

A319/A320/A321

SERVICE BULLETIN CHANGE NOTICE

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

S.B. No. A320-21-1019 REV.
Mod. No. 20327/P01104

DATED : Jul 12/89

TITLE : AIR CONDITIONING - COCKPIT - REPLACE AIR DUCT.

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

Paragraph EFFECTIVITY : read HP instead of BNF.

SERVICE BULLETIN

Page 1 of 9 - Paragraph EFFECTIVITY modified and MSN 002 added.

Should read :

AFR004-008 014,019-021,002

HP 620-622 052-054

HP 624 055

ITF004 MSN 015 deleted.

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

FILING INSTRUCTIONS

Put this Change Notice in front of the Service Bulletin.

SERVICE BULLETIN No. : A320-21-1019

5 DATE : Dec 12/96

CHANGE NOTICE No. : O.A.

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 SUMMARY

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

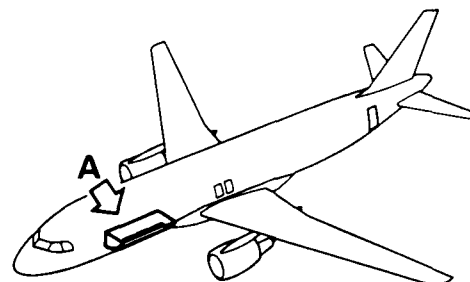
MODIFICATION No. 20327/P01104

ATA SYSTEM : 21

TITLE : AIR CONDITIONING - COCKPIT - REPLACE AIR DUCT.

REASON/DESCRIPTION/OPERATIONAL CONSEQUENCES

In order to reduce noise caused by air generation and in this way improve the acoustic comfort of the cockpit, this Service Bulletin proposes replacing the existing basic duct of the air conditioning system by a silenced duct, between frames 27 to 29.



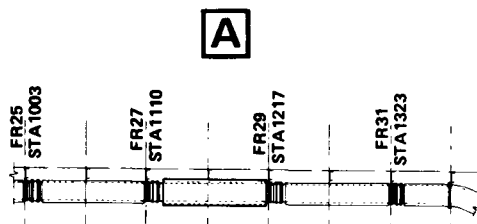
EFFECTIVITY

This Service Bulletin is applicable to the following operators :
AAA, ADR, AFR, BAW, BNF, CYP, IAC, ITF, NWA.

This modification is embodied prior to delivery on A/C MSN 059 and subsequent.

SERVICE BULLETIN/MODIFICATION TO BE ACCOMPLISHED PREVIOUSLY OR SIMULTANEOUSLY

None.



REFERENCES/REPERCUSSIONS

TFU 21000003

LIFE LIMIT None.

OEB None.

LINE MAINTENANCE AFFECTED

AOT None.

NO

SIL None.

OTHERS None.

5 DATE : Jul 12/89

SERVICE BULLETIN No. : A320-21-1019

REVISION No. :

PAGE : 1 of 2

SERVICE BULLETIN SUMMARY**NATURE OF THE MODIFICATION**

AIRCRAFT	YES
EQUIPMENT	NO
HARD	NO
SOFT	NO
OBRM	NO

COMPLIANCE

Desirable.

MANPOWER

Manhours : 3
Elapsed time (hours) : 3

MATERIAL INFORMATION**Aircraft Data**

Qty per A/C :

1 duct

Equipment Data

None

APPENDICES

None.

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

MODIFICATION No. 20327/P01104

ATA SYSTEM : 21

TITLE : AIR CONDITIONING - COCKPIT - REPLACE AIR DUCT.

1. PLANNING INFORMATION

A. EFFECTIVITY

(1) Aircraft models : 320-111, 320-211, 320-231

(2) Aircraft

Customer and Fleet No.	MSN	Qty of kits 211019A01
AAA 001-008	022-027, 029, 030	8
ADR 001	043	1
AFR 001,002	005, 007	6
004-007	014, 019-021	
BAW 001-005	006, 008, 011, 017, 018,	6
007	042	
BNF 901-904	052, 055	4
CYP 001-004	028, 035, 037, 038	4
IAC 001-010	045-051, 056-058	10
ITF 001-010	010, 012, 013, 015, 016,	10
	033, 036, 044, 004, 003	
NWA 301-305	031, 032, 034, 040, 041	5

This modification is embodied prior to delivery on A/C
MSN 039, 059 and subsequent.

(3) Spares

None.

5 DATE : Jul 12/89

SERVICE BULLETIN No. : A320-21-1019

REVISION No. :

PAGE : 1 of 9

SERVICE BULLETIN

B. REASON

In order to reduce noise caused by air generation and in this way improve the acoustic comfort of the cockpit, this Service Bulletin proposes replacing the existing basic duct of the air conditioning system by a silenced duct, between frames 27 to 29.

C. DESCRIPTION

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

In forward cargo compartment, on left side, between frames 27 to 29,

- (1) Removing left lateral panel 131HW.
- (2) Removing existing basic duct.
- (3) Installing new silenced duct.

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	0.5
Modification	2
Close-up	0.5
	<hr/>
TOTAL MANHOURS	3
ELAPSED TIME (HOURS)	3

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.

SERVICE BULLETIN

F. MATERIAL - COST AND AVAILABILITY

Refer to Paragraph 3, MATERIAL INFORMATION.

G. TOOLING - PRICE AND AVAILABILITY

None.

H. WEIGHT AND BALANCE

MEW : + 0.465 kg (+ 1.025 lb.)

Effect on balance : + 5.409 m.kg (+ 39.123 lb.ft.).

I. REFERENCES

Aircraft Maintenance Manual : 12-34-24, 24-41-00, 52-30-00.

J. PUBLICATIONS AFFECTED

Illustrated Parts Catalog : 21-21-02.

2. ACCOMPLISHMENT INSTRUCTIONS**A. GENERAL****(1) Preparation**

- (a) De-energize the aircraft electrical circuits
(Ref. AMM 24-41-00, P. Block 201)
and electrically ground the aircraft
(Ref. AMM 12-34-24, P. Block 201).
- (b) Put the access platforms in position.
- (c) Open the forward cargo-compartment door 825
(Ref. AMM 52-30-00, P. Block 201).

B. MODIFICATION

In the forward cargo compartment, on the left side, between the frames 27 to 29

- (1) Remove the left lateral panel 131HW between the frames 27 to 30
(re-used)
- (2) Remove the basic air conditioning duct that is in the aircraft

Refer to Figure 1

Remove :

9 clamps	Item (2)	(retain)
2 sleeves	Item (3)	(retain)
1 duct	Item (1)	(Ref. NOTE)

NOTE : If necessary, it will be possible to re-use the duct
Item (1) because this duct has the same Part No. as the
ducts that are in the aircraft and that are installed
between the frames 25 to 27 and the frames 29 to 31.

- (3) Install the new silenced duct

Refer to Figure 1

SERVICE BULLETIN

Install :

1 duct D2121097000000	Item 1	
2 sleeves	Item (3)	(retained at removal)
9 clamps	Item (2)	(retained at removal)

- (4) Install the left lateral panel 131HW between the frames 27 to 30 (retained at removal).

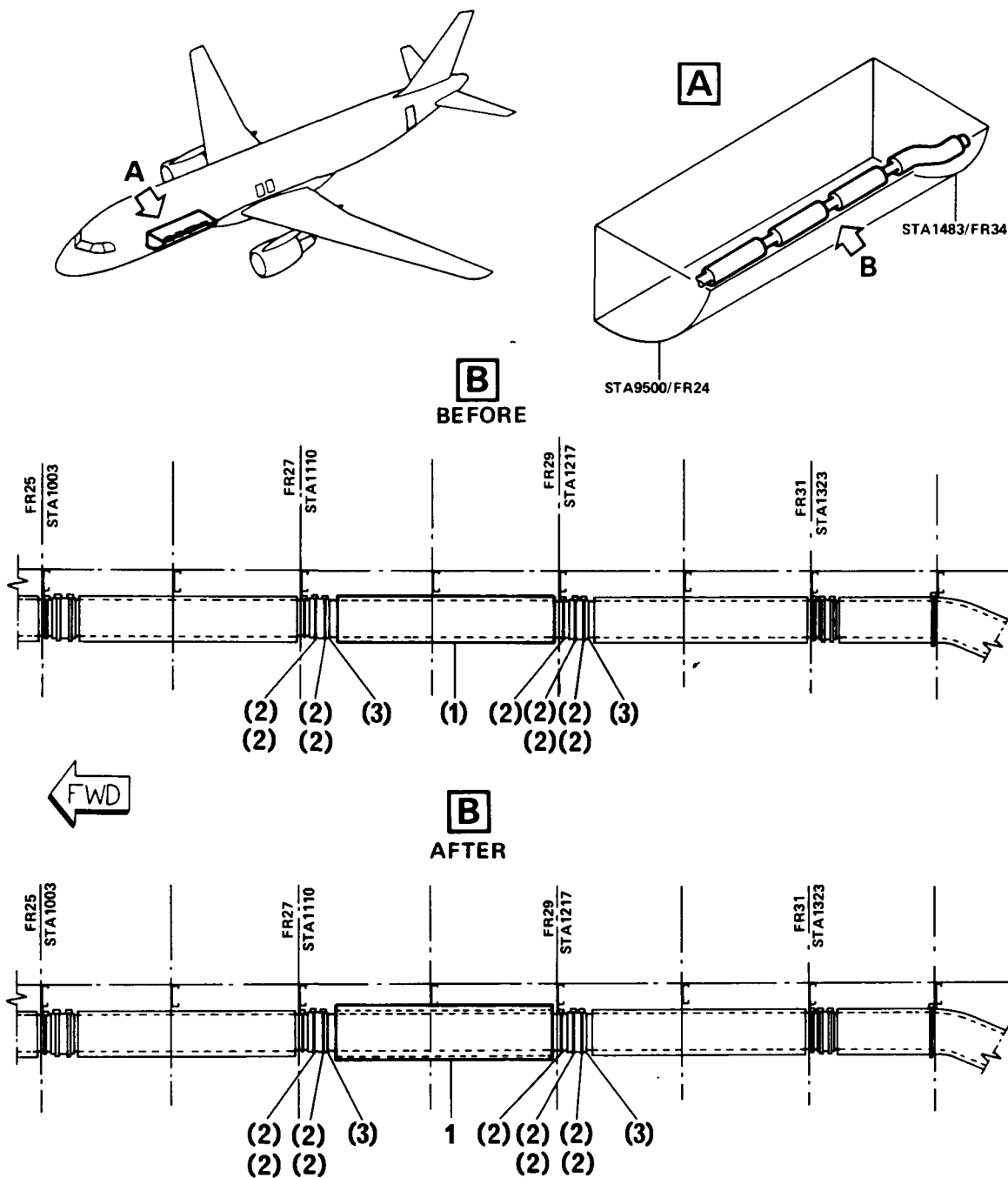
C. TEST

None.

D. CLOSE UP

- (1) Close the forward cargo compartment door 825
(Ref. AMM 52-30-00, P. Block 201).
- (2) Remove the access platforms.
- (3) Disconnect the aircraft electrical ground connection
(Ref. AMM 12-34-24, P. Block 201).

SERVICE BULLETIN



**Installation of New Silenced Duct
Figure 1**

DATE : Jul 12/89

SERVICE BULLETIN No. : A320-21-1019

REVISION No. :

PAGE : 7-8

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. 211019</u>		<u>A01</u>					
1	D2121097000000	1	Duct	(1)	D2121031400000		**
		9	Clamp	(2)	NSA5528-145		*
		9	Sleeve	(3)	D2121212522300		*

* Re-used

** If need be, duct Item (1) may be re-used since it has the same Part No. as the existing ducts installed between frames 25 to 27 and frames 29 to 31.

Material required for accomplishment of this Service Bulletin shall be procured by means of a spares purchase order.

B. SPECIAL TOOLS

None.

C. LIST OF MATERIAL - OPERATOR SUPPLIED

None.

D. PARTS TO BE RE-IDENTIFIED BY OPERATOR

None.

DATE : Jul 12/89
REVISION No. :

SERVICE BULLETIN No. : A320-21-1019

PAGE : 9

Printed in France

SERVICE BULLETIN

 **A320**



MODIFICATION No. 20327/P01104

TITLE : AIR CONDITIONING - COCKPIT - REPLACE AIR DUCT.

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

FROM :

• • • • •

■ ■ ■ ■ ■

..... 19..

Att. : AI/S - Technical Publications
Department

Printed in France