

UNAPPROVED PARTS NOTIFICATION



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

SUSPECTED UNAPPROVED PARTS PROGRAM OFFICE, AVR-20
45005 AVIATION DRIVE, SUITE 214
DULLES, VA 20166-7541

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

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AFFECTED ENGINES

Rolls-Royce Allison 501 D-13 turbine engines.

PURPOSE

The purpose of this notification is to advise aircraft owners and operators, maintenance organizations, manufacturers, and parts distributors regarding the production and sale of non-conforming turbine engine thermocouple probes (part number 6855381).

BACKGROUND

Information received during a Federal Aviation Administration (FAA) suspected unapproved parts investigation indicated that T.V.K. Aviation Supply, Inc. (TVK), located at 8625 NW 54th Street, Miami, FL 33166, sold non-conforming turbine engine thermocouple probes (part number 6855381).

Some of the thermocouple probes were sold in bulk in clear plastic bags without labels, and others were individually packaged in Pacific Sky Supply, Inc., packaging. Pacific Sky Supply, Inc., holds a parts manufacturer approval (PMA) to produce the thermocouple probes (part number 6855381). The suspect thermocouple probes may be identified by any of the following irregularities:

- The sealed packages have an additional 1" x 3" label affixed to them, which displays the part number. Some of these labels are on the back of the packages and others are on the front, partially covering Pacific Sky Supply, Inc., labels. Pacific Sky Supply, Inc., has its name pre-printed on its packages.
- The 1" x 3" labels are carefully peeled back to reveal what appear to be razor cuts in the outer packaging. The 1" x 3" labels are not from Pacific Sky Supply, Inc.; their labels are 3" x 4".
- The non-conforming thermocouple probes may be packaged as loose parts that at first appear to be conforming. However, Pacific Sky Supply, Inc., wraps their thermocouple probes in a moisture barrier paper sealed in plastic. They are then sealed in individual packages.
- The length of the thermocouple probes from the centerline of the hole to the bottom of the part may be short; the chamfers may be over- or under-sized; and tool marks may appear on the radius or other areas of the parts.

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 thermocouple probes sold by TVK. If installed, these thermocouple probes should be considered suspect and the parts inspected and/or removed as appropriate. If

any of the thermocouple probes are found in existing parts inventories, the FAA recommends that the parts be quarantined to prevent installation until a determination can be made regarding each part's eligibility for installation.

To determine a part's eligibility for installation, the FAA further recommends requesting any documentation from the manufacturer showing that the part meets the design approval for the intended application and that the part was produced under a FAA-approved quality system.

FURTHER INFORMATION

You may obtain further information from the FAA Flight Standards District Office listed below. That office would appreciate any information that you could provide concerning the discovery of these parts from any source, and the actions taken to remove the parts from aircraft and/or stock. This notice originated from the Miami FSDO-19, 8600 NW 36th Street, Suite 200, Miami, FL 33166, telephone (305) 716-3400, fax (305) 716-3458; and was published through the FAA Suspected Unapproved Parts Program Office, AVR-20, telephone (703) 661-0581, fax (703) 661-0113.