

Instructions for Continued Airworthiness (ICA)

Part Number: TimeTrac P/N 5500

Revision: 1.4

Date: 4/29/09

INTRODUCTION: Modification of an aircraft by this Supplemental Type Certificate obligates the aircraft operator to include the maintenance information provided by this document in the operators Aircraft Maintenance Manual and the operators Aircraft Scheduled Maintenance Program. The items contained in this document are applicable to any aircraft with the installation of the P2, Inc Aviation Technology TimeTrac, P/N 5500. Any changes to this document will be made available via mail, email or downloaded via web site.

DESCRIPTION: TimeTrac is a fully integrated hardware and software package that is used for the purpose of aircraft maintenance tracking. The system consists of (1) a small, FAA/PMA approved electronic data recording device that is installed on the aircraft and (2) a computer program that sorts out the stored records and presents them in a useful manner to the end user.

The hardware receives GPS/LORAN serial data and records and stores events from each flight. These events are times and locations for power-up, power-down, departure (takeoff) and arrivals (landing). It is powered by normal electrical power and does not need to be turned on or off by the operator. It can also be synched to an airspeed switch and/or hour meter. Data is downloaded through a serial connection on the aircraft to a personal computer.

Once the flight data has been downloaded into the PC, the appropriate flight times are applied to each life-limited component that has been entered.

SETUP AND DOWNLOADING DATA: Communication with the TimeTrac hardware is accomplished via a PC (Windows or Mac) on which the TimeTrac software resides.

- (1.) Make sure that the aircraft is powered down (no power to the buss providing current to the TimeTrac hardware).
- (2.) Connect a straight, 9-pin serial cable from the download port (9-pin female serial connector) on the aircraft to the PC.
- (3.) Power up the PC and open the TimeTrac application.
- (4.) From the Main Menu, click once on the DOWNLOAD FLIGHT DATA bar.
- (5.) Within 60 seconds, power up the TimeTrac hardware.
- (6.) Follow the on screen instructions.

CONTROL: None

SERVICING: The internal clock battery has an expected life of 8-10 years. In order to insure clock accuracy, this battery must be replaced within this time frame. This battery IS NOT field-replaceable. The TimeTrac unit must be removed from the aircraft and shipped back to the factory for this replacement. Consult the aircraft logs and/or weight and balance information for the actual location of the unit. No special tools are required for hardware removal.

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MAINTENANCE INSTRUCTIONS: During annual or other routine inspections, conduct an inspection of system for security.

TROUBLE SHOOTING INSTRUCTIONS: If the TimeTrac hardware is suspected to be malfunctioning, a separate CD with the name of TimeTrac Utility is provided to assist in troubleshooting problems. This application was provided with the installation package and can also be downloaded from the P2 web site free of charge. The TimeTrac Utility software provides detailed testing of all functions as well as diagrams and instructions on how to correct any problems.

HARDWARE REMOVAL AND REPLACEMENT INFORMATION

To Remove:

- (1.) Remove electrical power to the unit.
- (2.) Remove the two screws that secure the 9-pin connector to the TimeTrac unit.
- (3.) Remove the four attaching screws that hold the unit to the aircraft.

To Reinstall:

- (1.) Remove electrical power to the unit.
- (2.) Attach the TimeTrac unit to the aircraft with the four attach points with the furnished hardware.
- (3.) Connect the 9-pin connector to the TimeTrac with the two screws provided.

SPECIAL INSPECTION REQUIREMENTS: None applicable.

DRAWINGS: Detailed wiring diagrams are provided with the TimeTrac Installation Manuals 5500-HIM (airplane) and 5500H-HIM (helicopter) are to be used as a reference and should be retained along with this document after installation.

AIRWORTHINESS LIMITATIONS: No additional airworthiness limitations.

The Airworthiness Limitations section is FAA approved and specifies maintenance required under Secs. 43.16 and 91.403 of the Federal Aviation Regulations unless an alternative program has been FAA approved.