AD/ELECT/60 Precise Flight Incorporated Pulselite 9/93

Applicability: Precise Flight Incorporated, Pulselite Units Model 1210-2405-2 serial numbers X00150 through X01371 inclusive.

Note: These units may be installed in various small aircraft in accordance with FAA Supplemental Type Certificate SA4005NM.

Requirement:

1. Either, remove from service all Pulselite units identified in the applicability statement and return the aircraft to its original state or replace the Model 1210-2405-2 units with Model 1210-2405-2A units in accordance with Precision Flight Incorporated Service Bulletin PL9303001 dated 10 March 1993.

2. New installations of Model 1210-2405-2 Pulselite units are prohibited.

Note: FAA AD 93-12-04 Amdt 39-8610 refers.

Compliance: Requirement 1 - Prior to 19 August 1994.

Requirement 2 - Effective 19 August 1993.

Background: The manufacturer has received reports of Pulselite units overheating and failing due to under-rated transistors, together with location of the transistors relative to the heat sink fins. The overheating may lead to a pungent smell followed by smoke entering the cockpit and in the worst case the possibility of enough heat being generated by the unit to damage surrounding areas. Compliance with this Directive decreases the likelihood of overheating of the units occurring. The compliance time required by the FAA has been extended by one calendar month.