

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

A320/A321

SERVICE BULLETIN CHANGE NOTICE

S.B. No. A320-21-1028 REV. 3
Mod. No. 20752P1057

DATED : Jan 22/92

TITLE : AIR CONDITIONING - COCKPIT CLIMATIZATION THERMAL COMFORT
IMPROVEMENT.

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.

Page 19 - Para. 3.A.

KIT No. 211028A01

Read : 1 duct	D2121047900000	Item (1)
1 duct	D2121047900100	Item (2)

Instead of : 1 duct	02121047900000	Item (1)
1 duct	02121047900100	Item (2)

KIT No. 211028A02

Read : 1 duct	D2121047900400	Item (1)
1 duct	D2121047900500	Item (2)

Instead of : 1 duct	02121047900100	Item (1)
1 duct	02121047900500	Item (2)

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

FILING INSTRUCTIONS

File this Change Notice in front of the Service Bulletin.

SERVICE BULLETIN No. : A320-21-1028

CHANGE NOTICE No. : 3.A.

5 DATE : Sep 01/94

AIRBUS INDUSTRIE
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SERVICE BULLETIN

REVISION TRANSMITTAL SHEET

MODIFICATION No. 20752P1057

ATA SYSTEM : 21

TITLE : AIR CONDITIONING - COCKPIT CLIMATIZATION THERMAL COMFORT
IMPROVEMENT.

This page transmits Revision No. 3 of Service Bulletin No. A320-21-1028.
No additional work is required by this Revision.

REASON

This Revision is issued to inform the operators of a technical
information change.

SERVICE BULLETIN

Page 5 - Para. 2.B.(1)(a), Items 24 and 26 becomes discard.
Page 6 - Items 23, 24 and 26 becomes discard.
Page 7 - Items 23, 24 and 26 part number modified.
Page 8 - Items 23, 24 and 26 becomes discard.
Page 9 - Item 23 (retain) become (discard).
- Items 23, 24 and 26 part number modified.
Page 10 - Items 23, 24 and 26 part number modified.
Page 13-14 - Figure 1, Sheet 1 of 3 modified.
Page 19 - Kit A01, addition of Items 23, 24 and 26.
Page 20 - Kit A02, addition of Items 23, 24 and 26.

FILING INSTRUCTIONS

Replace pages SERVICE BULLETIN 1 of 20, 5, 6, 7, 8, 9, 10, 13-14, 19
and 20.

File this Revision Transmittal Sheet in front of the Service Bulletin.

REVISION SEQUENCES

ORIGINAL : Jul 31/90

REVISION No. : 1 - Mar 20/91

REVISION No. : 2 - Nov 14/91

REVISION No. : 3 - Jan 22/92

5 DATE : Jul 31/90

SERVICE BULLETIN No. : No. A320-21-1028

REVISION No. : 3 - Jan 22/92

PAGE : 1 of 1

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

MODIFICATION No. 20752P1057

ATA SYSTEM : 21

TITLE : AIR CONDITIONING - COCKPIT CLIMATIZATION THERMAL COMFORT IMPROVEMENT.

REASON/DESCRIPTION/OPERATIONAL CONSEQUENCES

A low room temperature has been evidenced in the Pilots' foot area. This Service Bulletin calls for the addition of a tapping on the supply system of the Pilots' individual outlets, the increase in diameter of the system upstream of the tapping, the addition of a flow adjustment plate on both forward orifices. This modification improves thermal comfort in the Pilots' foot area and the air flow adjustment functionality.

In flight compartment,

- (1) Removing the flight compartment air conditioning system used for the Pilots' feet.
- (2) Installing the new air conditioning system and its adjustment system.

EFFECTIVITY

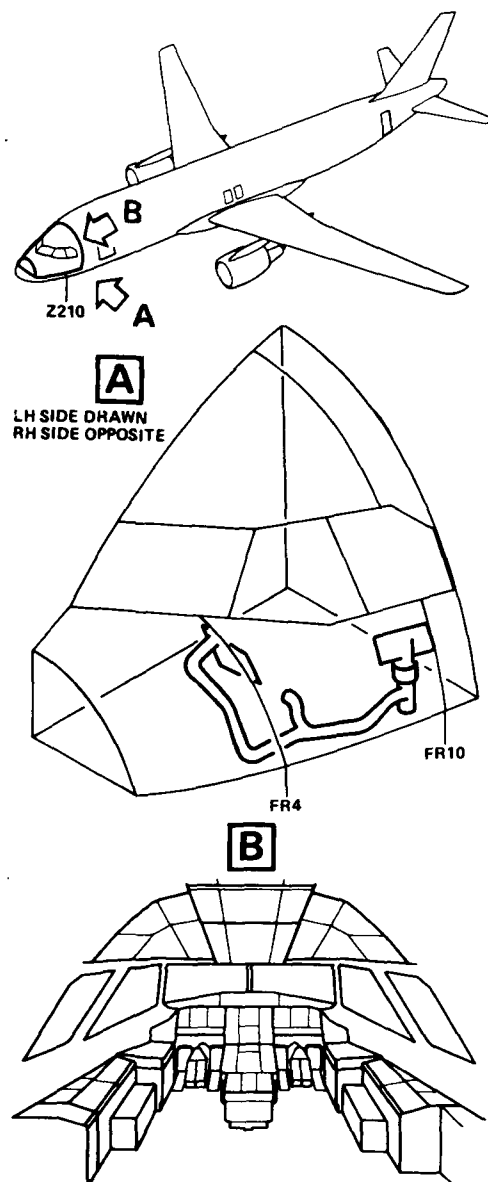
This Service Bulletin is applicable to the following operators :

AAA, ACA, ADR, AFR, BAW, CYP, HP, IAC, ITF, NWA.

This modification is embodied prior to delivery on A/C MSN 069 and subsequent.

SERVICE BULLETIN/MODIFICATION TO BE ACCOMPLISHED PREVIOUSLY OR SIMULTANEOUSLY

None.





SERVICE BULLETIN SUMMARY

REFERENCES/REPERCUSSIONS

TFU	21210007	LIFE LIMIT	None
OEB	None	LINE MAINTENANCE AFFECTED	
AOT	None	NO	
SIL	None	OTHERS	None

NATURE OF THE MODIFICATION

AIRCRAFT	YES
EQUIPMENT	NO
HARD	NO
SOFT	NO
OBRM	NO

COMPLIANCE

Optional.

MANPOWER

<u>KIT No. 211028</u>	<u>A01</u>	<u>A02</u>
Manhours	10.5	10.5
Elapsed Time (Hours)	5.5	5.5

MATERIAL INFORMATION

Aircraft Data

Qty per A/C :

- 4 ducts
- 2 side panel assies
- 2 adjustment systems
- 1 material panel assy.

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SERVICE BULLETIN SUMMARY

Equipment Data

None.

APPENDICES

None.

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MODIFICATION No. 20752P1057

ATA SYSTEM : 21

TITLE : AIR CONDITIONING - COCKPIT CLIMATIZATION THERMAL COMFORT
 IMPROVEMENT.

1. PLANNING INFORMATION

A. EFFECTIVITY

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

(2) Aircraft

Customer and Fleet No.	MSN	Kit No. 211028	Qty of Kits
AAA001-008	022,023,024,025,026,027, 029,030	A02	08
ACA201,202	059,068	A02	02
ADR001	043	A02	01
AFR001,002	005,007	A01	02
AFR004-008	014,019,020,021,002	A02	05
AFR031-033	061,062,063	A02	03
BAW001-003	006,008,011	A01	03
BAW004-007	017,018,039,042	A02	04
CYP001-004	028,035,037,038	A02	04
HP620-622	052,053,054	A02	03
HP624-628	055,064,065,066,067	A02	05
IAC001-006	045,046,047,048,049,050, 051,056,057,058	A02	10
ITF001,002	010,012	A01	02
ITF003-006	013,015,016,033	A02	04



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Customer and Fleet No.	MSN	Kit No. 211028	Qty of Kits
ITF007-010	036,044,004,003	A02	04
NWA301-306	031,032,034,040,041,060	A02	06

This modification is embodied prior to delivery on A/C MSN 069 and subsequent.

(3) Spares

None.

B. REASON

(1) History

A low room temperature has been evidenced in the Pilots' foot area.

(2) Objective/Action

Add a tapping on the supply system of the Pilots' individual outlets, increase the diameter of the system upstream of the tapping, add a flow adjustment plate on both forward orifices.

(3) Advantages

This modification improves thermal comfort in the Pilots' foot area and the air flow adjustment functionality.

(4) Accomplishment Timescale

In accordance with operator's experience.

C. DESCRIPTION

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

- (1) In flight compartment, removing the air conditioning system used for the Pilots' feet.
- (2) Installing the new air conditioning system and its adjustment system.
- (3) Installing the material-panel assy.

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D. APPROVAL

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

E. MANPOWER

	<u>Manhours</u>	
	<u>Kit No. 211028</u>	
	<u>A01</u>	<u>A02</u>
Gain access	3	3
Modification between frame 4 and frame 10	3.5	3.5
Close-up	3	3
Test	1	1
	<hr/>	<hr/>
TOTAL MANHOURS	10	10
ELAPSED TIME (HOURS)	5	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.

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

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

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

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(2) Cost and availability

Kit No.	Cost (US Dollars)	Availability *
211028A01	16.434	150
211028A02	16.132	150

* Calendar days from receipt of order.

NOTE : Sales terms stated (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 : + 0.040 kg (+ 0.00881 lb)

Effect on balance : + 0.186 kgm (+ 1.345 lb ft)

I. REFERENCES

Aircraft Maintenance Manual : 22-82-12, 23-51-00, 24-00-00, 24-41-00,
25-11-51, 31-32-00, 35-12-41, 51-23-11,
52-10-00, 52-41-11

J. PUBLICATIONS AFFECTED

Illustrated Parts Catalog : 21-21-01, 21-63-01, 25-13-01, 31-13-01

Duct Repair Manual : 21-21-01, 21-26-01

2. ACCOMPLISHMENT INSTRUCTIONS

A. GENERAL

(1) Preparation

- (a) Open the forward passenger/crew door (Ref. AMM 52-10-00, P. Block 201).
- (b) Open forward avionics compartment door 811 (Ref. AMM 52-41-11).
- (c) De-energize the electrical circuits (Ref. AMM 24-41-00, P. Block 301) and electrically ground the aircraft (Ref. AMM 24-00-00, P. Block 301).
- (d) Remove the Captain and First Officer seats (Ref. AMM 25-11-51, P. Block 401).
- (e) Remove the oxygen masks (Ref. AMM 35-12-41, P. Block 401).
- (f) Remove the hand mike receptacles.
- (g) Remove MCDU-3 (if installed) (Ref. AMM 22-82-12, P. Block 401).
- (h) Remove the lining of the Captain and First Officer consoles 101VU and 700VU in zones 211 and 212 and the mask and stowage boxes located inside.

(2) Standard procedures

- (a) To do a touch-up with a protective treatment (Ref. AMM 51-23-11), Mat. No. 16.001 and Mat. No. 16.007 (Ref. CML).

B. MODIFICATION

KIT No. 211028A01

- (1) Remove the duct of the supply system in the flight compartment, zones 211, 212.

Refer to Figure 1, Sheets 1 of 2 and 2.

- (a) In zone 211, on L side, remove :

1 duct	Item (1) (discard)
1 duct	Item (4) (discard)
1 sleeve	Item (26) (discard)
4 clamps	Item (24) (discard)

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1 clamp	Item 25 (retain)
1 clamp	Item 20 (retain)
1 clamp	Item 22 (retain)
1 clamp	Item (23) (discard)

(b) On the console 1VU, remove :

1 side panel assy	Item (6) (discard)
1 front web assy	Item (8) (discard)
12 rivets	Item (12) (discard)
3 screws	Item 27 (retain)
3 washers	Item 28 (retain)

(c) In zone 212, on R side, remove :

1 duct	Item (2) (discard)
1 duct	Item (5) (discard)
1 sleeve	Item (26) (discard)
4 clamps	Item (24) (discard)
1 clamp	Item 25 (retain)
1 clamp	Item 20 (retain)
1 clamp	Item 22 (retain)
1 clamp	Item (23) (discard)

(d) On the console 7VU, remove :

1 side panel assy	Item (7) (discard)
1 front web assy	Item (9) (discard)
12 rivets	Item (12) (discard)
3 screws	Item 27 (retain)
3 washers	Item 28 (retain)

(2) Install the new duct of the air conditioning system in the flight compartment and the adjustment system.

Refer to Figure 1, Sheets 1 of 2 and 2.

(a) On the console 1VU, on L side and in zone 211, install :

1 front web assy	D9251071000400	Item 8
1 adjustment system	D2121109300000	Item 10
12 rivets	ASNA2050DEJ04020	Item 12
5 screws	NAS1096-3-8	Item 13
5 washers	AN960-10L	Item 17
8 screws	NAS1102-06-6	Item 14
8 nuts	MS21042-06	Item 15
8 washers	AN960-6L	Item 16
1 duct	D2121052700400	Item 4
1 duct	D2121108000040	Item 1
1 duct	D2101001722740	Item 3
1 side panel assy	D2511120500400	Item 6

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2 clamps	NSA5528-025	Item 18
1 sleeve	A2121212520500	Item 26
1 clamp	NSA5528-070	Item 20
		(retained at removal)
1 clamp	NSA5528-080	Item 25
		(retained at removal)
2 clamps	NSA5522-032-052	Item 24
1 clamp	NSA5528-070	Item 23
1 clamp	NSA5528-030	Item 22
		(retained at removal)
3 screws	NSA1352-08-10P	Item 27
		(retained at removal)
3 washers	AN960PD8L	Item 28
		(retained at removal)

(b) On the console 7VU and in zone 212, on R side, install :

1 front web assy	D9251071000500	Item 9
1 adjustment system	D2121109300100	Item 11
12 rivets	ASNA2050DEJ04020	Item 12
5 screws	NAS1096-3-8	Item 13
5 washers	AN960-10L	Item 17
8 screws	NAS1102-06-6	Item 14
8 nuts	MS21042-06	Item 15
8 washers	AN960-6L	Item 16
1 duct	D2121052700600	Item 5
1 duct	D2121108000140	Item 2
1 duct	D2121001722740	Item 3
1 side panel assy	D2511120500500	Item 7
2 clamps	NSA5528-025	Item 18
1 sleeve	A2121212520500	Item 26
1 clamp	NSA5528-070	Item 20
		(retained at removal)
1 clamp	NSA5528-080	Item 25
		(retained at removal)
2 clamps	NSA5522-032-052	Item 24
1 clamp	NSA5528-070	Item 23
1 clamp	NSA5528-030	Item 22
		(retained at removal)
3 screws	NSA1352-08-10P	Item 27
		(retained at removal)
3 washers	AN960PD8L	Item 28
		(retained at removal)

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- (3) Install the material-panel assy.

Refer to Figure 1, Sheet 3.

- (a) In zone 210, install :

1 material-panel assy	D2121109900000	Item 29
2 clamps	D2121109720000	Item 30
1 hinge	D2121109820000	Item 31
3 bande velcro	D2581008120100	Item 32
2 bande velcro	D2581008120300	Item 33

KIT No. 211028A02

- (4) Remove the duct of the supply system in the flight compartment zones 211, 212.

Refer to Figure 1, Sheets 1 of 2 and 2.

- (a) In zone 211, on L side, remove :

1 duct	Item (1) (discard)
1 duct	Item (4) (discard)
1 duct	Item 19 (retain)
1 sleeve	Item (26) (discard)
4 clamps	Item (24) (discard)
1 clamp	Item 25 (retain)
1 clamp	Item 20 (retain)
1 clamp	Item 22 (retain)
2 clamps	Item 21 (retain)
1 clamp	Item (23) (discard)

- (b) On the console 1VU, remove :

1 side panel assy	Item (6) (discard)
1 front web assy	Item (8) (discard)
12 rivets	Item (12) (discard)
3 screws	Item 27 (retain)
3 washers	Item 28 (retain)

- (c) In zone 212, on R side, remove :

1 duct	Item (2) (discard)
1 duct	Item (5) (discard)
1 duct	Item 19 (retain)
1 sleeve	Item (26) (discard)
4 clamps	Item (24) (discard)
1 clamp	Item 25 (retain)
1 clamp	Item 20 (retain)

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1 clamp	Item 22 (retain)
1 clamp	Item (23) (discard)
2 clamps	Item 21 (retain)

(d) On the console 7VU, remove :

1 side panel assy	Item (7) (discard)
1 front web assy	Item (9) (discard)
12 rivets	Item (12) (discard)
3 screws	Item 27 (retain)
3 washers	Item 28 (retain)

(5) Install the new duct of the air conditioning system in the flight compartment and the adjustment system, zones 211, 212.

Refer to Figure 1, Sheets 1 of 2 and 2.

(a) On the console 1VU, on L side and in zones 211 and 212

1 front web assy	D9251071000400	Item 8
1 adjustment system	D2121109300000	Item 10
12 rivets	ASNA2050DEJ04020	Item 12
5 screws	NAS1096-3-8	Item 13
5 washers	AN960-10L	Item 17
8 screws	NAS1102-06-6	Item 14
8 nuts	MS21042-06	Item 15
8 washers	AN960-6L	Item 16
1 duct	D2121052700400	Item 4
1 duct	D2121108000040	Item 1
1 duct	D2101001722740	Item 19
	(retained at removal)	
1 side panel assy	D2511120500400	Item 6
2 clamps	NSA5528-025	Item 21
	(retained at removal)	
1 sleeve	A2121212520500	Item 26
1 clamp	NSA5528-070	Item 20
	(retained at removal)	
1 clamp	NSA5528-080	Item 25
	(retained at removal)	
2 clamps	NSA5522-032-052	Item 24
1 clamp	NSA5528-070	Item 23
1 clamp	NSA5528-030	Item 22
	(retained at removal)	
3 screws	NSA1352-08-10P	Item 27
	(retained at removal)	
3 washers	AN960PD8L	Item 28
	(retained at removal)	

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(b) On the console 7VU and in zone 212, on R side, install :

1 front web assy	D9251071000500	Item 9
1 adjustment system	D2121109300100	Item 11
12 rivets	ASNA2050DEJ04020	Item 12
5 screws	NAS1096-3-8	Item 13
5 washers	AN960-10L	Item 17
8 screws	NAS1102-06-6	Item 14
8 nuts	MS21042-06	Item 15
8 washers	AN960-6L	Item 16
1 duct	D2121052700600	Item 5
1 duct	D2121108000140	Item 2
1 duct	D2101001722740	Item 19
	(retained at removal)	
1 side panel assy	D2511120500500	Item 7
2 clamps	NSA5528-025	Item 21
	(retained at removal)	
1 sleeve	A2121212520500	Item 26
1 clamp	NSA5528-070	Item 20
	(retained at removal)	
1 clamp	NSA5528-080	Item 25
	(retained at removal)	
2 clamps	NSA5522-032-052	Item 24
1 clamp	NSA5528-070	Item 23
1 clamp	NSA5528-030	Item 22
	(retained at removal)	
3 screws	NSA1352-08-10P	Item 27
	(retained at removal)	
3 washers	AN960PD8L	Item 28
	(retained at removal)	

(6) Install the material-panel assy.

Refer to Figure 1, Sheet 3.

(a) In zone 210, install :

1 material-panel assy	D2121109900000	Item 29
2 clamps	D2121109720000	Item 30
1 hinge	D2121109820000	Item 31
3 bande velcro	D2581008120100	Item 32
2 bande velcro	D2581008120300	Item 33

C. TESTS**(1) Equipment and materials**

Electrical ground power unit 3-phase, 115/220V, 400Hz, 90KVA.

(2) Job set-up

(a) Install the lining of the Captain and First Officer consoles 101VU and 700VU in zones 211 and 212, the mask boxes and the stowage boxes.

(b) Install the MCDU-3 (if removed), (Ref. AMM 22-82-12, P. Block 401).

(c) Install the hand mike receptacles.

(d) Install the Captain and First Officer seats (Ref. AMM 25-11-51, P. Block 401).

(3) Test**MCDU-3, if installed**

Do the MCDU-3 operational test (Ref. AMM 31-32-00, P. Block 501).

Hand mike receptacle and headset jack

Do the operational test of the hand mike receptacle and the headset jack (Ref. AMM 23-51-00, P. Block 506).

Oxygen mask and mike

Do the operational test of the oxygen mask and the mike (Ref. AMM 35-12-41, P. Block 501).

D. CLOSE-UP

(1) Make certain that the work areas are clean and clear of tools and miscellaneous items of equipment.

(2) Install the Captain and First Officer seats (Ref. AMM 25-11-51, P. Block 401).

(3) Disconnect the aircraft electrical ground connection (Ref. AMM 24-00-00, P. Block 301).



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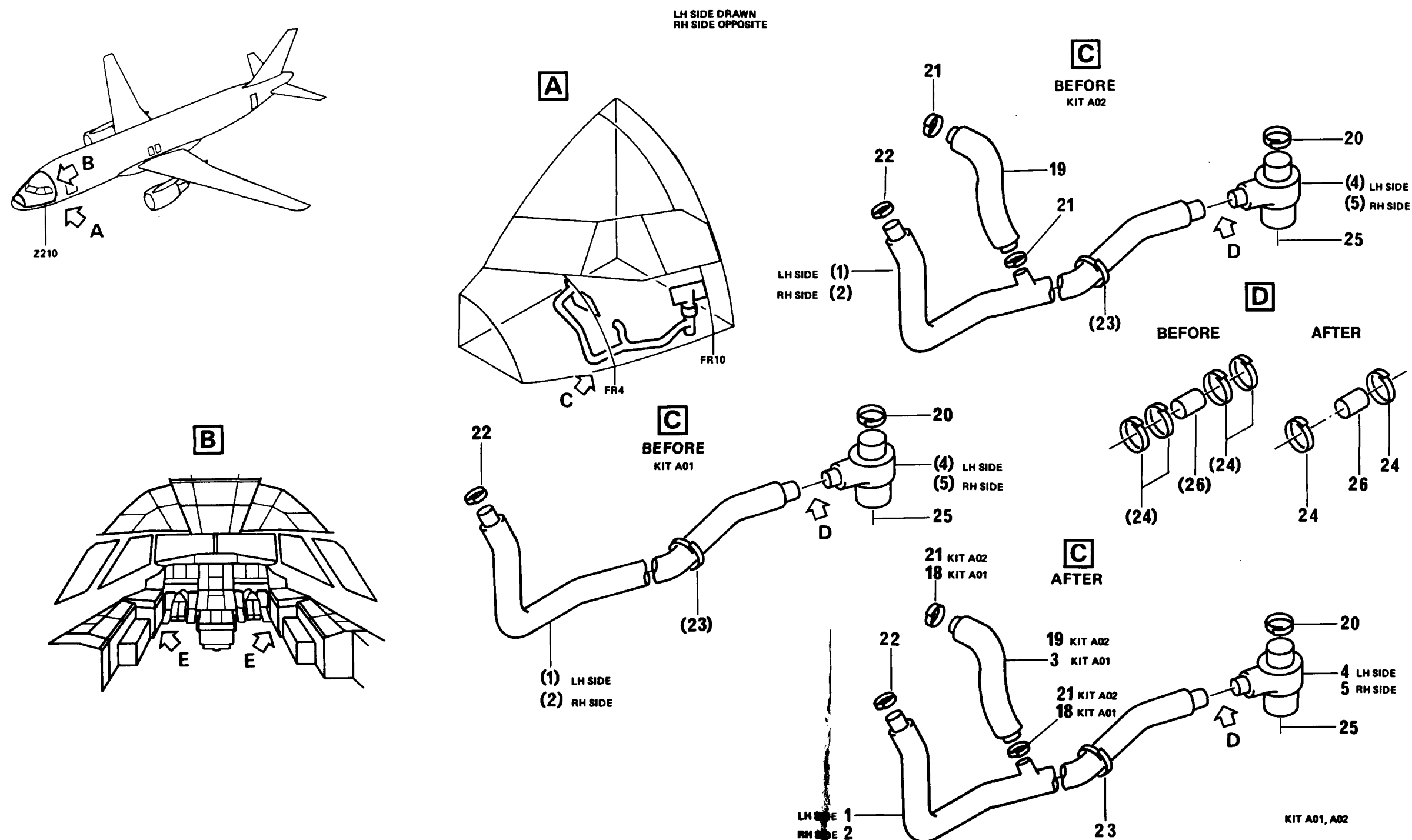
- (4) Close the forward passenger/crew door (Ref. AMM 52-10-00, P. Block 201).
- (5) Close the forward avionics compartment door (Ref. AMM 52-41-11).

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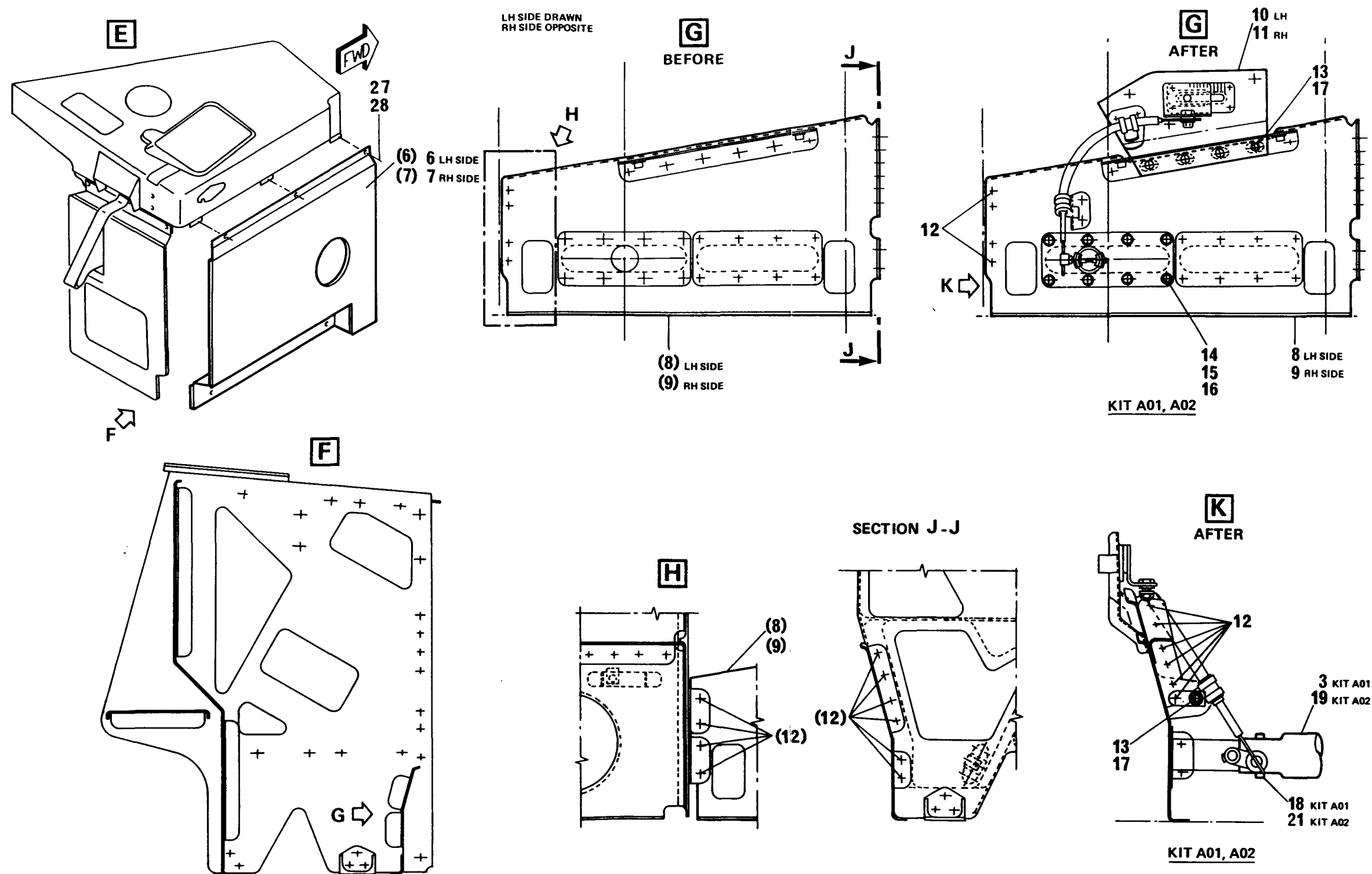
Cockpit Air Distribution Ducting Installation
Figure 1, Sheet 1 of 3

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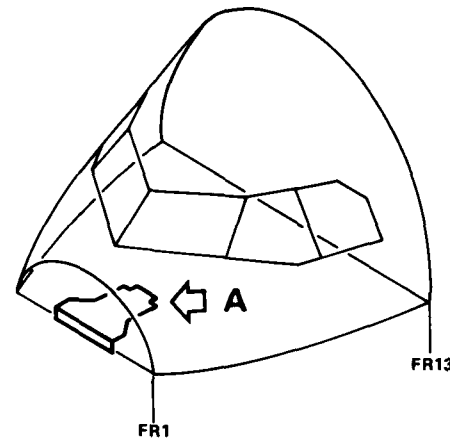
PAGE : 13-14



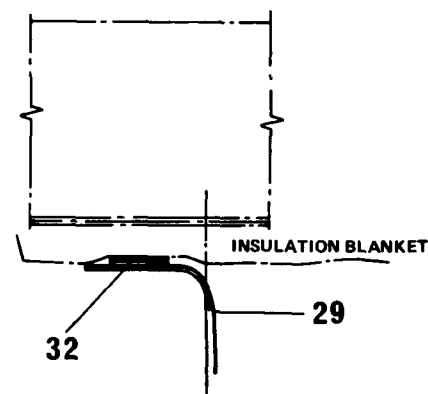
Cockpit Air Distribution Ducting Installation
Figure 1, Sheet 2

AFTER

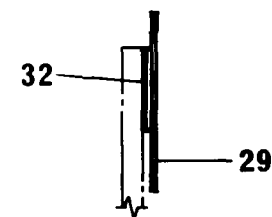
KIT A01
KIT A02



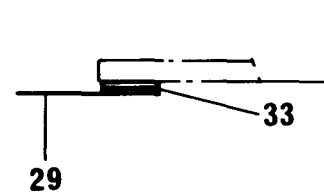
SECTION A-A



SECTION B-B



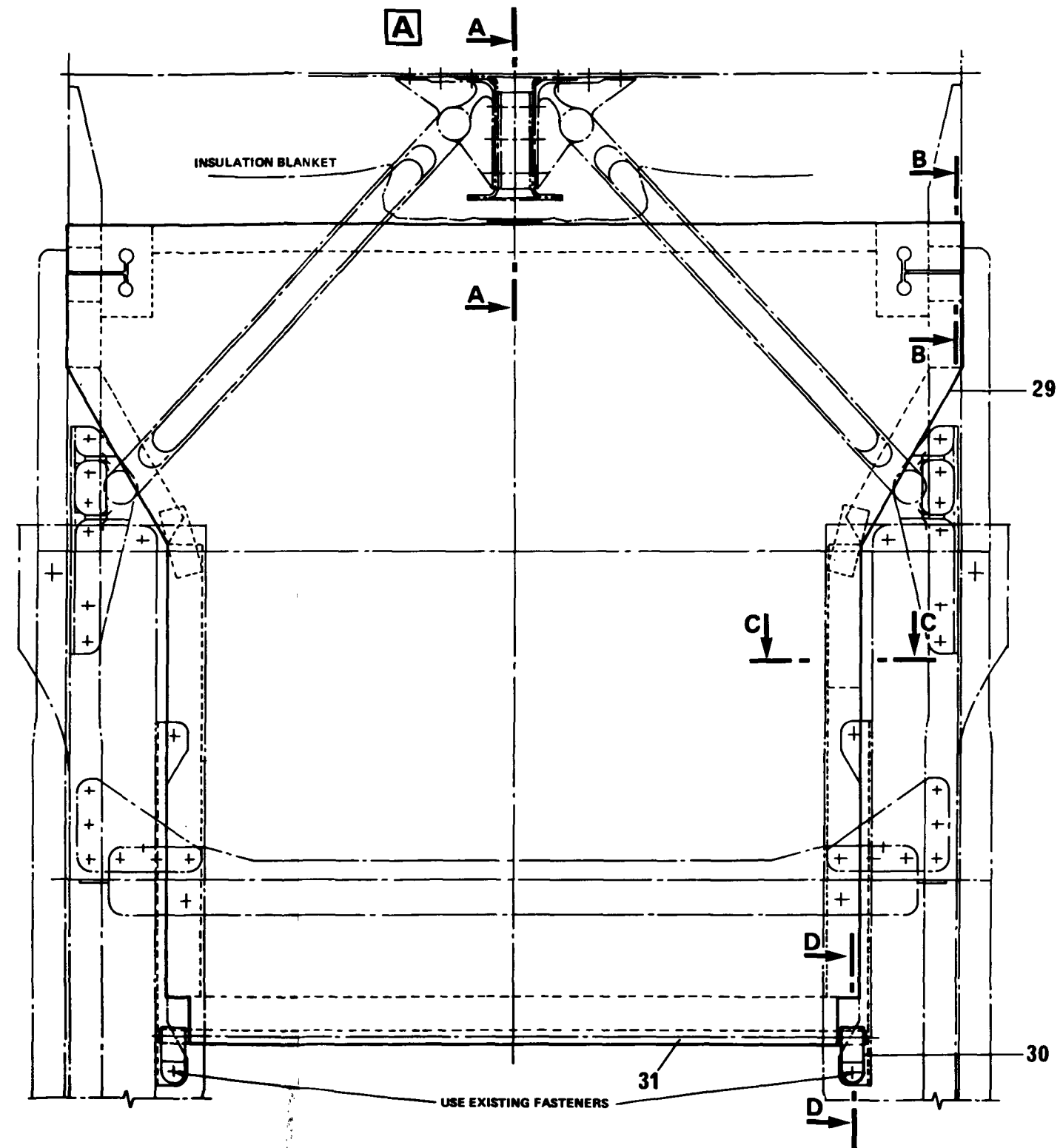
SECTION C-C



SECTION D-D



NOTE: ITEMS 32 AND 33
TO BE BONDED AT ASSEMBLY



Material-Panel Assy Installation
Figure 1, Sheet 3



SERVICE BULLETIN

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	I N S T R U C T I O N S
<u>Kit No. 211028</u>		<u>A01</u>					
1	D2121108000040	1	Duct	(1)	02121047900000		
2	D2121108000140	1	Duct	(2)	02121047900100		
3	D2101001722740	2	Duct				
4	D2121052700400	1	Duct	(4)	D2121052700000		
5	D2121052700600	1	Duct	(5)	D2121052700100		
6	D2511120500400	1	Panel assy-side	(6)	D2511120500800		
7	D2511120500500	1	Panel assy-side	(7)	D2511120500900		
8	D9251071000400	1	Web assy-front	(8)	D9251071000200		
9	D9251071000500	1	Web assy-front	(9)	D9251071000300		
10	D2121109300000	1	Adjustment system				
11	D2121109300100	1	Adjustment system				
12	ASNA2050DEJA020	24	Rivet	(12)	ASNA2050DEJA020		
13	NAS1096-3-8	10	Screw				
14	NAS1102-06-6	16	Screw				
15	MS21042-06	16	Nut				
16	AN960-6L	16	Washer				
17	AN960-10L	10	Washer				
18	NSA5528-025	4	Clamp				
23	NSA5528-070	2	Clamp				
24	NSA5522-032-052	4	Clamp				
26	A2121212520500	2	Sleeve				
29	D2121109900000	1	Material-panel assy				
30	D2121109720000	2	Clamp				
31	D2121109820000	1	Hinge				
32	D2581008120100	3	Bande velcro				
33	D2581008120300	2	Bande velcro				
<u>Kit No. 211028</u>		<u>A02</u>					
1	D2121108000040	1	Duct	(1)	02121047900A00		
2	D2121108000140	1	Duct	(2)	02121047900500		
4	D2121052700400	1	Duct	(4)	D2121052700000		
5	D2121052700600	1	Duct	(5)	D2121052700100		
6	D2511120500400	1	Panel assy-side	(6)	D2511120500800		
7	D2511120500500	1	Panel assy-side	(7)	D2511120500900		
8	D9251071000400	1	Web assy-front	(8)	D9251071000200		
9	D9251071000500	1	Web assy-front	(9)	D9251071000300		
10	D2121109300000	1	Adjustment system				

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I T E M	NEW PART No.	QTY	DESCRIPTION	I T E M	OLD PART No.	I N T	I D I S T R U C .
	<u>Kit No. 211028</u>	<u>A02</u>					
11	D2121109300100	1	Adjustment system				
12	ASNA2050DEJ4020	24	Rivet	(12)	ASNA2050DEJ4020		
13	NAS1096-3-8	10	Screw				
14	NAS1102-06-6	16	Screw				
15	MS21042-06	16	Nut				
16	AN960-6L	16	Washer				
17	AN960-10L	10	Washer				
23	NSA5528-070	2	Clamp				
24	NSA5522-032-052	4	Clamp				
26	A2121212520500	2	Sleeve				
29	D2121109900000	1	Material-panel assy				
30	D2121109720000	2	Clamp				
31	D2121109820000	1	Hinge				
32	D2581008120100	3	Bande velcro				
33	D2581008120300	2	Bande velcro				

B. SPECIAL TOOLS

None.

C. LIST OF MATERIALS - OPERATOR SUPPLIED

DESCRIPTION	REFERENCE CML	QTY PER A/C
-------------	------------------	-------------

Polyurethane primer	Mat. No. 16-001	As required
Coating elastomeric (Dark blue, satin finish)	Mat. No. 16-007	As required

Pyrolac NC-4

AddressAKZO
164 Rue Ambroise Croizat
93204 ST DENIS CEDEX 1**D. PARTS TO BE RE-IDENTIFIED BY OPERATOR**

None.

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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. 20752P1057

ATA SYSTEM : 21

TITLE : AIR CONDITIONING - COCKPIT CLIMATIZATION THERMAL CONFORT
IMPROVEMENT.

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
PRODUCT SUPPORT DIRECTORATE
1 Rond Point Maurice BELLONTE
31707 BLAGNAC CEDEX FRANCE

Att. : AI/SP - Technical Publications
Department

5 DATE : Jul 31/90

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