

	SB-A500A-2500-01	Revision: --
		Type: EA 400
Model: EA 400-500		
Project: A500A-15-08		
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Design Organisation EASA.21J.551		

SERVICE BULLETIN

AUX USB POWER SUPPLY

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1. Subject

This Service Bulletin provides instructions for the installation of optional auxiliary USB power supplies used for electronic products charging purpose.

Three ports can be installed, one on the pilot side, one on the copilot side and another on right side passenger console near to the retracting table.

2. Affected Aircraft

Optional for EA400-500 MSN 1002 and up.

3. Introduction

This Service Bulletin is issued to introduce the optional auxiliary USB power supplies.

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	AUX USB POWER SUPPLY INSTL	ECN-500C2500-000-001
2	Electrical drawing	AUX USB POWER SUPPLY WIRING	ECN-500EC2460-000-001
3	Installation manual	TA102 Installation Manual	9017942_Rev G
4	AC 43.13-2B	Acceptable Methods, Techniques and Practices – Aircraft Alterations	AC 43.13-2B
5	Drawing	LOAD BUS PLACARD (Only from MSN 1002 to 1007)	ECN-500-1130-007-101

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. Installation

The TA102 Series Dual USB Charging Ports are installed in accordance with:

- a. ECN-500C2500-000-001 AUX USB POWER SUPPLY INSTL
- b. ECN-500EC2460-000-0001 AUX USB POWER SUPPLY WIRING

The customer can choose if he wants to install the option completely (3 USB power supplies) or partly (1 or 2 USB power supplies).

Each USB power supply is installed independently following:

- a. ECN-500C2500-001-001 PILOT AUX USB P SUPPLY INSTL
- b. ECN-500C2500-002-002 COPILOT AUX USB P SUPPLY INSTL
- c. ECN-500C2500-003-002 CONSOLE AUX USB P SUPPLY INSTL

From MSN 1002 to 1007, the LOAD BUS PLACARD ECN-500-1130-007-101 has to be installed replacing the old one.

8.4. Modification close-up procedures

- a. Make sure that all switches are in the OFF / NORM position.
- b. Re-connect electrical power, perform the tests iaw section 8.5 and prepare aircraft for release to service.

8.5. Post-installation inspections and tests

Testing of the installation by plugging any electronic device with USB cable on each TA102 USB port, the electronic device has to get power from the TA102 USB port.

9. Weight and balance

For updating of the A/C equipment list, use the following information:

Equipment	Weight	Location	Coord. (X, Y) mm
TA102	0,091 kg	pilot	(2350,-520)
		copilot	(2350,520)
		console	(4040,620)

10. Electrical load analysis

The existing 10A circuit breaker (12-VDC) is replaced by a 5A circuit breaker for the USB ports install (USB). Therefore, no increasing electrical load is applied. Each port (maximum 3) draws 24 watts max; 0.85 amps @ 28 VDC.

11. Operating instructions

Non applicable.

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. Installed configuration

INSTALLED SYSTEM	
Manufacturer:	
Model:	
Part Number:	
Serial Number:	

14.3. A/C Documentation checks

W&B / Equip List

- Equipment List updated.
 Weight and Balance record updated.

Electrical Load Analysis

- Electrical Load Analysis updated.

14.4. 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