



# SERVICE BULLETIN

## ENGINE - POWER PLANT - EEC AND IGNITION SUPPLY HARNESS, CLIPPING POINTS - CHANGES TO - CATEGORY CODE 4 - MOD.ENG-71-0035

NOTE: This Service Bulletin must be incorporated concurrently with IAE Service Bulletin V2500-ENG-71-0029.

### 1. Planning Information

#### A. Effectivity

- (1) Airplane: Airbus A320
- (2) Engine: V2500-A1 Engines prior to Serial Number V0076, excluding V0068, V0072, and V0074.

#### B. Reason

##### (1) Condition

The EEC and ignition supply harness may have inadequate clearance with the engine flange at clipping points 0819 and 0821.

##### (2) Background

Some installed harnesses could have unsatisfactory clearance with the engine flanges. Because of this the harness could possibly rub against the engine flange when the engine is in operation. It is recommended to increase the clearance between the harness and the flanges.

##### (3) Objective

To maintain engine reliability and safety and increase the life of the EEC and ignition supply harness.

##### (4) Substantiation

It has been shown that the incorporation of this Service Bulletin will give a solution to the problem.

##### (5) Impact of Bulletin on:

Removal/Installation	Not Affected
Disassembly/Assembly	Not Affected
Cleaning	Not Affected
Inspection/Check	Not Affected
Repair	Not Affected
Testing	Not Affected

##### (6) Supplemental Information

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Not affected.

C. Description

(1) The change introduced by this Bulletin is as follows:

A spacer is installed at clipping points 0819 and 0821 on the engine fan case. The bolt at the clipping points must also be replaced as a result of the installation of the spacers. This modification will increase the clearance between the EEC and ignition supply harness and the engine flanges.

D. Approval

The part number changes and/or part modifications described in Paragraphs 2 and 3 of this Service Bulletin have been shown to comply with the applicable Federal Aviation Regulations and are FAA approved for the equipment model(s) listed.

E. Compliance

Category 4

Accomplish at the first visit of an Engine or Module to a maintenance base capable of 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 Bulletin:

VENUE	ESTIMATED MANHOURS
(1) In Service	
(a) To gain access .....	0.2 M/HRS.
(b) To embody .....	0.4 M/HRS.
(c) To return nacelle to service .....	0.2 M/HRS.
TOTAL	0.8 M/HRS.

G. Material Cost and Availability

The parts to accomplish this Service Bulletin are available from the supplier as Kit V2571035-551 at no cost to the operator.

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Operators with units listed in Paragraph 1.A should submit a no charge purchase order for the applicable quantity of Kits. The purchase order must specify this service bulletin number and only the parts listed herein. Delivery schedules will be furnished to operators upon receipt of their written request.

Direct purchase order to:

Rohr Industries, Inc.  
660 Bay Blvd.  
Chula Vista, CA 92012-0878 USA  
Attn: Customer Support Manager, Bldg. 850A  
(Service Bulletin No. V2500-ENG-71-0035)

## 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

- (1) Internal Reference No.  
89VN065
- (2) Other References  
V2500 Aircraft Maintenance Manual 71-13-00 70-23-11

## L. Other Publications Affected

V2500 Illustrated Parts Catalog 71-51-42

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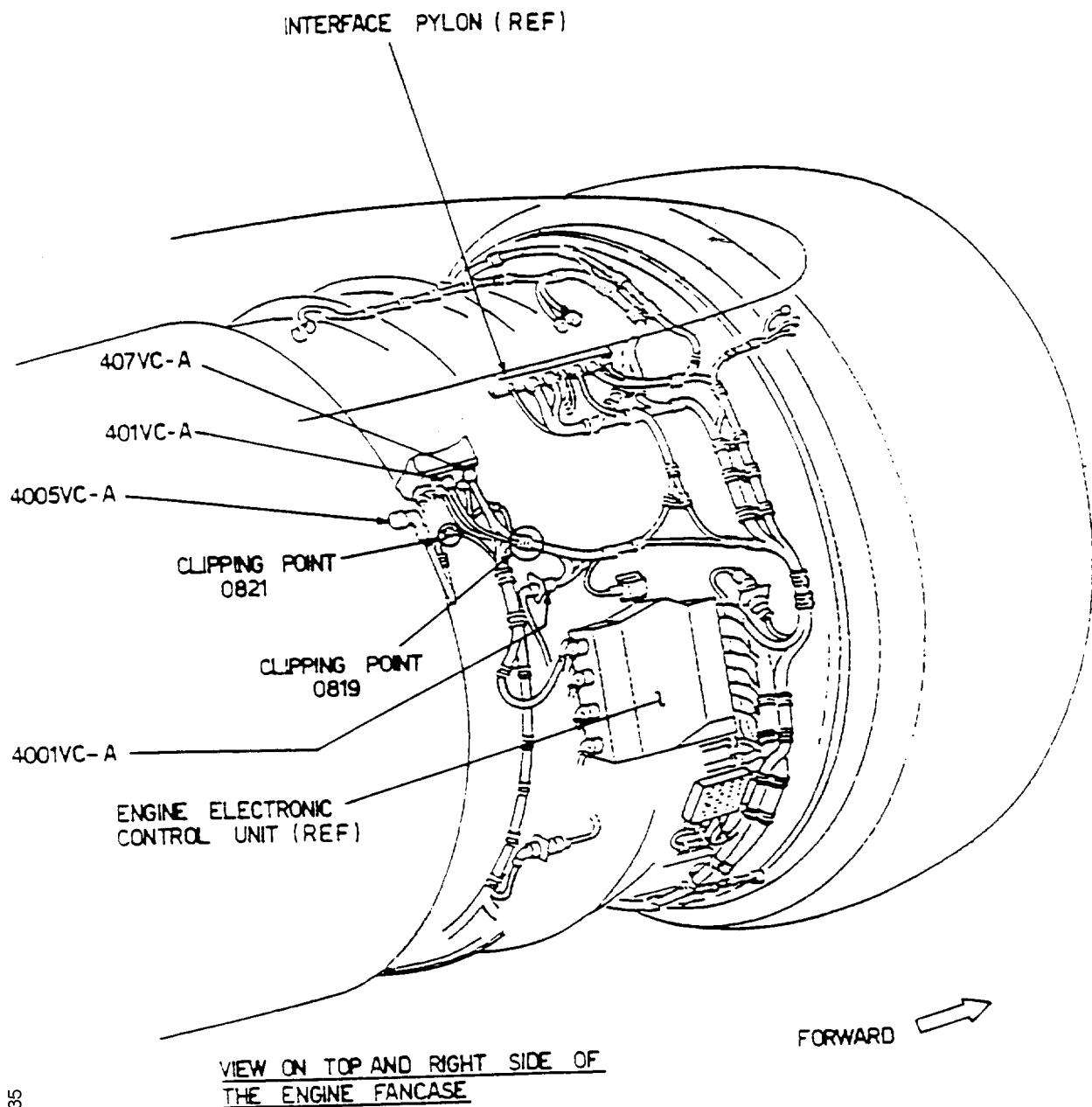
## 2. Accomplishment Instructions

### A. Prerequisite Instructions

- (1) Open the fan cowl doors as specified in the V2500 Aircraft Maintenance Manual, Task 71-13-00-010-010.
- (2) Find the 0819 and 0821 clipping points on the engine fancase. (Refer to Figure 1.)

### B. Rework or Modification Instructions

- (1) Change clipping point 0819 as follows: (Refer to Figure 2.)
  - (a) Remove the AS21408 bolt, the SP154/D washer which attach the JM44LC39H109RG 'P' clip to the 740-5429-501 mounting bracket. Discard the bolt.
  - (b) Assemble the clipping point to the 740-5429-501 mounting bracket as shown in the after configuration of Figure 2. Install the ST1698-D48 spacer and attach the JM44LC39H109RG 'P' clip to the bracket with an AS21415 bolt and an SP154/D washer.
  - (c) Torque the AS21415 bolt to 40 lb-in. (4.52 N.m) as specified in the V2500 Aircraft Maintenance Manual, Task 70-23-11-911-010.
- (2) Change clipping point 0821 as follows: (Refer to Figure 2.)
  - (a) Remove the AS21408 bolt and the SP154/D washer which attach the JMM44LC39H103RG 'P' clip to the 740-5441-503 mounting bracket. Discard the bolt.
  - (b) Assemble the clipping point to the 740-5441-503 mounting bracket as shown in the after configuration of Figure 2. Install the ST1698-D48 spacer and attach the JM44LC39H103RG 'P' clip to the bracket with an AS21415 bolt and an SP154/D washer.
  - (c) Torque the AS21415 bolt to 40 lb-in. (4.52 N.m) as specified in the V2500 Aircraft Maintenance Manual, Task 70-23-11-911-010.



Location of Clipping Points 0819 and 0821  
Fig.1

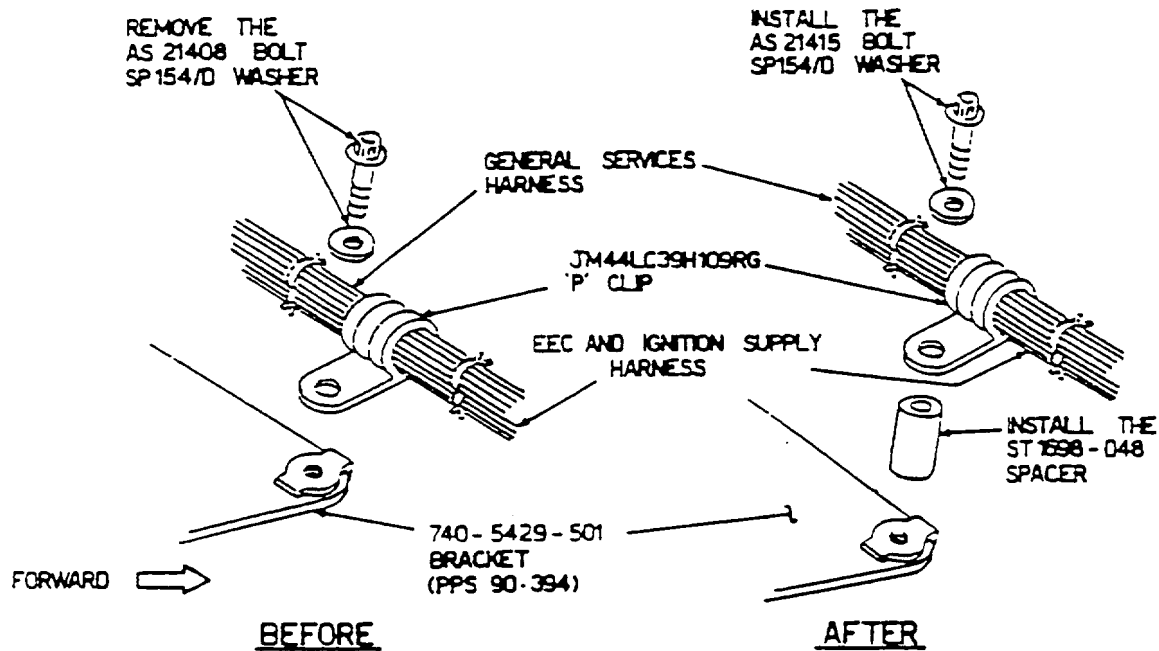
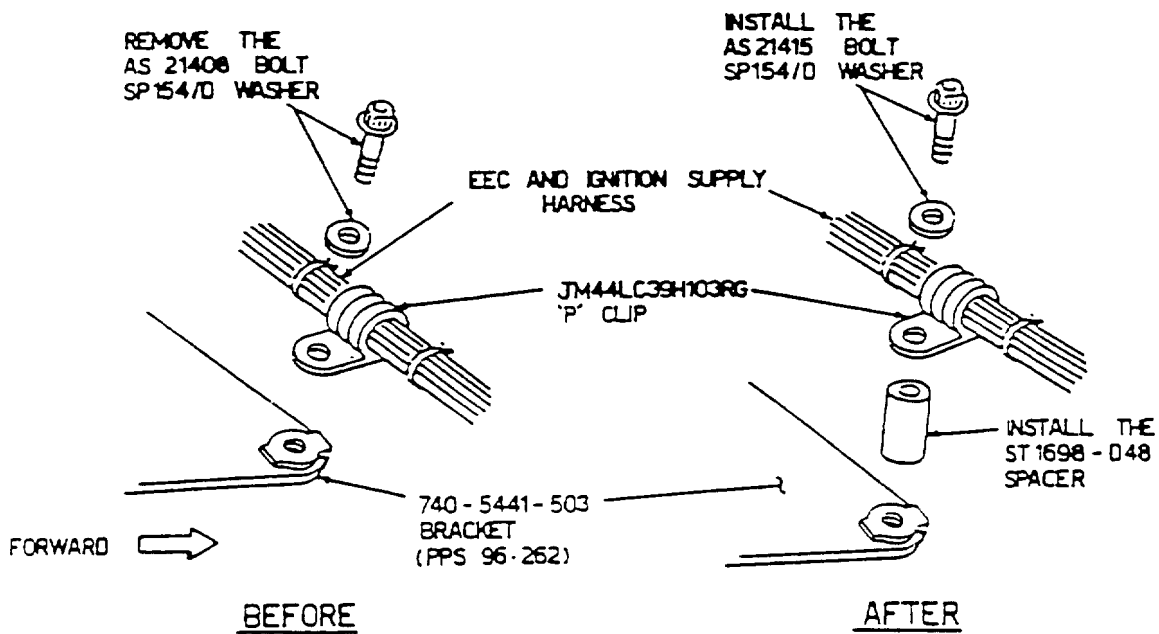
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CLIPPING POINT 0819CLIPPING POINT 0821Change of Clipping Points 0819 and 0821  
Fig.2

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C. Post-requisite Instructions

- (1) Close the right fan cowl door as specified in the V2500 Aircraft Maintenance Manual, Task 71-13-00-410-010.

D. Recording Instructions

- (1) A record of accomplishment is necessary.



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3. Material Information

NEW PN (ATA NO.)	Qty	EST'D UNIT PRICE (\$)	KEYWORD	Old pn (IPC No.)	INSTR/ DISPOS
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Applicabilty: For each V2500 Engine to incorporate this Bulletin.

A. Kits Associated with this Service Bulletin:

V2571035-551	1		Kit		(A)
consisting of:					
ST1698D48	2		Spacer		
AS21415	2		Bolt		

B. Parts Affected by this Service Bulletin:

AS21415	1	Bolt	AS21408	(B)(1D)
(71-51-42)			(01-174)	
AS21415	1	Bolt	AS21410	(B)(1D)
(71-51-42)			(01-190)	
ST1698D48	2	Spacer	--	
(71-51-42)			(01-176)	(B)
			(01-192)	

C. Instruction/Disposition Code Statements:

- (A) Kits are available.
- (B) New part supplied as detail of the Kit.
- (1D) Discard the old part.

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