


REV	C	APPLICATION			REVISIONS		
		PRODUCT LINE	REV	DESCRIPTION	DATE	APPROVED	APPROVED
SH	1	IDU-III	A	Initial Release per DCN W2889	06/06/03	Vern Wallace	
			B	Update Modification per DCN W2909	07/22/03	Vern Wallace	Dale Cureton
DWG. NO.	150-045949		C	Change Service Load Module P/N per DCN W3000	08/19/03	Vern Wallace	Dale Cureton

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APPROVALS	DATE			TITLE: SERVICE BULLETIN WSB IDU-III-3 (SOFTWARE UPDATE 4.0H, HELICOPTER)		
DRAWN Vern Wallace	06/06/03					
CHECKED Robert Durall	06/06/03					
PRODUCT MANAGER Robert Durall	06/06/03					
ENGINEER Robert Durall	06/06/03	SIZE A	CAGE CODE 1B7G3		DWG NO. 150-045949	REV C
ISSUED Vern Wallace	06/06/03	SCALE: NONE			DO NOT SCALE DRAWING	
Typed signatures indicate approval. Handwritten signature approval of this document is on file at Wulfsberg Electronics, Prescott, Arizona.						



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SERVICE BULLETIN

EQUIPMENT: IDU-III

DATE: August 19, 2003

BULLETIN NUMBER: WSB IDU-III-3 Revision C

EFFECTIVITY

This service bulletin applies to the following:

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

REASON

This modification is required for helicopter operations.

DESCRIPTION

This modification updates the application software to 4.0H, which includes helicopter operations.

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	320-145239-040H	Software Load Module, Update Image 4.0H	
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.

PFD MODIFICATION

1. Insert a SmartMedia card in the IDU with the Software Load Module, Limits Update (P/N 320-145951-0101).
2. Apply power to the IDU and verify the Ground Maintenance menu is displayed.
3. Select item "B" to update the EFIS limits.



Figure 1 Completed IDU Limits Programming

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

NOTE: Updating EFIS software to version 4.0H 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)

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