

NUMBER: SB 500-23-004, Rev B

MODEL: ECLIPSE EA500

SUBJECT: Audio Mixer Upgrade

**Recommended**

[www.ECLIPSE.aero](http://www.ECLIPSE.aero)

## 1. PLANNING INFORMATION

### A. Effectivity

Aircraft Serial Numbers 0001-0104, 0113-0115, 0120, 0123-0124, Post SB 500-99-002 and 0105-0112, 0116-0119, 0121-0122, 0125-Up.

### B. Reason

This Service Bulletin has been prepared to allow the use of an Audio Mixer with enhanced features.

Revision B change: Clarified Serial Number suffix.

### C. Description

This Service Bulletin provides procedures to replace the Audio Mixer

### D. Relevant Publications

None

### E. Compliance

Eclipse Aerospace Inc. considers this to be a recommended upgrade that can be accomplished at the operator's discretion.

### F. Approval

This Service Bulletin is based on engineering data that is FAA-approved, and the modification herein complies with the applicable regulations.

### G. Labor Requirements

The following information is for planning purposes only.

(1) Estimated labor hours to perform:

Suggested number of personnel: 1

Job Set-up and Job Close-up: 1.0 Hours

Removal/Installation: 8.0 Hour

Adjustment/Test: 3.0 Hours

**Total labor hours: 12.0**

The above is an estimate based on properly equipped and experienced personnel complying with this Service Bulletin. Actual labor hours may vary depending on workforce experience, concurrent maintenance, discovery of other discrepancies, etc.

(2) Qualification of personnel:

- A person properly authorized under 14 CFR 43 to perform aircraft maintenance.

### H. Weight and Balance Change

Negligible

**I. Electrical Load Data Change**

Negligible

**J. Software Accomplishment Summary**

None

**K. References**

Aircraft Maintenance Manual (AMM), P/N 06-117751, latest revision.

**L. Publications Affected**

None

## 2. MATERIAL INFORMATION

**A. Materials**

Order parts below:

Part Number	Description	Qty	Unit of Issue
050-290-0100	PMA500, Audio Controller NOTE: Serial Number must be preceded with E or higher (new units) or end with E or higher (reworked units).	1	EA.

**B. Tooling**

The following special tooling/support equipment is required to accomplish this Service Bulletin.

Nomenclature	Specification	Use
Mili-Ohmmeter	Extech 380460 or equivalent	Electrical Bonding Check

**C. Interchangeability/Intermixability of Parts**

None

**D. Part Re-identification**

None.

## 3. ACCOMPLISHMENT INSTRUCTIONS

**A. Procedure**

- (1) Make the aircraft safe for maintenance. Refer to AMM - 20-00-01 - MAKE SAFE FOR MAINTENANCE.
- (2) Remove existing Audio Mixer. Refer to AMM - 23-50-10 - AUDIO MIXER - REMOVAL
- (3) Install new Audio Mixer P/N 050-290-0100 (Serial Number must begin or end with E or higher). Refer to AMM - 23-50-10 - AUDIO MIXER - INSTALLATION.
- (4) Perform adjustment/test of the Audio Mixer. Refer to AMM - 23-50-00 - AUDIO MIXER - ADJUSTMENT/TEST.
- (5) If all other maintenance is complete, return the aircraft to service. Refer to the AMM - 20-00-02 - RETURN TO SERVICE (AFTER MAINTENANCE).

**Sign Off**

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**B. Limitations and Procedures**

None

**C. Parts Disposition**

Return removed Audio Mixer to Eclipse Aerospace.

**D. Cost**

Contact Eclipse Aerospace Inc. for cost and availability.

## 4. RECORD OF COMPLIANCE

Upon completion of this Service Bulletin, make an appropriate maintenance-record entry specifying the Service Bulletin number.

## 5. NOTIFYING ECLIPSE AEROSPACE

On completing this service bulletin, the operator/maintainer shall complete the attached Compliance Record and send it to Eclipse Aerospace via regular mail, fax, or e-mail.

Mailing Address	Eclipse Aerospace Incorporated ATTN: Customer Care 2503 Clark Carr Loop SE Albuquerque, NM 87106
Fax	1-505-241-8802
E-mail	sbcompliance@eclipse.aero

