



Equipped with AEM® Dryflow™ Filter
No Oil Required!

INSTALLATION INSTRUCTIONS

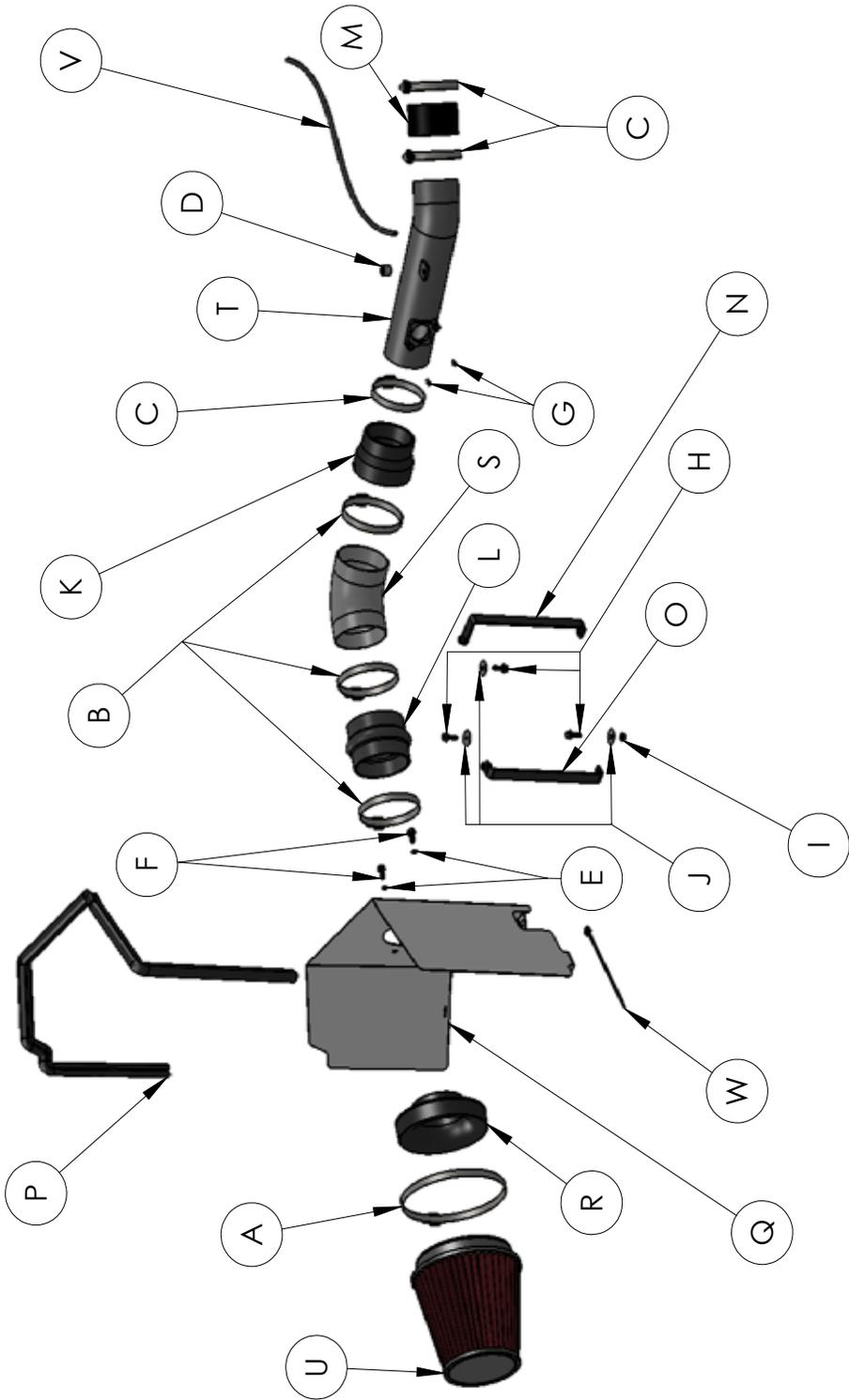
PART NUMBER: 21-8409

2012-2013 TOYOTA TACOMA V-6 4.0L

**LEGAL IN CALIFORNIA ONLY FOR RACING VEHICLES
WHICH MAY NEVER BE USED, REGISTERED
OR LICENSED FOR USE UPON A HIGHWAY.**

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

ITEM	PART NUMBER	DESCRIPTION	QTY.
A	94104	1/2" HOSE CLAMP,4.125-7.00"	1
B	9456	1/2" HOSE CLAMP,3.15"-4.00"	3
C	9448	1/2" HOSE CLAMP,2.56"-3.50"	3
D	2-784	BUNG, M6X1.0 THREADED .0625x.50	1
E	1-3025	WASHER, M6 SPLIT LOCK ZINC	2
F	1-2110	BOLT; HEX/FLANGE M6-1.0 X 12	2
G	1-2023	BOLT; SOCKET 8-32 X 5/16 SS	2
H	1-2038	BOLT; HEX/FLANGE M6-1 X 20	3
I	444.460.04	NUT, M6 HEX SERRATED	1
J	08160	WASHER; 1"D X 1/4 HOLE FENDER	3
K	5-582	HOSE, 3.5" X 3.0" W/SCREEN	1
L	5-1074	HOSE, HUMP 3.50 X 3.00"	1
M	5-302	HOSE, SILICONE 3.00X2" BLACK	1
N	083169	BRACKET 1; LONG ARM	1
O	083168	BRACKET 2; SHORT ARM	1
P	102486	EDGE TRIM, 3/4" TOP LOC., 44"L	1
Q	20-8534	HEAT SHIELD, TACOMA 4.0L, 2013	1
R	21512-1	ADAPTER; UNIVERSAL, 6" FILTER 3.5" COUPLER	1
S	2-1504	TUBE, LOWER PIPE, TOYOTA TACOMA 4.0L 2013	1
T	2-84031	INLET PIPE, TACOMA/FJ/4RUNNER	1
U	21-2097DK	ELEMENT PARTS KIT; 6" X 7"	1
V	5-3020	HOSE; 5/32"ID X 20"L	1
W	1-127	ZIP TIE,8" TREE PUSH-MNT	1



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 a 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 intake system. Loosen the two nuts indicated to remove the engine cover.



b. Loosen spring clamp to disconnect breather hose from plastic elbow. Disconnect MAF sensor harness from sensor.



c. Loosen and remove the two 10mm bolts securing the airbox. Loosen the hose clamp on throttle body.



d. Loosen spring clamp and disconnect air pump hose as shown.



e. Disconnect harness on air pump bracket. Remove the three M6 bolts securing the air pump bracket and set assembly aside.



f. Remove the two bolts securing the stock intake inlet tube down.



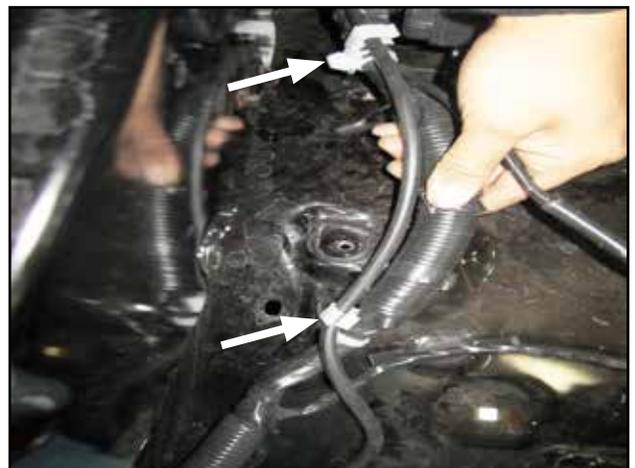
g. Disconnect fuel pressure regulator breather hose from the rear of the stock air box



h. Disconnect air box from throttle and carefully remove stock assembly from the engine bay.



i. Remove the two nuts and one bolt indicated. Set aside for use later with AEM heat shield.



j. Disconnect the two white plastic tree mount clips indicated from the inner fender to obtain slack in air pump wire harness.



k. Remove the MAF sensor from the stock airbox and set aside for use with the AEM upper tube.



l. Remove air pump cover. Disconnect wire harness from bracket. Slide off rubber grommets to separate pump from bracket.

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. Install MAF sensor onto AEM upper tube(T) using the bolts(G) provided.



- c. Use one bolt previously removed in removal Step 2-c and mount onto tab as shown using the provided aluminum bung(D).



- d. Install coupler(M) along with 2 hose clamps(C) and mount tube as shown onto throttle. Do not fully tighten throttle clamp at this time.



- e. Check tube position by reinstalling engine cover and adjust until the bolt lines up to the engine cover as shown. Remove cover and tighten hose clamps once positioned in proper place.



f. Replace fuel pressure regulator hose with the longer hose(V) provided and connect other end to the AEM tube(T) as shown. Reconnect crank case vent hose to the nipple and fasten with stock spring clamp.



g. Loosely mount brackets(N,O) onto air pump as shown using provided bolts(H) and washers(J). Note: Short armed bracket is mounted on left side near hose as shown with bolt pointed upward.



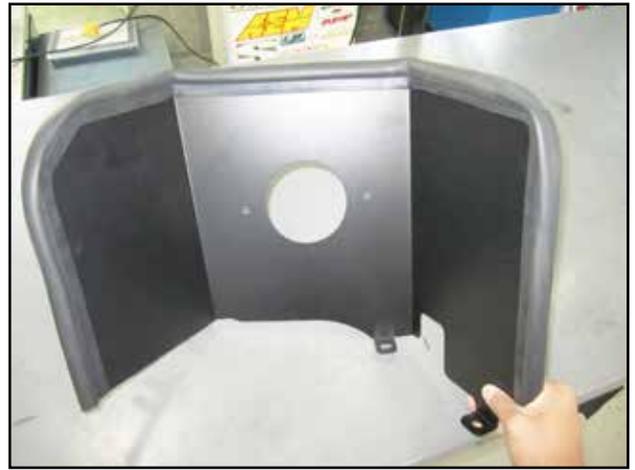
h. Remove the bolt indicated above on the power steering reservoir bracket and set aside for use in the next step.



i. Re-install bolt removed in previous step to secure air pump bracket on right. Line up left bracket to inner fender hole and insert provided bolt(H) through bracket hole.



j. From under vehicle, install nut(I) and washer(J) onto bolt(H) previously installed. Check for clearance near washer reservoir and tighten nut.



k. Install edge trim(P) onto outer edge of heat shield(Q).



l. Mount air horn adapter(R) onto heat shield and secure with lock washers(E) and bolts(F) provided.



m. Carefully install heat shield and line up tabs to holes exposed in removal Step 2-i. Fasten lower tab near air horn using stock bolt from removal Step 2-f. Fasten tab near washer reservoir using bolt from removal Step 2-i. Reconnect air pump harness.



n. Secure rear tabs using the stock nuts from removal Step 2-i.



o. Provide adequate slack to pump harness and use zip tie(W) to secure harness to inner fender as shown. Trim excess end of zip tie.



q. Slide transition coupler(K) end onto upper tube and tighten hose clamp. Position and slide hump hose over air horn collar as shown.



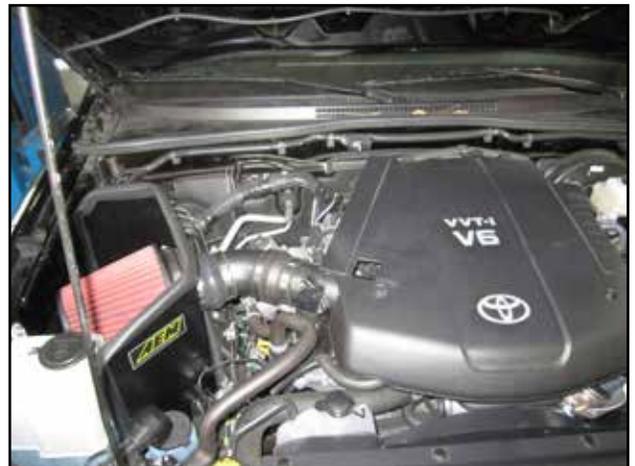
s. Install filter(U) onto air horn and secure with the provided hose clamp(A).



p. Assemble lower tube(S) using components provided(L,B,K,C). Use a soap/water mixture to slide hump hose(L) closer to bend.



r. Ensure that hump hose is seated against heat shield and rotate lower tube into position. Tighten all four hose clamps.



t. Reinstall engine cover with stock hardware. Place AEM decal on heat shield. AEM Brute Force 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 removed are properly tightened.
- d. Reconnect the negative battery terminal and start the engine. Let the vehicle idle for 3 minutes. Perform a final inspection before driving the vehicle.

5. Service and Maintenance

- a. AEM Induction Systems requires cleaning the intake system's air filter element every 100,000 miles. When used in dusty or off-road environments, our filters will require cleaning more often. We recommend that you visually inspect your filter once every 25,000 miles to determine if the screen is still visible. When the screen is no longer visible some place on the filter element, it is time to clean it. To clean, purchase our Synthetic air filter cleaner, part number 1-1000 and follow the easy instructions.
- b. Use window cleaner to clean your 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 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 of 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 20 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.

**LEGAL IN CALIFORNIA ONLY FOR RACING VEHICLES
WHICH MAY NEVER BE USED, REGISTERED
OR LICENSED FOR USE UPON A HIGHWAY.**

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