



International  
Aero Engines

V2500 Propulsion System — Nacelle

# SERVICE BULLETIN

Date: February 6, 1998

Subject: Transmittal of Revision 2 to Service Bulletin Number V2500-NAC-78-0098

## Service Bulletin Revision History:

<u>Event</u>	<u>Date</u>
Basic Issue	Oct 01/95
Revision 1	Jun 03/97
Revision 2	Feb 06/98

## Reasons for Issuance of Revision

(1) To add Aircraft Modification Numbers to Paragraph 1.K.

## Effect on Past Compliance

None

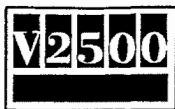
## List of Effective Pages:

<u>Page No.</u>	<u>Rev. No.</u>	<u>Date</u>
1	2	Feb 06/98
2	1	Jun 03/97
3 and 4	Basic	Oct 01/95
5	2	Feb 06/98
6	Basic	Oct 01/95
7	1	Jun 03/97
8	Basic	Oct 01/95

V2500-NAC-78-0098

Transmittal

Page 1 of 1



International  
Aero Engines

V2500 Propulsion System — Nacelle

# SERVICE BULLETIN

NACELLE - EXHAUST - BLANK CASCADES, THRUST REVERSER -  
REPLACEMENT OF

MODEL APPLICATION

V2500-A1/A5

BULLETIN INDEX LOCATOR

78-32-00

Compliance Category Code

6

Internal Reference No.

LL/AC 93VN088

October 1, 1995

R Revision 2 - February 6, 1998

V2500-NAC-78-0098

Page 1 of 8



International  
Aero Engines

V2500 Propulsion System — Nacelle

# SERVICE BULLETIN

Draft 1  
5/29/97

## 1. Planning Information

### A. Effectivity

#### (1) Aircraft:

(a) Airbus A320

(b) Airbus A321

(2) Nacelle: V2500-A1/A5 thrust reversers cum units (c/u) 006 thru 326 and serial numbers (s/n) 0327001 thru 0556001.

### B. Reason

#### (1) Condition

Thrust reverser blank cascades may exhibit cracking in service.

#### (2) Background

Cracks may be produced by accumulative sonic and structural fatigue.

#### (3) Objective

To strengthen fairing and increase number of support brackets on blank cascades for additional stiffness.

#### (4) Substantiation

Dynamic fatigue and structural analysis of improved blank cascades proved successful.

October 1, 1995  
Revision 1 - June 3, 1997

V2500-NAC-78-0098

Page 2



**International  
Aero Engines**

V2500 Propulsion System — Nacelle

# SERVICE BULLETIN

(5) Impact of Bulletin on Workshop Procedures:

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

(6) Supplemental Information

None.

C. Description

The change introduced by this Bulletin is to replace existing blank cascades with modified blank cascades.

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 engine model(s) listed.

E. Compliance

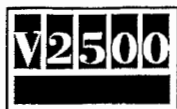
Category 6

Accomplish when the Nacelle subassembly ( i. e., accessories, components) is disassembled sufficiently to afford access to the affected part and to all affected spare parts.

October 1, 1995

V2500-NAC-78-0098

Page 3



**International  
Aero Engines**

V2500 Propulsion System — Nacelle

# SERVICE BULLETIN

## F. Manpower

Estimated manhours to incorporate the intent of this Bulletin per thrust reverser:

<u>VENUE</u>	<u>ESTIMATED MANHOURS</u>
(1) In Service	Not Applicable
(2) In shop	
(a) To rework	<u>1.00 M/Hrs.</u>
Total	1.00 M/Hrs.

## G. Material Cost and Availability

The parts to accomplish this Service Bulletin are available from the manufacturer as Kit No. V2578098-551.

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.)

Direct Purchase order to:

Rohr Inc.

P.O. Box 878

Chula Vista, CA 91912

U.S.A.

Attn: Manager, Spares Operations -Bldg. 107A  
(Ref. Service Bulletin No V2500-NAC-78-0098)

## H. Tooling Cost and Availability

Not applicable.

October 1, 1995

V2500-NAC-78-0098

Page 4



# SERVICE BULLETIN

## I. Weight and Balance

- (1) Weight Change . . . . . No effect
- (2) Moment Arm. . . . . No effect
- (3) Datum . . . . . Engine Front Mount Centerline  
. . . . . Power Plant Station (PPS) 103.440

## J. Electrical Load Data

Not affected.

## K. References

### Chapter/Section

A320/V2500-A1 and A320/A321/V2500-A5	78-32-02
Engine Manual	78-32-03

R Aircraft Modification No. 21948

R Aircraft Modification No. 24259

## L. Other Publications Affected

A320/V2500-A1 and A320/A321/V2500-A5	78-32-19
Engine Illustrated Parts Catalog	

A320/V2500-A1 and A320/A321/V2500-A5	78-32-19
Powerplant Illustrated Parts Catalog	



**International  
Aero Engines**

V2500 Propulsion System — Nacelle

# SERVICE BULLETIN

## 2. Accomplishment Instructions

### A. Prerequisite Instructions

Not applicable.

### B. Rework or Modification Instructions

- (1) Find and remove the 740-0411-504 blank cascade on the left thrust reverser half for No. 2 engine position. Refer to the A320/V2500-A1 and A320/A321/V2500-A5 Engine Manual, Chapter 78-32-02. Discard blank cascade.
- (2) Install the 740-0411-506 blank cascade on the left thrust reverser half for No. 2 engine position. Refer to the A320/V2500-A1 and A320/A321/V2500-A5 Engine Manual, Chapter 78-32-02.
- (3) Find and remove the 740-0411-503 blank cascade on the right thrust reverser half for No. 1 engine position. Refer to the A320/V2500-A1 and A320/A321/V2500-A5 Engine Manual, Chapter 78-32-03. Discard blank cascade.
- (4) Install the 740-0411-505 blank cascade on the right thrust reverser half for No. 1 engine position. Refer to the A320/V2500-A1 and A320/A321/V2500-A5 Engine Manual, Chapter 78-32-03.

### C. Postrequisite Instructions

Not applicable.

### D. Recording Instructions

A record of accomplishment is necessary. Note in aircraft log and on thrust reverser data plate that Service Bulletin V2500-NAC-78-0098 has been done.

October 1, 1995

V2500-NAC-78-0098

Page 6



International  
Aero Engines

V2500 Propulsion System — Nacelle

# SERVICE BULLETIN

## 3. Material Information

Applicability: For a V2500-A1/A5 No. 1 engine position and No. 2 engine position Thrust Reverser 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
R V2578098-551	1	\$17948.00	Kit		(A)
Consisting of:					
740-0411-505	1		Cascade		
740-0411-506	1		Cascade		

### B. Parts affected by this Bulletin:

NEW PART NO. (ATA NO)	QTY	EST'D UNIT PRICE (\$)	KEYWORD	OLD PART NO. (IPC NO.)	INSTR/ DISPOS
R 740-0411-505 (78-32-19)	1	\$8974.00	Cascade	740-0411-503 (03-340)	(B)(1D) (S1)
R 740-0411-506 (78-32-19)	1	\$8974.00	Cascade	740-0411-504 (02-340)	(B)(1D) (S1)

### C. Instruction/Disposition Code Statements

(A) Kit availability and formal price will be furnished upon receipt of written request.

(B) Part supplied as a detail of kit.

(1D) Discard old part.

(S1) Old part number may be used as a replacement only where old part was installed. New part number is acceptable replacement for the old or new part number.

October 1, 1995  
Revision 1 - June 3, 1997

V2500-NAC-78-0098

Page 7





**International  
Aero Engines**

V2500 Propulsion System — Nacelle

# **SERVICE BULLETIN**

NOTE: The estimated 1995 unit prices shown are provided for planning purposes only and do not constitute a firm quotation. Consult the Rohr price catalog or contact Rohr Customer Support for information concerning firm prices.

- D. The following material is to be procured by the Operator or obtained from their stock.

None.

October 1, 1995

**V2500-NAC-78-0098**

Page 8