



Equipped with AEM® Dryflow™ Filter
No Oil Required!

INSTALLATION INSTRUCTIONS
PART NUMBER
21-791C (GUN METAL GRAY FINISH)

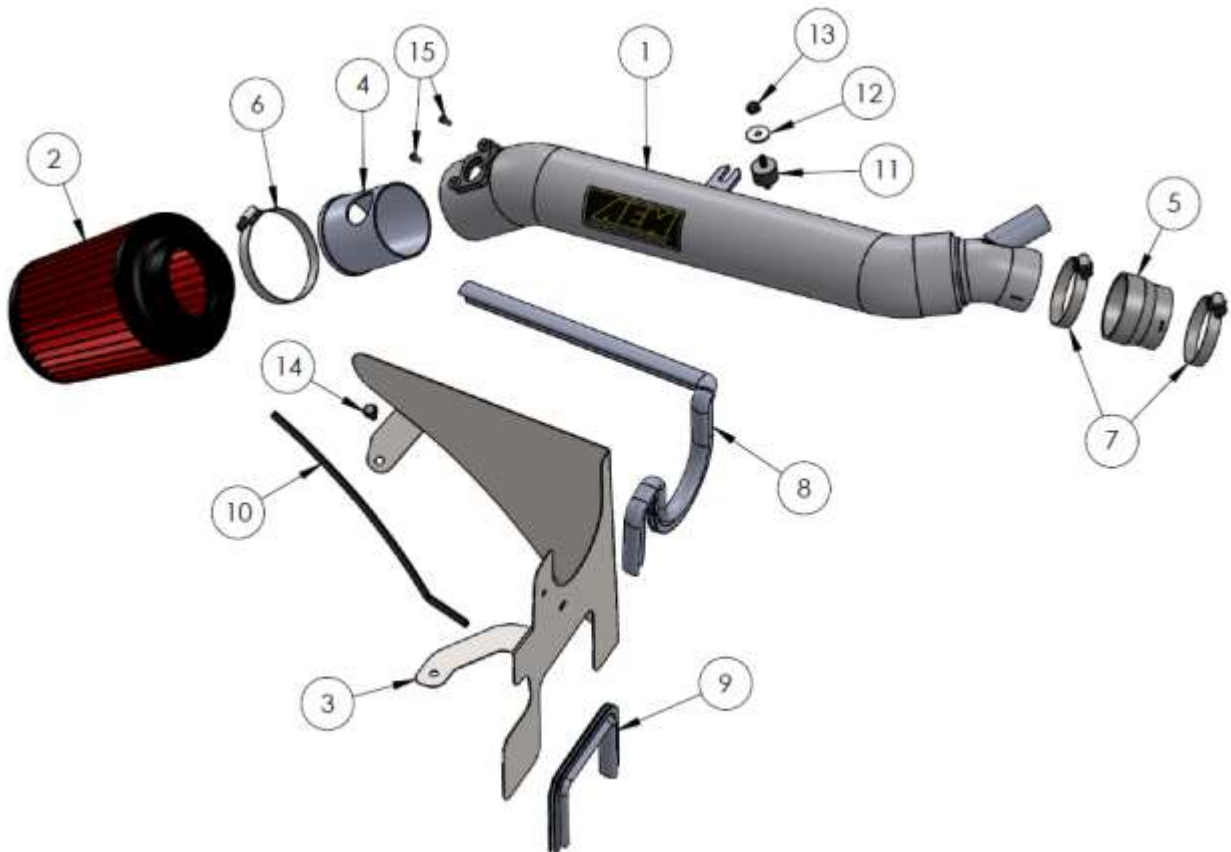
2016

LEXUS

IS200T

2.0T

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	2-1568C	INTAKE TUBE; 3.25" X 23"L, 21-791; GUNMETAL GRAY	1
2	21-2113DK	AIR FILTER; 3.25" X 7" DRYFLOW	1
3	20-8574	HEAT SHIELD, 21-791, 2016 LEXUS IS200T, 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	9452	1/2" BNDHOSE CLAMP,2.90"-3.75"	1
7	9436	1/2" BNDHOSE CLAMP,1.81"-2.75"	2
8	8-4030	EDGE TRIM, 30"	1
9	8-4012	EDGE TRIM, 12"	1
10	102466	EDGE TRIM; 1/16"GAP, 12"L	1
11	1228598	MOUNT, RUBBER 5/8" X 6MM	1
12	08160	WASHER; 1"D X 1/4 HOLE FENDER	1
13	444.460.04	NUT; M6 HEX SERRATED	1
14	1-2038	BOLT; HEX/FLANGE M6-1 X 20	1
15	07733	BOLT; M4 - 0.07 8MM, A/H CAP, SS	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.

Tools Needed:	Optional:
Screwdriver	Small Torque Wrench
10mm Socket	
8mm Socket	
Ratchet	
Pliers	

1. Preparing Vehicle

- Make sure vehicle is parked on level surface.
- Set the parking brake.
- If engine has run in the past two hours, let it cool down.
- Disconnect negative battery terminal.
- Do not discard stock components after removal of the factory system.
- Open the air intake kit package and make sure all parts are included.

2. Removal of stock system



a. Remove the 9 push clips that hold the radiator shroud in place.



b. Carefully pull up on the engine cover and remove it.



c. Use pliers to relieve tension on the hose clamp and then pull the breather hose off of the stock intake tube port.



d. Remove the M6 bolt holding the intake tube to the engine.



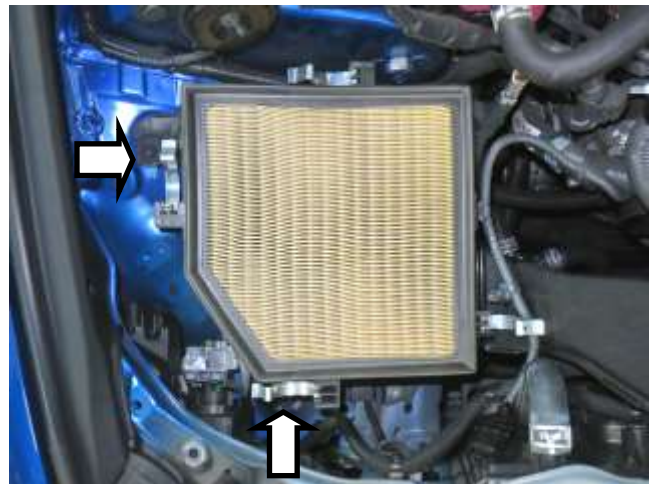
e. Use a 10mm socket and ratchet, or a Phillips head screwdriver, to loosen the hose clamp holding the intake tube to the air box. Then, pull the intake tube off of the air box.



f. Loosen the hose clamp holding the intake tube onto the turbo inlet pipe. Then, remove the intake tube.



g. Unplug the MAF (Mass Air Flow) sensor harness. Then, use pliers or a small flat head screwdriver to release the wire tie holding the harness to the upper air box. Then, undo the 4 clamps holding the air box together.



h. Remove the stock panel filter and the 2 M6 bolts holding the lower air box.



i. Flip the lower air box around. Remove the wire tie from the air box. Remove air box from vehicle.



j. Use a small Phillips head screwdriver to unfasten the 2 Phillips head screws and remove the MAF sensor from the upper air box. Do not discard any of the stock equipment 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. Insert the venturi into the AEM intake pipe. Make sure the cutout in the venturi aligns with the cutout in the intake pipe.



b. Attach the MAF sensor to the intake pipe using the 2 provided M4 bolts.



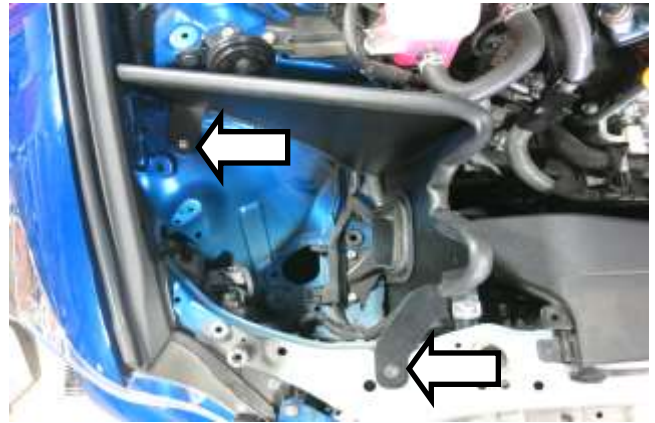
c. Attach the air filter, with the large hose clamp, to the intake pipe. Use an 8mm socket and ratchet, or a flat head screw driver, to tighten the hose clamp to 30 in-lbs.



d. Apply the supplied edge trim to the heat shield, as shown above.



e. Use a 10mm socket and ratchet to remove the M6 bolt, shown above.



f. Place the heat shield into the engine bay, as shown above. Fasten the heat shield to the wheel well with the supplied M6 bolt and to the core support with the M6 bolt you removed in the previous step.



g. Screw the supplied soft mount to the engine bracket.



h. Place the tapered, reinforced coupler onto the turbo inlet pipe. Make sure the smaller diameter end is on the turbo inlet side. Then, place the 2 small hose clamps onto the coupler. Leave the hose clamp on the intake pipe side loose. Tighten the hose clamp on the turbo inlet side to 30 in-lbs.



i. Insert the assembled AEM intake pipe into the turbo inlet pipe coupler. Make sure the mounting bracket on the intake pipe aligns with the soft mount.



j. Adjust the intake pipe for best fitment, making sure it isn't hitting any surrounding components. Then, fasten the mounting bracket to the soft mount with the supplied fender washer and M6 flanged nut.



l. Tighten the hose clamp, holding the intake pipe to the coupler, to 30 in-lbs.



m. Reattach the breather hose to the port on the intake pipe.



n. Clip the MAF harness onto the heat shield with the two wire ties. Then plug the harness back into the MAF sensor.



o. If there is too much tension on the MAF sensor harness, you can adjust the position of the wire ties. Use a small flat head screwdriver to relieve tension on the wire tie. Then, you can slide the wire tie along the harness as necessary.



p. Replace the engine cover.



q. Replace the radiator shroud with the 9 push clips you removed in step 2a.



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.