



INSTALLATION MANUAL

Universal 4-Barrel Throttle Body 1375 CFM

PFEQTB1000



Included Items	QTY
PFEQTB1000 Quad Throttle Body 4150 Square Bore	1
PFEQTBTPS GM Throttle Position Sensor (TPS)	1
PFEQTBIAAC GM Idle Air Control Valve Motor (IACV)	1
PFE841-04BK 1/8" NPT to 1/4" Barb Adaptor	1

WARNING: PLEASE READ ALL INSTRUCTIONS BEFORE PROCEEDING. PROFLOW WILL NOT BE RESPONSIBLE FOR ANY DAMAGE AS A RESULT OF THE INCORRECT INSTALLATION OF THIS PRODUCT. IT IS RECOMMENDED THAT A QUALIFIED AUTOMOTIVE TECHNICIAN PERFORMS THIS INSTALLATION.

Description

The Proflow 4-barrel quad throttle body is designed to fit any square bore 4150 styled intake manifolds and has four 1.75" throttle blades, providing up to 1375 CFM. This unit includes a GM style throttle position sensor (TPS), idle air control (IAC) motor and two 1/4" barbed vacuum ports. It also features a progressive throttle linkage that delivers quick throttle response for spirited driving, with an easy conversion option to a 1-to-1 operation for maximum flexibility.

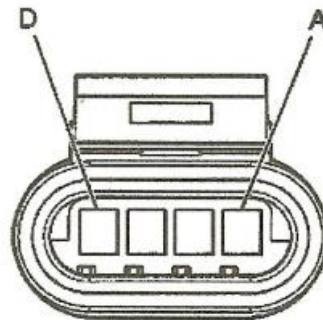
Connector Information

The following information gives the pin-out information for the IAC and TPS sensors:

Idle Air Control Motor (IAC)

- 1) A – Coil B Low Control
- 2) B – Coil B High Control
- 3) C – Coil A Low Control
- 4) D – Coil A High Control

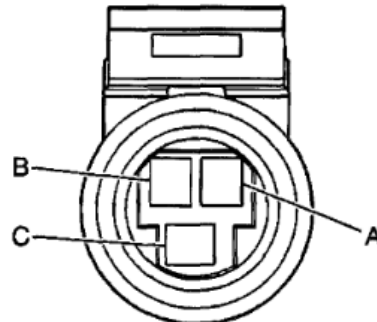
Proflow connector PN: PFEFI-019



Throttle Position Sensor (TPS)

- 1) A – 5 Volt Reference
- 2) B – Low Reference
- 3) C – Sensor Signal

Proflow connector PN: PFEFI-020



Typical Installation

1. Install the throttle body to the manifold with the barbs facing towards the rear of the car (unless otherwise required).
2. The throttle lever for this throttle body is designed for a universal application so many throttle cables can be used. Ensure it is attached to the primary lever.
3. Once the throttle cable is attached to the linkage, have an assistant get in the vehicle and fully actuate the throttle controls. Make necessary adjustments to the idle screws to either let more or less air pass through for better idle stability.
4. Work the throttle linkage back and fourth several times to sensure smooth operation with no binding or sticking. Ensure the throttle plates are vertical when the throttle control is wide open.

5. Install 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 levers to ensure that the throttle reaches wide open position when the accelerator is depressed. Ensure that the linkage levers still operate smoothly afterwards.

Note: Proflow Tunnel Ram intake manifolds do not have mounting boss provision for throttle linkages or return springs, so a custom bracket may need to be fabricated.

6. If using multiple throttle bodies on a Proflow intake manifold (Sold separately), please use part number PFEM6950 for the appropriate linkage kit which will allow them to operate simultaneously. This uses an LS style throttle cable. Only one TPS sensor will need to be connected in this case.

DANGER: A STICKING THROTTLE MAY RESULT IN UNCONTROLLED ENGINE OR VEHICLE SPEED. THIS COULD CAUSE PROPERTY DAMAGE OR PERSONAL INJURY. CHECK ALL THROTTLE CABLES FOR PROPER INSTALLATION AND ALIGNMENT AND ACTUATE THE THROTTLE TO CHECK FOR ANY CLEARANCE ISSUES BEFORE USING THIS THROTTLE BODY!

