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V2500-A1/A5 SERIES NACELLE SERVICE BULLETIN

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This document transmits Revision 1 to Service Bulletin NV2500-71-0277 and Revision 1 to the Supplement

Document History

Service Bulletin Revision Status
Initial Issue Apr.13/05

Supplement Revision Status
Initial Issue Apr.13/05

Bulletin Revision 1

Remove All pages of the Summary	Incorporate Page 1 of the Summary	Reason for change To revise Planning Information, Material Information and Accomplishment Instructions.
All pages of the Service Bulletin	Pages 1 to 8 of the Service Bulletin	To revise Planning Information, Material Information and Accomplishment Instructions.

Supplement Revision 1

Remove All pages	Incorporate Page 1	Reason for change To revise Planning Information, Material Information and Accomplishment Instructions.
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V2500-NAC-71-0277

Transmittal - Page 1 of 2

CHECK THAT ALL PREVIOUS TRANSMITTALS HAVE BEEN INCORPORATED
If any have not been received please advise Publication Services, Rolls-Royce plc, Derby, England
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LIST OF EFFECTIVE PAGES

The effective pages to this Service Bulletin following incorporation of Revision 1 to the Bulletin and Revision 1 to the Supplement are as follows:

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Bulletin		
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Supplement		
R 1	1	Jan.3/06

Printed in Great Britain

NACELLE – POWERPLANT – NOSECOWL – REPLACEMENT OF THE HOIST POINT BLANKING PLUGS

SUMMARY

1. PLANNING

A. EFFECTIVITY

R V2500–A1 Nosecowls prior to cumulative Serial No.329

R V2500–A5 Nosecowls prior to Serial No.2040001

B. CONCURRENT REQUIREMENTS

None.

C. REASON/PROBLEM

Problem

Several operators have reported the failure of Hoist Point Blanking Plugs in service.

Objective

To introduce new Hoist Point Blanking Plugs which will allow easy removal/installation.

D. DESCRIPTION

The Hoist Point Blanking Plugs are removed and replaced with new improved Hoist Point Blanking Plugs.

E. COMPLIANCE

Category Code 7

Accomplish when the supply of superseded parts has been depleted.

F. MANPOWER

In service – 0.5 M/Hr.

At overhaul – Not applicable.

2. MATERIAL INFORMATION

A. PARTS PRICES

Part prices were not available at the time of Service Bulletin publication.
Contact IAE's Spare Parts Sales Department for firm quotations.

NACELLE – POWERPLANT – NOSECOWL – REPLACEMENT OF THE HOIST POINT BLANKING PLUGS

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1. Planning InformationA. Effectivity

(1) Airbus A319

R (a) V2522-A5, V2524-A5, V2527M-A5 Nosecowls prior to Serial No.2040001.

(2) Airbus A320

R (a) V2500-A1 Nosecowls prior to cumulative Serial No.329.

R (b) V2527-A5, V2527E-A5 Nosecowls prior to Serial No.2040001.

(3) Airbus A321

R (a) V2530-A5, V2533-A5 Nosecowls prior to Serial No.2040001.

B. Concurrent Requirements

None.

C. Reason

(1) Problem

Several operators have reported the failure of Hoist Point Blanking Plugs in service.

(2) Evidence

Operators have observed the problem in service.

(3) Substantiation

All hardware changes have been successfully installed and substantiated on the Rolls-Royce mock-up facility in Derby and have been the subject of satisfactory engineering analysis.

(4) Objectives

To introduce new Hoist Point Blanking Plugs which will allow easy removal/installation.

(5) Effect of Bulletin on:

(a) Operation

Not affected

(b) Maintenance

Affected

(c) Overhaul

Not Affected

(d) Repair Scheme

Not affected

(e) Interchangeability

Not Affected

(f) Fits and Clearances

Not affected

D. Description

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

- (a) The Hoist Point Blanking Plugs are removed and replaced with new improved Hoist Point Blanking Plugs.

E. Compliance

Category 7

Accomplish when supply of superseded parts has been depleted.

F. Approval

The technical content of this Service Bulletin has been approved under the authority of the EASA Design Organisation Approval No EASA.21J.031. The authorising IAE document is EC 03VN766.

G. Manpower

Estimated man-hours to incorporate the intent of this Service Bulletin on each Nacelle:

(1) In Service

0.50 M/Hr

(2) At overhaul

Not Applicable

H. Material Cost and Availability

R Modification kit not required; parts supplied as single line items.

I. Tooling – Cost and Availability

None.

J. Industry Support Information

Not Applicable.

K. Weight and Balance

(1) Weight change

None.

(2) Moment arm

Not affected.

(3) Datum

Nacelle Front Mount Centreline(Powerplant Station PPS 100.00).

L. Electrical Load Data

This Service Bulletin has no effect on the aircraft electrical load.

M. Software Accomplishment Summary

Not applicable.

N. References

(1) Standard Practices/Processes Manual (SPP-V2500-1IA), Chapter/Sections 70-11-00 and 70-11-26.

(2) Overhaul Processes And Consumable Index (IAE PCI-V2500-1IA) Section II.

(3) A320/V2500-A1/A5 Engine Illustrated Parts Catalog, Chapter/Section 71-11-11.



- (4) A320/V2500-A1 A319/A320/A321/V2500-A5 Engine Manual (E-V2500-1IA)
Chapter/Section 71-11-11.
- R (5) V2500 A1/A5 Air Intake Cowl Component Maintenance Manual and Illustrated
Parts List (CMM-AIC-V2500-1IA).
- (6) IAE engineering change EC 03VN766.
- R (7) Bombardier Shorts modification D1141.
- (8) ATA Locator - 71-11-11.

0. Other Publications Affected

None.

P. Interchangeability of Parts

- R Affected - Refer to Section 2 Material Information.

2. Material Information

R A. Kits associated with this Bulletin:

R None.

R B. Parts affected by this Bulletin:

R Applicability: For each V2500-A1 Nosecowl prior to cumulative Serial No.329 to
R incorporate this Bulletin.

R (OR)

R For each V2500-A5 Nosecowl prior to Serial No.2040001 to incorporate this
R Bulletin.

R 71-11-11

FIG ITEM UNIT	NEW PART NO.	QTY	PART TITLE	MAT	OLD PART NO.	INSTR DISP
R 01210	AN565AC 624H16	4	..Plug, Blanking	-	740-3253 -501	(A)(S1)

C. Instructions disposition codes:

R (A) Parts are currently available.

(S1) New parts coded (S1) must replace old parts coded (S1) as a complete set per nacelle.

3. Accomplishment Instructions

A. Rework Instructions

(1) Tools

Ref para 1.I of this Service Bulletin.

(2) Consumable Materials

R	CoMat 01-457	Solvent, Methyl Isobutyl Ketone (MIBK)
	CoMat 02-099	Lint free cloth
	CoMat 08-026	Loctite 222

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

WARNING:

BEFORE YOU USE CHEMICALS, READ, UNDERSTAND, AND OBEY ALL SAFETY INSTRUCTIONS FOR THE CHEMICALS. THESE INSTRUCTIONS INCLUDE INSTRUCTIONS FROM THE MANUFACTURER, THE MATERIAL SAFETY DATA SHEET (MSDS), AND GOVERNMENT REGULATIONS. CHEMICALS MAY CAUSE INJURY TO YOU OR MAKE YOU SICK WHEN SAFETY INSTRUCTIONS ARE NOT OBEYED. AN MSDS GIVES INSTRUCTIONS ON HOW YOU MUST SAFELY USE, KEEP, AND DISCARD CHEMICALS. GET INSTRUCTIONS FROM YOUR EMPLOYER ON HOW YOU MUST SAFELY USE, KEEP, AND DISCARD CHEMICALS.

WARNING:

DO NOT TOUCH THE ENGINE COMPONENTS FOR A SHORT TIME AFTER THE ENGINE IS SHUT DOWN. THE COMPONENTS STAY HOT AND CAN CAUSE INJURY.

- (3) Replace the 740-3253-501 Blanking Plugs on the Nosecowl using the steps that follow:

PROCEDURE

RELATED DATA

- | | |
|---|---|
| <p>(a) Identify the four old 740-3253-501 Blanking Plugs in their respective locations on the Nosecowl.</p> | <p>The Blanking Plugs are located on the Nosecowl looking Aft in the 2 o'clock and 10 o'clock positions. Refer to Figure 1.</p> |
|---|---|

R

(b) Carefully remove the four 740-3253-501 Blanking Plugs from the Receptacles in the Nosecowl.

(c) Remove the old sealant or other contaminants from the Receptacles in the Nosecowl.

Clean the Receptacles with Methyl Isobutyl Ketone (MIBK) (CoMat 01-457) and a Lint free cloth (CoMat 02-099). Clean the Receptacles as instructed in the Standard Practices/Processes Manual, Task 70-11-00-110-501 and Task 70-11-26-300-503.

NOTE: Make sure the threads of the Receptacles are not damaged.

(d) Apply locking compound to the threads of the new AN565AC624H16 Blanking Plugs before you install them in the Nosecowl.

Use Loctite 222 (CoMat 08-026) for thread locking parts.

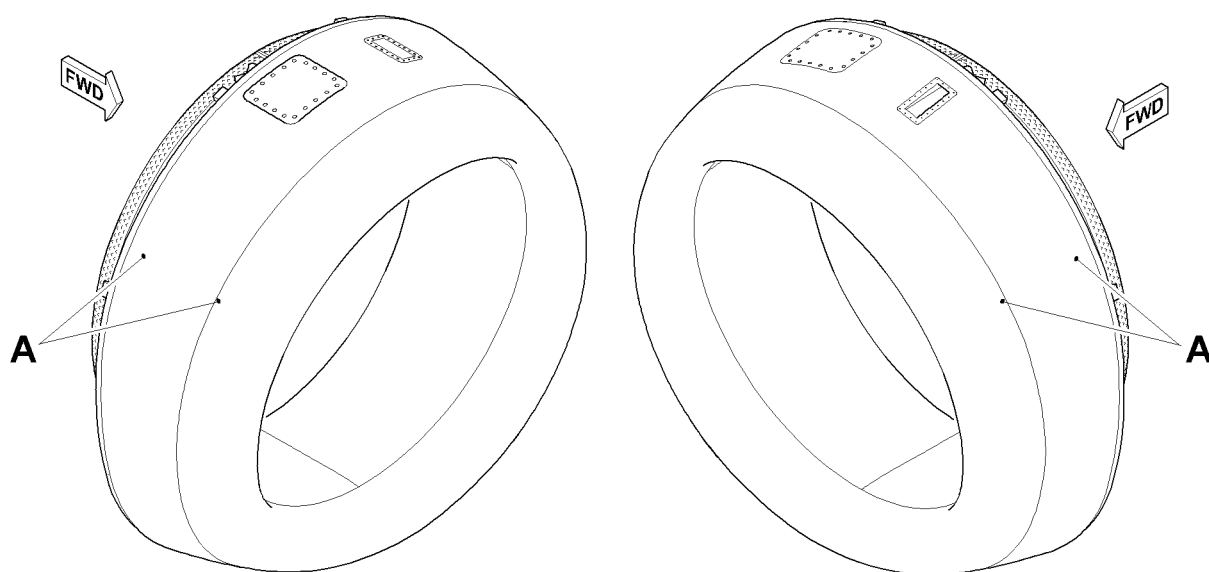
(e) Install four new AN565AC624H16 Blanking Plugs in place of the four old 740-3253-501 Blanking Plugs on the Nosecowl.

(f) Remove any excess Loctite 222 (CoMat 08-026) from the area around the new AN565AC624H16 Blanking Plugs.

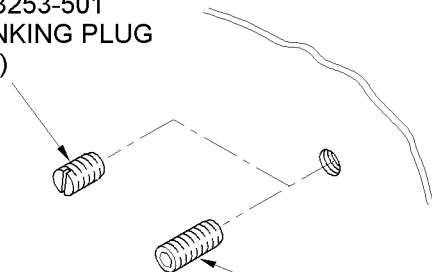
B. Recording Instructions

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(1) A record of accomplishment is necessary. Write in the Aircraft Log Book that Service Bulletin V2500-NAC-71-0277 revision 1 has been incorporated.



REMOVE
740-3253-501
BLANKING PLUG
(4 off)



INSTALL
AN565AC624H16
BLANKING PLUG
(4 off)

A

Removal of the Nosecowl – Hoist Point Blanking Plugs
Figure 1

NACELLE - POWERPLANT - NOSECOWL - REPLACEMENT OF THE HOIST POINT BLANKING PLUGSSUPPLEMENT - PRICES AND AVAILABILITY

The prices if shown are for estimating purposes only and as such are given in good faith, without commercial liability for advanced planning purposes only. Refer to IAE Spares and/or current price catalogue for current prices.

R 1. Parts required:

Part No.	Desc.	Unit Price
		US Dollars
AN565AC624H16	Plug, Blanking	Not available

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