



Installation Manual

Universal Mechanical Fuel Pump

PFEFS11500



WARNING: PLEASE READ ALL INSTRUCTIONS BEFORE PROCEEDING. PROFLOW WILL NOT BE RESPONSIBLE FOR ANY DAMAGE AS A RESULT OF THE INCORRECT INSTALLATION OF THIS PRODUCT. IT IS RECOMMENDED THAT A QUALIFIED AUTOMOTIVE TECHNICIAN PERFORMS THIS INSTALLATION.

Description:

Proflow Performance's mechanical belt driven fuel pump utilizes o-ring sealed -10AN ports which do not use thread sealant. It is recommended only to lubricate the o-rings on your fittings before use.

A 100 micron fuel filter is recommended to be installed between the fuel tank and fuel pump inlet as well as either a 10 or 40 micron fuel filter after the pump outlet (PFEFS301B).

Ensure this pump has a good gravity feed from the fuel tank to ease priming. A minimum fuel line supply and return size of AN10 is recommended. A high flowing fuel pressure regulator is highly recommended (PFEFS13110 or PFEFS13113).

Power Ratings:

Fuel Blend	Carburetted (NA)	Fuel Injection (Boosted)
Unleaded	3000 HP	2500 HP
E85	1800 HP	1600 HP
Methanol	1000 HP	900 HP

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Typical Installation:

This mechanical fuel pump should be mounted as low as possible on the vehicle to ease fuel pump priming. The fuel pump should turn at roughly half of the engine speed. It is recommended that a 28-tooth pulley on the pump and a 14-tooth pulley on the crank shaft is used.

1. Relieve the fuel system pressure and disconnect the negative battery terminal from the battery.
2. Find a suitable place on the engine to mount the Proflow fuel pump. Make sure the location of the pump is clear of all hot engine components and is clear of any other moving drivetrain components.
3. Determine which direction the fuel pump shaft will rotate. The direction that the shaft is rotating will determine which port is the inlet and which is the outlet. Using the below example figures as a reference, identify the inlet and outlet ports.

If the fuel pump shaft is rotated in a clockwise direction as viewed from the rear of the pump, the inlet and outlet ports will be as shown in Figure 1a. If the fuel pump shaft is rotated in a counter clockwise direction, the inlet will now become the outlet as seen in figure 1b.

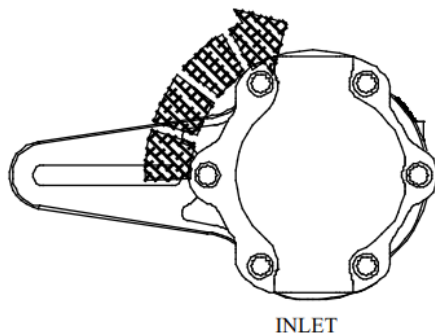


Figure 1a

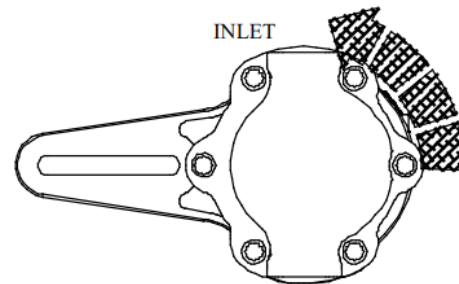


Figure 1b

4. Connect the fuel cell to the fuel filter inlet with a minimum hose size of AN10 and then connect the fuel filter outlet to the fuel pump inlet.
5. Connect the fuel pump outlet to the vehicles fuel system while using either a 40 or 10 micron size fuel filter.
6. Turn the engine over without starting the engine to allow the fuel pump to prime for a few seconds and check the fuel pressure. If there is no fuel pressure, wait 60 seconds and then turn the engine over again until there is fuel pressure detected.

PROFLOW LIMITED WARRANTY

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This Proflow product is warranted to be free from defects in materials and workmanship for a period of one year from the original date of purchase. No warranty claim will be valid without authentic, dated proof of purchase. This warranty is to the original retail purchaser and none other and is available directly from Proflow and not through any point of distribution or purchase.