

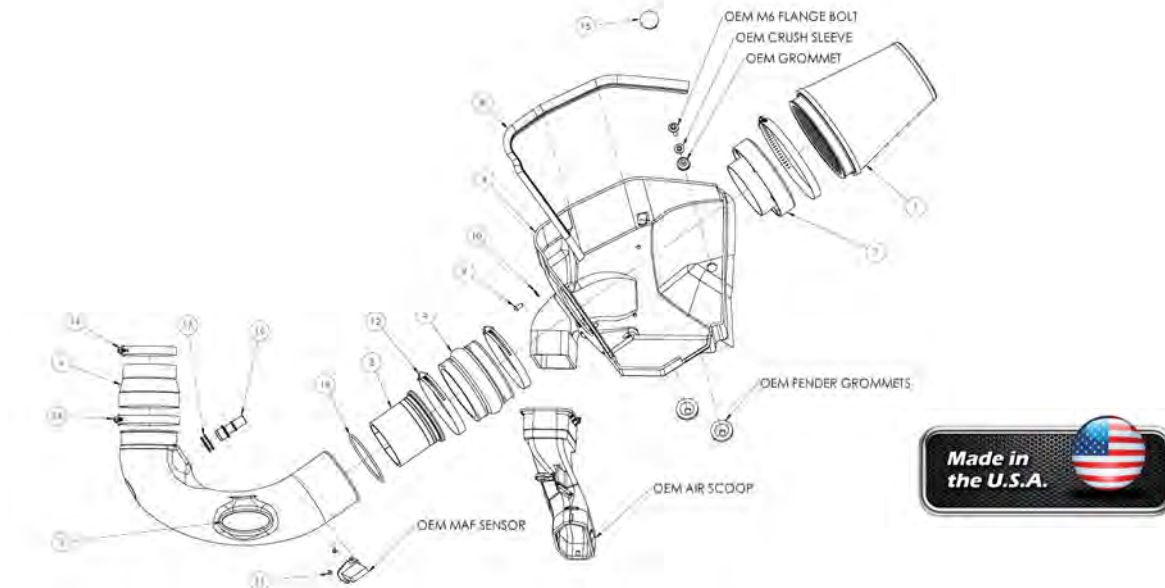


## INTAKE SYSTEMS

### Installation Instructions Part Number 451-174 2012-13 Boss 302 Mustang

#### Packing List:

701-461	Airaid Premium Filter	1
KIT174T	Airaid Intake Tube	1
KIT264I	Modular Venturi Tube (MVT)	1
KIT238CADS	Cool Air Box	1
KITHUMPHS05	Urethane Hump Hose	1
KITRDCR18	Silicone Reducer	1
KIT1121MAFADA	Filter Adapter	1
KITWSTRIP03	Weather strip 25"	1
KIT453174HPS	Hardware and Instructions	1
-KIT15DHC3050	1/4-20 Button Head Bolt	x3
-KIT09FWZ019	1/4" Flat Washer	x3
-KIT15BHC3038	8-32x3/8" Button Head Screw	x2
-KITHS72	#72 Hose Clamp	x2
-KITHS64	#64 Hose Clamp	x1
-KITHS56	#56 Hose Clamp	x1
-KITPLUG01	Firewall Plug*	x1
-KITFITTING15	5/8 Aluminum Fitting	x1
-KITGRMT10	5/8 Grommet	x1
-KIT174OR	174 O Ring	x1
-KITBIT01	#20 Torx Bit	x1



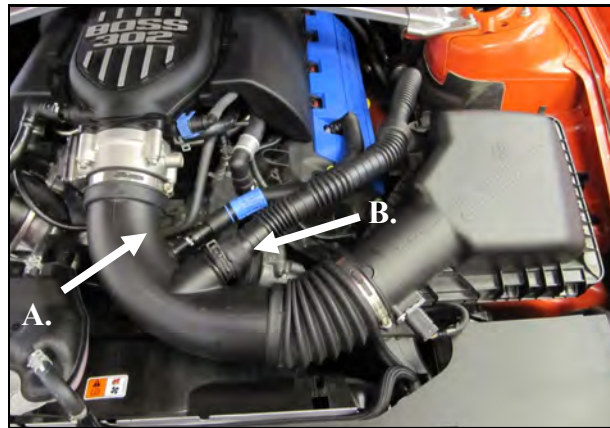
#### Tools Required For Installation:

5/32", 9/32" Allen Wrenches  
5/16", 10 mm Sockets  
Ratchet & Extension, Pliers, and  
Standard and Phillips Head Screwdrivers

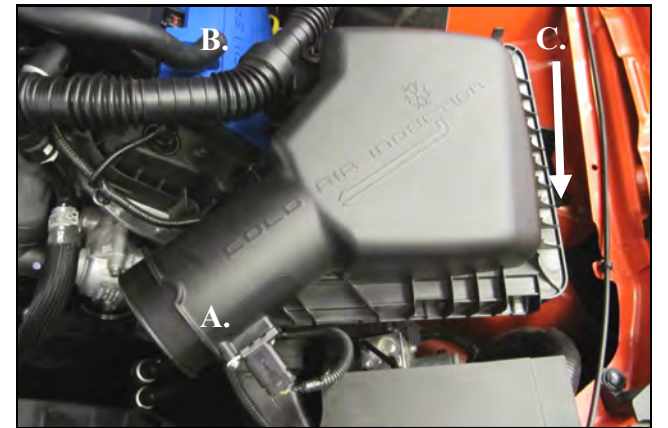


#### Disconnect The Negative Battery Terminal!

1. Make sure the ignition switch is turned off and the parking brake has been set.



2. A) Loosen the hose clamps on the factory intake tube  
B) Squeeze the clamp and disconnect the resonator from the air intake tube. C) Carefully depress the hose lock tab and disconnect the crank case breather line. D) Remove the factory intake tube.



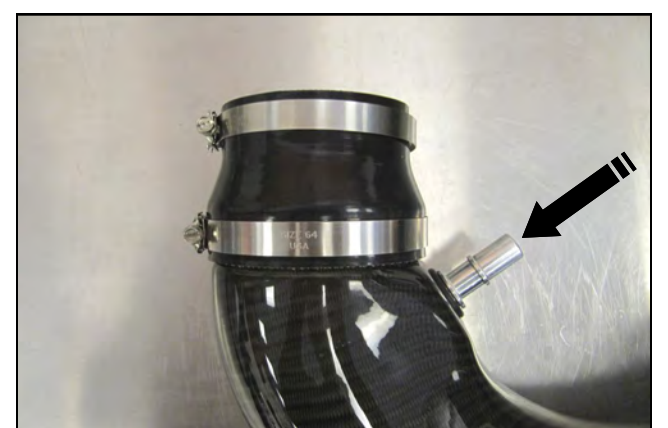
3. A) Slide the red tab out of the connector and disconnect the Mass Air Flow sensor. Carefully pry the harness anchor from the air box using a standard screwdriver. B) Separate the resonator tube from the stand off attached to the Air box lid. C) Using a 10mm socket, remove the bolt securing the air box to the inner fender and remove the air box assembly. This bolt will be reused in step 12.



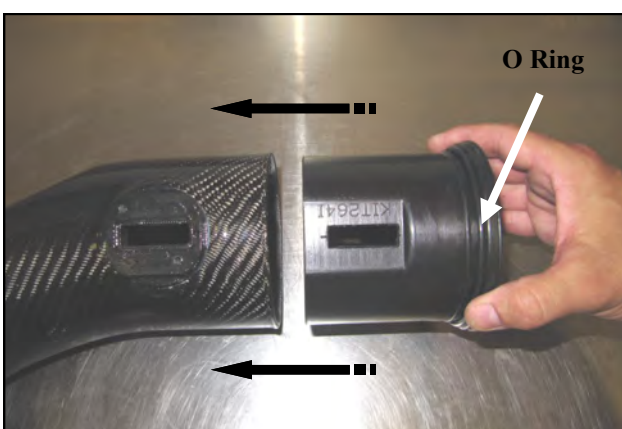
4. Unbolt the Intake resonator from the inner fender and disconnect it at the drivers side firewall. Remove the entire assembly from the vehicle and set it aside. It will not be reused.



5. Plug the resonator hole in the firewall with the Firewall Plug (#15).



6. A.) Install the Silicone Reducer (#6) and Hose clamps onto the Airaid Intake Tube (#2). Place the #56 clamp (#14) on the Throttle body side of the reducer, and the #64 clamp (#13) on to the tube side. B.) Insert the 5/8" Grommet (#17) into the Intake tube as shown. Complete the tube assembly by inserting the 5/8 Aluminum Fitting (#16) into the Grommet.



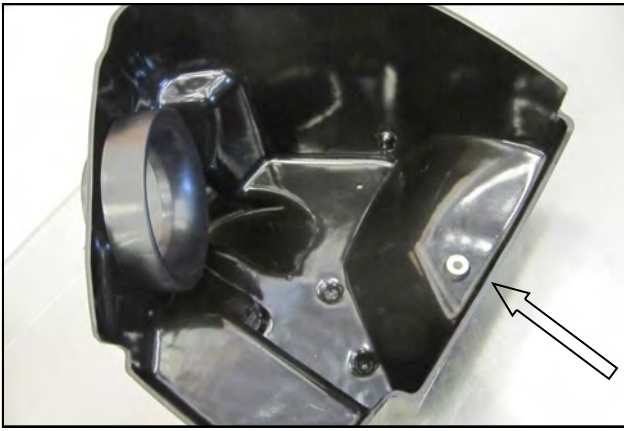
7. Slide the Modular Venturi Tube (#3) into the Airaid Intake tube (#2). Make sure to align the two slots for the Mass Air Flow sensor and that the O Ring (#18) is in Place.



8. Install the Mass Air Flow sensor into the intake tube using two provided 8-32x3/8" screws (#11).



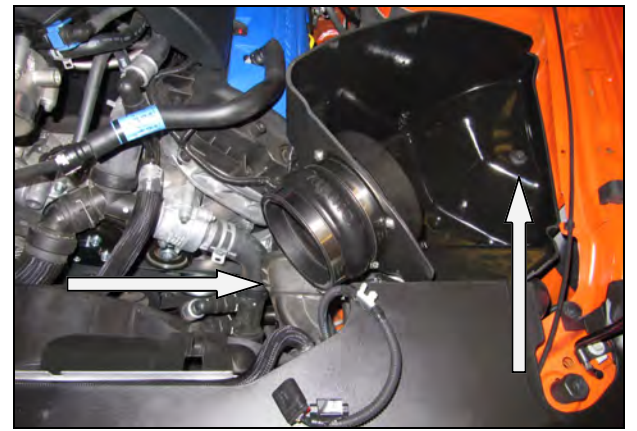
9. Install the Filter Adapter (#7) onto the Airaid Cool Air Box or (CAB) (#4) as shown. Use the three 1/4-20 button head bolts (#9), and flat washers (#10) to secure the Adapter.



10. Remove the factory upper air box mounting grommet and steel sleeve, and re-install into the Airaid CAD.



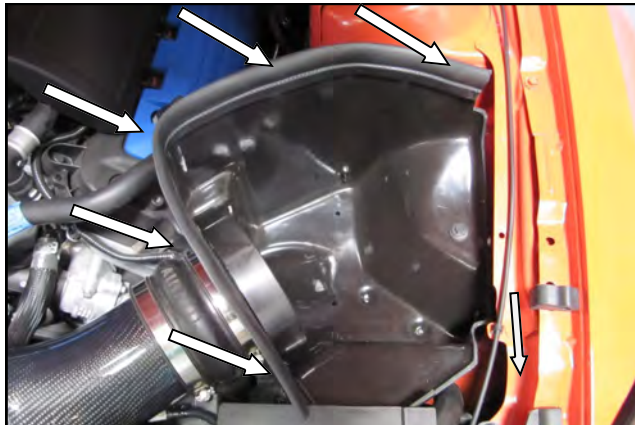
11. Install the hump hose (#5) and two #72 hose clamps (#12) onto the filter adapter as shown. Leave the two hose clamps loose for now.



12. Install the CAD into the vehicle. Make sure that the air inlet of the CAD aligns with the factory duct, and the two locating pins on the bottom are seated in the factory grommets. Next reinstall the factory bolt that was removed in step #3 thru the steel sleeve and grommet and into the inner fender.



13. Install the Airaid Intake tube onto the throttlebody first then into the Hump Hose and tighten the clamps. Reconnect the crank case breather line to the Aluminum fitting on the Intake Tube.



14. Install the Weather Strip (#8) onto the CAD with the contoured edge rolling away from the filter area. Start at the front of the vehicle and work your way back



15. Install the Airaid Premium Filter (#1) onto the filter adapter and tighten the hose clamp.



16. Reconnect the Mass Air Flow sensor, which is now located in the lower back side of the intake. Slide the locking tab back into the connector.

**17. Double check your work!**

Make sure there is no foreign material in the intake path. Make sure all clamps, hoses, bolts, and screws are tight. Double check the hood clearance!

**Reconnect the negative battery cable!**



**Before!**



**After!**

**SynthaMax**

**Do Not Oil**

Synthamax Air Filters do not require oil. Service air filter as needed by cleaning with common non-petroleum all-purpose household cleaner and water. Simple Green®, Formula 409® or equivalent works great. Apply cleaner to outside of air filter and allow to soak. Then flush filter clean from the inside out with a garden hose and repeat steps if necessary. Do not apply high pressure water or air to clean filter. Allow filter to air dry and reinstall.

Thank you for purchasing the Airaid Intake System. Contact Airaid @ (800) 498-6951 8:00 AM - 5:00 PM MST weekdays for questions regarding fit or instructions that are not clear to you. Your Airaid Intake System was carefully inspected and packaged. Check that no parts are missing, or were damaged during shipping. If any parts are missing, contact Airaid. The air filter element is protected from direct exposure to water and debris; care should be taken not to drive through deep water. WATER INGESTION IS THE DRIVERS RESPONSIBILITY!