

## **2010-15 CAMARO V6 COLD AIR INTAKE SYSTEM INSTALLATION GUIDE**

(MAF sensor varies in appearance for 2012-15 models)

### **Tools/ items needed**

- Ratchet
- 10 MM deep socket
- 8 MM socket
- 7 MM socket
- Phillips screwdriver

# Camaro V6 CAI System Parts List



	Qty
1) Air box wall	1
2) Air filter	1
3) Inlet elbow	1
4) MAF sensor housing	1
5) 3 1/2" hump hose	1
6) 3 1/2" x 3" transition hose	1
7) 3 3/4" hose clamps	3
8) 3 1/4" hose clamp	1
9) 10-32 phillips screws	5
10) Edge seal, 11 7/8" long	1
11) Edge seal, 24 1/2" long	1
12) M6 flange nut	1
13) Stud (installed on air box)	1
14) Foam seal (installed on air box)	1
15) 1/2" ID silicone hose, 3 3/4" long	1
16) 1/2" ID silicone hose, 1 1/2" long	1
17) M4 phillips screws	2

*Your components may vary in appearance and/or color depending upon the options you have chosen*

**Engine Cover Removal-** Remove the oil cap. Remove the engine cover by lifting on the front and pulling towards yourself. Re-install oil cap.

**Stock air intake removal-**

1) Disconnect and remove the small 90 degree rubber breather hose. (see ill. 1)

2) Disconnect the MAF sensor connector by pulling out on the yellow retainer and then pushing down on the center of the connector. Pull straight outward.

3) Using a 10mm socket, remove the 2 nuts securing the air box. Using an 8mm socket, loosen the hose clamp retaining the air tube to the throttle body. (see ill. 2)

4) Pull the inlet tube free from the throttle body. Using both hands on the air box pull straight upward to remove air box assembly. (see ill. 3)

5) Using a 7 mm socket remove the 2 screws retaining the MAF sensor. (see ill 4) Remove the sensor by pulling straight outward. **The stock MAF screws are not re-used. Reinstall in stock location for future use.**

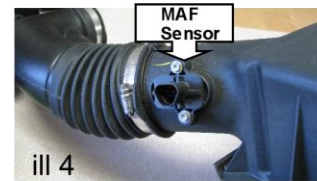
**Air intake system pre-assembly-**

1) Locate the #1 air box wall, the #4 MAF sensor housing and the #9 10-32 phillips screws (qty 5). Insert the MAF housing through the back of the air box clocking it as shown. (see ill. 5) Start all screws 1-2 turns. Working back and forth, tighten all screws. The screw in line with the MAF sensor mounting block should be the first to be seated. Make sure all 5 screws are tight.

2) Insert your stock MAF sensor into the MAF housing. Gently rock back and forth while applying pressure to seat O-ring. **IMPORTANT-** notice the sensor will only align in one direction. Locate the #17 phillips screws (qty 2). Install and tighten to secure the MAF sensor. **DO NOT OVERTIGHTEN!**

3) Locate the #10 edge seal. It's the shorter piece with the 45 degree cut on one end. Place it over the edge of the air box wall as shown with the angle cut towards the bottom. Push firmly to seat the seal. (see ill. 6)

4) Locate the #5 3 1/2" hump hose and 1 of the #7 hose clamps. Slide the clamp onto the MAF sensor housing. Then install the hump hose onto the MAF sensor housing. Tighten as shown. (see ill. 7) **DO NOT OVERTIGHTEN!**





## Installation-

- 1) Locate the #16 silicone hose with the slit. Install it on the A/C line as shown. (see ill 8)
- 2) Drop the air box assembly into position as shown. (see ill. 9) **Make sure the lower stud engages the grommet** and the upper slot goes over the stud simultaneously. Push firmly on top of air box to ensure the stud completely seats in the grommet. **IMPORTANT- Make sure the outer ear of the plastic A/C line clip on the frame rail near the lower stud isn't under the air box.** (see ill 10)
- 3) To secure the air box locate and install the #12 M6 flange nut onto the air box stud using a 10mm deep socket.
- 4) Locate a #7 hose clamp. Slide it over the hump hose as shown. (see ill. 11)
- 5) Locate #6 transition hose and #8 smaller hose clamp. Engage the small end of the transition hose onto the throttle body with the hose clamp located as shown. (see ill 11) Using a 7mm socket tighten hose clamp to throttle body at this time. **DO NOT OVERTIGHTEN!**
- 6) Locate #7 hose clamp and #3 inlet elbow. Slide the hose clamp over the throttle body end of the inlet elbow. This is the end opposite of the small nipple. Next insert the #3 inlet elbow into the hump hose on the MAF sensor housing.(see ill. 12) On the throttle body end-engage the #3 elbow into the transition hose. Make sure the elbow is seated on both ends and properly aligned. Tighten the hose clamps on both ends of the elbow. **DO NOT OVERTIGHTEN!** Double check all hose clamps for tightness.
- 7) Locate the #15 silicone hose. Engage it onto the nipple end of the #3 inlet elbow. Engage opposite end to stock breather tube as shown. (see ill. 13) Make sure the hose is fully seated on both ends.
- 8) With the MAF sensor harness running under the MAF housing- insert the connector into the MAF sensor. Push until you hear it click into position. Finally push the yellow connector lock inward. Gently pull on the connector to make sure it is fastened properly.
- 9) Unpack the #2 air filter. Install the filter with the hose clamp position as shown. (see ill. 14) Engage filter over barb of the MAF sensor housing. Tighten hose clamp--**DO NOT OVERTIGHTEN.**
- 10) Locate the #11 edge seal. Starting at the front of the air box engage the seal to the top of the air box.
- 11) Remove oil cap. Re-install engine cover. Re-install oil cap.

**Congratulations! You have completed your installation!**

