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

Printed in Great Britain

This document transmits the Initial Issue of Service Bulletin V2500-ENG-70-0982

Service Bulletin Initial Issue

Remove	Incorporate	Reason for change
	Pages 1 to 13 of the Service Bulletin	Initial Issue.

V2500-ENG-70-0982

Transmittal - Page 1 of 1

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INFORMATION – ENGINE – ALTERNATIVE HARNESS SLEEVES FOR LASER PRINTING – SYSTEM 6 –
MARKING PROCEDURE

1. Planning Information

A. Effectivity

(1) Airbus A319

(a) V2522-A5, V2524-A5, V2527M-A5 Engines (A5 Standard, A5 SelectOne retrofit standard and A5 SelectOne production standard).

(2) Airbus A320

(a) V2500-A1 Engines.

(b) V2524-A5, V2527-A5, V2527E-A5 Engines (A5 Standard, A5 SelectOne retrofit standard and A5 SelectOne production standard).

(3) Airbus A321

(a) V2530-A5, V2533-A5 Engines (A5 Standard, A5 SelectOne retrofit standard and A5 SelectOne production standard).

(4) Boeing MD-90

(a) V2525-D5, V2528-D5 Engines.

B. Reason

(1) Problem:

The engine harnesses and individual wires of the harnesses are identified by marked heat shrinkable sleeves. The harness supplier has requested to introduce alternative sleeves marked by laser printing in accordance to method "SYSTEM 6" which is already in use on Rolls-Royce Trent series engines.

(2) Substantiation:

The heat shrink sleeves required for marking with method "SYSTEM 6" are already in use on Rolls-Royce Trent series engines. The technical properties of the new harness sleeves are unchanged to the current standard and the validation can be read across by analogy. Properties regarding physical, chemical, oil, fuel and heat resistibility are superior. The installation of the new harness sleeves to the harness has not changed.

(3) Objective

Introduction of this Service Bulletin is designed to improve the reliability.

(4) Effect of Bulletin on:

(a) Operation

Not affected.

(b) Maintenance

Not affected.

(c) Overhaul

Not affected.

(d) Repair Schemes

Affected (Repair Schemes VRS1077, VRS1085, VRS1092, VRS1263, VRS7002)

(e) Interchangeability

Not affected.

(f) Fits and Clearances

Not affected.

C. Description

This Service Bulletin introduces alternative harness sleeves marked by method "SYSTEM 6" laser printing. The current harness sleeves are marked in accordance to "SYSTEM 90" using mechanical force to print a matrix on the harness sleeves. The harness assembly part number will remain unchanged.

D. Compliance

Category Code 7.

Accomplish when supply of superseded parts has been depleted.

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 models listed.

The authorizing IAE document is EC 08VR004.

F. Manpower

- (1) In Service
Not affected.
- (2) At Overhaul
Not affected.

G. Weight and Balance

- (1) Weight
None.
- (2) Moment Arm
Not affected.
- (3) Datum
Engine Front Mount Centerline (Power Plant Station (PPS) 100)

H. General Information

- (1) This Service Bulletin introduces new alternative heat shrinkable sleeves.
- (2) Publications affected:
 - (a) 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.
 - (b) V2500-A5 SelectOne Engine Illustrated Parts Catalogs (S-V2500-2SA, S-V2500-2SB, S-V2500-5SA, S-V2500-5SB, S-V2500-6SA, S-V2500-6SB, S-V2500-7SA, S-V2500-7SB) will be revised to include the new part. Refer to Section 2. "Material Information" for ATA Locations.
 - (c) V2500 Standard Practices/Processes Manual (SPP-V2500-1IA), Chapter/Section 70-35-25, Repair VRS7002.
 - (d) V2500 Component Maintenance Manual for Electrical Harnesses (CMM-EHC-V2500-1IA), Chapter/Sections 71-52-43, Repair VRS1077; 71-51-44, Repair VRS1085; 71-51-45, Repair VRS1092 and 72-32-37, Repair VRS1263.

I. References

(1) Internal Reference No.:

Engineering Change No. 08VR004.

(2) ATA Locators - 71-51-41, 71-51-44, 71-51-61, 71-52-43 and 71-52-51.

2. Material Information

A. Parts affected by this Service Bulletin:

Applicability: For V2500-A1 Engines

FIG ITEM NO.	NEW PART NO.	QTY	PART TITLE	MAT	OLD PART NO.	INSTR DISP
71-51-44						
03-800	TMSSCE 3-8-2-0-9	AR	..Sleeve, ident	-	U323943 or HS095WE	(A)(S1)
03-801	TMSSCE 1-2-2-0-9	AR	..Sleeve, shrink ident	-	U323944 or HS127WE	(A)(S1)
03-802	HTSCE 3-8-2-0-9	AR	..Sleeve, shrink	-	U323090	(A)(S1)
71-52-43						
03-772	HTSCE 3-8-2-0-9	AR	..Sleeve, shrink	-	U323090	(A)(S1)
03-776	HTSCE 1-2-2-0-9	AR	..Sleeve, shrink ident	-	U323094	(A)(S1)
03-778	HTSCE 3-4-2-0-9	AR	..Sleeve, shrink ident	-	U323095	(A)(S1)
03-782	TMSSCE 1-8-2-0-9	AR	..Sleeve, shrink ident	-	U323097	(A)(S1)
06-060	U323092 or HTSCE 3-16-2-0-9	AR	..Sleeve, shrink ident	-	-	(A)(S1)
06-070	U323090 or HTSCE 3-8-2-0-9	AR	..Sleeve, shrink	-	-	(A)(S1)
06-085	TMS1-4 or TMSSCE 1-4-2-0-9	AR	..Sleeve, shrink	-	-	(A)(S1)



FIG ITEM NO.	NEW PART NO.	QTY	PART TITLE	MAT	OLD PART NO.	INSTR DISP
06-090	TMS3-8 or TMSSCE 3-8-2-0-9	AR	..Sleeve, ident	-	-	(A)(S1)

Applicability: For V2500-A5 Engines

FIG ITEM NO.	NEW PART NO.	QTY	PART TITLE	MAT	OLD PART NO.	INSTR DISP
71-51-41						
03-800	U323943 or HS095WE or TMSSCE 3-8-2-0-9	AR	..Sleeve, ident	-	-	(A)(S1)
03-801	U323944 or HS127WE or TMSSCE 1-2-2-0-9	AR	..Sleeve, shrink ident	-	-	(A)(S1)
03-802	U323090 or HTSCE 3-8-2-0-9	AR	..Sleeve, shrink	-	-	(A)(S1)
03-803	TMSSCE 3-4-2-0-9	AR	..Sleeve, shrink ident	-	HS190WE or U323945	(A)(S1)
03-804	TMSSCE 1-8-2-0-9 or HS032WE or U323940	AR	..Sleeve, shrink ident	-	U440271	(A)(S1)



FIG ITEM NO.	NEW PART NO.	QTY	PART TITLE	MAT	OLD PART NO.	INSTR DISP
03-807	TMSSCE 1-8-2-0-9	AR	..Sleeve, shrink ident	-	U323097 or HS381WE	(A)(S1)
03-840	TMSSCE 1-8-2-0-9 or U323097 or HS381WE	AR	..Sleeve, shrink ident	-	-	(A)(S1)
03-846	TMSSCE 1-8-2-0-9	AR	..Sleeve, shrink ident	-	U323097 or HS381WE	(A)(S1)
03-850	TMSSCE 1-8-2-0-9	AR	..Sleeve, shrink ident	-	U323097 or HS381WE	(A)(S1)
71-51-44						
03-800	U323943 or HS095WE or TMSSCE 3-8-2-0-9	AR	..Sleeve, ident	-	-	(A)(S1)
03-801	U323944 or HS127WE or TMSSCE 1-2-2-0-9	AR	..Sleeve, shrink ident	-	-	(A)(S1)
03-802	U323090 or HTSCE 3-8-2-0-9	AR	..Sleeve, shrink	-	-	(A)(S1)
71-52-43						
03-772	HTSCE 3-8-2-0-9	AR	..Sleeve, shrink	-	U323090	(A)(S1)
03-776	HTSCE 1-2-2-0-9	AR	..Sleeve, shrink ident	-	U323094	(A)(S1)

FIG ITEM NO.	NEW PART NO.	QTY	PART TITLE	MAT	OLD PART NO.	INSTR DISP
03-778	HTSCE 3-4-2-0-9	AR	..Sleeve, shrink ident	-	U323095	(A)(S1)
03-782	TMSSCE 1-8-2-0-9	AR	..Sleeve, shrink ident	-	U323097	(A)(S1)
06-060	U323092 or HTSCE 3-16-2-0-9	AR	..Sleeve, shrink ident	-	-	(A)(S1)
06-070	U323090 or HTSCE 3-8-2-0-9	AR	..Sleeve, shrink	-	-	(A)(S1)
06-085	TMS1-4 or TMSSCE 1-4-2-0-9	AR	..Sleeve, shrink	-	-	(A)(S1)
06-090	TMS3-8 or TMSSCE 3-8-2-0-9	AR	..Sleeve, ident	-	-	(A)(S1)

Applicability: For V2500-D5 Engines

FIG ITEM NO.	NEW PART NO.	QTY	PART TITLE	MAT	OLD PART NO.	INSTR DISP
71-51-61						
04-933	TMSSCE 3-8-2-0-9	AR	...Sleeve, ident	-	U323943 or HS095WE	(A)(S1)
04-934	TMSSCE 3-4-2-0-9	AR	...Sleeve, shrink ident	-	U323945 or HS190WE	(A)(S1)

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FIG ITEM NO.	NEW PART NO.	QTY	PART TITLE	MAT	OLD PART NO.	INSTR DISP
04-936	U323945 or TMSSCE 3-4-2-0-9	AR	...Sleeve, shrink ident	-	-	(A)(S1)
71-52-51						
03-390	TMSSC 11-2-2-0-9	AR	..Sleeve, shrink	-	U323097	(A)(S1)
03-391	HTSCE 3-8-2-0-9	AR	..Sleeve, shrink	-	U323090	(A)(S1)
03-392	HTSCE 1-2-2-0-9	AR	..Sleeve, shrink ident	-	U323094	(A)(S1)
03-393	HTSCE 3-8-2-0-9	AR	..Sleeve, shrink	-	U393090	(A)(S1)
03-394	HTSCE 3-4-2-0-9	AR	..Sleeve, shrink ident	-	U393095	(A)(S1)
03-395	HTSCE 3-8-2-0-9	AR	..Sleeve, shrink	-	U323090	(A)(S1)
03-396	HTSCE 1-2-2-0-9	AR	..Sleeve, shrink ident	-	U323094	(A)(S1)
03-397	HTSCE 3-8-2-0-9	AR	..Sleeve, shrink	-	U323090	(A)(S1)
03-398	HTSCE 1-4-2-0-9	AR	..Sleeve, shrink ident	-	U323093	(A)(S1)
03-399	HTSCE 1-4-2-0-9	AR	..Sleeve, shrink ident	-	U323093	(A)(S1)
03-400	HTSCE 1-4-2-0-9	AR	..Sleeve, shrink ident	-	U323093	(A)(S1)
03-401	HTSCE 1-4-2-0-9	AR	..Sleeve, shrink ident	-	U323093	(A)(S1)
03-402	TMSSC 11-2-2-0-9	AR	..Sleeve, shrink	-	U323097	(A)(S1)

FIG ITEM NO.	NEW PART NO.	QTY	PART TITLE	MAT	OLD PART NO.	INSTR DISP
03-403	HTSCE 3-8-2-0-9	AR	..Sleeve, shrink	-	U323090	(A)(S1)
03-404	HTSCE 1-4-2-0-9	AR	..Sleeve, shrink ident	-	U323093	(A)(S1)
03-405	HTSCE 1-4-2-0-9	AR	..Sleeve, shrink ident	-	U323093	(A)(S1)
03-406	HTSCE 1-4-2-0-9	AR	..Sleeve, shrink ident	-	U323093	(A)(S1)
03-407	HTSCE 1-4-2-0-9	AR	..Sleeve, shrink ident	-	U323093	(A)(S1)
03-408	HTSCE 1-2-2-0-9	AR	..Sleeve, shrink ident	-	U323094	(A)(S1)
03-409	HTSCE 3-8-2-0-9	AR	..Sleeve, shrink	-	U323090	(A)(S1)
03-410	HTSCE 1-2-2-0-9	AR	..Sleeve, shrink ident	-	U323094	(A)(S1)
03-411	HTSCE 3-8-2-0-9	AR	..Sleeve, shrink	-	U323090	(A)(S1)
03-412	HTSCE 3-8-2-0-9	AR	..Sleeve, shrink	-	U323090	(A)(S1)
03-413	HTSCE 3-8-2-0-9	AR	..Sleeve, shrink	-	U323090	(A)(S1)
03-414	HTSCE 3-4-2-0-9	AR	..Sleeve, shrink ident	-	U323095	(A)(S1)
03-415	HTSCE 3-8-2-0-9	AR	..Sleeve, shrink	-	U323090	(A)(S1)
03-416	HTSCE 3-4-2-0-9	AR	..Sleeve, shrink ident	-	U323095	(A)(S1)
03-417	HTSCE 3-8-2-0-9	AR	..Sleeve, shrink	-	U323090	(A)(S1)
03-418	TMSSC 11-2-2-0-9	AR	..Sleeve, shrink	-	U323097	(A)(S1)

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FIG ITEM NO.	NEW PART NO.	QTY	PART TITLE	MAT	OLD PART NO.	INSTR DISP
03-419	HTSCE 1-4-2-0-9	AR	..Sleeve, shrink ident	-	U323093	(A)(S1)
03-420	HTSCE 1-4-2-0-9	AR	..Sleeve, shrink ident	-	U323093	(A)(S1)
03-421	HTSCE 1-4-2-0-9	AR	..Sleeve, shrink ident	-	U323093	(A)(S1)
03-422	HTSCE 1-4-2-0-9	AR	..Sleeve, shrink ident	-	U323093	(A)(S1)
03-425	HTSCE 3-8-2-0-9	AR	..Sleeve, shrink	-	U323090	(A)(S1)
03-426	HTSCE 3-8-2-0-9	AR	..Sleeve, shrink	-	U323090	(A)(S1)
03-427	HTSCE 1-4-2-0-9	AR	..Sleeve, shrink ident	-	U323093	(A)(S1)
03-428	HTSCE 1-4-2-0-9	AR	..Sleeve, shrink ident	-	U323093	(A)(S1)
03-429	HTSCE 1-4-2-0-9	AR	..Sleeve, shrink ident	-	U323093	(A)(S1)
03-430	HTSCE 1-4-2-0-9	AR	..Sleeve, shrink ident	-	U323093	(A)(S1)
03-431	HTSCE 1-4-2-0-9	AR	..Sleeve, shrink ident	-	U323093	(A)(S1)
03-432	HTSCE 1-4-2-0-9	AR	..Sleeve, shrink ident	-	U323093	(A)(S1)
03-433	HTSCE 1-4-2-0-9	AR	..Sleeve, shrink ident	-	U323093	(A)(S1)
03-435	HTSCE 1-4-2-0-9	AR	..Sleeve, shrink ident	-	U323093	(A)(S1)
03-436	HTSCE 1-4-2-0-9	AR	..Sleeve, shrink ident	-	U323093	(A)(S1)

B. Redundant Parts

Applicability: For V2500-A5 Engines

FIG ITEM NO.	NEW PART NO.	QTY	PART TITLE	MAT	OLD PART NO.	INSTR DISP
71-51-41						
03-804	-	AR	..Sleeve	-	U440272	(B)

C. Instruction/Disposition Codes:

(A) Alternative part.

(B) Deleted part.

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

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3. Accomplishment Instructions

None.

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