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DATE: **Sep.20/01****V2500-A1/A5/D5 PROPULSION SYSTEMS SERVICE BULLETIN**

Printed in Great Britain

This document transmits the Initial Issue of Service Bulletin EV2500-70-0809

Bulletin Initial Issue

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Service Bulletin

Reason for change
Initial issue

V2500-ENG-70-0809

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CHECK THAT ALL PREVIOUS TRANSMITTALS HAVE BEEN INCORPORATED

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LIST OF EFFECTIVE PAGES

The effective pages to this Service Bulletin are as follows:

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ENGINE – PROVIDE NEW COMBUSTOR GANG CHANNEL NUT ASSEMBLY

1. Planning Information

A. Effectivity

(1) Airbus A319

V2522-A5, V2524-A5, V2527M-A5 Engine No. V10001 thru V11240*

(2) Airbus A320

(a) V2500-A1 Engine No. V0001 thru V0361

(b) V2527-A5, V2527E-A5 Engine No. V10001 thru V11240*

(3) Airbus A321

V2530-A5, V2533-A5 Engine No. V10001 thru V11240*

(4) Boeing – Longbeach Division MD-90

V2525-D5, V2528-D5 Engine No. V20001 thru V20285

* This estimate of engine serial numbers will be revised, if necessary, when parts are installed in engines at Pratt and Whitney

(5) ATA Locator 72-44-00

B. Concurrent Requirements

There are no concurrent requirements.

C. Nature/Reason

(1) Condition:

The Inner Combustion Chamber Gang Channel is not meeting current life expectation.

(2) Background:

The Channel is experiencing significant thermal mismatch with the mating Combustor Liner during operation.

(3) Objective:

Incorporate a nickel-brazed gang channel material to reduce the thermal mismatch with the mating combustor liner.

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



(4) Substantiation:

The redesigned Gang Channel was analytically assessed and accepted by engineering. The material change eliminates the thermal mismatch of the Gang Channel and Liner.

D. Description

Replace the Gang Channel Nuts with new Gang Channel Nuts.

E. Compliance

Category 7

Accomplish when supply of superseded parts has been depleted.

F. Approval Data

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

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

Venue	Estimated Manhours
In Service	Not Applicable
At Overhaul	Not Applicable

H. Weight and Balance

Weight Change	None
Moment	No Effect
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

Internal reference 00VA002



L. Other Publications Affected

1. V2500 Engine Illustrated Parts Catalogs (S-V2500-1IA, S-V2500-2IA, S-V2500-2IB, S-V2500-3IA, S-V2500-3IB, S-V2500-5IA, S-V2500-5IB, S-V2500-6IA, S-V2500-6IB, S-V2500-7IA, and S-V2500-7IB), Chapter/Section 72-44-30.

M. Interchangeability of Parts

Old and new parts are directly interchangeable.

N. General Information

1. The material Information portion of this Bulletin provides the latest information concerning the availability and part hierarchy for the Combustor Gang Channel Nut Assembly.

2. Material Information

A. Material – Price and Availability

1. Part prices were not available at the time of Service Bulletin publication. Contact IAE's Spare Parts Sales Department for firm quotations.
2. Part availability information is provided in material data Instructions-Disposition.

B. Industry Support Program

Not Applicable.

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

NOTE: 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 Catalog for current prices.

For V2500-A1, V2522-A5, V2524-A5, V2527-A5, V2527E-A5, V2527M-A5, V2530-A5, V2533-A5, V2525-D5, V2528-D5 Engines:

New PN	Qty	Estimate of Unit Price (\$)	Keyword	Old PN(ATA/IPC NO.)	Instructions-Disposition
2A3516-01	4	*	...Nut,S.L., Gang Channel	2A1009-01 (72-44-30-01-501)	(2)(B)(L))

D. Instructions/Disposition Code Statements:

- (2) The new part is a replacement part only, and cannot be obtained by modification of the old part.
- (B) The new part will be available approximately October 2001.
- (L) The old part will be supplied until the supply is depleted.

3. Accomplishment Instructions

None