Equipped with *AEM DRYFLOW* Filter
No oil required!

Kit Part Number: 21-573

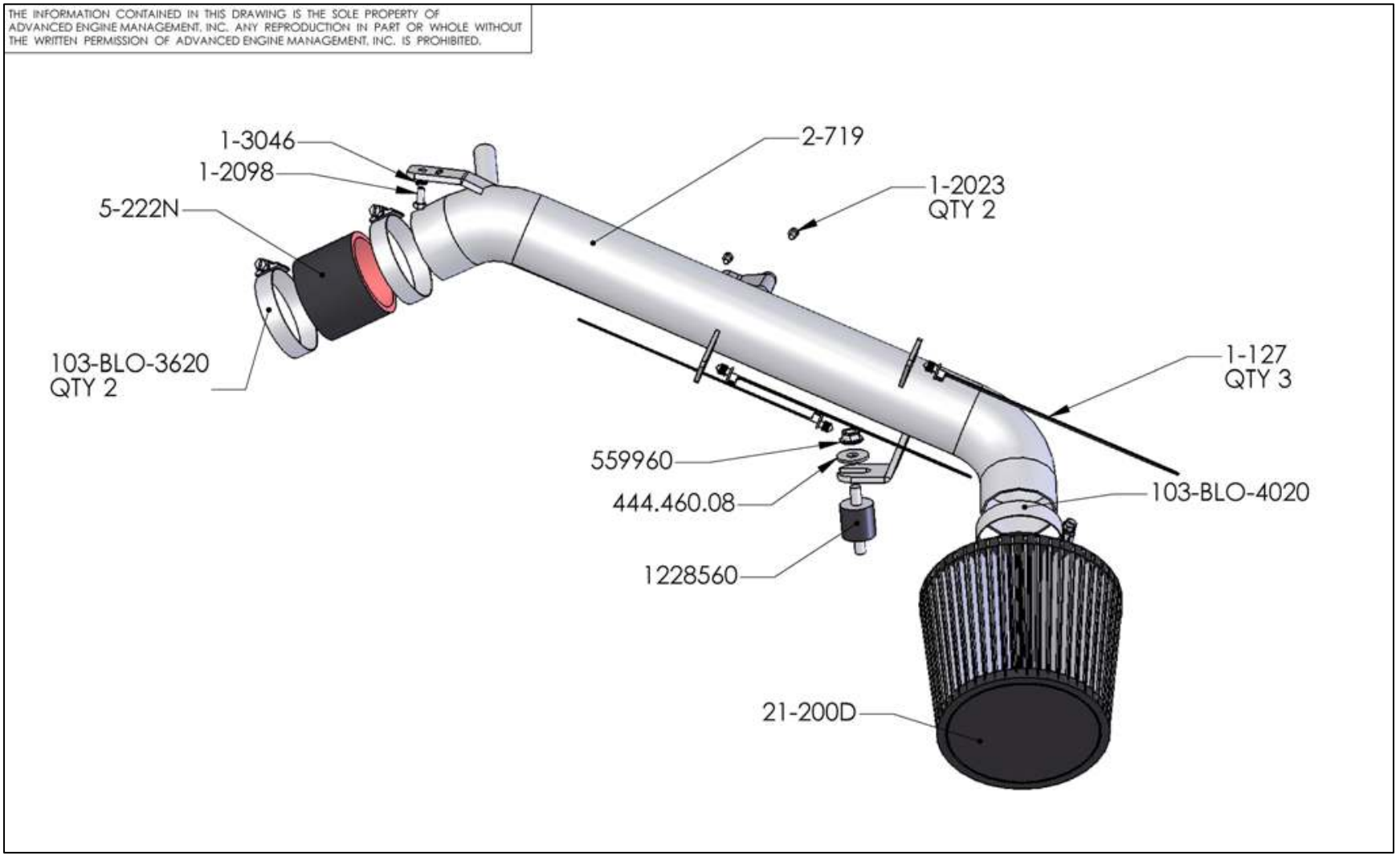
2006-2007 Toyota Yaris 1.5L

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

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Bill of Materials

QTY	PART DESCRIPTION	PART #	QTY	PART DESCRIPTION	PART #
3	Zip Tie, 8” Tree Push-Mnt	1-127	1	Hose Clamp, 2.15-3.00	103-BLO-4020
2	Bolt, Socket 8-32 x 5/16 SS	1-2023	1	Mount, Rubber M8x1”	1228560
1	Bolt, Hex M5x0.8x12	1-2098	1	Intake Pipe	2-719
1	Washer, M5 Split Lock	1-3046	1	Air Filter Assy, 2.25” DRYFLOW	21-200D
1	Instructions, 21-573	10-7549	1	Nut, Serrated Hex M8	444.460.08
2	Decal, AEM Large Silver	10-922S	1	Hose, Silicone 2.25”x2”	5-222N
2	Hose Clamp, 2.25	103-BLO-3620	1	Washer, M8 Soft Mount	559960

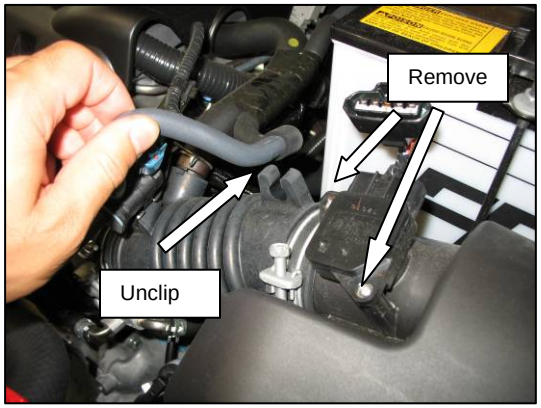
1. Preparing Vehicle

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.

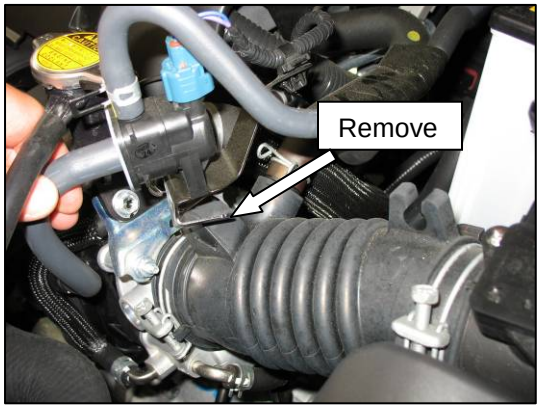
2. Removal of Stock System



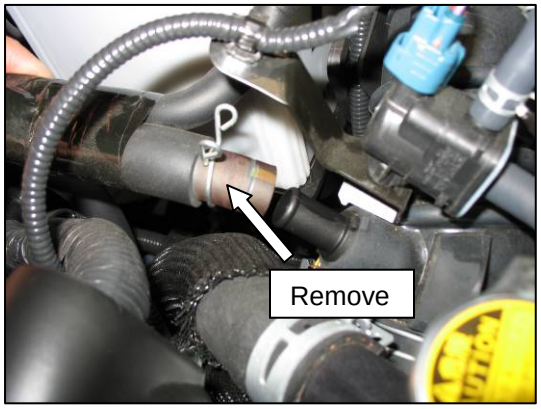
a) This is the stock intake of the Toyota Yaris.



b) Unplug the Mass Air Flow (MAF) sensor wire connector. Loosen the two screws securing the MAF sensor and carefully remove the sensor. Unclip the EVAP VSV hose from the intake tube.



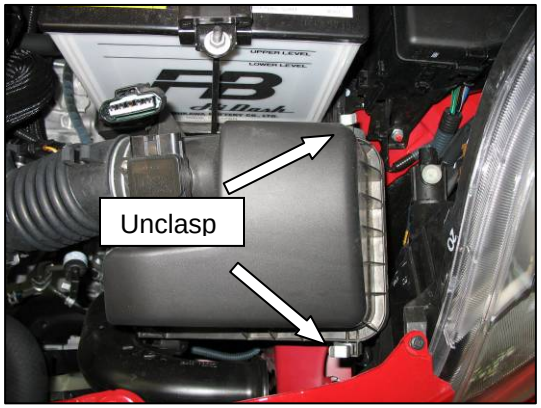
c) Pull the EVAP VSV mounting clip free from the intake tube. Remove the Phillips head screw that secures the mounting bracket to the EVAP VSV.



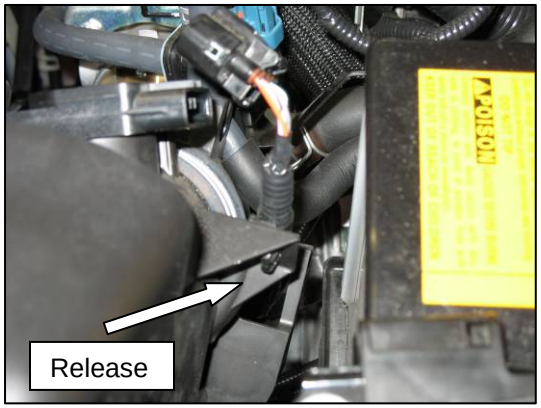
d) Remove the crank case ventilation hose from intake tube by squeezing spring clamp to relieve tension.



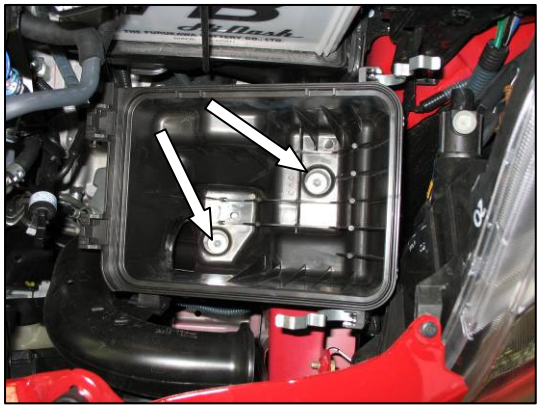
e) Loosen the hose clamp and pull the intake tube clear of the throttle body.



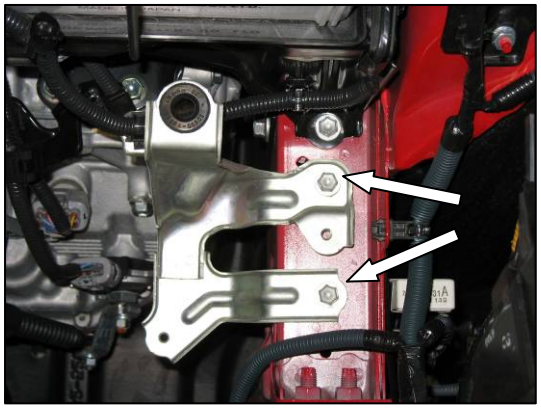
f) Unclasp the two spring clips retaining the air box lid.



g) Lift the air box lid and intake tube as an assembly. Release the wire harness clip from the underside of the air box lid. Remove the air box lid and intake tube from the engine bay. Remove the factory air filter element.



h) Remove the two lower air box mounting bolts. Release the wire harness clip from the underside of the lower air box. Remove the lower air box from the engine bay.



i) Remove the two bolts holding the air box mounting bracket. Release the wire harness clip from the underside of the air box mounting bracket. Remove the air box mounting bracket from the engine bay.

3. Installation of Cold Air Intake

a) When installing the intake system, DO NOT completely tighten the hose clamps or mounting tab hardware until instructed to do so.



b) Install the M8 rubber mount into the forward-most air box bracket mounting hole.



c) Install the silicone coupler on to the throttle body. Loosely install the two #36 hose clamps.



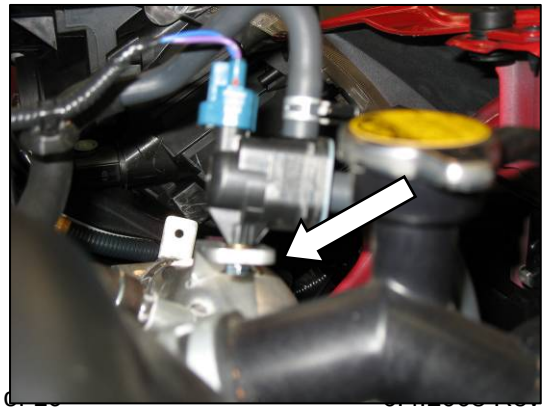
d) Install the MAF sensor into the AEM intake pipe. Secure with the two provided 8-32 screws. Use care during installation to avoid damaging the o-ring.



e) Install the AEM intake pipe into the engine bay. Install the mounting bracket on to the rubber mount installed in step 3b. Insert the other end of the pipe into the coupler installed on the throttle body.



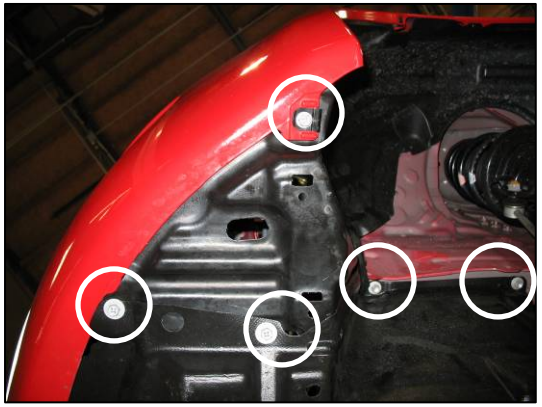
f) Loosely secure the pipe mounting bracket with the supplied M8 washer and nut.



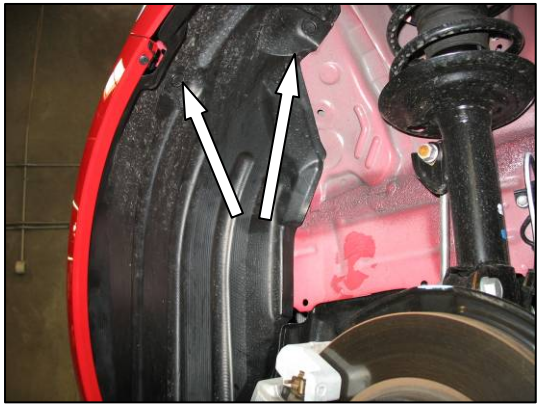
g) Secure the EVAP VSV to the bracket on the intake pipe using the supplied M5 bolt and lock washer. Make sure the alignment tab aligns with the slot in the mounting bracket.



h) Secure the crank case breather hose to the intake pipe with the factory spring clamp.



i) Remove the five screws securing the lower splash guards.



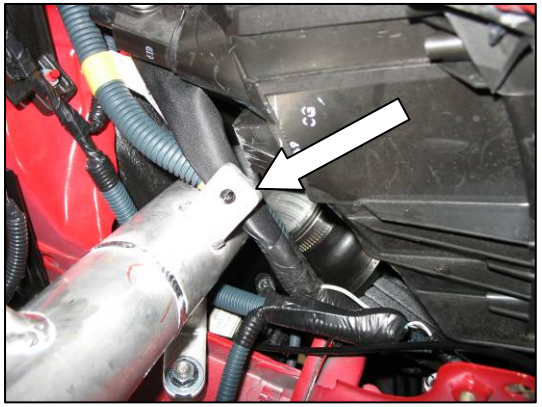
j) Remove the two plastic rivets by popping up the center with a small screwdriver. Pull the fender liner back to expose the inner fender area.



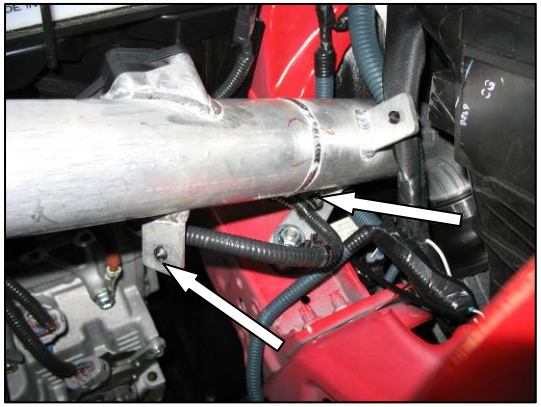
k) Install the AEM Dryflow filter on to the end of the intake pipe. Slide it on until the shoulder inside the filter is flush with the end of the pipe. Secure with the supplied #40 hose clamp.



l) Plug in the MAF sensor connector.



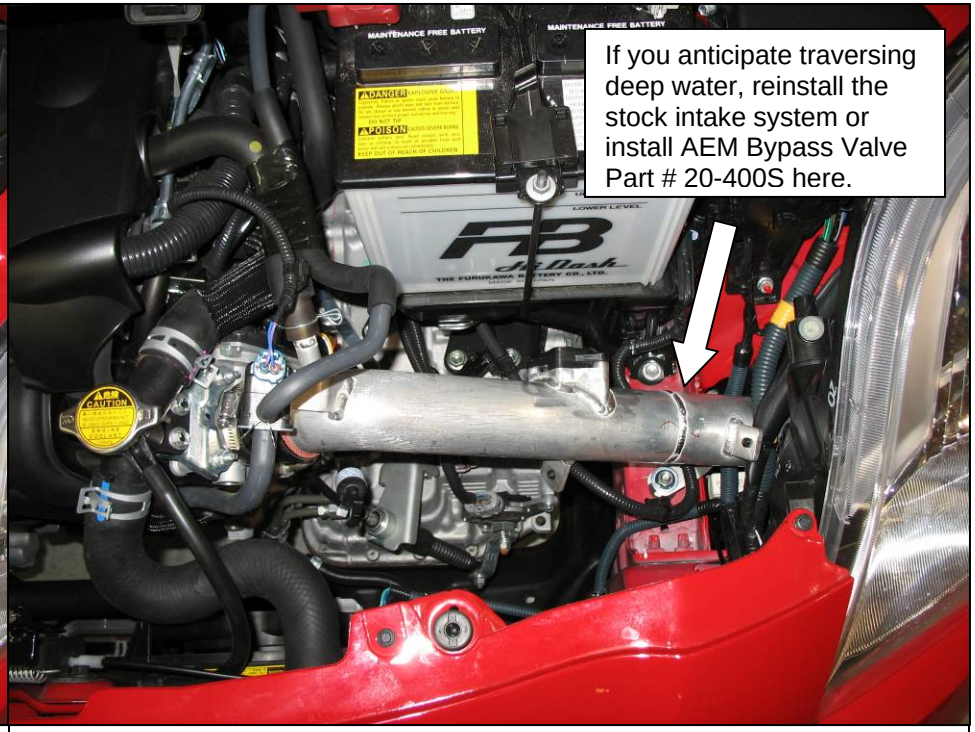
m) If the wire harness behind the headlight rubs the pipe, secure it to the mounting tab with one of the supplied push-mount zip ties. Do not put the harness in tension. Depending on the wiring harness length, this step may not be necessary.



n) Route the MAF sensor connector wire harness under the intake pipe as shown. Secure the harness in two places using the remaining two push-mount zip ties.



Before



If you anticipate traversing deep water, reinstall the stock intake system or install AEM Bypass Valve Part # 20-400S here.

After

4. Re-assemble Vehicle

a) Position the inlet pipes for 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 retighten them. Tighten radiator cap.
c) Inspect the engine bay for any loose tools and check that all fasteners that were moved or removed are properly tight.
d) Reconnect negative battery terminal.
e) Start engine. Let car idle for 3 minutes. Perform a final inspection before driving the vehicle.

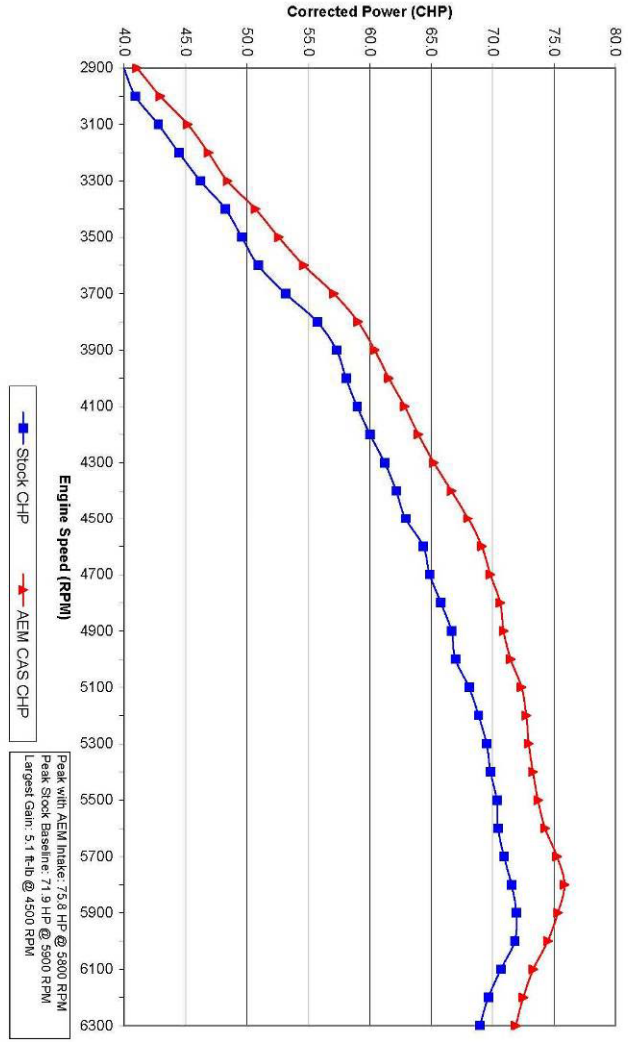
5. Service and Maintenance

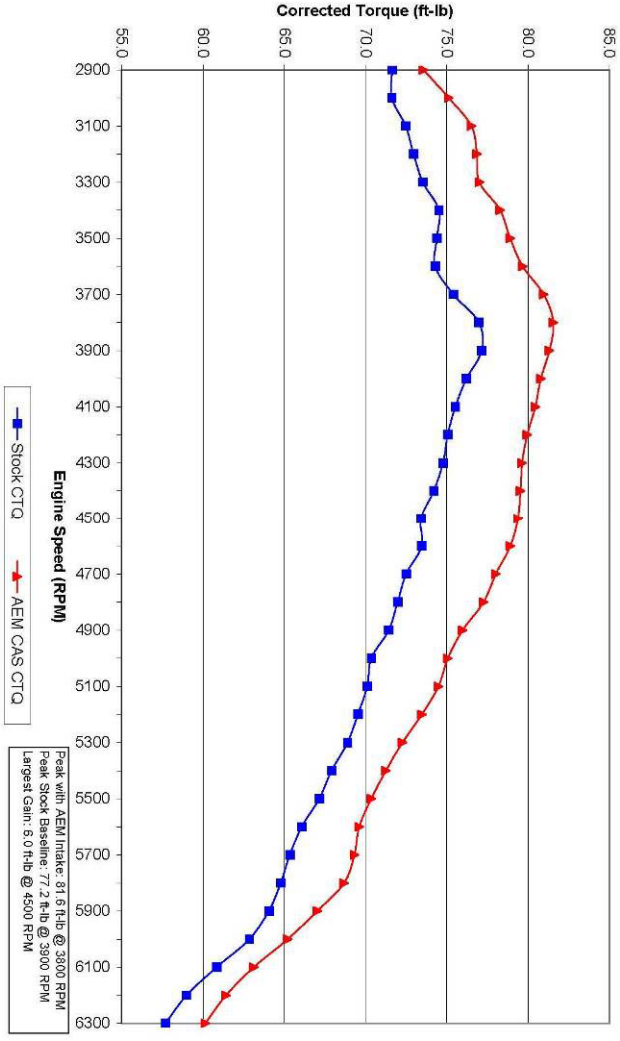
a) It is recommended that you service your AEM dryflow filter every 20,000 miles for optimum performance. Use AEM dryflow cleaning kit part # 21-110.
b) Use aluminum polish to clean your polished AEM Cold Air intake pipe.
c) Use window cleaner to clean your powder coated AEM Cold Air intake pipe. **(NOTE: DO NOT USE Aluminum polish on a powder coated AEM Cold Air intake pipe)**

For technical inquiries
e-mail us at
tech@aempower.com
or
call us at
310.484.2322 Option #3

12 MONTH LIMITED WARRANTY

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.


2006 Toyota Yaris 1.5L
AEM Cold Air Intake System
Corrected Power (HP)
Corrected Power (CHP)
80.0
75.0
70.0
65.0
60.0
55.0
50.0
45.0
40.0
2900
3100
3300
3500
3700
3900
4100
4300
4500
4700
4900
5100
5300
5500
5700
5900
6100
6300
Engine Speed (RPM)
Stock CHP
AEM CAS CHP
Peak with AEM Intake: 75.8 HP @ 5800 RPM
Peak Stock Baseline: 71.9 HP @ 5900 RPM
Largest Gain: 5.1 ft-lb @ 4500 RPM


2006 Toyota Yaris 1.5L
AEM Cold Air Intake System
Corrected Torque (ft-lb)
Corrected Torque (ft-lb)
85.0
80.0
75.0
70.0
65.0
60.0
55.0
2900
3100
3300
3500
3700
3900
4100
4300
4500
4700
4900
5100
5300
5500
5700
5900
6100
6300
Engine Speed (RPM)
Stock CTQ
AEM CAS CTQ
Peak with AEM Intake: 81.6 ft-lb @ 3800 RPM
Peak Stock Baseline: 77.2 ft-lb @ 3900 RPM
Largest Gain: 6.0 ft-lb @ 4500 RPM