



SERVICE BULLETIN

NACELLE - EXHAUST - THRUST REVERSER ATTACH HARDWARE AT NO. 4 HINGE LOCATION -
REPLACEMENT OF - CATEGORY CODE 4 - MOD.NAC-78-0016

NOTE: This Service Bulletin is issued for part number progression history only. It is not intended to be incorporated or kit parts ordered from the manufacturer. The intent of this modification is accomplished by incorporation of Service Bulletins V2500-NAC-78-0063 and V2500-NAC-78-0082

1. Planning Information

A. Effectivity

- (1) Airplane: Airbus A320
- (2) Nacelle: V2500-A1
 - (a) The intent of this Service Bulletin was incorporated at the manufacturer on Thrust Reverser Units Serial Nos. 6, 7, 8, 15, 16, 19, 22 and on.
 - (b) The following Thrust Reversers were not modified at the manufacturer. They can be modified by incorporating this Service Bulletin using Kit V2578016-551

TR
Serial Number
9 thru 14, 17
18, 20 and 21

B. Reason

(1) Condition

The existing No. 4 hinge bolt thread protrusion from the nut is not adequate, and there is a possibility that the hinge hardware may clamp up on the hinge lugs

(2) Background

This potential condition was found in flight test.

(3) Objective

To insure that the No. 4 hinge hardware cannot clamp up on the hinge lugs and to provide the correct bolt thread protrusion from the nut.

(4) Substantiation

This modification was satisfactorily fitted to a production unit.

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(5) Impact of 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

C. Description

The change introduced by this Bulletin is as follows:

Replace the existing hinge hardware with new hardware including a longer bolt which is drilled to accommodate a castellated nut and cotter pin.

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 equipment model(s) listed.

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.

F. Manpower

Estimated Manhours to incorporate the full intent of this Bulletin:

VENUE	ESTIMATED MANHOURS
(1) In Service	
(a) To gain access	Not Applicable
(b) To embody	1.0 M/Hrs
(c) To return Nacelle to service	Not Applicable
Total	1.0 M/Hrs

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G. Material Cost and Availability

The parts to accomplish this Service Bulletin are not available from the manufacturer as Kit V2578016-551. See Kit and part information in Service Bulletins V2500-NAC-78-0063 and V2500-NAC-78-0082.

H. Tooling Cost and Availability

None Required

I. Weight and Balance

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

J. Electrical Load Data

Not Affected

K. References

- (1) Internal Reference No.

88VN145/A/B
- (2) Other References

A320 Aircraft Maintenance Manual 78-32-01
Service Bulletin V2500-NAC-78-0063
Service Bulletin V2500-NAC-78-0082

L. Other Publications Affected

A320 Power Plant Illustrated Parts Catalog	78-32-01
	78-32-02
	78-32-03
	78-32-04
A320 Engine Illustrated Parts Catalog	78-32-01
	78-32-02
	78-32-03
	78-32-04

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2. Accomplishment Instructions

A. Prerequisite Instructions

CAUTION: Thrust reverser halves must be properly closed and latched before starting this procedure. Damage to hinges may occur if the thrust reverser is not closed and latched.

- (1) Remove the left and right thrust reverser hinge access panel as specified in the A320 Aircraft Maintenance Manual, Chapter 78-32-00.
- (2) Find the No. 4 hinge at the aft end of the thrust reverser. (Refer to Figure 1).

B. Rework or Modification Instructions

- (1) Remove bolt, washers, sleeve, and nut from No. 4 hinge. discard all hardware. (Refer to Figure 1).
- (2) Lubricate S700B1191 bolt with CoMat 10-058 penetrating oil.
- (3) Install 740-0225-503 sleeve, AN960C1016 washer, S700B1191 bolt, S700W0131R8L20 washer, and LCN12-820 nut.
- (4) Torque nut to 480 -690 lb-in. (54.2 -78.0 N.m).
- (5) Install MS24665-304 cotter pin in bolt.

C. Post-requisite Instructions

- (1) Install the hinge access panels as specified in A320 Aircraft Maintenance Manual, Chapter 78-32-00.

D. Recording Instructions

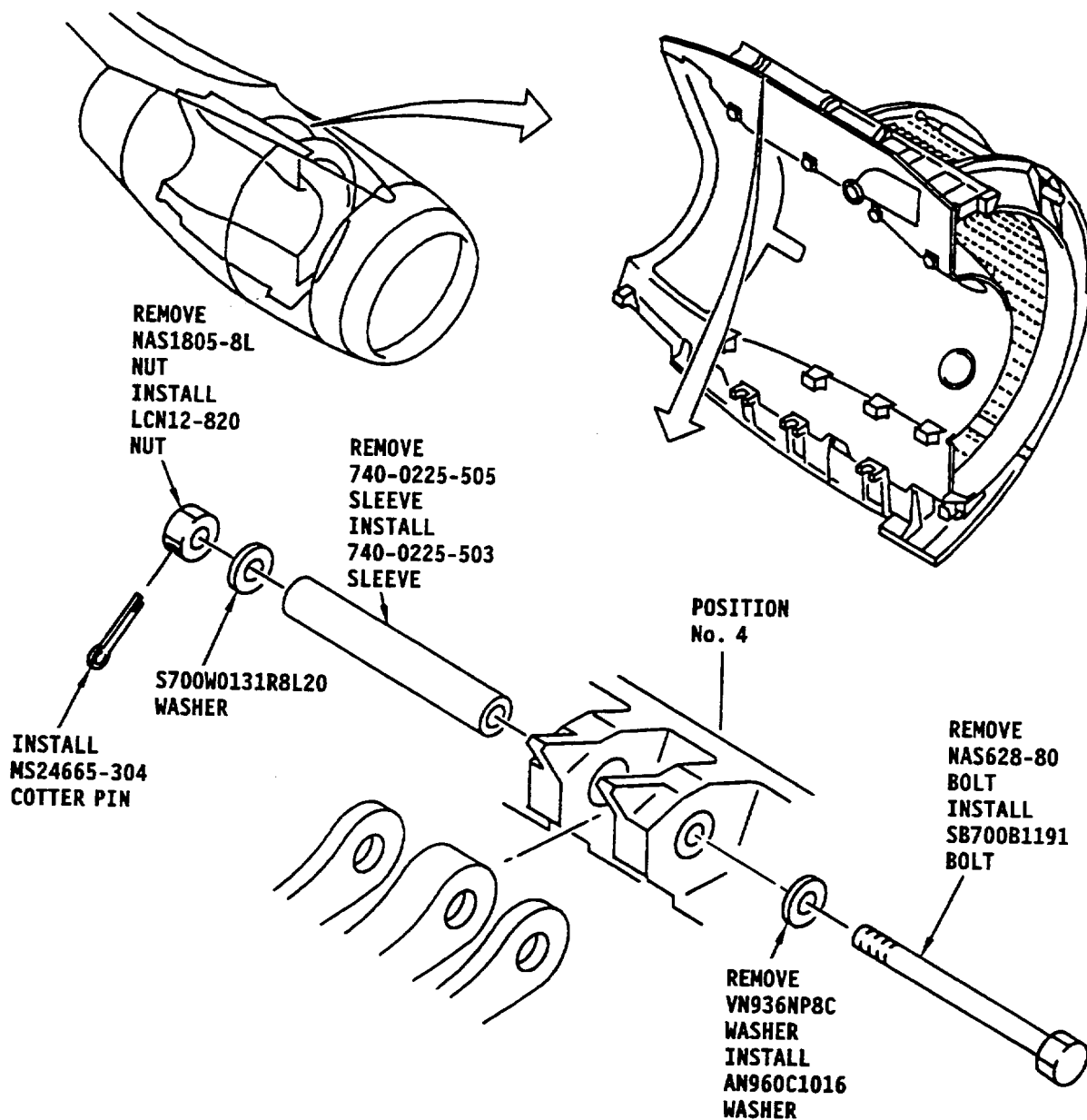
- (1) Write on the thrust reverser data plate that this Service Bulletin has been incorporated. A record of accomplishment is required.

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Repacement of No. 4 Hinge Hardware
Fig.1

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3. Material Information

NEW PART NO. (ATA NO)	QTY	EST'D UNIT PRICE (\$)	KEYWORD	OLD PART NO. (IPC NO.)	INSTR/ DISPOS
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Applicability: For each V2500 Nacelle to incorporate this Bulletin

A. Kits associated with this Bulletin:

V2578016-551	1		Kit		(A)
Consisting of:					
AN960C1016	2		Washer		
LCN12-820	2		Nut		
MS24665-304	2		Pin		
S700B1191	2		Bolt		
S700W0131R8L20	2		Washer		(F)
740-0225-503	2		Sleeve		

B. Parts affected by this Bulletin:

S700B1191	1	Bolt	NAS628-80	(A)(C)
(78-32-01)			(01-070)	(1D)(S1)
(78-32-02)			(01-070)	
(78-32-03)			(01-070)	
(78-32-04)			(01-070)	
LCN12-820	1	Nut	NAS1805-8L	(A)(C)
(78-32-01)			(01-020)	(1D)(S1)
(78-32-02)			(01-020)	
(78-32-03)			(01-020)	
(78-32-04)			(01-020)	
AN960C1016	1	Washer	VN936NP8C	(A)(C)
(78-32-01)			(01-045)	(1D)(S1)
(78-32-02)			(01-045)	
(78-32-03)			(01-045)	
(78-32-04)			(01-045)	
740-0225-503	1	Sleeve	740-0225-505	(A)(C)
(78-32-01)			(01-050)	(1D)(S1)
(78-32-02)			(01-050)	
(78-32-03)			(01-050)	
(78-32-04)			(01-050)	
MS24665-304	1	Pin	--	(A)(C)(S1)
(78-32-01)			(01-012)	
(78-32-02)			(01-012)	
(78-32-03)			(01-012)	
(78-32-04)			(01-012)	

C. Instruction/Disposition Code Statements

(A) Kit is not available.

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- (C) New part is currently available for sale.
- (F) New part supplied to replace old part. Old part is not reuseable.
- (1D) Discard old part.
- (S1) New parts coded S1 must replace old parts coded S1 as a complete set.
- D. These materials are to be procured by the Operator or obtained from his stock.

Part Number	Keyword	Qty	Source	Code
CoMat 10-058	Lubricant	AN	Rocep-Lusol 24 Reidvale St. Glasgow G31 15W Great Britain	K0680

