

SERVICE BULLETIN

NUMBER: SB 500-25-001
MODEL: Eclipse EA500
SUBJECT: Crew Seat, Adjustment Cable Modification

1. Planning Information

A. Effectivity

Aircraft Model EA500, Serial Numbers 000001 and 000003.

B. Reason

- There have been a few instances where the seat adjustment cable (height and fore and aft adjustment) have come loose and become inoperative. This failure would freeze the crew seat in its last position.
- There could eventually be a safety of flight issue if this failure was to happen in flight.

C. Description

This SB (Service Bulletin) adds position locators along the routing of the adjustment cable to prevent it from working loose.

D. Relevant Publications

Refer the operator/maintainer to any other relevant documentation, such as previously issued Service Bulletins.

E. Compliance

Eclipse Aviation Corporation considers this to be a mandatory modification that *must* be accomplished within the next 5 calendar days from the issuance of this SB.

F. Approval

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

G. Weight and Balance Change

None (negligible).

H. Electrical Load Data Change

None.

I. Software Accomplishment Summary

Not Applicable.

J. References

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

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K. Publications Affected

Aircraft Maintenance Manual P/N 06-117751.

Illustrated Parts Catalog P/N 06-117752.

2. Material Information

A. Materials

The following parts are required for this Service Bulletin.

Part Number	Description	Qty Required
25-121730-1001	EAC Drawing MOD, ADJUSTMENT CABLE, CREW SEAT	One
25-121731-1001	EAC Drawing MOD, ADJUSTMENT CABLE, PAX SEAT	One

B. Part Re-Identification

See Paragraph 3.A.(5).

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3. Accomplishment Instructions

A. Procedure:

- (1) Remove Pilot and Co-pilot seats using AMM task 25-11-10 removal procedure.
- (2) Remove Passenger seats using AMM task 25-21-10 removal procedure.
- (3) For Crew seats use DWG No. 25-121730-1001 Rev. A, apply Strap, Tie Down, Electrical components P/N MS3367-1-0 in 5 places.
NOTE: DO NOT REMOVE EXISTING TIE STRAPS
NOTE: DO NOT OVER TIGHTEN THE STRAPS AS THIS COULD CAUSE CABLE BINDING.
- (4) Install P/N MS20995C20 lock wire as indicated in 4 ea places.
NOTE: THIS SAFETY WIRE IS DESIGNED TO KEEP THE CABLE ANCHOR BALL IN PLACE. USE BEST SHOP PRACTICES.
- (5) Identify Seat per EAC P1003A Method 3 as indicated.
- (6) Inspect seat for modification completion prior to installation in the aircraft.

NOTE: THE FOLLOWING PROCEDURE APPLIES TO 5 OR 6 SEAT CONFIGURATION
- (7) For each Passenger Seat, use drawing 25-121731-1001 Rev. A, apply Strap, Tie down, Electrical P/N MS3367-1-0 on each seat assy as indicated.
NOTE: DO NOT REMOVE EXISTING TIE STRAPS.
NOTE: DO NOT OVER TIGHTEN STRAP AS IT COULD CAUSE BINDING OF THE CABLE
- (8) Install P/N MS20995C20 lock wire as indicated in detail B on each seat assy.
NOTE: THIS SAFETY WIRE IS DESIGNED TO KEEP THE CABLE ANCHOR BALL IN PLACE. USE BEST SHOP PRACTICES.
- (9) Identify Passenger Seat assemblies per EACP1003A Method 3 as indicated.
- (10) Inspect Passenger Seat for modification completion prior to installation.
- (11) Reinstall Pilot and Co-Pilot seats using AMM task 25-11-10.
- (12) Reinstall Passenger Seats using AMM task 25-21-10.

B. Cost

This Service Bulletin will be accomplished at and by the Eclipse Aviation Service Center.

Parts and Labor will be supplied at no charge to the aircraft owner by Eclipse Aviation Corporation.



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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

Fax: 1-505-241-8802

E-mail: customercare@EclipseAviation.com

