

AWB 01-14 Issue 1 - Turbine engine thermocouple probes - Part No. 6855381

AWB 01-14 Issue 1, 27 May 2002

Turbine engine thermocouple probes - Part No. 6855381

Effectivity

Rolls Royce Allison 501 D-13 turbine engines.

Purpose

The purpose of this AWB is to provide advise to aircraft owners, operators, manufacturers, maintenance and distribution organisations regarding the production and sale of non-conforming turbine engine thermocouple probes (Part Number 6855381).

Background

Information received from the FAA suspected unapproved parts investigation (No. 2001-00163) indicated that T.V.K. Aviation Supply, Inc (TVK) located at 8625 NW 54th Street, Miami, Florida 33166, sold non-conforming turbine engine thermocouple probes (Part Number 6855381).

Some of the thermocouples probes were sold in bulk in clear plastic bags without labels; 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 No. 6855381).

The suspect thermocouple probes may be identified by any of the following irregularities:

The sealed packages have an additional 1"x3" label affixed to them, which displays the part number. Some of these labels are on the back of the packages and some 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"x3" labels are carefully peeled back to reveal what would appear to be razor cuts in the outer packaging. The 1"x3" labels are not from Pacific Sky Supply, Inc.; their labels are 3"x4".

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 thermocouples probes in a moisture barrier paper sealed in plastic. They are then sealed in individual packages.

The length of the thermocouple probes from the centreline 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

Aircraft owners, operators, manufacturers, maintenance and distribution organisations should inspect their aircraft, aircraft records, and/or parts inventories for the above referenced thermocouples probes sold by TVK.

If installed, these thermocouples 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 parts should be quarantined to prevent installation until a determination can be made regarding the parts eligibility for installation.

To determine a parts eligibility for installation, the manufacturer should be sent a request for documentation 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

Further information may be obtained from the following FAA Flight Standards District Office:

Miami FSDO-19,
8600 NW 36th Street,
Suite 200, Miami,
FL 33166, USA.

The above office would appreciate any information that could be provided concerning the discovery of these parts from any source, and the actions taken to remove the parts from the aircraft and/or stock.