



**EDELBROCK 90mm THROTTLE BODY**  
**for Ford Based Applications**  
**Part #3818 & 38183**  
**INSTALLATION INSTRUCTIONS**

**PLEASE** study these instructions carefully before beginning this installation. Most installations can be accomplished with common tools and procedures. However, you should be familiar with and comfortable working on your vehicle. If you do not feel comfortable performing this installation, it is recommended to have the installation completed by a qualified mechanic. If you have any questions, please call our **Technical Hotline at: 1-800-416-8628**, 7:00 am - 5:00 pm, Pacific Standard Time, Monday through Friday.

**IMPORTANT NOTE: Proper installation is the responsibility of the installer. Improper installation will void your warranty and may result in poor performance and engine or vehicle damage.**

**DESCRIPTION:** This Edelbrock Throttle Body was designed for use with the Pro-Flo XT EFI system. It can also be used independently with the Pro-Flo XT manifold and a standalone injection system, with an Edelbrock EFI Throttle Body Elbow or with any custom application that uses the standard Ford 5.0L throttle body bolt pattern. It includes a TPS sensor, a progressive throttle cable lever and attachment points for transmission kickdown and cruise control. These features are all mounted on a threaded shaft to allow for further customization. **NOTE:** A new 3/8"-24 Nylock lock-nut and locking tab washer **MUST** be used for re-assembly. An Idle Air Controller (IAC) is not supplied with the throttle body and a block-off plate has been supplied if an IAC will not be used.. It is compatible with any stock 5.0L style IAC, as well as the Edelbrock/Hitachi IAC #36017. Testing has shown this throttle body capable of flowing 1,120 cfm at 20.5" of water. An inlet tube at least 4" in diameter is strongly recommended.

**NOTE:** This throttle body is not designed to work with any type of emission control device. It is intended for off-road use only and may not be legal for installation on street driven vehicles in some areas. Check local laws before installing on a street driven vehicle.

**KIT CONTENTS:**

1 IAC Block Off Plate     1 IAC Gasket     1 Throttle body gasket     1 Throttle Position Sensor (Installed)

**IDLE SPEED ADJUSTMENT**

1. Start the engine and allow it to run until it reaches operating temperature.
2. With the IAC disconnected, adjust the throttle stop screw until an engine speed roughly 50 rpm over the desired idle is achieved.
3. Once this speed has been achieved, test the voltage between the dark green/light green and black wires.
4. If the results are outside the range of 0.8 - 1.0 volts, loosen the screws retaining the throttle position sensor and gently rotate it until the voltage falls in line. It may be necessary to elongate the holes slightly to achieve the proper adjustment.

**Edelbrock Corporation • 2700 California St. • Torrance, CA 90503**  
**Tech-Line: 1-800-416-8628 • Office/Sales Line: 310-781-2222**