



PRO STAR 500 SERIES
Installation and Operating Instructions
Series Model MP-4401 & MP-4450

Introduction:

The accompanying MagnaFuel fuel pump part# MP-4401 or MP-4450 is designed for vehicles NOT subject to emission controls. The PRO STAR 500 series can be run continuously up to 1 ½ hours for limited street driving. The MP-4401 and MP-4450 are a precision assembly for maximum performance. The following instruction should be followed carefully.

Description of Operation:

This pump, like all MagnaFuel pumps, is compatible with all racing gasolines and alcohol fuels. Fuel additives are not recommended and may void the warranty. The MP-4401 and MP-4450 have an external by-pass is adjustable from 25 to 35 psi. They come preset at 28 psi. The PRO STAR 500 Series has enough flow capacity to support 2000 HP on gasoline or 1200 HP on alcohol. All MagnaFuel pumps require a #8 return line and a #8 vent or rollover valve. Return line and vent must be above the fuel level. The Pro Star 500 series pump is designed to work with a dead-head style regulator, if a by-pass style regulator is desired; the by-pass at the pump must be capped or plugged.

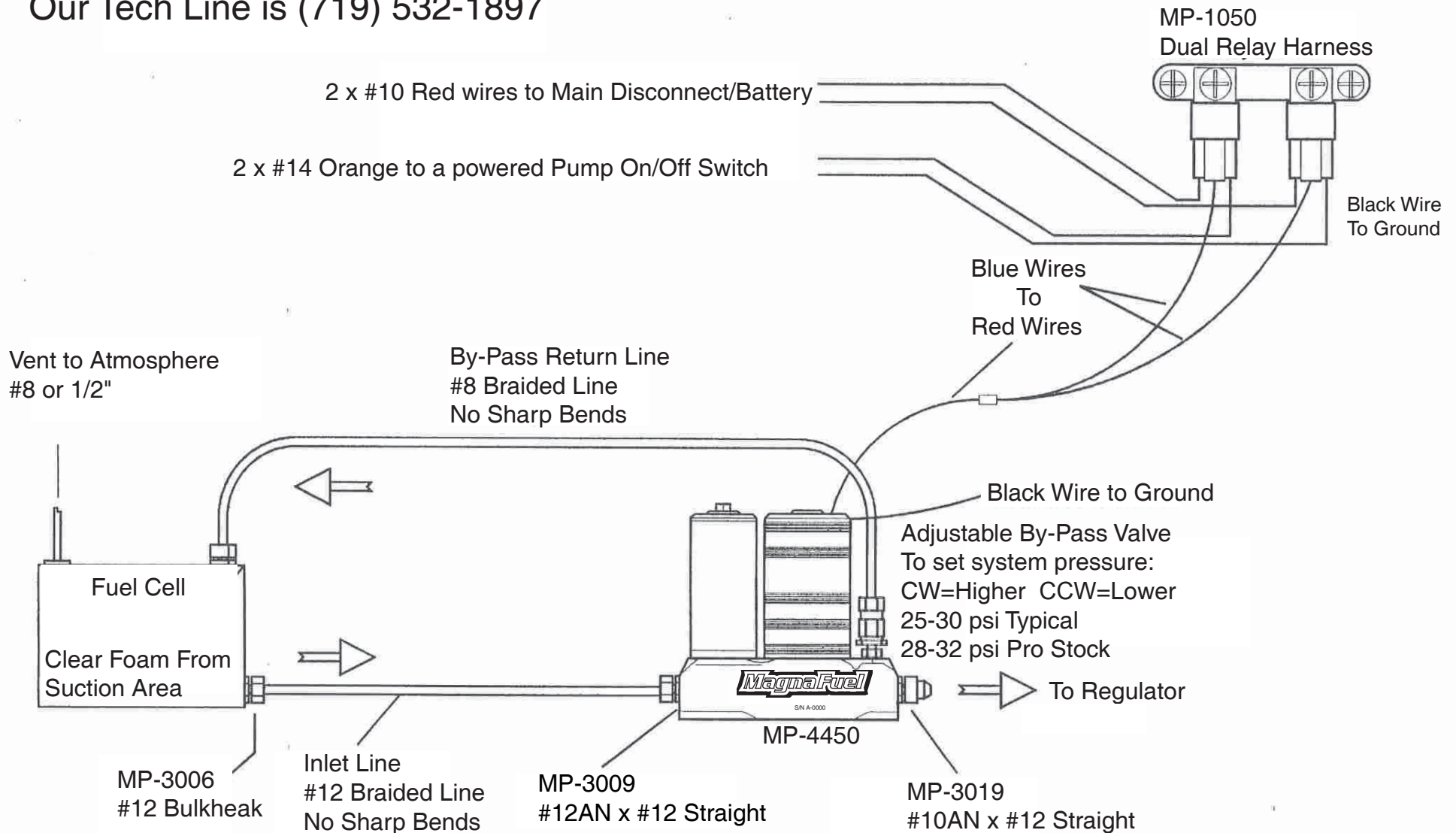
Installation:

We suggest installing the MP-4401 and MP-4450 fuel pumps like the plumbing diagram on the back of this page. The Pro Star 500 pump can be mounted in any position necessary. The pump does not need to be gravity feed and can be mounted a few inches above the fuel level if necessary. The dual relay is a redundant system and is optional. A single relay or 30 amp fuse is adequate. We suggest using our flow radiused fitting in all of our products to enhance and maximize the application.

MagnaFuel

MP-4450 or MP-4401
Wiring/Plumbing Schematic

Our Tech Line is (719) 532-1897



NOTE: Fittings are not pipe thread. Using pipe fittings will cause damage.
Filter: We recommend the use of a filter with all fuel pumps.