



MANDATORY

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SERVICE BULLETIN

NUMBER: SB 500-25-009, REV B
MODEL: ECLIPSE EA500
SUBJECT: FORWARD CENTER FLOOR PANEL MODIFICATION

1. PLANNING INFORMATION

A. Effectivity

Aircraft Serial Numbers 000105 through 000112, 000116 through 000119, 000121 through 000122, 000125 through 000300.

Aircraft Serial Numbers 000001 through 000104, 000113 through 000115, 000120, 000123 through 000124 modified by SB 500-99-002.

B. Reason

To improve clearances between the Center Forward Floor Panel and the Left Main Cabin Wiring Harness

Revision B changes: Extended effectivity to 000300

C. Description

This Service Bulletin provides the procedure to rework the Forward Center Floor Panel to provide more clearance for the Left Main Cabin Wiring Harness.

D. Relevant Publications

None

E. Compliance

Eclipse Aerospace Inc. considers this to be a mandatory modification that must be accomplished at the next 300 hour / 24 Month Inspection.

Compliance with revision A of this Service Bulletin constitutes compliance with revision B.

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 Setup: 8 Hours

Center Forward Floor Panel Modification: 2 Hours

Job Close up: 14 Hours

Total labor hours: 24

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.



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(2) Qualification of personnel:

- A person properly authorized to perform aircraft maintenance under 14 CFR 43 or equivalent approved by the Civil Aviation Authority having jurisdiction.

H. Weight and Balance Change

None

I. Electrical Load Data Change

None

J. Software Accomplishment Summary

Not applicable

K. References

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

Wiring Repair Manual (WRM) P/N 06-120792

L. Publications Affected

None

2. MATERIAL INFORMATION

A. Materials

There are no parts required for this Service Bulletin.

B. Consumables

The following consumables are required for this Service Bulletin.

Material	Specification	Use
Epoxy	3M Scotch-Weld 2216 B/A Epoxy Adhesive or Hysol EA 934NA Epoxy Paste Adhesive	Floorboard Edge Fill
Aerodynamic Smoothing Sealant	PRC Desoto PR-2050 or equivalent	Nose Access Panel Installation
Conformable Teflon Tape	76025A691 or equivalent	Nose Access Panel Installation
Carpet Tape	Scotch 3M CT 1020 or equivalent	Carpet Installation
Strap, Tiedown	MS3367-2-0 or equivalent	Duct Installation
Strap, Tiedown	MS3367-1-9 or equivalent	Forward Evaporator Drain Tube Installation
Threadlocker	Loctite 242 or equivalent	Parking Brake Valve Control Cable Installation
Oil	General Purpose Light	Parking Brake Valve Control Cable Installation



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C. Tooling

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

Nomenclature	Specification	Use
Seat Foot Release Cable Tool	EAI, 9000-2521275	Seat Removal and Installation
R134 Service Cart	RHS 780 or equivalent	Air Conditioning Servicing
Electronic Refrigerant Leak Detector	Snap-on ACT730 or equivalent	Air Conditioning Servicing

D. Interchangeability/Intermixability of Parts

None

E. Part Re-identification

Remark part per Accomplishment Instructions

3. ACCOMPLISHMENT INSTRUCTIONS

A. Job Set-up

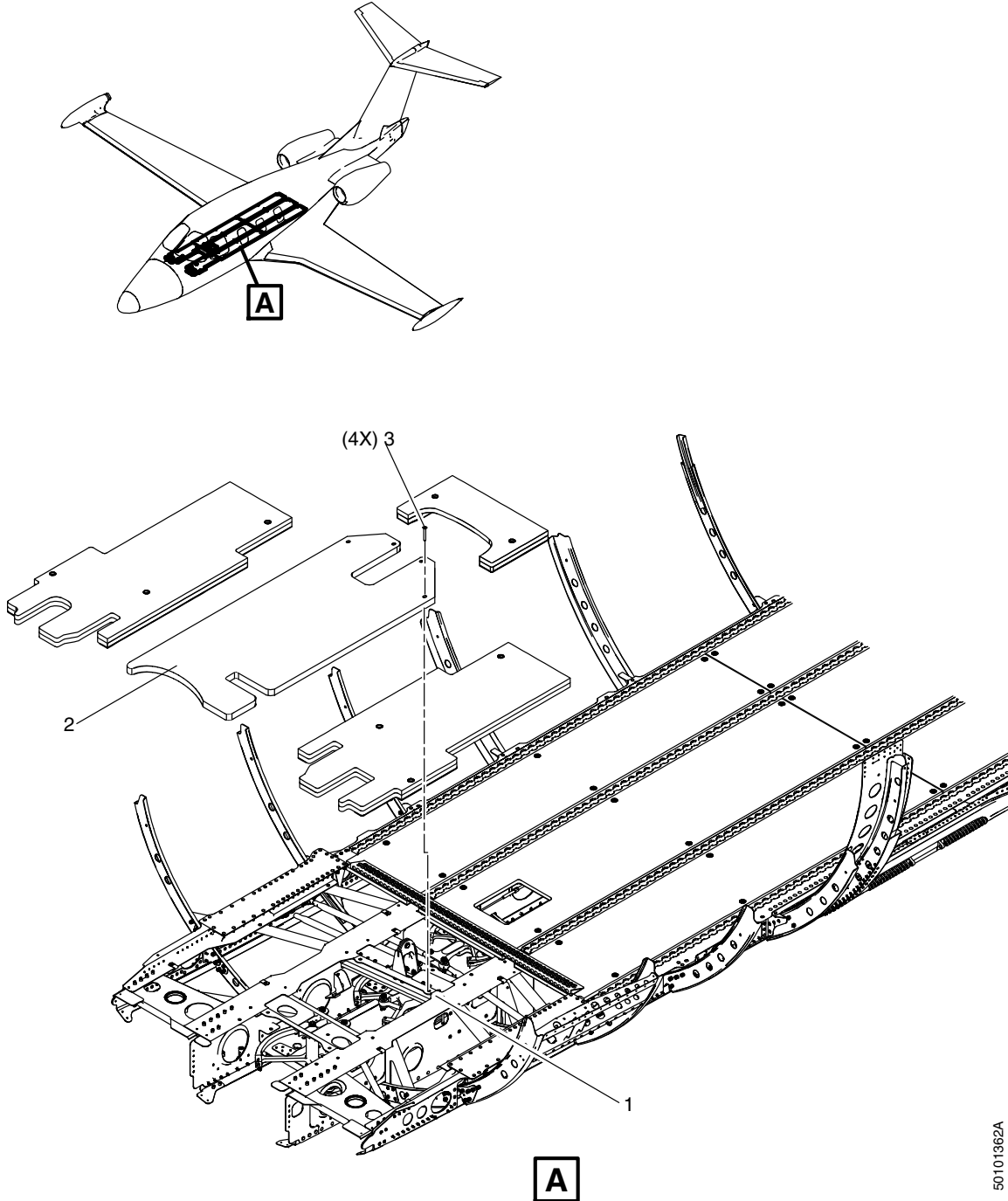
- (1) Make the aircraft safe for maintenance. Refer to AMM 20-00-01 MAKE SAFE FOR MAINTENANCE.
- (2) Remove the Floor Panel, Forward Center Cockpit - 122 BZ as follows:
 - (a) Remove the pilot and copilot seats as necessary to gain access to the Floor Panel, Forward Center Cockpit - 122 BZ. Refer to AMM - 25-11-10 - COCKPIT SEAT - REMOVAL.
 - (b) Remove the carpet as necessary to gain access to the Floor Panel, Forward Center Cockpit - 122 BZ. Refer to AMM - 25-21-40 - CARPET ASSEMBLY - REMOVAL.
 - (c) Remove the transition strip as necessary to gain access to the Floor Panel, Forward Center Cockpit - 122 BZ. Refer to AMM - 25-21-25 - TRANSITION STRIPS - REMOVAL.
 - (d) Remove the Throttle Quadrant to gain access to the Floor Panel, Forward Center Cockpit - 122 BZ. Refer to AMM - 25-10-01 - THROTTLE QUADRANT - REMOVAL.
 - (e) Remove the Center Console Assembly including left and right Console Kick Panels, Fire Extinguisher and Parking Brake Cable, to gain access to the Floor Panel, Forward Center Cockpit - 122 BZ. Refer to AMM - 25-11-20 - COCKPIT PANELS - REMOVAL.
 - (f) Remove the forward evaporator module to gain access to the Floor Panel, Forward Center Cockpit - 122 BZ. Refer to AMM - 21-50-20 - FORWARD EVAPORATOR MODULE - REMOVAL.
 - (g) Remove the Floor Panel, Aft Center Cockpit - 121 CZ to gain access to the Floor Panel, Forward Center Cockpit - 122 BZ. Refer to AMM - 25-11-30 - COCKPIT FLOOR PANELS - REMOVAL.
 - (h) Remove and retain the screws (3, Figure 1) that attach the Floor Panel, Forward Center Cockpit - 122 BZ (2, Figure 1) to the structure (1, Figure 1).
 - (i) Remove the Floor Panel, Forward Center Cockpit - 122 BZ (2, Figure 1) from the aircraft.



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**Cockpit Floor Panels
Figure 1**

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B. Procedure

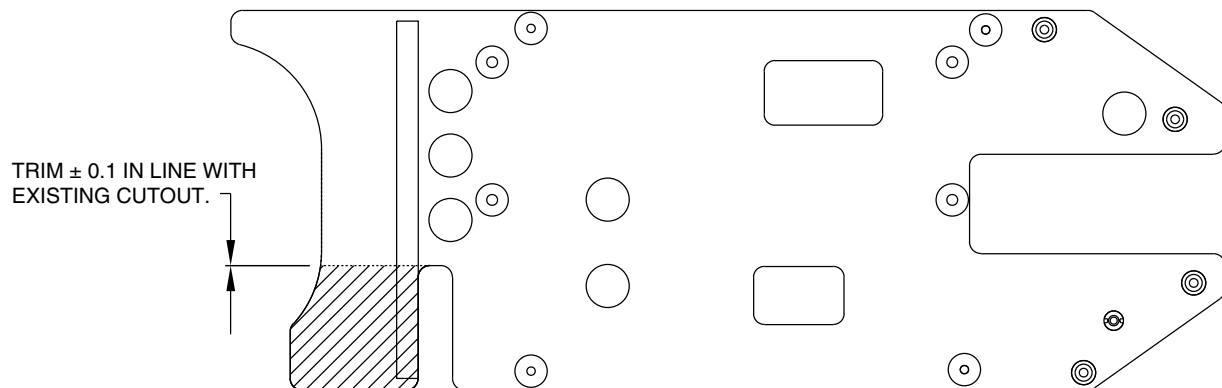
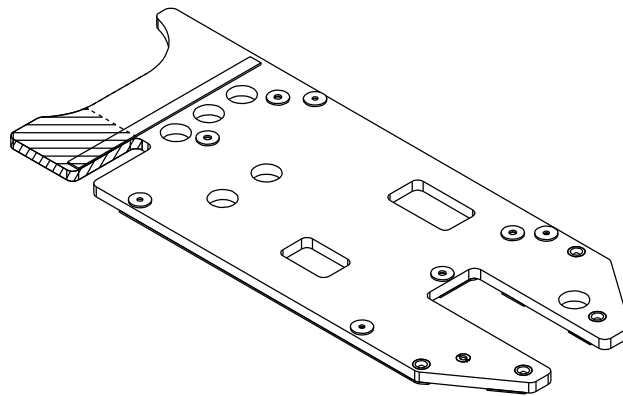
- (1) Bench rework the Floor Panel, Forward Center Cockpit - 122 BZ P/N B023833 as follows:

NOTE: Refer to [Figure 2](#).

- (a) Cut the Floor Panel, Forward Center Cockpit - 122 BZ P/N B023833 and foam strip as indicated by the dashed line. Under cut core 0.2 inch deep
- (b) Edge fill the Floor Panel, Forward Center Cockpit - 122 BZ P/N B023833 with 3M Scotch-Weld 2216 B/A Epoxy Adhesive or Hysol EA 934NA Epoxy Paste Adhesive per manufacture's instructions.

NOTE: Allow epoxy to adequately cure before reinstalling the floor panel.

- (c) Remark the part "Modified by 25-123150-1001" with permanent ink on the bottom facing side.



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**Center Forward Floor Panel Modification
Figure 2**



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- (2) Install the Floor Panel, Forward Center Cockpit - 122 BZ as follows:
 - (a) Make sure that the clip nuts are positioned correctly on the structure (1, Figure 1).
 - (b) Install the Floor Panel, Forward Center Cockpit - 122 BZ (2, Figure 1) on the structure and align the screw holes.
 - (c) Install the screws (3, Figure 1) that attach the Floor Panel, Forward Center Cockpit - 122 BZ (2, Figure 1) to the structure (1, Figure 1).
- (3) Adjust the Left Main Cabin Wiring Harness P/N 39-108859 routing to maintain 0.5 inch (minimum) clearance from the flight controls.

NOTE: Protective wrap may be used on the harness to protect the harness from chaffing in the areas where needed. Refer to the WRM.

C. Job Close-up

- (1) Install the forward evaporator module. Refer to the AMM - 21-50-20 - FORWARD EVAPORATOR MODULE - INSTALLATION.
- (2) Install the Floor Panel, Aft Center Cockpit - 121 CZ. Refer to the AMM - 25-11-20 - COCKPIT PANELS - INSTALLATION.
- (3) Install the Center Console Assembly including left and right Console Kick Panels, Fire Extinguisher and Parking Brake Cable. Refer to the AMM - 25-11-20 - COCKPIT PANELS - INSTALLATION.
- (4) Install the Throttle Quadrant. Refer to the AMM - 25-10-01 - THROTTLE QUADRANT - INSTALLATION.
- (5) Install the transition strip as necessary. Refer to the AMM - 25-21-25 - TRANSITION STRIPS - INSTALLATION.
- (6) Install the carpet as necessary. Refer to the AMM - 25-21-40 - CARPET ASSEMBLY - INSTALLATION.
- (7) Install the pilot and copilot seats. Refer to the AMM - 25-11-10 - COCKPIT SEAT - INSTALLATION.
- (8) Remove all tools, equipment and unwanted material from the work area.
- (9) If all other maintenance is complete, return the aircraft to service. Refer to the AMM 20-00-02 RETURN TO SERVICE (AFTER MAINTENANCE).

D. Limitations and Procedures

None

E. Parts Disposition

Not applicable

F. Cost

Contact Eclipse Aerospace Inc. for cost and availability.



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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 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 Inc. ATTN: Customer Care 2503 Clark Carr Loop SE Albuquerque, NM 87106
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