

AIRBUS INDUSTRIE
PRODUCT SUPPORT DIRECTORATE
1 Rond Point Maurice BELLONTE
31707 BLAGNAC CEDEX FRANCE
Tel : (33) 61-93-33-33
Telex : AIRBU 530526 F



SERVICE BULLETIN CHANGE NOTICE

S.B. No. A320-21-1003
Mod. No. 20831/P1160

REV.

DATED : Oct 28/88

TITLE : AIR CONDITIONING, EQUIPMENT VENTILATION - INSTALL AIR COOLING FANS
WITH MUFFLERS.

MODEL : All models listed on S.B.

DESCRIPTION :

This notice is issued to inform the affected operators that subject
Service Bulletin is changed as stated below.

SERVICE BULLETIN SUMMARY

Page 1 of 1 : Modified Para. EFFECTIVITY
Read : BAW, instead of : BCA.

SERVICE BULLETIN

Page 1 of 9 : Modified Para. 1.A.(2) EFFECTIVITY
Read : BAW, instead of : BCA.

Page 3-4 : Modified Para. 1.F. MATERIAL - COST AND AVAILABILITY
Delete Para. 1.F.(1) Material
Delete Para. 1.F.(2) Cost and availability
Read (1) Material
Parts to be procured from TECHNOFAN.

Page 9 : Modified Para. 3.A. LIST OF COMPONENTS
Add : NOTE : Parts to be procured from TECHNOFAN.

This change will be incorporated in the next revision of this Service
Bulletin; however no revision is planned at the present time.

FILING INSTRUCTION

File this Change Notice in front of the Service Bulletin.

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5 DATE : Mar 03/89

CHANGE NOTICE No. : 0.A.

This summary is for information only and is not DGAC approved for modification of the aircraft.

MODIFICATION No. 20831/P1160

ATA SYSTEM : 21

TITLE : AIR CONDITIONING - EQUIPMENT VENTILATION - INSTALL AIR COOLING FANS WITH MUFFLERS.

REASON

To decrease the noise level of type 1 and 2 extract and blower fans, this Service Bulletin proposes the installation of mufflers around blower and extract fans.

ACTION

- In avionics compartment in zone 128 between FR20 and FR21 :
- (1) Gain access to the working area.
 - (2) Disconnect the Electric Fan.
 - (3) Install the mufflers.
 - (4) Install the clamps.
 - (5) Connect the Electric Fan.
 - (6) Close-up.

EFFECTIVITY

This Service Bulletin is applicable to the following operators :
 AFR, BCA, ITF.

COMPLIANCE

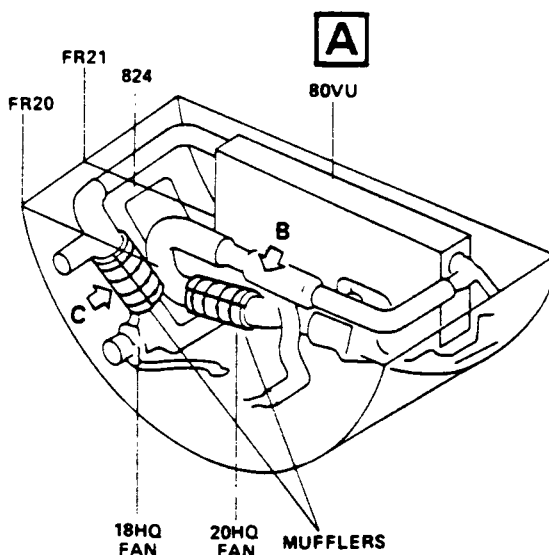
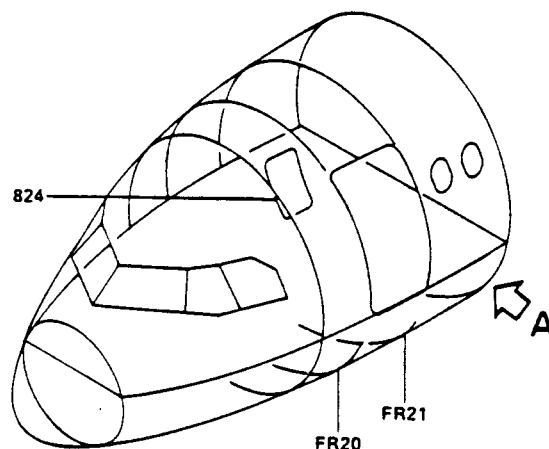
Optional.

MANPOWER

Manhours	2.5
Elapsed time (Hours)	2.5

MATERIAL INFORMATION

Quantity per A/C
 2 mufflers
 8 clamps



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MODIFICATION No. 20831/P1160

ATA SYSTEM : 21

TITLE : AIR CONDITIONING - EQUIPMENT VENTILATION - INSTALL AIR COOLING
FANS WITH MUFFLERS.

1. PLANNING INFORMATION

A. EFFECTIVITY

(1) Aircraft Models : 320-111

(2) Aircraft

Customer and Fleet No.	MSN	Qty of Kit A320211003A01
AFR 001, 002	005, 007	2
BCA 001-003	006, 008, 011	3
ITF 001, 002	010, 012	2

This modification is embodied prior to delivery on A/C MSN 003,
004, 013 and subsequent.

(3) Spares

FAN ELECTRIC 18HQ EVT3454 or EVT3454A
20HQ EVT3454 or EVT3454A

B. REASON

To decrease the noise level of type 1 and 2 extract and blower fans,
this Service Bulletin proposes the installation of mufflers around
blower and extract fans.

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C. DESCRIPTION

Accomplishment of this Service Bulletin consists in carrying out the following jobs.

In avionics compartment in zone 128 between FR20 and FR21.

- (1) Gain access to the working area.
- (2) Disconnect the Electric Fan.
- (3) Install the mufflers.
- (4) Install the clamps.
- (5) Connect the Electric Fan.
- (6) Close-up.

D. APPROVAL

This Service Bulletin is approved by Direction Générale de l'Aviation Civile - FRANCE (D.G.A.C.).

E. MANPOWER

	<u>Manhours</u>
Gain access	1
Modification	0.5
Close-up	1
	<hr/>
TOTAL MANHOURS	2.5
ELAPSED TIME (HOURS)	2.5

NOTE : This Service Bulletin assumes that the aircraft has been placed in a maintenance status. The manhours/elapsed time estimates do not include preparation for the modification non-productive elapsed time, or administrative functions.

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F. MATERIAL - COST AND AVAILABILITY**(1) Material**

Operators with aircraft listed under paragraph 1.A.(2) above should submit purchase orders quoting this Service Bulletin to :

AIRBUS INDUSTRIE
SPARES SUPPORT CENTER
WEG BEIM JAEGER 150
D2000 HAMBURG 63
GERMANY

(2) Cost and availability

Kit	Cost (US Dollars)	Availability*
A320211003A01	Information will be included when available	

* Calendar days from receipt to order.

NOTE : Sales terms states (cost and availability) are evaluated with respect to economic conditions at the issue date of this Service Bulletin.
A discount of ten (10) per cent will be accorded to all orders received within a period of 120 days from the original issue date of this Service Bulletin.

G. TOOLING - PRICE AND AVAILABILITY

None.

H. WEIGHT AND BALANCE

MEW : + 1.750 Kg (+ 3.858 lb.)
Moment : + 14.497 m.Kg. (+ 104.856 lb.ft.)

I. REFERENCES

Aircraft Maintenance Manual : 06-41-53, 12-34-24, 21-26-51, 24-41-00.

J. PUBLICATIONS AFFECTED

Illustrated Parts Catalog : 21-26-01
Aircraft Maintenance Manual : 21-26-51

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2. ACCOMPLISHMENT INSTRUCTIONSAIRCRAFTA. GENERAL

Accomplishment of this Service Bulletin includes the following operations :

- (1) Job Set-up
 - (a) De-energize the aircraft electrical network (Ref. AMM 24-41-00, P. Block 201) and electrically ground the aircraft (Ref. AMM 12-34-24, P. Block 201).
 - (b) Position access platforms.
 - (c) Open access doors 824 (Ref. AMM 06-41-53).

B. MODIFICATION

In Avionics compartment in zone 128 between FR20 and FR21 on Electric Fan 20HQ and 18HQ.

- (1) Disconnect only the plugs 20HQ-A and 18HQ-A on Electric Fan (Ref. AMM 21-26-51, P. Block 401).

NOTE : Do not remove the fans.

- (2) Install the mufflers
Ref. Fig. 1

- (a) On blower fan 20HQ
 - 1 EVT3454-600-01 Item 1
 - 4 clamps TY29M Item 3

- (b) On extract fan 18HQ
 - 1 EVT3454-600-02 Item 2
 - 4 clamps TY29M Item 3

- (3) Connect the plugs 18HQ-A and 20HQ-A on electric fan (Ref. AMM 21-26-51, P. Block 401).

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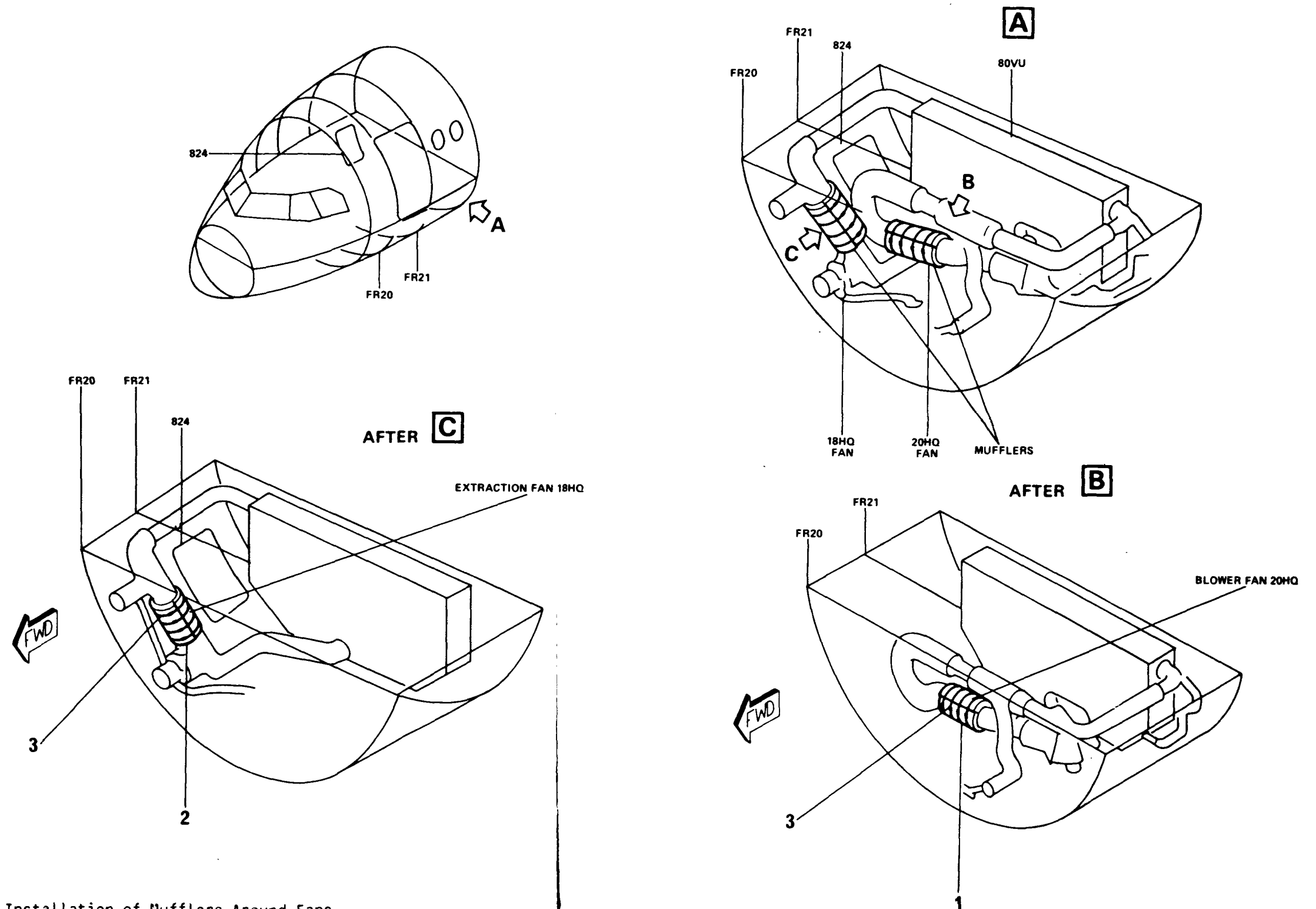
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C. TEST

Do an operational test of the blower and extract fans (20HQ, 18HQ) (without the CFDS) (Ref. AMM 21-26-51, P. Block 501).

D. CLOSE-UP

- (1) Make certain that working areas are clean and clear of tools and miscellaneous items of equipment.
- (2) Close access doors 824 (Ref. AMM 06-41-53).
- (3) Remove access platforms.
- (4) Disconnect the aircraft electrical ground connection (Ref. AMM 12-34-24, P. Block 201).



Installation of Mufflers Around Fans
Figure 1

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3. MATERIAL INFORMATION

A. LIST OF COMPONENTS

I T E M	NEW PART No.	QTY	DESCRIPTION	I T E M	OLD PART No.	I N T	INSTRUCTIONS/ DISPOSITION
<u>Kit No. A320211003</u>		<u>A01</u>					
1	EVT3454-600-01	1	Muffler				
2	EVT3454-600-02	1	Muffler				
3	TY29M	8	Clamps				

B. SPECIAL TOOLS

None.

C. LIST OF MATERIALS OPERATOR SUPPLIED

None.

D. PARTS TO BE RE-IDENTIFIED BY OPERATOR

None.

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IS BEING HERewith SUBMITTED TO YOU FOR REVIEW

Please fill : ... REJECTED
 ... WILL BE EMBODIED
 ... EFFECTIVITY

This SB can only be incorporated in your "customized" documentation within the agreed time schedule in so far as this sheet is returned to us on purchase date and signed by a duly authorized and empowered officer or representative.

FROM :

AIRLINE :

.....

NAME :

.....

DATE :

..... 19..

Please return to :

AIRBUS INDUSTRIE

BP No. 33
31707 BLAGNAC CEDEX
FRANCE

Att. : AI/S - Technical Publications
Department

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