



POWER PLANT – NACELLE – POWERPLANT – GEARBOX BREATHER OUTLET – OVERBOARD GEARBOX VENT –
REPLACEMENT OR INSTALLATION OF. – CATEGORY CODE 4 – MOD.NAC-71-0046

1. Planning Information

A. Effectivity

(1) Airplane; Airbus A320

(a) The intent of this Service Bulletin was incorporated at the manufacturer on V2500 Fan Cowl Doors Serial Nos 80 and on excluding 92, 94 AND 128.

(b) The following Fan Cowl Door Serial Nos were not changed at the manufacturer. They can be modified by incorporating this Service Bulletin using Kit V2571046-551.

Fan Cowl Door
Serial Number

1-72, 74-79,
92, 94, 128

B. Reason

(1) Problem

Airbus Industries have requested changes to the design of the gearbox breather vent to improve oil dispersion.

(2) Background

Not applicable.

(3) Objectives

To prevent staining of the fan cowl door.

(4) Substantiation

Not applicable.

(5) Effect of Bulletin On:

V2500-NAC-71-0046



SERVICE BULLETIN

(a) Removal/Installation	Affected.
(b) Disassembly/Assembly	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 changes introduced by this Service Bulletin are as follows:-

- (a) The gearbox breather vent, together with four Hi-lok bolts and collars, are removed from the right hand fan cowl door. A new gearbox breather vent is installed in its place with four bolts, four nuts and washers. Alternatively; for those nacelles without a gearbox vent; four Hi-lok bolts and collars are removed from the gearbox outlet and a 740-4117-501 gearbox vent installed with four bolts, nuts and washers.

D. Approval

The technical content of this Service Bulletin is covered by an Airbus Industrie Modification No. P3177/21948 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 Service Bulletin:

VENUE

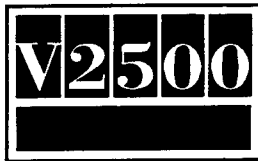
ESTIMATED MANHOURS

(1) In Service.....

(a) To gain access..... 0.1 M/Hrs

(b) To embody..... 0.6 M/Hrs

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(c) To return nacelle to service..... 0.1 M/Hrs

Total..... 0.8 M/Hrs

(/TAB>

G. Material - Cost and Availability

The parts to accomplish this Service Bulletin are available from the manufacturer as Kit No V2571046-551.

Formal Kit prices and delivery schedules will be furnished to Operators upon receipt of their written request. (Prices shown in Paragraph 3, "MATERIAL INFORMATION", are listed for planning purposes only, and are subject to change without notice.) Operators will have one year to place an order from the issue date of this Service Bulletin. After one year, kits will no longer be available and Operators will have to order parts individually at catalog price, if they desire to incorporate this change

Direct request to:

Rohr International Sales Corporation
PO Box 878
Chula Vista, CA 92012-0878 USA

Attn: Manager, Spares Operations - Warranty (Bldg 107A)
(Service Bulletin No V2500-NAC-71-0046)

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.

89VN119/A/B

(2) Other References

V2500-NAC-71-0046



A320 Aircraft Maintenance Manual, Sections 71-13-00-010-010 and 71-13-00-410-010.

L. Other Publications Affected

V2500 Powerplant Illustrated Parts Catalog 71-13-16

V2500 Engine Illustrated Parts Catalog 71-13-16

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2. Accomplishment Instructions

A. Pre-requisite Instructions

- (1) Open the right fan cowl door with instructions in the V2500 Engine Maintenance Manual, Task 71-13-00-010-010.

B. Rework or Modification Instructions

- (1) Remove four HL11VF-6-4 Hi-lok bolts and four HL97V-6 Hi-lok collars to release the 740-4115-501 gearbox vent. (Refer to Illustrations 1 & 2). Discard the vent, bolts and collars.

NOTE: Ignore any reference to 740-4115-501 gearbox vent if this part is not installed on the fan cowl door.

WARNING: 1,1,1 TRICHLOROETHANE VAPORS ARE HARMFUL. USE IN A WELL-VENTILATED AREA. AVOID PROLONGED BREATHING OF VAPOR AND PROLONGED OR REPEATED CONTACT WITH SKIN. OVEREXPOSURE MAY CAUSE HEADACHE, DIZZINESS OR DROWSINESS. VAPOR IS HEAVIER THAN AIR AND MAY REPLACE OXYGEN IN A CONFINED AREA. SMOKING AND ARC WELDING SHOULD BE AVOIDED WHEN USING THIS SOLVENT; VAPORS OF DECOMPOSITION MAY CAUSE SERIOUS BODILY HARM. PROTECTIVE GLOVES SHOULD BE WORN DURING USE. MAY CAUSE DERMATITIS BY REMOVING SKIN OILS.

- (2) Clean the fan cowl door local to the gearbox outlet with a rag wet with 1,1,1 Trichloroethane. Leave the door to dry.

WARNING: USE SEALANT ONLY IN AREAS WITH GOOD VENTILATION. TAKE PRECAUTIONS TO PREVENT MATERIAL FROM COMING INTO CONTACT WITH SKIN.

- (3) Apply PL32 Hylomar to the base of the 740-4117-501 gearbox vent and install on the 740-4002- fan cowl door with four NAS7203U-3 bolts, four H01-3 nuts and four AN960-CLOL washers. Torque the nuts to 40 lbf in (4.52 Nm).

- (4) Remove any unwanted Hylomar from the fan cowl door.

C. Post-requisite Instructions

- (1) Close the right fan cowl door with instructions in the V2500 Engine Maintenance Manual, Task 71-13-00-410-010.

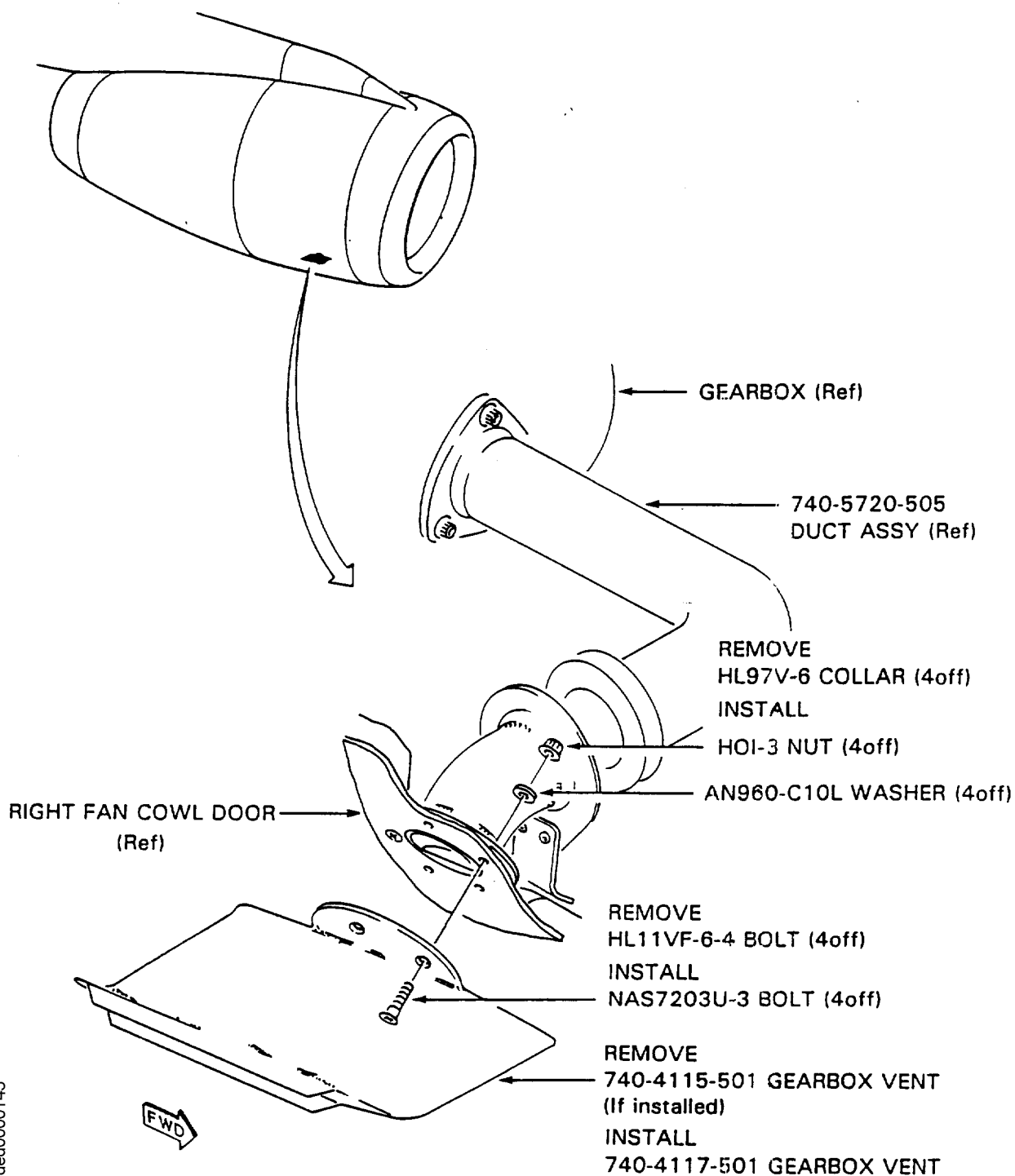
D. Recording Instructions

Write in the engine log and/or other records that Service Bulletin V2500-NAC-71-0046 has been installed.

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REPLACEMENT OF THE GEARBOX VENT
Fig.1

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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 Nacelle to incorporate this Bulletin.

A. Kits associated with this Bulletin

V2571046-551	1		Mod Kit		(A)
consisting of:					
740-4117-501	1		Gearbox Vent		
NAS7203U-3	4		Bolt		
H01-3	4		Nut		
AN960-CLOL	4		Washer		

B. Parts affected by this Bulletin

740-4117-501 (71-13-16)	1		Gearbox Vent	740-4115-501 (01-600)	(S1)(D)
NAS7203U-3 (71-13-16)	4		Bolt	HL11VF-6-4 (01-610)	(S1)(1D)
H01-3 (71-13-16)	4		Nut	HL97V-6 (01-605)	(S1)(1D)
AN960-C10L (71-13-16)	4		Washer	--- (01-608)	(S1)

C. Instruction/Disposition Code Statements

(A) Kit is available.
(S1) New part supplied is interchangeable with old part in sets.
(1D) Discard the old part number.
(D) Discard the old part number if applicable.
(Ref: Section 2)

NOTE: Consult the IAE Price Catalog or contact IAE's Spare Parts Sales Department for information concerning firm prices.

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