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## **GMS-TB0007**

### **Throttle Body, Twin 62mm Bores, 2005-08 Mustang GT w/Adapter.**

Replaces # GM-TB0507N, GM-TB0507B, GM-TB0507R, GM-TB0507BL

Installation Time- About 1 Hour

Tools Needed-Ratchet, Socket Set, Flat Head Screw Driver

#### Parts List-

- (1) Mustang GT-500 Throttle Body
- (1) Spacer, Throttle Body Adapter 05-08 Mustang GT
- (1) O-Ring
- (4) Bolts, 6mm x 35mm lg. Flanged
- (1) Sleeve, Step Turbo 4.50" x 5.00" x 3" Lg
- (2) Clamps, Hose #80

Please read through these instructions carefully prior to installing your new Throttle Body and Adapter Plate. If you have any questions or problems please contact our Technical Department at (805) 486-6644 from 8am-5pm Monday through Friday, Pacific Standard Time.

#### **Required Parts-**

**Aftermarket Cold Air Intake System**

#### **Recommended Parts-**

**Granatelli Motor Sports Cold Air Intake Kit 410040 (Satin) or 410040-P (Polished)**

#### Step 1-

Disconnect Negative Battery Terminal

#### Step 2-

Remove your aftermarket intake tube from the factory throttle body and set aside for now. A flat blade screwdriver, nut driver or 5/16<sup>th</sup> socket can be used to remove the clamps for this process. *Make note of any hoses or connections that may have to be removed since they will have to be re-installed during the final steps.*

#### Step 3-

Carefully disconnect the TPS sensor connection and the Electronic Throttle Control Motor sensor connection. These will be reconnected to your new throttle body further in these instructions.

#### Step 4-

You are now ready to remove the factory throttle body. Using an 8mm + 10mm socket remove the four bolts securing the t/b to the intake manifold. **Make sure that the factory O-ring seal stays on the intake manifold (see photo below).** Once you have removed the factory throttle body and hardware they will no longer be needed. Please make sure to store these in a safe place.



**Important: Retain the Factory O-Ring on intake manifold**

#### Step 5-

Locate the GMS supplied throttle body adapter plate. Sandwich the adapter plate between the intake manifold and the new GT-500 throttle body. **In this step it is important to make sure that the O-ring seal on the supplied adapter faces away from the intake manifold (See Photo Below).** Locate the (4) GMS supplied bolts. Using a 10mm socket secure your adapter plate and the larger GT-500 throttle body to your factory intake manifold. Tighten bolts to 89 lb-in.



#### Step 6-

Now that you installed the new adapter plate and throttle body you are ready to re-install your aftermarket intake tube. Locate the GMS supplied silicone adapter and clamps. Attach the larger side of the reducer sleeve to the throttle body and secure it using the corresponding clamp. You can now slide your intake tube onto the other end and securely fasten it with the remaining clamp provided.



#### Step 7-

From Step 1 re-connect any hoses or connections that had to be undone when uninstalling your aftermarket intake tube. Make sure that everything is installed securely.

#### Step 8-

You are now ready to connect your factory sensors to the larger throttle body. These are the same harnesses that were disconnected in Step 2 above. Locate the TPS Sensor Connection and plug it into the TPS sensor on the new throttle body. Now locate the Electronic Throttle Control Motor Sensor and do the same. You should feel the harness positively click into place. This will reassure that you have securely fastened the harnesses onto the sensor.

#### Step 9-

Re-Connect your Negative Battery Cable

#### Step 10-

Congratulations on the Installation of your new throttle body. Please make sure that you have removed all tools and hardware from the immediate area. At this point you are ready to fire up your vehicle. After initial start up make one last careful inspection of all components and connections, you are now ready for the road.

Completed Installation Below!



#### LIMITED WARRANTY:

Granatelli Motor Sports warrants that all products shall be free from defects in materials and/or workmanship for ninety days from the date of purchase (except in-tank and in-line fuel pumps purchased at dealer or wd prices as these items have no warranty and roller rocker arms which have a 12-month limited warranty). The following requirements and exclusions apply: (1) You must be the original purchaser and must complete the warranty registration form (located at [www.GranatelliMotorSports.com/warranty.asp](http://www.GranatelliMotorSports.com/warranty.asp)) and return the defective product within 10 days after the expiration of the product warranty. Failure to do so voids all warranty, either express or implied set forth herein. (2) You must reside in the United States or Canada and use the product as described in the warranty registration. (3) The product must not have been altered, disassembled, modified, or converted for any other use than intended by Granatelli Motor Sports. (4) The product, or any part thereof, is not used in accordance with the operating parameters specified by Granatelli Motor Sports (5) The product or any part thereof is damaged or rendered unserviceable due to negligence, vandalism, theft, fire, debris, flood, Act of God, or other peril, malfunction of equipment, or by any cause within the Customer's control. (6) The serial number (if applicable) must not have been altered or removed. The extent of Granatelli Motor Sports' liability under this warranty shall be limited to the prompt correction or replacement, at Granatelli Motor Sports' option and at no cost to the customer other than return

shipment, of any defective part of the product determined to be necessary by Granatelli Motor Sports. This only applies if written Granatelli Motor Sports received notice of the claimed defect prior to expiration of the warranty period. All warranties of merchantability and fitness for a particular purpose are expressly excluded. The duration of any and all implied warranties is limited to the duration of this express warranty. All incidental and consequential damages including but not limited to loss profits even if it has been advised of the possibility of such damages are hereby excluded. Regardless of the form of the claim, Granatelli Motor Sports liability for any damages to the customer for such product is limited to the guidelines herein. This stated, expressed warranty is in lieu of all liabilities or obligations of Granatelli Motor Sports for damages arising out of or in connection with delivery, use or performance of the product. This warranty cannot be amended or changed by any Granatelli Motor Sports representative, employee, or agent and any promises inconsistent with this warranty are void and unenforceable against Granatelli Motor Sports. Some states do not allow limitations of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may have other rights that vary from state to state. Your sole remedy for the above warranties is the repair or replacement of the defective product only, at Granatelli Motor Sports' sole discretion.

#### **RETURN POLICY:**

Before you return a product for a warranty claim, contact our service department M-F 8AM-5PM (PST) at 805-486-6644 or [techsupport@GranatelliMotorSports.com](mailto:techsupport@GranatelliMotorSports.com) for an RGA number. No returns are accepted without a pre-approved RGA (return goods authorization). No returns on special orders, electrical items or after 90 days from date of original shipment. All returns must be safety packaged in original packaging (if available) and clearly marked with your RGA number on the top and two sides of the box. Please insure your shipment for full replacement value as lost, stolen or items damaged in shipment are not covered by our limited warranty. We recommend using FedEx ([www.FedEx.com](http://www.FedEx.com)) or UPS ([www.UPS.com](http://www.UPS.com)) for shipping. Lost, stolen or damaged items claims must be made by the customer and resolved by the freight company and not Granatelli Motor Sports. All returns may be subject to a restocking fee of up to 25%. The balance will be returned in the form of a company check or may be applied as credit towards another purchase.

#### **PERFORMANCE CONSUMER'S BILL OF RIGHTS:**

Legally, a vehicle manufacturer cannot void the warranty on a vehicle due to an aftermarket part unless they can prove that the aftermarket part caused or contributed to the failure in the vehicle (per the Magnuson Moss Warranty Act, [www.GranatelliMotorSports.com/magnusonmoss.htm](http://www.GranatelliMotorSports.com/magnusonmoss.htm) (15 U.S.C. 2302(C))). For best results, consider working with performance-oriented dealerships with a proven history of working with customers. If your vehicle manufacturer fails to honor emission/warranty claims, contact EPA at (202) 260-2080 or [www.epa.gov](http://www.epa.gov). If federal warranty protection is denied, contact the FTC at (202) 326-3128 or [www.ftc.gov](http://www.ftc.gov). For additional information, check out [www.GranatelliMotorSports.com/TechSupport.htm](http://www.GranatelliMotorSports.com/TechSupport.htm).

#### **Disclaimer:**

Actual products may vary from photographs shown. For latest information, please call 805-486-6644 first. You can also check out our web site at [www.GranatelliMotorSports.com](http://www.GranatelliMotorSports.com). However, it may have not been updated at the time you actually view it. Therefore, we cannot guarantee the accuracy of the information on our web site. Granatelli Motor Sports is not responsible for any unintentional omissions or typographical errors and reserves the right to make changes to packages, services, operating procedures, colors, materials, features, specifications, part numbers, pricing and to discontinue any products and/or components at any time without prior notice. Some items shown are sold for off-road use only and/or racing use (not street legal) and not intended for use on public highways, customer assumes costs and liability for installation and use. Performance figures shown can vary considerably due to a variety of factors including but not limited to altitude, humidity, barometric pressure, outside temperature, vehicle age, state of vehicle tune, vehicle manufacturer engine tolerances, vehicle modifications, chassis and engine dyno calibration, chassis and engine dyno brand, etc.