



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

# **INSTALLATION INSTRUCTIONS**

## **PART NUMBER: 22-682C (Gun Metal Grey Finish)**

2003-2009 Toyota 4-Runner V6-4.0L C.A.R.B. E..O. # D-670-16

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Not CARB exempt w/o hydrocarbon trap

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	2-1448	INTAKE TUBE; TOYOTA 4-RUNNER	1
2	5-1079	4" ID; AIR ACCELERATOR	1
3	08503	4"ID 90 DEGREE HOSE	1
4	9464	1/2" BNDHOSE CLAMP,3.56"-4.50"	3
5	28-20281	TOYOTA Replacement Filter	1
6	1228560	MOUNT, RUBBER 1" X 8MM	1
7	444.460.08	NUT; M8 HEX SERRATED	1
8	559960	WASHER, 8MM SOFT MOUNT	1
9	8-4108	EDGE TRIM; .390" W, .520" H, 0.090" - 0.190" GAP, BLK; 8"	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.

## 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:**

**Socket Driver**

**Screw Driver**

**12mm Socket**

## 2. Removal of stock system



a. Loosen the hose clamp at the air box inlet and remove the two m8 bolts. The bolts will not be reused.



b. Detach the intake tube from the air box.



c. Pull the intake tube out of the fender and remove from the vehicle. **NOTE:** Do not discard your factory intake components.



d. Unclip the two stock air box clamps.



e. Remove the stock air box lid and the filter.



f. The hydrocarbon trap filter will remain in the air box; do not attempt to remove it. The hydrocarbon trap filter is an emission control device and should not be removed to retain legal status in California

### 3. Installation of AEM<sup>®</sup> 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 AEM filter into the air box lid.



b. Re-install the AEM filter and air box lid to the air box base. Make sure that the back of the lid is correctly hinged.





c. Attach the clips that were undone in step 2d.



d. Install the supplied rubber mount into the threaded hole next to the reservoir as shown.



e. Install the edge trim (8-4108) onto the fender. Then squeeze the air accelerator while installing it into the fender with the flat side of the horn pointing down and slide hose clamp on.



f. Install the 90 degree coupler onto the intake tube with the supplied hose clamps. Do not tighten at this time.



g. Install the intake tube into the accelerator first then, slide the coupler over the air box inlet. The bracket should line up to the rubber mount as well.



h. Install the M8 washer and nut onto the rubber mount securing the tube. After proper tube orientation has been achieved tighten all three hose clamps.



Factory air box system installed



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.
- 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 terminal and start engine. Let the vehicle idle for 3 minutes. Perform a final inspection before driving the vehicle.

## 5. CARB Sticker Placement

- a. The C.A.R.B. exemption sticker, (attached), must be visible under the hood so that an emissions inspector can see it when the vehicle is required to be tested for emissions. California requires testing every two years, other states may vary.

## 6. 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 99-0624 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.**