



ProTuner Intank Series

MP-4310, 4311 & 4312 Installation Instructions

10" Deep 10 Bolt Flange Fuel Cells, COPO, Drag Pak and Super Cobra Jet Direct Replacement

The accompanying **MagnaFuel** fuel pump is designed for vehicles NOT subject to emission controls.

We recommend installation be carried out by a professional installer. Installation of this product requires handling gasoline. Ensure you are working in a well ventilated area with an approved fire extinguisher on hand. Prohibit smoking, extinguish all open flames and eliminate all sources of ignition in the area around the vehicle before proceeding with installation. Always wear safety eyewear and other safety apparel when installing this product to protect you from spraying fuel and debris.

The ProTuner series fuel pump is a continuous run pump and can be used for street driving. ProTuner Series fuel pumps are compatible with all racing gasolines, Pump gas and E85. ProTuner Series pumps **should not be used with Methanol.**

ProTuner Series pumps utilize ORB ports **NOT PIPE THREADS**. No thread sealant is required. You must install ORB fittings with O-rings to seal the fuel pump. We recommend *MagnaFuel* flow radius ORB fittings. Pump outlet is -8 ORB port.

Kit includes:

- 1 x ProTuner Fuel Pump
- 1 x MP-FL450300 74 Micron Filter Sock
- 1 x MP-3040 Filter Sock Fitting
- 1 x Pump Retainer Ring
- 1 x Pump Rubber Gasket
- 10 x Pump Mount Screws
- 10 x Teflon Washers
- 2 x Retainer Ring Mount Screws

This pump assembly is designed to work in tanks with a 10" depth. In cases of replacing another brand product in a COPO, Drag Pak, Super CobraJet or 10" Depth Fuel Cell installation is simple.

Remove the 10 mounting screws from the existing fuel pump. Remove the 2 retaining ring screws and the retaining ring from inside of the tank. Install the *MagnaFuel* supplied retaining ring inside the tank and secure with 2 countersink screws supplied. Use of thread sealant on screws will prevent leaks.

Install the MP-3040 fitting into the pump inlet port. Now slide the MP-FL450300 Filter Sock onto the fitting. It will bottom out against the fitting step.

Now install the pump with gasket into the tank. Align the mounting holes in the pump with those in the retaining ring. Take the supplied screws and Teflon washers and tighten them down. Do not overtighten to avoid damage to the washers.

The ProTuner Series pump should be wired using 10-12 gauge wire. #10 ring tongues are suggested to attach wires to the pump. Relays are recommended, but not required. ProTuner Series pumps require 25-30 amp fuses in addition to the relay.

MagnaFuel recommends, for applications over 1000HP use of -10 outlet hose. *MagnaFuel* recommends part #MP-3016 -10an x -8 straight fitting. It is machined so that the ID of the fitting is equal to the ID of the -10 hose. So there is no restriction. Fuel tank venting has to be -8 or ½" or larger for ProTuner Series pumps.

The ProTuner Series pumps **DO NOT** bypass internally and must be accompanied by a return style fuel pressure regulator. *MagnaFuel* has a full line of bypass style fuel regulators for EFI and Carb applications. Call for more info.

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