



SERVICE BULLETIN

NUMBER: SB 500-53-003, REV A
MODEL: ECLIPSE EA500
SUBJECT: CORROSION PREVENTION

1. PLANNING INFORMATION

A. Effectivity

Aircraft Serial Numbers 000001-000208, 000212.

B. Reason

To prevent corrosion at outboard keel area.

C. Description

Service Bulletin provides instruction to apply a corrosion preventive in outboard keel area.

D. Compliance

Eclipse Aviation Corporation considers this to be a recommended action that can be accomplished at the operator's discretion. Recommend compliance at next access opportunity or next 300 hour inspection.

E. Approval

This Service Bulletin is based on engineering data and the corrective action herein complies with the applicable regulations.

F. Labor Requirements

The following information is for planning purposes only.

(1) Estimated labor hours to perform:

Suggested number of personnel: 1

Set up: 2.5 Hours

Corrective action: .75 Hours

Close up: 2.5 Hours

Total labor hours: 5.75 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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G. Weight and Balance Change

None.

H. Electrical Load Data Change

None.

I. Software Accomplishment Summary

None.

J. References

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

K. Publications Affected

None.

2. MATERIAL INFORMATION

A. Consumables

The following consumables are required for this Service Bulletin.

Material	Specification	Use
Water displacing corrosion inhibitor	Ardrox AV-15 or equivalent	Protect structure from corrosion

B. Interchangeability/Intermixability of Parts

None

C. Part Re-identification

None.



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3. ACCOMPLISHMENT INSTRUCTIONS

A. Set up

- (1) Make aircraft safe for maintenance. Refer to AMM 20-00-01 MAKE SAFE FOR MAINTENANCE.
- (2) Remove passenger seats. Refer to AMM 25-21-10 PASSENGER SEAT-REMOVAL.
- (3) Remove lower cabin sidewall panels 231AZ and 232FZ. Refer to AMM 06-50-00 AIRCRAFT ACCESS PANELS.
- (4) Remove floor boards 131CZ and 132BZ. Refer to AMM 06-50-00 AIRCRAFT ACCESS PANELS.

B. Inspection/corrective action

- (1) Locate left and right keel sheer tie at stringer six, frame station 180.00, and 189.00. See figure 1.
NOTE: Remove insulation as needed to gain access. Retain for reuse.
- (2) Area under keel sheer tie to be treated with a corrosion inhibitor. Located at fwd frame (sta. 180) on the lower frame flange is a production tooling hole see figure 2. Place nozzle from corrosion inhibitor into tooling hole facing aft and liberally coat area with Ardrox AV-15. The area to be coated is approximately from frame 180.00 to frame 189.00. Repeat for opposite side.
NOTE: Clean up excess corrosion inhibitor that may weep from keel area using clean lint free cloth and Install insulation if removed.

C. Close up

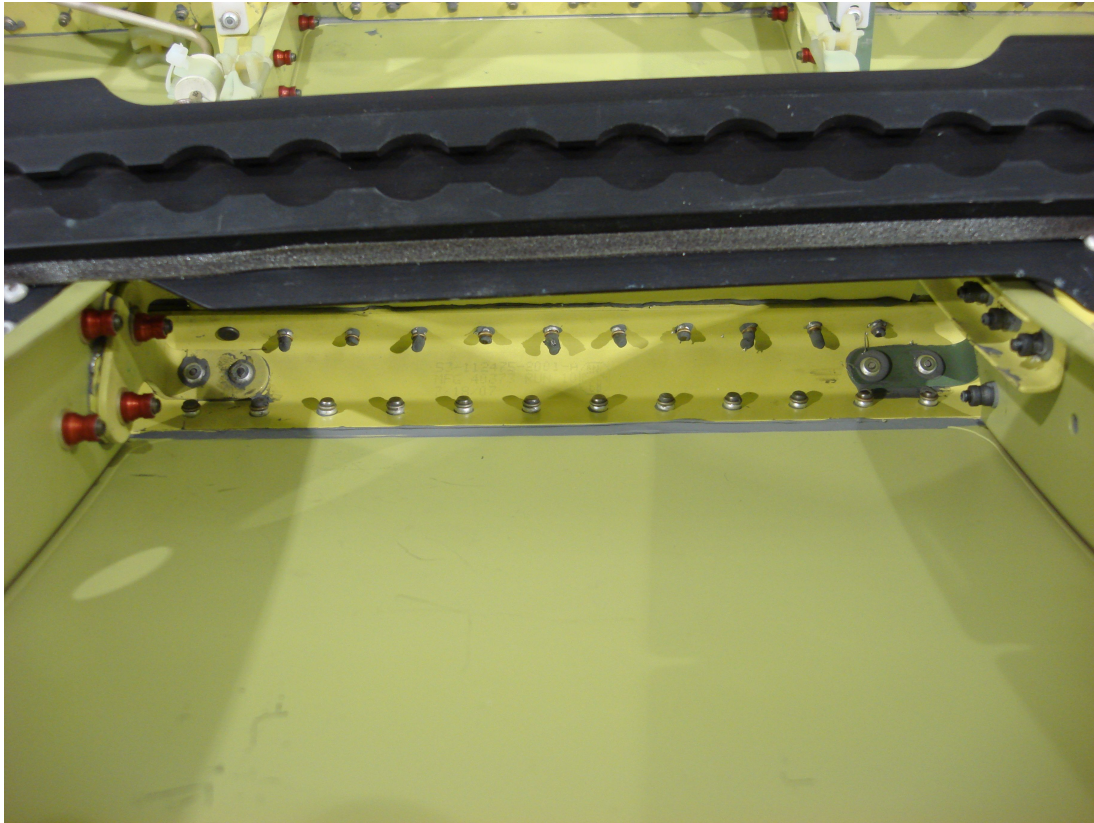
- (1) Install lower cabin sidewall panels 231AZ and 232FZ. Refer to AMM 06-50-00 AIRCRAFT ACCESS PANELS.
- (2) Install floor boards 131CZ and 132BZ. Refer to AMM 06-50-00 AIRCRAFT ACCESS PANELS.
- (3) Install passenger seats. Refer to AMM 25-21-10 PASSENGER SEAT-INSTALLATION.
- (4) If all other maintenance is complete, return aircraft to service. Refer to AMM 20-00-02-051-801 RETURN TO SERVICE (AFTER MAINTENANCE).



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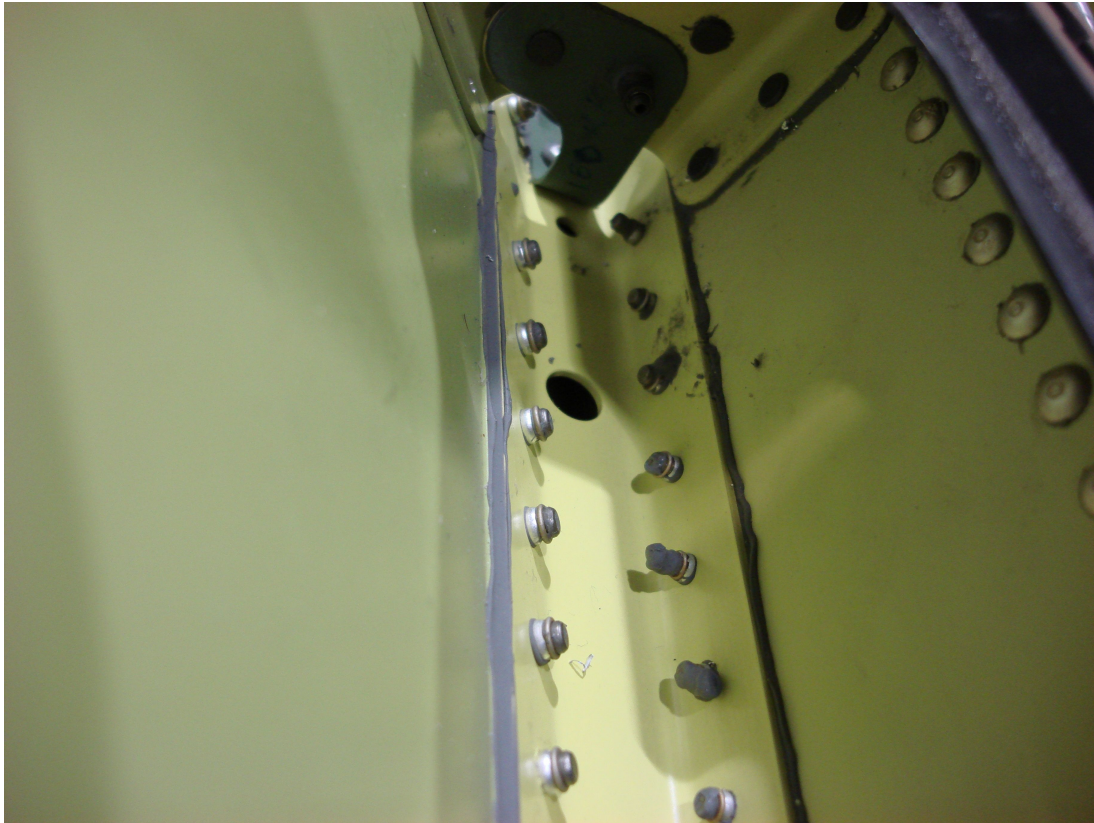
**Stringer clips station 180.00–189.00
Figure 1**



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Tooling hole frame 180.00
Figure 2



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D. Limitations and Procedures

None.

E. 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. 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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