



Equipped with AEM® Dryflow™ Filter
No Oil Required!

INSTALLATION INSTRUCTIONS

PART NUMBER: 41-1404

2008-2009

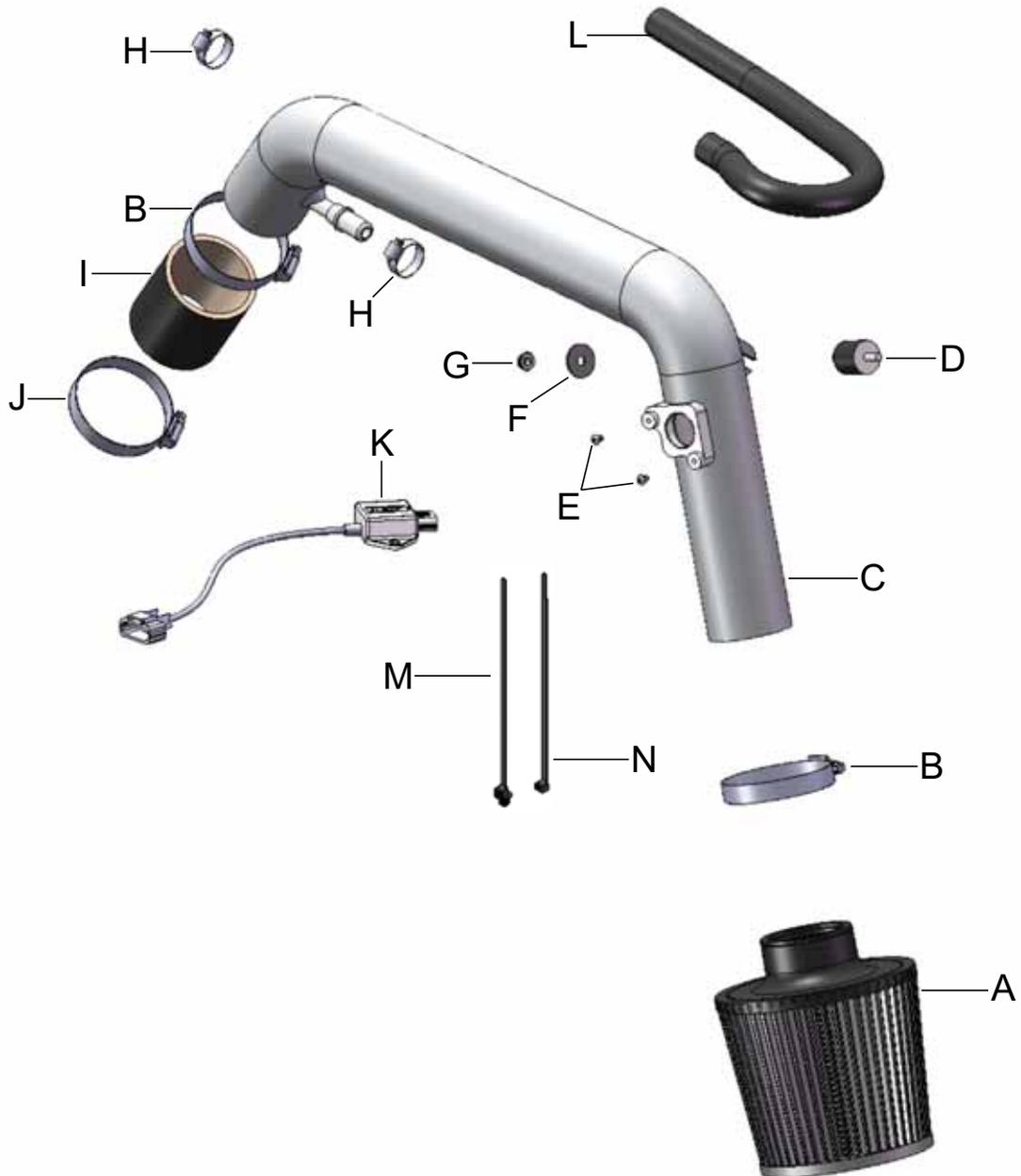
SCION XD L4-1.8L

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	Element Parts Kit 2.50 X 5" Dry Ele.	1	21-201D
B	1/2' Bnd. Hose Clamp, 2.15-3.00"	2	9440
C	Inlet Pipe	1	2-1417
D	Mount, Rubber 1" X 6mm	1	1228599
E	Bolt, Btn. HD M4-0.7 X 6mm	2	1-2051
F	Washer, 6mm Soft Mount	1	559999
G	Nut, M6 Hex Serrated	1	444.460.04
H	Hose Clamp, 1 1/16" Narrow	2	4093-6
I	Hose, Silicone 2.50x3" Blk	1	5-250
J	1/2" Bnd. Hose Clamp, 2.31-3.25"	1	9444
K	ETI Module; Scion XD, Programmed	1	40-1404-002
L	Hose; 5/8"ID X 25"L	1	5-7025
M	Zip Tie, 8" Tree Push-Mnt.	1	1-127
N	Zip Tie, 11.25 Long	1	1-115



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. Jack up the front of the vehicle and support using properly rated jack stands.
- f. Do not discard stock components after removal of the factory system.

2. Removal of stock system



a. Remove the hose from valve cover.



b. Unplug MAF sensor.



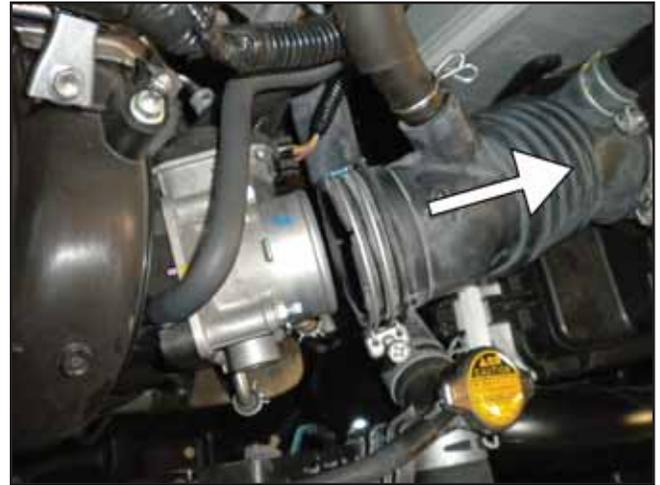
c. Release the 2 clips on air box.



d. Loosen the hose clamp at throttle body.



e. Lift the air box lid from the lower portion of the air box system.



f. Remove the intake hose from the throttle body.



g. Lift lid up to access and remove MAF wire clip.



h. Remove the MAF wire from the lid.



i. Remove the air box lid assembly from the vehicle.



j. Remove air filter element from the lower air box assembly.



k. Remove the two 10mm bolts securing the lower air box assembly.



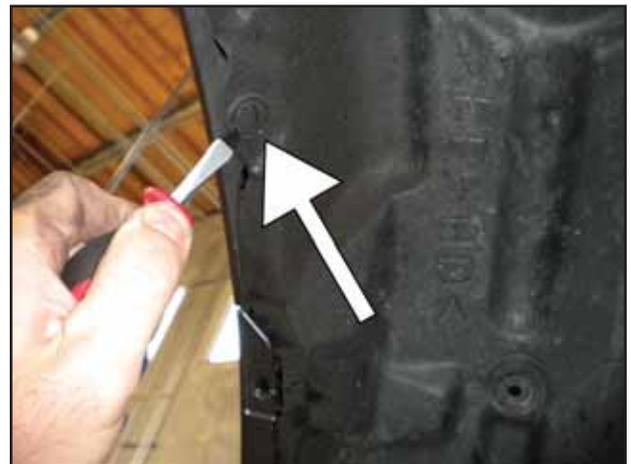
l. Rotate the lower air box assembly and unclip the MAF harness.

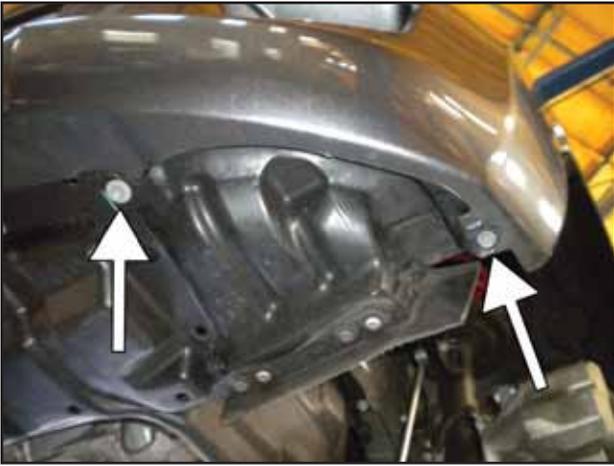


m. Remove the lower air box assembly from the vehicle.



n. Remove the 5 clips securing the driver side fender liner.

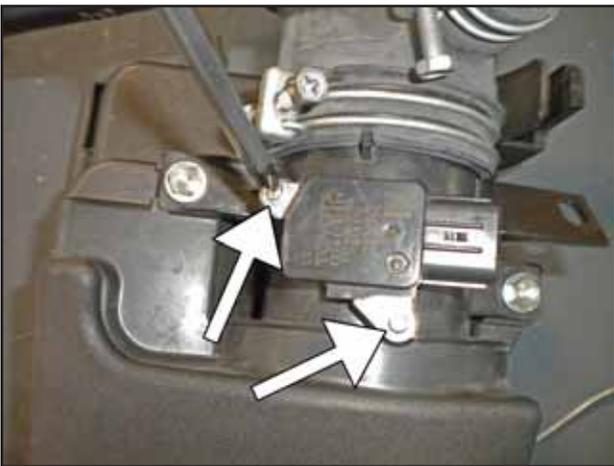




o. Remove the two bolts securing the driver side fender liner.



p. Pull the driver side fender liner out of the way.



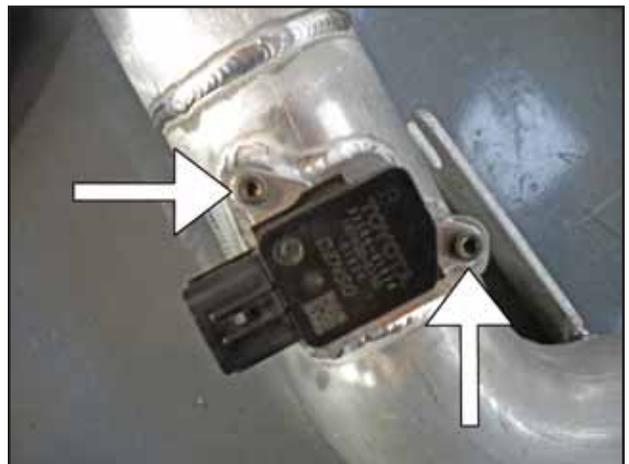
q. Remove two bolts and remove the MAF sensor from the air box assembly removed earlier in step 2i. Set the sensor aside in a safe area.

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 the transition coupler and the two hose clamps on the throttle body.



c. Install the MAF sensor into the intake pipe and secure using the supplied bolts.



d. Remove the upper bolt shown securing the bracket.



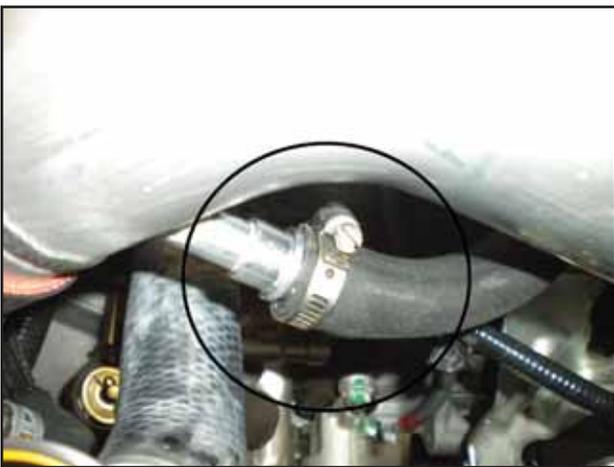
e. Install the rubber mount with the supplied washer and nut and loosely install.



f. Install the inlet pipe in the coupler.



g. Align the intake pipe bracket with the rubber mount and loosely secure using the washer and nut.



h. Connect the PCV hose to the intake pipe and loosely secure the hose with the supplied hose clamp.



i. Connect the PVC hose to the valve cover and loosely secure with the supplied hose clamp.



j. Install the AEM® Dryflow™ filter. Ensure the air filter is secured properly to the intake pipe.



k. Connect the female connector of the ETI module to the MAF sensor. Reinstall the fender liner and clips removed in step 2n and 2o.



l. Using the tree mount zip ties secure the ETI module to the vehicle harness as shown.



m. Connect the female connector coming from the vehicle to the ETI module. Secure the wiring harness with zip tie as shown.



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. 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.