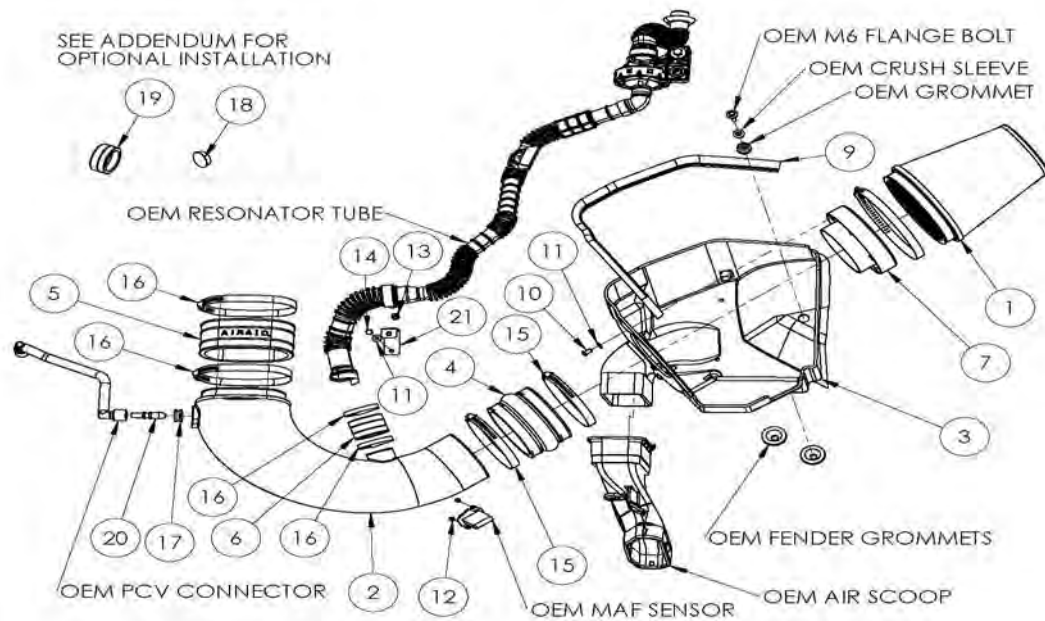




## INTAKE SYSTEMS



## Installation Instructions Part Number 450-309 2010 Ford Mustang GT 4.6L V-8

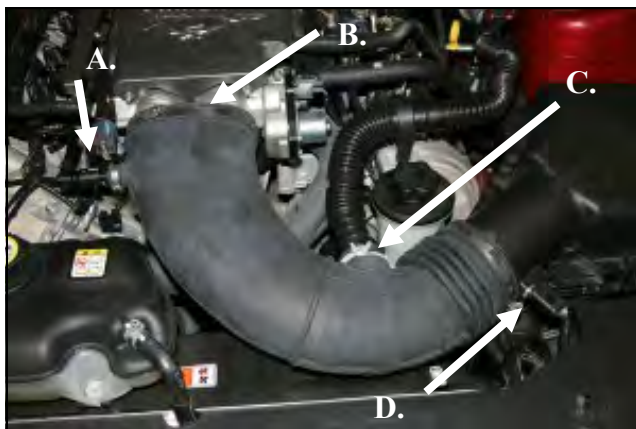
### Packing List:

#1	700-461	Airaid Premium Filter	1
#2	KIT238T	Airaid Intake Tube	1
#3	KIT238CAD	Cool Air Box	1
#4	KITHUMPHS05	Urethane Hump Hose	1
#5	KITCOUPLER07	Urethane Oval Coupler	1
#6	KITCOUPLER19	Urethane 1 3/4" Coupler	1
#7	KIT1121MAFADA	Filter Adapter	1
#8	KITHOSE06	3/8" x 12" Hose	1
#9	KITWSTRIP03	Weather Strip 25"	1
<b>KIT309HP Hardware and Instructions</b>			
#10	KIT15DHC3050	1/4-20 x 1/2" Button Head Cap Screw	x3
#11	KIT09FWZ019	1/4" Flat Washer	x4
#12	KIT15BHC3038	8-32 x 3/8" Button Head Cap Screw	x2
#13	KIT25C87HCSS	1/4-20 X 0.875 Hex Bolt	x1
#14	KIT60C120HCS	M6x1.0x12 Hex Bolt	x1
#15	KITHS72	#72 Hose Clamp	x4
#16	KITCLAMP60SS	60mm Hose Clamp	x2
#17	KITGRMT03	GROMMET	x1
#18	KITPLUG01	Firewall Plug	x1
#19	KITCAP01	Urethane Cap*	x1
#20	KITFITTING05	PCV Connector Fitting	x1
#21	KIT238B	Resonator Tube Bracket	x1
#22	KITBIT01	#20 Torx Driver	x1

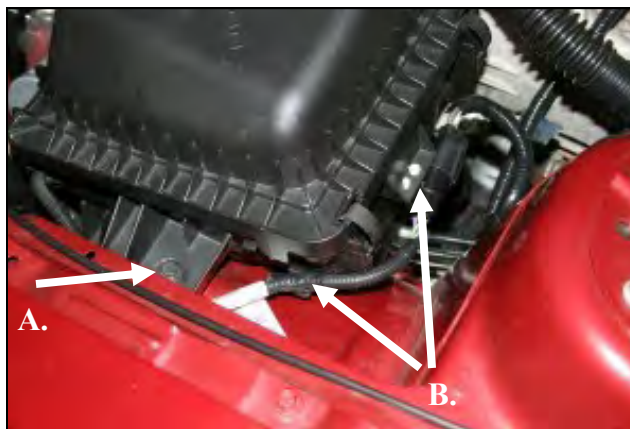
**INSTALL NOTE:** If you are installing this kit on a vehicle equipped with a Power Dome Hood with Heat Extractors we suggest the use of our optional AIRAID pre-filter (Part #799-469) to give an added layer of protection from the elements.

### TUNE REQUIRED !

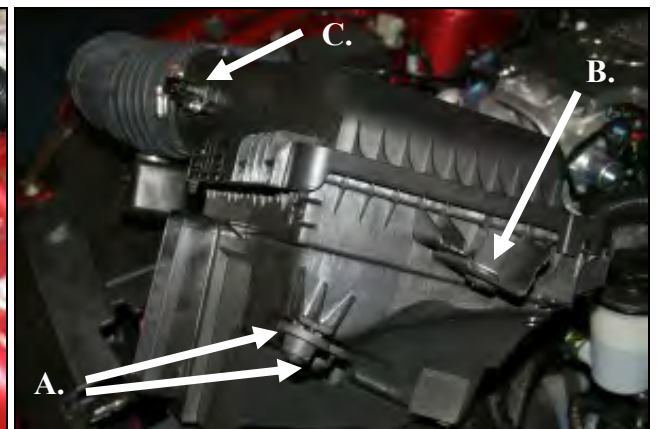
This intake system is not calibrated to any ECU and requires custom, vehicle specific tuning for proper drivability and to prevent costly engine damage. Installing off the shelf, plug in type programmers does not constitute Custom Tuning.



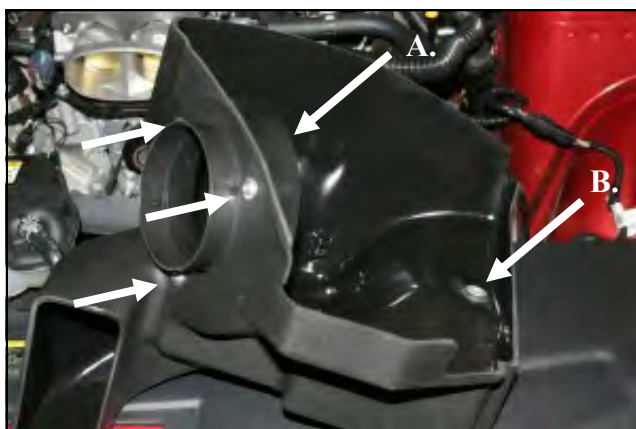
1. **Disconnect the negative battery cable.**  
A.) Push the green plastic tabs on each end, and remove the breather hose from vehicle. (Save for later use). B.) Loosen the hose clamp that secures the intake tube to the throttlebody. C.) Squeeze the clamp and disconnect the resonator from the air intake tube. D.) Slide the red tab, and disconnect the wiring harness from the Mass Air Flow sensor (MAF).



2.A.) Using a 10mm socket, remove and save the bolt that secures the airbox to the fender.  
B.) Using a flat blade screwdriver, **carefully**, push, or pry the 5 wiring loom anchors from the factory airbox.



3. Grab the airbox and tube and roll it forward while lifting up to dislodge it from the intake scoop. Remove the assembly from the vehicle. A.) Remove the two factory grommets and then replace them back into the two holes in the inner fender. B.) Remove the steel sleeve and grommet and save for reinstallation later. C.) Using the provided #20 Torx bit, remove the two screws and the MAF sensor from the tube.



4. A.) Install the filter adapter (#7) using three 1/4-20 button head bolts (#11), and flat washers (#10) into the Airaid Cool Air Box (CAB) (#3) as shown. B.) Reinstall the small grommet and sleeve (removed in step #3) into the hole in the CAD.



5. Turn the CAB so that the bottom faces the left fender as shown. Now reinstall the wiring loom anchors into their respective holes starting at the back of the CAB with the two hole anchor and work your way underneath and towards the front. The last anchor nearest the MAF sensor is not anchored.



6. Install the CAB into the vehicle making sure that the scoop provision in the CAB aligns with the factory scoop, and the two locating pins on the bottom align with the factory grommets. Next reinstall the factory bolt that was removed in step #2 thru the steel sleeve and grommet and into the inner fender. Make sure that the wiring harness is not pinched under the CAB.



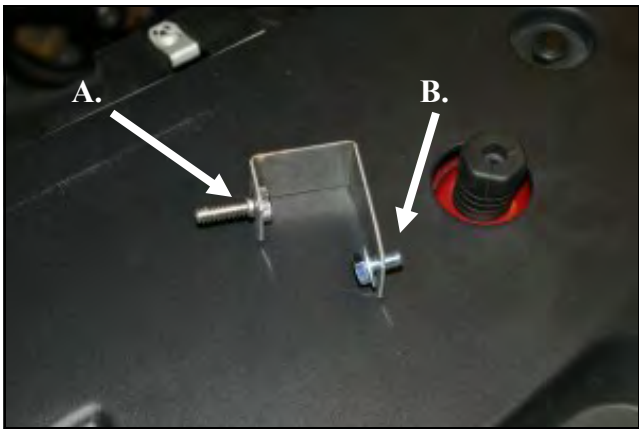
7. Install the provided hump hose (#4) onto the filter adapter using two #72 hose clamps (#15) as shown. Leave the two hose clamps loose for now.



8. Install the MAF sensor into the intake tube using two provided 8-32x3/8" screws (#12).  
**Do Not Use The Factory Screws!**



9. Lift up on the intake resonator tube to disengage it from the stud securing the power steering reservoir. Using a deep 10mm socket, remove the stud and save it for a possible optional install. See step #18.



10.A.) Thread the 1/4-20 hex bolt (#13) into the resonator bracket (#21) and tighten as shown.  
 B.) Slide the 6mmx12mm (#15) hex bolt thru one flat washer (#11) and into the hole in the resonator bracket.



11. Install the bracket assembly from step #10 as shown. This bracket and 6mm bolt will secure the power steering reservoir and replaces the stud removed in step #9.



12.A.) Install the oval coupler onto the intake tube using two #72 hose clamps (#15). Leave the clamps loose for now. B.) Install the 1 3/4" coupler (#6) onto the intake tube using two #28 hose clamps (#16) as shown. Tighten *only* the clamp against the tube for now. C.) Install the provided grommet (#17) into the intake tube and then install the aluminum fitting (#20) into the grommet as shown.



13. Install the air intake tube into the hump hose first, and then onto the throttlebody. Adjust for fit and then tighten all four hose clamps. Next, reinstall the factory resonator tube into the 1 3/4" coupler and tighten the hose clamp. Now "reseat" the resonator tube onto the bracket.



14. Install the Airaid Premium Filter (#1) onto the filter adapter and tighten the hose clamp. Next, install the weatherstrip (#9) onto the top of the CAD as shown starting near the radiator and working your way towards the left fender.



15. **VERY CAREFULLY!** Without cutting thru the connectors, cut the factory breather tube on each end just enough to remove the factory connectors.



16. Install the two factory connectors from step #15 into each end of the supplied 3/8"x12" breather hose (#9). Now reattach one connector to the valve cover, and the other end to the aluminum fitting on the intake tube.

### 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!**

### 18. Optional Installation Notice!

Airaid has made provisions to eliminate the factory air intake resonator if you so desire. The removal of the resonator has no effect negative effect on the performance of this kit. Please see the addendum instruction sheet included with these instructions for further information.

Full color instructions can be viewed on our web site at [Airaid.com](http://www.airaid.com). Use the **Product Search** function to find your part number, and click **View Details** or go to <http://www.airaid.com/InstallationPDF/450-309.pdf>

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! The air filter is reusable and should be cleaned using the Airaid Filter Tune-Up Kit periodically.

**Before!**



**After!**



**Don't Forget Your AIRAID Filter Tune-Up Kit!**



P/N 790-551 Aerosol Spray  
 P/N 790-550 Squeeze Spray



Instructions Revision  
 Date: 10/01/12