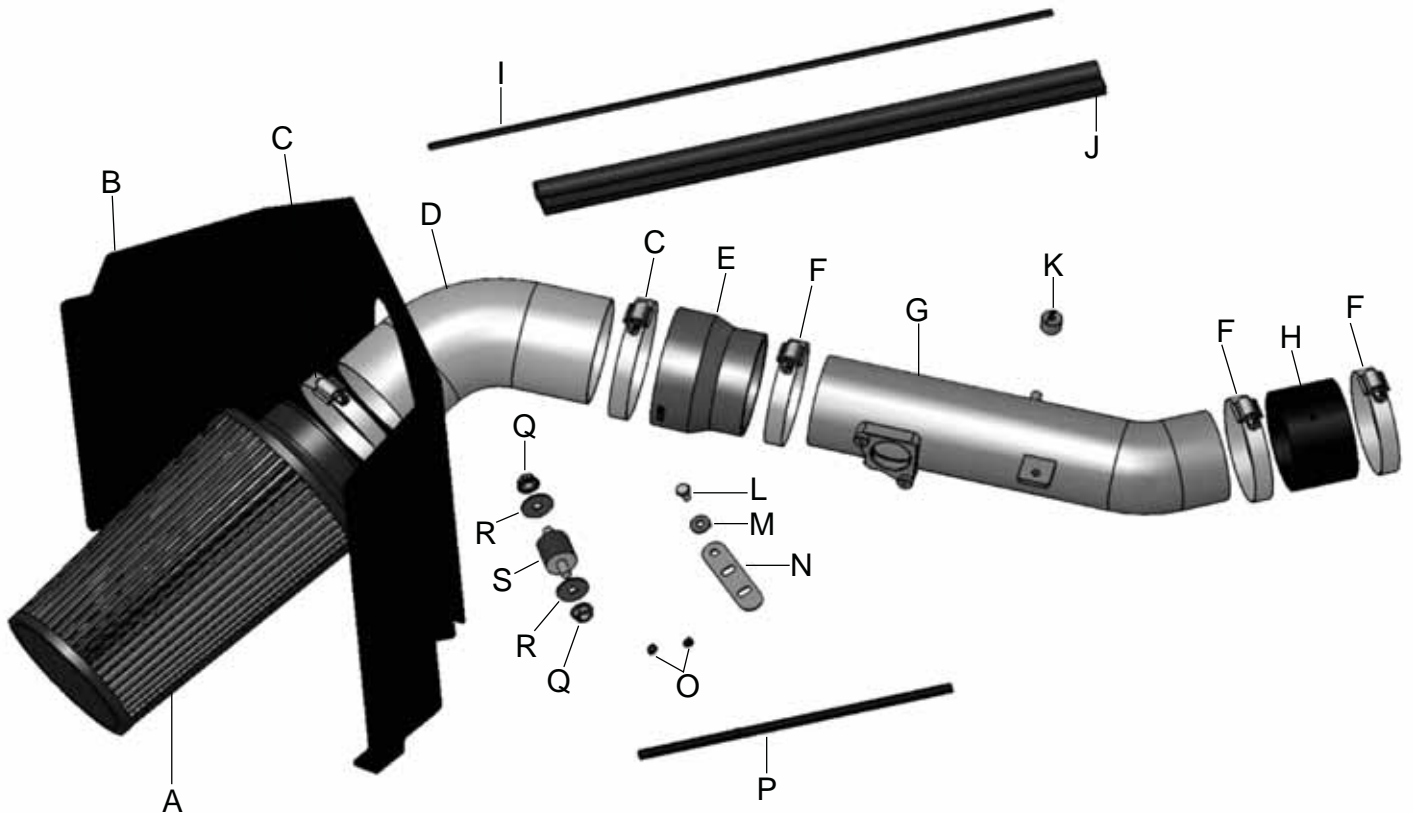
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2006-2011    TOYOTA    Tacoma    V6-4.0L    SEE \* NOTE

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

## PARTS LIST

Description	Qty.	Part Number
A Air Filter Assy. 3.50 X 9" Dry Ele.	1	21-2049DK
B Heat Shield	1	20-8403
C 1/2" Bnd. Hose Clamp, 3.15"-4.00"	2	9456
D Inlet Pipe Short	1	2-84032
E Hose, 3.5/3.0" W/Screen	1	5-582
F 1/2" Bnd. Hose Clamp, 2.56"-3.50"	3	9448
G Inlet Pipe	1	2-84031
H Hose, Silicone 3.00x2" Black	1	5-302
I Rubber Edge Trim 20"	1	8-3020
J Edge Trim, 23"	1	8-4023
K Bung, M6x1.0 Threaded .0625x.50	1	2-784
L Bolt, Hex M6-1 X 12mm	1	1-2065
M Washer, 1/4 SAE Flat	1	1-3028
N Bracket	1	32-3049
O Bolt, Socket 8-32 X 5/16 SS	2	1-2023
P Hose; 5/32"ID X 20"L	1	5-3020
Q Nut, M8 Hex Serrated	2	444.460.08
R Washer, 8mm Soft Mount	2	559960
S Mount, Rubber 1" X 8mm	1	1228560



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. Factory airbox system installed.



b. Remove the two nuts securing the engine cover.

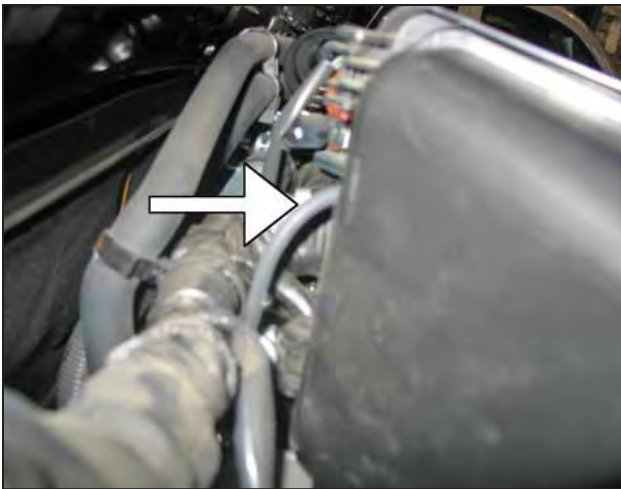


c. Disconnect the wire harness connector from the mass air flow (MAF) sensor.



d. Disconnect the breather hose from the airbox system.

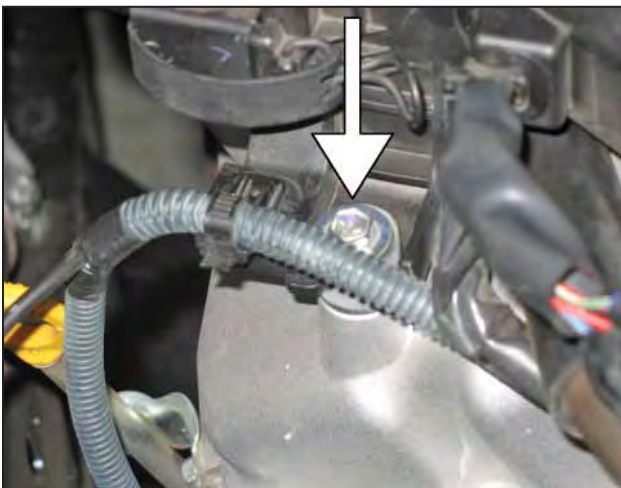




e. Disconnect the breather hose located in the back of the factory intake system, it is the hose connected to the fuel pressure regulator.



f. Remove the bolt securing the factory intake system to the intake manifold.



g. Remove the bolt securing the factory airbox to the valve cover. Retain this bolt, it will be reused in a later step. Remove the zip ties securing the wire harness to the airbox.



h. Remove the two bolts that secure the intake tube to the fender well. The bolt closest to the front of the vehicle will be reused in a later step.



i. Remove the bolt securing the bracket for the A/C line. Retain this bolt as it will be reused in a later step.



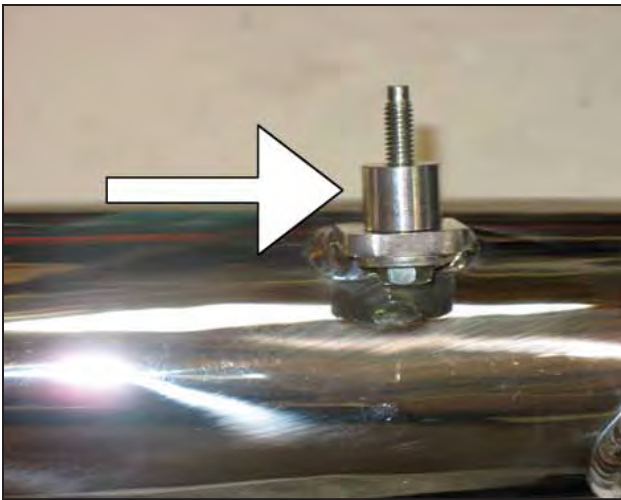
j. Loosen the hose clamp securing the factory airbox to the throttle body.



k. Factory airbox system removed from the vehicle.

### 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. Thread the factory bolt removed in step 2g. into the threaded bung on the intake pipe.



c. Install the MAF sensor in the upper intake pipe using the supplied bolts.





d. Loosen the two nuts securing the ABS module. Tilt the ABS module slightly and slide the heat shield under the ABS bracket.



e. Align the heat shield mounting holes with the bolt holes that were exposed during steps 2h. and 2i when the bolts were removed. Use the factory bolts to secure the heat shield in place. Install the edge trim, and the rubber edge trim onto the heat shield. Install the supplied rubber mount onto the heat shield using the provided hardware.



f. Attach the supplied bracket with an M6 bolt and washer.



g. Attach the factory zip ties to the bracket installed in step 3f.



h. Install the silicone coupler to the throttle body using the supplied #48 hose clamp.



i. Insert the upper intake pipe into the silicone coupler and loosely secure using the another #48 hose clamp.



j. Align the bolt installed in step 3b. with the engine cover. Once aligned, remove the engine cover again.



k. Install the screened hose adapter onto the end of the intake pipe. Insert the short intake pipe into the hose adapter and align the pipe's bracket with the rubber mount. Loosely secure the hose adaptor and short intake pipe with the provided #56 & #48 hose clamps.



l. Install the 5/32 ID hose onto the fuel pressure regulator.



m. Attach the open end of the 5/32 ID hose onto the intake pipe's nipple.





n. Plug the MAF sensor wiring harness into the MAF sensor.



o. Install the PCV hose on the upper intake pipe on the nipple located near the front of the vehicle. Use the factory hose clamp to secure.



p. Insert the air filter into the heat shield cavity and attach the air filter to the intake pipe. Position the air filter for best fitment and secure to the intake pipe with a #56 hose clamp. Secure the intake pipe's bracket to the rubber mount with the supplied washer and locknut.





Factory intake system installed



AEM® intake system installed

#### 4. Reassemble Vehicle

- 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.
- Check for proper hood clearance. Re-adjust pipes if necessary and re-tighten them.
- Inspect the engine bay for any loose tools and check that all fasteners that were moved or removed are properly tightened.
- Reconnect negative battery terminals and start engine. Let the vehicle idle for 3 minutes. Perform a final inspection before driving the vehicle.

#### 5. Service and Maintenance

- 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.
- Use aluminum polish to clean your polished AEM® intake tube.
- 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](mailto: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.