

ROTO-FAB



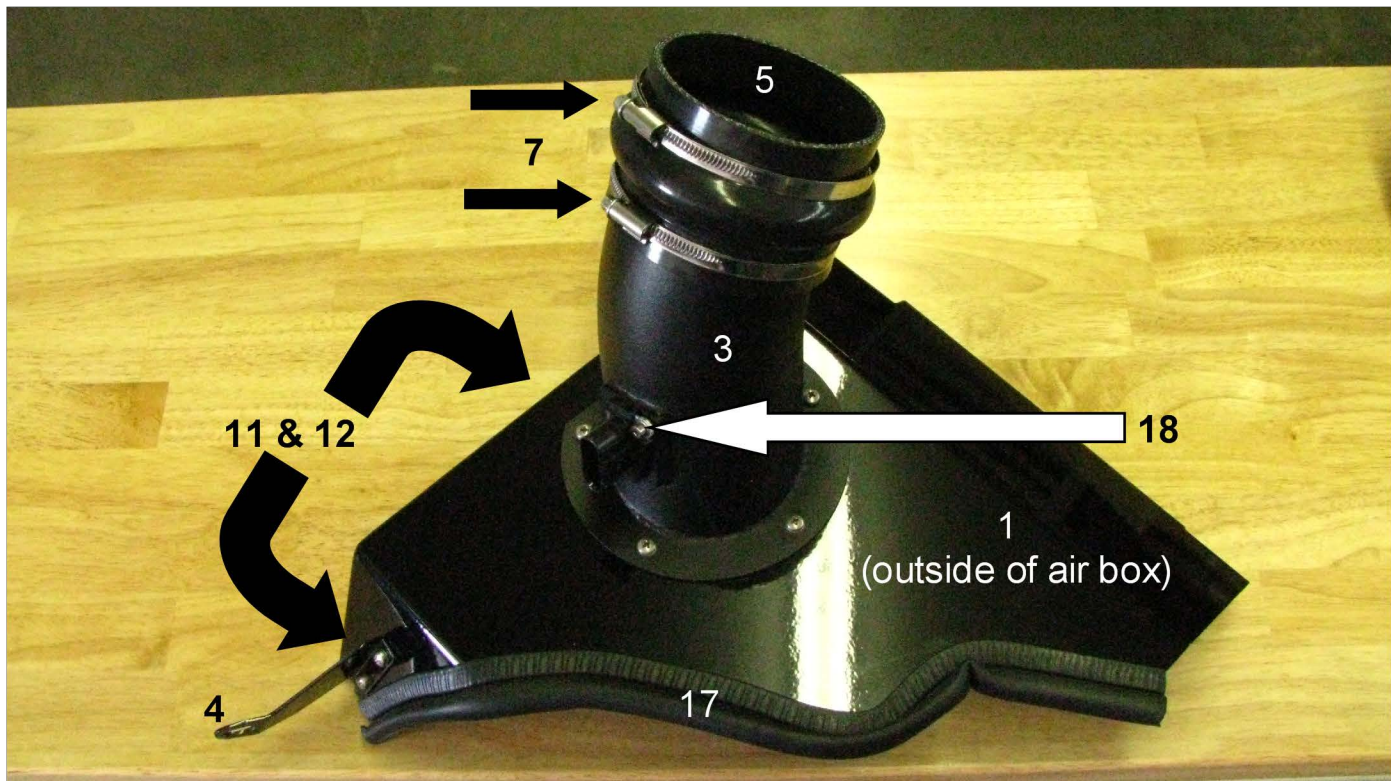
1967-1969 CAMARO COLD AIR INTAKE SYSTEM

1) Air box wall	1	11) 10-32 x 1/2" screw	7
2) Air box lid assembly	1	12) 10-32 lock nut	7
3) Air box adapter tube	1	13) 1/4" NPTx3/8" hose 90	1
4) Air box bracket	1	14) 4" OD inlet elbow	1
5) 4" hump hose	1	15) 3/8" ID breather hose	1
6) 4" straight hose coupler	1	16) Air filter	1
7) Hose clamps	4	17) Air box seal	1
8) 5/16 x 18 hex bolt	3	18) 4mm philips screw *	2
9) 5/16 x 18 hex nut	3	*used with 10161038 only	
10) 5/16" x 18 washer	5		

Tools needed

1/2" socket and driver
7mm socket
8mm socket
3/8" wrench

1/2" wrench
philips screwdriver
3mm allen wrench



Preassembly-note some pre-assembly may already be completed. Locate the #1 air box wall, the #4 air box bracket and 2 each of the #11 and #12 philips screws and nylock nuts. Orient the #4 bracket on the *outside* of the air box as shown, notice the slotted end has a small bend upward and the flange with the 2 bolt holes is facing downward. Align the 2 bracket holes with the two holes in the air box and insert the #11 screws from the outside as shown. Install two of the #12 nuts on the back side and tighten.

Locate the #3 air box adapter tube and the remaining five #11 and #12 philips screws and nuts. From the outside of the air box, insert the adapter tube into the air box as shown. The flat portion of the adapter flange should be approximately parallel to the top surface of the air box. Insert five # 11 screws from the outside as shown. Start all five #12 nylock nuts on the inside, then tighten all of them. For part # 10161038, install your MAF sensor into the MAF block using the supplied #18 4 mm screws. Tighten securely.

Locate the #5 hump hose coupler and two of the #7 hose clamps. Slide one hose clamp over the end of the hump hose with the clamp hex head clocked as shown. Slide the hump hose and 1 clamp onto the end of the #3 air box adapter. It should engage about 1" or just enough to cover the weld on the tube.

Locate the #17 air box seal. Starting from the edge of the air box below the # 4 bracket, engage the seal on the metal edge. Fully engage the seal as shown.

Locate the # 13 small 90 degree fitting and the #14 inlet elbow. Thread the fitting in the 1/4" NPT bung on the inlet elbow one turn beyond finger tight stopping when the fitting is clocked pointed straight back as shown. This fitting has tapered pipe threads so it will seal without thread sealer and is not designed to be bottomed out.

On the car, remove the stock angled brace on the left (driver) side. This will be re-installed later.

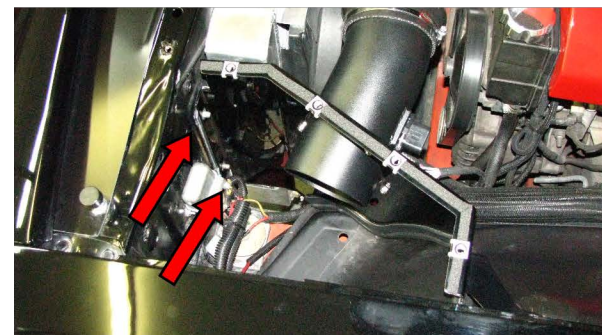
Locate one of the # 8 5/16"x 18 hex bolts. This bolt will replace the inner fender bolt pointed out with the red arrow and act as a stud for the air box bracket. Working from over top of the tire inside the fenderwell, remove the stock inner fender bolt and replace it with the supplied bolt. Note this is easier to access if you turn the wheel.

The air box is designed to use existing holes in the core support for the front two mounting points. If your radiator has a thin mounting flange using these holes, you will need to remove one bolt at a time, replacing them with the #8 hex bolts equipped with a #10 flat washer. The bolts should insert from the front so the threads are facing inward towards the motor. The air box assembly can now be dropped in position engaging the two front bolts with the rear bracket engaging the rear bolt. Install the 3 nuts and washers on the three mounting points and tighten.

Locate the #6 straight 4" coupler and the two remaining #7 hose clamps. Fully engage the throttle body with the coupler and locate the clamps as shown. The throttle body clamp can be tightened at this time. Do not overtighten.

Install the #14 inlet elbow by first inserting into the hump hose, then engaging the coupler at the throttle body. After achieving optimum alignment, tighten the hose clamps being careful not to overtighten.

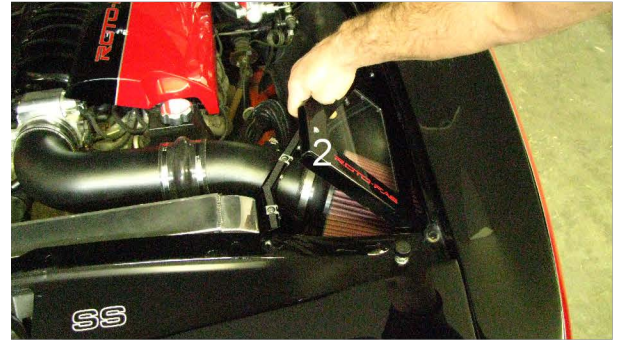
The supplied #15 breather hose will route from the small 90 degree fitting previously installed on the inlet elbow to the chrome barbed 3/8" breather nipple on the right (passenger side) valve cover just above the oil cap. The picture shown is for reference only. This is the stock breather line on a newer Camaro. Your breather tube will most likely route under the throttle body, depending on your front accessory drive configuration. Be sure there are no kinks or collapsed areas after routing is complete.



Locate the #16 air filter and clamp. Insert the filter into the air box as shown. After the filter is dropped down into the air box, raise it up to engage the air box adapter tube. With the filter fully engaged on the tube, tighten the filter clamp.



Locate the #2 air box lid assembly. Angle the lid so the water deflector portion goes completely *under* the lip of the fender. Next, align the 1/2 turn fasteners with the inserts on the air box. With all four fasteners aligned, use a philips screwdriver to engage all four fasteners.



Install the stock stiffener brace which was previously removed. Double check to be sure the MAF sensor is plugged in, the breather hose is properly connected and the hose clamps are tight. Your installation is now complete!

Important As with any air intake installation, you should have a qualified technician review the tune on your vehicle to be sure the air intake system and your calibration are within safe working parameters for your engine. Failure to do so could result in engine damage.

