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V2500-A1/A5 SERIES NACELLE SERVICE BULLETIN

Printed in Great Britain

This document transmits the Initial Issue of Service Bulletin NV2500-78-0210 and the Initial Issue of the Supplement

Bulletin Initial Issue

Remove	Incorporate Pages 1 to 10 of the Service Bulletin	Reason for change Initial issue
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Supplement Initial Issue

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V2500-NAC-78-0210

Transmittal - Page 1 of 2

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LIST OF EFFECTIVE PAGES

The effective pages to this Service Bulletin are as follows:

<u>Page</u>	<u>Revision Number</u>	<u>Revision Date</u>
Bulletin		
1		Mar.19/04
2		Mar.19/04
3		Mar.19/04
4		Mar.19/04
5		Mar.19/04
6		Mar.19/04
7		Mar.19/04
8		Mar.19/04
9		Mar.19/04
10		Mar.19/04
Supplement		
1		Mar.19/04

Printed in Great Britain



NACELLE – EXHAUST – THRUST REVERSER – CASCADE ASSEMBLY – MODIFICATION OF

1. Planning Information

A. Effectivity

(1) Airplane:

- (a) Airbus A319
- (b) Airbus A320
- (c) Airbus A321

(2) Nacelle

- (a) All V2500-A1 and V2500-A5 thrust reversers and cascade assemblies with part numbers 740-0235-541, 740-0235-542, 740-0235-577, 740-0235-578 (with fairings) and 740-0235-575, 740-0235-576 (without fairings)

B. Concurrent Requirements

Service bulletin V2500-NAC-78-0205 should be done before or at the same time as this service bulletin if applicable.

C. Reason

(1) Problem

- (a) A new cascade, without a fairing, is required at thrust reverser positions NBR 1 and NBR 16 because the fairing has been incorporated into the thrust reverser track beam on T/R units with serial numbers 8367001 and higher.
- (b) The new cascade, without a fairing, cannot be used on thrust reversers with serial numbers prior to 8367001.
- (c) The old cascade, with a fairing, cannot be used on thrust reversers with serial numbers 8367001 and higher.

(2) Evidence

Not applicable.

(3) Substantiation

Not applicable.



(4) Objective

The changes in configuration recommended in this Service Bulletin are intended to prevent operators from needing to purchase and stock two configurations of cascade; one with a fairing and one without.

(5) Effect of Bulletin on:

(a) Operation

Not affected

(b) Maintenance

Affected

(c) Overhaul

Not affected

(d) Repair Scheme

Affected

(e) Interchangeability

Affected

(f) Fits and Clearances

Affected

D. Description

This service bulletin provides instructions to remove or install a fairing as required to make the cascade suitable for use on all thrust reversers.

E. Compliance

Category 8

Accomplish as necessary.

F. 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.

**G. Manpower**

Estimated manhours to incorporate the full intent of this Service Bulletin on one thrust reverser.

VENUE	EST'D MAN HOURS
(1) In Service	
(a) To modify	1.5 hours
Total	1.5 hours per nacelle (3.0 hours per aircraft)

NOTE: Man hour estimate is provided for planning purposes only. No labor reimbursement is provided under the terms of this service bulletin offering.

H. Material Price and Availability

The fairings required to accomplish this service bulletin are available from the manufacturer.

See section 2.A for part numbers

Direct Purchase Order to:

Goodrich Aerostructures

850 Lagoon Drive

Chula Vista, CA 91910-2098

U.S.A.

Attn.: Regional Business Manager - MZ 107A

(Ref Service Bulletin No. V2500-NAC-78-0210)

I. Tooling and Availability

Special tools are not required.

J. Industry Support Information

Not applicable.

K. Weight and Balance

(1) Weight Change

None



(2) Moment Arm

No effect

(3) Datum

Engine front mount centreline (Powerplant Station PS 100)

L. Electrical Load Data

Not applicable.

M. Software Accomplishment Summary

Not applicable.

N. References

Publication	Chapter/Section
IAE Standard Practices/Processes Manual (SPP-V2500-1IA)	70-09-00
IAE Engineering Change EC 01VN611A	
ATA Locator	78-30-00

O. Other Publications Affected

Publication	Chapter/Section
Thrust Reverser Component Maintenance Manual (CMM-TR-V2500-1IA)	78-30-00

P. Interchangeability of Parts

Affected.

**2. Material Information****A. Part prices**

NOTE: You will need to order a 740-0235-19 or 740-0235-20 fairing if the cascade to be modified does not have a fairing.

Part No.	Qty	Unit Price
740-0235-19	1	\$ 462.00
740-0235-20	1	\$ 462.00

B. Parts affected by this Service Bulletin:

The following is applicable to one thrust reverser set.

NOTE: The fairings required to accomplish this service bulletin are available from the manufacturer. The rivets are to be provided from operator stock or purchased locally.

NEW PART NO	QTY	PART TITLE	OLD PART NO	INSTR DISP
740-0235-575 Without fairing	1	Cascade Assembly	740-0235-541 With fairing	(A) (1D)
740-0235-576 Without fairing	1	Cascade Assembly	740-0235-542 With fairing	(A) (1D)
740-0235-575 Without fairing	1	Cascade Assembly	740-0235-577 With fairing	(A)
740-0235-576 without fairing	1	Cascade Assembly	740-0235-578 With fairing	(A)
740-0235-577 With fairing	1	Cascade Assembly	740-0235-575 Without fairing	
740-0235-578 With fairing	1	Cascade Assembly	740-0235-576 Without fairing	
740-0235-19	1	Fairing	740-0235-17	(XY)
740-0235-20	1	Fairing	740-0235-18	(XY)

C. Instructions/Disposition Codes:

(A) The new parts are available.

(1D) The old parts will no longer be available as spares.

(XY) 745M0010-1 can be used as alternate to 745-0235-19.

(XY) 745M0010-2 can be used as alternate to 745-0235-20.



D. Tooling – Price and Availability:

No special tools are required.

E. Materials Required to do this Service Bulletin:

None.



3. Accomplishment Instructions

NOTE: This service bulletin has been written with the assumption the cascade assembly, part number 740-0235-541, 740-0235-542, 740-0235-575, 740-0235-576, 740-0235-577 or 740-0235-578 has been removed from the thrust reverser.

- A. Modify the 740-0235-541,-542,-577,-578 fairing for use on thrust reversers with serial numbers S/N 8367 and on.

(1) Remove the rivets and the fairing from the cascade. Keep the fairing. Discard the rivets. Refer to Figure 1.

Plug the rivet holes in the cascade using MS20470T5-6 fasteners.

(2) Re-identify the cascade assembly.

- B. Modify the 740-0235-575,-576 cascade for use on thrust reversers with serial numbers prior to S/N 8367.

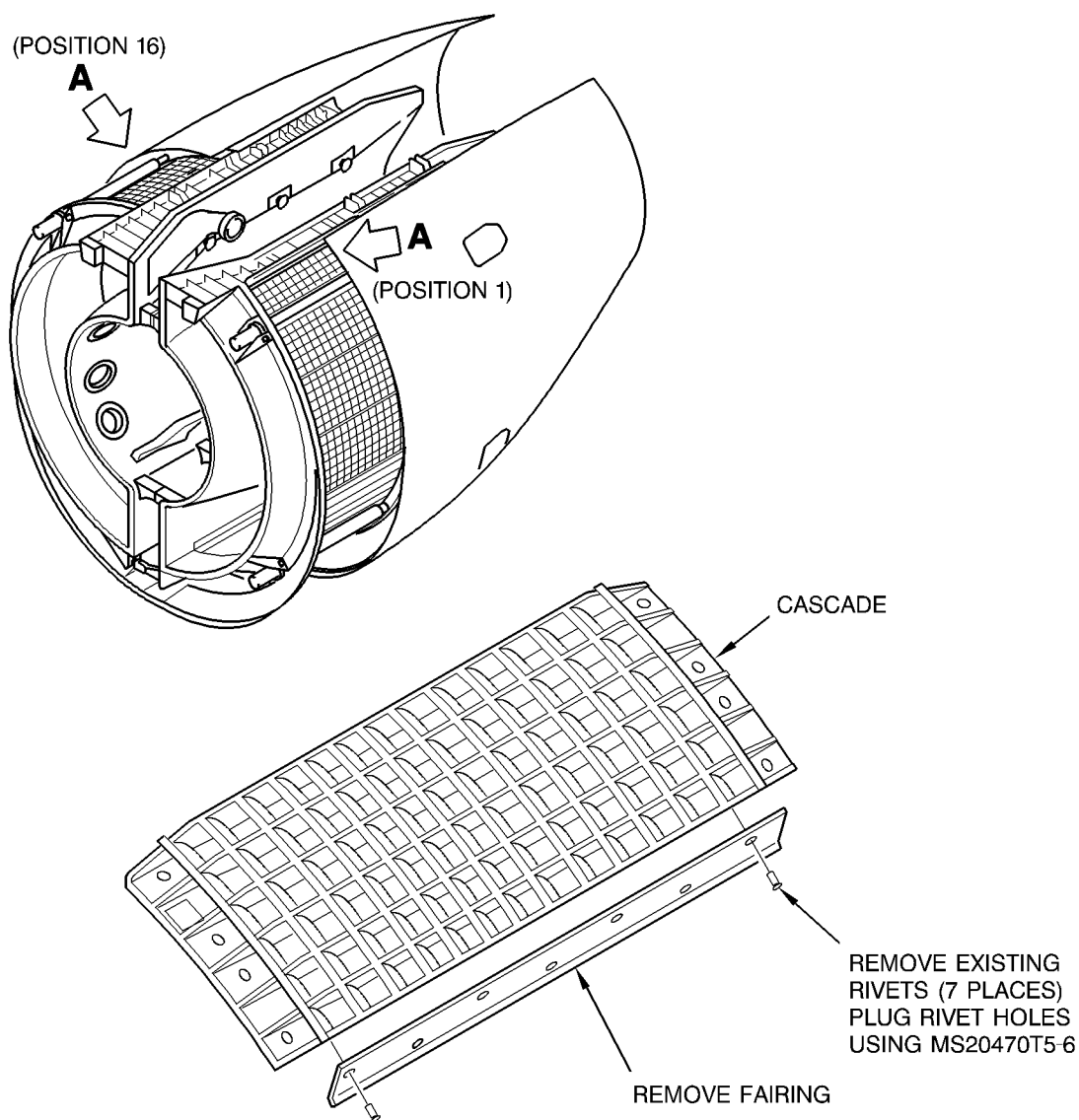
(1) For new fairings, put the fairing into position on the cascade and back drill the holes. Refer to Figure 2 and 3.

(2) Install the fairing on the cascade using fasteners MS20470T5-7.

(3) Re-identify the cascade assembly.

C. Recording Instructions

(1) A record of accomplishment is required. Rubber stamp on the cascade assembly to re-identify the part number as required. Refer to the Standard Practices/Processes Manual (SPP-V2500-1IA), Chapter 70-09-00.



A

(POSITION 16 SHOWN, POSITION 1 OPPOSITE)

VSB948

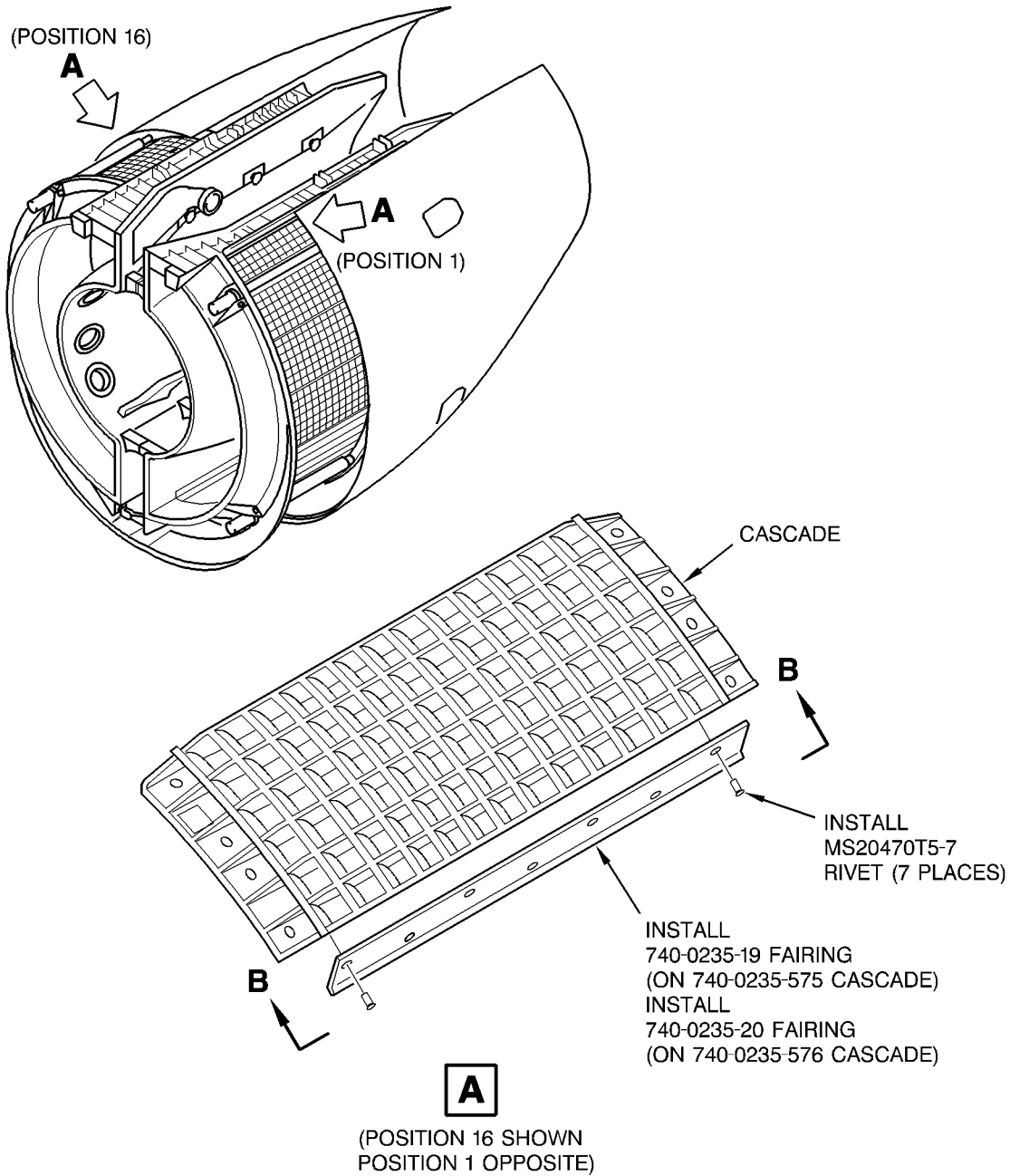
Cascade Assembly Fairing Removal
Figure 1

Mar.19/04
Mar.19/04

V2500-NAC-78-0210
Page 8

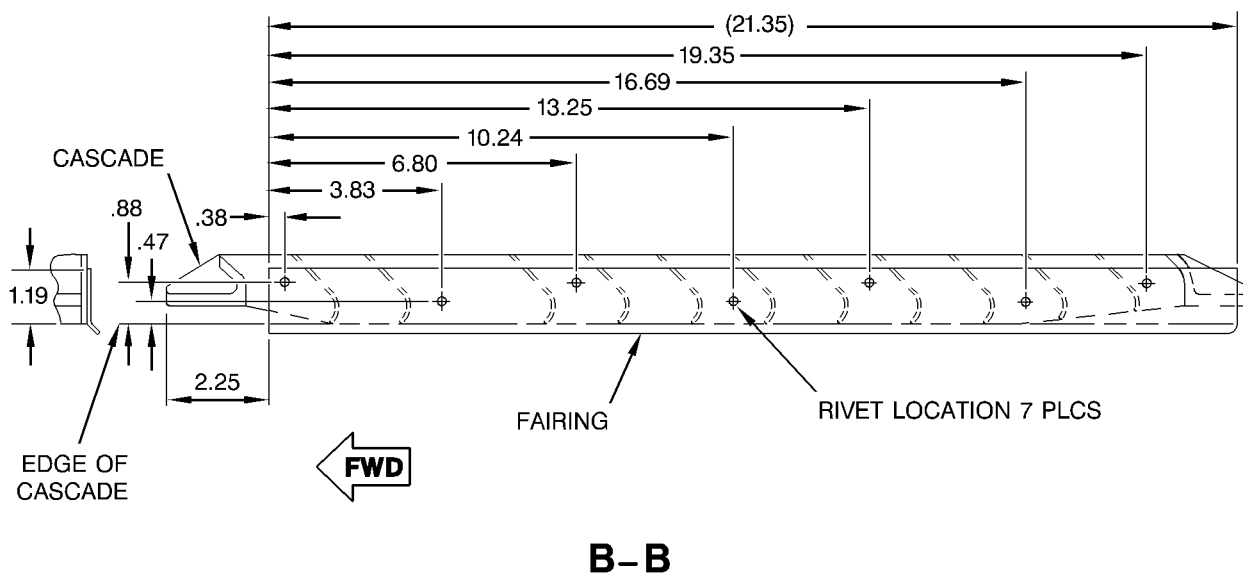
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Not subject to the EAR per 15 C.F.R. Chapter 1, Part 734.3(b)(3).



VSB949

Cascade Assembly Fairing Installation
Figure 2



VSB950

Cascade Assembly Fairing Installation
Figure 3

Mar. 19/04
Mar. 19/04

V2500-NAC-78-0210
Page 10

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NACELLE - EXHAUST - THRUST REVERSER - CASCADE ASSEMBLY - MODIFICATION OF

SUPPLEMENT - PRICES AND AVAILABILITY

The prices (if shown) are for estimating purposes only and as such are given in good faith, without commercial liability for advanced planning purposes only. Refer to IAE Spares and/or current price catalogue for current prices.

1. Modification Kit:

Not applicable.

2. Parts required:

Part No.	Description	Unit Price US Dollars
740-0235-19	Fairing	462.00
740-0235-20	Fairing	462.00

