



## OPERATING INSTRUCTIONS

### SERIES MODEL MP-9945

MagnaFuel fuel pressure regulator, part number MP-9945 is designed for racing only and should not be used on any vehicle subject to emission controls. The units are a precision assembly and the instructions should be followed carefully. The unit is supplied with a serial number; the number is an important part of the one year limited warranty. Please record the serial number on both sections of your warranty card. Return the Warranty Registration Card to MagnaFuel and retain the Warranty Registration Receipt for your records and for reference if you call for technical assistance.

#### **Description of Operation**

These units are compatible with racing gasoline's or alcohol fuels. Each PCU has an 1/8" NPT pressure port for a gauge and comes standard with a boost reference fitting for a -3 line. The Regulator body has 5 ports in the side, anyone of which may be used as the Inlet. The remaining 4 are for outlets to the carburetor(s). Unused ports must be plugged using a -8 o-ring plug. MagnaFuel Part# MP-3001. The port on the bottom of the regulator is for the return. The return line must be a minimum of -10 all the way to the fuel tank. Any restrictions in the return line will cause problems adjusting fuel pressure to the Carburetor(s). The MP-9945 Regulator has a pressure range of approximately 3 to 12psi. The actual pressure range is determined by the volume of the fuel pump. The MP-9945 Regulator is designed to work with high volume fuel pumps such as the ProStar 500. When using a standard carburetor fuel pump with an external by-pass, such as the ProStar 500, the by-pass on the pump will not be used and must be capped off.

#### **Adjustment**

The fuel pressure control unit is adjusted with an internal hex wrench (3/16"). Clockwise (CW) raises regulated pressure and counter clockwise (CCW) lowers regulated pressure.

The fuel pressure **MUST** be set with some flow occurring (at least .5cc/sec) for correct pressure readings on the gauge.

**Note:** Liquid filled gauges readings vary based on temperature and altitude, for this reason they are not recommended.

MagnaFuel does not recommend leaving pressure gauges on race cars for competition.

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