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**V2500-A5/D5 SERIES PROPULSION SYSTEM SERVICE BULLETIN**

Printed in Great Britain

This document transmits the Initial Issue of Service Bulletin EV2500-72-0441 and the Initial Issue of the Supplement

Bulletin Initial Issue

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LIST OF EFFECTIVE PAGES

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Printed in Great Britain



ENGINE - HP COMPRESSOR STATOR VANES - DELETION OF STAGE 7, 8 AND 11 RETAINING VANES

1. Planning Information

A. Effectivity

(1) Airbus A319

V2522A5, V2524-A5, V2527M-A5 Engines prior to Serial No V11525

(2) Airbus A320

V2527-A5, V2527E-A5 Engines prior to Serial No V11525

(3) Airbus A321

V2530-A5, V2533-A5 Engines prior to Serial No V11525

(4) Boeing Longbeach Division MD-90

V2525-D5, V2528-D5 Engines prior to Serial No V20286

B. Concurrent Requirements

None.

C. Reason

(1) Problem

A design review of the HP Compressor has shown that the build process of stage 7, 8 and 11 may be simplified by deleting the requirement for the insulating strip retaining vanes.

(2) Evidence

See (1) Problem.

(3) Substantiation

The changes introduced by this Service Bulletin (modification) have been the subject of satisfactory engineering analysis.

(4) Objective

Incorporation of this Service Bulletin is designed to simplify the HP Compressor system.

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(5) Effect of Bulletin on:

(a) Operation

Not affected.

(b) Maintenance

Not affected.

(c) Overhaul

Not affected

(d) Repair Schemes

None.

(e) Interchangeability

Not affected.

(f) Fits and Clearances

Not affected.

D. Description

(1) This Service Bulletin deletes the HP Compressor retaining vanes and replaces them with standard production nominal vanes. The changes introduced are:

(a) The HP Compressor stage 7, 8 and 11 retaining vanes (quantity 4 per stage) have been deleted.

(b) The quantity of nominal HP Compressor stage 7 vanes has been increased from 56 to 60.

(c) The quantity of nominal HP Compressor stage 8 vanes has been increased from 54 to 58.

(d) The quantity of nominal HP Compressor stage 11 vanes has been increased from 58 to 62.

E. Compliance

Category Code 7.

Accomplish when supply of superseded parts has been depleted.



F. Approval

The part number changes and/or part modifications specified in the Accomplishment Instructions and Material Information sections of this Service Bulletin have been shown to comply with the applicable Federal Aviation Regulations and are FAA-APPROVED for the engine model(s) given.

G. Manpower

(1) In service

Not Applicable.

(2) At overhaul

Not affected.

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

H. Material Price and Availability

Modification kit not required; parts supplied as single line items.

For prices and availability of future spares see supplement to this bulletin.

I. Tooling Price and Availability

Special tools are not required.

J. Industry Support Information

Not applicable.

K. Weight and Balance

(1) Weight Change

None.

(2) Moment Arm

No effect.

(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) Engine Manual (A5), 72-41-00 and 72-41-20, Assembly, Config-02.
- (2) Engine Manual (D5), 72-41-00 and 72-41-20, Assembly.
- (3) Internal Reference No. - 02VR014.
- (4) ATA Locator - 72-41-22.

O. Other Publications Affected

- (1) Illustrated Parts Catalogue (IPC) SV2500-1IA, 3IA, Chapter/Section 72-41-22 will be revised.
- (2) Engine Manual (A5), 72-41-00 and 72-41-20, Assembly, Config-02.
- (3) Engine Manual (D5), 72-41-00 and 72-41-20, Assembly.

P. Interchangeability of Parts

New parts from any stage are freely and fully interchangeable with the replaced parts together with the redundant parts from that stage.



## 2. Material Information

### A. The kit required consists of the following parts:

None.

### B. Parts to be reworked:

None.

### C. New production parts:

All Engines

72-41-22

FIG ITEM NO.	NEW PART NO.	QTY	PART TITLE	MAT	OLD PART NO.	INSTR DISP
02400	6A7425C01	60	.Vane, stage 7 - HP Compressor Nominal.	-	6A7425C01	(A)(1D)
03400	6A4245C01	58	.Vane, stage 8 - HP Compressor Nominal.	-	6A4245C01	(A)(2D)
06400	6A4237C01	62	.Vane, stage 11 - HP Compressor Nominal.	-	6A4237C01	(A)(3D)

### D. Redundant Parts:

All Engines

FIG ITEM NO.	NEW PART NO.	QTY	PART TITLE	MAT	OLD PART NO.	INSTR DISP
02150	-	4	Vane, stage 7	-	6A7426	(A)(B)
03150	-	4	Vane, stage 8	-	6A4250	(A)(B)
06150	-	4	Vane, stage 11	-	6A4241	(A)(B)

### E. Instruction Disposition Codes:

(A) New part is currently available.

(B) Old part becomes redundant upon embodiment of this modification.

(1D) Quantity increased from 56 to 60.

(2D) Quantity increased from 54 to 58.

(3D) Quantity increased from 58 to 62.



### 3. Accomplishment Instructions

#### A. Rework Instructions

- (1) None.

#### B. Assembly Instructions

- (1) For the correct assembly instructions refer to Engine Manual, (A5), 72-41-00 and 72-41-20, Assembly, Config-02 or Engine Manual, (D5), 72-41-00 and 72-41-20, Assembly.

#### C. Recording Instructions

- (1) A record of accomplishment is necessary.



ENGINE - HP COMPRESSOR STATOR VANES - DELETION OF STAGE 7, 8 AND 11 RETAINING VANESSUPPLEMENT - PRICES AND AVAILABILITY

The prices if 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. Modification Kit

Not applicable. Parts supplied as single line items

2. New Production Parts

Part No.	Desc.	Unit Price US Dollars
6A7425C01	Vane, Stage 7	453.00
6A4245C01	Vane, Stage 8	424.00
6A4237C01	Vane, Stage 11	377.00

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