

COLD AIR



INDUCTIONS

**Installation Instructions
Camaro ZL1
(501-1099-10-Z) (501-1099-10-ZB)**



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****This Product is NOT C.A.R.B. Compliant****



Parts List

1	Insulated Air Box \ Lid
1	Thermal Coated Intake Tube / MAF Housing with (2) M4 x .7 thread 8mm long Stainless Screws;
1	High Performance Air Filter (CF-8500)
1	Silicone Elbow with 2 Stainless Hose Clamps

Tools Required

10mm Deep-well Socket & Ratchet
7mm Socket & Ratchet
Flathead Screw Driver
1/8 Allen Wrench
3/32 Allen Wrench
2.5 mm Allen Wrench

Technical support regarding your CAI and its' installation is available M-F from 8-4:30 EST by calling us at 810-392-9999

1. Disconnect negative battery cable. (This allows your PCM to recognize the CAI and adjust to the new fuel trims quicker, as well as reduces risk of injury and/or damage for both you and your vehicle)

Figure 1



Figure 2



Figure 3

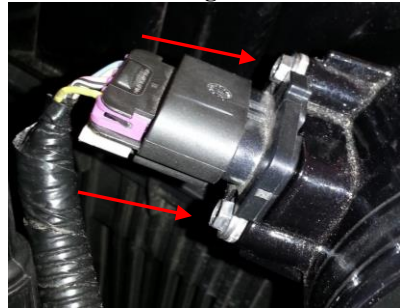


Figure 4



2. Pull the top of the crankcase breather hose off by using the quick release on the upper portion and pulling it straight up. (See figure 1).
3. Using a screwdriver loosen the 2 hose clamps that secure the intake tube to the throttle body and air box and remove air intake tube. You can now remove the remaining piece of the crankcase from the intake tube by removing the clamp holding it and pulling it out (See figure 2 once complete). The Crankcase ventilator is made of plastic and is very fragile, be sure to use care when disassembling and removing it so that it does not break.
4. Using a 7mm socket, remove the 2 MAF screws (see figure 3) and remove the MAF sensor by pulling it straight out (see figure 4)

5. Remove OEM air box assembly in 3 easy steps:
 - A. Using a deep-well 10mm socket, remove nut holding rear of box (see figure 5)
 - B. Remove plastic retainer holding ground cable by pulling it up (see figure 5 & 6) Use the 10mm socket to remove nut underneath
 - C. Pull out entire air box by pulling it up and carefully maneuvering box out of engine bay.

Figure 5



Figure 6



Figure 7

6. Reinstall breather hose into provided silicone elbow (see figure 7)
7. Note that the inside of the elbow that goes onto the Throttle Body has a flanged end (see figure 8) Install elbow on Throttle Body (see figure 9 below)



Figure 8

Figure 9



8. Insert the MAF Housing / Intake tube into the silicone elbow. Proper orientation should place the MAF sensor straight up (see figure 10)

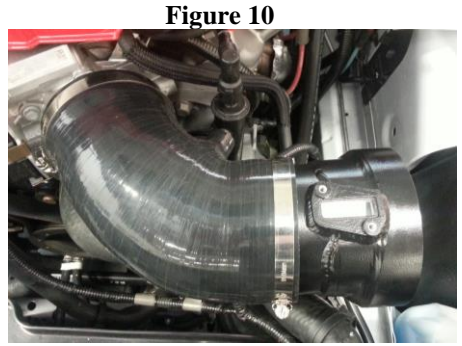


Figure 10

9. Install CAI Airbox

A. Ensure that ground wire is positioned through the allotted groove on the airbox (see figure 11)

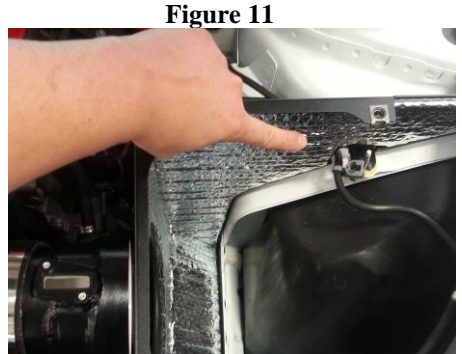


Figure 11

B. The driver's side tip of the airbox has a lip which fits under the upper groove of the inner fender and allows the 2 windshield washer lines to travel through (see figure 12)



Figure 12

C. Install nut onto threaded stud that the airbox is attached to, do not over tighten yet. **Keeping the airbox loose will allow you to move it while attaching the lid, which may be necessary to get the lid properly seated onto the airbox.**

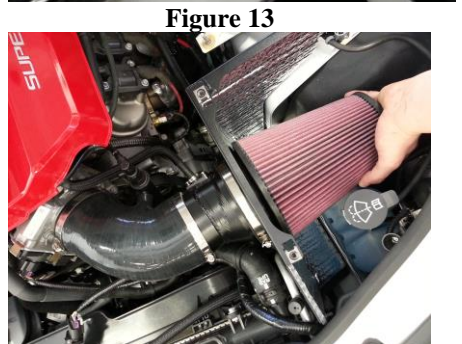


Figure 13

11. Insert supplied air filter into airbox and carefully push it onto the Intake Tube / MAF Housing until it stops. Ensure that filter is all the way on 360 degrees. (see figure 13) tighten down filter so that it stays on the intake tube, do not over tighten.

12. Position lid onto Airbox.

Note that the lid fits in between the groove on the inner fender well on the driver's side edge (see figure 14)

Note that the front edge of the lid should fit flush with or below the rubber trim on the front contour of the engine bay, not on top or above it (see red arrows in figure 15) **Note** the red circle in figure 15, if the rubber hood trim is pushed up onto or past the groove on the inner fender well that the lid is positioned into it can stop the lid from fitting correctly and lying flat on the box, if the rubber trim is past the point in the photo you can shift it down by pulling it off and reattaching it correctly.

13. Once the lid has been correctly positioned, ensure that all 3 fasteners are aligned with the retainer clips on the airbox. At this time you can lock the fasteners into place with a $\frac{1}{4}$ clockwise turn using a $\frac{1}{8}$ " allen wrench. (see figure 16)

14. Once the lid has been locked into place, you can remove it and tighten down the nut holding the airbox. Once tight, slide the plastic retainer which holds the ground wire over the stud, and push it all the way down (see figure 17)

Figure 14



Figure 15

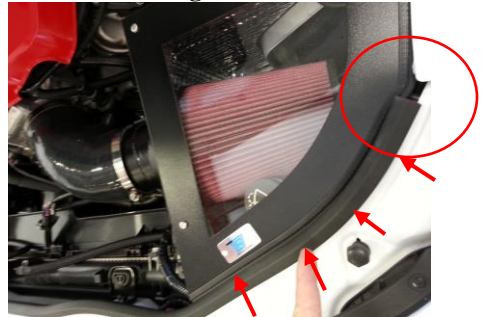


Figure 16



Figure 17



15. Re-attach lid using same method from step 13.

16. Insert MAF sensor into the Intake Tube / MAF Housing. The MAF housing wire harness should travel below the intake tube and above the large radiator hose. Once inserted tighten down the MAF using the 2 screws that were pre-installed into your CAI Intake Tube / MAF Housing with a 2.5 mm allen (see figure 18)

Figure 18



Figure 19



17. Go over all connections and hose clamps and tighten everything down. There is no need to over tighten, just ensure that connections are tight enough to where they cannot be moved or rotated by hand.

Figure 20



Figure 21

18. Reconnect breather assembly which was previously disassembled. It will “click” into place. (see figure 19)

19. Re-connect negative battery terminal. Your installation is now complete! See figure 20 & 21



****IMPORTANT****

Periodically check and re-tighten connections as needed, over time it is possible for them to loosen*

Warranty Registration Instructions

This product comes with a Limited Lifetime Warranty and must be registered online for your warranty to be activated.

To register your product:

1. Go to: www.ColdAirInductions.com/contact-us/register
2. Fill out our Registration form
3. Click Submit

Warranty details can be found under the FAQ section on our website