

**Warning!** These instructions must be read and fully understood before beginning the installation. Failure to follow these instructions may result in poor performance, vehicle damage, personal injury, or death. If these instructions are not fully understood, installation should not be attempted.

**Danger!** A sticking throttle cable may result in uncontrolled engine or vehicle speed. This could cause property damage, personal injury, or death. A sticking throttle may be caused by improperly installed throttle cables, lack of clearance for any of the throttle linkage, or by a binding throttle linkage. Check all throttle cables for proper installation and alignment and actuate the throttle to check for any potential binding or clearance problems. Repair any problems before continuing.

Failure to attach the throttle return spring or a sticking throttle may result in uncontrolled engine or vehicle speed, which could cause personal property damage, serious injury, or death.

## Installation Instructions

**Note:** Throttle body is designed to fit a 4150 style intake manifold.

1. Install throttle to manifold with 5/16 bolts.
2. Install the throttle linkage and external throttle return springs. External springs should be used in addition to the springs on the throttle body itself. Have an assistant get in the vehicle and fully depress the accelerator pedal. Make the necessary adjustments to the throttle linkage to insure that the throttle reaches wide-open position when the accelerator is depressed. Work throttle linkage back and forth several times to ensure that it operates smoothly with no binding or sticking.

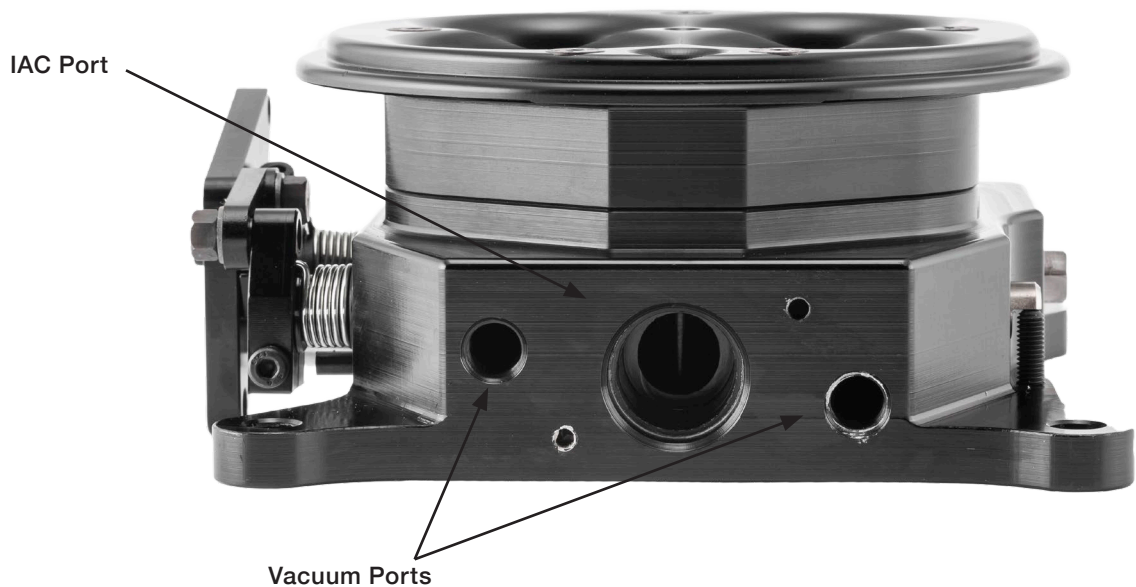
**Note:** Unit uses a 1/4 thread for the air cleaner stud.

## Sensor, Fittings, and Locations

1. Manifold Absolute Pressure (MAP): LS Style MAP Sensor (Part Number: FAST 307029)



2. Dual Vacuum Ports: 3/8" barbed fittings needed (Part Number: MSC 55539308)
3. Idle Air Control Valve (IAC): (Part Number: PCE108.1008 or FAST 307015)



**Note:** One of the vacuum ports may be used to run an external MAP sensor instead of using the MAP port. Tapping and plugging the MAP port will be needed.

**Note:** Use one of the vacuum ports to run the booster.

4. Throttle Position Sensor (TPS): 87' Mustang 5.0L TPS Sensor (Part Number: BWD EC3314P)

