


REV A	APPLICATION			REVISIONS		
	PRODUCT LINE	REV	DESCRIPTION	DATE	APPROVED	APPROVED
SH 1	IDU-III	A	Initial Release per DCN W3000	08/19/03	Vern Wallace	Dale Cureton
DWG. NO. 150-045435						

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APPROVALS	DATE					TITLE:	
DRAWN Robert Durall	08/19/03	SIZE A		CAGE CODE 1B7G3			
CHECKED Robert Durall	08/19/03					DWG NO. 150-045435	
PRODUCT MANAGER		ENGINEER Robert Durall		08/19/03			
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Typed signatures indicate approval. Handwritten signature approval of this document is on file at Wulfsberg Electronics, Prescott, Arizona.		SCALE: NONE		DO NOT SCALE DRAWING			



Wulfsberg Electronics
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SERVICE BULLETIN

EQUIPMENT: IDU-III

DATE: August 19, 2003

BULLETIN NUMBER: WSB IDU-III-4 Revision A

EFFECTIVITY

This service bulletin applies to the following:

LRU P/N	HDWR Mod	SWID
401-045500-[]	0101	4.0H (or lower)

REASON

This modification provides enhancements to the EFIS system operation.

DESCRIPTION

This modification updates the application software to 4.0J.

COMPLIANCE

Upon next scheduled maintenance.

WARRANTY INFORMATION

This modification is an enhancement and is not covered under warranty.

APPROVAL

This modification does not affect the original approval.

MANPOWER

Not Applicable.

REFERENCES

System Installation Instructions, 150-045264.

MATERIAL INFORMATION

The parts required to modify this unit in accordance with this Service Bulletin are available from Chelton Flight Systems at (208) 389-9959.

PARTS REQUIRED

ITEM	QTY	U/M	PART NUMBER	DESCRIPTION	REF
1	1	ea	320-145239-040J	Software Load Module, Update Image 4.0J	
1	1	ea	320-145951-0101	Software Load Module, Limits Update	

MODIFICATION PROCEDURE

CAUTION

ANY DISASSEMBLY/ASSEMBLY OF THIS UNIT MUST BE DONE AT A STATIC SAFE WORKSTATION. REMOVED MODULES SHOULD BE PLACED IN ANTISTATIC BAGS WHEN NOT INSTALLED IN THE UNIT.

NOTE: It is not required to update the IDU to software revision 4.0H if the IDU contains software revision 4.0F.

PFD MODIFICATION

1. If IDUs contain software revision 4.0H, proceed to Step 6.
2. Insert a SmartMedia card in the IDU with the Software Load Module, Limits (P/N 320-145951-0101).
3. Apply power to the IDU and verify the Ground Maintenance menu is displayed.
4. Select item "B" to update the EFIS limits.

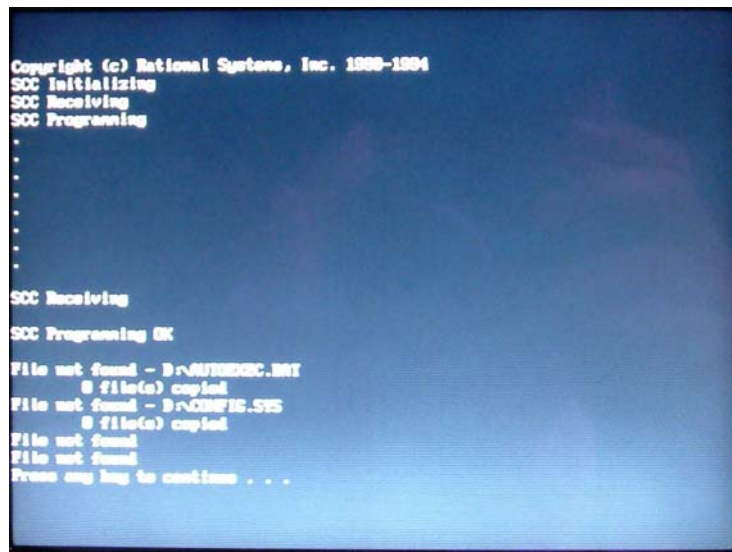


Figure 1 Completed IDU Limits Programming

5. Follow instructions displayed on screen.
6. Remove power from the IDU after the Ground Maintenance menu is displayed.

NOTE: Updating EFIS software to version 4.0J requires the selection of “Version 2” in the IDU Limits program. It may be necessary to reload the IDU limits for any functions that are available in the in the new EFIS software. Refer to EFIS System Installation Instructions (Doc. 150-045264), Chapter 4 for IDU Limits programming options.

IDU (PFD AND MFD MODIFICATION)

7. Insert a SmartMedia card in the IDU with the Software Load Module, Update Image 4.0J (P/N 320-145239-040J).
8. Apply power to the IDU and verify the Ground Maintenance menu is displayed.
9. Select item “B” to update the EFIS operating software.
10. Follow instructions displayed on screen.
11. Remove power from the IDU after the Ground Maintenance menu is displayed.

TESTING PROCEDURE

1. Apply power to IDU; verify IDU completes initialization and self-test.
2. Verify IDU displays “Software Version 4.0J-10” on the status page.
3. Press a key and verify IDU begins PFD or MFD operation.

NOTE: If the IDU does not complete initialization and/or self-test, it may be necessary to repeat the modification process to either reload the limits (steps 1-5 for PFD only) or the EFIS software (steps 6-10 for PFD and MFD). The EFIS application software must be upgraded after the limits upgrade. If the IDU does not operate properly after two load processes, contact Chelton Flight Systems Technical Support at (208) 389-9959.