



# SERVICE BULLETIN

**NUMBER:** SB 500-34-017, REV A  
**MODEL:** ECLIPSE EA500  
**SUBJECT:** SPECTRALUX GPS-SBAS RECEIVER REPLACEMENT.

## 1. PLANNING INFORMATION

### A. Effectivity

Aircraft Serial Numbers 000001 through 000008, 000010 through 50, 52 through 000253.

### B. Reason

Spectralux GPS P/N 13764-2 has been replaced with P/N 13764-3.

### C. Description

This Service Bulletin provides the aircraft effectivity and provides procedures to replace and perform an operational check of GPS system.

### D. Relevant Publications

Service Bulletin SB500-99-002 Avio NG.

Service Bulletin SB 500-34-018 Installation of Garmin 430 and GTX330.

### E. Compliance

Eclipse Aviation Corporation considers this to be a recommended modification that must be accomplished within one year from the issue date of this Service Bulletin.

Aircraft serial numbers 000001 through 000050, 000052 through 000104, 000113-000115, 000120, 000123-000124 modified with SB 500-99-002 require this Service Bulletin.

Aircraft modified with Service Bulletin SB 500-34-018 are not eligible for this Service Bulletin.

### 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

Set up: 1.0 Hours

Replace Spectralux GPS and perform operational check : 1.0

Close up and return to service: 1.5 Hours

**Total labor hours: 3.5 Hours**

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.



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## H. Weight and Balance Change

None.

## I. Electrical Load Data Change

None.

## J. Software Accomplishment Summary

None.

## K. References

Aircraft Maintenance Manual (AMM), P/N 06-11775, latest revision.

## L. Publications Affected

Illustrated Parts Catalog (IPC), P/N 06-117752.

## 2. MATERIAL INFORMATION

### A. Order Non-kitted Parts

#### (1) Non-kitted Parts

Non-kitted parts must be ordered separately.

Part Number	Description	Qty	Unit of Issue
13764-3	Spectralux GPS	2	EA.

Interchangeability/Intermixability of Parts

None.

### B. Part Re-identification

None.

## 3. ACCOMPLISHMENT INSTRUCTIONS

### A. Set Up

- (1) Make aircraft safe for maintenance. Refer to AMM 20-00-01 MAKE SAFE FOR MAINTENANCE.
- (2) Make sure all power is removed from aircraft.
- (3) Remove 231 JZ Cabin Headliner assembly. Refer to AMM 06-50-00 AIRCRAFT ACCESS PANELS.

### B. Procedure

- (1) Locate GPS units. If part number is a Spectralux GPS 13764-2 proceed to next step.  
NOTE: Applies to Spectralux units only.
- (2) Replace left and right Spectralux GPS 13764-2 with Spectralux GPS 13764-3. Refer to AMM 34-50-11 GPS/WASS SENSOR- REMOVAL/INSTALLATION.
- (3) Perform adjustment/test. Refer to AMM 34-50-10-071-801 GPS-ADJUSTMENT/TEST.

### C. Close Up

- (1) Install 231 JZ Cabin Headliner assembly. Refer to AMM 06-50-00 AIRCRAFT ACCESS PANELS.
- (2) Install any items that may have been removed for access.



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- (3) If all other maintenance is complete, return aircraft to service. Refer to AMM 20-00-02-051-801 RETURN TO SERVICE (AFTER MAINTENANCE).

### D. Limitations and Procedures

None.

### E. Parts Disposition

Return to Eclipse Aviation.

### F. Cost

Materials and Labor will be supplied by Eclipse Aviation Corporation at no charge to the aircraft owner if accomplished at an Eclipse Aviation Service Center or Eclipse authorized service center. Contact Eclipse Aviation Customer Care for questions.

## 4. RECORD OF COMPLIANCE

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

## 5. NOTIFYING ECLIPSE AVIATION

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

MAILING ADDRESS	Eclipse Aviation Corporation ATTN: Customer Care 2503 Clark Carr Loop SE Albuquerque, NM 87106
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