



Equipped with AEM® Dryflow™ Filter
No Oil Required!

INSTALLATION INSTRUCTIONS

PART NUMBER

21-824C (GUN METAL GRAY FINISH)

2016

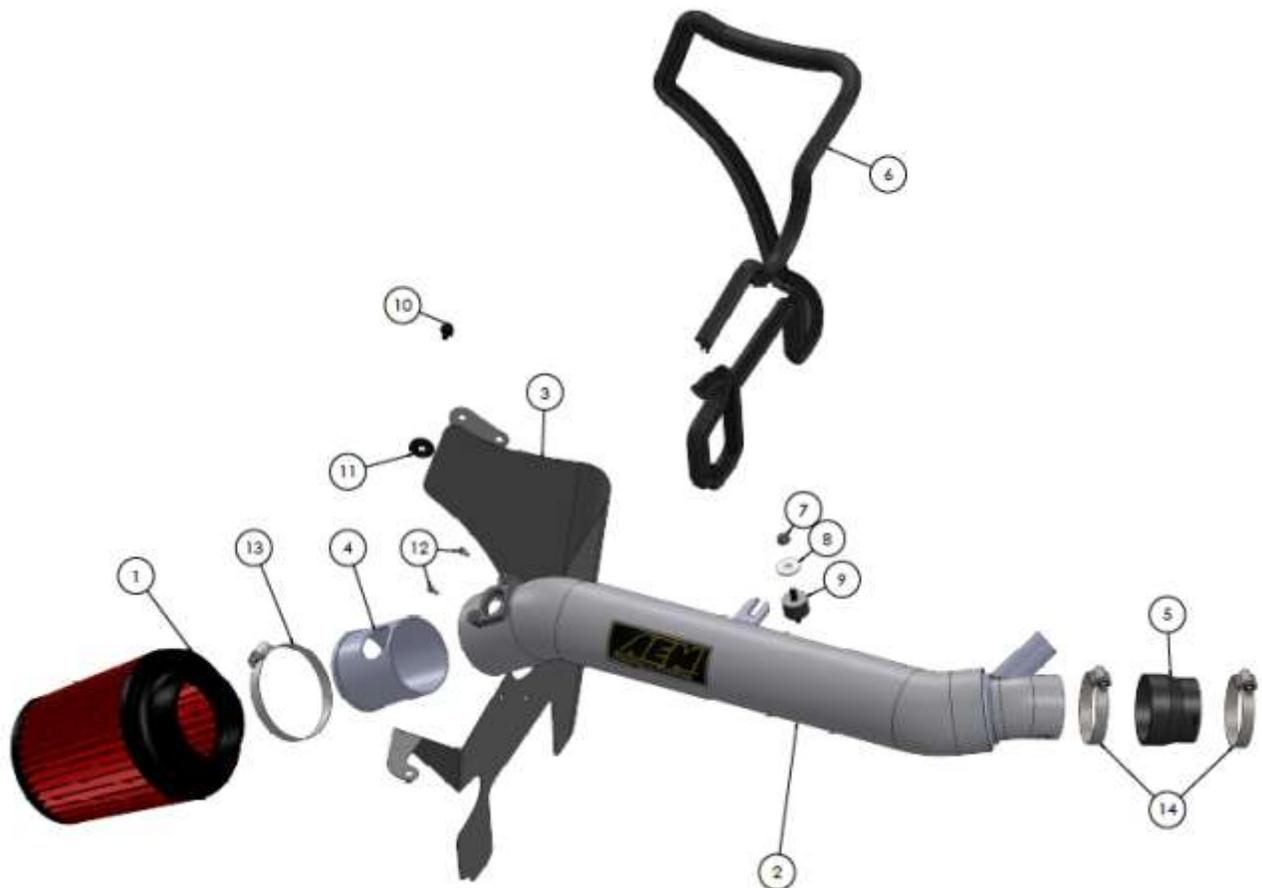
LEXUS

GS200T

2.0T

Not legal for sale or use on any pollution controlled motor vehicle in California or states adopting California emission procedures. See AEMIntakes.com for CARB status on each part for a specific vehicle.

| ITEM NO. | PART NUMBER | DESCRIPTION | QTY. |
|----------|-------------|--|------|
| 1 | 21-2113DK | AIR FILTER; 3.25" X 7" DRYFLOW | 1 |
| 2 | 2-1568C | INTAKE TUBE; 3.25" X 23"L, 21-791; GUNMETAL GRAY | 1 |
| 3 | 20-8601 | HEAT SHIELD, LEXUS GS200T, 2017, TB/PC | 1 |
| 4 | 9-0378 | VENTURI; 3.075"OD X 2.975"ID X 3.25"L, PLASTIC | 1 |
| 5 | 08476 | HOSE; 2-1/2" TO 2-1/4" ID X 2" L TPRD REINFORCED | 1 |
| 6 | 102472 | EDGE TRIM; 3/4" BULB, TOP LOC, 66"L | 1 |
| 7 | 444.460.04 | NUT; M6 HEX SERRATED | 1 |
| 8 | 08160 | WASHER; 1"D X 1/4 HOLE FENDER | 1 |
| 9 | 1228598 | MOUNT, RUBBER 5/8" X 6MM | 1 |
| 10 | 1-2110 | BOLT; HEX/FLANGE M6-1.0 X 12 | 1 |
| 11 | 21685 | WASHER; 1" X .300 X .100 RUBBER | 1 |
| 12 | 07733 | BOLT; M4 - 0.07 8MM, A/H CAP, SS | 2 |
| 13 | 9452 | 1/2" BNDHOSE CLAMP,2.90"-3.75" | 1 |
| 14 | 9436 | 1/2" BNDHOSE CLAMP,1.81"-2.75" | 2 |



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: | Optional: |
|---------------|---------------------|
| Screwdriver | Socket Extensions |
| 10mm Socket | |
| Ratchet | Small Torque Wrench |
| Pliers | |
| 3mm Hex Key | |

2. Removal of stock system



a. Carefully pull up on engine cover and remove it.



b. Remove the [4] retention clips by depressing the mandrel in the center. Then pull off the plastic shroud.



c. Unplug the Mass Air Flow (MAF) sensor harness and unclip it from the upper air box.



d. Remove the M6 bolt securing the factory intake tube.



e. Loosen the intake tube hose clamp and pull the PCV hose from the intake tube.



f. Undo the [4] airbox latches and remove the upper intake assembly.



g. Remove the [2] M6 bolts securing the lower airbox.



h. Flip the lower airbox around and unclip the MAF harness.



i. Remove the M6 bolt on the core support.



j. Remove the M6 bolt securing the ground cable bracket.



k. Remove the MAF sensor from the factory intake tube. Do not discard any factory components or hardware removed thus far.

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. Apply the supplied bulb seal trim to the heat shield as shown. Trim as necessary.



b. Insert the venturi into the intake tube. Be sure to align the pass-thru cutout in the venturi with the hole for the MAF sensor on the AEM intake tube.



c. Install the MAF sensor using the supplied M4 bolts.



d. Install the coupler with hose clamps onto the turbo inlet pipe. Make sure the smaller end of the coupler is fitted to the turbo inlet side. Tighten the hose clamp on the turbo inlet side at this time.



e. Install the rubber mount, washer, and nut onto the bracket as shown. Leave the nut loose.



f. Place the rubber washer as shown.



g. Place the heat shield into the engine bay. Make sure the cold air scoop is properly aligned in the heat shield cut-out. Then secure with the supplied M6 bolt and the [2] M6 bolts removed in steps 2i & 2j.



h. Clip the MAF harness to the heatshield in the locations shown.



i. Insert the AEM intake tube into the turbo inlet coupler. Leave the hose clamp loose. Connect the PCV hose to the port on the intake tube.



j. Align the mounting bracket to the rubber mount. Position the tube for best fit, then tighten the nut. Also, tighten, the hose clamp left loose in previous step.



k. Reconnect the MAF harness.



l. Install the AEM filter and tighten the hose clamp on the filter.



m. Reinstall the plastic shroud with the [4] retention clips. To reinstall the retention clips: Pull the mandrel from the main clip, insert the clip into its respective location, and reinsert the mandrel.



n. Reinstall the engine cover. Make sure the grommets are fully seated.



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[®] intake tube.

NOTE: DO NOT USE aluminum polish on powder coated AEM[®] intake tubes.

For technical inquiries
e-mail us at
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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