



Equipped with AEM® Dryflow™ Filter  
No Oil Required!

# **INSTALLATION INSTRUCTIONS**

## **PART NUMBER**

### **21-814C (GUN METAL GRAY FINISH)**

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2017

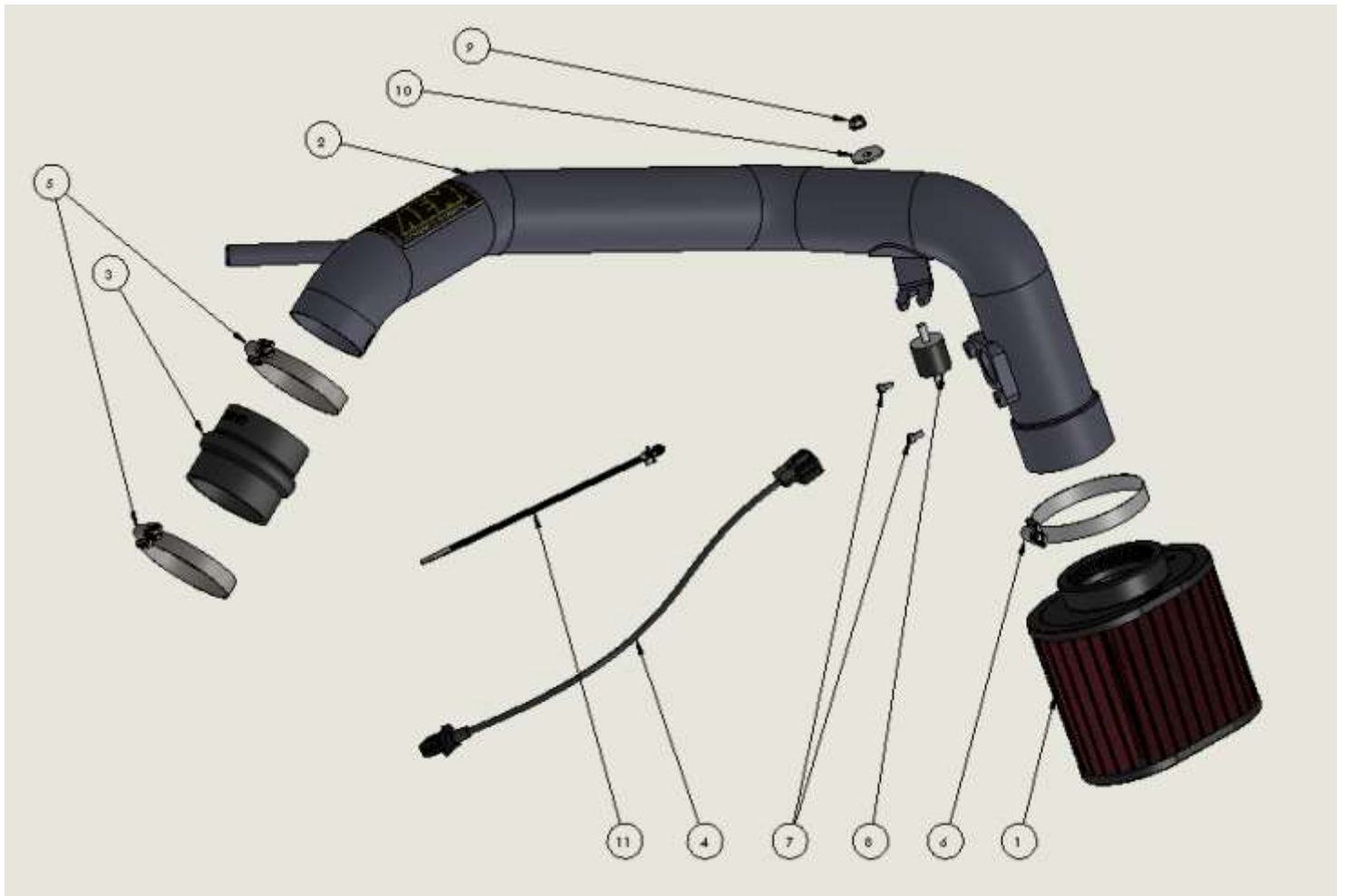
TOYOTA

COROLLA

1.8L

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ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	21-2127DK	AIR FILTER; 2-3/4" X 5" OVAL DRYFLOW	1
2	2-1597C	Tube; 2.50" X 32" L, 2017 Toyota Corolla	1
3	084018	Hose; 2.50"ID x 2.50" L Hump Reinforced	1
4	8-197-1	Extension Harness; 5 Pin 18" Denso	1
5	9440	Hose Clamp; 2.15"-3.00"	2
6	9448	Hose Clamp; 2.56"-3.50"	1
7	07733	Bolt; M4x.07 8mm, A/H Cap , SS	2
8	1228599	Mount, Rubber 1" x 6mm	1
9	444.460.04	Nut; M6 Hex Serrated	1
10	08160	Washer; 1"D x .25" Hole Fender	1
11	1-127	Zip Tie; 8" Tree Push Mount	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. If you need any assistance please call 1-800-858-3333 to speak with a representative in our Customer Service Center before returning the product.

## 1. Preparing Vehicle

- a. Make sure vehicle is parked on level surface.
- b. Set the 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.
- f. Open the air intake kit package and make sure all parts are included.

### Tools Needed:

Screwdriver	Floor Jack
8, 10mm Socket	Jack Stands
Socket Driver	
Pliers	
4mm Hex Key	

## 2. Removal of stock system



a. Pull up on engine cover to remove from rubber grommets.



b. Disconnect both battery terminals, remove bolt that holds battery strap, then remove battery from vehicle.



c. Unplug the Mass Air Flow sensor electrical connector.



d. Remove the 4 bolts that hold the battery tray, the bolt for the ground cable to chassis, and the one bolt for the air box scoop. BOLTS WILL BE REUSED IN STEP 3d.



e. Loosen the clamp to the throttle body, unlatch the clips that hold the air box lid, and disconnect the PCV hose. Then remove the upper intake assembly.



f. Unlatch the wiring harness from the air box, then remove the 3 bolts that hold the lower air box housing.



g. Maneuver the battery tray until there is clearance to remove the air scoop.



h. Remove the MAF sensor from the air box using a screwdriver. The MAF sensor will be reinstalled in step 3b. **Note: handle the MAF sensor with care.**

### 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.



a. Install the coupler on the throttle body with the included hose clamps. Tighten the hose clamp on the throttle body side at this time.



b. Install the MAF sensor onto the AEM intake tube with the supplied M4 fasteners.



c. Tighten the rubber mount to the air box mounting hole, then install the AEM intake tube. **DO NOT TIGHTEN THE NUT UNTIL INSTRUCTED TO DO SO IN THE LATER STEP.**



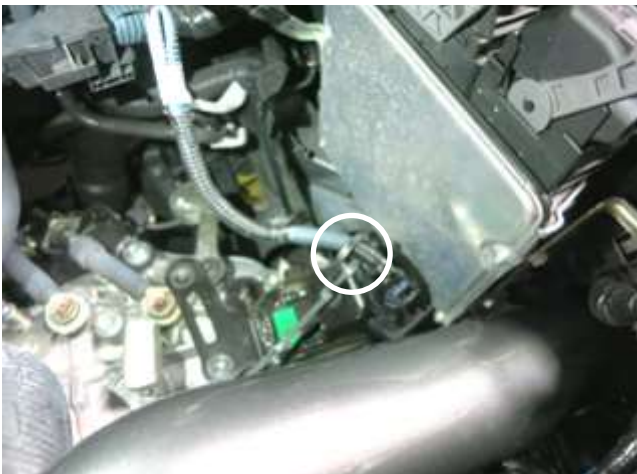
d. Secure the battery tray and ground cable with the bolts removed from step 2d . Then move the battery onto the tray.



e. Secure the battery by tightening the bolt on the core support, then tighten the nut on the battery strap.



f. Lift the vehicle up with a floor jack and secure it with jack stands. Remove the 2 bolts and the push clip on the fender liner as shown. Then pull back fender liner for access.



g. Connect the MAF sensor wire harness extension and route it down to the lower bumper area. Then secure the wiring harness with the supplied push-in zip tie.



h. Install the air filter onto the tube. Be sure to have clearance around the filter before tightening the clamp.



i. Connect the MAF harness extension to the MAF sensor. Then, reinstall the 2 bolts and push clip to secure the fender liner pulled back in step 3f.



j. When proper tube alignment and clearance is achieved, tighten the m6 nut on the rubber mount and the hose clamp on the throttle body and reinstall engine cover.



STOCK INTAKE INSTALLED



AEM INTAKE INSTALLED

#### 4. Reassemble Vehicle

- a. Position all kit components for best fitment. Ensure that no components contact any unintended part of the vehicle.
- b. Check for proper hood clearance. Re-adjust components if necessary and re-tighten them.
- c. Inspect the engine bay for any loose tools and ensure that all fasteners that were moved or removed are properly tightened.
- d. Reconnect negative battery terminal and start 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 powder coated AEM<sup>®</sup> intake tube.

**NOTE: DO NOT USE aluminum polish on powder coated AEM<sup>®</sup> intake tubes.**

For technical inquiries  
e-mail us at  
[sales@aemintakes.com](mailto: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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