



LECTRON FUEL SYSTEMS INC.

1454 Imlay City Rd. Lapeer MI: 48446

POWERJET TUNING

OPERATION:

The purpose of the Lectron Powerjet is to supply more fuel to the air under high air flow conditions for 2 stroke engines. The Powerjet begins to meter fuel when the slide is more than 50% open (1/2 to full throttle). This allows the engine to run with leaner metering rods, which drastically improves low-end and mid-range engine response, without engine damage. With the use of the Lectron Powerjet, it is now possible to richen the full throttle fuel-air mixture without changing metering rods or disturbing low-speed tuning.

TUNING PROCEDURE:

It is recommended to start with a large pilot-jet in the Powerjet unless a factory recommendation is obtained for your particular engine. A Mikuni pilot-jet (#VM-22 Series) is used in the Powerjet because of the existing availability through most any motorcycle shop. A number 50 through 60 pilot-jet usually is the best starting point.

When selecting the first metering rod, it is best to select a metering rod two sizes leaner than the metering rod for a standard Lectron carburetor.

EXAMPLE: Standard Carburetor: #7-2 Metering Rod
New Powerjet Carburetor: #60 Pilot-jet w/#5-2 Metering Rod

When tuning the carburetor, it is best to adjust or replace the metering rod for maximum low-speed response and idle mixture first (see Lectron tuning sheet). After the low-speed mid-range is satisfactory, full throttle tuning is accomplished by changing pilot jets.

EXAMPLE: VM-22 Pilot-jets

Leaner ← - #30----#50----#70 → Richer

To change pilot-jets, unscrew cover screw from Powerjet body (Figure 1). Using a fine blade screwdriver, unscrew pilot-jet from inside Powerjet body and remove. When replacing pilot-jet, make sure it is seated firmly in Power-jet body but do not overtighten or force.

NOTE: When replacing cover screw, be sure gasket is in place and screw is tightened securely.

After changing pilot-jet, it may be necessary to make minor adjustments on metering rod.

CAUTION:

If you are in doubt as to carburetor selection or setting,

Call:

313-664-0800