



Installation Instructions for 34-105 Billet Metering Block

Thank you for purchasing our Billet Two Circuit Gasoline Metering Block Conversion Kit.

Installation is essentially the same procedure as replacing a conventional metering block. There are a couple of features and tuning aspects of this metering block you should become familiar with. At the top of the straight "V" is the idle feed restriction (see illustration below). This screw-in restriction controls the fuel side of the idle and off-idle air/fuel mixture. Your primary metering block comes with .033" idle feed restrictions. The number "33" will be stamped on the head of these restrictions.

The emulsion holes, the three emulsion bleeds in the serpentine slot are pre-calibrated and intentionally do not have any bleeds installed. These pre-calibrated emulsion holes offer improved performance over your original metering block and are adequate for the majority of most applications.

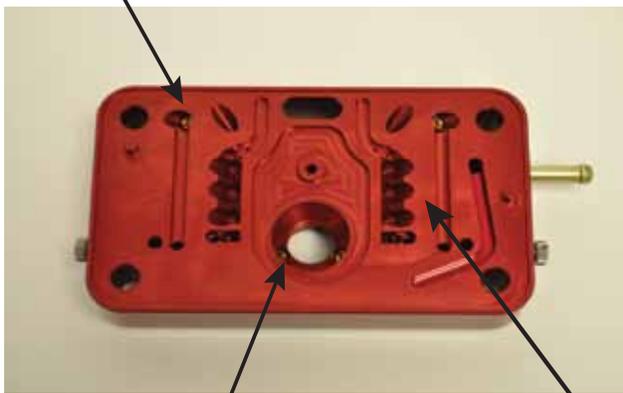
An additional feature of the metering block is an adjustable power valve channel restriction. These are the holes immediately behind the power valve 1" hex head. The purpose of these restrictions is to add supplemental fuel to the main well during wide open throttle operation or when the engine load drops the manifold vacuum below the calibrated value of the power valve. In this metering block the power valve channel restrictions are .059" and should have the number "59" stamped on the head.

CAUTION: Do not make drastic emulsion or power valve channel size changes as you can significantly alter the air/fuel mixture ratio and could cause damage to the engine. It is highly recommended that when experimenting with emulsion calibration you consult one of the many books available on carburetor modification and use one or more devices that monitors air/fuel ratio throughout the operating RPM range.

Primary Billet Metering Block

Secondary Billet Metering Block

Idle Feed Restriction



Power Valve Channel Restriction

Emulsion Bleeds



We thank you for purchasing Quick Fuel Technology products. We are passionate about our products and your performance - if you are experiencing any difficulty in your installation or are having other issues please call our technical service phone line at 270-793-0900. Our business hours are M-F 8:00 am - 5:00 pm Central Time.