ELECTRONIC IGNITION SYSTEMS

The EFI system is a complete electronic engine management system for light aircraft engines. The EFI system can be used in any Experimental category aircraft using one of these engines. The EFI system is very similar to what you would find on any modern automobile engine. It is a computer controlled electronic fuel injection and electronic ignition system. The system is controlled by an ECU (the computer) and incorporates a fully mapped fuel curve and ignition timing curve. The electronic fuel injection portion of the system utilizes an electronic fuel injector valve that is installed into each intake tube, just under the engine cylinder. A throttle body replaces the typical carburetor or mechanical injector butterfly assembly. The electronic ignition portion of the system utilizes high energy inductive ignition coils instead of magneto eyes that produce a very strong and efficient spark to each plug. The EPA has recently started the rules making process to decide the timeframe to mandate Unleaded Avgas. If you have an EFI system on your engine, you will already be compatible with the new fuel.

SINGLE MAGNETO REPLACEMENT IGNITION

Electronic ignition systems for Lycoming engines have been around for awhile but this may be a better idea - you be the judge. The manufacturer has taken the core control system of the EFI fuel injection system and pared it down to the ignition components. This allows them to offer a single magneto replacement high energy ignition system for your aircraft. And what is unique about that you ask? Well, the EFI system uses a very high energy inductive coil pack to deliver several times the spark energy of the most popular competitor system for more complete combustion. Secondly, once you have installed one of these ignition systems, you have opened the door for an easy upgrade in the future to the full electronic fuel injection and ignition EFI system. You can start now with a single or dual magneto replacement ignition that utilizes their biillet Hall effect crank trigger and proven engine computer and simply add the rest of the EFI fuel injection kit in the future if you choose to do so. This easy migration path between systems can not be matched by any other ignition or fuel injection company.

BUS MANAGER

This Bus Manager is an important safety device for aircraft that have critical electronics that require a protected essential bus. This would include aircraft that are running electronic fuel injection, electronic ignition, electric fuel pumps, or critical instrumentation. Provides a triple redundant essential bus for all critical electronic equipment. This redundancy is crucial for engines that rely on uninterrupted +12V power to critical items. The end user no longer has to attempt to come up with a home brew bus system for their plane. The Bus Manager has been professionally designed and over-built to faithfully provide extreme reliability.

BUS MANAGER ACCESSORY KIT

The Accessory Kit for the Bus Manager consists of all the parts necessary to setup a Bus Manager based electrical distribution system for experimental aircraft.

ELECTRIC BOOST PUMP MODULE

The EFI Boost Pump Module (BPM) brings a new level of installation simplicity and functionality to the fuel system of your aircraft equipped with Bendix, AFP or Precision Airmotive type mechanical fuel injection. The BPM reduces a time consuming and frustrating plumbing job to a simple and clean, easy to set up installation. It is used to supply a steady source of 30PSI fuel to your engine during take-off, landing, priming, or emergency situations. The BPM has integral back flow prevention and pressure regulation valving.

P/N 07-01852 .............$595.00

P/N 07-01853 .............$145.00

P/N 07-01849 .............$4,985.00

P/N 07-01851 ..........$1,945.00

Prices Subject to Change Without Notice

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333