

# Honeywell

Honeywell International Inc.  
P.O. Box 52181  
Phoenix, AZ 85072-2181  
U.S.A.  
CAGE: 99193  
Telephone: (800) 601-3099 (USA)  
Telephone: (602) 365-3099 (International)  
Web site: <https://pubs.cas.honeywell.com>.

## 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 SYS FAIL (Caution)

Potential CAIMS messages are:

LOAD CONT VLV [LCV POSITION VS CMD]

Potential CAIMS Fault Code Message is:

4960281APU

Copyright 2006, 2009 Honeywell International Inc. All rights reserved.

### Honeywell – Confidential

THIS DOCUMENT AND ALL INFORMATION AND EXPRESSION CONTAINED HEREIN ARE THE PROPERTY OF HONEYWELL INTERNATIONAL INC., ARE PROVIDED IN CONFIDENCE, AND MAY BE USED BY PERSONS REQUIRED BY FEDERAL AVIATION REGULATION PART 21.50 TO COMPLY WITH ANY OF THE TERMS OF THESE INSTRUCTIONS. EXCEPT AS SET FORTH ABOVE, NO PERSON MAY, IN WHOLE OR IN PART, USE, DUPLICATE OR DISCLOSE THIS INFORMATION FOR ANY PURPOSE WITHOUT THE PRIOR WRITTEN PERMISSION OF HONEYWELL INTERNATIONAL INC.

Oct 02/06

Revision 1, May 28/09

## SIL NO. APU-143

Page 1 of 2

# Honeywell

## SERVICE INFORMATION LETTER

RE220[GX] APU

**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.

Oct 02/06

Revision 1, May 28/09

### SIL NO. APU-143

Page 2