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DATE: Nov.15/11

V2500-A5 SERIES PROPULSION SYSTEMS SERVICE BULLETIN

This document transmits the Initial Issue of Service Bulletin V2500-ENG-70-0995.

Service Bulletin Initial Issue

Remove	Incorporate	Reason for change
	Pages 1 to 7 of the Service Bulletin.	Initial Issue.
	Page 1 of the Appendix.	Initial Issue.

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CHECK THAT ALL PREVIOUS TRANSMITTALS HAVE BEEN INCORPORATED
 If any have not been received please advise IAE International Aero Engines AG

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INFORMATION – ENGINE – INNER AND OUTER COMBUSTION CHAMBER LINERS WITH ADDITION OF
SINGLE CRYSTAL MATERIAL ON ROWS 3 AND 4

1. Planning Information

A. Effectivity

(1) Airbus A319

(a) V2522-A5, V2524-A5, V2527M-A5 (A5 SelectOne™ Production Standard).

Engine Serial Nos. – Any production engine delivered as SQ04 or SQ05 variant from Engine Serial No. V15759 onwards.

(2) Airbus A320

(a) V2527-A5, V2527E-A5 (A5 SelectOne™ Production Standard).

Engine Serial Nos. – Any production engine delivered as SQ04 or SQ05 variant from Engine Serial No. V15759 onwards.

(3) Airbus A321

(a) V2530-A5, V2533-A5 (A5 SelectOne™ Production Standard)

Engine Serial Nos. – Any production engine delivered as SQ04 or SQ05 variant from Engine Serial No. V15759 onwards.

B. Concurrent Requirements

Not applicable.

C. Reason

- (1) Condition: Inner and outer combustion chamber liners with single crystal material on row 3 and 4 were released in accordance with Service Bulletin V2500-ENG-72-0447, Rev.2, dated December 2009 for customers operating in severe environments. These combustor liner segments were previously only available as spareable details for delivered engines only and not available for production engines.
- (2) Background: The single crystal liner segments are not available for production engines.
- (3) Objective: Release new combustor assembly and module part numbers in addition to new engine SQ04 and SQ05 configurations to the V2500 SelectOne™ production standard engines.

(4) Effects of Bulletin on:

Removal/Installation: Not affected.

Disassembly/Assembly: Not affected.

Cleaning: Not affected.

Inspection/Check: Not affected.

Repair: Not affected.

Testing: Not affected.

(5) Supplemental Information

None.

D. Description

The severe environment engine provides improved Thermal Mechanical Fatigue (TMF) properties.

E. Compliance

Category 8

Accomplish based upon the experience with the prior configuration.

F. Approval Data

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.

The technical content of this document is approved under the authority of DOA No. EASA.21J.031.

G. Manpower

(1) In Service

Not applicable.

(2) At Overhaul

Applicable (hours not affected).

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

Plus 1.0 lb (0,46 kg).

(2) Moment Arm

No effect.

(3) Datum

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

I. Electrical Load Data

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

J. Software Accomplishment Summary

Not applicable.

K. References**(1) Internal Reference No.:**

EC 00VA027Y, 00VA027Y-01 and 00VA027Y-02.

(2) ATA Locator - 72-40-00.**(3) This Service Bulletin is subject to Aircraft Modification No. 151850 P12356.**

Under no circumstances shall the modified equipment, resulting from the application of this SB, be installed on the aircraft type unless the corresponding modification, and if applicable, its aircraft SB are approved.

L. Other Publications Affected

- (1) IAE V2500 Engine Illustrated Parts Catalogues (S-V2500-2NA, S-V2500-2NB, S-V2500-5NA, S-V2500-5NB, S-V2500-6NA, S-V2500-6NB, S-V2500-7NA and S-V2500-7NB), Chapters 72-42-00, 72-42-61, 72-44-00 and 72-44-30 will be amended to incorporate the new part numbers (Refer to section 2. Material Information).

M. Interchangeability of Parts

Not applicable.

N. Information in the Appendix

Alternate Accomplishment Instructions (No)

Progression Charts (No)

Added Data (Yes)

Revision to Table of Limits (No)

Inspection Procedures (No)

2. Material Information

A. Material – Price and Availability:

Not applicable.

B. Industry Support Program

Not applicable.

C. The material data that follows is for each engine.

For V2522-A5 (SelectOne™), V2524-A5 (SelectOne™), V2527-A5 (SelectOne™), V2527E-A5 (SelectOne™), V2527M-A5 (SelectOne™), V2530-A5 (SelectOne™), V2533-A5 (SelectOne™) Engines:

FIG ITEM NO.	NEW PART NO.	QTY	PART TITLE	MAT	OLD PART NO.	INSTR DISP
72-42-00						
01-001	2A0700	REF	GROUP, DIFFUSER AND COMBUSTION	-		(S00)
72-42-61						
01-501	2A4284-01	1	.ASSEMBLY, COMBUSTION CHAMBER, OUTER	-		(S00)
01-620	2A3804	10	..LINER SEGMENT, COMBUSTION- CHAMBER, 30D			(S00)
01-610	2A3805	10	..LINER SEGMENT, COMBUSTION- CHAMBER, 40D			(S00)
72-44-00						
01-001	2A1500	REF	GROUP, TURBINE NOZZLE	-		(S00)
72-44-30						
01-401	2A4283-01	1	.ASSEMBLY, COMBUSTION CHAMBER, INNER	-		(S00)
01-600	2A3806	10	..LINER SEGMENT, COMBUSTION- CHAMBER, 31D			(S00)
01-580	2A3807	10	..LINER SEGMENT, COMBUSTION- CHAMBER, 41D			(S00)

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D. Instructions/Disposition Code Statements:

Parts Modification Conditions

Not applicable.

Spare Parts Availability

(S00) The new part is available as a Sales Order Option

E. Tooling – Price and Availability

Not applicable.

F. Reidentified Parts

Not applicable.

G. Other Material Information Data

Not applicable.

3. Accomplishment Instructions

Not Applicable.

APPENDIX 1Added Data

Internal Reference Information

Revision No.	Reference Document	Origination
Original	EC00VA027Y, EC00VA027Y-01, EC00VA027Y-02	AR/JDH



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- Quality rating of the Accomplishment Instructions	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
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Explanatory notes:

Operator:	Overhaul Site:
Name/Title:	Date:

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