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V2500-D5 SERIES PROPULSION SYSTEMS SERVICE BULLETIN

Printed in Great Britain

This document transmits the Initial Issue of Service Bulletin EV2500-73-0156

Bulletin Initial Issue

Remove

Incorporate
Pages 1 to 7 of the
Service Bulletin

Reason for change
Initial issue

V2500-ENG-73-0156
Transmittal - Page 1 of 2

CHECK THAT ALL PREVIOUS TRANSMITTALS HAVE BEEN INCORPORATED
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LIST OF EFFECTIVE PAGES

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ENGINE FUEL AND CONTROL – FUEL TUBES ENGINE – INTRODUCTION OF A REVISED FUEL TUBE
SUPPORT BRACKET

1. Planning Information

A. Effectivity

(1) Boeing – Longbeach Division MD-90

V2525-D5, V2528-D5 Engines

(2) ATA Location

73-11-49

B. Concurrent Requirements

None.

C. Reason

(1) Condition

Cracking of the fan case LP fuel tube support bracket may occur. The problem has been attributed to undue stress caused by the relative axial rigidity of the fuel tube.

(2) Background

The problem has been experienced on engines in service.

(3) Objective

Incorporation of this Service Bulletin (Modification) is designed to maintain reliability.

(4) Substantiation

The changes introduced by this Service Bulletin have been the subject of satisfactory engineering analysis, successful vibration testing and a successful assembly check has been carried out.

(5) Effect of Bulletin on:

(a) Operation

Not affected.



(b) Maintenance

Not affected.

(c) Overhaul

Not affected.

(d) Repair Schemes

Not affected.

(e) Interchangeability

Not affected.

(f) Fits and Clearances

Not affected.

D. Description

- (1) This Service Bulletin covers the fitment of a fan case mounted LP fuel tube support bracket incorporating design changes to prevent stress related cracking of the bracket.
- (2) A revised LP fuel tube support bracket is introduced similar to the existing item except for the following changes:
 - (a) A bend in the bracket parent material is introduced to replace the weld bead at the base of the vertical support.
 - (b) The bend relief holes have been deleted.
 - (c) The rear tube support feet have been widened.
 - (d) The middle part of the bracket has been simplified such that the curled sides now run parallel to each other.

E. Compliance

Category Code 6

Accomplish when the sub assembly (i.e. modules, accessories, components, build groups) is disassembled sufficiently to afford access to the affected part and to all affected spare parts.



F. Approval

The part number transactions shown in section 2. Material Information of this Service Bulletin have been shown to comply with the applicable Federal Aviation Regulations and are FAA approved for the engine models listed.

G. Manpower

Estimated man hours to incorporate the full intent of this Service Bulletin:

In service

Not affected.

At Overhaul

Not affected.

H. Material Price and Availability

Modification kit is not required.

For prices and availability of future spares, refer to the IAE Price Catalogue or contact the IAE Spare Parts sales department.

I. Tooling Price and Availability

Special tools are not required

J. Industry Support Information

None.

K. Weight and Balance

(1) Weight Change

None.

(2) Moment Arm

None.

(3) Datum

Engine front mount centreline (Power Plant Station PPS 100).

L. Electrical Load Data

Not affected.



M. Software Accomplishment Summary

Not applicable.

N. References

- (1) IAE Engineering Change Number 01VR017

O. Other Publications Affected

- (1) Illustrated Parts Catalog (IPC), S-V2500-3IA and 3IB, Chapter/Section 73-11-49 will be revised.
- (2) Component Maintenance Manual, Chapter/Section 73-11-49, Cleaning-01, Config-01 and Inspection-01, Config-01.

P. Interchangeability of Parts

Not affected.



2. Material Information

A. Prices:

PART NO.	UNIT PRICE US DOLLARS
6A7700	577.00

NOTE: The unit prices, if shown, are an estimate and they are given for the purpose of planning only. For actual prices, refer to the IAE Price Catalogue or contact IAE's spare parts sales department.

B. The kit required consists of the following parts:

None.

C. Parts to be reworked:

None.

D. New production parts:

73-11-49

FIG ITEM NO.	NEW PART NO.	QTY	PART TITLE	MAT	OLD PART NO.	INSTR DISP
03450	6A7700	1	Bracket, assembly - tube support	-	6A4941	(A)(S1)

E. Instructions disposition codes:

(A) New standard of unit will be made available from August 2002.

(S1) Old and new parts are freely and fully interchangeable.



3. Accomplishment Instructions

A. Rework Instructions

None.

B. Assembly Instructions

The revised fuel tube support bracket introduced by this Service Bulletin is freely and fully interchangeable with the existing item. Remove and Install in accordance with current Overhaul procedures (Engine Manual, 72-00-32, Removal-05, Config-03 and Installation-01, Config-01).

C. Recording Instructions

A record of accomplishment is required.



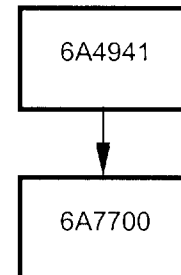
V2500-D5 LP Fuel Tube Support Bracket Family Tree *

Service Bulletin Number

BASELINE

V2500-ENG-73-0156

Introduction of a revised Fuel Tube Support Bracket.



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V2500-D5 LP Fuel Tube Support Bracket - Family Tree

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Not subject to the EAR per 15 C.F.R. Chapter 1, Part 734.3(b)(3).

