

SERVICE BULLETIN

NUMBER: SB 500-57-007, REV B
MODEL: ECLIPSE EA500
SUBJECT: FUEL FILLER ADAPTER - LIGHTNING PROTECTION - INSPECTION/REWORK

1. PLANNING INFORMATION

A. Effectivity

Aircraft Serial Numbers 000039-000062

B. Reason

Some Fuel Filler Adapters (tip tank filler cap area) are primed and may be painted where they should not be. This affects the lightning path for the affected area.

C. Description

This Service Bulletin (SB) inspects the existing Fuel Filler Adapters for application of primer and paint, and if found, reworks the affected areas to restore lightning protection.

D. Relevant Publications

Illustrated Parts Catalog (IPC), P/N 06-117752, latest Rev.

E. Compliance

Eclipse Aviation Corporation considers this to be a mandatory modification that must be accomplished within 10 hours or 30 days, whichever comes first, from the issue date of this SB.

Rev B of this Service Bulletin is a clarification of some items in Rev A. Compliance with Rev A of this Service Bulletin also constitutes compliance with Rev B for the aircraft that were found to be without primer.

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:

Inspection: 5 minutes

Primer Removal: 30 minutes (both sides)

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) Suggested number of personnel: 1

(3) Qualification of personnel:

- Airframe & Powerplant (A&P) License

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H. References

Aircraft Maintenance Manual (AMM), P/N 06-117751, Rev. 7 or later.

Illustrated Parts Catalog (IPC), P/N 06-117752, latest Rev.

2. MATERIAL INFORMATION

A. Consumables

The following consumables are required for this Service Bulletin.

Material	Specification	Use
Paint Remover	Eldorado PR-5044.	To remove primer and paint.
Alodine	1201 or equivalent	Chemical conversion coating for aluminum.

3. ACCOMPLISHMENT INSTRUCTIONS

A. Procedure

- (1) Make the aircraft safe for maintenance. Refer to AMM 20-00-01.
- (2) Inspect right and left Fuel Filler Adapters for application of primer and paint (yellow strip visible in [Figure. 1, Sheet 1](#)). If found, proceed to the next step. If not found return the aircraft to service.
- (3) Remove fuel filler cap.
- (4) Insert rag(s) into the Fuel Filler Adapters to prevent fuel contamination while removing the primer and paint.

CAUTION: MAKE SURE THAT RAGS COMPLETELY BLOCK THE SPACE THROUGH WHICH CONTAMINANTS COULD ENTER THE FUEL TANK.

- (5) Use paint remover applied with a clean rag to remove primer from the areas shown in [Figure. 1, Sheet 1](#) and [Figure. 2, Sheet 1](#).

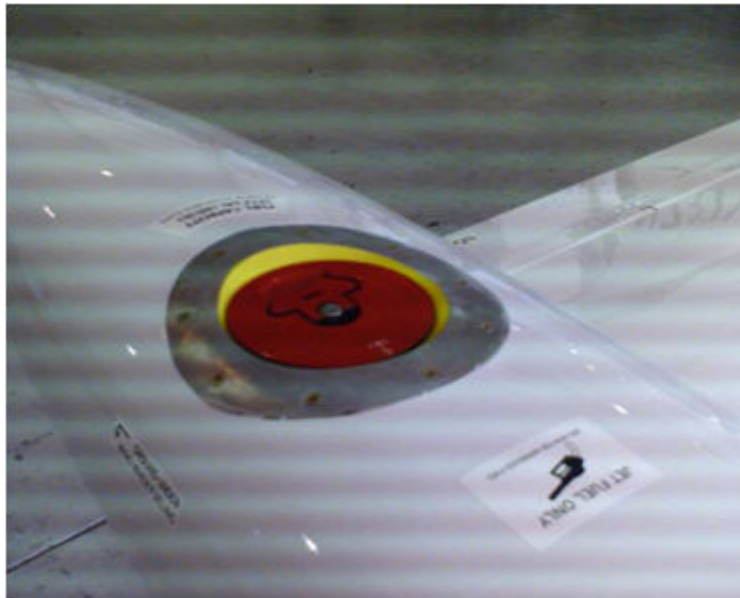
CAUTION: DO NOT USE SCOURING PADS OR ANY OTHER ITEMS TO REMOVE THE PRIMER THAT COULD GOUGE OR SCRATCH THE SURFACE BEING REWORKED.

- (6) Make sure that reworked surface is clean, free of primer, paint, gouges, scratches and pits.
- (7) Apply Alodine to reworked area as per manufacturer's instructions.
- (8) Remove rag(s) from the Fuel Filler Adapters when Alodine process is complete.

CAUTION: USE CARE WHEN REMOVING RAGS FROM THE FUEL FILLER ADAPTER TO AVOID FUEL CONTAMINATION FROM PRIMER AND PAINT REMOVER. MAKE SURE THAT ALL RAGS ARE REMOVED FROM THE FUEL FILLER ADAPTER.

- (9) Install fuel filler cap.
- (10) If all other maintenance is complete, return aircraft to service. Refer to AMM 20-00-02-051-921-001.

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**Primer Application on Fuel Filler Adapter
Figure 1 (Sheet 1 of 1)**



ALERT

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B. Cost

Parts and Labor will be supplied by Eclipse Aviation Corporation at no charge to the aircraft owner. This Service Bulletin must be accomplished at an Eclipse Aviation Service Center.

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 4100 Aerospace Parkway Albuquerque, NM 87121
FAX	1-505-241-8802
E-MAIL	customercare@EclipseAviation.com

SERVICE BULLETIN COMPLIANCE RECORD

SB 500-57-007, Rev B: Fuel Filler Adapter - Lightning Protection - Inspection/Rework

MODEL _____ AIRPLANE S/N _____ REG. NO. _____ TOTAL TIME _____ (HOURS)

OWNER NAME:

ADDRESS: _____

TELEPHONE NO. (____) _____ FAX NO. (____) _____

COMPLIANCE WITH SB 500-57-007, Rev B

DESCRIPTION OF WORK PERFORMED

(Inspection | Modification | Repair | Option Installation | Defect or Damage Found, if applicable)

Fuel Filler Adapter Inspection, Left and Right _____

Fuel Filler Adapter Rework, Left and Right (Yes/No) _____

DATE _____

WORK PERFORMED

BY _____ (PRINTED)

_____ (SIGNATURE)

COMPANY _____

ADDRESS _____

TELEPHONE _____ FAX _____