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SERVICE INFORMATION LETTER

Display Electronics Unit (DEU) 1, PN 4081600-930 and DEU 2, PN 4081600-940 Troubleshooting Guide

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SERVICE INFORMATION LETTER

Transmittal Information

Publication Number D201510000006

Summary

This is the INITIAL release.

Revision History

This service information letter has had no revision(s) as shown in Table 1.

Table 1. Revision History

Revision Number	Revision Date
0	20 Apr 2016

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SERVICE INFORMATION LETTER

1. General Information

A. Effectivity

- (1) This service information letter is applicable to the DEU 1, PN 4081600-930 and DEU 2, PN 4081600-940.

B. Reason

(1) Purpose

- (a) The purpose of this service information letter is to inform operators of troubleshooting steps available to potentially reduce no fault found (NFF) removals.

(2) Problem

- (a) DEUs are often removed for common display system (CDS) faults or display source faults but may not have been the cause of the fault.

(3) Solution

- (a) Honeywell has created a flow chart to walk operators through steps to determine if the DEU is faulty or not. Refer to Figure 1.

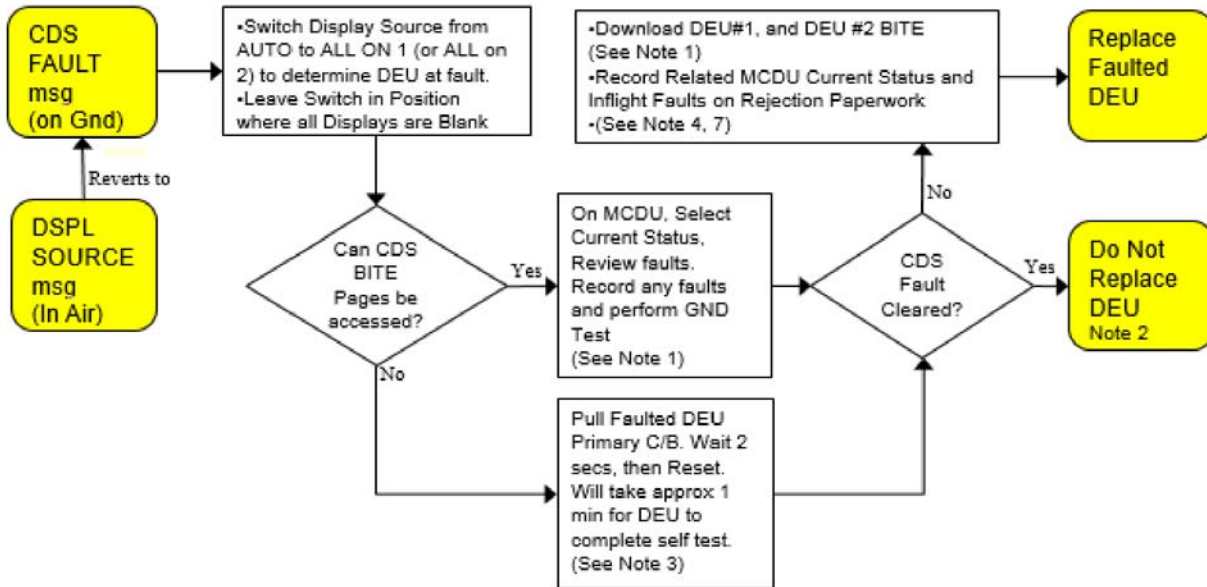
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Boeing 737-600/-700/-800/-900/BBJ

Display Electronic Unit (DEU) **Remove / Do Not Remove Check**

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- Note:** 1. Perform I.A.W Honeywell TNL C23-6621-002 2. Perform BITE download if investigation is required
 3. Do not pull hold-up C/B 4. Record Fault description, date, time, ALT, Airspeed, Pilot's report

- Note:** If needed to clear a CDS Fault, limit PRI C/B recycling to the following three reasons ONLY:
 A. After APU start B. BITE page cannot be accessed C. Not cleared after Safe-store

GROUND FAULT SAFE-STORING PROCEDURE

Note: Safe-store is performed to save faults which occur on the ground to the DEU memory, and make them available to be transferred to the downloaded BITE data extract. Safe-store must be performed **before** the DEU is powered down.

On the MCDU, MAINT BITE INDEX page:

1. Select <CDS	2. Select <DEU 1 (or <DEU 2)	3. Select <GROUND TESTS
4. Select <DEU X SELF-TEST	5. Select RUN SELF-TEST>	

NOTE: The MCDU page will show DEU SELF-TEST (3 MIN) OR DEU-X BITE INOP CHECK OR INTERFACE
 Do not be concerned with the inop/check message, which will transition to SELF-TEST IN PROGRESS.
 Then to PASSED or FAILED

6. Select <INDEX to exit OR Repeat safe-store procedure for the other DEU
 7. Send to AeroTechSupport@Honeywell.com, 855-808-6500

ID-594401

Figure 1. (Sheet 1 of 1) Troubleshooting Flow Chart

- (b) Honeywell has produced a product training video to show the steps detailed within the flow chart.

Refer to product training video: <https://youtu.be/NWQWkOdwXJE>

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C. References

- (1) To find, see, and download Honeywell Technical Publications, go to www.myaerospace.com.
- (2) The document(s) that follow(s) is/are recommended but not necessary for this service information letter. Unless specified differently, you can use subsequent revisions.
 - Component Maintenance Manual (CMM), ATA Number 31-61-27 (Publication Number C15-6621-003), Revision 11, Display Electronics Unit Digital Computer
 - CMM, ATA Number 31-61-79 (Publication Number C15-6621-016), Revision 1, DEU-II COMPUTER
 - Technical Newsletter, Publication Number C23-6621-002, Revision 2, Retrieve CDS BITE Onboard the Aircraft Using a Portable or Airborne ARINC 615 Data Loader.

D. Action

- (1) Refer to the training video in Paragraph 1.B.(3)(b) and Figure 1 for the troubleshooting flow chart, D200901000082.