

UNAPPROVED PARTS NOTIFICATION

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

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AFFECTED PARTS

Pratt & Whitney JT3D and JT8D Engines

PURPOSE

This Unapproved Parts Notification advises all aircraft owners, operators, manufacturers, maintenance entities, and parts distributors regarding improper repairs performed on JT3D and JT8D aircraft engines, engine parts, and associated gearbox assemblies.

BACKGROUND

An October 1996 Federal Aviation Administration (FAA) inspection revealed that A.O.G. Enterprise, Inc. (A.O.G.), 8049 NW 66th Street, Miami, FL 33166, performed improper overhauls, repairs, and modifications. The inspection revealed certain work performed by A.O.G. was outside their repair station ratings and performed without use of current data, qualified personnel, and required equipment. A.O.G. previously held Air Agency Certificate No. OGJR766L.

A subsequent FAA suspected unapproved parts investigation (which included an original equipment manufacturer's shop tear-down and analysis of engines overhauled by A.O.G.) revealed the following areas of concern:

- (a) **Antigalling compound** improperly applied to compressor disks and blades without use of current data.
- (b) **Engine bearings** returned to service without proper cleaning and inspection.
- (c) **Combustion chambers** not properly inspected by non-destructive testing.

RECOMMENDATION

Regulations require that type-certificated products conform to their type design and be properly maintained using current data, required equipment, and appropriately trained personnel. Aircraft owners, operators, manufacturers, maintenance entities, and parts distributors should inspect their aircraft and/or parts inventory for any engines or parts overhauled or approved for return to service by A.O.G. You should take appropriate action if any of these parts have been installed in an engine. If any existing inventory includes these parts, the FAA recommends that you quarantine the parts to prevent installation in aircraft until a determination can be made regarding each part's eligibility for installation.

FURTHER INFORMATION

Further information may be obtained from the FAA Flight Standards District Office (FSDO) shown below. The FAA would appreciate any information regarding the discovery of the above-referenced unapproved parts from any source, the means used to identify the source, and the action taken to remove them from inventory or service. Also, the FAA would appreciate information concerning premature engine failures attributed to the above-referenced repairs or overhauls.

This notice originated from the Miami FSDO, 8600 NW 36th Street, Suite 201, Miami, FL 33166, telephone (305) 716-3400, fax (305) 716-3456; and was published through the FAA Suspected Unapproved Parts Program Office, AVR-20, telephone (703) 661-0581, fax (703) 661-0113.