



Equipped with AEM® Dryflow™ Filter
No Oil Required!

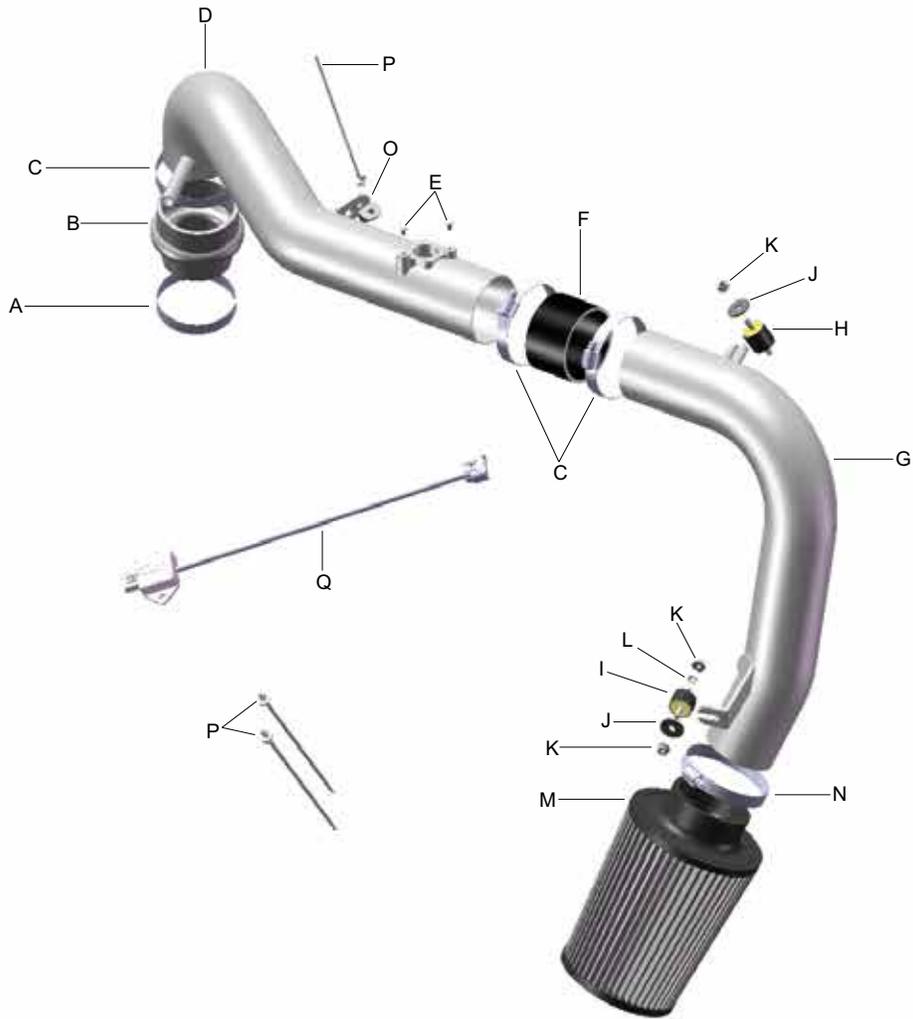
INSTALLATION INSTRUCTIONS

PART NUMBER: 41-1401

2008-2010 SCION tC L4-2.4L

**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



PARTS LIST

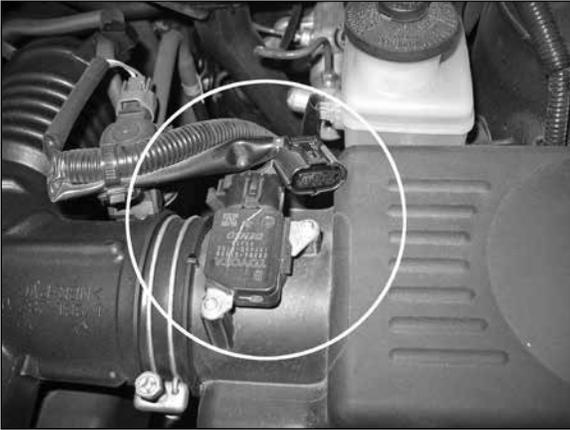
Description	Qty.	Part Number
A 1/2' Bnd. Hose Clamp, 2.15-3.00"	1	9440
B Hose, Hump 2.50/3.00x3.00"	1	5-574
C 1/2" Bnd. Hose Clamp, 2.56"-3.50"	3	9448
D Upper Pipe	1	2-1401
E Bolt,Btn. Hd. M4-0.7 x 6mm	2	1-2051
F Hose, Silicone 3.00x2" Black	1	5-302
G Lower Pipe	1	2-6802
H Mount, Rubber 5/8" x 6mm	1	1228598
I Mount, Rubber 1" x 6mm	1	1228599
J Washer, 6mm Soft Mount	2	08160
K Nut, M6 Hex Serrated	3	444.460.04
L Washer, M6 Ext. Tooth Lock	1	1-3041
M Air Filter Assy. 3.00 x 8" Dry Element	1	21-2038D
N 1/2" Bnd. Hose Clamp, 2.90"-3.75"	1	9452
O Bracket	1	7-7717
P Zip Tie, 8" Tree Push-Mnt.	3	1-127
Q ETI Module	1	40-1401-002

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 all negative battery terminals.
- e. Do not discard stock components after removal of the factory system.

2. Removal of stock system



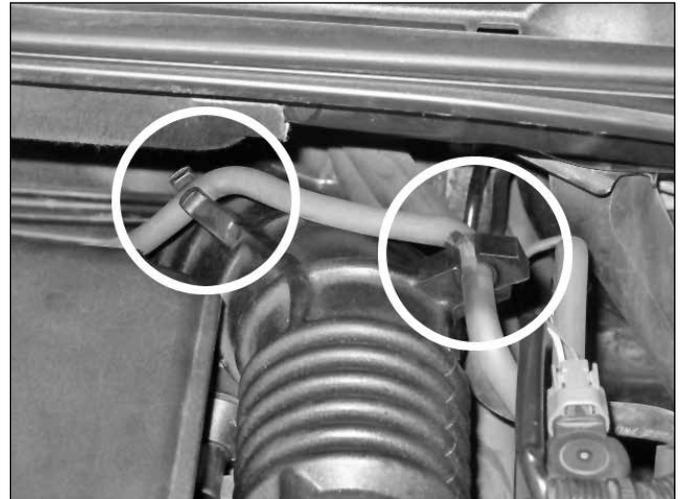
a. Disconnect the mass air flow (MAF) sensor.



b. Disconnect breather hose from intake tube.



c. Remove the mass airflow sensor from the intake tube (Be sure to keep in a safe place to be used later.).



d. Unclip VSV hose from intake tube.



e. Remove the VSV from intake tube by removing this screw. (Be sure to keep in a safe place to be used later.)



f. Remove wire harness bracket, use needle nose pliers to unclip.



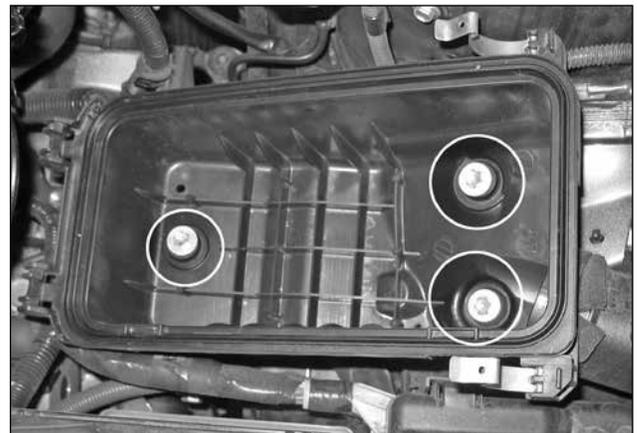
g. Unclip air box lid, but do not remove.



h. Release hose clamp securing the intake tube to the throttle body. Then remove the intake tube/air box lid assembly.



i. Remove air filter element.



j. Remove the 3 bolts holding the air box in place.



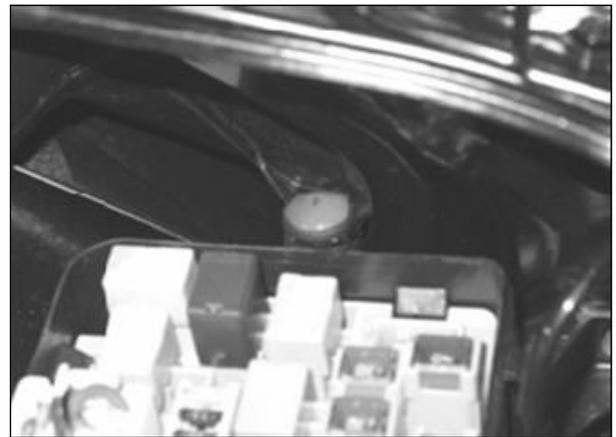
k. Remove the fuse box lid.



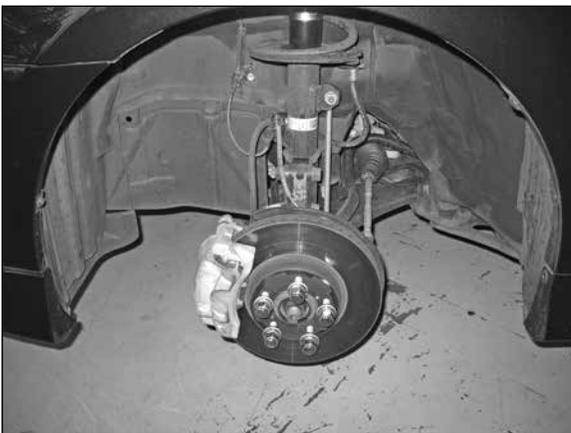
l. Tilt the air filter housing up towards the engine and use needle-nose pliers to unclip the MAF sensor/ VSV wire harness from the housing.



m. Remove the upper clip securing the lower intake tube.



n. Remove the second clip from lower intake tube. Then remove the lower intake tube.



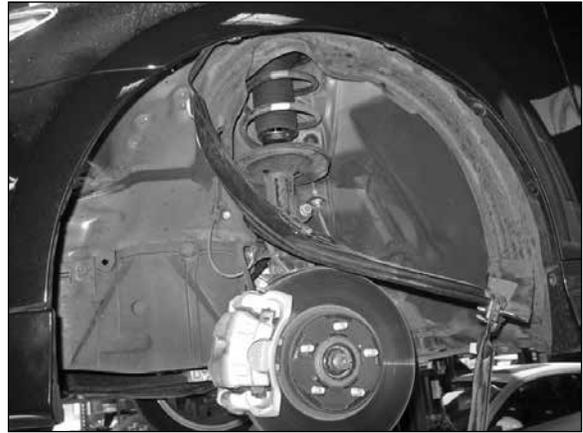
o. Raise the front of the vehicle with a jack. Refer to your owners manual for proper jack and jack stand placement to properly support vehicle. Support your vehicle using properly rated jack stands before wheel removal or while working under the vehicle. NEVER WORK UNDER A VEHICLE WITHOUT USING JACK STANDS. Remove driver side front wheel.



p. Remove driver side splash shield.



q. Remove the screw and clips holding on the driver side fender liner.



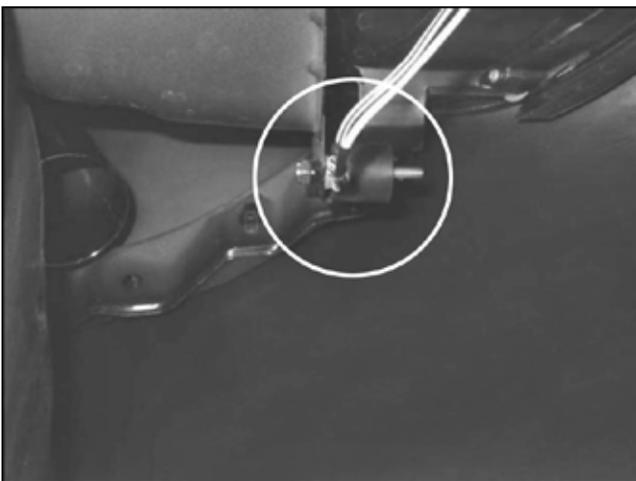
r. Pull driver side fender liner away from front fender and secure behind front brake rotor.



s. Remove bolt securing ground wire to the chassis.

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.



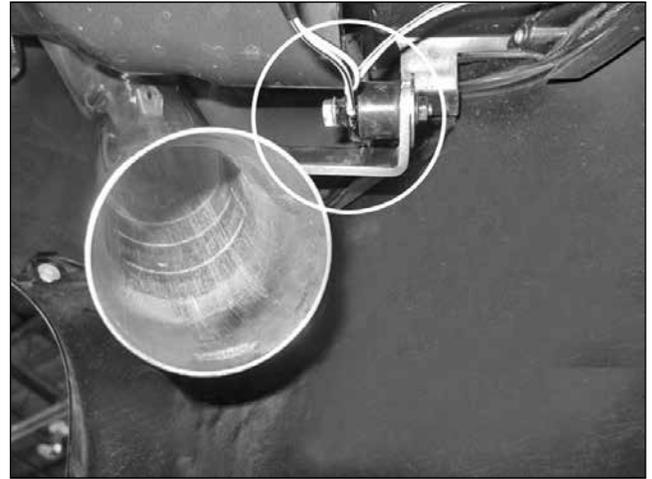
b. Secure the ground strap to the chassis with the short rubber mount (1228599) M6 star washer and M6 nut in the order shown.



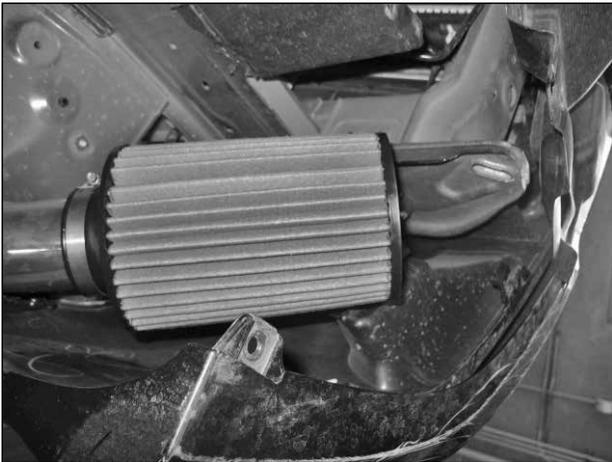
c. Install the long rubber mount (1228598).



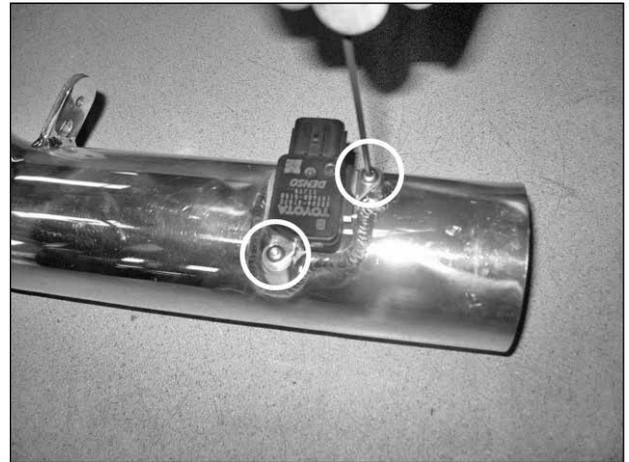
d. Install the lower intake pipe from inside the wheel well (Keep plastic on intake pipe to prevent scratching). Slide upper bracket over rubber mount, loosely secure with 6mm washer and 6mm nut (remove plastic).



e. Loosely secure lower bracket with 6mm washer and 6mm nut.



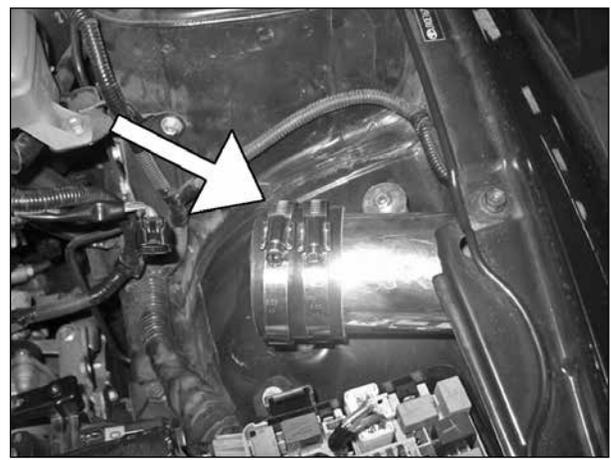
f. Attach the air filter to lower intake pipe and secure with #52 hose clamp.



g. Install the MAF sensor into upper intake pipe using supplied screws (1-2051)



h. Install the small end of the hump hose (5-574) onto the throttle body and secure with #40 hose clamp. Install a #48 hose clamp loosely over the large end of the hump hose.



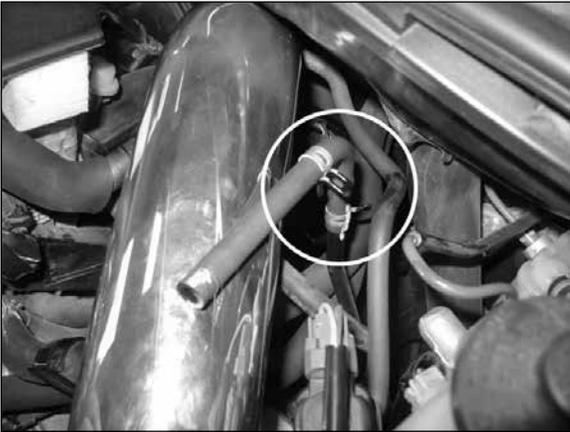
i. Slide the coupler (5-302) and two #48 hose clamps over the lower intake pipe.



j. Install the upper intake tube into the hump hose connected to the throttle body.



k. Align the upper intake tube with the lower intake tube and slide the coupler over the upper intake tube so that the coupler covers both tubes evenly. Loosely secure the three #48 hose clamps.



l. Remove the short vacuum hose from VSV and route the long vacuum hose around the outside of the short vacuum hose.



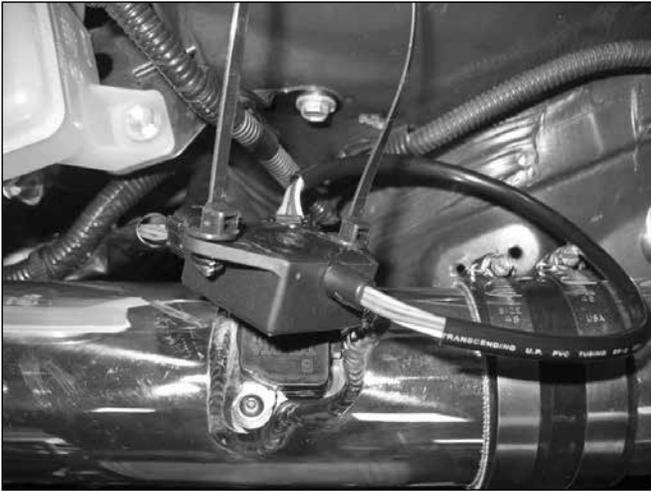
m. Use the screw removed in 2e to secure the VSV and harness bracket (7-7717) to the bracket on the upper intake pipe. Reconnect the short vacuum line.



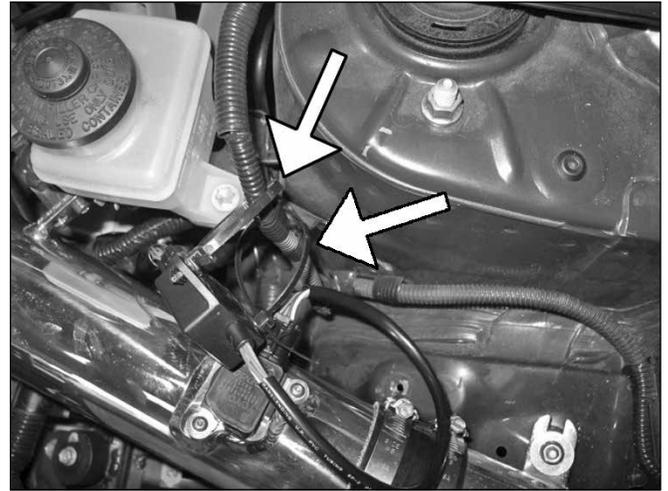
n. Connect the female connector of the ETI module to the MAF sensor installed in the upper intake pipe.



o. Connect the female connector coming from the vehicle to the male connector located on the ETI module.



p. Push the two tree mount zip ties into the two holes located on the ETI module as shown.



q. Wrap the two zip ties around the wiring harness located near the strut tower, and guide them through the locking mechanism.



r. Pull the two zip ties tight and trim the excess.



s. Connect the breather hose to the nipple on the upper intake pipe.



Factory air box system



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. Reinstall the fender liner and splash shield.
- c. Install the driver's side wheel using the factory torque specification (see owner's manual).
- d. Reinstall the fuse cover.
- e. Check for proper hood clearance. Re-adjust pipes if necessary and re-tighten them.
- f. Confirm that the air filter does not contact any surfaces.
- g. Inspect the engine bay for any loose tools and check that all fasteners that were moved or removed are properly tightened.
- h. 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

- 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.

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