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

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This document transmits the Initial Issue of Service Bulletin V2500-ENG-70-0978 and the Initial Issue of the Supplement

Service Bulletin Initial Issue

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

V2500-ENG-70-0978

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INFORMATION – ENGINE – INTRODUCTION OF ALTERNATIVE 90 DEGREE HARNESS BACKSHELLS**1. Planning Information****A. Effectivity**

- (1) Airbus A319
 - (a) V2522-A5, V2524-A5, V2527M-A5 Engines.
- (2) Airbus A320
 - (a) V2500-A1 Engines.
 - (b) V2524-A5, V2527-A5, V2527E-A5 Engines.
- (3) Airbus A321
 - (a) V2530-A5, V2533-A5 Engines.
- (4) Boeing MD-90
 - (a) V2525-D5, V2528-D5 Engines.

B. Reason

- (1) To announce the availability of rounded 90 degree harness backshells as an alternative for already delivered harnesses in service.

Several airlines reported that over the last years problems with the general service harnesses occurred due to wire chafing within the currently used 90 degree backshells. These backshells are welded together in a 90 degree shape and the weld seam can create a sharp edge on the inner surface of the backshell. An improved manufacturing process to remove excessive weld material to prevent wire chafing has been introduced for production.

C. Compliance

- (1) Category Code 8.

Accomplish based upon experience with the prior configuration.

D. Approval

- (1) 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 models listed.

E. General Information

- (1) This General Information Bulletin introduces rounded alternative 90 degree harness backshells.
- (2) Publications affected:
 - (a) The V2500-A1/A5/D5 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, S-V2500-7IB) will be revised to include the new part. Refer to Section 2. "Material Information" for ATA Locations.

F. References

- (1) Internal Reference No.:
Engineering Change No. 08VR003.
- (2) ATA Locator - 71-51-41, 71-51-61, 71-52-43, 71-52-51.

2. Material Information

A. Parts affected by this Service Bulletin:

Applicability: For all V2500-A1 Engines

FIG ITEM NO.	NEW PART NO.	QTY	PART TITLE	MAT	OLD PART NO.	INSTR DISP
71-52-43						
03-110	92H3-11- 8JCCAD or 388HH104 E11 or 273E11 or RRGH3-11- 8J	1	..Clamp, Backshell	-	92H3-11- 8JCCAD or 388HH104 E11 or 273E11	(A)(B)(S1)
03-130	92H3-11- 8JCCAD or 388HH104 E11 or 273E11 or RRGH3-11- 8J	1	..Clamp, Backshell	-	92H3-11- 8JCCAD or 388HH104 E11 or 273E11	(A)(B)(S1)

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FIG ITEM NO.	NEW PART NO.	QTY	PART TITLE	MAT	OLD PART NO.	INSTR DISP
71-51-41						
03-310	ESC66E16 or RRGC3-16- 8J	1	..Clamp, Backshell	-	ESC66E16	(A)(B)(S1)
03-450	92H3-15- 8JCCAD or 388HH104 E15 or 273E15 or RRGH3-15- 8J	1	..Clamp, Backshell	-	92H3-15- 8JCCAD or 388HH104 E15 or 273E15	(A)(B)(S1)
71-52-43						
03-110	92H3-11- 8JCCAD or 388HH104 E11 or 273E11 or RRGH3-11- 8J	1	..Clamp, Backshell	-	92H3-11- 8JCCAD or 388HH104 E11 or 273E11	(A)(B)(S1)
03-130	92H3-11- 8JCCAD or 388HH104 E11 or 273E11 or RRGH3-11- 8J	1	..Clamp, Backshell	-	92H3-11- 8JCCAD or 388HH104 E11 or 273E11	(A)(B)(S1)

Applicability: For all V2500-D5 Engines

FIG ITEM NO.	NEW PART NO.	QTY	PART TITLE	MAT	OLD PART NO.	INSTR DISP
71-51-61						
04-225	ESC66E12 or ESC66D12 or RRGC3-12 -8J	1	..Clamp, Backshell	-	ESC66E12 or ESC66D12	(A)(B)(S1)
04-400	ESC66E12 or ESC66D12 or RRGC3-12 -8J	1	..Clamp, Backshell	-	ESC66E12 or ESC66D12	(A)(B)(S1)
04-425	ESC66E12 or ESC66D12 or RRGC3-12 -8J	1	..Clamp, Backshell	-	ESC66E12 or ESC66D12	(A)(B)(S1)
04-450	ESC66E10 or ESC66D10 or RRGC3-10 -8J	1	..Clamp, Backshell	-	ESC66E10 or ESC66D10	(A)(B)(S1)

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FIG ITEM NO.	NEW PART NO.	QTY	PART TITLE	MAT	OLD PART NO.	INSTR DISP
71-52-51						
04-050	388HH104 E11 or 273E11 or 92H3-11- 8JCCAD or 388HH104 D11 or 275D11 or 92H3-11- 4ECCAD or RRGH3-11- 8J	1	..Clamp, Backshell	-	388HH104 E11 or 273E11 or 92H3-11- 8JCCAD or 388HH104 D11 or 275D11 or 92H3-11- 4ECCAD	(A)(B)(S1)

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B. Instruction/Disposition Codes:

(A) New part is available for sale.

(B) Alternative part.

(S1) Old and new parts are fully interchangeable and can be intermixed without restrictions.

3. Accomplishment Instructions.

None.

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INFORMATION – ENGINE – INTRODUCTION OF ALTERNATIVE 90 DEGREE HARNESS BACKSHELLSSUPPLEMENT – 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
RRGC3-10-8J	..Clamp, Backshell	271.00
RRGC3-12-8J	..Clamp, Backshell	275.00
RRGC3-16-8J	..Clamp, Backshell	285.00
RRGH3-11-8J	..Clamp, Backshell	180.00
RRGH3-15-8J	..Clamp, Backshell	188.00

3. Tools

None.