

## **Installation Instructions for 15486**

### **Vortec Throttle Body Spacer with Helix Air**

**for 1999-2004 FORD 4.6L V8 ENGINES**

#### **Installation Instructions:**

1. With engine off remove air cleaner assembly from top of throttle body unit.
2. Using a 10mm socket remove mounting bolts from front side of throttle body. Remove throttle cables & wire connectors. Now remove throttle body. Clean off old gasket.
3. Remove the 2 bolts from throttle linkage bracket and save.
4. Install HELIX SPACER with gaskets on either side, then the throttle body unit, bolt down with bolts supplied in kit. Torque to 6ft.
5. Install linkage plates using two 6mm screws. Then install throttle bracket to the plates with two screws saved. Install one linkage bracket plate for the plastic intake cover.
6. Install throttle linkage & wire connectors.
7. Inspect throttle for open and closed travel. Then reinstall air cleaner housing.
8. Start engine & let idle for a couple minutes then go drive, It takes 15 minutes of normal driving for computer to re learn.

STATE OF CALIFORNIA  
AIR RESOURCE BOARD  
EXECUTIVE ORDER  
# D-623 EXEMPTION



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