

# UNAPPROVED PARTS NOTIFICATION



SUSPECTED UNAPPROVED PARTS PROGRAM OFFICE, AVS-20  
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U.S. Department  
of Transportation  
**Federal Aviation  
Administration**

*UPNs are posted on the Internet at <http://www.faa.gov/avr/sups/upn.cfm>*

No. 2004-00076  
January 18, 2005

Mailed by: FAA, AIR-140, P.O. Box 26460, Oklahoma City, OK 73125

## AFFECTED PARTS

Alternators, generators, and starters.

## PURPOSE

The purpose of this notification is to advise all aircraft owners, operators, manufacturers, maintenance organizations, and parts suppliers and distributors regarding improper maintenance performed on aircraft alternators, generators, and starters.

## BACKGROUND

Information received during a Federal Aviation Administration (FAA) suspected unapproved parts investigation revealed that between August 2001 and February 2004, FLAC Industries, Inc., d/b/a Falcon Aircraft Accessories (FLAC), located at 4610 Fighter Aces Drive, Mesa, AZ 85215, improperly maintained and approved for return to service alternators, generators, and starters applicable to various types of aircraft. FLAC holds FAA Air Agency Certificate No. F8ZR871Y.

Evidence indicates that FLAC had approved for return to service starters, generators, and alternators with installed armatures, stators, and rotors that had been rewound without using FAA-acceptable or –approved data. Evidence also indicates that alternators had been approved for return to service without the replacement of parts, as required by current manufacturers’ maintenance manuals.

The following table is a *partial list* of accessories that may have been improperly approved for return to service by FLAC.

Work Order Number	Return-to-Service Approval Date	Accessory Name	Manufacturer	Assembly Part Number	Assembly Serial Number
2361	10/17/03	Alternator	Electrosystems	ALX-8521LS	B100153
2362	09/05/03	Alternator	Electrosystems	ALX-6521LS	A122878
2472	10/29/03	Alternator	Prestolite	ALY-6522R	A111181
2503	11/10/03	Alternator	Electrosystems	ALX-9524	A041962
2547	12/30/03	Generator	Delco	1101912	FA811A
2564	12/17/03	Alternator	Prestolite	ALY-6421	FA822A
2577	12/22/03	Starter	Prestolite	MCL-6501	9K000023
2581	12/23/03	Generator	Delco	1101898	FA827A
2593	12/29/03	Starter	TCM	646238	A04239903
2594	12/29/03	Starter	Prestolite	MZ-4204	FA839A
2595	12/30/03	Alternator	Prestolite	ALY-6421	FA840A
2598	12/30/03	Alternator	Prestolite	ALY-8420	FA842A
2598-1	12/31/03	Starter	Prestolite	MHB-4018	A149604
2599	01/02/04	Alternator	Ford	DOFF10300B	FA843A
2682	02/03/04	Alternator	Ford	DOFF10300J	FA873A
2700	02/10/04	Starter	Delco	1109657	4730
2701	02/10/04	Starter	Delco	1109657	9315

### **RECOMMENDATIONS**

Regulations require that type-certificated products conform to their type design. Aircraft owners, operators, manufacturers, maintenance organizations, and parts suppliers and distributors should inspect their aircraft, aircraft records, and/or parts inventories for any alternators, generators, or starters approved for return to service by FLAC. Suspect products and parts installed on aircraft should be inspected for conforming to type design. If any are found in existing stock, it is recommended that the products or parts be quarantined to prevent installation until a determination can be made regarding each part's eligibility for installation.

### **FURTHER INFORMATION**

Further information concerning this investigation and guidance regarding the above-referenced parts may be obtained from the FAA Flight Standards District Office (FSDO) given below. The FAA would appreciate any information regarding the discovery of the above-referenced parts from any source, the means used to identify the source, and the action taken to remove the parts from aircraft and/or stock.

This notice originated from the FAA Scottsdale FSDO, 17777 N. Perimeter Drive, Suite 101, Scottsdale, AZ 85255, telephone (480) 419-0330, fax (480) 419-0800; and was published through the FAA Suspected Unapproved Parts Program Office, AVS-20, telephone (703) 668-3720, fax (703) 481-3002.