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## *Helix Power Tower PLUS* Installation Instructions

(2005-2010 Ford Mustang 4.6L V-8 Part #46055)

### **Important! Read all instructions before you begin installation.**

1. (Note: 2007 Mustang with Pony Car option Remove engine sight cover) Disconnect the PCV Vent Hose on air inlet tube. Loosen and remove air inlet tube.
2. Disconnect the Throttle Position Sensor (TPS) and Fly-By-Wire (FBW) harnesses from throttle body. Loosen and remove throttle body. Some models use two bolts and two nuts or four body bolts. In either case remove all. For models with studs on the lower locations use a stud extractor or this method:
  - a. Using the two nuts from the removal, take the first nut thread it on upside down, next take the second nut and thread it on to the stud. Lock the two nuts together. This will grip the stud. This will make it like a headed-bolt.
  - b. Now the stud can be removed. Remove nuts from this stud and repeat for the last stud.

**The manifold has brass inserts, and steel studs are threaded into the brass inserts..**
3. If equipped, remove the Original spacer. Insert Helix Power Tower Plus (engraved side towards throttle body) and gasket in between the throttle body and intake manifold. Place the gasket in between the throttle body and throttle body spacer. Using the washers and longer bolts provided in kit, secure the throttle body to intake manifold. Tighten the bolts to 10 Nm (89 lb/in).
4. Reconnect TPS and FBW harnesses to throttle body.
5. Install air inlet tube onto throttle body and air cleaner assembly. Reconnect the crankcase vent to air inlet tube. Will not be able to reinstall the sight cover without cover modifications.



### **Parts List**

- 1 Helix Power Tower Plus
- 1 Gasket
- 4 6mm x 55mm bolts
- 4 6mm lock washers
- 4 6mm flat washers