



Equipped with AEM® Dryflow™ Filter  
No Oil Required!

**INSTALLATION INSTRUCTIONS**  
**PART NUMBER**  
**21-803C (GUN METAL GRAY FINISH)**

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2016-17

CHEVY

MALIBU

2.0T

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	21-2113DK	AIR FILTER; 3.25" X 7" DRYFLOW	1
2	2-1586C	INTAKE TUBE; 3.25"OD X 11", 21-803 ; GUNMETAL GRAY	1
3	20-8585	HEAT SHIELD, 2016 CHEVROLET MALIBU 2.OT, TB/PC	1
4	5-1096	COUPLER; 3.125"ID X 2.375"ID, 64DEG, BLACK 80 SHORE; EPDM	1
5	102485	EDGE TRIM; 3/4" BULB, TOP LOC, 48"L	1
6	102494	EDGE TRIM; 3/4" BULB, TOP LOC, 20"L	1
7	102500	EDGE TRIM; 3/4" BULB, TOP LOC, 18"L	1
8	5-5006	HOSE; 1/2"ID X 6"L	1
9	82629	VENT; 1/2" BARB TO QUICK DISCONNECT	1
10	9456	1/2" BNDHOSE CLAMP,3.15"-4.00"	2
11	9440	HOSE CLAMP, 2.15-3.00"	1
12	8-186-1	MOUNT, PLASTIC AIRBOX, NYLON	1
13	22224	BOLT; M6X1.00X12 HEX; FLG, GRADE 10.9, GEO	1
14	08553	HOSE CLAMP; SPRING BAND 20MM X 12MM	1
15	1-2109	BOLT; SOCKET M4-0.7 X 10MM	2
16	08411	HOSE CLAMP #10 MINI	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.

## 2. Removal of stock system



- a. Disconnect Mass Air Flow (MAF) sensor plug and two wire harness clips from OE air box.



- b. Disconnect the PCV line from the OE intake hose by pushing release tab. **NOTE: 2017 model must use a 5/8" AC/fuel line disconnect tool as shown.**



- c. Loosen hose clamp on intake hose at the turbo side.



- d. Remove air box and intake hose from the engine by pulling up to release it from the rubber grommets. **NOTE: Do not discard your stock equipment**

<b>Tools Needed:</b>	5/8" AC/fuel line disconnect tool (for 2017 model)
Screwdrivers	T20 Torx Driver
8, 10, 13mm Socket	<b>Optional:</b>
Ratchet	Small Torque Wrench
12mm wrench	
Side Cutters	
Pliers	
3mm Hex Key	



e. Remove nut that secures the engine mount support bar. **NOTE: Nut will be reused to install heat shield. See step 3e.**



f. Remove MAF sensor from stock air box by removing the two torx screws . MAF sensor will be reused in step 3a.

### 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 MAF sensor into the AEM intake tube using the two supplied M4 socket bolts from the AEM kit.



- b. Install the provided PCV hose and connector to the intake tube by using the two hose clamps provided in the kit.



- c. Install edge trim and push-in stud with provided bolt on to AEM heat shield as shown. **NOTES: Edge trim may require trimming.**



- d. Install AEM intake tube coupler onto the turbo. **NOTE: DO NOT TIGHTEN HOSE CLAMPS UNTIL THE INTAKE SYSTEM FITMENT IS COMPLETED. See step 3h.**



e. Install the heat shield by making sure push-in stud has been inserted in the rubber mount and reinstall the nut from the engine mount support bar.



f. Install intake tube into the heat shield as shown.



g. Rotate tube, positioning the MAF sensor on the outside of the heat shield, and insert into coupler.



h. Install AEM DryFlow air filter with provided hose clamp. Position tube for best fit and tighten all hose clamps at this time.



i. Connect MAF sensor and install wire clips to the heat shield. NOTE: Clips to MAF wire harness may need adjusting.



j. Connect PCV line to fitting on the intake tube. Be sure connection snaps together while installing.



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 ensured 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.**