SST FLUGTECHNIK Design Organisation EASA.21J.551	**SB-A500A-3140-02**	Revision:	--
		Type:	EA 400
		Model:	EA 400-500
		Project:	A500A-16-12
		Date:	22. Dec. 2016

SERVICE BULLETIN

AVIDYNE IFD3 MODIFICATION

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1. Subject

Replacement of the optional 3rd IFD Display unit.

2. Affected Aircraft

All serial numbers of the model EA400-500 (Extra 500) with the 3rd IFD option installed and with SB-A500A-16-04 (byte flight bus wiring correction) already complied with.

3. Introduction

For aircraft having the optional 3rd IFD installed the unit shall be removed and returned to the manufacturer AVIDYNE for a data bus modification. The change is identified by REV 01 to the part number 700-00083-002. Compliance with this Service Bulletin will remove random failures of the avionics system's ADAHRS and COM modules.
Do not install the modified IFD3 if SB-A500A-16-04 is not complied with.

4. Compliance Time

Compliance with this SB is highly recommended.

5. Approval

"The technical content of this document is approved under the authority of DOA re. EASA.21J.551."

6. Instructions

6.1. 3rd IFD replacement

6.1.1. Removal

Remove the 3rd IFD P/N 700-00083-002 iaw. Maintenance Manual.

6.1.2. Installation

Install the 3rd IFD P/N 700-00083-002 Rev 01 iaw. Maintenance Manual.

6.2. Post-installation tests

The 3rd IFD does not provide avionics functions except for the additional display of data as already shown on IFD1 or IFD2. The test shall make sure that proper synchronisation between the IFDs is achieved.
Therefore, post-installation testing should be performed with all IFDs operating. Proper 3rd IFD functioning is ensured when the Avidyne Entegra system has synchronised all IFDs and when the 3rd IFD pages shows the data as provided by the IFD1 or IFD2.

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For 3rd IFD operating instructions refer to the AFM Supplement AFMS-A500A-3140-01 and the Avidyne Entegra Integrated Flight Display System Pilot Guide, P/N 600-00190-000, Revision 05, or later appropriate revision.

7. Material required

One 3rd IFD AVIDYNE P/N 700-00083-002 Rev 01.

8. Weight and balance

No change.

9. Electrical load analysis

No change.

10. Operating instructions

No change.

11. Instructions for continued airworthiness

Post-installation checkouts are provided under chapter 6.2 and within the Maintenance Manual MM-A500A-0210-01, latest revision.

12. Effectivity date

This Service Bulletin becomes effective upon the date of issuance.

13. Installation check-out log

Submit a signed copy of the following page to:

support@sst-flugtechnik.com

SST FLUGTECHNIK GmbH
tel. +49-8331-972980
Am Flughafen 12a
D-87766 Memmingerberg

If problems with the implementation of this Service Bulletin occur, please contact SST-Flugtechnik by the contact details above.

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13.1. Continued airworthiness data

INSTALLING AGENCY		AIRCRAFT OWNER	
Name:		**Name:**	
Organisation No.:		**Postal Address:**	
Contact Person:			
Postal Address:		**Telephone No.:**	
		E-Mail:	
Telephone No.:		**MODIFIED AIRCRAFT**	
E-Mail:		**Aircraft Type:**	
Date of installation:		**Aircraft Model:**	
		Serial Number:	
		Registration:	

13.2. Installed configuration

INSTALLED SYSTEM	
Manufacturer:	AVIDYNE
Model:	IFD
Part Number:	700-00083-002 REV 01
Serial Number:	

13.3. A/C Documentation checks

Equip List ☐ Equipment List updated.

13.4. Installation accomplishment statement

I hereby confirm

that all conditions and requirements set forth in this Service Bulletin are met;
that the installation and check-out instructions of this Service Bulletin have been followed;
that the information provided in this check-out log is complete and correct.

_____	_____	_____
Date	Name in block letters	Signature

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