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DATE ~~R~~ Jun.30/03**V2500-A1/A5 SERIES PROPULSION SYSTEMS SERVICE BULLETIN**

Printed in Great Britain

This document transmits Revision 1 to Service Bulletin EV2500-71-0271 and
 Revision 1 to the Supplement

Document History

Service Bulletin Revision Status
 Initial Issue Nov.20/02

Supplement Revision Status
 Initial Issue Nov.20/02

Bulletin Revision 1

Remove
 All pages of the
 Service Bulletin

Incorporate
 Pages 1 to 9 of the
 Service Bulletin

Reason for change
 Correction to P Clip part
 Number in Fig.1 Sheet 3 of
 3.

Supplement Revision 1

Remove
 All pages

Incorporate
 Page 1

Reason for change
 Correction to P Clip part
 Number in Fig.1 Sheet 3 of
 3.

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 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

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LIST OF EFFECTIVE PAGES

The effective pages to this Service Bulletin following incorporation of Revision 1 to the Bulletin and Revision 1 to the Supplement are as follows:

<u>Page</u>	<u>Revision Number</u>	<u>Revision Date</u>
Bulletin		
R 1	1	Jun.30/03
R 2	1	Jun.30/03
R 3	1	Jun.30/03
R 4	1	Jun.30/03
R 5	1	Jun.30/03
R 6	1	Jun.30/03
R 7	1	Jun.30/03
R 8	1	Jun.30/03
R 9	1	Jun.30/03
Supplement		
R 1	1	Jun.30/03

Printed in Great Britain



ENGINE - ENGINE VIBRATION MONITOR (E.V.M.) HARNESS - RE-ROUTING OF THE E.V.M. HARNESS
AT CLIPPING POINTS CP0876 AND CP1210

1. Planning Information

A. Effectivity

(1) Airbus A319

V2522-A5, V2524-A5, V2527M-A5 Engines prior to Serial No. V11420.

(2) Airbus A320

All V2500-A1 Engines.

V2527-A5, V2527E-A5 Engines prior to Serial No. V11420.

(3) Airbus A321

V2530-A5, V2533-A5 Engines prior to Serial No. V11420.

B. Concurrent Requirements

(1) For all V2500-A1 engines, Service Bulletin V2500-ENG-71-0177 must be done prior to or concurrently with this Service Bulletin.

(2) For all variants of the V2500-A5 engines prior to serial number V10127 except V10117 and V10118, Service Bulletin V2500-ENG-71-0177 must be done prior to or concurrently with this Service Bulletin.

C. Reason

(1) Problem

There may be a foul condition between the E.V.M. Harness and the Fire Extinguishing Nozzles, which can cause chafing to the outer sheath of the Harness.

(2) Evidence

There have been several reports from operators of the E.V.M. Harness being rejected in the field. This has been caused by a foul condition between the E.V.M. Harness and the Fire Extinguishing Nozzles, which can cause chafing to the outer sheath of the Harness.

(3) Substantiation

A trial installation has shown the new routing of the E.V.M. Harness removes any potential foul condition with the Fire Extinguishing Nozzles.



(4) Objectives

Re-routing the E.V.M. Harness through Clipping Point CP1210 on the EEC and Ignition Supply Harness routing can remove the foul condition. A new 'P' Clip is installed on Clipping Point CP1210 to accommodate the Harness and the stack-up at E.V.M. Harness Clipping Point CP0876 is modified.

(5) Effect of Bulletin on:

(a) Operation

Not affected.

(b) Maintenance

Affected.

(c) Overhaul

Affected.

(d) Repair Scheme

Not affected.

(e) Interchangeability

Affected.

(f) Fits and Clearances

Affected.

D. Description

(1) The changes introduced by this Service Bulletin are as follows:

(a) Clipping Points CP0876 and CP1210 are disassembled.

(b) The E.V.M. Harness is re-routed through Clipping Point CP1210, which has a new 'P' Clip and longer Bolt installed to accommodate the Harness.

(c) The stack-up at Clipping Point CP0876 is modified to accommodate the new routing of the E.V.M. Harness.

E. Compliance

Category 8

Accomplish based upon experience with the prior configuration.

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F. Approval

The technical content of this Service Bulletin has been approved under the authority of the DGAC Design Organisation Approval No. F.JA.02.

G. Manpower

Estimated man-hours to incorporate the intent of this Service Bulletin on each engine:

(1) In Service

Not applicable

(2) At overhaul

0.5 M/Hr

NOTE: Manhours are provided for planning purposes only. No labor reimbursement is provided under the terms of this service bulletin offering.

H. Material Cost and Availability

Modification kit not required. The parts required to accomplish this Service Bulletin are to be procured from operator stock or purchased as single line items. Refer to 2. 'Material Information'.

For prices and availability of future spares see Supplement to this Bulletin.

I. Tooling Cost and Availability

None.

J. Industry Support Information

Not applicable.

K. Weight and Balance

No affect.

L. Electrical Load Data

Not affected.

M. Software Accomplishment Summary

Not applicable.



N. References

- (1) Standard Practices/Processes Manual (SPP-V2500-1IA), Chapter/Section 70-41-00.
- (2) A320/V2500-A1, A320/A321/V2500-A5 Engine Manual (E-V2500-1IA).
- (3) IAE engineering change EC 01VN571
- (4) IAE service bulletin V2500-ENG-71-0177.
- (5) ATA Locator - 71-51-42.

O. Other Publications Affected

- (1) A320/V2500-A1/A5 Engine Illustrated Parts Catalog, Chapter/Section 71-51-42.

P. Interchangeability of Parts

- (1) The parts introduced by this Service Bulletin must be fitted as a set.



2. Material Information

A. Kits associated with this Bulletin

Modification kits not required. Parts to be procured from operator stock or purchased as single line items.

B. Parts affected by this Bulletin:

Applicability: For each V2500-A1 or A5 Engine to incorporate this Bulletin

V2500-A1 Engines

71-51-42

FIG ITEM NO.	NEW PART NO.	QTY	PART TITLE	MAT	OLD PART NO.	INSTR DISP
01468	AS21409 (4W0104)	1	.Bolt	-	AS21408 (4W0103)	(A)(S1)
01471	TA025074-02	2	.'P' Clip	-	TA025074-02	(A)(1D) (S1)

V2500-A5 Engines

FIG ITEM NO.	NEW PART NO.	QTY	PART TITLE	MAT	OLD PART NO.	INSTR DISP
01468	AS21409 (4W0104)	1	.Bolt	-	AS21408 (4W0103)	(A)(S1)
01471	TA025074-02	2	.'P' Clip	-	TA025074-02	(A)(1D) (S1)

C. Instructions/Dispositions Code Statements

(A) Parts are currently available.

(1D) Quantity of old part number was one.

(S1) Parts must be fitted as a set.

D. Materials required to incorporate this Bulletin

None.



3. Accomplishment Instructions

A. Pre-requisite Instructions

None.

B. Rework Instructions

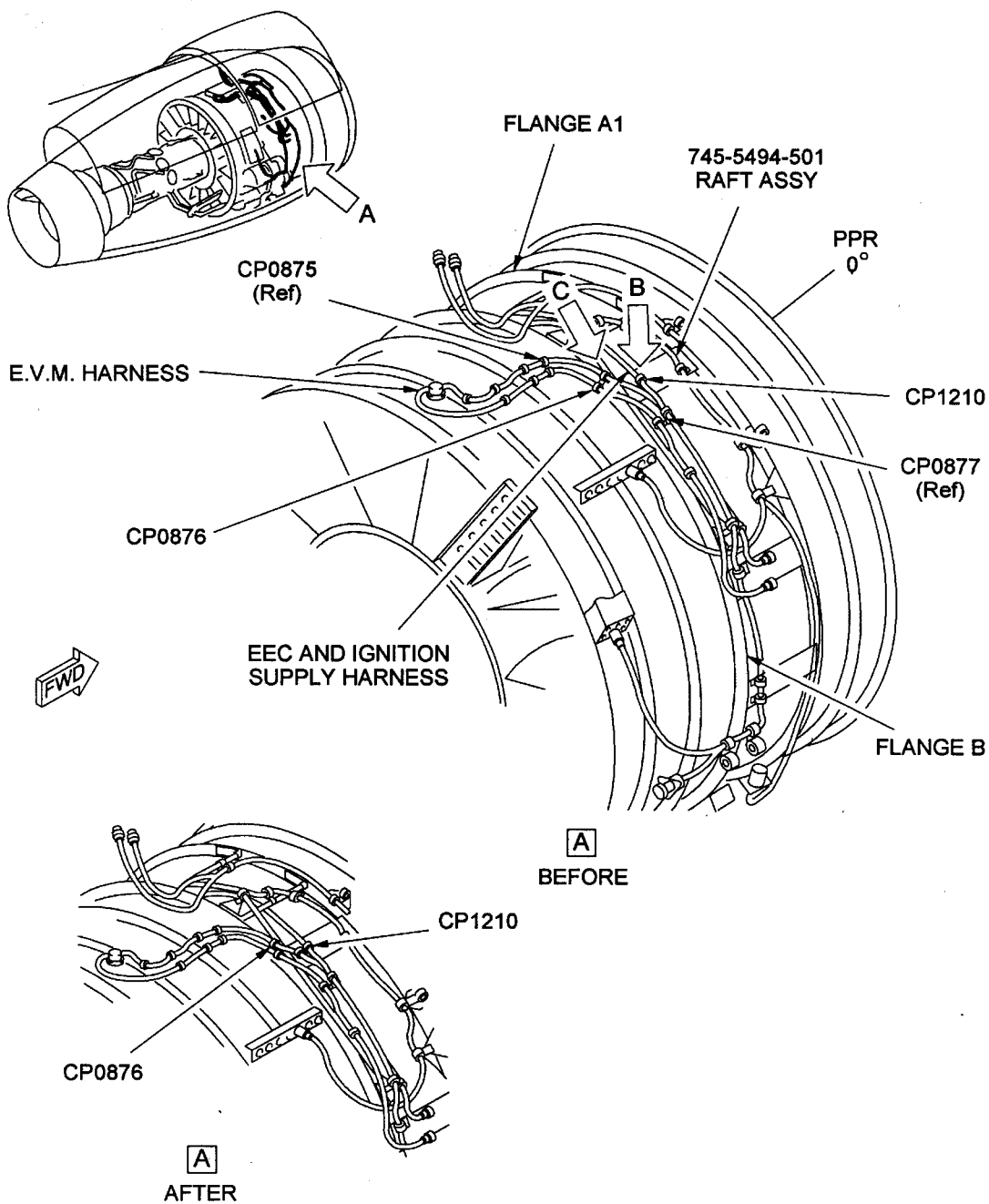
- (1) Remove the AS21408 Bolt and the SP154D Washer to disassemble Clipping Point CP1210. Refer to Figure 1 view B - before.
- (2) Remove the AS21410 Bolt, the SP154D Washer and the AS20624 Nut to disassemble Clipping Point CP0876. Refer to Figure 1 view C - before.
- (3) Remove the forward TA025074-02 'P' Clip from the E.V.M. Harness and fit to the Harness to suit the new stack-up of the Clipping Point CP0876. Refer to Figure 1 view C.
- (4) Locate the E.V.M. Harnesses to the Raceway at Clipping Point CP0876 and install with the AS21410 Bolt, the SP154D Washer and the AS20624 Nut. Refer to Figure 1 view C - after. Hand tighten the bolt.
- (5) Fit the TA025074-02 'P' Clip to the E.V.M. Harness and install to the 745-5494-501 Raft Assembly at Clipping Point CP1210 with the AS21409 Bolt and SP154D Washer. Refer to Figure 1 view B - after. Hand tighten the bolt.
- (6) Make sure the E.V.M. Harness has a minimum clearance of 0.250 in. (6,35 mm.) with adjacent structure/hardware between Clipping Points CP0877 and CP0875. Refer to the A320/V2500-A1, A320/A321/V2500-A5 Engine Manual (E-V2500-1IA) for details on harness clearances. Refer to Figure 1.
- (7) Torque the Bolts at Clipping Points CP0876 and CP1210 to 20 to 25 lbf in. (2 to 3 Nm.) as instructed in the SPP-V2500-1IA Standard Practices/Processes Manual, Chapter 70-41-00.

C. Post-requisite Instructions

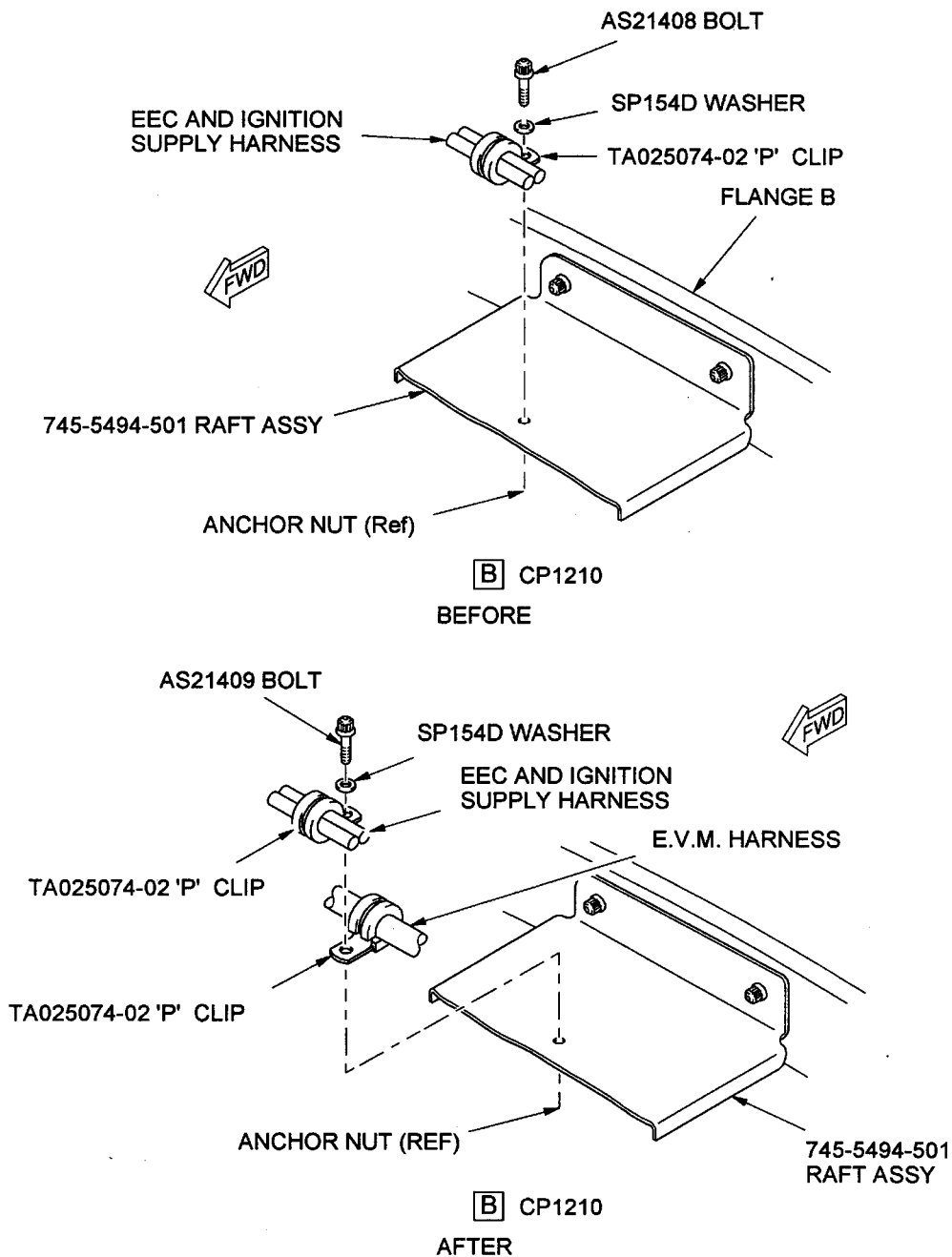
None.

D. Recording Instructions

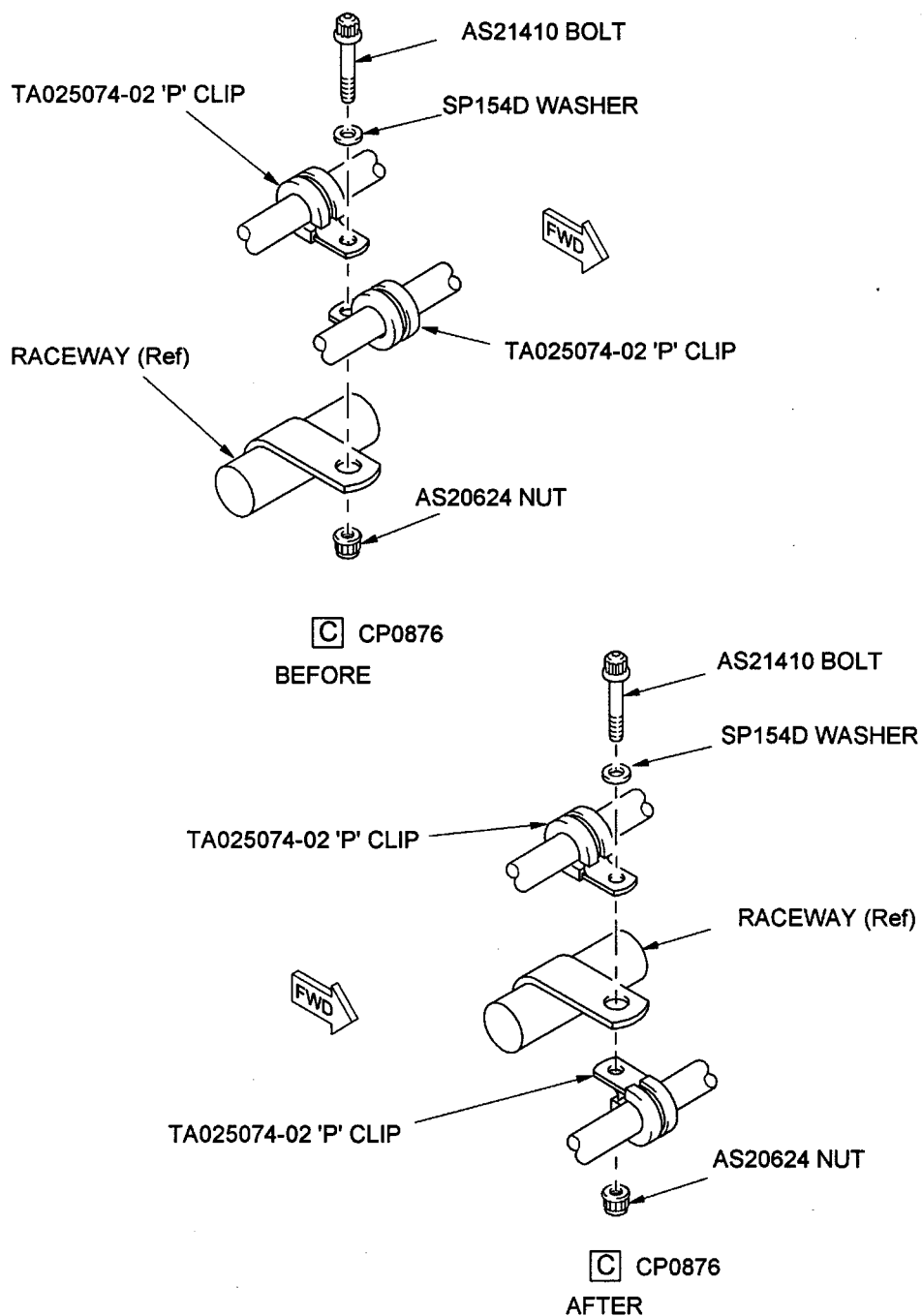
A record of accomplishment is necessary. Write in the Aircraft Log Book that Service Bulletin V2500-ENG-71-0271 has been done.



Rerouting of the E.V.M. Harness
Figure 1 (Sheet 1 of 3)



Rerouting of the E.V.M. Harness
Figure 1 (Sheet 2 of 3)



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Rerouting of the E.V.M. Harness
Figure 1 (Sheet 3 of 3)

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ENGINE - ENGINE VIBRATION MONITOR (E.V.M.) HARNESS - RE-ROUTING OF THE E.V.M. HARNESS
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SUPPLEMENT - 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.	Desc.	Unit Price US Dollars
TA025074-02	'P' Clip	Price supplied on request
AS21409 (4W0104)	Bolt	Price supplied on request

