

# STEEDA COLD AIR INDUCTION KIT

## 2011 Mustang GT

Instructions for part #555-3156



\*\*\*NOTE\*\*\* This kit is only to used on cars that have been tuned.  
Using this kit without a tune can cause serious damage to your engine.  
Steeda will not be held liable for use without a tune. \*\*\*NOTE\*\*\*

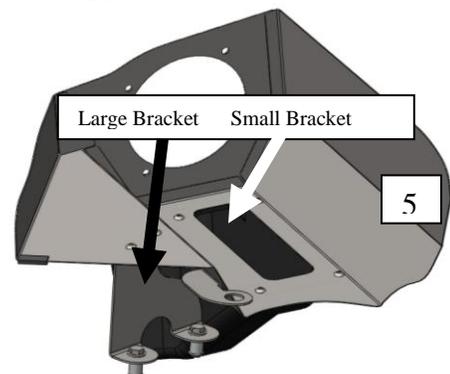
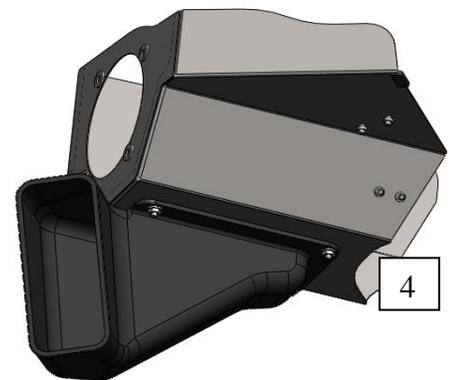
### Removal of factory air intake system

1. Remove the factory intake assembly by first removing the engine cover. To do so, lift up on the cover in any corner. It is held in place simply by rubber grommets. Set the cover aside for now. Next loosen the hose clamp securing the intake tube to the throttle body. Also disconnect the hoses for the sound tube and PCV system. These hoses are indicated in figure 1.
2. Disconnect the electrical connector for the mass air flow sensor. Unbolt the lower half of the airbox from the fender as seen in figure 2. Gently pull up on the airbox and dislodge the rubber grommets from their holes in the fender. Then pull the intake tube off of the throttle body and lift out the entire assembly in one piece.
3. Remove the rubber grommets from the bottom of the airbox and insert them into the holes where they were originally located in the inner fender as shown in figure 3.



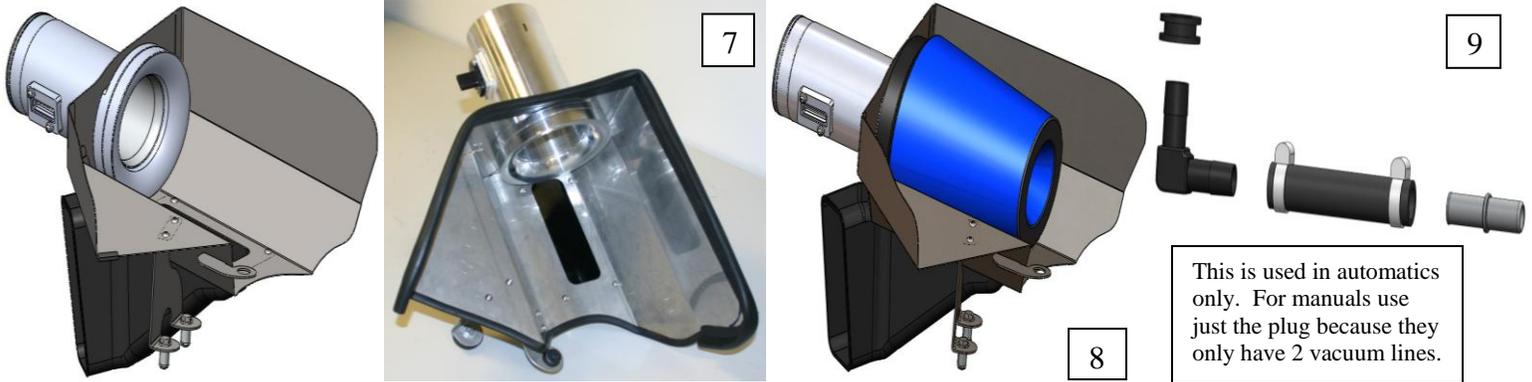
### Assembly of the Steeda Cold Air Induction Kit

4. Bolt the lower air duct to the shield with the provided #10 x 1/2" button head Allen screws and associated lock nuts and washers as seen in figure 4. The bracket with the large hole in it needs to have the grommet and bolt used to secure the factory airbox transferred over. Also, screw the provided aluminum dowels into the bottom of the larger bracket, as also seen in figure 5, with the supplied 1/4" x 5/8" Hex head bolts and 1/4" flat washers.
5. Attach the mass air flow sensor pipe to the shield assembly by passing the pipe through the hole in the shield and orient it as shown in figure 6. Bolt it to the shield with the provided 1/4" x 3/8" button head Allen screws and 1/4" flat washers.
6. Install the rubber trim around the edges of the shield as shown in figure 7. The larger trim, with the bulb, should go around the top of the shield to seal against the hood liner, while the smaller trim should go around the lower part of the shield.
7. Attach the supplied cone air filter to the velocity stack by sliding it over the outer flange and securing it with the attached hose clamp as seen in figure 8.
8. Remove the mass air flow sensor from the factory airbox lid by removing the two torx screws securing it. Now carefully transfer the sensor into the aluminum mass air flow sensor pipe in the same orientation as it was in the factory airbox lid. Use the two provided #8 x 5/16" button head Allen screws to secure it to the pipe.
9. Now assemble and install the PCV hose adaptors onto the plastic intake tube. Install one adaptor into the hole in the bottom of the plastic intake tube for automatics, manuals use the plug instead. To do so, install the rubber grommet into the small hole in the bottom of the intake tube. Next insert the 90 degree



elbow into the grommet, be sure the barb on the elbow is through the grommet to prevent it from falling out. Install the longer piece of rubber hose onto the elbow and place two similar sized hose clamps over it. Install the aluminum PCV tube adaptor (the one with the similar diameter ends, not the adaptor with one large and one much smaller diameter) into end of the rubber hose. Be sure to install the bulbed end of the adaptor into the rubber hose. See figure 9 for an exploded view of the assembly. Also ensure there is enough of the lip exposed to clip into the PCV hose of the car similar to the factory intake tube.

10. Install the other adaptor (the one with a large and much smaller diameter end) on the smaller tube coming off the side of the plastic intake tube. First, install half of the shorter piece of rubber hose over the end of the intake tube. Then install the other aluminum adaptor into the end of the rubber hose and secure with two of the similar sized hose clamps. The completed assembly should look similar to figure 10.



### Installation of the Steeda Cold Air Induction Kit

11. Fit the shield assembly into the car in the same location and orientation as the factory airbox as seen in figure 12. Be sure to locate the dowel pins, in the brackets of the shield, into the rubber grommets you placed back in the fender. Also reinstall and tighten the bolt used to secure the factory airbox into the bracket which you transferred the rubber grommet into. Note; make sure that the lower air duct fits securely in the same intake duct as the factory lower airbox.
12. Install the two silicone sleeves over the new intake tube and slide two hose clamps over each sleeve. The sleeves and hose clamps are different diameters to match the different diameters of the ends of the new intake tube. See figure 13.
13. Fit the new intake tube in place by first setting the larger diameter end and sleeve over the mass air flow sensor pipe. Then install the smaller end and sleeve over the throttle body. Be sure to have half of the sleeve over the intake tube and the other half over the attachment point. Tighten down all four hose clamps.
14. Install the noise tube and spring clamp over the largest boss on the side of the intake tube or use the provided cap to plug it off. See figure 10. Plug the PCV hoses into the adaptors installed onto the intake hose. Be sure that the PCV hoses on the car clip onto the adaptors.
15. Reconnect the mass air flow sensor and reinstall the engine cover. You are done with the installation!
16. You now **MUST** tune the engine computer to be able to operate the car with the Cold Air Induction kit installed. If you do **NOT** have the engine tuned after installing the Cold Air Induction kit the air:fuel ratio could become very lean and could damage the engine!! Steeda will not be held responsible for damage caused by this CAI kit when used without a proper tune.



#### Helpful Tips:

- Put a small cut in the bottom of the trim pieces where they make transitions around corners to aid fitment with the shield.
- If the trim will not stay in place following installation, apply a small amount of contact cement (or similar adhesive) to ensure the trim stays in place.
- For future air filter service and maintenance please see <http://www.steeda.com/store/air-filter-cleaning-kit-for-ford-mustang.html>

**Warning: Not approved for sale in California or states that require a California E.O. #. This part has been designed and is intended for off-road application only. Installation of this part on a vehicle that is driven on public roads may violate U.S. and Canadian laws and regulations.**

**Note: Federal and several state and provincial laws prohibit the removal, modification or rendering inoperative of any part that affects emissions or safety on motor vehicles used on public streets or highways. Steeda Autosports assumes no liability for any violations arising out of any federal, state or provincial emissions or safety requirements on motor vehicles arising out of the customer's modifications and/or use of Steeda products. It is the responsibility of the customer to determine if their modified vehicle complies with applicable laws.**

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