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Model: EA 400-500		
Project: A500A-16-02		
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Design Organisation EASA.21J.551		

SERVICE BULLETIN

AUDIO PANEL MODIFICATION

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1. Subject

This Service Bulletin provides instructions for the installation of an additional 3,5mm audio jack. The jack is connected to the audio panel PMA8000B or PMA8000BTi (whatever is installed) and enables to connect a cellular phone or other audio device to the intercom using the built-in TEL mode of the PMA8000B(Ti).

2. Affected Aircraft

Optional for EA400-500 MSN 1002 and up.

3. Introduction

This Service Bulletin is issued to introduce the optional 3,5mm audio jack. The jack is connected to the audio panel PMA8000B or PMA8000BTi (whatever is installed, PMA8000B for further reference) and enables the pilot to connect a cellular phone or other audio device to the intercom using the PMA8000B's built-in TEL mode.

4. Compliance Time

On owners discretion.

5. Approval

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

6. Required documentation

Accomplishment of the instructions contained herein can only be performed in combination with the correct and complete set of documents:

N°	Doc. Type	Doc. Name	Doc. Number
1	Installation drawing	AUDIO PANEL MODIF INSTALL	ECN-500C2350-000-001
2	Electrical drawing	AUDIO PANEL INSTALL WIRING	ECN-500EC2350-000-001
3	PMA8000B_IM	PMA8000B Installation Manual	200-890-0101
or	PMA8000BTi_IM	PMA8000BTi Installation Manual	200-890-1722
4	PMA8000B_PG	PMA8000B Pilot's Guide	202-890-0202
or	PMA8000BTi_PG	PMA8000BTi Pilot's Guide	202-890-1722
5	AC 43.13-2B	Acceptable Methods, Techniques and Practices – Aircraft Alterations	AC 43.13-2B

7. Required tooling

Standard maintenance tools are required for installation.

8. Instructions

NOTE: The installer must follow the requirements of the manufacturer's installation manuals listed in conjunction with the supplied wiring diagrams and the instructions listed herein.

8.1. Installation Planning

Carefully read and understand this entire document before beginning with the modification. If any questions arise, contact SST-Flugtechnik GmbH for further instructions.

8.2. Preparation for Maintenance

- a. Make sure that all switches are in the OFF / NORM position.
- b. Disconnect electrical power from the aircraft (incl. aircraft battery and external power supply) and attach appropriate warning tags.

8.3. Removal

- a. Referring to the Maintenance Manual de-install the PMA audio panel.
- b. Referring to the Maintenance Manual, remove the IFD-1 and IFD-2 to gain access to the audio panel wire loom. Do not disconnect wires or hoses, secure the units and provide adequate protection to not damage surrounding equipment.
- c. Referring to the Maintenance Manual, de-install the audio panel connector J1 from the tray.
- d. Referring to the Maintenance Manual remove the Main Switch Panel.
- e. Referring to the Maintenance Manual remove the pilots arm rest cover plate. Furthermore the lining on the pilots LH armrest has to be unmounted to be able to attach the new wire to the existing wire loom.

8.4. Installation

- a. For details please refer to the drawings listed in section 6 of this document.
- b. Re-install the side wall cover, main switch panel, the audio panel and the IFDs.

8.5. Modification close-up procedures

- c. Make sure that all switches are in the OFF / NORM position.
- d. Re-connect electrical power, perform the tests iaw section 8.6 and prepare aircraft for release to service.

8.6. Post-installation inspections and tests

In order to check the proper function of the installed jack proceed as indicated by the corresponding pilot's guide (see section 6).

If required adjust the default TEL volume following the installation instructions from the corresponding installation manual (see section 6).

9. Weight and balance

No change.

10. Electrical load analysis

No change.

11. Operating instructions

According to existing AFM-A500A-0210-01 and the corresponding Pilot's Guide (see section 6).

12. Instructions for continued airworthiness

No change.

13. Effectivity date

On owners discretion.

14. 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.

14.1. 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:	

14.2. 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