



Equipped with AEM® Dryflow™ Filter
No Oil Required!

INSTALLATION INSTRUCTIONS

PART NUMBER: 22-464

2004	LEXUS	IS300	L6-3.0L	SEE * NOTE
2001-2003	LEXUS	IS300	L6-3.0L	C.A.R.B. E.O. # D-670

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

PARTS LIST

Description	Qty.	Part Number
Element Parts Kit 3.00 X 5" Dry Ele.	1	21-203DK
Short Pipe,	1	2-4641
Hose, Adapter 2.75/3.00 X 3" Bl.	1	5-273
Hose; 3/8"ID X 15"L	1	5-1015
Mount, Rubber 1" X 6mm	1	1228599
Air Duct Hold Down	1	2-654
Bolt, Socket 8-32 X 5/16 SS	2	1-2023
Bolt, Socket M6-1 X 14mm	1	1-2041
Washer, M6 X 12mm OD Zinc	1	1-3018
Washer, 6mm Soft Mount	1	08160
Nut, M6 Hex Serrated	2	444.460.04
Hose Clamp, 3/4"	2	4093-5
Hose Clamp, 1"	1	99024.032
1/2" Bnd. Hose Clamp, 2.31-3.25"	1	9444
1/2" Bnd. Hose Clamp, 2.56"-3.50"	1	9448
1/2" Bnd. Hose Clamp, 2.90"-3.75"	1	9452

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. Do not discard stock components after removal of the factory system.

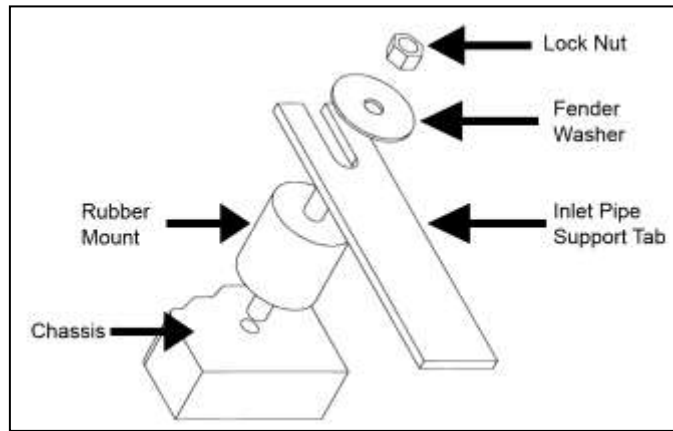
2. Removal of stock system

- a. Remove the four nuts securing the engine cover. Remove the engine cover. (Fig. 1)
- b. Remove the spring hose clamp securing the PCV (positive crankcase ventilation) hose to the air inlet tube. Disconnect PCV hose from the air inlet tube. (Fig. 2)
- c. Loosen the two hose clamps securing the air inlet tube to the throttle body and the intake resonator assembly. Remove the air inlet tube. (Fig 2&3)
- d. Disconnect the MAF meter connector from the MAF meter. Remove the plastic hold clip that secures the MAF wire connector harness to the intake resonator assembly. (Fig. 4)
- e. Remove the bolt securing the air cleaner inlet. (Fig. 5)
- f. Remove the three bolts securing the intake resonator assembly. (Fig. 3)
- g. Remove the bolt securing the VSV(vacuum switching valve) for the CCV(canister closed valve) to the intake resonator assembly. Remove the two spring hose clamps securing the VSV hose from the VSV to the intake resonator assembly. Remove the VSV hose. Remove the two plastic hold clips securing the VSV wire connector harness to the intake resonator assembly. Set aside as it will be used in the installation of the AEM® intake.(Fig. 6)
- h. Remove the intake resonator assembly.
- i. Remove the two screws securing the MAF meter to the intake resonator assembly. (Fig. 4) Remove the MAF assembly and set aside.

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. Check to see that the inside of the AEM® inlet pipe and air filter are clean and free from any obstructions.
- c. Install the MAF meter to the AEM® intake pipe using the two supplied bolts in the kit. (Fig. 7)
- d. Install the 3" AEM® Dryflow™ filter to the AEM® intake pipe using the supplied hose clamp in the kit.
- e. Install the 2.75" side of the reducer connector hose on the throttle body. Install one 2.75" hose clamp on the reducer connector hose.
- f. Slide the throttle body end of the inlet pipe into the connector on the throttle body. On the AEM® inlet pipe that is the end closest to the PCV nipple. Install one 3" hose clamp on the reducer connector hose around the inlet pipe. (Fig. 8)
- g. The support tab on the inlet pipe will line up with a threaded hole that was used to secure the intake resonator assembly in the vehicle. (Fig. 9) Install the rubber isolator mount and attach the air inlet tube onto the rubber mount. Install the large fender washer and the lock nut onto the isolator mount stud and snug it down.

NOTE: Failure to install the rubber mount will void all warranties of the air intake system. Below on the next page is a diagram of how the rubber mount should be installed.



- h. Connect the stock PCV hose to the AEM® inlet pipe using the 1" hose clamp provided in the kit. (Fig. 8)
- i. Remove the nut securing the bracket to the ABS distribution block. Install the VSV mounting bracket onto this stud and use the original nut to secure it in place. (Fig. 10) Connect the supplied 3/8" hose from the VSV lower port to the AEM® intake pipe using the two 3/4" hose clamps provided in the kit. Reinstall the stock hose from the side port of the VSV to the hard line. (Fig. 11)
- j. Install the air cleaner inlet back into the vehicle using the stock bolt. Install the cleaner inlet hold down into the vehicle using the supplied bolt, nut & washer. (Fig. 12)
- k. Re-Connect the MAF wire connector harness to the MAF sensor. (Fig. 7)

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. 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. 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).**

Reference Diagrams:



Fig. 1



Fig. 2



Fig. 3

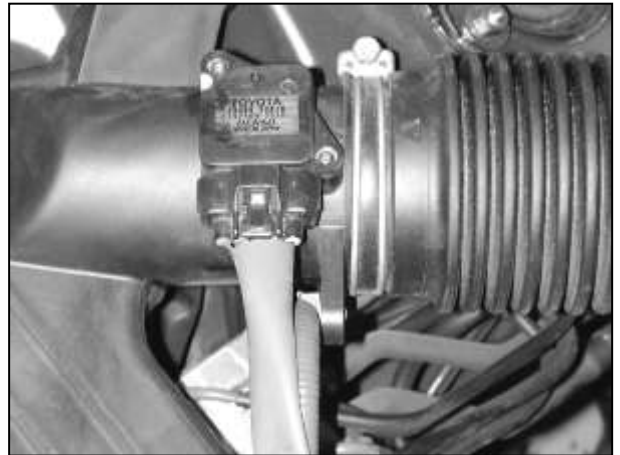


Fig. 4

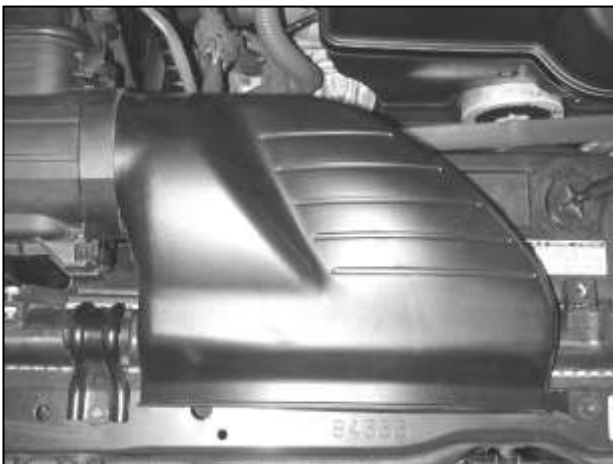


Fig. 5

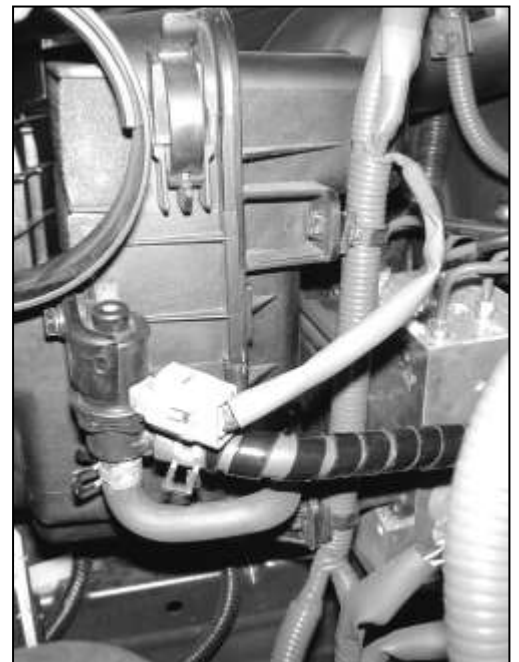


Fig. 6

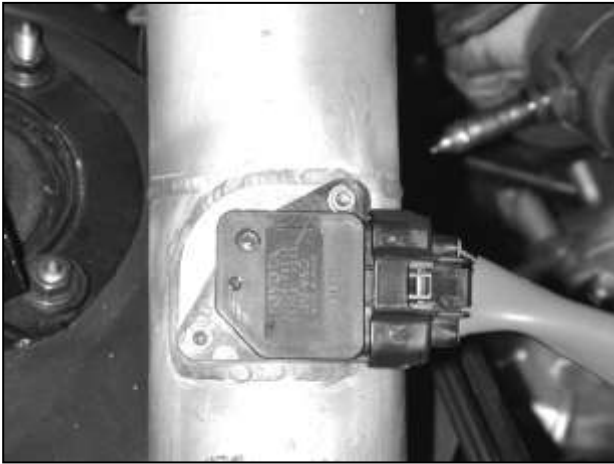


Fig. 7



Fig. 8



Fig. 9



Fig. 10



Fig. 11



Fig. 12



AEM[®] intake system installed