



International  
Aero Engines

V2500 Propulsion System — Nacelle

# SERVICE BULLETIN

NACELLE — POWERPLANT — BOLTS, PYLON APRON, — REPLACEMENT OF

MODEL APPLICATION

V2500 - D5

BULLETIN INDEX LOCATOR

71-14-00

Compliance Category Code

4

Internal Reference No.

JG/LL 97VN809

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## 1. Planning Information

### A. Effectivity

- (1) Aircraft: MD90
- (2) Nacelle: V2500-D5 engine build-up (EBU) serial numbers 0022001 thru 0261001.

### B. Reason

#### (1) Condition

Some of the pylon apron bolts may not have sufficient thread engagement.

#### (2) Background

Insufficient thread engagement of some pylon apron bolts was observed at the airframer during installation of the pylon aprons.

#### (3) Objective

Replace specific pylon apron bolts with bolts of a greater length to ensure adequate thread engagement.

#### (4) Substantiation

Not applicable.

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(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

Specific pylon apron fasteners are removed and replaced with fasteners of a greater length.

D. Approval

Incorporation of this Service Bulletin must be accomplished only in conjunction with Douglas Aircraft Company Service Bulletin MD-90-71-005 which has received exclusive FAA approval for MD-90 Series aircraft.

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.

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## F. Manpower

Estimated manhours to incorporate the full intent of this Bulletin for each nacelle:

### VENUE

### ESTIMATED MANHOURS

#### (1) In Service

(a)	To gain access	0.00 M/hour
(b)	To modify	0.25 M/hour
(c)	To return to service	<u>0.00 M/hour</u>

Total                      0.25 M/hour

**NOTE:** After incorporation of this modification, a maximum of 0.5 manhours for labor will be reimbursed by Rohr, as a labor credit allowance per affected aircraft to obtain a labor credit allowance after procurement of noted material. Labor claims should reference this service bulletin number and aircraft fuselage number and be submitted to:

Rohr, Inc.  
850 Lagoon Drive  
Chula Vista, CA 91910-2098  
U.S.A.  
Attn: Airline Support Manager, MZ107A  
Warranty Department  
(Ref. Service Bulletin V2500-NAC-71-0209)

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## G. Material Cost and Availability

The parts to accomplish this Service Bulletin are available from the supplier, 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. 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 this Service Bulletin to place an order. After one year, parts will no longer be available at no charge. After that date, Operators will have to order parts at catalog price, if they desire to incorporate the change.

Direct Purchase Order to:

Rohr, Inc.

P.O. Box 878

Chula Vista, CA 91912-2098

U.S.A.

Attn: Manager, Spares Operations -Warranty, MZ 107A

(Ref. Service Bulletin No. V2500-NAC-71-0209)

## H. Tooling Cost and Availability

Not applicable.

## I. Weight and Balance

(1) Weight change ..... No effect

(2) Moment arm ..... No effect

(3) Datum ..... Front Engine Mount Centerline

..... (Power Plant Station (PPS) 100.00)

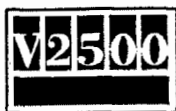
## J. Electrical Load Data

Not affected.

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K. References

Chapter/Section

None

L. Other Publications Affected

Chapter/Section

MD-90 Engine Illustrated Parts Catalog  
(S-V2500-3IA)

71-14-01  
71-14-02

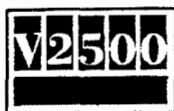
MD-90/V2500-D5 Engine Manual  
(E-V2500-3IA)

71-14-01  
71-14-02

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## 2. Accomplishment Instructions

### A. Pre-requisite Instructions

None

### B. Replace the Pylon Apron Bolts

(1) Remove the NAS8704U2 bolts. Refer to Figures 1 and 2.

(2) Install the NAS8704U4 bolts. Torque the bolts to 63 to 70 lbfin (7.1 to 7.9 Nm). Refer to Figures 1 and 2.

### C. Post-requisite Instructions

None

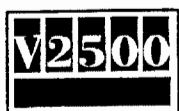
### D. Recording Instructions

A record of accomplishment is necessary. Write in the applicable records that Service Bulletin V2500-NAC-71-0209 has been done.

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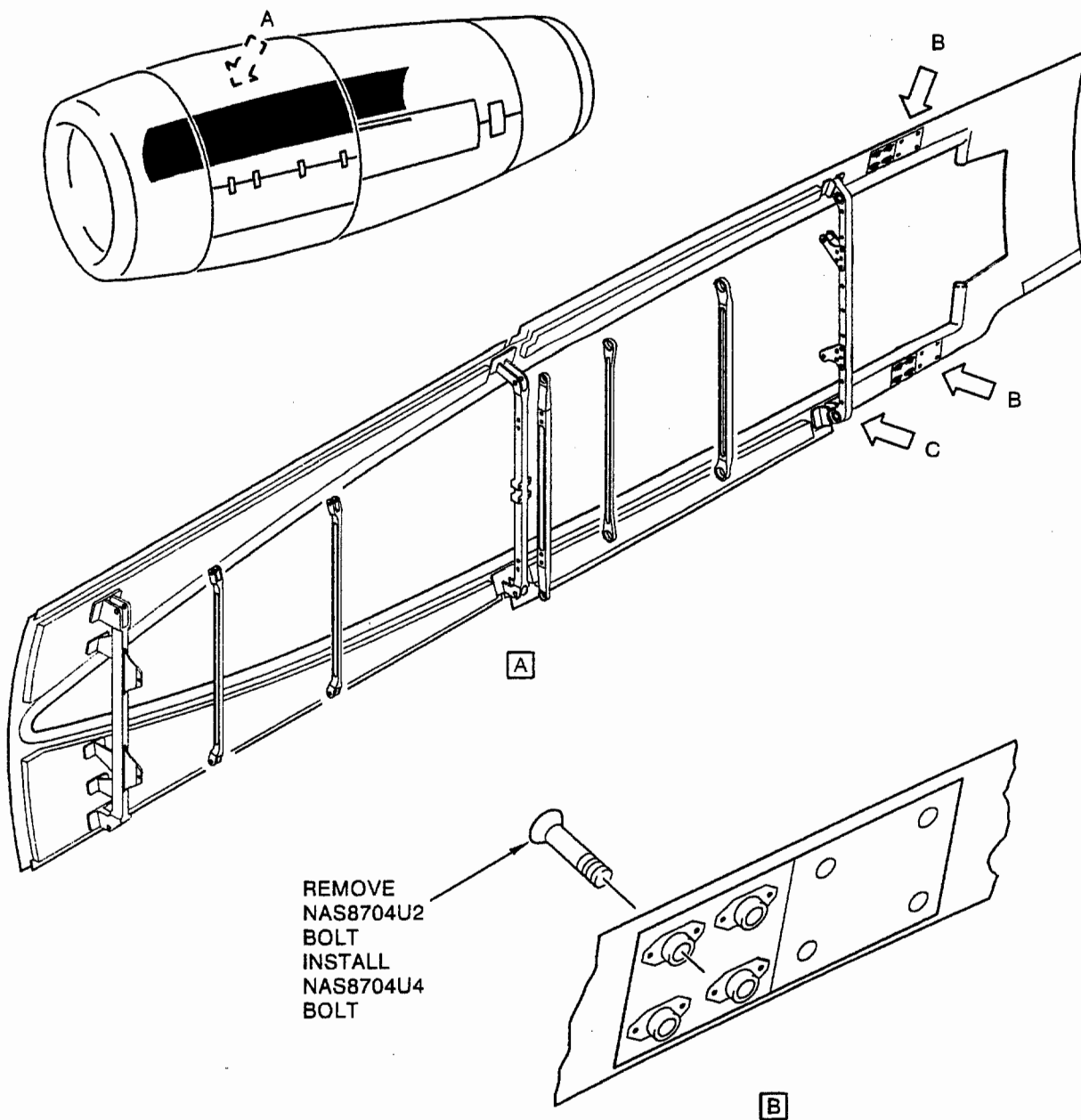
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VSB553

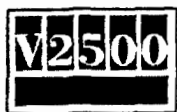
Replace the Pylon Apron Bolts - Left Nacelle  
Figure 1 (sheet 1)

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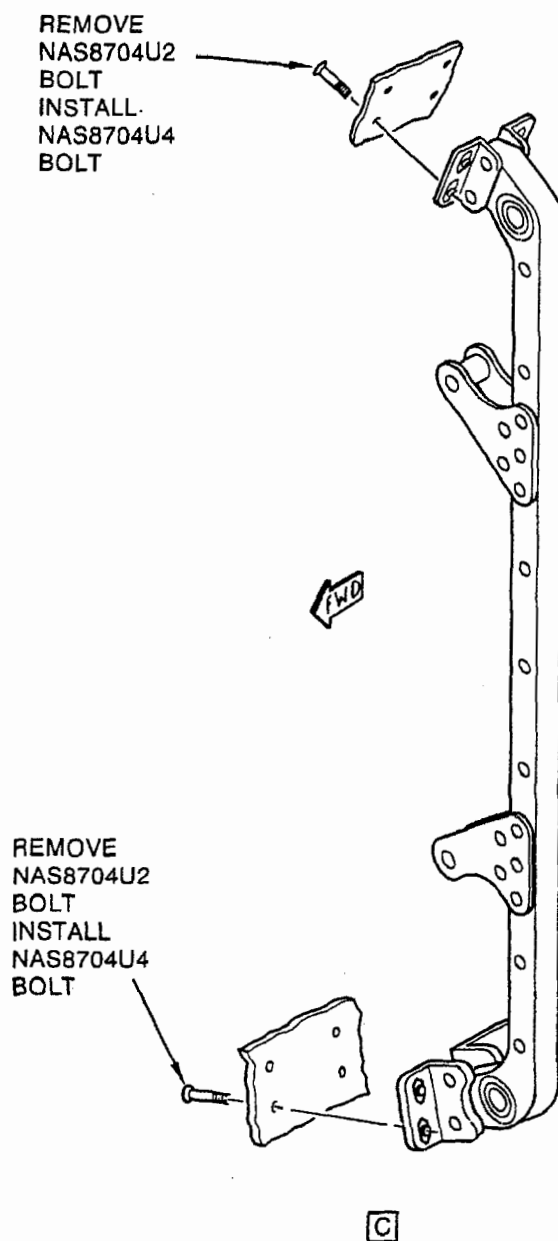




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VS554

Replace the Pylon Apron Bolts - Left Nacelle  
Figure 1 (sheet 2)

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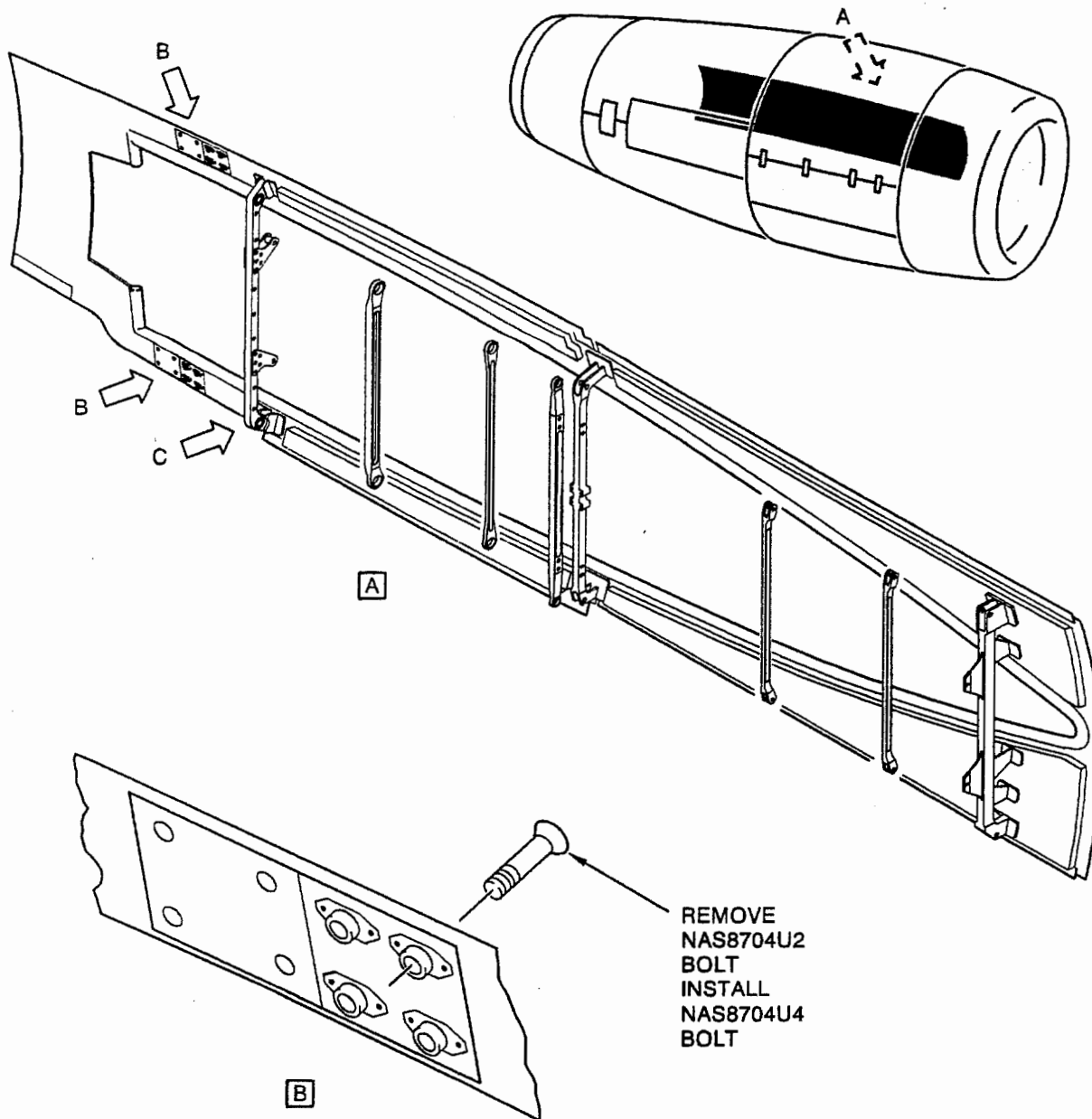
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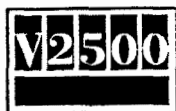
VSB555

Replace the Pylon Apron Bolts - Right Nacelle  
Figure 2 (sheet 1)

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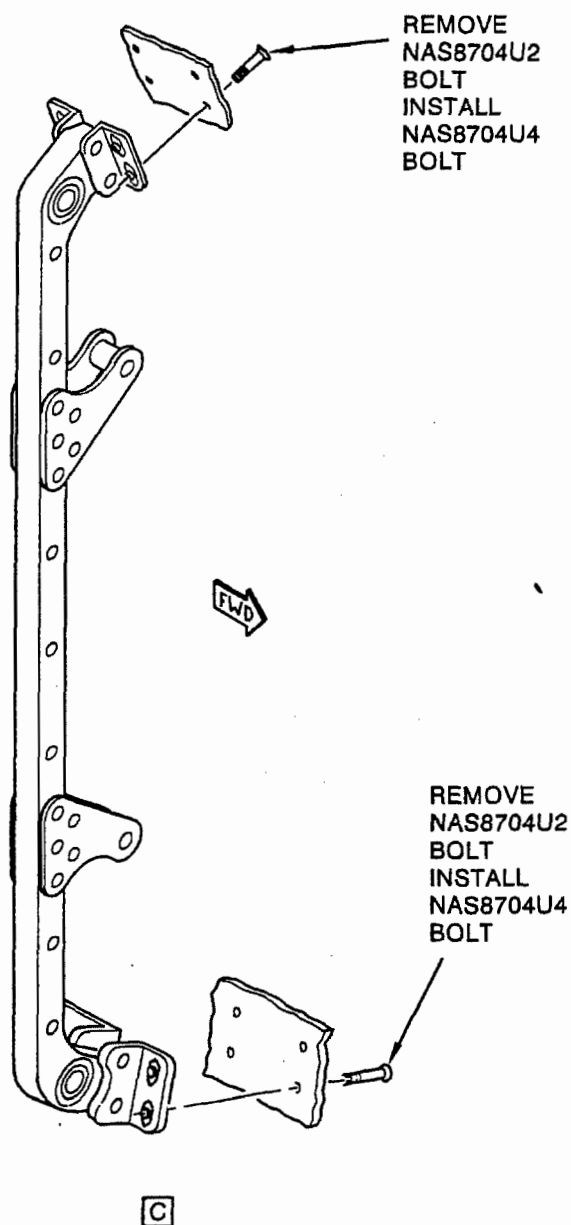
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VSB556

Replace the Pylon Apron Bolts - Right Nacelle  
Figure 2 (sheet 2)

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## 3. Material Information

Applicability: For each MD-90 aircraft to incorporate this Bulletin.

### A. Kits Associated with this Bulletin:

None

### B. Parts Affected by this Bulletin:

<u>NEW PART NO.</u> <u>(ATA NO.)</u>	<u>QTY</u>	<u>EST'D UNIT</u> <u>PRICE</u>	<u>KEYWORD</u>	<u>OLD PART NO.</u> <u>(IPC NO.)</u>	<u>INSTR/</u> <u>DISPOS</u>
NAS8704U4 (71-14-01)	4		Bolt	NAS8704U2 (01-045)	(A)(S1)
NAS8704U4 (71-14-01)	4		Bolt	NAS8704U2 (01-055)	(A)(S1)
NAS8704U4 (71-14-01)	4		Bolt	NAS8704U2 (01-065)	(A)(S1)
NAS8704U4 (71-14-01)	4		Bolt	NAS8704U2 (01-075)	(A)(S1)
NAS8704U4 (71-14-02)	4		Bolt	NAS8704U2 (01-045)	(A)(S1)
NAS8704U4 (71-14-02)	4		Bolt	NAS8704U2 (01-055)	(A)(S1)
NAS8704U4 (71-14-02)	4		Bolt	NAS8704U2 (01-065)	(A)(S1)
NAS8704U4 (71-14-02)	4		Bolt	NAS8704U2 (01-075)	(A)(S1)

### C. Instruction/Disposition Code Statements

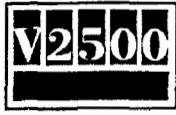
(A) New part is available.

(S1) New part may be used in place of old part but not vice versa.

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# **SERVICE BULLETIN**

NOTE: The estimated 1997 unit prices shown are provided for planning purposes only and do not constitute a firm quotation . Consult the Rohr Price Catalog or contact Rohr's Customer Support Department for information concerning firm prices.

**D. Materials Required to Incorporate this Service Bulletin:**

None

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