

# UNAPPROVED PARTS NOTIFICATION

SUSPECTED UNAPPROVED PARTS PROGRAM OFFICE, AVR-20  
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DULLES, VA 20166-7541



U.S. Department  
of Transportation  
**Federal Aviation  
Administration**

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## **AFFECTED PART**

Engine generator rotor shaft.

## **AFFECTED AIRCRAFT**

Boeing 747.

## **PURPOSE**

The purpose of this notification is to advise all aircraft owners and operators, maintenance organizations, manufacturers, and parts distributors regarding rotor shafts, part no.1547114-1-RE, manufactured by Reverse Engineering, Inc., without holding a Federal Aviation Administration (FAA) production approval.

## **BACKGROUND**

Information received during a FAA suspected unapproved parts investigation indicated that Reverse Engineering, Inc., located at 10603 SW 128<sup>th</sup> Place, Miami, FL 33186, manufactured approximately 43 rotor shafts, part no.1547114-1-RE, and sold them as replacement parts for installation in Allied Signal generators (part nos. 28B263-5-C, 5-D, 13-A, and 13-B). Reverse Engineering, Inc., previously held a FAA production approval to produce the rotor shafts as replacement parts for International Sales and Service, part no. 1547114-1-ISS. Reverse Engineering, Inc., did not, however, hold a production approval to produce replacement parts for installation in Allied Signal generators.

### **Affected Part Serial Numbers**

Part Name: Rotor Shaft

Part Number: 1547114-1-RE

<b>Serial Numbers</b>	<b>Ship Date</b>
001 - 008, 010 - 012, 014 - 016, 025, 029, 036 - 041	May 12, 1999
013, 020, 022, 024, 026 - 028, 030 - 032, 034 - 035	May 20, 1999
009, 017 - 019, 021, 023, 033	September 2, 1999
042 - 043	September 11, 1999

## **RECOMMENDATIONS**

Regulations require that type-certificated products conform to their type design. Aircraft owners, operators, maintenance organizations, manufacturers, and parts distributors should inspect their aircraft, aircraft records,

and/or parts inventories for the above-referenced rotor shafts produced by Reverse Engineering, Inc., and sold as eligible for installation in Allied Signal generators. If installed, the above-referenced rotor shafts should be considered suspect, and the parts inspected and/or removed as appropriate. If any of the rotor shafts are found in existing parts inventories, it is recommended that the parts be quarantined to prevent installation until a determination can be made regarding each part's eligibility for installation.

In determining a part's eligibility for installation, it is further recommended that you request from the manufacturer any documentation showing that the part meets the design approval for the intended application and that the part was produced under a quality system approved by the FAA.

**FURTHER INFORMATION**

You may obtain further information from the FAA Manufacturing Inspection District Office (MIDO) listed below. That office would appreciate any information that you could provide concerning the discovery of these parts from any source, the means used to identify the source, and the actions taken to remove the parts from aircraft and/or stock. This notice originated from the Orlando MIDO, 5950 Hazeltine National Drive, Rm. 405, Orlando, FL 32822, telephone (407) 855-9050, fax (407) 438-1900; and was published through the FAA Suspected Unapproved Parts Program Office, AVR-20, telephone (703) 661-0581, fax (703) 661-0113.