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SERVICE INFORMATION LETTER

APPLICABLE:



**MAINTENANCE
& ENGINEERING**



**FLIGHT
OPERATIONS**

FOR ALL AIRFRAME MANUFACTURERS USING
GENERAL AVIATION, GENERAL PRODUCTS
AND/OR AUXILIARY POWER UNITS,
OWNER/OPERATORS, DISTRIBUTORS, SALES
AND SERVICE ORGANIZATIONS, AND FIELD
SERVICE REPRESENTATIVES.

Applicable To: Auxiliary Power Unit, RE220[GX], using the Load Control Valve, Part No. 3291210-3

Subject: Introduction of a field cleaning procedure for the RE220[GX] Load Control Valve inlet filter Part No. 361666-3

Purpose: To reduce the number of Load Control Valve (LCV), P/N 3291210-3 unscheduled removals related to filter contamination.

Background: The Load Control Valve (LCV), P/N 3291210-3, utilizes APU bleed air to power open/close the LCV butterfly plate. The bleed air supply tube contains an inlet filter, P/N 3161666-3, to reduce the contamination into the LCV internal components. Due to the impurities contained in the bleed air, the inlet filter will become clogged over time. If the airflow through the inlet filter is impeded, operation of the valve can be affected. Extreme filter contamination may prevent the valve from opening to the commanded position.

Potential EICAS messages for a clogged filter are:

APU BLEED FAIL (status)

Potential CAIMS messages are:

LOAD CONT VLV [LCV POSITION VS CMD]

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Model/Series/Part Number covered in manual as necessary

Discussion: A procedure to clean the LCV inlet screen, removed from the LCV, and cleaned in the APU Line Shop has been released by Honeywell. It is recommended that this task be performed every 1000 APU hours or when the aforementioned faults are encountered. Operators may want to adapt the cleaning frequency which best supports their respective operations.

Actions: Reference Honeywell Component Maintenance Manual 49-54-03 for the APU LCV inlet filter cleaning procedure located in Temporary Revision 5, dated 06 September 2006.

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