



Granatelli Motor Sports 2011-2012 Mustang 5.0

Cold Air Induction System

Part number: 410046

Parts list:

Description

Intake tube
3 1/16 hose clamp #56
Screw 4mm .7x12mm
Weather strip 29" long
Vacuum hose 5/32 (4mm) x 13" long
Silicone sleeve 3.5" X 2.25" long
Air box
High flow air filter 5.5" x 7"x 5.25"

Qty.

1
2
2
1
1
1
1
1

Removal of factory air induction system.



A. If applicable, the vehicle's strut tower brace must be removed by removing the 4 secured nuts at the strut towers.



B. Remove the engine cover by lifting up from the front, and releasing the four guide pins.



C. Loosen the hose clamp attaching the hard plastic factory tube to the throttle body with 8mm socket or screwdriver



D. Unplug the Mass air flow sensor by sliding back the red lock and squeezing gently on the connector.



E. Use a pair of pliers, release the spring clamp on the sound tube and pull the sound tube off. Note: No need to remove the tube completely. It is used in the GMS kit.



F. Remove the crankcase vent tube by counter rotating the grey clip and gently pulling back all as one motion. Vehicles equipped with an Auto. Trans. will have an additional yellow clip.



I. Remove the right and left clips on the air box by pushing forward on the clip with the base of your thumb.



J. Additional view of left side air box clip.



K. It is now time to lift up gently on the top of the air box and remove the entire upper assembly



L. Remove the bottom portion of the air box by removing the secured M6 bolt.



M. Pull up gently on lower air box portion and remove.



N. Remove the plastic fender grommet by pulling gently with a panel removal tool or a pair of pliers. Take extra caution not to break grommet.

Installation of Granatelli Motor Sports Cold Air Induction System.



O. Additional view of plastic grommet when removed.



P. Gently guide and lower the GMS airbox into position. Make sure the inlet of the airbox mates with the factory air scoop.



Q. Re-install plastic grommet into fender as shown to secure GMS air box.



R. Additional view of plastic grommet being installed.



S. Additional view of GMS airbox mating with factory air scoop.



T. Remove the two Torx screws from the factory air box along with the factory mass air flow sensor.



U. Carefully insert the factory mass air flow sensor into the GMS intake tube, making sure the flow arrow on the MAF points toward the throttle body.



V. Secure the mass air flow sensor with the two provided 4mm bolts.



W. Guide the GMS intake tube through the air box opening. Use caution not to push out the rubber seal. A small amount of water aids in lubrication for installation.



X. Re-connect the factory vent tube to the GMS intake tube, by holding back on the clip and pushing firmly until it clicks.



Y. Re-connect the sound tube to the GMS intake tube and secure it in place with the factory spring clamp.



Z. Slide the GMS tube and coupler assembly onto the throttle body. Secure it with the two stainless hose clamps provided.



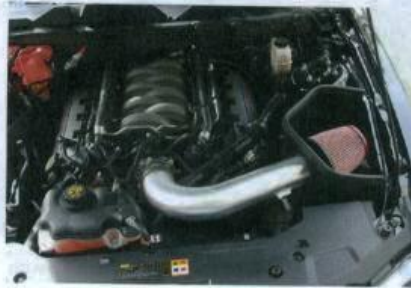
1A. Attach the factory mass air flow sensor harness connector to the mass air flow sensor. Pay close attention to the direction of the connector when installing. Push in red clip after connector has mated.



1B. Additional view of connector, and orientation before attaching.



1C. Install the provided high flow conical air filter on the end of the inlet tube. We suggest angling the filter slightly toward engine in order to follow the contour of vehicle's fender design.



1D. Now is the time to inspect all clamps and connections. Make sure the air box is seated completely, and is flush with fender. Adjust the intake tube fitment to your approval, by loosening the throttle body hose clamp and re-tightening when finished.



1E. When you are satisfied with the intake fitment, re-install the engine cover by guiding the back in first and then pushing down on the front. Everything will be seated correctly when the plastic cover is flush with the intake manifold runners on the engine.



1F. If vehicle is equipped with strut tower brace, you may re-install it at this time. Re-connect the negative battery terminal and start the engine. Let the vehicle warm up to normal operating temperature, and perform a final inspection before operating vehicle. You have now completed installation; enjoy the increased performance of the Granatelli Motor Sports Mustang 5.0L Coyote cold air induction system.



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