


REV	APPLICATION			REVISIONS		
	PRODUCT LINE	REV	DESCRIPTION	DATE	APPROVED	APPROVED
SH	IDU-III	A	Initial Release per DCN W3004	8/22/03		
150-045286						

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<p>APPROVALS</p>		<p>DATE</p>		 <p>Wulfsberg Electronics A Chelton Group Company</p>	
<p>DRAWN</p>		<p></p>			
<p>CHECKED <i>Clayton C. E. Tu</i></p>		<p>8-22-03</p>		<p>SERVICE BULLETIN WSB IDU-III-5 (SOFTWARE APPLICATION FOR SCC #0)</p>	
<p>PRODUCT MANAGER</p>		<p></p>		<p>SIZE</p>	
<p>ENGINEER</p>		<p></p>		<p>CAGE CODE</p>	
<p>ISSUED </p>		<p>8-22-03</p>		<p>DWG NO.</p>	
<p>Typed signatures indicate approval. Handwritten signature approval of this document is on file at Wulfsberg Electronics, Prescott, Arizona.</p>		<p>SCALE: NONE</p>		<p>DO NOT SCALE DRAWING</p>	
				<p>REV</p>	
				<p>A</p>	



Wulfsberg Electronics
A Chelton Group Company

SERVICE BULLETIN

EQUIPMENT: IDU-III

DATE: August 22, 2003

BULLETIN NUMBER: WSB IDU-III-5 Revision A

EFFECTIVITY

This service bulletin applies to the following:

LRU P/N	HDWR Mod	SWID	Serial Number
401-045500-[]	0101	4.0J	35228 and below .

REASON

This modification provides operation of the single screen EFIS system (SCC #0).

DESCRIPTION

This modification updates the application boot loader, absrun, and updates the application software to 4.0J.

COMPLIANCE

Required for single screen EFIS systems only.

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	320-145954-0100	Software Load Module, Runtime Update for EFIS-II 4.0J	

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: The IDU must contain EFIS software version 4.0J before starting this procedure. Update the EFIS software to version 4.0J per WSB IDU-III-4.

MFD MODIFICATION

1. Insert a SmartMedia card in the IDU with the Software Load Module, Runtime Update for EFIS-II 4.0J (P/N 320-145954-0100).
2. Apply power to the IDU and verify the Ground Maintenance menu is displayed.
3. Select item "B" to update the EFIS runtime.
4. Follow instructions displayed on screen.
5. Remove power from the IDU after the Ground Maintenance menu is displayed.

NOTE: Steps 1-5 update the application boot loader (absrun) to enable single screen operation under EFIS 4.0J. However, updating the application boot loader corrupts some portions of the 4.0J application software. Therefore, the 4.0J application software must be reloaded by completing steps 6-10 after updating the application boot loader.

6. Insert a SmartMedia card in the IDU with the Software Load Module, Update Image 4.0J (P/N 320-145239-040J).
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

FLIGHTLOGIC MFD REV 4.0J-10

SOFTWARE OK (CPU NUMBER = 0)

on the status page.

3. Press a key and verify IDU begins MFD operation.

NOTE: If the IDU does not complete initialization and/or self-test, it may be necessary to repeat the modification procedure to reload the EFIS software (steps 6-10 for PFD and MFD). The EFIS application software must be reloaded after updating the application boot loader (absrun). If the IDU continues to not operate properly after two reloads of the application software, contact Chelton Flight Systems Technical Support at (208) 389-9959.