

International
Aero Engines

V2500 Propulsion System — Nacelle

SERVICE BULLETIN

NACELLE - EXHAUST - ATTACH HARDWARE, BLOCKER DOOR-TO-LINK ASSEMBLY
REPLACEMENT OF

MODEL APPLICATION

V2500-D5

BULLETIN INDEX LOCATOR

78-32-00

Compliance Category Code

4

Internal Reference No.

JG/LL 96VN822

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1. Planning Information

A. Effectivity

(1) Aircraft:

(a) MD90

(2) Nacelle: V2500 D5 thrust reverser serial numbers 0021001 thru 0220001.

B. Reason

(1) Condition

The thrust reverser blocker door-to-link assembly attach bolts have been found to wear prematurely.

(2) Background

Operators have experienced premature wear of the thrust reverser blocker door-to-link assembly attach bolts.

(3) Objective

Replace the blocker door-to-link assembly attach bolt and spacers to eliminate premature wear.

(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/Check	Not Affected
Repair	Not Affected
Testing	Not Affected

(6) Supplemental Information

None.

C. Description

The thrust reverser blocker door-to-link assembly attach bolt and spacers are removed and new bolts and spacers are installed.

D. Approval

Incorporation of this Service Bulletin must be accomplished only in conjunction with Douglas Aircraft Company Service Bulletin MD90 78-017 which has received exclusive FAA approval for MD-90 Series Aircraft.

E. Compliance maintenance action for the nacelle or nacelle component.

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 per nacelle to incorporate the full intent of this Bulletin:

VENUE

ESTIMATED MANHOURS

(1) In Service	Not Applicable
(2) In Shop	
(a) To Rework	<u>5.0 M/Hrs.</u>
Total	5.0 M/Hrs

NOTE: After incorporation of this modification, a maximum of 10.0 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
Attn: Airline Support Manager, MZ107A
Warranty Department
(Ref. Service Bulletin V2500-NAC-78-0134)

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G. Material - Cost and Availability

The parts to do this Service Bulletin are available from Rohr, Inc. as kit V2578134-551 at no cost to the operator.

Operators with units shown in Paragraph 1. A. should submit a no charge purchase order for the applicable quantity of kits. The purchase order must give this Service Bulletin number with applicable operator serial numbers and list only the parts shown in the reference kit. Operators will have one year from the issue date of the service bulletin to place an order for parts in the applicable quantities. After one year operators will be required to purchase parts at the current catalog price, if they desire to incorporate this change.

Direct purchase order to:

Rohr, Inc.

850 Lagoon Drive

Chula Vista, CA 91910-2098

Attn: Airline Account Manager, MZ 107A

(Ref. Service Bulletin No. V2500-NAC-78-0134)

H. Tooling - Cost and Availability

None required.

I. Weight and Balance

(1) Weight change0.25 lbs. per nacelle

(2) Moment armNone

(3) DatumFront Engine Mount Centerline

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

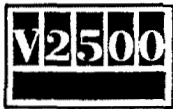
J. Electrical Load Data

Not Applicable.

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K. References

Chapter/Section

Overhaul Processes and Consumable
Index (PCI-V2500-1IA)

IAE V2500 Standard Practices/Processes
Manual (SPP-V2500-1IA)

70-09-00

L. Other Publications Affected

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

78-32-16

MD90/V2500D5 Thrust Reverser Component
Maintenance Manual (CMM-TR-V2500-3IA)

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2. Accomplishment Instructions

A. Pre-requisite Instructions

None.

B. Rework or Modification Instructions

- (1) At 10 locations on each thrust reverser, remove the MS21043-4 nut, two AN960C416 washers, two S700W0131R4H18 washers, NAS6404LU46 bolt, and two 290-0182-501 spacers that attach the blocker door to the link assembly.
- (2) At 10 locations on each thrust reverser, install the two 290-0182-503 spacers, NAS6704U48 bolt, two AN960C416 washers, two S700W0131R4H18 washers, and MS21043-4 nut that attach the blocker door to the link assembly. Torque the nuts to 50 to 70 inch-pounds (5.7 to 7.9 Nm).

C. Recording Instructions

- (1) A record of accomplishment is necessary. Write in the applicable records and metal stamp, vibroetch, or electroetch on the thrust reverser data plate that Service Bulletin V2500-NAC-78-0134 has been done. Refer to the IAE V2500 Standard Practices/Processes Manual, Chapter 70-09-00.

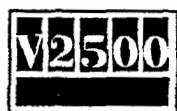
D. Post-requisite Instructions

None.

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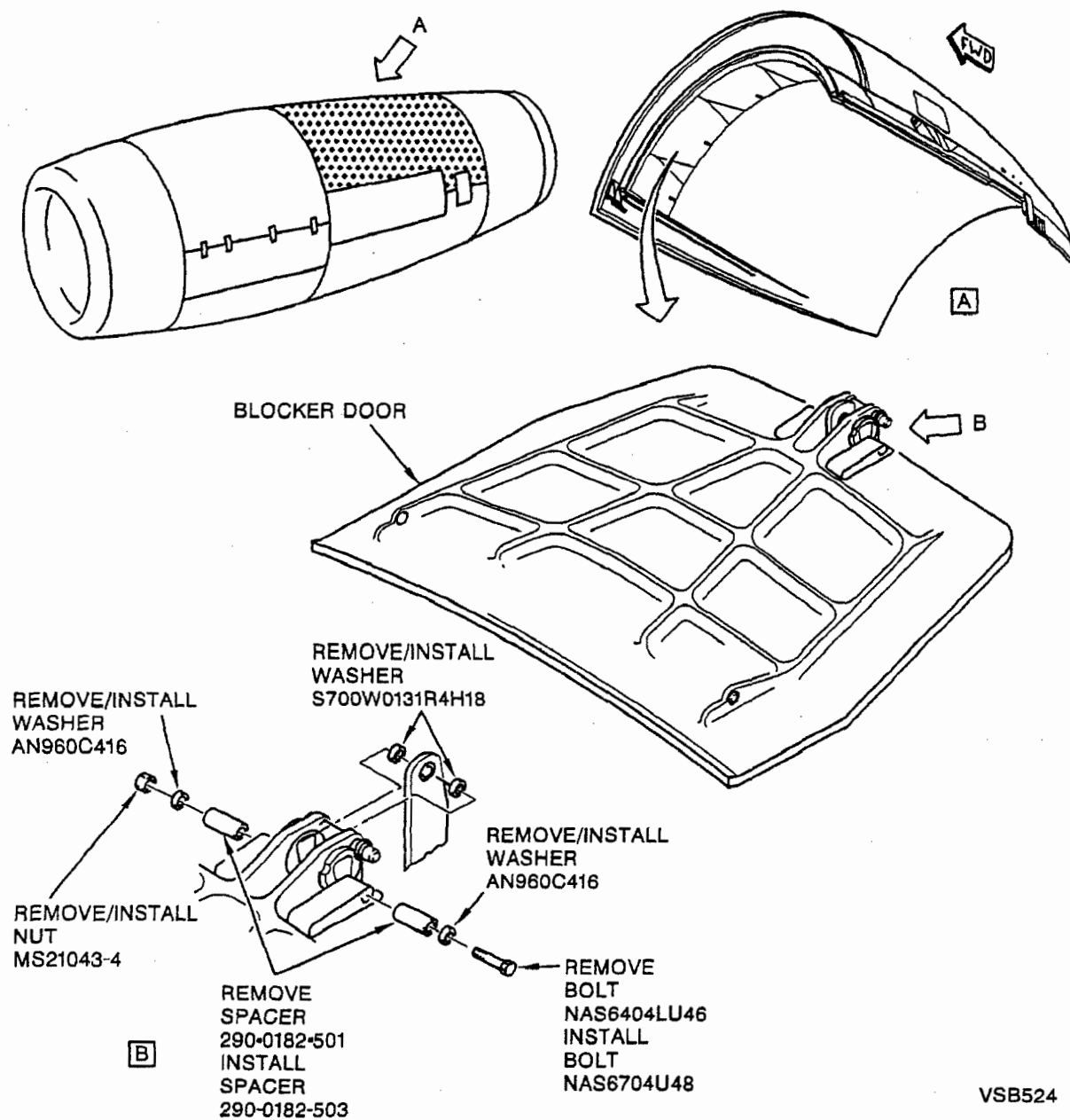
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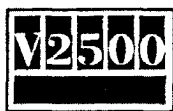


Blocker Door-To-Link Assembly Attach Hardware Replacement
Figure 1

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3. Material Information

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

A. Kits associated with this Bulletin:

<u>NEW PART NO</u> <u>(ATA NO)</u>	<u>QTY</u>	<u>EST'D</u> <u>UNIT</u> <u>PRICE</u>	<u>KEYWORD</u>	<u>OLD PART NO</u> <u>(IPC NO)</u>	<u>INSTR/</u> <u>DISPOS</u>
V2578134-551 Consisting of	2		Kit		(A)
NAS6704U48	5		Bolt		
290-0182-503	10		Spacer		

B. Parts affected by this Bulletin:

<u>NEW PART NO</u> <u>(ATA NO)</u>	<u>QTY</u>	<u>EST'D</u> <u>UNIT</u> <u>PRICE</u>	<u>KEYWORD</u>	<u>OLD PART NO</u> <u>(IPC NO)</u>	<u>INSTR/</u> <u>DISPOS</u>
NAS6704U48 (78-32-05) (78-32-06) (78-32-07) (78-32-08)	5		Bolt	NAS6404LU46 (01-220) (01-220) (01-220) (01-220)	(B)(C) (S1)
290-0182-503 (78-32-05) (78-32-06) (78-32-07) (78-32-08)	10		Spacer	290-0182-501 (01-210) (01-210) (01-210) (01-210)	(B)(C) (S1)

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C. Instructions/Disposition Code Statements:

- (A) Kit will be available April 1997.
- (B) New part will be available April 1997.
- (C) Old part will no longer be available.
- (S1) Parts coded S1 must be replaced in complete sets.

D. Materials Required to Incorporate This Bulletin:

None.

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