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V2500-A5 SERIES PROPULSION SYSTEMS SERVICE BULLETIN

Printed in Great Britain

This document transmits the Initial Issue of Service Bulletin V2500-ENG-72-0563
and the Initial Issue of the Supplement
Service Bulletin Initial Issue

Remove	Incorporate	Reason for change
	Pages 1 to 6 of the Service Bulletin	Initial Issue.
<u>Supplement Initial Issue</u>		

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	Page 1 of the Supplement	Initial Issue.

V2500-ENG-72-0563

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ENGINE – LP TURBINE – INTRODUCTION OF TURBINE VANES STAGE 31. Planning InformationA. Effectivity

(1) Airbus 319

(a) V2522-A5, V2524-A5, V2527M-A5 Engines from Serial No. V15002 (SelectOne Production Standard).

(2) Airbus A320

(a) V2524-A5, V2527-A5, V2527E-A5 Engines from Serial No. V15002 (SelectOne Production Standard).

(3) Airbus A321

(a) V2530-A5, V2533-A5 Engines from Serial No. V15002 (SelectOne Production Standard).

B. Concurrent Requirements

The incorporation of this Service Bulletin must be done in conjunction with the Service Bulletins that follow:

V2500-ENG-72-0561	ENGINE – HIGH PRESSURE (HP) COMPRESSOR – V2500 SELECTONE PRODUCTION – HP COMPRESSOR UPGRADE
V2500-ENG-72-0562	ENGINE – HIGH PRESSURE (HP) TURBINE – V2500 SELECTONE PRODUCTION AND RETROFIT – HP TURBINE UPGRADE

C. Reason

(1) Condition

Introduction of restaggered LP Turbine Vanes Stage 3 as baseline configuration for the V2500 SelectOne Production Standard engines.

(2) Background

Airfoil of Vanes Stage 3 had to be restaggered in order to be conform with the upstream changes in the HPC and HPT in connection with the V2500 SelectOne Production Standard engines.

(3) Objective

To introduce new Turbine Vanes Stage 3 suitable for V2500 SelectOne Production Standard engines.

(4) Substantiation

The new configuration has been evaluated and certified by means of engine testing including validation and certification.

(5) Effect of Bulletin on:

(a) Operation

Not affected.

(b) Maintenance

Not affected.

(c) Overhaul

Affected.

(d) Repair Schemes

Affected

(e) Interchangeability

Affected

(f) Fits and Clearances

Not affected.

(6) Supplementary Information

None

D. Description

- (1) This Service Bulletin introduces parts for the baseline V2500 SelectOne Production Standard engines.

E. Compliance

Category Code 8

Accomplish based upon experience with the prior configuration.

F. Approval

The part number changes and/or part modifications described in sections 2 and 3 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**(1) In Service**

Not applicable.

(2) At Overhaul

Not applicable.

NOTE: The parts affected by this Service Bulletin are accessible at overhaul.

H. Material Price and Availability**(1) Modification Kit is not required.****(2) Refer to 2. Material Information for parts availability.****(3) Refer to the Supplement of this Service Bulletin for prices.****I. Tooling Price and Availability**

Not applicable.

J. Industry Support Information

None.

K. Weight and Balance**(1) Weight Change**

Not applicable.

(2) Moment Arm

Not affected.

(3) Datum

Engine Front Mount Centreline (Power Plant Station (PPS) 100).

L. Electrical Load Data

This Service Bulletin has no effect on the aircraft electrical load.

M. Software Accomplishment Summary

Not applicable.

N. References

- (1) IAE V2500 Engine Manual (E-V2500-1IA), Chapter/Section 72-50-10.
- (2) Internal Reference No.:
Engineering Change No. 07SEL01M, 07SEL01M-01.
- (3) ATA Locator - 72-50-22.

O. Other Publications Affected

- (1) IAE V2500 Engine Manual (E-V2500-1IA), Chapter/Section 72-50-22, Cleaning, to add the new part numbers.
- (2) IAE V2500 Engine Manual (E-V2500-1IA), Chapter/Section 72-50-22, Inspection/Check, to add the new part numbers.
- (3) IAE V2500 Engine Manual (E-V2500-1IA), Chapter/Section 72-50-22, Repair, to add the new part numbers.
- (4) IAE V2500 Engine Illustrated Parts Catalogue (S-V2500-2SA, S-V2500-2SB, S-V2500-5SA, S-V2500-5SB, S-V2500-6SA, S-V2500-6SB, S-V2500-7SA, S-V2500-7SB), Chapter/Section 72-50-22 will include the new part numbers (Refer to 2. Material Information).

P. Interchangeability of Parts

Affected (Refer to paragraph 2.D. Instruction Disposition Codes).

2. Material Information

A. The kit required consists of the following parts:

None.

B. Parts to be reworked:

Not applicable.

C. New Production Parts:

NOTE: The new parts are introduced as a baseline standard for V2500-A5 engines, which have installation arrangement number SQ02 or SQ03 (SelectOne) engraved on the engine data plate on the same Fig/Item No. as the old parts of the V2500-A5 engines, which have installation arrangement number AQ02 or AQ03 engraved on the engine data plate. The old parts are mentioned for information only.

Refer to the Supplement of this Service Bulletin.

FIG ITEM NO.	NEW PART NO.	QTY	PART TITLE	MAT	OLD PART NO.	INSTR DISP
72-50-22						
01-750	3A2926	27	.Vane, A/O Turbine Stage 3	-	3A2412	(A)(B)(S1)
01-780	3A2929	2	.Vane, A/O Turbine Stage 3	-	3A2415	(A)(B)(S1)

D. Instruction and Disposition Codes

(A) New part is currently available for sale.

(B) Old part will continue to be available for sale.

(S1) Old and new parts are not interchangeable.

3. Accomplishment Instructions

A. Rework Instructions

- (1) None.

B. Assembly Instructions

- (1) For assembly instructions refer to the Engine Manual, TASK 72-50-10-430-000.

C. Recording Instructions

- (1) A record of accomplishment is required.

ENGINE - LP TURBINE - INTRODUCTION OF TURBINE VANES STAGE 3SUPPLEMENT - PRICES AND AVAILABILITY

The prices shown are for estimating purposes only and as such are given in good faith without commercial liability for advanced planning purposes only. Refer to IAE Spares and/or current price catalogue for current prices.

1. New Production Parts:

Part No.	Description	Unit Price US Dollars
3A2926	.Vane, A/O Turbine Stage 3	7,237.00
3A2929	.Vane, A/O Turbine Stage 3	8,107.00