



International
Aero Engines

V2500 Propulsion System — Nacelle

SERVICE BULLETIN

Date: October 30, 1997

Subject: Transmittal of Revision 2 to Service Bulletin Number V2500-NAC-36-0002

Service Bulletin Revision History:

<u>Event</u>	<u>Date</u>
Basic Issue	Jun. 16/97
Revision 1	Oct. 08/97

Reasons for Issuance of Revision

(1) To revise the Effectivity statement on Page 2 of the bulletin.

Effect on Past Compliance

(1) None.

List of Effective Pages:

<u>Page No.</u>	<u>Rev. No.</u>	<u>Date</u>
1 and 2	2	Oct. 30/97
3 thru 7	Basic	Jun. 16/97
8	1	Oct. 08/97

V2500-NAC-36-0002

Transmittal
Page 1 of 1



International
Aero Engines

V2500 Propulsion System — Nacelle

SERVICE BULLETIN

NACELLE — PNEUMATIC — SUPPORT BRACKETS, SENSE LINES,
ENVIRONMENTAL CONTROL SYSTEM - REPLACEMENT OF

MODEL APPLICATION

V2500-D5

BULLETIN INDEX LOCATOR

36-00-00

Compliance Category Code

6

Internal Reference No.

JG/LL 96VN312

June 16, 1997

Revision 2 - October 30, 1997

V2500-NAC-36-0002

Page 1 of 8



International
Aero Engines

V2500 Propulsion System — Nacelle

SERVICE BULLETIN

1. Planning Information

A. Effectivity

(1) Airplane: MD90

(2) Nacelle: V2500-D5

(a) V2500-D5 Engine Buildup Units (EBU) serial numbers
0022001 through 0281001.

B. Concurrency Requirements

It is necessary to perform IAE Service Bulletin
V2500-ENG-72-0281 at the same time as this Service Bulletin.

C. Reason

(1) Condition

Environmental control system (ECS) sense lines can interfere with the ECS system crossover duct.

(2) Background

Interference between the ECS sense lines and the crossover duct has been found on several installations.

(3) Objective

To eliminate the possibility of interference between the ECS sense lines and the crossover duct.

(4) Substantiation

The change introduced by this Service Bulletin has proven to eliminate interference between the ECS sense lines and the crossover duct.

June 16, 1997

Revision 2 - October 30, 1997

V2500-NAC-36-0002

Page 2



International
Aero Engines

V2500 Propulsion System — Nacelle

SERVICE BULLETIN

(5) Impact of the Bulletin on Workshop Procedures:

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

(6) Supplemental Information

None.

D. Description

The change introduced by this Bulletin is as follows:

Replaces the ECS sense line engine support brackets.

E. 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 equipment model(s) listed.

F. 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.

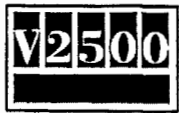
G. Manpower

Estimated manhours to incorporate the intent of this bulletin on one engine buildup unit:

June 16, 1997

V2500-NAC-36-0002

Page 3



International
Aero Engines

V2500 Propulsion System — Nacelle

SERVICE BULLETIN

VENUE

ESTIMATED MANHOURS

(1) In Service	Not Applicable
(2) In Shop	
(a) To rework	<u>0.25 M/Hrs</u>
Total	0.25 M/Hrs

H. Material Cost and Availability

The parts to accomplish this Service Bulletin are available from the supplier as single line items 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 parts (three brackets for each EBU/six brackets for each aircraft). The purchase order must specify this service bulletin number and only the parts listed herein. Operators will have one year from the issue date of the Service Bulletin to place an order. After one year Operators will have to order parts individually at catalog prices if they desire to incorporate the change.

Direct Purchase order to:
Rohr Inc.
850 Lagoon Drive
Chula Vista, CA 91910-2098
U.S.A.

Attn: Airline Support Manager - MZ. 107A
(Ref. Service Bulletin No. V2500-NAC-36-0002)

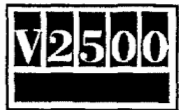
I. Tooling Cost and Availability

None required.

June 16, 1997

V2500-NAC-36-0002

Page 4



International
Aero Engines

V2500 Propulsion System — Nacelle

SERVICE BULLETIN

J. Weight and Balance

- (1) Weight change None
- (2) Moment arm No effect
- (3) Datum..... Engine Front Mount Centerline
..... (Powerplant Station PPS 100.00)

K. Electrical Load Data

Not affected.

L. References

Chapter/Section

IAE V2500 Standard Practices/Processes
Manual

70-09-00

M. Other Publications Affected

MD90/V2500D5 Engine Illustrated Parts
Catalog (S-V2500-3IA)

36-21-49

MD90/V2500D5 Power Plant Buildup
Manual (PPB-V2500-3IA)

71-00-02

MD90/V2500D5 Power Plant Conversion
Manual

71-00-02

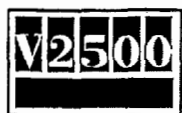
MD90/V2500D5 Engine Manual (E-V2500-3IA)

71-00-00

June 16, 1997

V2500-NAC-36-0002

Page 5



International
Aero Engines

V2500 Propulsion System — Nacelle

SERVICE BULLETIN

2. Accomplishment Instructions

A. Pre-requisite Instructions

None.

B. Rework or Modification Instructions

- (1) Install the 290-5126-503 brackets on the engine brackets with the bolts, washers, and nuts. Torque the nuts to 20-25 lbfin (2-3 Nm). Refer to Figure 1.

C. Post-requisite Instructions

None.

D. Recording Instructions

- (1) A record of accomplishment is necessary. Write in the applicable records and metal stamp, vibroetch, or electroetch on the engine data plate that Service Bulletin V2500-NAC-36-0002 has been done. Refer to the IAE V2500 Standard Practices/Processes Manual, Chapter 70-09-00.

June 16, 1997

V2500-NAC-36-0002

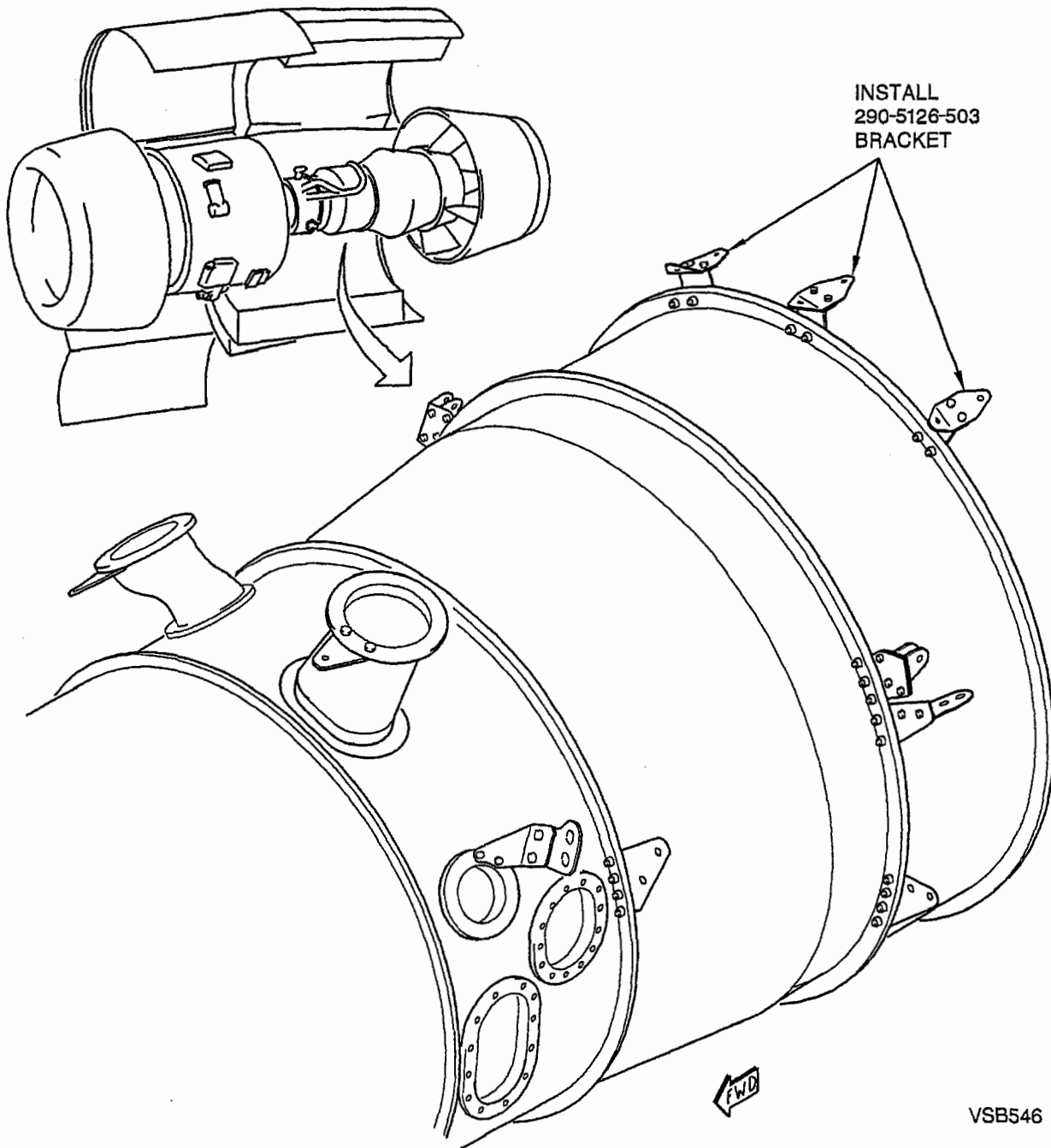
Page 6



International
Aero Engines

V2500 Propulsion System — Nacelle

SERVICE BULLETIN

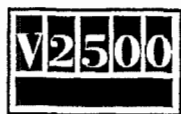


ECS Sense Line Support Bracket Installation
Figure 1

June 16, 1997

V2500-NAC-36-0002

Page 7



International
Aero Engines

V2500 Propulsion System — Nacelle

SERVICE BULLETIN

3. Material Information

Applicability: For each V2500-D5 EBU to incorporate this Bulletin.

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
R	290-5126-503	3		Bracket	290-5126-501	(1R)(S1)
R	(36-21-49)				(11-240)	
R					(12-240)	

C. Instruction/Disposition Code Statements

(A) New part will be available July 1997.

(1D) Discard old part.

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

D. Materials Required to Incorporate this Service Bulletin:

None.

June 16, 1997
Revision 1 - October 8, 1997

V2500-NAC-36-0002

Page 8