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DATE: Aug.23/12

V2500-A1/A5/D5 SERIES PROPULSION SYSTEMS SERVICE BULLETIN

This document transmits the Initial Issue of Service Bulletin V2500-ENG-70-1003.

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.

V2500-ENG-70-1003

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INFORMATION – IGNITION – INTRODUCTION OF A NEW IGNITER PLUG**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. V16486.

(2) Airbus A320

- (a) V2500-A1 Engines from Serial No. V0001 to Serial No. V0361.
- (b) V2527-A5, V2527E-A5 Engines from Serial No. V10001 to Serial No. V13190.
- (c) V2527-A5, V2527E-A5 Engines from Serial No. V15001 to Serial No. V16486.

(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. V16486.

(4) Boeing MD-90

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

B. Reason

To provide a reliability improved ignitor plug.

C. Description

This Service Bulletin introduces a new igniter plug as a replacement to the current standard. The new igniter plug has a reversed telescoping insulator configuration which helps to reduce the temperature at the terminal. This results in less temperature being fed back into the igniter lead.

The new standard of igniter plug:

Uses tungsten for the centre electrode, ground electrode and contact. Under simulated engine temperature and pressure conditions, this provides superior resistance to spark erosion and increased service life.

The sealing of the outer case is hermetic and uses a mechanical seal (hot lock) to prevent combustor gas leaking through the plug.

Is fully and freely interchangeable with the existing standard and will have no effect on installation or engine performance.

D. Compliance

Category Code 8

Accomplish based upon experience with the prior configuration.

E. Approval

The part number changes and/or part modifications described in section 2 of this Service Bulletin have been shown to comply with the applicable Federal Aviation Regulations and are FAA-APPROVED for the Engine Model(s) listed.

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

F. References

(1) Internal Reference No:

Engineering Change No. 11VI003.

(2) This Service Bulletin is subject of aircraft Modification N° 153812 P13026 (classified minor).

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.

(3) ATA Locator - 74-21-41.

G. Other Publications Affected

- (1) The V2500-A1/A5/D5 Engine Illustrated Parts Catalogues (S-V2500-1IA, S-V2500-2IA, S-V2500-2IB, S-V2500-2SA, S-V2500-2SB, S-V2500-2NA, S-V2500-2NB, S-V2500-3IA, S-V2500-3IB, S-V2500-3IC, S-V2500-5IA, S-V2500-5IB, S-V2500-5SA, S-V2500-5SB, S-V2500-5NA, S-V2500-5NB, S-V2500-6IA, S-V2500-6IB, S-V2500-6SA, S-V2500-6SB, S-V2500-6NA, S-V2500-6NB, S-V2500-7IA, S-V2500-7IB, S-V2500-7SA, S-V2500-7SB, S-V2500-7NA and S-V2500-7NB), Chapter 74-21-41 will be amended to incorporate the new part number. Refer to section 2. "Material Information".

2. Material Information

A. The kit required consists of the parts that follow:

None.

B. Parts to be reworked:

None.

C. New production parts:

Applicability: For all V2500-A1, V2500-A5 and V2500-D5 Engines

FIG ITEM NO.	NEW PART NO.	QTY	PART TITLE	MAT	OLD PART NO.	INSTR DISP
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74-21-41

01-100	CH31964	2	.Igniter plug	-	JS100A1	(S1)(A)
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D. Instruction disposition codes:

(S1) Old and new parts are fully interchangeable.

(A) The new part will be available September 2012.

3. Accomplishment Instructions

None.

INFORMATION – IGNITION – INTRODUCTION OF A NEW IGNITER PLUGSUPPLEMENT – 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
CH31964	Igniter plug	430.31

The new part will be available September 2012.

3. Tools

None.



International Aero Engines

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Explanatory notes:

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