



International
Aero Engines

V2500 Propulsion System — Engine

SERVICE BULLETIN

ENGINE - POWERPLANT - - MODIFICATION OF OIL PRESSURE SWITCH PIPING
SUPPORT CLIPS

MODEL APPLICATION

V2500-A1

BULLETIN INDEX LOCATOR

71-00-00

79-00-00

COMPLIANCE CATEGORY CODE

4

INTERNAL REFERENCE No

SR/SM 88VN148

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1. Planning Information

A. Effectivity

(1) Aircraft:

(a) Airbus A320

(2) Nacelle:

(a) V2500-A1 Engine Buildup Units prior to Serial Number 31.

B. Reason

(1) Condition

Minimum clearance condition exists between adjacent Oil Pressure Switch Piping.

(2) Background

The minimum clearance condition was discovered in production.

(3) Objective

To ensure minimum clearance conditions for the Oil Pressure Switch Piping are met.

(4) Substantiation

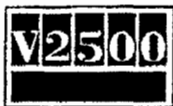
Not applicable.

(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

None.



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C. Description

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

- (a) Pipe clips at two clipping positions on the oil pressure switch piping are disconnected. Two new clipping positions are introduced. (Two new 'P' clips installed on larger pipes, local to the old clipping positions) to which the pipe clips are connected. (Refer to figure 3.)

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 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 0.20 M/Hrs.

(b) To embody 0.50 M/Hrs.

(c) To return engine to service 0.20 M/Hrs.

Total .. 0.90 M/Hrs.

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G. Material Cost and Availability

The parts to accomplish this Service Bulletin are available from the supplier as Kit V2571004-551 at no cost to the operator.

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

Attn: Airline Support Manager, - MZ107A
(Service Bulletin No. V2500-NAC-71-0004)

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

A320/A321 Aircraft Maintenance Manual

78-32-00

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L. Other Publications Affected

A320/V2500-A1 Power Plant Illustrated Parts	71-71-48
Catalog (PIP-V2500-1IA)	79-21-49
	79-22-49

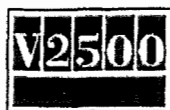
A320/V2500-A1 Engine Illustrated Parts Catalog 79-22-49
(S-V2500-1IA)

A320/V2500-A1/A320/A321/V2500-A5 Engine Manual 72-00-32
(E-V2500-1IA)

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2. Accomplishment Instructions

A. Pre-requisite Instructions

- (1) Open the thrust reverser halves as specified in the A320/A321 Aircraft Maintenance Manual, Task 78-32-00-010-010.
- (2) Find the oil pressure switch pipes on the left side of the engine fan case. (Refer to Figure 1.)

B. Rework or Modification Instructions

- (1) Remove an AS20624 nut, a SP154-D washer, and a 400WSS-4 'P' clip from clipping point CPO9331. (Refer to Figures 2 and 3.) Install the nut and washer back on CPO931. Torque the nut to 20-25 lbin (2.26-2.83 Nm). Keep the 400WSS-4 'P' clip for installation on the 740-5790 pipe.
- (2) Remove two 400WSS-4 'P' clips, an AS21408 bolt, an AS20624 nut, and a SP154-D washer from clipping point CP0912. (Refer to Figures 1 and 3.) Keep clips for CP0972. Keep the remaining hardware for clipping point CP0973.
- (3) Put a 400WSS-16 'P' clip on the 2A0649 pipe and the 400WSS-4 'P' clip on the 740-5790 pipe as shown (local to clipping point CPO931) to make clipping point CP0973. Attach the two clips together with an AS21408 bolt, an AS20624 nut, and a SP154-D washer kept from paragraph 2.B.(2). Torque the bolt to 20-25 lbin (2.26-2.83 Nm).
- (4) Put a 400WSS-14 'P' clip on the 5A8767 pipe, a 400WSS-4 'P' clip on the 740-5769 pipe, and a 400WSS-4 'P' clip on the 740-5757 pipe (local to clipping point CP0912) as shown to make clipping point CP0972. Attach the 'P' clips together with an AS21409 bolt, an AS20624 nut, and a SP154-D washer. Torque the bolt to 20-25 lbin (2.26-2.83 Nm).

C. Post-requisite Instructions

- (1) Close the thrust reverser halves as specified in the A320/A321 Aircraft Maintenance Manual, Task 78-32-00-410-010.

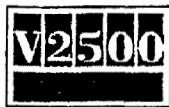
D. Recording Instructions

- (1) A record of accomplishment is necessary.

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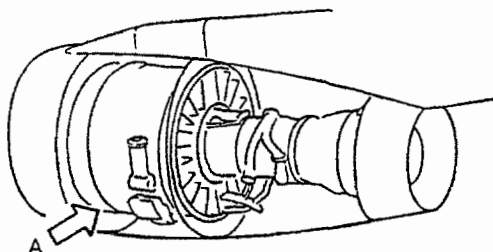
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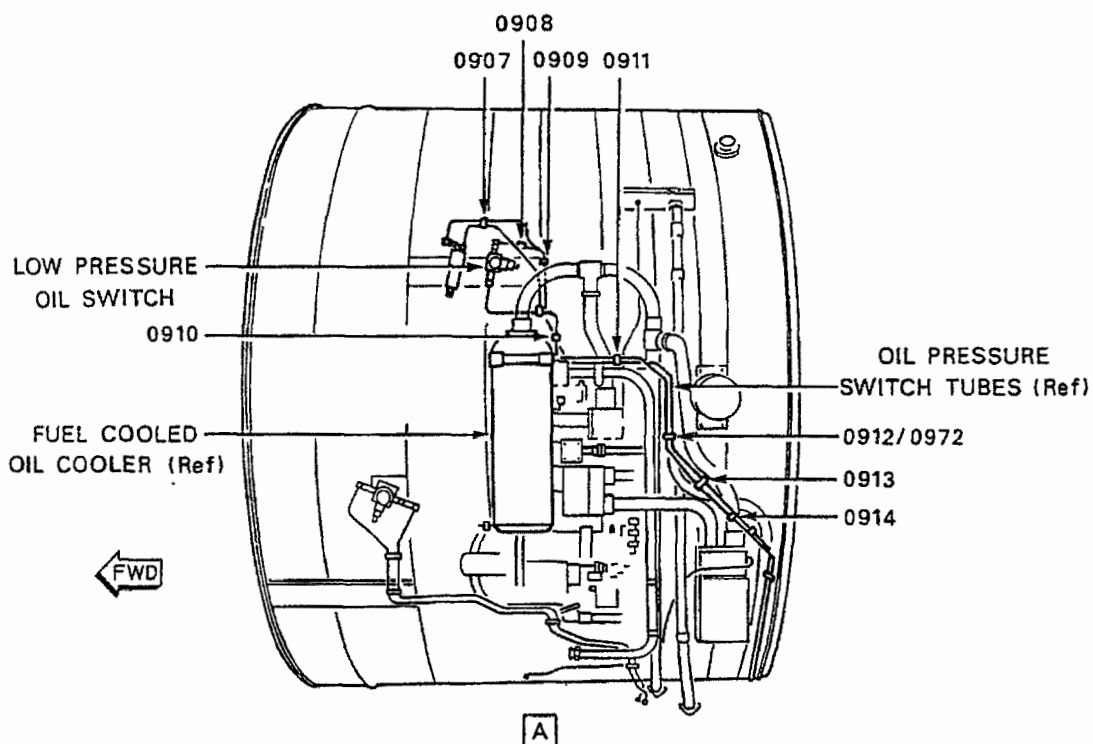
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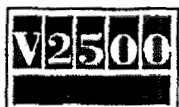
NOTES: 1.CP0972 REPLACES CP0912
(REFER TO FIGURE 3)

2.CLIPPING POINTS 0907 THRU 0911,
0913 & 0914 ARE REF. ONLY



LOCATION OF CP0912/0972 ON THE ENGINE FAN CASE

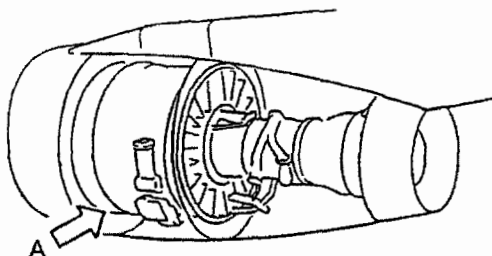
FIGURE 1



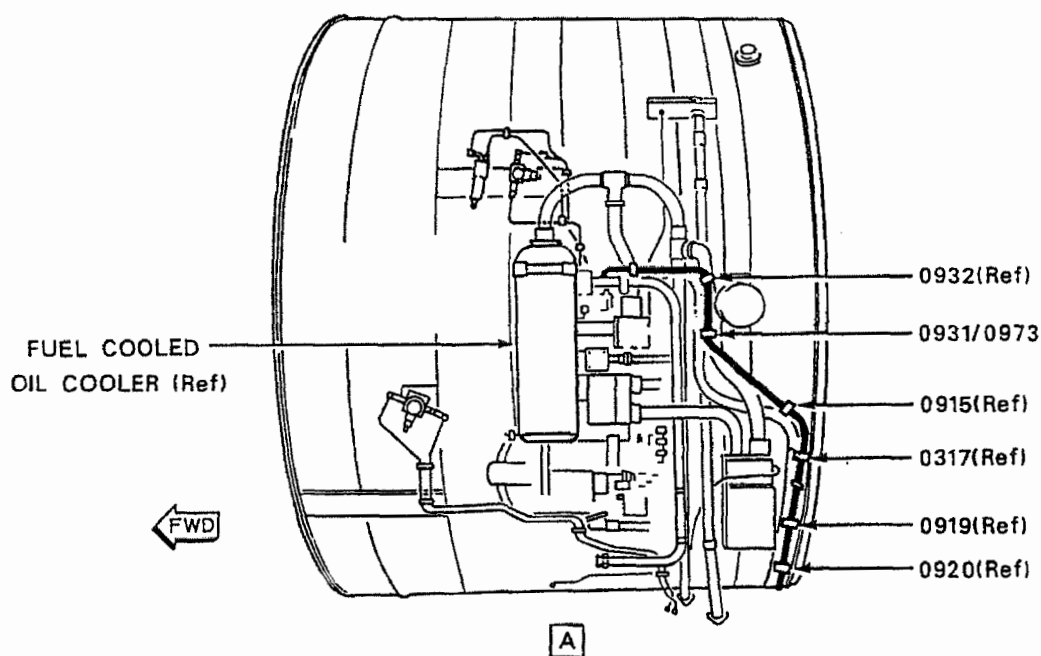
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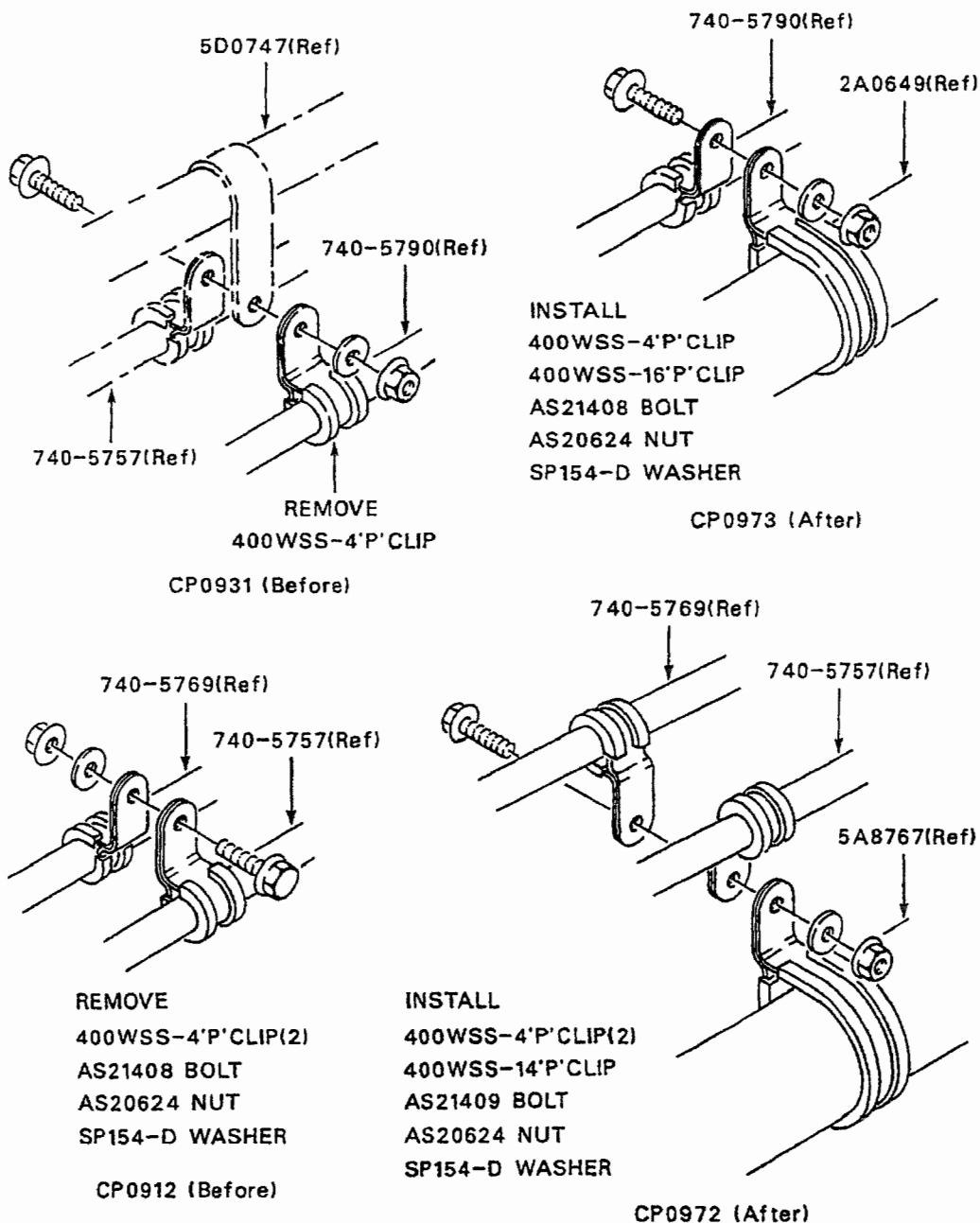
NOTE: CP0973 REPLACES CP0931
(REFER TO FIGURE 3)



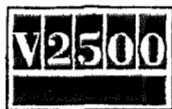
LOCATION OF CP0931/0973 ON THE ENGINE FAN CASE

FIGURE 2

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MODIFICATION OF CLIPPING POINTS ON THE OIL PRESSURE SWITCH TUBES
FIGURE 3



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3. Material Information

Applicability: For each V2500-A1 Engines to incorporate this Bulletin.

A. Kits associated with this Bulletin:

NEW PART No (ATA No)	QTY	EST'D UNIT PRICE (\$)	KEYWORD	OLD PART No (IPC No)	INSTR, DISPOS
V2571177-551	1		Kit		(A)
Consisting of:					
400WSS16	1		Clip		
400WSS14	1		Clip		
AS21409	1		Bolt		
AS20624	1		Nut		
SP154D	1		Washer		

B. Parts affected by this Bulletin:

400WSS14	1		Clip	---	(B)
(79-21-49)				(03-552)	
AS21409	1		Bolt	---	(B)
(79-21-49)				(17-517)	
SP154D	1		Washer	---	(B)
(79-21-49)				(17-518)	
400WSS4	1		Clip	---	(2D)
(79-21-49)				(17-520)	
AS20624	1		Nut	---	(B)
(79-21-49)				(17-524)	
---	1		Bolt	AS21408	(3D)
(79-21-49)				(17-533)	
---	1		Washer	SP154D	(3D)
(79-21-49)				(17-534)	
---	1		Clip	400WSS4	(3D)
(79-21-49)				(17-536)	
---	1		Nut	AS20624	(3D)
(79-21-49)				(17-540)	
---	1		Clip	400WSS4	(3D)
(79-22-49)				(13-136)	
---	1		Bolt	AS21408	(3D)
(79-22-49)				(13-165)	
---	2		Washer	SP154D	(3D)
(79-22-49)				(13-166)	
---	1		Clip	400WSS4	(3D)
(79-22-49)				(13-168)	
---	1		Nut	AS20624	(3D)
(79-22-49)				(13-172)	

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400WSS4 (79-22-49)	1	Clip	---	(2D)
AS21408 (71-71-48)	1	Bolt	AS21409 (01-133)	(3D)
400WSS16 (71-71-48)	1	Clip	---	(B)
SP154D (71-71-48)	1	Washer	---	(2D)
AS20624 (71-71-48)	1	Nut	---	(2D)
			(01-139)	

C. Instruction/Disposition Code Statements:

- (A) Kit is available.
- (B) New part supplied as a detail of the kit.
- (2D) Not a new part. Part Catalog Sequence number (CSN) revised.
- (3D) Part not deleted. Part transferred to new (CSN).

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