POWER PLANT - NACELLE - POWERPLANT - FAN COWL DOOR (LH); HOLD OPEN ROD STOWAGE BRACKET - TO RE-POSITION - CATEGORY CODE 4 - MOD.NAC-71-0096

1. Planning Information

A. Effectivity

(1) Airplane: Airbus A320

(2) Nacelle: V2500-A1 Nacelle

(a) Fan Cowl Door Serial Numbers

The intent of this Service Bulletin was incorporated at the manufacturer on Fan Cowl Door Serial Numbers 122 and on.

The following Fan Cowl Door Serial Numbers were not changed at the manufacturer. They can be modified by incorporating this Service Bulletin

Fan Cowl Door
Serial No.

1 thru 121

B. Reason

(1) Condition

When stowed, the aft hold-open rod on the LH fan cowl door may interface with the EEC Electrical Harness.

(2) Background

This condition has been reported on several occasions.

(3) Objective

To provide satisfactory clearance between the hold-open rod and the harness.

(4) Substantiation

Trial installation on the V2500 mock-up at Shorts shows that this modification gives satisfactory 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

None.

C. Description

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

The stowing bracket for the aft hold-open rod on the LH fan cowl door is removed. It is moved over (horizontally) one hole pitch so that the bracket picks up on one of its existing holes (see Figure 1). Two new bolt holes are drilled in the fan cowl door and the stowing bracket then bolted in its new position. The two vacated bolt holes are sealed with a filler and the paint finish then restored.

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 the Nacelle or Nacelle Component to a maintenance base capable of compliance with the Accomplishment Instructions regardless of the planned maintenance action for the Nacelle or Nacelle Component.

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	0.5 M/Hrs
(c)	To return nacelle to service	0.2 M/Hrs
	Total	0.9 M/Hrs

G. Material - Cost and Availability

A modification kit is not required. Refer to Section 3, 'MATERIAL INFORMATION' for parts to accomplish this Service Bulletin.

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.

89VN133A

(2) Other References

A320/V2500-A1/A320/A321/V2500-A5 Engine Manual (E-V2500-1IA) 71-13-00
A320/A321 Aircraft Maintenance Manual 71-13-00
IAE V2500 Standard Practices/Processes Manual (SPP-V2500-1IA) 70-09-00
Overhaul Processes and Consumable
Index (PCI-V2500-1IA)

L. Other Publications Affected

A320/V2500-A1 Engine Illustrated Parts Catalogue (S-V2500-1IA) 71-13-00
A320/V2500-A1 Powerplant Illustrated Parts Catalogue (PIP-V2500-1IA) 71-13-00

M. Family Tree

Refer to page 12.

2. Accomplishment Instructions

A. Pre-requisite Instructions

(1) Open the left the fan cowl door as specified in the A320/A3 Aircraft Maintenance Manual, Task 71-13-00-010-010.

B. Rework or Modification Instructions

(1) Remove three NAS8703U17 bolts, three MS20500 locknuts and three AN960-C10 washers to release the RI.361-4-B stowing bracket. Remove the stowing bracket from the door (Refer to Figure 1).

(2) Remove any sealant from the mating faces of the RI.361-4-B stowing bracket and the fan cowl door.

(3) Install the RI.361-4-B stowing bracket back to the fan cowl door (temporarily) in its new position. Refer to Figure 2.

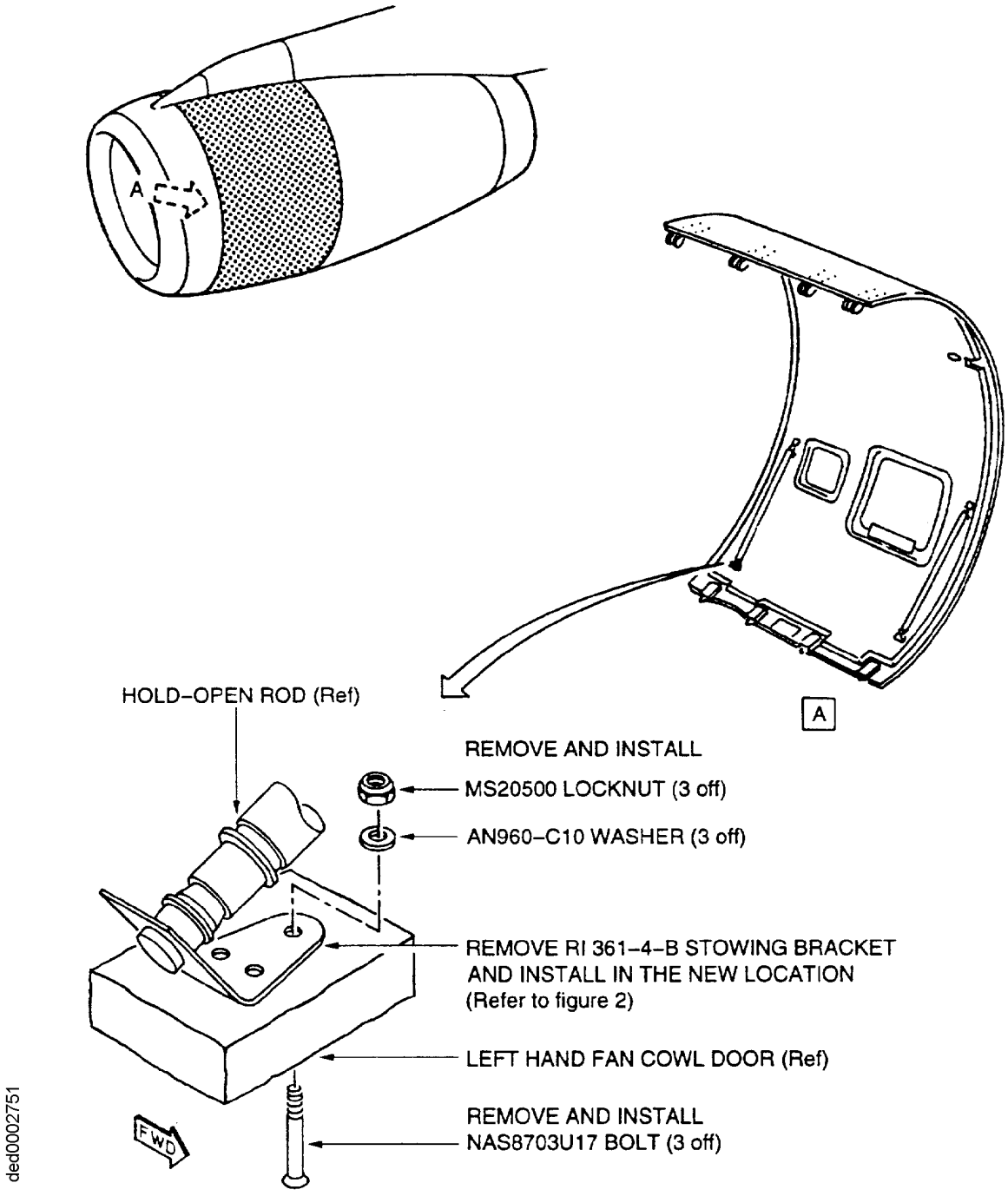
WARNING: DO NOT BREATHE THE DUST PARTICLES GIVEN OFF WHEN YOU DRILL OR COUNTERSINK THE FAN COWL DOORS. MAKE SURE THE DOOR IS IN AN AREA OPEN TO THE AIR. USE SUITABLE DUST EXTRACTION EQUIPMENT.

(4) Drill two holes, .190/.193in (4.83/4.90mm) diameter through the fan cowl door, from the stowing bracket and remove all burrs.

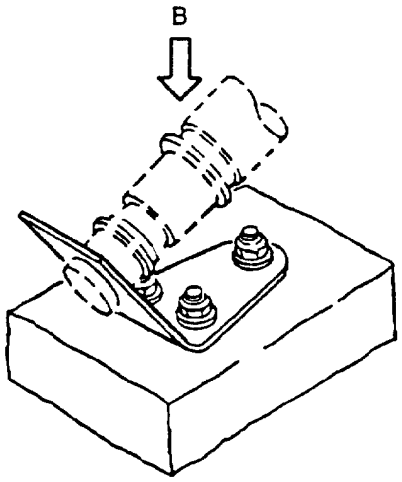
(5) Countersink the external surface of the fan cowl door (for the installation of two NAS8703U17 bolts) 100 deg by .049in deep.

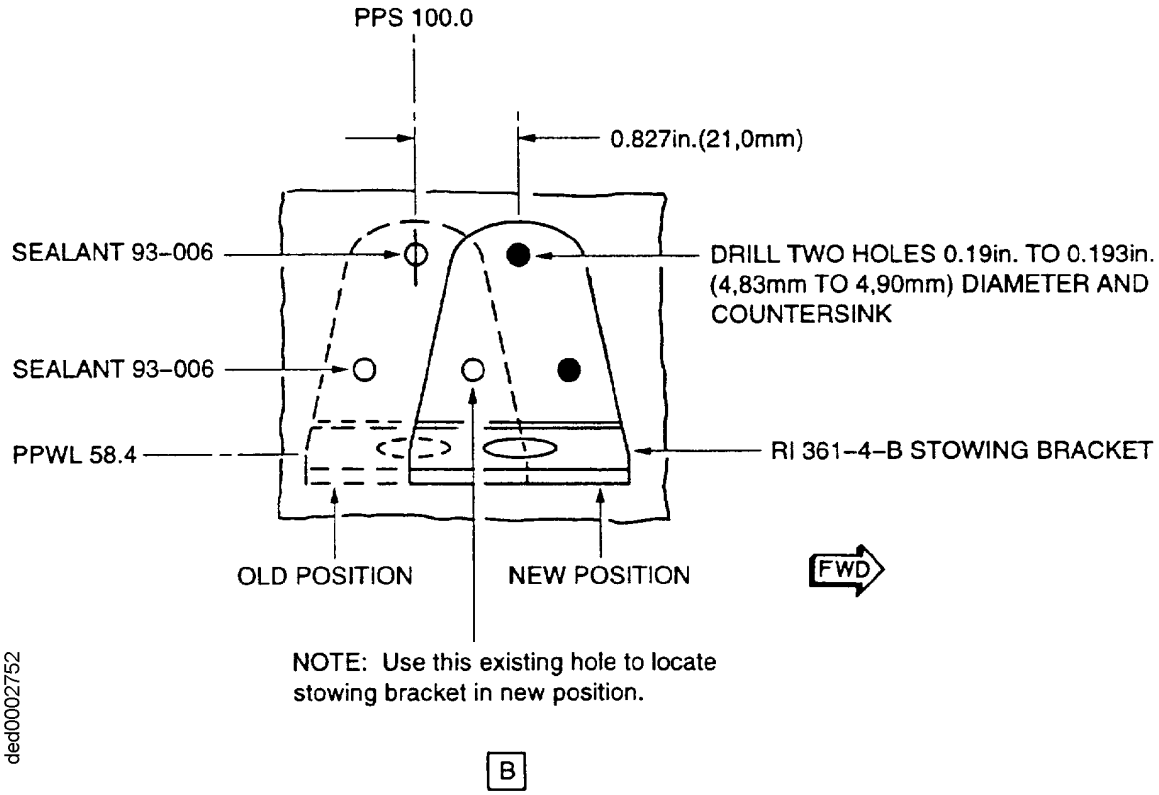
WARNING: EPOXY VARNISH (CoMat 07-085) IS A DANGEROUS MATERIAL WHICH MAY CAUSE INJURY OR ILLNESS IF NOT CORRECTLY USED. THIS MATERIAL SHOULD BE USED ONLY ACCORDING TO THE MANUFACTURERS SPECIFIED SAFETY AND HEALTH INSTRUCTIONS. BEFORE USING THIS MATERIAL, CAREFULLY READ THE APPLICABLE "MATERIAL SAFETY DATA SHEETS" AND FOLLOW ALL LISTED SAFETY AND HEALTH PRECAUTIONS.

(6) Mix the epoxy varnish (CoMat 07-085) as specified in the manufacturers instructions. Apply the mix to the cut edges of the drilled holes and countersinks.



REMOVAL AND INSTALLATION OF THE STOWING BRACKET
Fig.1





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B

NEW LOCATION OF THE LEFT FAN COWL DOOR HOLD-OPEN ROD
Fig.2

(7) Apply PL32M jointing compound to the mating face of the RI.361-4-B stowing bracket and install it in its new position.

(8) Wet install with PL32M jointing compound: three NAS8703U17 bolts, three MS20500 locknuts and three AN960-C10 washers. Torque the nuts to 40 lbf in (4.52 Nm).

WARNING: USE SEALANT (CoMat 08-033) IN WELL VENTILATED AREAS. WORK PERFORMED IN CONFINED AREAS REQUIRES THE USE OF ADDITIONAL FORCED MECHANICAL VENTILATION. AVOID PROLONGED OR REPEATED CONTACT WITH SKIN. MAY CAUSE IRRITATION OF THE EYES AND SKIN. PRIOR TO USE OF THIS PRODUCT, CAREFULLY READ THE APPLICABLE "MATERIAL SAFETY DATA SHEET" AND FOLLOW ALL LISTED SAFETY AND HEALTH PRECAUTIONS.

(9) Put sealant (CoMat 08-033) in the two remaining holes and make it level with the internal and external surfaces of the fan cowl door. Follow the manufacturers instructions for application.

(10) Paint the fan cowl door as necessary. Refer to the A320/V2500-A1/A320/A321/V2500-A5 Engine Manual (E-V2500-1IA), chapter 71-11-11.

C. Post-requisite Instructions

(1) Close the left fan cowl door as specified in the A320/A321 Aircraft Maintenance Manual, Task 71-13-00-400-010.

(2) Identify the fan cowl door to 740-4001-589 from 740-4001-583. Fan cowl configurations prior to 740-4001-583 should be marked with "S/B 71-96 incorp" on the data plate.

D. Recording Instructions

(1) A record of accomplishment is necessary. Write in the Engine log and applicable records, and metal stamp, vibroetch, or electroetch on the fan cowl door data plate that Service Bulletin V2500-NAC-71-0096 has been done. Refer to the IAE V2500 Standard Practices/Processes Manual, Chapter 70-09-00.

3. Material Information

Applicability: For each V2500 Nacelle to incorporate this Bulletin the following is required

A. Kits associated with this Bulletin:

None.

B. Parts affected by this Bulletin:

NEW PART No (ATA No)	QTY	EST'D UNIT PRICE ($)	KEYWORD	OLD PART No (IPC No)	INSTR/ DISPOS
740-4001-589 (71-13-11)	1		Fan Cowl Door LH	740-4001-583 (01-010)	(A)(B)

C. Instructions/Disposition Code Statements:

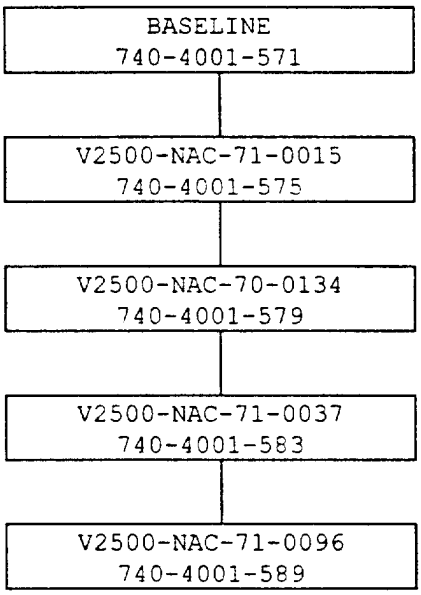
(A) Old and new parts are freely and fully interchangeable both physically and functionally.

(B) Old part can be reworked and re-identified to the new part number.

D. Materials Required to Incorporate This Bulletin:

CoMat	07-085	Epoxy Varnish
CoMat	08-033	Sealant
N/A		PL32M Jointing Compound Vendor Code-K6835

NOTE: To identify the consumable materials, refer to the Overhaul Processes and Consumable Index PCI-V2500-1IA.



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FAMILY TREE - LEFT FAN COWL Ref. Catalog sequence No. 71-13-11, Fig 01, Item 010
Fig.3

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