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SERVICE BULLETIN

NUMBER: SB 500-31-023, REV B
MODEL: ECLIPSE EA500
SUBJECT: CENTER SWITCH PANEL (CSP) INSPECTION/REPLACEMENT

1. PLANNING INFORMATION

A. Effectivity

Aircraft Serial Numbers 000001-000260 not modified by SB 500-99-004 or SB 500-99-005 and 000261-000265.

B. Reason

Replacement of Center Switch Panel boards to prevent an uncommanded release of the Phostrex agent for both engines.

Revision B changes: Changed effectivity to extend to 000265.

C. Description

This Service Bulletin inspects affected aircraft for Center Switch Panel (CSP) with serial numbers 1 - 999 and replaces the CSP when found.

D. Relevant Publications

None

E. Compliance

Eclipse Aerospace Inc. considers this to be an mandatory inspection and/or modification that must be accomplished not later than 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

CSP Inspection: 0.25 Hours

CSP Replacement: 4.0 Hours

Total labor hours: 4.25

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 to perform aircraft maintenance under 14 CFR 43 or equivalent approved by the Civil Aviation Authority having jurisdiction.

H. Weight and Balance Change

None



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I. Electrical Load Data Change

None

J. Software Accomplishment Summary

Not Applicable

K. References

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

L. Publications Affected

None

2. MATERIAL INFORMATION

A. Materials

Order Parts (if necessary, based on inspection) below.

(1) Parts

Part Number	Description	Qty	Unit of Issue
80-00883-017	Assembly, Panel Eclipse CSP (White/No Foot-well Switch)	1	EA.
80-00883-019	Assembly, Panel Eclipse CSP (White/Foot-well Switch)	1	EA.
80-00883-021	Assembly, Panel Eclipse CSP (Blue/No Foot-well Switch)	1	EA.
80-00883-023	Assembly, Panel Eclipse CSP (Blue/Foot-well Switch)	1	EA.

NOTE: CSP may be returned to Eclipse Aerospace for rework as an option.

B. Tooling

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

Nomenclature	Specification	Use
Avio Maintenance Computer or Weight-on-Wheels (WOW) Box	AMC - EAC, 20-120576-1001 or 21-121926-1001 WOW Box - EAC 87-117390-1001	Simulate Weight off wheels for Adjustment/Test, BIO Software loading
BIO Software Download Harness	20-122568-1001	BIO Software loading
AVIO Maintenance Computer Kit (CF-18) or AVIO Maintenance Computer Kit (CF-19)	20-120575-1001 or 20-121925-1001	BIO Software loading



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NOTE: Additional tooling/equipment may be required for Adjustment/Test, refer to Aircraft Maintenance Manual.

C. Interchangeability/Intermixability of Parts

None

D. Part Re-identification

None.

3. ACCOMPLISHMENT INSTRUCTIONS

A. Procedure

- (1) Make aircraft safe for maintenance. Refer to AMM 20-00-01 MAKE SAFE FOR MAINTENANCE.
- (2) Inspect CSP Serial Number. If Serial Number falls within 1 through 999, replace CSP. Refer to AMM 31-10-11-801 CENTER SWITCH PANEL DISPLAY -REMOVAL and AMM 31-10-11-041 - CENTER SWITCH PANEL DISPLAY-INSTALLATION.
 - (a) On replacement CSP, verify BIO software version, update BIO software if necessary. Refer to AMM 31-10-00 - DISPLAYS AND CONTROL PANELS - SERVICING, BIO Software Loading.
 - Avidyne equipped aircraft, BIO version 3.6
 - Avio NG equipped aircraft, BIO version 4.0
- (3) If all other maintenance is complete, return aircraft to service. Refer to AMM 20-00-02-051-801 RETURN TO SERVICE (AFTER MAINTENANCE).

B. Limitations and Procedures

None

C. Parts Disposition

Return removed CSP to Eclipse Aerospace

D. Cost

Contact Eclipse Aerospace Inc. for cost and availability.

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
Fax	1-505-241-8802
E-mail	sbcompliance@eclipseaerospace.net

