

INSTALLATION INSTRUCTIONS

O.E. REPLACEMENT (MICRO) ELECTRIC FUEL PUMPS

Mr. Gasket Part No. 12S and 42S

READ ALL INSTRUCTIONS CAREFULLY BEFORE BEGINNING INSTALLATION. RECOMMENDED FOR ORIGINAL EQUIPMENT REPLACEMENT AND NEGATIVE GROUND SYSTEMS ONLY. NOT FOR USE WITH FUEL INJECTED SYSTEMS, HIGH PERFORMANCE OR MODIFIED ENGINES, AIRCRAFT OR MARINE APPLICATIONS OR DIESEL FUEL. A FUEL PRESSURE REGULATOR IS HIGHLY RECOMMENDED.

GENERAL INFORMATION

The Mr. Gasket (Micro) Electric Fuel Pumps #12S and #42S are gravity feed pumps designed for original equipment replacement on carbureted cars, trucks, industrial equipment and farm equipment, including lawn and garden. It also works for fuel transfer systems in gasoline applications as well as a booster pump for an existing mechanical fuel pump. Pump is self-priming, with a two bolt and two wire installation. Average 2 amp draw at maximum delivery.

#12S is a universal design for most domestic 4, 6 and 8 cylinder carburetor applications. Operating fuel pressure range for #12S is 4 – 7 PSI and flow is 35 GPH.

#42S is a universal design for most import 4 and 6 cylinder carburetor applications. Operating fuel pressure range for #42S is 2 – 3.5 PSI and flow is 28 GPH.

MOUNTING PROCEDURE

Step 1

Make sure the fuel tank is very close to empty. Drain if needed. Inspect the current fuel line – if it is cracking, replace it with a new fuel rated hose. Install supplied in-line filter to prevent small particles from entering the pump. We highly recommend installing a filter as well between the carburetor and fuel pump to prevent small particles from entering the carburetor. If you choose to no longer use your mechanical fuel pump, make sure to install a block-off plate or plug the pump inlet and outlets. All fuel line connections should be leak-proof.

Step 2

Mount the pump about 12" from the fuel tank and as close to the lowest level of the tank to ensure proper fuel supply. Refer to Figure 1. Make sure mounting area is clean of all rust, paint and grease.

Step 3

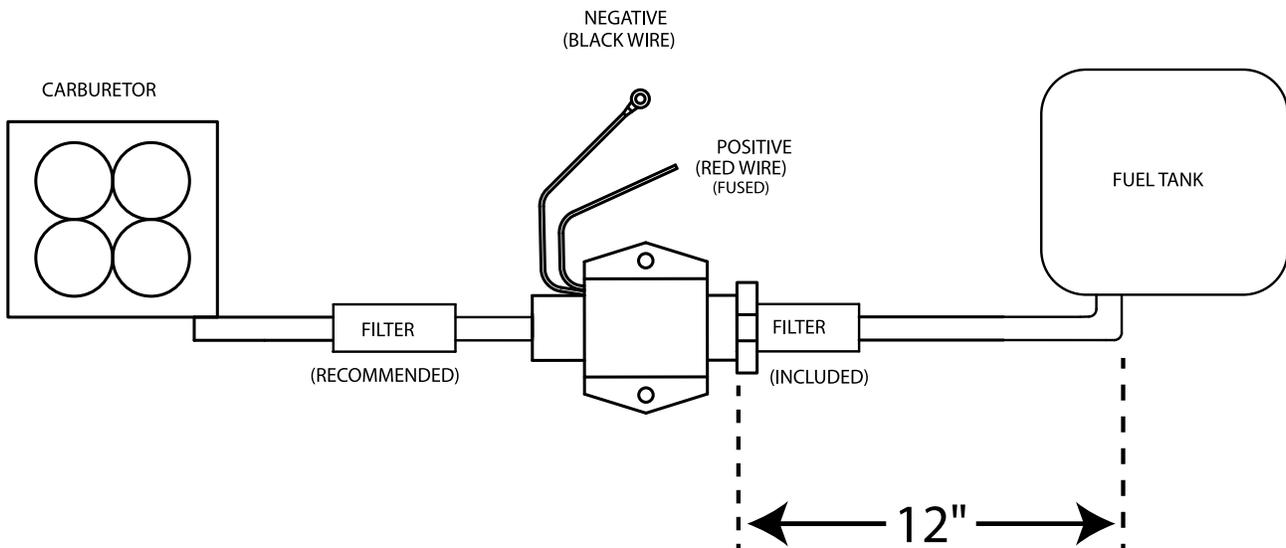
Using the pump mounting bracket as a template, drill two 7/32" holes. Next, use the supplied self-tapping bolts and star washers to secure the pump and ground lead to the frame. Always mount the pump in a location that allows you to add the safety nuts provided. Install the supplied filter in the pump inlet and install outlet fitting using thread sealer and tighten to 10-ft-lbs.

NOTE: Never install pump in engine compartment.

Step 4

Attach the hose to the inlet side of the supplied filter using automotive quality hose clamps. Some tank outlets may have 3/8" instead of the supplied 5/16" fittings. You may need to purchase one 3/8" barb x 1/8" NPT x 3/8" length. If using 3/8" fitting, you may need to purchase a 3/8" filter. **DO NOT USE PUMP WITHOUT A FILTER.** Install the correct size fuel line from the outlet port on the fuel pump to the factory metal fuel line going to the engine bay. If no fuel line exists, fabricate a hard line from the pump to the engine compartment. **NOTE: Never run rubber fuel line from the rear of the vehicle to the front. Always minimize use of rubber hose. When possible, use steel hard line.**

FIGURE 1:



Step 5

Make sure to use the red lead for 12 Volt power (fused 5 amp max) and the black lead for ground. The red positive lead needs to be connected to the switched ignition terminal. Use a 5 amp fuse or in-line fuse holder. Use only automotive grade electrical cable - minimum 16 gauge. If wire is run over 20 feet, use 14 gauge. Ensure that all connections are secured and sealed from the elements.

NOTE: This pump is for negative ground systems only.

Step 6

Inspect and tighten all connections before start up. Turn the key to the on position to prime, and leave on for 10 seconds, then turn off. Inspect for fuel leaks. If leaks are present, re-tighten clamps and restart. Let the vehicle run for several seconds, then turn off and re-inspect for leaks. Check pump and fuel line connections every 5,000 miles.

QUESTIONS

Please call our Tech Support line at 1-270-781-9741, M – F, 9 – 5 CST. Please have the part number on hand when you call.

MR. GASKET LIMITED NINETY (90) DAY WARRANTY

Mr. Gasket which includes ACCEL, Hays, Lakewood, Mallory and Mr. Gasket product lines, warrants its products only to the original purchaser at retail to be free from defects in material and workmanship for a period of 90 days from the date of original retail purchase, except that the following products have longer warranty periods:

WHO IS COVERED:

The warranty extends to original purchaser at retail only, with a proof of purchase.

WHAT IS COVERED:

All parts which are defective in materials or workmanship on original installation only, subject to the following:

WHAT IS NOT COVERED:

1. Products which have been subjected to abuse, accident, alteration, modification, improper installation, improper operational adjustments, tampering, negligence, misuse, or if repaired or serviced by anyone other than Mr. Gasket.
2. Actual or alleged labor, transportation or other incidental charges.
3. Actual or alleged consequential damages incurred by use of this product.

WHAT WE WILL DO:

Mr. Gasket at its election, will either repair or replace all defective parts free of charge.

WHAT YOU MUST DO FOR THE WARRANTY SERVICE:

In the event that the original purchaser detects a defect in the material or workmanship, the product(s) in question must be returned by the original retail purchaser to the place of original purchase for warranty determination. In the event that the purchaser does not receive satisfaction from the place of original purchase or in the event there are any questions with regard to this limited warranty, please contact the Technical Service Dept., Mr. Gasket, 1801 Russellville Road, Bowling Green, KY 42101 or call 270-781-9741. Do not send alleged defective parts to Mr. Gasket without prior approval to do so. If such approval is obtained, the defective part and proof of purchase should be sent, postage prepaid, to Mr. Gasket, at the above address.

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