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Supplement Revision Status

DATER Apr. 7/00

V2500-A1/A5 SERIES PROPULSION SYSTEMS SERVICE BULLETIN

This document transmits Revision 2 to Service Bulletin EV2500-71-0219

<u>Document History</u>

Service Bulletin Revision Status Initial Issue Sep. 18/98

Apr.10/99 Revision 1

Bulletin Revision 2

Remove Incorporate Pages 1 to 26 of the Service Bulletin

Pages 1 to 28 of the Service Bulletin

Reason for change To add Mod. Kit MKV801701 part number to 1.H. and editorial changes. All pages re-issued to establish document history from new data system.

V2500-ENG-71-0219

Transmittal - Page 1 of 2

CHECK THAT ALL PREVIOUS TRANSMITTALS HAVE BEEN INCORPORATED If any have not been received please advise Publication Services, Rolls-Royce plc, Derby, England © Rolls-Royce plc (date as above) Printed in Great Britain

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LIST OF EFFECTIVE PAGES

The effective pages to this Service Bulletin following incorporation of Revision 2 are as follows:

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		<u>-</u>
Bulletin		
R 1	2	Apr.7/00
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R 2 R 3	2	Apr.7/00
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R 25	2 2 2 2 2 2	Apr.7/00
R 26	2	Apr.7/00
R 27	2	Apr.7/00
R 28	2	Apr.7/00



<u>POWER PLANT - ELECTRICAL HARNESSES - EEC HARNESS - FAN - INTRODUCTION OF REVISED</u> <u>ENGINE DEDICATED ALTERNATOR (EDA) CONNECTORS (REWORK)</u>

R 1. Planning Information

D	Λ	Effa	ctivi	+~-

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- R (1) Airbus A319
- R V2522-A5, V2524-A5 Engines prior to Serial No. V10550
- R (2) Airbus A320
- R (a) V2500-A1 Engines prior to Serial No. V0362
- R (b) V2527-A5, V2527E-A5 Engines prior to Serial No. V10550
- R (3) Airbus A321
- R V2530-A5, V2533-A5 Engines prior to Serial No. V10550
- R (4) ATA Location 71-51-00
- R B. Concurrent Requirements
- R This Service Bulletin must only be installed to engines which have had IAE V2500 Service Bulletin ENG 73-0138 embodied. (Refer to 1.L.(1)).
- R C. Reason
- R (1) Problem
- R Pin burning of the electrical connectors for the Engine Dedicated R Alternator (EDA) can occur.
- R The problem is caused by the design of the interface connectors for Loom-A and Loom-B, which cannot resist the vibrations that occur at this location.
- R (2) Background
- R The problem has been found on in-service engines.
- R (3) Substantiation
- R A satisfactory engineering analysis has been done on the changes R introduced by this Service Bulletin. In addition, a similar modification R has been successfully embodied on V2500-D5 engines.

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R	(4)	Objective
1.		

The purpose of this Service Bulletin is to maintain reliability.

R (5) Effect of Bulletin on:

R (a) Operation

Not affected.

R (b) Maintenance

R Not affected.

R (c) Overhaul

R Affected.

R (d) Repair Schemes

R Not affected.

R (e) Interchangeability

Affected. (Refer to 2.C.).

(f) Fits and Clearances

Not affected.

D. <u>Description</u>

R

R R

R

R

- (1) A revised EEC Fan Harness assembly is introduced with the changes that follow:
 - (a) Revised connectors are introduced at positions 4005EV-A and 4005EV-B. To prevent Backing-Off the revised connectors have a finer locking mechanism.
- (b) The quantity of contact sockets is increased from 10 to 12.
- R (c) The quantity of blanking plugs at connector 4005EV-A is increased from 4 to 6 on the A1 engines and from 2 to 4 on the A5 engines.
- R (d) The quantity of blanking plugs at connector 4005EV-B is increased from R 2 to 4.
- R (e) Revised backshells are introduced to match the revised connectors.
- R (2) Existing EEC fan harness assemblies can be reworked. (Refer to Section 3., R Figures 1 to 10).

R

R E.	Compl	iance
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- R Category Code 6.
- R Accomplish when the subassembly (That is modules, accessories, components,
- R build groups) is disassembled sufficiently to get access to all the affected
- R parts.
- R F. Approval
- R The part number changes and/or part modifications are given in Sections 2 and 3
- R of this Service Bulletin. They comply with the applicable Federal Aviation
 - Regulations and are FAA-APPROVED for the engine models listed.
- R G. Manpower
- R Estimate of man-hours necessary to embody this Service Bulletin in full:
- R (1) In Service
- R 1 Hour 36 Minutes
- R (2) At Overhaul
- R 1 Hour 36 Minutes
- R <u>NOTE</u>: It is possible to get access to the parts affected by this Service Bulletin at overhaul.
- R H. Material Price and Availability
- R (1) A modification kit MKV801701 is necessary for this Service Bulletin.
- R This Modification Kit is available at a 50% discount to all affected operators until December 31 2001.
- R Operators must send a purchase order for the applicable quantity of kits.
- R The purchase order must give the Serial Number of all affected engines and the IAE tracking number S 393 UI must be put on all purchase orders.
- the the tracking number 3 373 of must be put on act purchase orders.
- R The purchase orders must be sent to:
- R IAE Spares Division, 400 Main Street, M/S 121-10, East Hartford, CT06108, USA.
- R (2) The sales department will advise operators about delivery schedules thirty days after the purchase orders have been received.

(3) Mod. Kit MKV801701 consists of:

R R	IAE Part Number	Rolls-Royce plc Part No.	Qty	Keyword
R R	ESC65E12	1014139	2	Clamp, backshell
R	ESC30S20BC	1013344	24	Contact, socket
R	ESC36-20	1023818	10	Plug,sealing
R	ESC10SE61212SN0	1013339	1	Connector
R	ESC10SE61212S60	1014476	1	Connector

R (4) Refer to 2. Material Information for the prices and availability of future spares.

R I. Tooling Price and Availability

R Special tools are not necessary.

R J. <u>Weight and Balance</u>

- R (1) Weight Change
- R None.

R

- R (2) Moment Arm
- R Not affected.
- R (3) Datum
- R Engine front mount centreline (Power Plant Station (PPS) 100).

R K. Electrical Load Data

R The aircraft electrical load is not affected by this Service Bulletin.

R L. References

- R (1) Internal Reference No.
- R EC98VR017

	R
i.	R R
at Britair	R
l in Great	R R
rinted	R
_	R

R	(2)	Other References
R		(a) IAE V2500 Service Bulletin:
R R		ENG73-0138 Engine fuel and control - Stator - Introduction of an engine dedicated alternator with revised electrical connectors.
R		(b) Aircraft Wiring Manual (AWM), Chapter/Sections 20-71-20 and 20-71-21.
R R		(c) Electrical, Harnesses and Cables (EHC) Component Maintenance Manual (CMM), TASK 71-51-41-700-301.
R		(d) Standard Practice Manual (SPP) TASK 70-09-00-400-501 SUBTASK

R (e) Airbus aircraft modification No. 28065.

70-09-00-400-002.

- R M. Other Publications Affected
- R (1) Component Maintenance Manual (CMM), Chapter/Section 71-51-41 Cleaning and R Inspection/Check.
- R (2) Engine Manual (EM), Chapter/Section 72-00-32 Removal-02 and Installation-04 CONFIG-1 A1 or CONFIG-2 A5.
- R (3) Illustrated Parts Catalogue (IPC), Chapter/Section 71-51-41.

R 2. Material Information

R A. Kits necessary for this Service Bulletin:

R Modification Kit MKV801701

R B. <u>New Production Parts:</u>

R	Δ1	Model	S
11	Λ I	noue	L O

R	PART NO.	QTY	UNIT PRICE
R	ESC10SE61212S60	1	229.00
R	ESC10SE61212SN0	1	382.00
R	ESC3OS2OBC	24	2.33
R	ESC36-20	10	2.20
R	ESC65E12	2	143.00
R	6A7440	1	46480.00
R	6A7441	1	46480.00
R	6A7442	1	46480.00
R	6A7443	1	46480.00

R A5 Models

R	PART NO.	QTY	UNIT PRICE
R	ESC10SE61212S60	1	229.00
R	ESC10SE61212SN0	1	382.00
R	ESC30S20BC	24	2.33
R	ESC36-20	8	2.20
R	FSC65F12	2	143.00

R A5 Models (but not V2533-A5 Model)

R	PART NO.	QTY	UNIT PRICE
R	6A7444	1	54900.00
R	6A7445	1	54900.00
R	6A7446	1	54900.00
R	6A7447	1	54900.00
R	6A7448	1	54900.00

R V2533-A5 Model

R	PART NO.	QTY	UNIT PRICE
R	6A7447	1	54900.00

R NOTE: The unit prices if shown, are an estimate and they are given for the purpose of planning only. For actual prices, refer to the IAE Price Catalogue or contact IAE's spare part sales department.

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R C. Parts affected by this Service Bulletin:

R A1	Mod	els
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R 71-5'	I-41
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R R R	FIG ITEM NO.	NEW PART NO.	QTY	PART TITLE	OLD PART NO.	INSTR DISP
R R	03-490	ESC76E12	1	Clamp backshell (VU1653)	92H1-13- 8JCCAD	(A)(S1)(2D)
R R	03-490	-	1	Clamp, backshell assembly (VUO419)	388HS104 E13	(2D)
R R	03-490	-	1	Clamp, backshell assembly (VU2824)	272E13	(2D)
R R	03-510	ESC65E12	1	Clamp, backshell assembly (VU1653)	92H1-13- 8JCCAD	(A)(S1)(2D)
R R	03-510	-	1	Clamp, backshell assembly (VUO419)	388HS104 E13	(2D)
R R	03-510	_	1	Clamp, backshell assembly (VU2824)	272E13	(2D)
R R	04-490	ESC10SE6- 1212SN0	1	Connector (VU1653)	T3K121398 SN1259	(A)(S1)(2D)
R R	04-490	-	1	Connector assembly (V14283)	MT938T13K 98S901	(2D)
R R	04-495	ESC30S20BC	12	Contact, socket (VU1653)	5A9290	(A)(S1)(2D) (5D)
R R	04-495	-	10	Contact, socket (V14283)	5100-101- 0120	(2D)
R R R	04-509 04-510	ESC36-20 ESC10SE6- 1212S60	6 1	Plug, sealing (VU1653) Connector (VU1653)	MS27488-20 T3K121398 SA1259	(A)(S1)(3D) (A)(S1)(2D)
R R R	04-510 04-515	- ESC30S20BC	1 12	Connector assembly (V14283) Contact, socket (VU1653)	1017689 5A9290	(2D) (A)(S1)(2D) (5D)
R R	04-515	-	10	Contact, socket (V14283)	5100-101- 0120	(2D)
R R	04-529	ESC36-20	4	Plug, sealing (VU1653)	MS27488-20	(A)(S1)(2D) (4D)

R For Engines that have had ENG-71-0107 embodied but not ENG-70-0156:

R 71-51-41

R	FIG	NEW			OLD	
R	ITEM	PART			PART	INSTR
R	NO.	NO.	QTY	PART TITLE	NO.	DISP
R	01-005	6A7440	1	Harness assembly - EEC fan	6A4394	(S1)(1D)

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R	For Engines that have had ENG-70-0156 embodied but not ENG-71-0111:							
R	71–51–41							
R R R	FIG ITEM NO.	NEW PART NO.	QTY	PART TITLE	OLD PART NO.	INSTR DISP		
R	01-005	6A7441	1	Harness assembly - EEC fan	6A4715	(S1)(1D)		
R	For Eng	jines that h	nave ha	ad ENG-71-0111 embodied but not	ENG-70-0367	:		
R	71-51-4	. 1						
R R R	FIG ITEM NO.	NEW PART NO.	QTY	PART TITLE	OLD PART NO.	INSTR DISP		
R	01-005	6A7442	1	Harness assembly - EEC fan	6A5553	(S1)(1D)		
R	For Eng	jines that h	nave ha	ad ENG-70-0367 embodied:				
R	71-51-4	1						
R R R	FIG ITEM NO.	NEW PART NO.	QTY	PART TITLE	OLD PART NO.	INSTR DISP		
R	01-005	6A7443	1	Harness assembly - EEC fan	6A5651	(S1)(1D)		
R	All A5	Models						
R	71-51-4	1						
R R R	FIG ITEM NO.	NEW PART NO.	QTY	PART TITLE	OLD PART NO.	INSTR DISP		
R R	03-490	ESC65E12	1	Clamp, backshell (VU1653)	92H-13- 8JCCAD	(A)(S1)(2D)		
R R	03-490	-	1	Clamp, backshell assembly (VUO419)	388HS104 E13	(2D)		
R R	03-490	-	1	Clamp, backshell assembly (VU2824)	272E13	(2D)		
R R	03-510	ESC65E12	1	Clamp, backshell assembly (VU1653)	92H1-13- 8JCCAD	(A)(S1)(2D)		
R R	03-510	-	1	Clamp, backshell assembly (VUO419)	388HS104 E13	(2D)		
R R	03-510	-	1	Clamp, backshell assembly (VU2824)	272E13	(2D)		

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	R R	FIG ITEM	NEW PART	0.77	DART TITLE	OLD PART	INSTR
	R	NO.	NO.	QTY	PART TITLE	NO.	DISP
	R R	04-490	ESC10SE6- 1212SN0	1	Connector (VU1653)	T3K121398 SN1259	(A)(S1)(2D)
Britain	R R	04-490	_	1	Connector assembly (V12483)	MT938T13K 98S901	(2D)
Great	R R	04-495	ESC30S20BC	12	Contact, socket (VU1653)	5A9290	(A1)(S1)(2D) (5D)
Printed in Great Britain	R R R	04-509 04-510		4 1	Plug, sealing (VU1653) Connector (VU1653)	MS27488-20 T3K121398 SA1259	(A)(S1)(4D) (A)(S1)(2D)
_	R R R	04-510 04-515	- ESC30S20BC	1 12	Connector assembly (V14283) Contact, socket (VU1653)	1017689 5A9290	(2D) (A)(S1)(2D) (5D)
	R R	04-529	ESC36-20	4	Plug, sealing (VU1653)	MS27488-20	(A)(S1)(2D) (4D)
	R	A5 Mode	ls Only (But	t not \	V2533-A5 Model)		
	R	For Eng	ines that ha	ave had	d ENG-73-0071 embodied but not E	NG-71-0183:	
	R	71-51-4	1				
	R	FIG	NEW			OLD	
	R	ITEM	PART			PART	INSTR
	R	NO.	NO.	QTY	PART TITLE	NO.	DISP
	R	01-005	607///	1	Harness assembly - EEC fan	6A6429	(S1)(1D)
		01-005		1			
	R			1	Harness assembly - EEC fan	6A6430	(S1)(1D)
	R	01–005	6A7446	1	Harness assembly — EEC fan	6A6431	(S1)(1D)
	R	For Eng	ines that ha	ave had	d ENG-71-0183 embodied but not E	NG-71-0216:	
	R	71-51-4	1				
	R	FIG	NEW			OLD	
	R	ITEM	PART			PART	INSTR
	R	NO.	NO.	QTY	PART TITLE	NO.	DISP
	R	01-005	6A7447	1	Harness assembly - EEC fan	6A6439	(S1)(1D)
	R	01-005	6A7448	1	Harness assembly - EEC fan	6A6441	(S1)(1D)
	R						
	R						
	R						
	R						

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- R For V2533-A5 Model Only
- R 71-51-41

R ITEM PART INSTR R NO. NO. QTY PART TITLE NO. DISP

R 01-005 6A7447 1 Harness assembly - EEC fan 6A6439 (S1)(1D)

- R D. <u>Instruction Disposition Codes:</u>
- R (A) New part will be available from October 1998.
- R (1D) Old part can be reworked and re-identified to the new part number.
- R (S1) Old and new parts are not interchangeable.
- R (2D) Old part can be used on other applications.
- R (3D) Quantity increased from 4 to 6.
- R (4D) Quantity increased from 2 to 4.
- R (5D) Quantity increased from 10 to 12.

R 3. Accomplishment Instructions

R	Α.	Assemb	lу	Instructions
---	----	--------	----	--------------

- R (1) For the correct removal/installation procedures refer to the manuals that follow:
- R (a) A1/A5 Engine Manuals, Chapter/Section 72-00-32, Removal-02 and R Installation-04 CONFIG-1, A1 or CONFIG-2, A5.
- R B. Rework Instructions (for A1 Engine Marks)
- R (1) Consumable Materials
- R CoMat 02-148 Adhesive tape (electrical)
- R CoMat 06-131 Marking pen
- R (2) Standard Equipment
- R Standard workshop equipment
- R Cable stripper
- R Contact extraction/insertion tool
- R Contact crimping tool
- R (3) Rework the parts that follow (A1 Models only):
- R 6A4394, EEC Harness Assembly, SB 71-0107, (Refer to 71-51-41, Fig./Item 01-005)
- R 6A4715, EEC Harness Assembly, SB 70-0156, (Refer to 71-51-41, Fig./Item 01-005)
- R 6A5553, EEC Harness Assembly, SB 71-0111, (Refer to 71-51-41, Fig./Item 01-005)
- R 6A5651, EEC Harness Assembly, SB 70-0367, (Refer to 71-51-41, Fig./Item 01-005)
- R CAUTION: MAKE SURE THAT THERE IS SUFFICIENT HARNESS LENGTH TO ALLOW THE REWORK TO BE CARRIED OUT.

PROCEDURE RELATED DATA

R (a) Remove the contacts from the Use the applicable extraction/insertion tool. R 4005EV-B Refer to Figure 3 and/or Figure 5

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R R R R	(b) Cut off the old sockets A, B, E, F, G and J for the harness connector 4005EV-A and sockets A, B, C, D, E, F, G and J for the harness connector 4005EV-B	
R R R	(c) Inspect the metal braiding Make sure the braid is not damag and has sufficient length for th backshell	
R R R	CAUTION: MAKE SURE THAT YOU USE THE CORRECT LOCATOR AND THAT THE CRIMP TOOL IS SET CORRECTLY. IF NOT, THE LEAD OR CONTACE BE DAMAGED OR THE CONTACT INCORRECTLY ATTACHED TO THE L	T CAN
R R R R	(d) For harness connector 4005EV-A, install the contact sockets to the leads for contact positions 4, 5, 6, 7, 8 and 9 Use ESC30-S20BC, contact socket off, 04-495. Use a contact crimping tool (Dan M22520/1 or equivalent). Refer to Figure 4 and/or Figure	iels
R R R R	(e) For harness connector 4005EV-B, install the contact sockets to the leads for contact positions 4, 5, 6, 7, 8, 9, 10 and 11 Use ESC30-S20BC, contact socket, off, 04-515. Use a contact crimping tool (Dan M22520/1 or equivalent). Refer to Figure 4 and/or Figure	iels
R	(f) Install the sockets and blanking plug(s) to the positions not in	use.
	PROCEDURE RELATED DATA	
R R R	(i) For harness connector Use ESC36-20, sealing plug, 6 of 4005EV-A at 1, 2, 3, 10, 11 04-529 and ESC30-S20BC, contact and 12 socket, 6 off, 04-495	f,
R R R R R	(ii) For harness connector 4005EV-B at 1, 2, 3 and 12 Socket, 4 off, 04-515. Use a contact crimping tool (Dan M22520/1 or equivalent). Refer to Figure 4 and/or Figure	iels
R R R	(g) Do a check on the crimped To make sure that it is satisfactorily attached to the wiring, pull the contact socket	
R R R	CAUTION: MAKE SURE THAT YOU USE THE CORRECT LOCATOR AND THAT THE CRIM TOOL IS SET CORRECTLY. IF NOT, THE LEAD OR CONTACT CAN BE DA OR THE CONTACT INCORRECTLY ATTACHED TO THE LEAD.	

ē	R R R R R		(h) Install the contact sockets into the harness connector and backshell 4005EV-A. Terminate the cable grounds into the backshell	Use ESC10SE61212SNO, connector, 1 off, 04-490 and ESC65E12, clamp, backshell assembly, 1 off, 03-490. Use the applicable contact extraction/insertion tool. Refer to Figure 4 and/or Figure 6
Printed in Great Britain	R R R R R		(i) Install the contact sockets into the harness connector and backshell 4005EV-B. Terminate the cable grounds into the backshell	Use ESC10SE61212S60, connector, 1 off, 04-510 and ESC65E12, clamp, backshell assembly, 1 off, 03-510. Use the applicable contact extraction/insertion tool. Refer to Figure 4 and/or Figure 6
	R R R R R R R		(j) Make sure that the new contact sockets and the connector/backshell have been installed correctly	Carry out the tests that follow: Continuity test on the electrical contacts and the backshell, and an insulation resistance test. Use electrical test equipment. Refer to the Aircraft Wiring Manual (AWM), Chapter/Sections 20-71-20 and 20-71-21 or Electrical Harnesses and Cables (EHC) Component Maintenance Manual (CMM), TASK 71-51-41-700-301
	R R R R R		(k) Cancel the old part number and re-identify with the new part number	Use CoMat 02-148 adhesive tape (electrical) and CoMat 06-131 marking pen. Refer to the Standard Practices Manual (SPP), TASK 70-09-00-400-501, SUBTASK 70-09-00-400-002.
	R			Existing Re-number
	R R R			6A4394 6A7440 6A4715 6A7441 6A5553 6A7442 6A5651 6A7443
	R (4	()	Rework the parts that follow (A5 Mod	els only, but not V2533-A5):
	R R		6A6429, EEC Harness Assembly, SB 73-0 01-005)	0071, (Refer to 71-51-41, Fig./Item
	R R		6A6430, EEC Harness Assembly, SB 73-0 01-005)	0071, (Refer to 71-51-41, Fig./Item
	R R		6A6431, EEC Harness Assembly, SB 73-0 01-005)	0071, (Refer to 71-51-41, Fig./Item

R R	6A6439, EEC Harness Assembly, SB 71-0183, (Ref 01-005)	er to 71-51-41, Fig./Item
R R	6A6441, EEC Harness Assembly, SB 71-0183, (Ref 01-005)	er to 71-51-41, Fig./Item
R R	CAUTION: MAKE SURE THAT THERE IS SUFFICIENT H REWORK TO BE CARRIED OUT.	IARNESS LENGTH TO ALLOW THE
	PROCEDURE REL	ATED DATA
R R R		pplicable n/insertion tool. Figure 7 and/or Figure 9
R R R R		ard workshop equipment. Figure 7 and/or Figure 9
R R R		the braid is not damaged ufficient length for the new
R R R	CAUTION: MAKE SURE THAT YOU USE THE CORRECTLY. IF BE DAMAGED OR THE CONTACT INCORR	NOT, THE LEAD OR CONTACT CAN
R R R R	4005EV-A, install the contact off, 04-4 sockets to the leads for Use a concontact positions 4, 5, 6, 7, M22520/1	-S20BC, contact socket, 8 95. tact crimping tool (Daniels or equivalent). Figure 8 and/or Figure 10
R R R R	4005EV-B, install the contact off, 04-5 sockets to the leads for Use a concontact positions 4, 5, 6, 7, M22520/1	-\$20BC, contact socket, 8 15. tact crimping tool (Daniels or equivalent). Figure 8 and/or Figure 10
R	(f) Install the sockets and blanking plug(s) t	o the positions not in use.
	PROCEDURE REL	ATED DATA
R R R	4005EV-A at 1, 2, 3 and 12 04-529 an	-20, sealing plug, 4 off, d ESC30-S2OBC, contact off, 04-495

ii	R R R R R		(ii) For harness connector 4005EV-B at 1, 2, 3 and 12	ESC30-S20BC, con 04-515. Use a contact cr M22520/1 or equi	aling plug, 4 off and tact socket, 4 off, imping tool (Daniels valent). 8 and/or Figure 10
Printed in Great Britain	R R R	(g)	Do a check on the crimped joint	To make sure tha satisfactorily a wiring, pull the	ttached to the
Printed i	R R R	<u>CAUT</u>	ION: MAKE SURE THAT YOU USE THE O TOOL IS SET CORRECTLY. IF NO OR THE CONTACT INCORRECTLY	OT, THE LEAD OR C	ONTACT CAN BE DAMAGED
	R R R R R	(h)	Install the contact sockets into the harness connector and backshell 4005EV-A. Terminate the cable grounds into the backshell	off, 04-490 and backshell assemb Use the applicab extraction/inser	ly, 1 off, 03-490. le contact
	R R R R R	(i)	Install the contact sockets into the harnesss connector and backshell 4005EV-B. Terminate the cable grounds into the backshell	off, 04-510 and backshell assemb Use the applicab extraction/inser	ly, 1 off, 03-510. le contact
	R R R R R R R R	(j)	Make sure that the new contact sockets and the connector/backshell have been installed correctly	contacts and the insulation resis Use electrical to the Aircraft Chapter/Sections 20-71-21 or Elec Cables (EHC), Contact of the Chapter (EHC), Contact of the Chapter (EHC), Contact of the contact of the chapter (EHC), Contact of the chapter (EHC)	on the electrical backshell, and an tance test. est equipment. Refer Wiring Manual (AWM),
	R R R R R	(k)	Cancel the old part number and re-identify with the new part number	pen. Refer to the Sta	CoMat 06-131 marking ndard Practice Manual 9-00-400-501, SUBTASK
	R			Existing	Re-number
	R R			6A6429 6A6430	6A7444 6A7445

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R			Existing	Re-number
R R R			6A6431 6A6439 6A6441	6A7446 6A7447 6A7448
R	(5)	Rework the parts that follow (V2533-A5 Model only):		
R R		6A6439, EEC Harness Assembly, SB 73-0071, (Refer to 71-51-41, Fig./Item 01-005)		
R R		CAUTION: MAKE SURE THAT THERE IS SUFFICIENT HARNESS LENGTH TO ALLOW THE REWORK TO BE CARRIED OUT.		
		PROCEDURE	RELATED DA	TA
R R R			Use the applicable extraction/insertion tool. Refer to Figure 7 and/or Figure 9	
R R R R R			Use standard workshop equipment. Refer to Figure 7 and/or Figure 9	
R R R		á		eaid is not damaged ent length for the new
R R R		<u>CAUTION</u> : MAKE SURE THAT YOU USE THE CORRECT LOCATOR AND THAT THE CRIMP TOOL IS SET CORRECTLY. IF NOT, THE LEAD OR CONTACT CAN BE DAMAGED OR THE CONTACT INCORRECTLY ATTACHED TO THE LEAD.		
R R R R		4005EV-A, install the contact cockets to the leads for contact positions 4, 5, 6, 7,	off, 04-495. Jse a contact cr M22520/1 or equi	contact socket, 8 imping tool (Daniels valent). 8 and/or Figure 10
R R R R		4005EV-B, install the contact cockets to the leads for contact positions 4, 5, 6, 7,	off, 04-515. Jse a contact cr M22520/1 or equi	contact socket, 8 imping tool (Daniels valent). 8 and/or Figure 10

R (f) Install the sockets and blanking plug(s) to the positions not in use **PROCEDURE** RELATED DATA R (i) For harness connector Use ESC36-20, sealing plug, 4 off, 4005EV-A at 1, 2, 3 and 12 04-529 and ESC30-S20BC, contact R Printed in Great Britain socket, 4 off, 04-495 R R (ii) For harness connector Use ESC36-20, sealing plug, 4 off, R 4005EV-B at 1, 2, 3 and 12 04-509 and ESC30-S20BC, contact R socket, 4 off, 04-515. R Use a contact crimping tool (Daniels R M22520/1 or equivalent). Refer to Figure 8 and/or Figure 10 R R (g) Do a check on the crimped To make sure that it is R joint satisfactorily attached to the wiring, pull the contact socket R R CAUTION: MAKE SURE THAT YOU USE THE CORRECT LOCATOR AND THAT THE CRIMP TOOL IS SET CORRECTLY. IF NOT, THE LEAD OR CONTACT CAN BE DAMAGED R OR THE CONTACT INCORRECTLY ATTACHED TO THE LEAD. R R (h) Install the contact sockets Use ESC10SE61212SNO, connector, 1 into the harness connector and off, 04-490 and ESC65E12, clamp, R backshell 4005EV-A. Terminate backshell assembly, 1 off, 03-490. R Use the applicable contact the cable grounds into the R R backshell extraction/insertion tool. R Refer to Figure 8 and/or Figure 10 R (i) Install the contact sockets Use ESC10SE6121S60, connector, 1 off, 04-510 and ESC65E12, clamp, backshell into the harness connector and R assembly, 1 off, 03-510. backshell 4005EV-B. Terminate R Use the applicable contact R the cable grounds into the R backshell extraction/insertion tool. Refer to Figure 8 and/or Figure 10 R (j) Make sure that the new contact Carry out the tests that follow: R R sockets and the Continuity test on the electrical connector/backshell have been contacts and the backshell, and an R R installed correctly insulation resistance test. R Use electrical test equipment. Refer to the Aircraft Wiring Manual (AWM), R R Chapter/Sections 20-71-20 and R 20-71-21 or Electrical Harnesses and R Cables (EHC), Component Maintenance Manual (CMM), TASK 71-51-41-700-301 R

R (k) Cancel the old part number and re-identify with the new part R number R

Use CoMat 02-148 adhesive tape (electrical) and CoMat 06-131 marking pen.

Refer to Standard Practices Manual (SPP), TASK 70-09-00-400-501, SUBTASK 70-09-00-400-002.

Existing Re-number

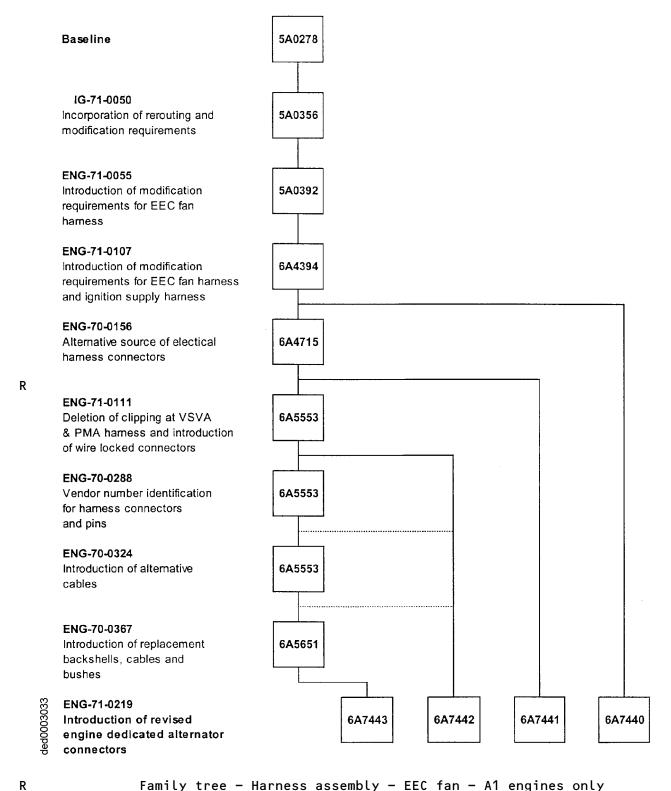
6A6439 6A7447

R R

R C. Recording Instructions

R

R A record of accomplishment is necessary.



Family tree - Harness assembly - EEC fan - A1 engines only Figure 1

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(27.500°)

C.P.0783

(80°).

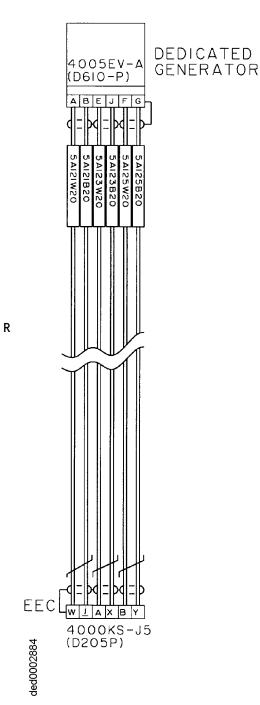
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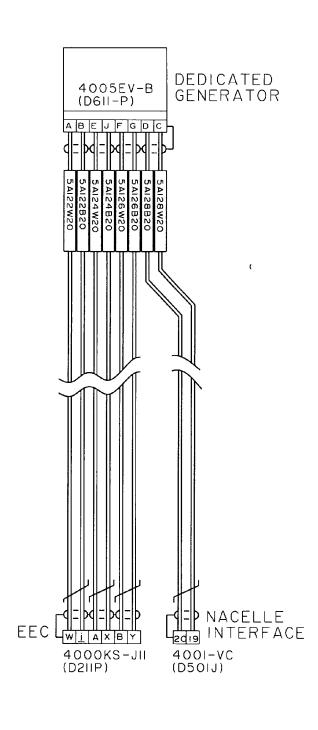
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ANGULAR DIMENSIONS IN DEGREES AND DECIMAL PARTS OF A DEGREE

Family tree - Harness assembly - EEC fan - A5 engines (Except V2533-A5) Figure 2

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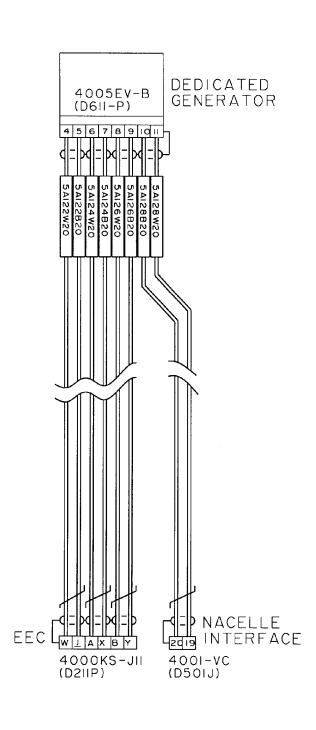


A1 engines wiring diagram - 5A parts - Before alteration Figure 3

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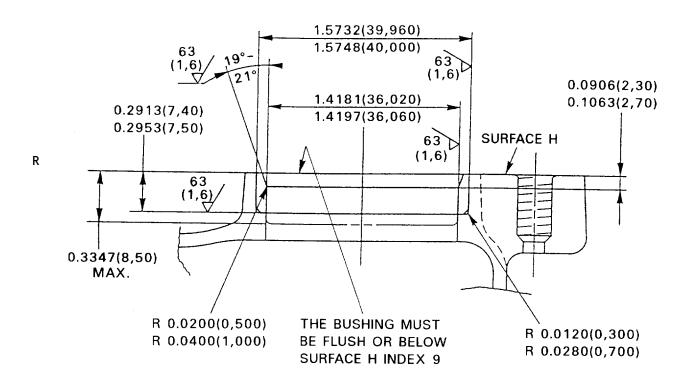
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A1 Engines wiring diagram - 5A parts - After alteration Figure 4

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R R



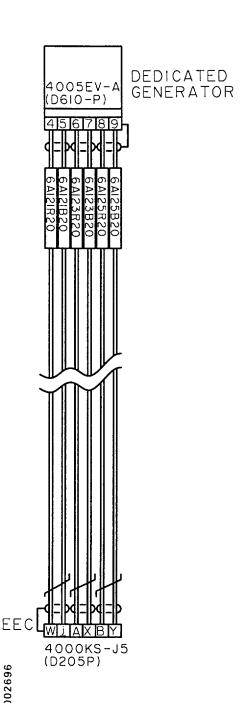
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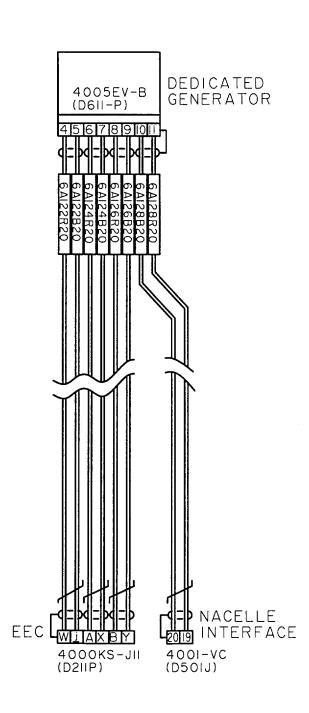
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R R A1 Engines wiring diagram - 6A parts - Before alteration Figure 5

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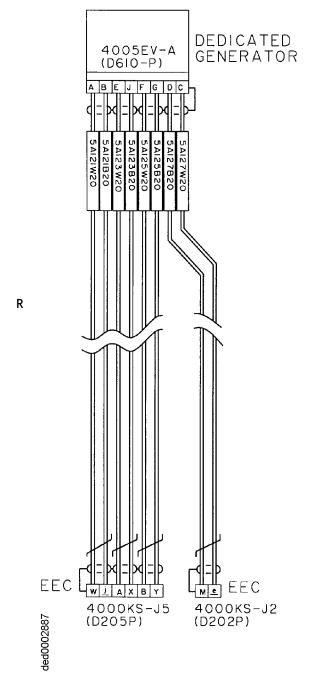
A1 Engines wiring diagram - 6A parts - After alteration Figure 6

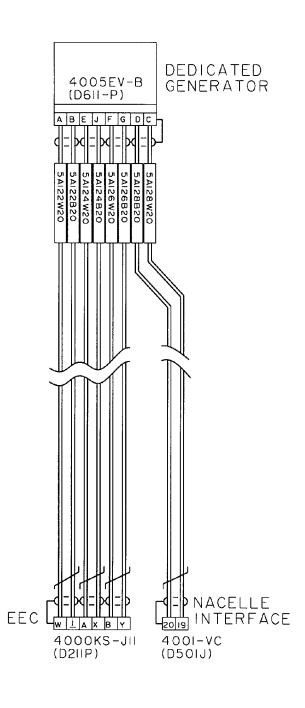
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A5 Engines wiring diagram - 5A parts - Before alteration Figure 7

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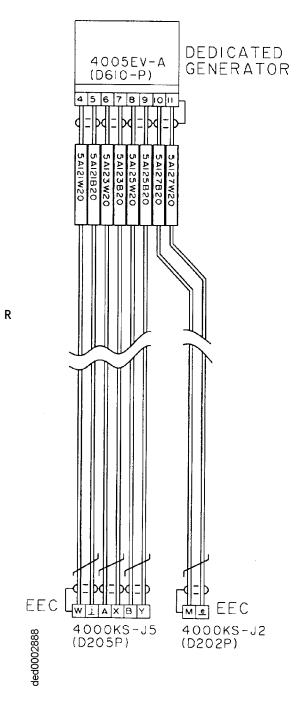
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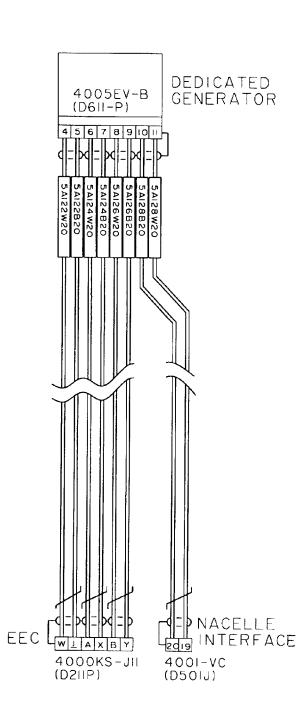
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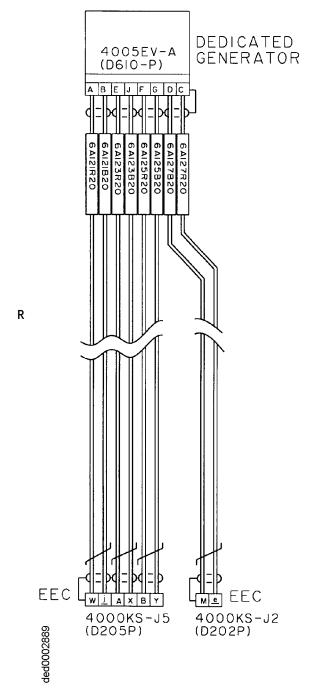


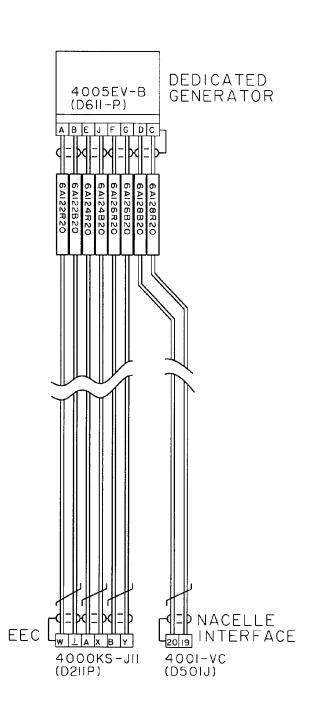
A5 Engines wiring diagram - 5A parts - After alteration Figure 8

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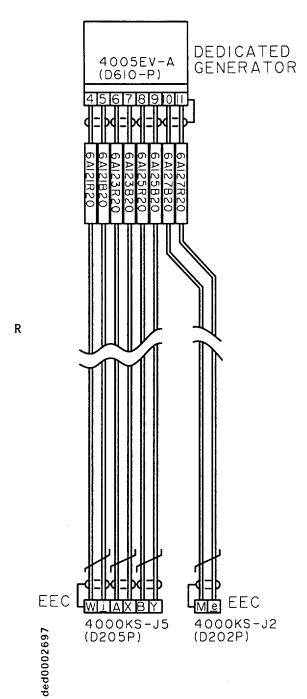


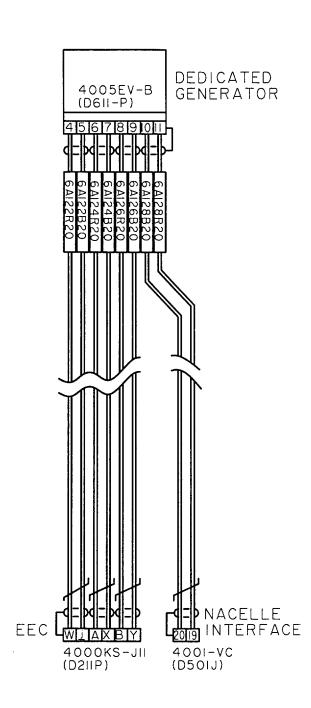
A5 Engines wiring diagram - 6A parts - Before alteration Figure 9

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A5 Engines wiring diagram - 6A parts - After alteration Figure 10

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