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DATE: Apr.30/12

V2500-A5/D5 SERIES PROPULSION SYSTEMS SERVICE BULLETIN

This document transmits the Initial Issue of Service Bulletin V2500-ENG-70-0997.

Service Bulletin Initial Issue

Remove	Incorporate	Reason for change
	Pages 1 to 5 of the Service Bulletin.	Initial Issue.
	Page 1 of the Supplement.	Initial Issue.

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ENGINE – HIGH PRESSURE (HP) COMPRESSOR – REAR STATIC SEAL WITH CHANGED METHOD OF
MANUFACTURING

1. Planning Information

A. Effectivity

(1) Airbus A319

- (a) V2522-A5, V2524-A5, V2527M-A5 Engines from Serial No. V10001 to Serial No. V13190.
- (b) V2522-A5, V2524-A5, V2527M-A5 Engines from Serial No. V15001 to Serial No. V16275 and from Serial No. V16332 to Serial No. V16411.

(2) Airbus A320

- (a) V2527-A5, V2527E-A5 Engines from Serial No. V10001 to Serial No. V13190.
- (b) V2527-A5, V2527E-A5 Engines from Serial No. V15001 to Serial No. V16275 and from Serial No. V16332 to Serial No. V16411.

(3) Airbus A321

- (a) V2530-A5, V2533-A5 Engines from Serial No. V10001 to Serial No. V13190.
- (b) V2530-A5, V2533-A5 Engines from Serial No. V15001 to Serial No. V16275 and from Serial No. V16332 to Serial No. V16411.

(4) Boeing MD-90

- (a) V2525-D5, V2528-D5 Engines from Serial No. V20001 to Serial No. V20285.

B. Reason

The HP compressor rear static seal assembly comprises a cone, a vent connector and a seal carrier. To improve the method of manufacture, the new cone is flow formed from sheet metal and needs machining only on the mating faces and fits.

C. Description

This Service Bulletin introduces a new cone for the HP compressor rear static seal assembly, which is flow formed from sheet metal. This new cone requires minor changes to the profile and wall thickness. The physical interfaces of the cone remains unchanged.

D. Compliance

Category Code 7

Accomplish when the supply of superseded parts has been depleted.

E. 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.

F. Weight and Balance

(1) Weight Change

Plus 0.2 lb (0,112 kg).

(2) Moment Arm

31.3 in. (795 mm) rearward of datum.

(3) Datum

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

G. References

(1) Internal Reference No.

Engineering Change No. 10VR002, 10VR002-01 and 10VR002-02.

(2) ATA Locator - 72-42-50.

H. Other Publications Affected

(1) V2500 Engine Illustrated Parts Catalogues (S-V2500-2IA, S-V2500-2IB, S-V2500-2SA, S-V2500-2SB, S-V2500-3IA, S-V2500-3IB, S-V2500-3IC, S-V2500-5IA, S-V2500-5IB, S-V2500-5SA, S-V2500-5SB, S-V2500-6IA, S-V2500-6IB, S-V2500-6SA, S-V2500-6SB, S-V2500-7IA, S-V2500-7IB, S-V2500-7SA and S-V2500-7SB), Chapter 72-42-50 will be amended to incorporate the new part number (Refer to paragraph 2. Material Information).

(2) V2500 Engine Manual (E-V2500-1IA/3IA), Chapter 72-42-50 Cleaning and Inspection/Check will be amended to incorporate the new part number (Refer to paragraph 2. Material Information).

(3) V2500 Engine Manual (E-V2500-1IA/3IA), Chapter 72-42-50 Repairs VRS6116, VRS6203, VRS6231 and VRS6639 will be amended to incorporate the new part number (Refer to paragraph 2. Material Information).

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I. Interchangeability of Parts

Not affected.

2. Material Information

A. The kit required consists of the following parts:

None.

B. Parts to be reworked:

None.

C. New production parts:

Applicability: For all V2500-A5 and V2500-D5 Engines

FIG ITEM NO.	NEW PART NO.	QTY	PART TITLE	MAT	OLD PART NO.	INSTR DISP
72-42-50						
01-100	6B1412	1	.High Pressure (HP) compressor rear static seal	-	6A4447	(A)(S1)

D. Redundant parts:

None.

E. Instruction disposition codes:

(A) The new part is available for sale.

(S1) The old and new parts are fully interchangeable.

3. Accomplishment Instructions

None.

ENGINE – HIGH PRESSURE (HP) COMPRESSOR – REAR STATIC SEAL WITH CHANGED METHOD OF
MANUFACTURING

SUPPLEMENT – 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.

2. New Production Parts:

Part No.	Description	Unit Price US Dollars
6B1412	High Pressure (HP) compressor rear static seal	87,530.00

Part is available for sale.



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Explanatory notes:

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