

NUMBER: SB 500-34-004, Rev B
MODEL: ECLIPSE EA500
SUBJECT: Standby Pitot/Static Probe Upgrade

Mandatory

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1. PLANNING INFORMATION

A. Effectivity

Aircraft: Model EA500 Serial Numbers 000001 through 000033.

B. Reason

This Service Bulletin (SB) replaces the original Standby Pitot/Static Probe that was, in limited circumstances, susceptible to icing, with a modified model.

Revision B changes include:

- Changed classification from Optional to Mandatory
- Changed compliance
- Added References
- Added more details to procedure
- Added parts disposition

C. Description

This SB replaces the original Standby Pitot/Static Probe P/N 100564-15 with Standby Pitot/Static Probe P/N 100564-18.

NOTE: The Standby Pitot/Static Probe P/N 100564-15 will no longer be available as a spare. In case of failure, a P/N 100564-15 Probe shall be replaced with a P/N 100564-18.

D. Relevant Publications

Aircraft Maintenance Manual PN 06-117751, latest revision.

E. Compliance

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

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 Set-Up: 0.5 Hour
 - Standby Pitot Static/Probe Removal: 0.5 Hour
 - Standby Pitot Static/Probe Installation: 0.5 Hour
 - Adjustment/Test: 1.0 Hour
 - Job Close-Up: 0.5 Hour
 - Total labor hours: 2.5**

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

I. Electrical Load Data Change

None

J. Software Accomplishment Summary

Not Applicable.

K. References

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

L. Publications Affected

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

Illustrated Parts Catalog (IPC) 06-117752, latest revision.

2 MATERIAL INFORMATION

A. Materials

Order parts below:

Part Number	Description	Qty
100564-18	Standby Pitot Static/Probe	1 EA.

B. Tooling

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

Nomenclature	Specification
Weight-on-Wheels (WOW) Box	(EAC, 87-117390-1001)
Air Data Test Set	Barfield DPS450 (or DPS500)
Air Data Accessories Kit	Nav Aids PN ADA500945
Thermocouple Thermometer	FLUKE 52 II Type K or equivalent

C. Interchangeability/Intermixability of Parts

None

D. Part Re-identification

None.

3. ACCOMPLISHMENT INSTRUCTIONS

A. Procedure

- (1) Job Set-Up
 - (a) Make aircraft safe for maintenance. Refer to AMM 20-00-01 MAKE SAFE FOR MAINTENANCE.
 - (b) Remove 211 CT - Nose Access Panel. Refer to AMM 53-10-11 NOSE ACCESS PANEL - REMOVAL
- (2) Remove Standby Pitot/Static Probe (P/N 100564-15). Refer to AMM-34-10-12 STANDBY PITOT/STATIC PROBE - REMOVAL.
- (3) Install Standby Pitot/Static Probe (P/N 100564-18). Refer to AMM-34-10-12 STANDBY PITOT/STATIC PROBE - INSTALLATION.

NOTE: Make sure to do adjustment/test required by AMM Standby Pitot/Static Probe Installation procedure.
- (4) Job Close-Up
 - (a) Install 211 CT - Nose Access Panel. Refer to AMM 53-10-11 NOSE ACCESS PANEL - INSTALLATION.
 - (b) If all other maintenance is complete, return aircraft to service. Refer to AMM 20-00-02 - RETURN TO SERVICE (AFTER MAINTENANCE).

B. Limitations and Procedures

None

C. Parts Disposition

Return Standby Pitot/Static Probe (P/N 100564-15) 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	customer care@EclipseAerospace.net

