



**Installation Instructions For
MP-3006, MP-3008, MP-3014, MP-3125**

Please read these instructions carefully before attempting to install the parts supplied.

The design of **MagnaFuel** Bulkhead fittings, Rollover Valve and Fuel Cell Kits are for applications in a sealing tank or fuel cell. The design of all **MagnaFuel** fittings is unique in that they are machined to a specific “flow shape” to produce more uniform unaerated fluid flow.

Parts List:

These fittings are supplied as a complete assembly consisting of the following parts:

- A. The bulkhead fitting (#8, #10, #12)
- B. Two O-Rings (1 used outside and 1 used inside the tank or cell)
- C. Special stat-O-seal (used on the outside of the tank or cell)
- D. Special retaining washer (used inside the tank or cell)
- E. Special retaining nut (used inside the tank or cell)

MP-3125 Rollover valve assembly

- F. Special sized bearing (used inside the tank or cell)
- G. Custom cover (used inside the tank or cell)

Service kits are comprised of parts B. through D. above and the installation instructions are the same.

Installation and Application Notes:

The installation sequence on these **MagnaFuel** parts and kits is the same for all sizes. Return lines should be placed in the tank so that the return fuel will not disturb the suction of the pump. Vent lines should be placed so that the tank is vented during acceleration (forward or lateral). Suction lines should be placed so that the acceleration of the vehicle assists the fuel supply to the pump (location in the lower back wall of the cell is typical). Cell foam should be cut so that there is at least 1” – 1 ½” of clearance near pump suction fittings.

The first step is sizing the hole in the tank (fuel cell) for the fitting as listed

MagnaFuel Part Number	Fitting Size	Hole Size Required
MP-3125	#8	¾” Diameter Drill
MP-3014	#8	¾” Diameter Drill
MP-3008	#10	7/8” Diameter Drill
MP-3006	#12	1 1/16” Diameter Drill

Carefully install the stat-O-seal on the fitting (do not force the seal or it will be damaged). Install one O-ring next. Place the fitting through the hole in the tank that was drilled per the list above. Install the second O-ring from the inside of the tank and push it into position close to the inside wall of the tank. Install the special retaining washer, placing the tapered side down toward the O-ring. Install the special retaining nut and tighten to 25-30 ft-lbs torque.