



Equipped with AEM® *Dryflow™ Filter*
No Oil Required!

INSTALLATION INSTRUCTIONS

PART NUMBER: 21-725

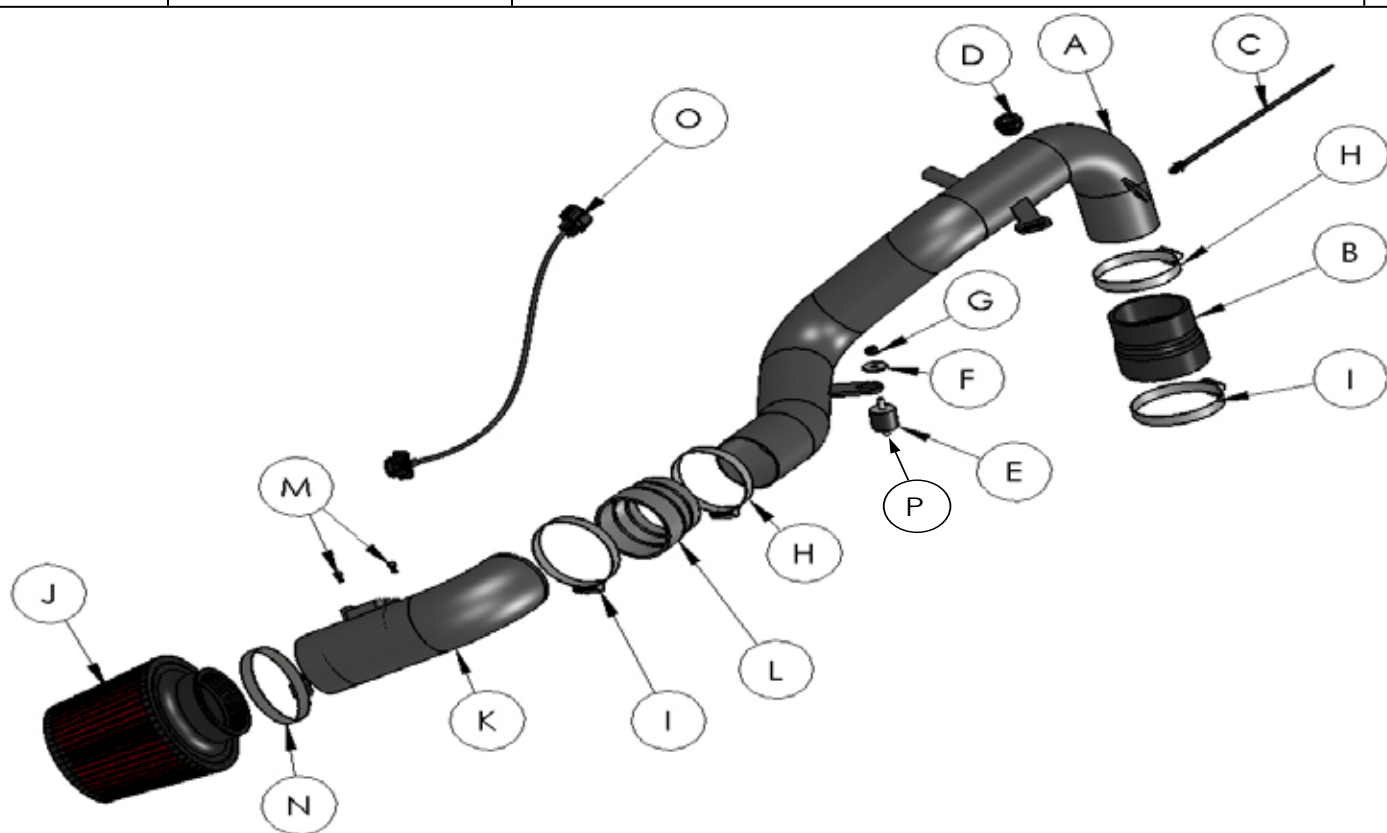
2011-2014

SCION TC

L4-2.5L

PARTS LIST

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
A	2-1465-1	UPPER PIPE, SCION TC 2011	1
B	5-273	HOSE, ADAPTER 2.75/3.00 X 3" BL	1
C	1-127	ZIP TIE,8" TREE PUSH-MNT	1
D	1675-044	GROMMET	1
E	02033	MOUNT,RUBBER 1" X 6MM Male/Female	1
F	08160	WASHER; 1"D X 1/4 HOLE FENDER	1
G	444.460.04	NUT, M6 HEX SERRATED	1
H	9444	HOSE CLAMP, 2.31-3.25"	2
I	9448	1/2" BNDHOSE CLAMP,2.56"-3.50"	2
J	21-203D	AIR FILTER; 3"X5" DRYFLOW	1
K	2-1500	TUBE; LOWER PIPE, SCION TC 2011	1
L	5-273-R	HOSE; ADAPTER 2.75/3.00 X 2-1/2	1
M	1-2105	BOLT, SOCKET M4-.7 X 8MM	2
N	9452	1/2" BNDHOSE CLAMP,2.90"-3.75"	1
O	8-197-1	MAF EXTENTION HARNESS, SCION TC	1
P	1-1018	Screw; Set M6X1X25	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.

The AEM® intake system is a performance product that can be used safely during mild weather conditions. During harsh and inclement weather conditions, you must return your vehicle to stock OEM airbox and intake tract configuration. Failure to follow these instructions will void your warranty.

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 airbox system installed.



b. Disconnect negative terminal on battery using 10mm socket and tuck away from battery.



c. Disconnect wire harness from MAF sensor and unclip MAF wire harness from stock airbox.



d. Pinch and slide back the black spring clamp on the valve cover hose. Twist valve cover hose to disconnect from intake tube.



e. Unhook the vacuum switching valve (VSV) from the rubber inlet tube bracket.



f. Unclip the VSV hose on the rear side of the inlet tube. Tuck the hose and VSV away from inlet tube.



g. Use needle nose pliers to lock open the tube clamp securing the inlet tube to the throttle body. Carefully disconnect the inlet tube from the throttle body, ensuring the tube clamp does not snap back into the unlocked position.



h. Locate the two clips securing the airbox lid next to the battery. Unhook the clips and slowly remove the airbox lid and tube assembly, ensuring the MAF wire harness, VSV, and VSV hose are not snagged during removal.



i. Remove the stock air filter. Loosen and remove the 3 bolts securing the lower airbox using a 10mm socket. Also loosen and remove the bolt securing the inlet air tube in place using a 10mm socket.



j. Detach the wire harness from the rear side of the lower airbox and slide off the metal bracket by slightly pulling back on plastic tab.



k. Disconnect lower airbox from inlet tube. Remove the lower airbox and set aside.



l. Slide the inlet tube down towards the headlight slightly and remove the inlet tube from the vehicle.



m. Remove the MAF sensor using a Phillips head screwdriver and set aside for later use during the AEM® intake installation.

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 MAF sensor onto the lower intake tube (K) using the provided M4 bolts (M), Tighten with an allen wrench.



c. Insert the rubber grommet (D) into the VSV bracket as shown.



d. Insert the tree mount zip tie (C) into the bracket of the upper intake tube as shown.



e. Slide coupler (L) onto the upper tube about 1-1/8th inch and fasten with #44 hose clamp (H)



f. Install the set screw in the female side of the rubber mount with 3/8" left out. Then thread it into the location shown in the picture.



g. Install the reducer coupler (b) on to the throttle body using hose clamps (h) and (l).



h. Install coupler (L) and hose clamp (H) on the upper intake tube.



i. Maneuver the inlet side of the upper intake tube through the channel near the battery and under the wire harness. Pull back the plastic cover panel slightly and carefully slide the outlet side of tube towards throttle body. Insert the #48 hose clamp (I) over the coupler/ throttle body.



j. Position intake pipe (A) so the mounting bracket slides into position over the rubber mount, then loosely fasten with the provided washer (F) and M6 nut (G). Tighten the hose clamp to secure the intake tube to the throttle body.



k. Connect the valve cover hose to the intake tube and secure with the stock spring clamp.



l. Slide the VSV bracket into the rubber grommet as shown.



m. Fasten the VSV hose to the upper intake pipe using the provided tree mount zip tie, trim off excess.



n. slide the additional #48 hose clamp (I) onto the coupler (L) .



o. Raise the front of the vehicle with a jack. Refer to your owner's 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 the specified (1) 10mm bolt and (1) plastic clip on the belly pan near the driver side.



p. Install the DryFlow™ air filter (J) onto the lower intake pipe (K) using a #52 (N) hose clamp and tighten securely.



q. Pull the belly pan edge down and carefully slide the lower intake pipe through the opening. Slide the lower intake pipe into position to mount to the coupler attached to the upper intake pipe. Reinstall the 10mm bolt and plastic clip onto the belly pan, then lower the vehicle.



r. Attach the lower intake pipe (K) to the coupler and maneuver the intake pipe so the bracket slides into place. Check for clearance on the headlight housing and fog light housing (if applicable). Tighten all clamps and nuts once proper clearance is obtained.



s. Plug in the supplied AEM extension harness.



t. Now plug extension harness into the (MAF) sensor.



u. 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 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

- 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).**