

NUMBER: SB 500-04-006, Rev J
MODEL: ECLIPSE EA500
SUBJECT: Extending Aircraft Service Life Limits

Optional

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1. PLANNING INFORMATION

A. Effectivity

Aircraft Serial Numbers: 000001 to 000038 when modified by SB 500-99-001, Performance Enhancement and Drag Reduction Modification and in compliance with [Section 2](#), "Accomplishment Instructions".

Aircraft Serial Numbers: 000039 to 000262, 000266 to 000267, 550-0263 to 550-0265, 550-0268 to 550-0280, 550-0282 to 550-0284, and 550-1001 and above when in compliance with [Section 2](#).

B. Reason

Revision J of this service bulletin clarifies corrects a typographical error in section 1, A.

C. Description

Applicable aircraft in compliance with [Section 2](#), and Notes 1–4 are eligible for an extension of the service life from the originally certified 10 years, 10,000 flight hours, or 10,000 cycles to 20,000 flight hours or 20,000 cycles.

This Service Bulletin is provided for planning purposes only. This bulletin is not eligible for incorporation, nor may it be considered incorporated, on applicable aircraft until the aircraft has reached 10,000 flight hours, 10,000 cycles, or 10 years since the original date of manufacture.

Should Eclipse Aerospace agree to permit the use of this Service Bulletin to extend the life limit of an aircraft, Eclipse Aerospace will provide that person with written evidence of that permission.

D. Relevant Publications

Life Extension Program Enrollment Documents
Aircraft Maintenance Manual 06–117751 Chapter 04-00-00
Aircraft Tool and Equipment Manual 06–117756

E. Compliance

N/A

F. Approval

This Service Bulletin is FAA approved with respect to aspects of: 14 CFR 23.571, 23.572, 23.573, and 23.575.

G. Labor Requirements

The following information is for planning purposes only.

- (1) Estimated labor hours to incorporate this bulletin, and enroll the aircraft in the life extension program:
132.0
Suggested number of personnel: 4
Total labor hours: 132.0

H. Weight and Balance Change

None.

I. Electrical Load Data Change

None.

J. Software Accomplishment Summary

N/A

K. References

Aircraft Maintenance Manual 06–117751

L. Publications Affected

Aircraft Maintenance Manual 06–117751

M. Export Control

These commodities, technology or software were exported from the United States in accordance with the Export Administration Regulations. These commodities, technology or software are intended for use only in the End User's country. An export license from the U.S. Department of Commerce may be required before these products can be re-exported, transferred, transshipped on a non-continuous voyage, or otherwise disposed of in any other country, either in their original form or after being incorporated into an end item. Diversion of this end-item or its use contrary to any applicable U.S. government license or to U.S. law is prohibited.

2. ACCOMPLISHMENT INSTRUCTIONS

A. Procedure

For aircraft owners and operators ("Operators") of eligible aircraft desiring to extend the aircraft's service life beyond the current 10,000 flight hours, 10,000 cycles, or 10-year life limit, Operators may elect to participate in this voluntary Life Extension Program.

Aircraft may be enrolled in the Life Extension Program at their next 1200 flight hour/48 month inspection. The aircraft Life Extension Program and related inspection procedures provide the means for the aircraft service life to be extended to a maximum service life of 20,000 flight hours or 20,000 cycles (whichever occurs first) provided the terms & conditions of the Life Extension Program, including Notes 1–4 of this bulletin, are maintained in compliance.

Once enrolled, the Operator will receive a certificate of enrollment in the Life Extension Program to be included in the aircraft's permanent records. Enrollment is transferable, provided the aircraft is in full compliance at the time of transfer and the new aircraft owner executes a Life Extension Program addendum at the time of aircraft ownership change or no later than the next 1200 hour/48 month inspection is due.

This Service Bulletin (and the aircraft life extension) is not considered incorporated until the aircraft has reached 10,000 flight hours, 10,000 cycles, or 10 years since the original date of manufacture.

Once this Service Bulletin is incorporated, the aircraft Operator will be provided with the Instructions for Continued Airworthiness (ICAs) and entries for the aircraft records denoting the incorporation of this Service Bulletin.

For Operators enrolling in the Life Extension Program at their next scheduled 1200 hour/48 month inspection, but prior to 10,000 flight hours, 10,000 cycles, or 10 years, the incorporation of this Service Bulletin (and the aircraft life extension) at the 10,000 flight hours, 10,000 cycles, or 10 year point will only require a records review to allow for incorporation.

NOTE 1: The following service bulletins must be complied with in order to qualify for the life extension program:

- SB 500-24-008, Rev B or later. External Power Receptacle Inspection. (Eclipse 500 effectivity)
- SB 550-24-002, Rev B or later. External Power Receptacle Inspection. (Eclipse 550 effectivity)
- SB 500-30-002, Rev C or later. Inspection and Treatment of Wing and Tail De-ice Boots Installation for Surface Corrosion
- SB 500-53-008, Rev B or later. Lower Wing to Body Fairing Drainage
- SB 500-57-011, Rev B or later. Wing Attach Point Inspection

NOTE 2: Aircraft with non-Eclipse Aerospace modifications, alterations, or repairs, which EAI has determined may affect the structural integrity of the aircraft, may be subject to additional inspection for acceptability and inclusion in the Life Extension Program.

NOTE 3: The aircraft must have the 1200 hour/48 month inspection, and the 48-month fuel tank inspection, complied with in accordance with the Eclipse 500/550 Aircraft Maintenance Manual.

NOTE 4: The aircraft must be maintained and inspected in accordance with the currently published revision of the Aircraft Maintenance Manual (AMM) or Eclipse Aerospace accepted alternate inspection program.

E. Limitations and Procedures

N/A

F. Cost

Participation in the Life Extension Program is available free of charge to Eclipse Jet Operators who enroll in the program and have their 1200 hour/48 month inspections performed at an Eclipse Authorized Service Center with a Life Extension endorsement.

Operators desiring to extend the life of their aircraft, but who do not wish to utilize the Eclipse Authorized Service Centers for their Life Extension inspections, should contact EAI for single aircraft extension/inspection programs, licenses and fees.

This bulletin may only be considered implemented after the required Maintenance Request Form, Work Order or life extension addendum referencing the Life Extension Program is completed.

This Bulletin may not be implemented, incorporated, or used in part or in whole without the written approval of Eclipse Aerospace.

3. RECORD OF COMPLIANCE

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

4. 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: Service Engineering 2503 Clark Carr Loop SE Albuquerque, NM 87106
Fax	1-505-241-8802
E-mail	sbcompliance@eclipse.aero

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