



**International
Aero Engines**

V2500 Propulsion System — Engine

SERVICE BULLETIN

**NACELLE - POWERPLANT - GENERAL SERVICES HARNESS -
CLIPPING POINTS - MODIFICATION OF**

MODEL APPLICATION

V2500-A1

BULLETIN INDEX LOCATOR

71-00-00

COMPLIANCE CATEGORY CODE

4

INTERNAL REFERENCE No

89VN093

V2500-ENG-71-0097

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1. Planning Information

A. Effectivity

(1) Aircraft:

(a) Airbus A320

(2) Engine:

(a) V2500-A1 Engines prior to V0122.

B. Reason

(1) Condition

Under operating conditions it is possible for the General Services Harness to make contact with the Raft assembly attached to the Fan Case.

(2) Background

Several instances of this condition have been reported.

(3) Objective

To prevent possible damage to the General Services Harness.

(4) Substantiation

Trial installation has shown that the addition of a 20mm Spacer at two clipping points will give the necessary clearance.

(5) Effect of Bulletin on:

(a) Removal/Installation	Affected
(b) Disassembly/Assembly	Not Affected
(c) Cleaning	Not Affected
(d) Inspection/Check	Not Affected
(e) Repair	Not Affected
(f) Testing	Not Affected

(6) Supplemental Information

The A320/A321/V2500-A1 Engine Manual(E-V2500-1IA)Chapter 72-00-32 will be revised to include the new installation instructions.



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C. Description

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

- (a) Clipping points CP0853 and CP0857 on the General Services Harness are disassembled and a 20mm Spacer and longer Bolt is installed at each clipping point.

D. Approval

The technical content of this Service Bulletin is covered by an Airbus Industrie Modification which is under DGAC (Direction Generale de L'Aviation Civile - France) approval.

E. Compliance

Category 4

Accomplish at the first visit of an engine or module to a maintenance base capable of a compliance with the accomplishment instructions regardless of the planned maintenance action or the reason for engine removal.

F. Manpower

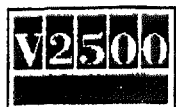
Estimated Manhours to incorporate the full intent of this Service Bulletin:

<u>VENUE</u>	<u>ESTIMATED MANHOURS</u>
(1) In Service	
(a) To gain access.....	0.25 M/Hrs
(b) To embody.....	0.50 M/Hrs
(c) To return engine to service.....	0.25 M/Hrs
Total.....	1.0 M/Hrs

G. Material - Cost and Availability

The parts to accomplish this Service Bulletin are available from the manufacturer as Kit No V2571097-551.

Operators with units listed in Paragraph 1.A should submit a purchase order for the applicable quantity of kits. The purchase order must specify this Service Bulletin number and only the parts listed herein. Operators will have one year from the issue date of this Service Bulletin to place an order. After one year, kits will no longer be available and Operators will have to order parts individually at catalog prices, if they desire to incorporate the change.



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Direct request to:

Rohr Inc.
850 Lagoon Drive
Chula Vista, CA 91910-2098 USA

Attn: Airline Support Manager - MZ107A
(Service Bulletin No. V2500-ENG-71-0097)

H. Tooling - Cost and Availability

None required.

I. Weight and Balance

- | | | |
|-----|---------------------|--|
| (1) | Weight change | None. |
| (2) | Moment arm | No effect. |
| (3) | Datum | Engine Front Mount Centerline
(Powerplant Station PPS 100.00) |

J. Electrical Load Data

Not affected.

K. References

<u>Publication</u>	<u>Chapter/Section</u>
A320/V2500-A1 Engine Maintenance Manual (M-V2500-1IA)	71-13-00

L. Other Publications Affected

<u>Publication</u>	<u>Chapter/Section</u>
A320/V2500-A1 Powerplant Illustrated Parts Catalog (PIP-V2500-1IA).	71-51-43
A320/V2500-A1 Engine Illustrated Parts Catalog (PIP-V2500-1IA).	71-51-43



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2. Accomplishment Instructions

A. Pre-requisite Instructions

- (1) Open the Left Fan Cowl Door as instructed in the A320 Aircraft Maintenance Manual, Task 71-13-00-010-010.
- (2) Find clipping points CP0853 and CP0857 on the left side of the Engine Fancase (Refer to Figure 1).

B. Modification Instructions

WARNING: DO NOT TOUCH THE ENGINE COMPONENTS UNTIL THEY ARE COOL. THE ENGINE COMPONENTS STAY HOT FOR SOME TIME AFTER THE ENGINE IS SHUT DOWN AND CAN CAUSE INJURY.

- (1) Remove the AS21408 Bolt, SP154D Washer and JM44LC39H106RG 'P' Clip from the 740-5425-505 bracket at clipping point CP0857 (Refer to Figure 2) Discard the AS21408 Bolt.
- (2) Install the AS21420 Bolt, SP154D Washer, JM44LC39H106RG 'P' Clip and ST1698D50 Spacer to the 740-5425-505 Bracket. Torque the Bolt to 40 lb in (4.52 Nm).
- (3) Remove the AS21408 Bolt, SP154D Washer and JM44LC39H107RG 'P' Clip from the 740-5425-505 Bracket at clipping point CP0853 (Refer to Figure 3). Discard the AS21408 Bolt.
- (4) Install the AS21420 Bolt, SP154D Washer, JM44LC39H107RG 'P' Clip and ST1698D50 Spacer to the 740-5425-505 Bracket. Torque the Bolt to 40 lb in (4.52 Nm).

C. Post-requisite Instructions

- (1) Close the Left Fan Cowl Door as instructed in the A320 Aircraft Maintenance Manual, Task 71-13-00-410-010.

D. Recording Instructions

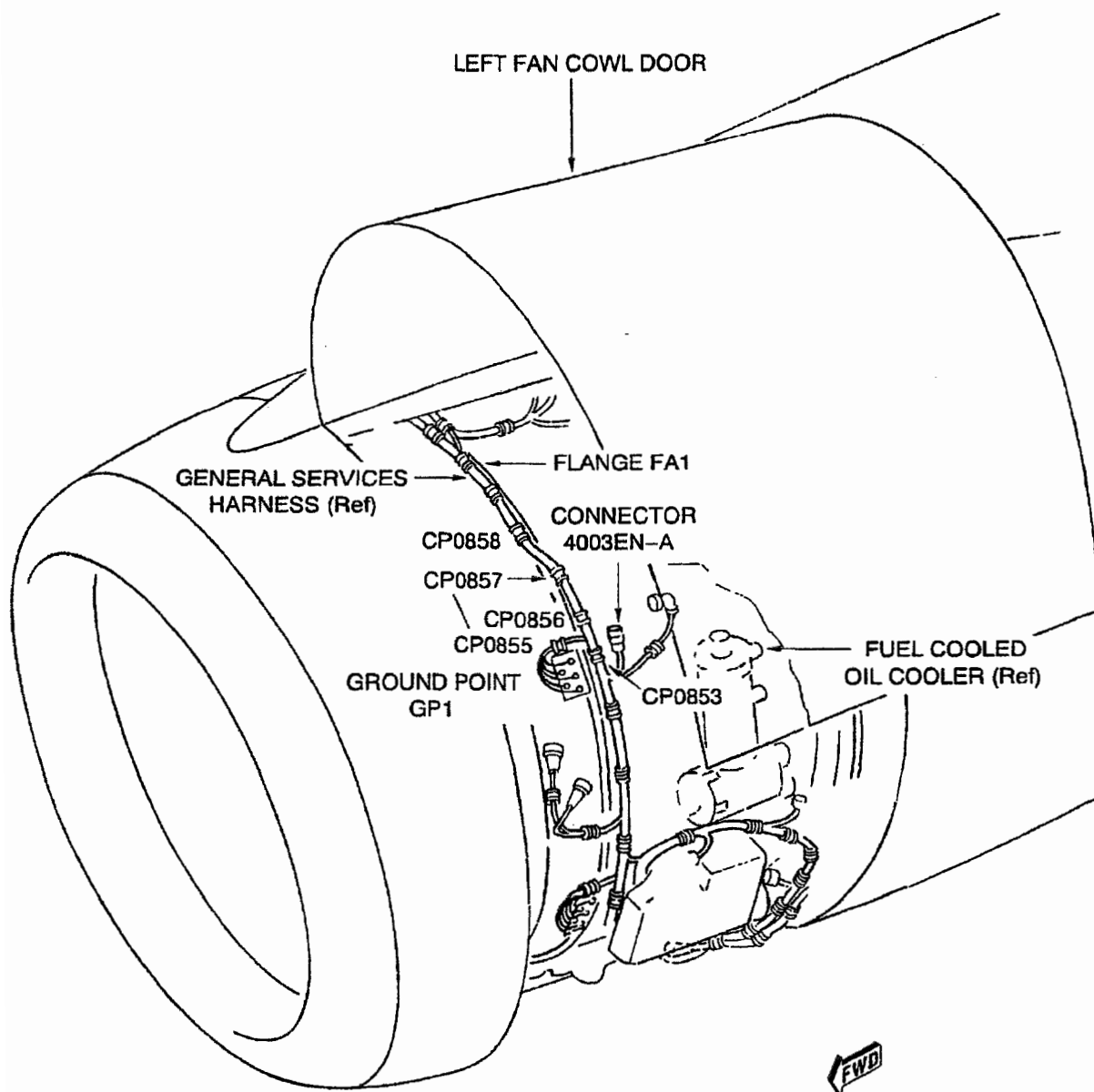
A record of accomplishment is necessary. Write in the Engine Log that Service Bulletin V2500-ENG-71-0097 has been done.



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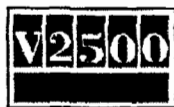
MODIFICATION OF CLIPPING POINTS CP0853 AND CP0857

Figure 1 Sheet 1 of 3

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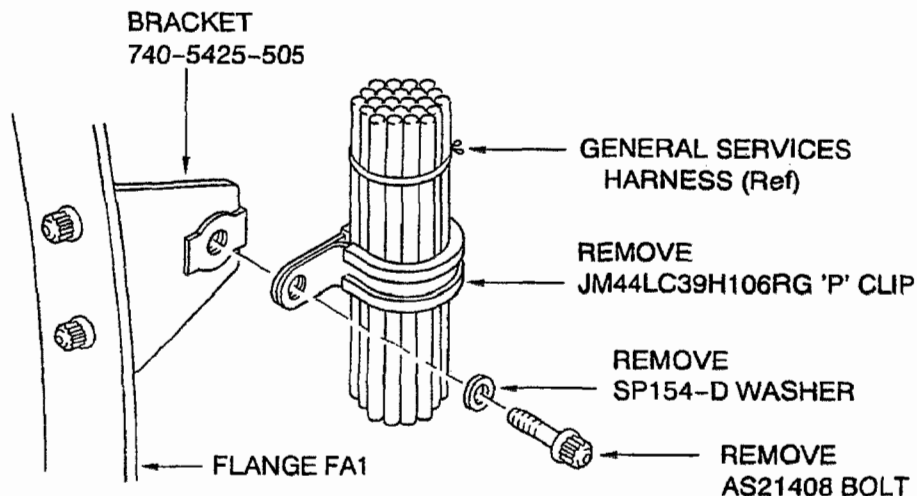
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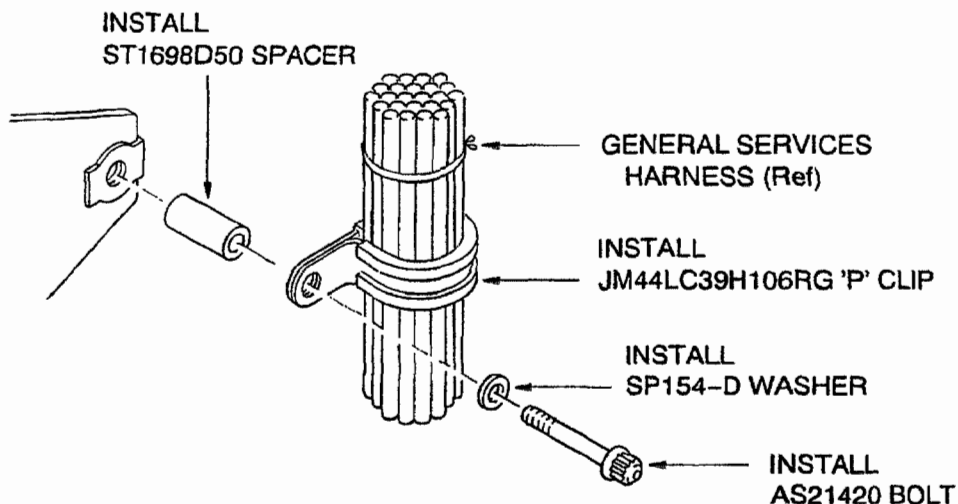
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Clip point 0857
BEFORE



Clip point 0857
AFTER

MODIFICATION OF CLIPPING POINTS CP0853 AND CP0857

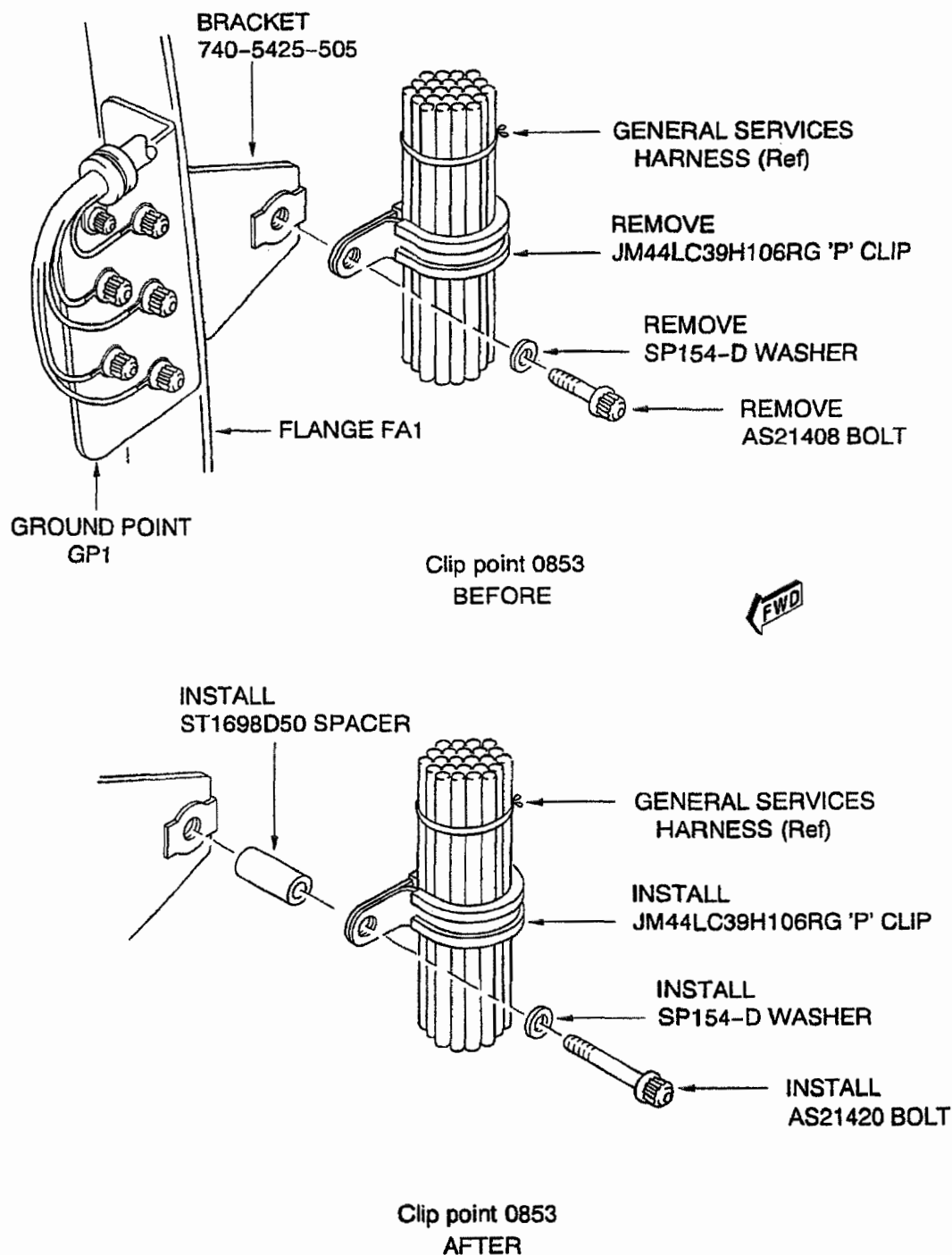
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MODIFICATION OF CLIPPING POINTS CP0853 AND CP0857

Figure 1 Sheet 3 of 3



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3. Material Information

NEW PART No (ATA No)	QTY	EST'D UNIT PRICE (\$)	KEYWORD	OLD PART No (IPC No)	INSTR/ DISPOS
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Applicability: For each V2500 Engine to incorporate this Bulletin.

A. Kits associated with this Bulletin

V2571097-551 consisting of:	1	Kit	(A)
ST1698D50	2	Spacer	
AS21420	2	Bolt	

B. Parts affected by this Bulletin

AS21420 (71-51-43)	2	.Bolt	AS21408 (01-278) (01-310)	(1D) (B) (S1)
ST1698D50 (71-51-43)	2	.Spacer	--- (01-283) (01-315)	(S1) (B)

C Instructions/Disposition Code Statements:

- (A) Kit is available.
- (B) New part supplied as detail of kit.
- (S1) New parts coded (S1) must replace old parts coded (S1) as a complete set per engine.
- (1D) Old parts can be used on other applications.

NOTE: The estimated 1998 Unit Price shown is provided for planning purposes only and does not constitute a firm quotation. Consult the Rohr Price Catalog or contact Rohr's Spares Parts Sales Department for information concerning firm prices.

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