

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. A320-21-1030 REV. 1

DATED : Nov 09/90

MOD. No. 21865P1803

TITLE : AIR CONDITIONING - AVIONICS COOLING - IMPROVE EFFICIENCY OF  
WATER DUST STOPPAGE.

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

Page 8, Para. Modification 2.B.(1)(a)

Add : NOTE : The cartridge P/N 420A200-2, compound of demister  
filter assembly, can be retained at removal and  
re-installed as per the initiative of operators.

Page 8, Para. Modification 2.B.(2)(c)

Read : Perform protective finish on tube round Item 2 using  
Mat. No. 13-002, 16-002, 16-006 (Ref. CML).

Instead of : Perform protective finish on tube round Item 2  
using Mat. No. 13-002, 16-006 (Ref. CML).

Page 8, Para. Modification 2.B.(2)(d)

Add : NOTE : The cartridge P/N 420A200-2 retained at removal can  
be re-installed instead of the cartridge  
P/N 420A200-2 delivered with the new demister  
filter assembly.

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. : A320-21-1030

5 DATE : Feb 27/91

CHANGE NOTICE No. : 1.A.

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SERVICE BULLETIN

REVISION TRANSMITTAL SHEET

MODIFICATION No. 21865P1803

ATA SYSTEM : 21

TITLE : AIR CONDITIONING - AVIONICS COOLING - IMPROVE EFFICIENCY OF WATER  
DUST STOPPAGE.

This page transmits Revision No. 2 of Service Bulletin A320-21-1030.  
No additional work is required by this Revision.

REASON

This Revision is issued to incorporate Change Notice 1.A. dated  
Feb 27/91 and to add a technical information.

SERVICE BULLETIN SUMMARY

Page 2 - Para. EFFECTIVITY modified.

SERVICE BULLETIN

Page 1 of 26, 2 and 3 - Para. 1.A.(2) modified.  
Page 8 - Para. 2.B.(2)(a) modified.  
Page 8 - Para. 2.B.(2)(c) modified.  
Page 9 - Para. 2.B.(2)(d) modified.

FILING INSTRUCTIONS

Replace pages SUMMARY 1 of 3 and 2  
SERVICE BULLETIN 1 of 26, 2, 3, 8, 9.

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

REVISION SEQUENCES

ORIGINAL : Jul 31/90

REVISION No. : 1 - Nov 09/90  
REVISION No. : 2 - Jun 03/91

5 DATE : Jul 31/90

SERVICE BULLETIN No. : A320-21-1030

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

MODIFICATION No. 21865P1803

ATA SYSTEM : 21

TITLE : AIR CONDITIONING - AVIONICS COOLING - IMPROVE EFFICIENCY OF WATER DUST STOPPAGE.

REASON/DESCRIPTION/OPERATIONAL CONSEQUENCES

This Service Bulletin is published to advise operators of all A320 aircraft concerned of the issue of LE BOZEC ET GAUTIER Service Bulletin No. 34800A200-2-21-01.

The reason of this Service Bulletin is to improve water extraction efficiency during heavy rain conditions and to increase the life of the demister filter assembly.

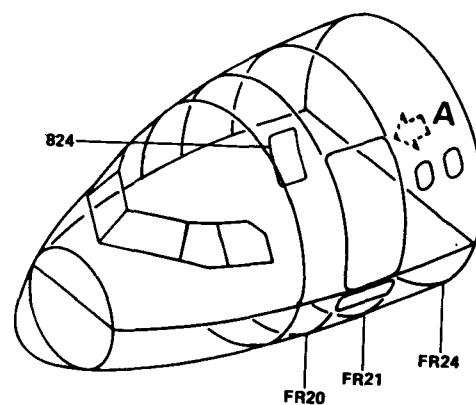
This Service Bulletin proposes the replacement of the filter assembly (demister stage and dust separator cartridge) by a new one fully interchangeable and to modify drain system.

Accomplishment of this Service Bulletin prevents water ingress into avionics ventilation ducting during heavy rain conditions.

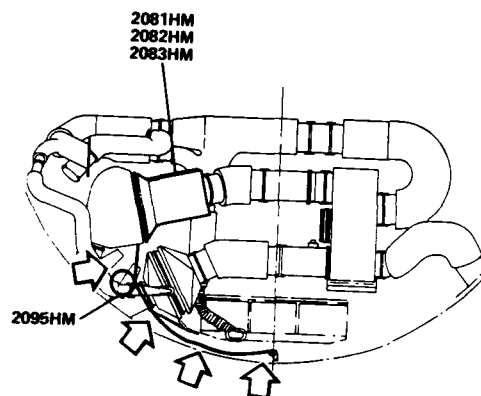
This modification consists in :

In avionics compartment, in zone 127-128 between FR20 to FR24

(1) Gaining access to the working area.



**A**



NSB 211030 SU 00d

## SERVICE BULLETIN SUMMARY

- (2) Replacing the demister filter assembly by a new modified as per instructions given in LE BOZEC ET GAUTIER Service Bulletin No. 34800A200-2-21-01.
- (3) Installing the new drain system of this filter.
- (4) Test.
- (5) Close-up.

EFFECTIVITY

This Service Bulletin is applicable to the following operators :

AAA, ACA, ADR, AFR, AMC, ANA, BAW, BV, CDN, CYP, DLH, HP, IAC, IBE, ITF, MSR, NWA, OYC, RJA, TAR, XP, XZ.

This modification is embodied prior to delivery on A/C MSN 188 and subsequent.

SERVICE BULLETIN/MODIFICATION TO BE ACCOMPLISHED PREVIOUSLY OR SIMULTANEOUSLY

None.

REFERENCES/REPERCUSSIONS

TFU	21-26-43-01 21-26-43-02	LIFE LIMIT	None
		LINE MAINTENANCE AFFECTED	None
OEB	66/1 Cancelled	OTHERS	None
AOT	None		
SIL	21-028		



## SERVICE BULLETIN SUMMARY

### NATURE OF THE MODIFICATION

AIRCRAFT	YES
EQUIPMENT	NO
HARD	NO
SOFT	NO
OBRM	NO

### COMPLIANCE

Desirable.

### MANPOWER

Manhours	10.5
Elapsed Time (Hours)	6

### MATERIAL INFORMATION

#### Aircraft Data

Quantity per A/C :

7 bracket assemblies, 1 hose, 1 tube round  
1 demister filter assembly equiped of tube assembly.

#### Equipment Data

None.

### APPENDICES

None.

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# SERVICE BULLETIN

MODIFICATION No. 21865P1803

ATA SYSTEM : 21

TITLE : AIR CONDITIONING - AVIONICS COOLING - IMPROVE EFFICIENCY OF WATER  
 DUST STOPPAGE.

## 1. PLANNING INFORMATION

### A. EFFECTIVITY

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

(2) Aircraft

Customer and Fleet No.	MSN	Kit No. 211030	Qty of Kits
AAA001-006	022,023,024,025,026,027	A01	06
AAA007-011	029,030,140,142,157	A01	05
ACA201-206	059,068,073,084,122,126	A01	06
ACA207-212	127,141,149,150,154,159	A01	06
ACA213	183	A01	01
ADR001-003	043,113,114	A01	03
AFR001,002	005,007	A01	02
AFR004-008	014,019,020,021,002	A01	05
AFR031-036	061,062,063,100,101,102	A01	06
AFR037-041	128,129,133,186,187	A01	05
AMC001	112	A01	01
ANA001-006	138,139,148,151,167,170	A01	06
BAW001-006	006,008,011,017,018,039	A01	06
BAW007-010	042,103,109,120	A01	04
BV051	185	A01	01
CDN401,402	174,175	A01	02

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## SERVICE BULLETIN

Customer and Fleet No.	MSN	Kit No. 211030	Qty of Kits
CYP001-005	028,035,037,038,180	A01	05
DLH001-006	069,070,071,072,078,083	A01	06
DLH007-012	086,093,094,104,105,110	A01	06
DLH013-018	111,116,117,135,137,147	A01	06
DLH019-021	161,162,172	A01	03
HP620-626	052,053,054,055,064,065	A01	06
HP627-629	066,067,076	A01	03
HP631-636	077,081,082,091,092,098	A01	06
HP637	099	A01	01
IAC001-006	045,046,047,048,049,050	A01	06
IAC007-012	051,056,057,058,074,075	A01	06
IAC014-019	080,089,090,095,096,097	A01	06
IBE001-006	134,136,143,146,158,173	A01	06
IBE007,008	176,177	A01	02
ITF001-006	010,012,013,015,016,033	A01	06
ITF007-012	036,044,004,003,108,115	A01	06
ITF013-016	130,155,156,184	A01	04
MSR001-003	165,166,178	A01	03
NWA301-306	031,032,034,040,041,060	A01	06
NWA307-312	106,107,118,121,125,152	A01	06
NWA313-315	153,160,171	A01	03
OYC001-005	163,164,168,169,179	A01	05
RJA001-005	087,088,123,181,182	A01	05
TAR001,002	119,124	A01	02

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**SERVICE BULLETIN**

Customer and Fleet No.	MSN	Kit No. 211030	Qty of Kits
XP001	085	A01	01
XZ001,002	131,132	A01	02
XZ201,202	144,145	A01	02

This modification is embodied prior to delivery on A/C MSN 188 and subsequent.

(3) Spares

1 demister filter assembly (2080HM) 34800A200-1.

**B. REASON**

This Service Bulletin is published to advise operators of all A320 aircraft concerned of the issue of LE BOZEC ET GAUTIER Service Bulletin No. 34800A200-2-21-01.

(1) History

The reason of this Service Bulletin is to improve water extraction efficiency during heavy rain conditions and to increase the life of the demister filter assembly.

(2) Objective/Action

This Service Bulletin proposes to replace the filter assembly (demister stage and dust separator cartridge) by a new one fully interchangeable and to modify drain system.

(3) Advantages

To prevent water ingress into avionics ventilation ducting during heavy rain conditions.

(4) Accomplishment Timescale

In accordance with operator experience.



## SERVICE BULLETIN

**C. DESCRIPTION**

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

In avionics compartment, zone 127-128 between FR20 and FR24

- (1) Gaining access to the working area.
- (2) Replacing the demister filter assembly by a new modified as per instructions given in LE BOZEC ET GAUTIER Service Bulletin No. 34800A200-2-21-01.
- (3) Installing the new drain system of this filter.
- (4) Test.
- (5) 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
Removal/Installation of demister filter assembly	1
Installation of the new drain system	7
Test	0.5
Close-up	1
	<hr/>
TOTAL MANHOURS	10.5
ELAPSED TIME (HOURS)	6

**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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## SERVICE BULLETIN

### 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

#### (2) Cost and availability

Kit No.	Cost (US Dollars)	Availability *
211030A01	Free of charge	

\* 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.

(3) Terms of procurement for demister filter assembly should be negotiated directly with LE BOZEC ET GAUTIER as per instructions given in Service Bulletin No. 34800A200-2-21-01.

### G. TOOLING - PRICE AND AVAILABILITY

None.

### H. WEIGHT AND BALANCE

MEW : + 0.227 Kg (+ 0.500 lb)

Effect on balance : + 1.925 m.Kgm (+ 13.923 lb.ft.)

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## SERVICE BULLETIN

### I. REFERENCES

Aircraft Maintenance Manual : 06-41-53, 12-34-24, 20-21-11, 21-26-00,  
21-26-43, 24-41-00, 51-23-11

Consumable Material List

LE BOZEC ET GAUTIER Service Bulletin No. 34800A200-2-21-01.

### J. PUBLICATIONS AFFECTED

Illustrated Parts Catalog : 21-26-01

Aircraft Maintenance Manual : 21-26-00, 21-26-41, 21-26-43, 21-26-44,  
21-26-45

Structural Repair Manual : 53-11-29.

**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) Position access platforms.
- (c) Open access doors 824 (Ref. AMM 06-41-53).
- (d) Remove access panels 127DF, 127CF, 127BF, 128CF (Ref. AMM 06-41-53).
- (e) Open, safety and tag the following circuit breakers :

PANEL	SERVICE	IDENT.	LOCATION
49VU	AIR COND/AVNCS VENT/CTL	5HQ	D07
49VU	AIR COND/AVNCS VENT/CTL	6HQ	D06
122VU	AIR COND/AVNCS/VENT/MONG	3HQ	Y17
123VU	AVNCS VENT/BLOWER/FAN	1HQ	AD10
123VU	AVNCS VENT/EXTC/FAN	2HQ	AE02

**(2) Standard procedures**

- (a) To clean surfaces using Mat. No. 11-003 (Ref. CML).
- (b) To apply Mat. No. 09-013 (Ref. CML) to interfaces of structure.
- (c) To shorten standard rivet as required.
- (d) To renew protective finish (Ref. AMM 51-23-11) with Mat. No. 16-002, 16-006 (Ref. CML).
- (e) To torque threaded components (Ref. AMM 20-21-11).

**B. MODIFICATION**

(1) In avionics compartment, in zone 127-128 at FR21

Removal of demister filter assembly (2080HM) with its drain system

Refer to Figure 1, Sheet 1 of 2

(a) Remove (Ref. AMM 21-26-43, P. Block 401) :

1 demister filter assembly (2080HM) Item (13)

NOTE : The cartridge P/N 420A200-2, part of demister filter assembly, can be retained at removal and re-installed upon request from operators.

(b) On rod Item 15 of demister filter assembly, remove :

1 placard identified 2080HM filter demister (View G).

(c) Remove drain assembly :

2 screws	Item (16) (discard)
2 washers	Item (17) (discard)
2 clamps	Item (18) (discard)
2 supports	Item (19) (discard)
2 clamps	Item (20) (discard)
1 te	Item (21) (discard)
1 hose	Item (22) (discard)
1 hose	Item 23 (retain)
1 hose	Item 24 (retain)
2 clamps	Item 20 (retain)

NOTE : The removed clamps Item 20 will be re-used for installation of the hoses.

(2) In avionics compartment, in zone 127-128 at frame 21

Installation of new demister filter assembly with its drain

Refer to Figure 1, Sheet 2, View X

(a) On hoses Item 23 and Item 24, install :

1 round tube ASNA30951636 Item 2

(b) Attach with :

2 clamps Item 20  
(retained at removal)

(c) Perform protective finish on round tube Item 2 using Mat. No. 13-002, 16-002, 16-006 (Ref. CML).

(d) Install (Ref. AMM 21-26-43, P. Block 401) :

1 demister filter	34800A200-2	Item 13
1 tube assembly	SF0090	Item 14

modified as per LE BOZEC ET GAUTIER Service Bulletin No. 34800A200-2-21-01.

NOTE : The cartridge P/N 420A200-2 retained at removal can be re-installed instead of the cartridge P/N 420A200-2 delivered with the new demister filter assembly.

(e) On Item 13, install :

1 placard identified 2081HM demister	(View C)
1 placard identified 2082HM cartridge	(View D)
1 placard identified 2083HM housing	(View E)
1 placard identified 2095HM tube assembly	(View F)

NOTE : Placards are supplied in placard set D9100095003596.

(3) Installation of the new drain system on new demister filter assembly

Refer to Figure 2, Sheets 1 of 4, 2, 3, 4

(a) Install brackets with hose between frame 21 to frame 24, left side.

1 On stringer 39, Ref. Fig. 2, Sheets 1 of 4 and 2 (Section C.C)

Respecting the required dimensions, position, match drill holes between 3.2 mm (0.126 in.) min. and 3.3 mm (0.130 in.) max. in accordance with :

1 bracket assembly	D5391542900000	Item 3
--------------------	----------------	--------

Clean drilled area.

Apply Mat. No. 09-013 (Ref. CML) and secure bracket assembly Item 3 with :

**SERVICE BULLETIN****2 On web of stringer 39A, Ref. Fig. 2, Sheets 1 of 4 and 2  
(Section D.D)**

Respecting the required dimensions, position, match drill  
holes between 3.2 mm (0.126 in.) min. and 3.3 mm (0.130 in.)  
max. in accordance with :

1 bracket assembly    D5391543000000    Item 4

Clean drilled area.

Apply Mat. No. 09-013 (Ref. CML) and secure bracket assembly  
Item 4 with :

2 rivets                    ASNA2050DCJ3212    Item 12

Renew protective finish using Mat. No. 16-002, 16-006  
(Ref. CML).

**3 On web of stringer 41, Ref. Fig. 2, Sheets 1 of 4 and 3  
(Section E.E)**

Respecting the required dimensions, position, match drill  
holes between 3.2 mm (0.126 in.) min. and 3.3 mm (0.130 in.)  
max. in accordance with :

1 bracket assembly    D5391543000000    Item 4

Clean drilled area.

Apply Mat. No. 09-013 (Ref. CML) and secure bracket assembly  
Item 4 with :

2 rivets                    ASNA2050DCJ3212    Item 12

Renew protective finish using Mat. No. 16-002, 16-006  
(Ref. CML).

**4 On web of stringer 41A, Ref. Fig. 2, Sheets 1 of 4 and 3  
(Section F.F)**

Respecting the required dimensions, position, match drill  
holes between 3.2 mm (0.126 in.) min. and 3.3 mm (0.130 in.)  
max. in accordance with :

1 bracket assembly    D5391543000100    Item 5

**SERVICE BULLETIN**

Clean drilled area.

Apply Mat. No. 09-013 (Ref. CML) and secure bracket assembly Item 5 with :

2 rivets                      ASNA2050DCJ3212              Item 12

Renew protective finish using Mat. No. 16-002, 16-006 (Ref. CML).

5 On center line, Ref. Fig. 2, Sheets 1 of 4 and 4

At frame 23 (Section G.G)

Respecting the required dimensions, position, match drill holes between 3.2 mm (0.126 in.) min. and 3.3 mm (0.130 in.) max. in accordance with :

1 bracket assembly    D5391543000100              Item 5

On center line (Section H.H)

Respecting the required dimensions, position, match drill holes between 3.2 mm (0.126 in.) min. and 3.3 mm (0.130 in.) max. in accordance with :

1 bracket assembly    D5391543200000              Item 7

On web of center line between FR23 to FR24 (View I)

Respecting the required dimensions, position, match drill holes between 3.2 mm (0.126 in.) min. and 3.3 mm (0.130 in.) max. in accordance with :

1 bracket assembly    D5391543100000              Item 6

Clean drilled areas.

Apply Mat. No. 09-013 (Ref. CML) and secure brackets assembly Item 5, Item 6, Item 7 with :

2 rivets                      ASNA2050DCJ3212              Item 12

Renew protective finish using Mat. No. 16-002, 16-006 (Ref. CML).



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- 6 On bracket assembly Item 3, Item 4, Item 5, Item 6, Item 7

Refer to Figure 2, Sheets 1 of 4, 2, 3, 4

Install :

1 clamp	NSA5515-17	Item 9
1 washer	MS2397-10L	Item 10
1 screw	NAS1096-3-10	Item 11

Attach :

1 hose	D2121069821900	Item 1
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Connect the hose Item 1 with the tube assembly LE BOZEC ET GAUTIER, Item 14.

Refer to Figure 2, Sheet 1 of 4, View J

Attach with :

1 clamp	ASNA0033036	Item 8
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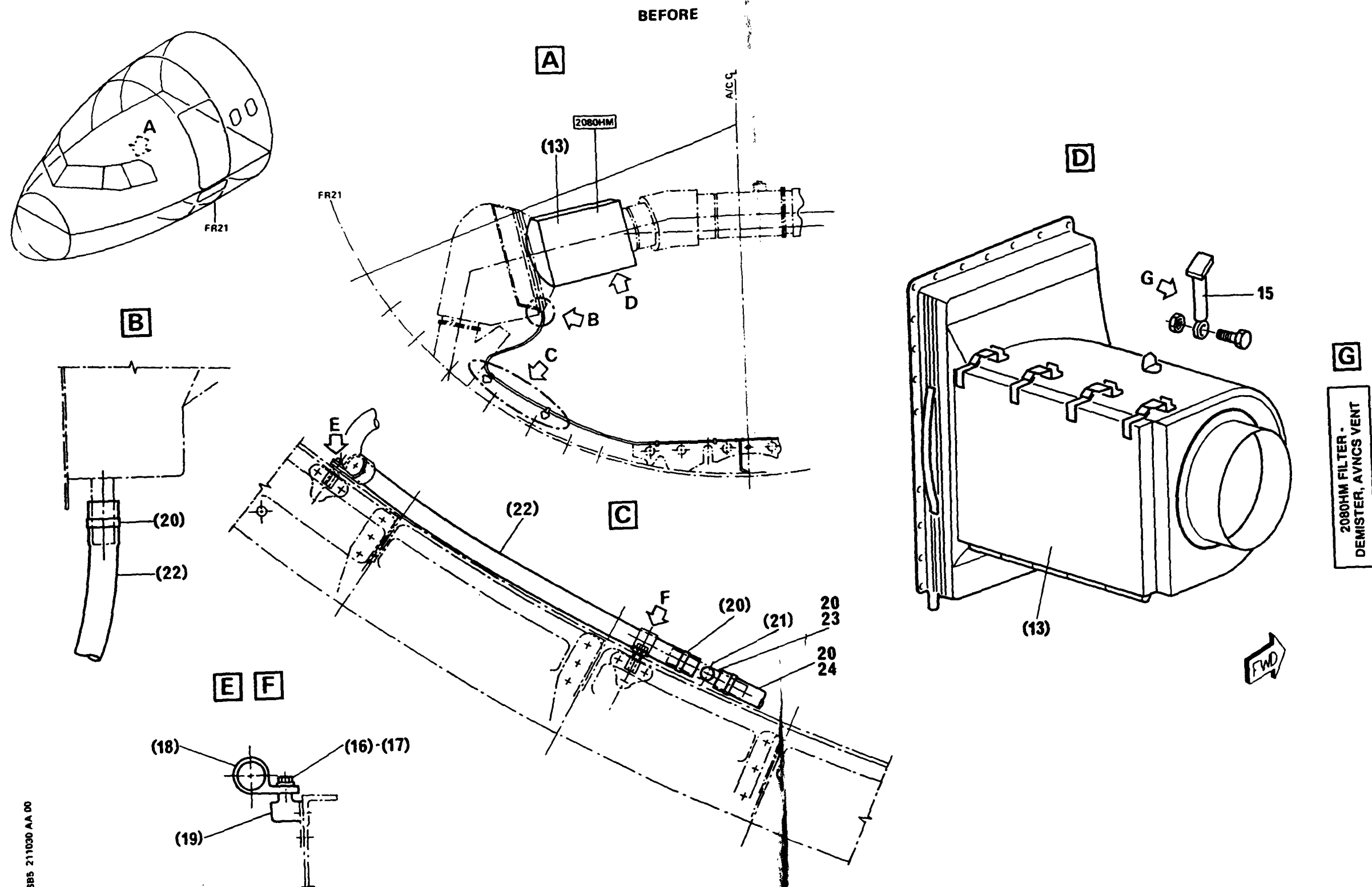
**C. TESTS**

- (1) Ventilation test

Do an operational test of the avionics ventilation (Ref. AMM 21-26-00, P. Block 501).

**D. CLOSE-UP**

- (1) Make certain that working areas are clean and clear of tools and miscellaneous items of equipment.
- (2) Install access panels 127DF, 127CF, 127BF, 128CF (Ref. AMM 06-41-53).
- (3) Close access doors 824 (Ref. AMM 06-41-53).
- (4) Remove access platforms.
- (5) Disconnect the aircraft electrical ground connection (Ref. AMM 12-34-24, P. Block 201).
- (6) Write in the applicable aircraft record that you have done all the work in this Service Bulletin.



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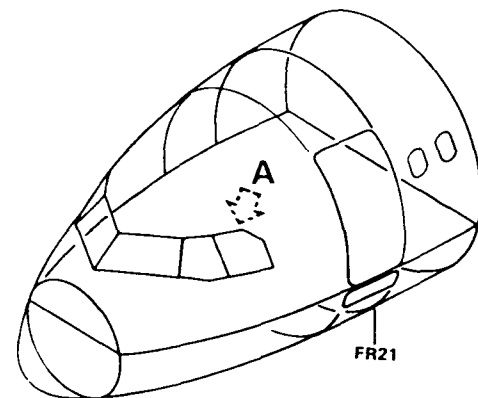
Avionics Ventilation System  
Removal of Demister Filter Assembly with its Drain System  
Figure 1, Sheet 1 of 2

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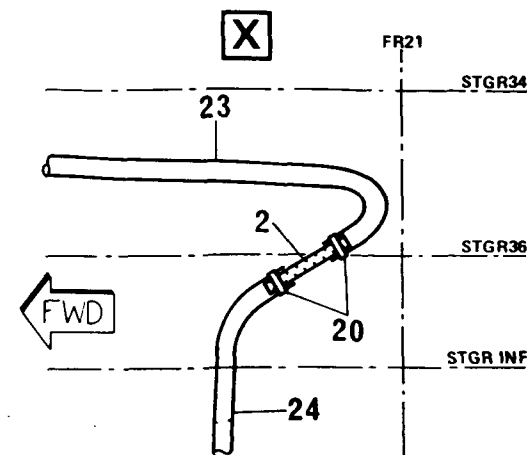
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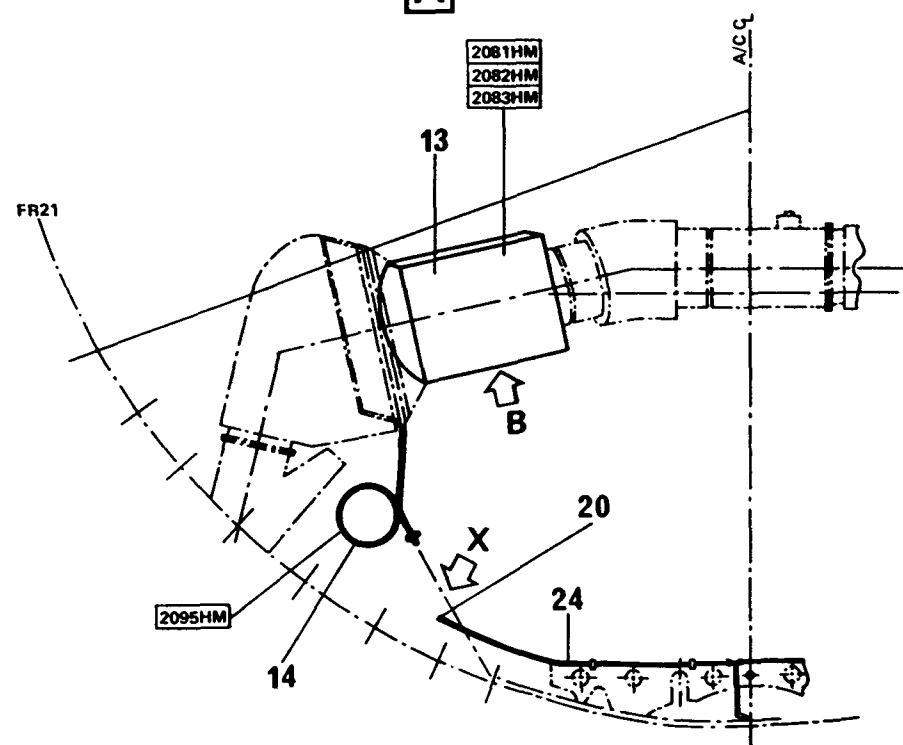


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**B**

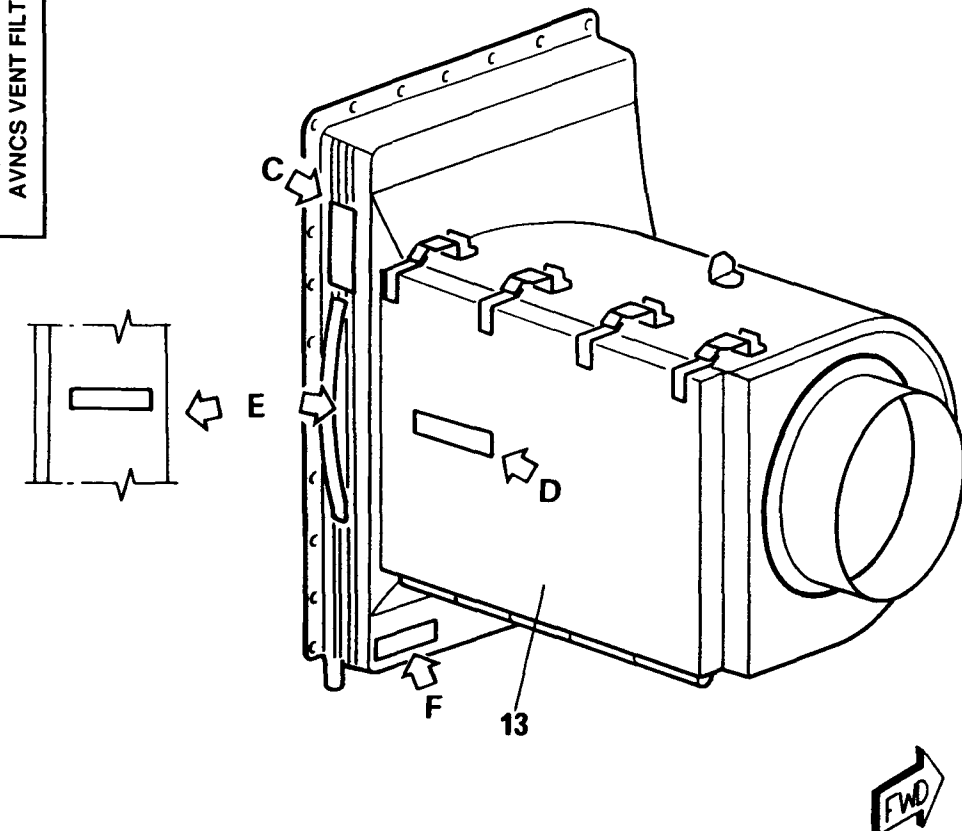


**A**



**C**

2081HM DEMINSTER  
AVNCS VENT FILTER



**D**

2082HM CARTRIDGE  
AVNCS VENT FILTER

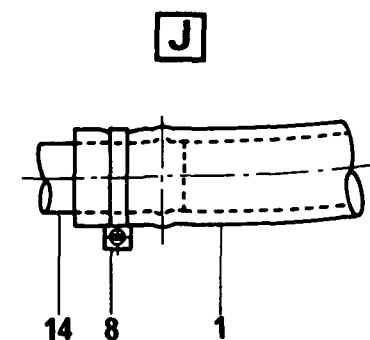
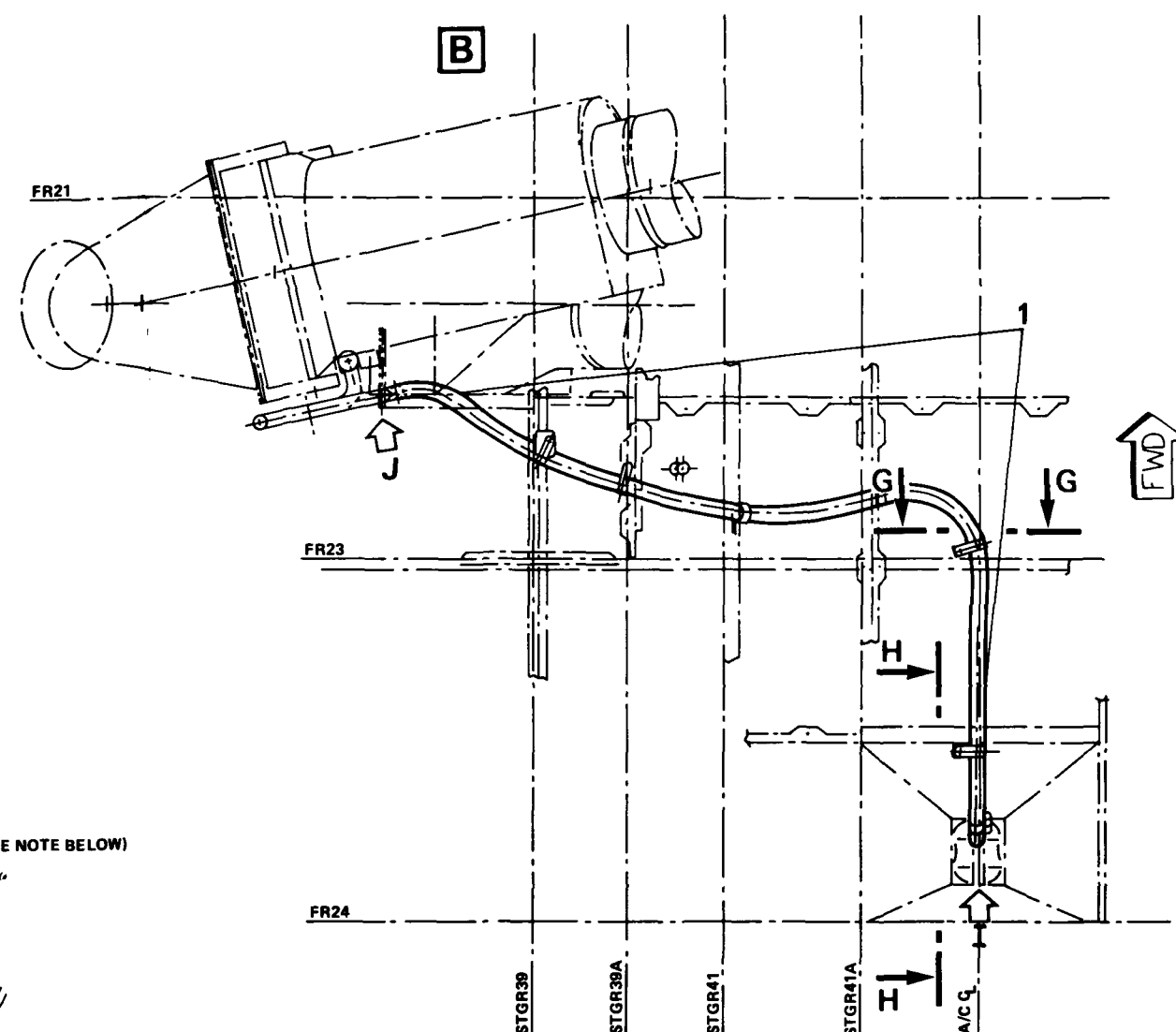
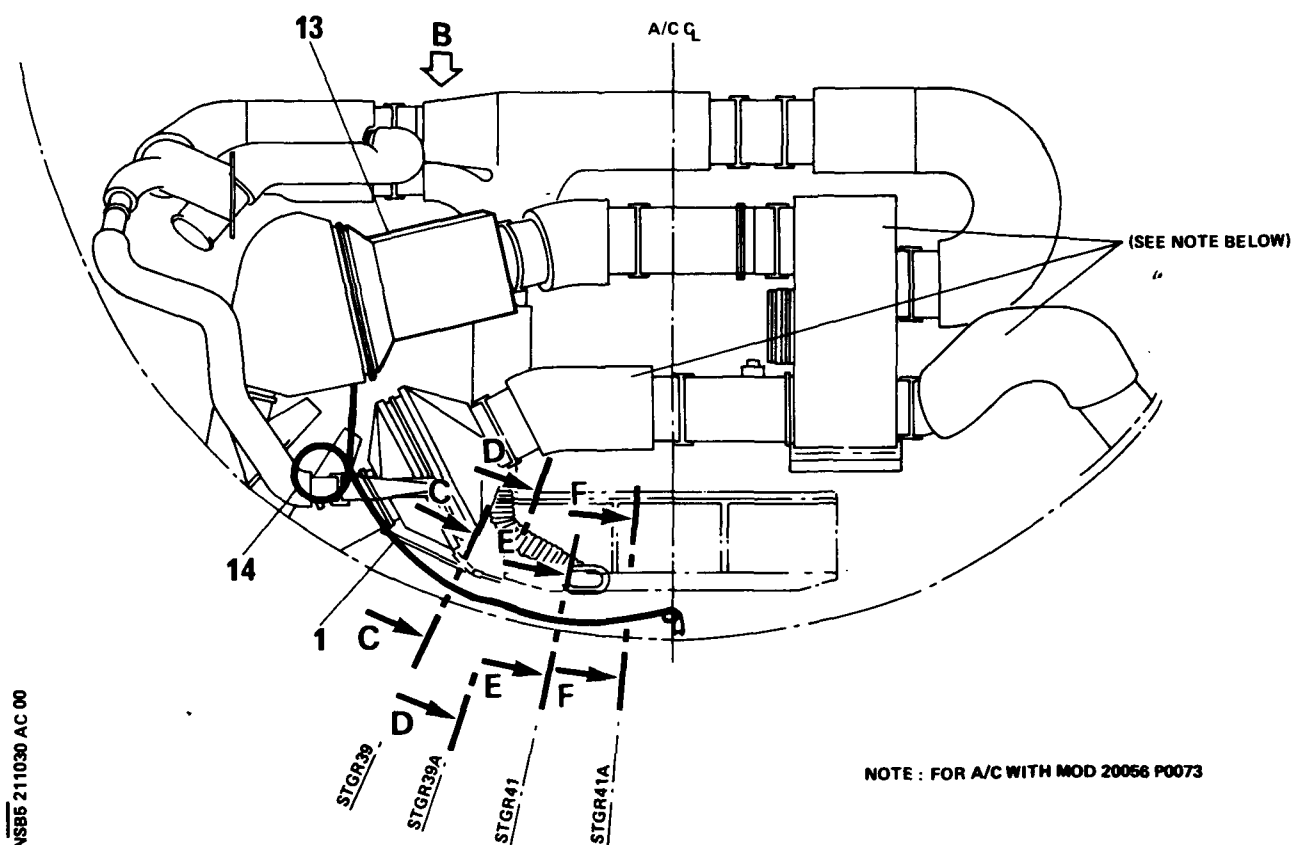
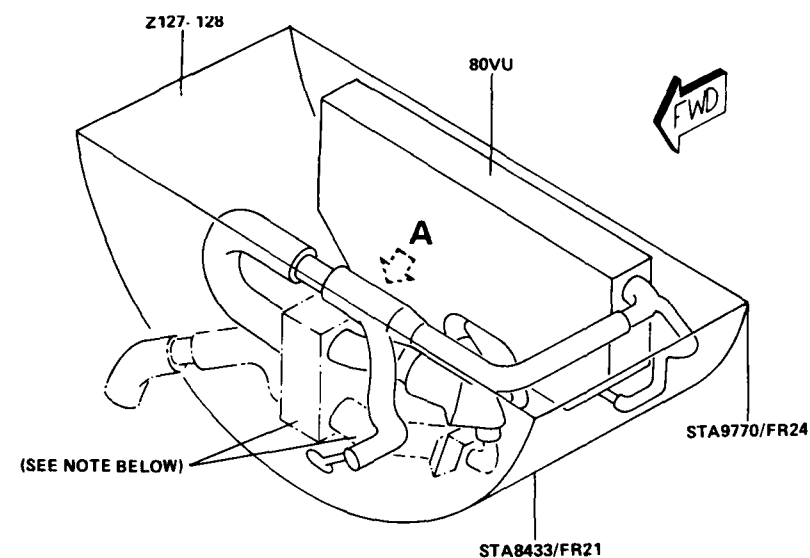
**E**

2083HM HOUSING  
AVNCS VENT FILTER

**F**

2095HM  
TUBE ASSEMBLY

Avionics Ventilation System  
Installation of Demister Filter Assembly  
Figure 1, Sheet 2



Avionics Ventilation System  
Installation of the Drain System on New Demister Filter Assembly  
Figure 2, Sheet 1 of 4

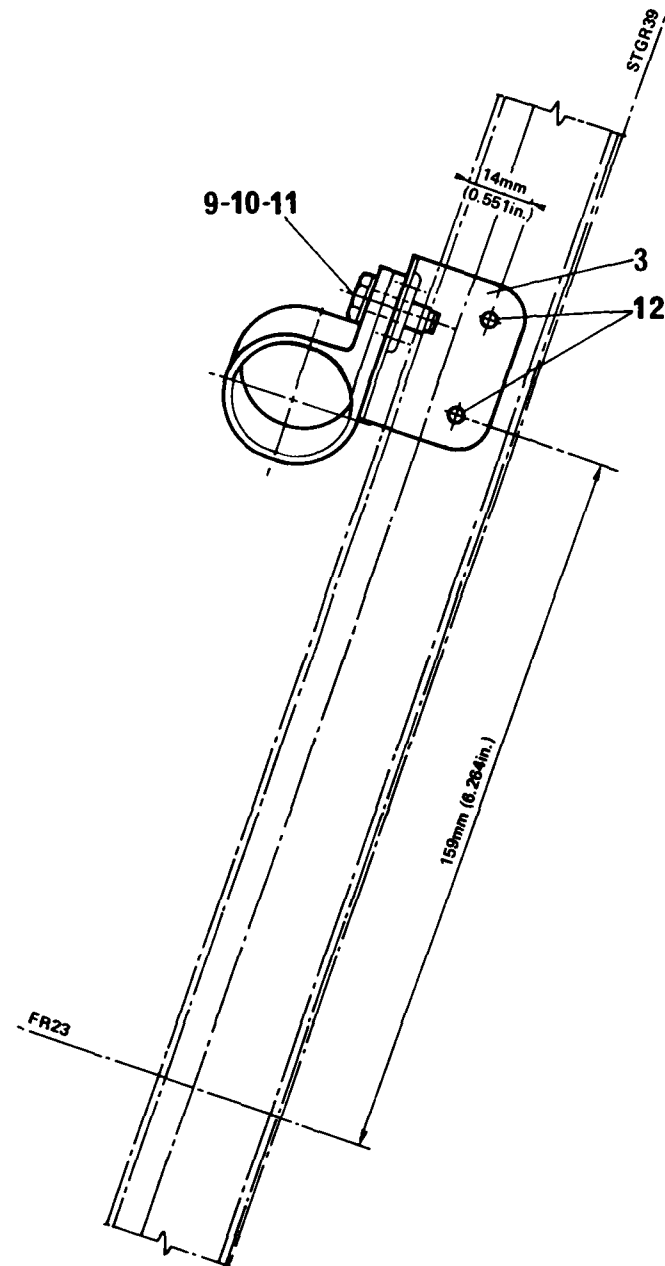
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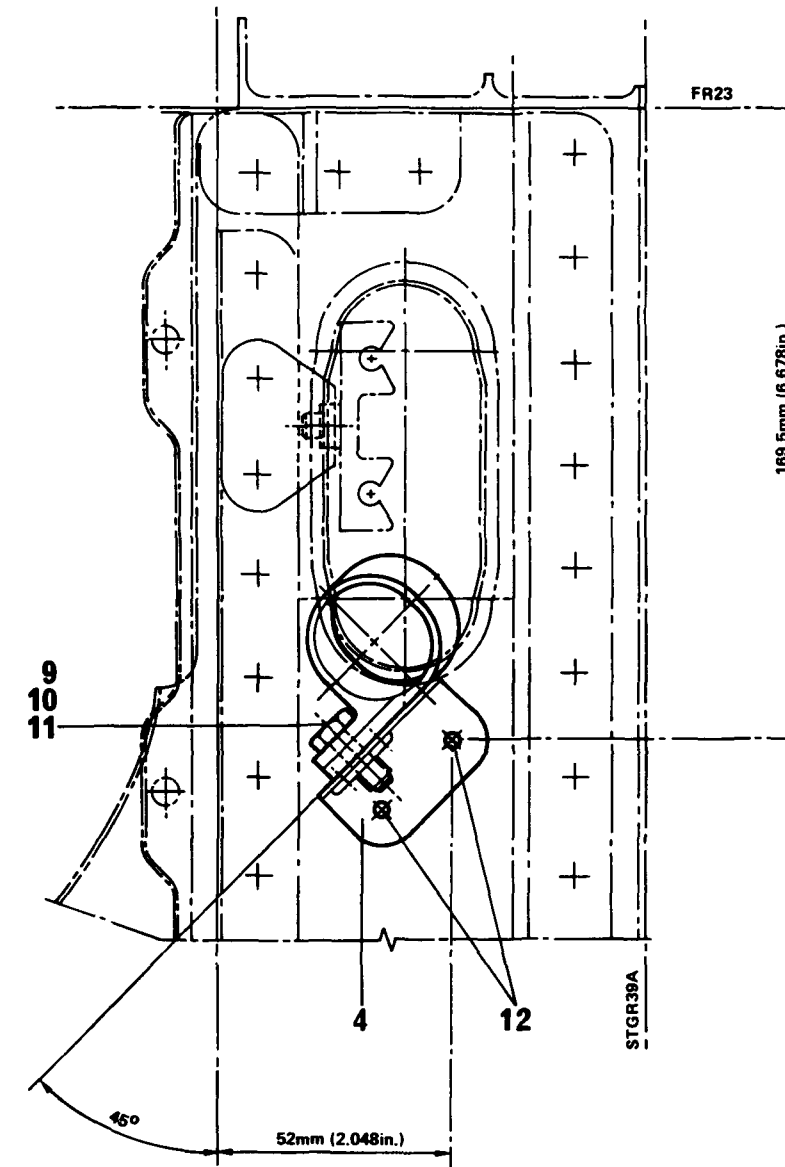
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SECTION C-C



SECTION D-D



NEW FASTENER

Avionics Ventilation System  
Installation of Brackets on Stringer 39 and on Web of Stringer 39A  
Figure 2, Sheet 2

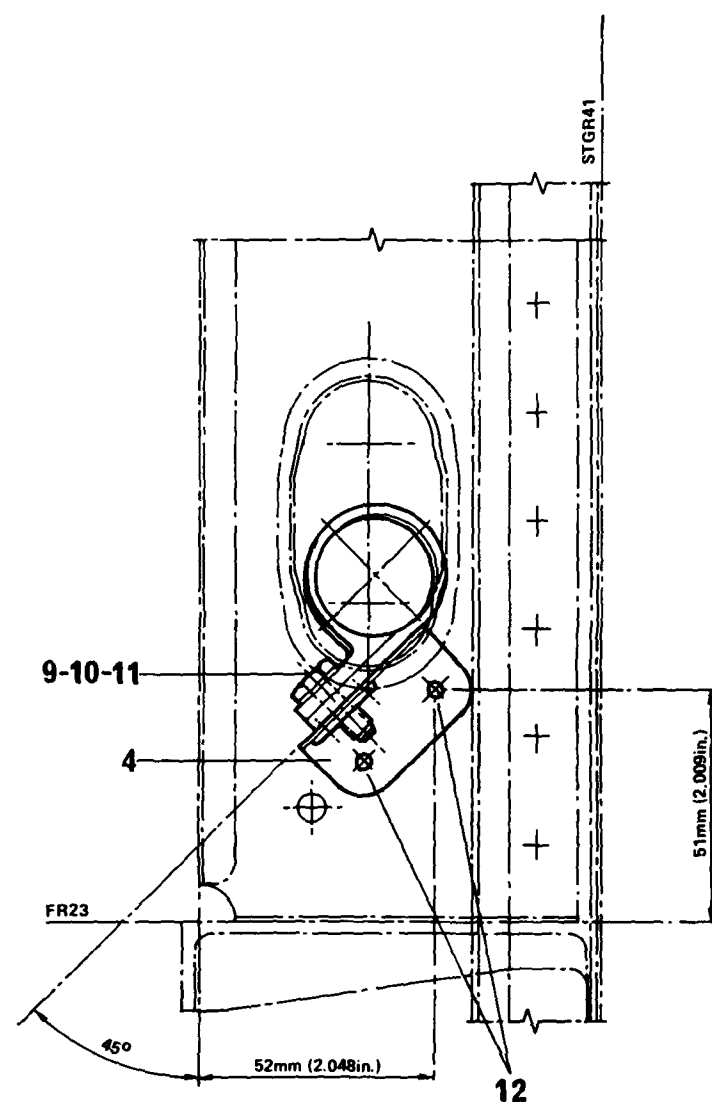
DATE : Jul 31/90

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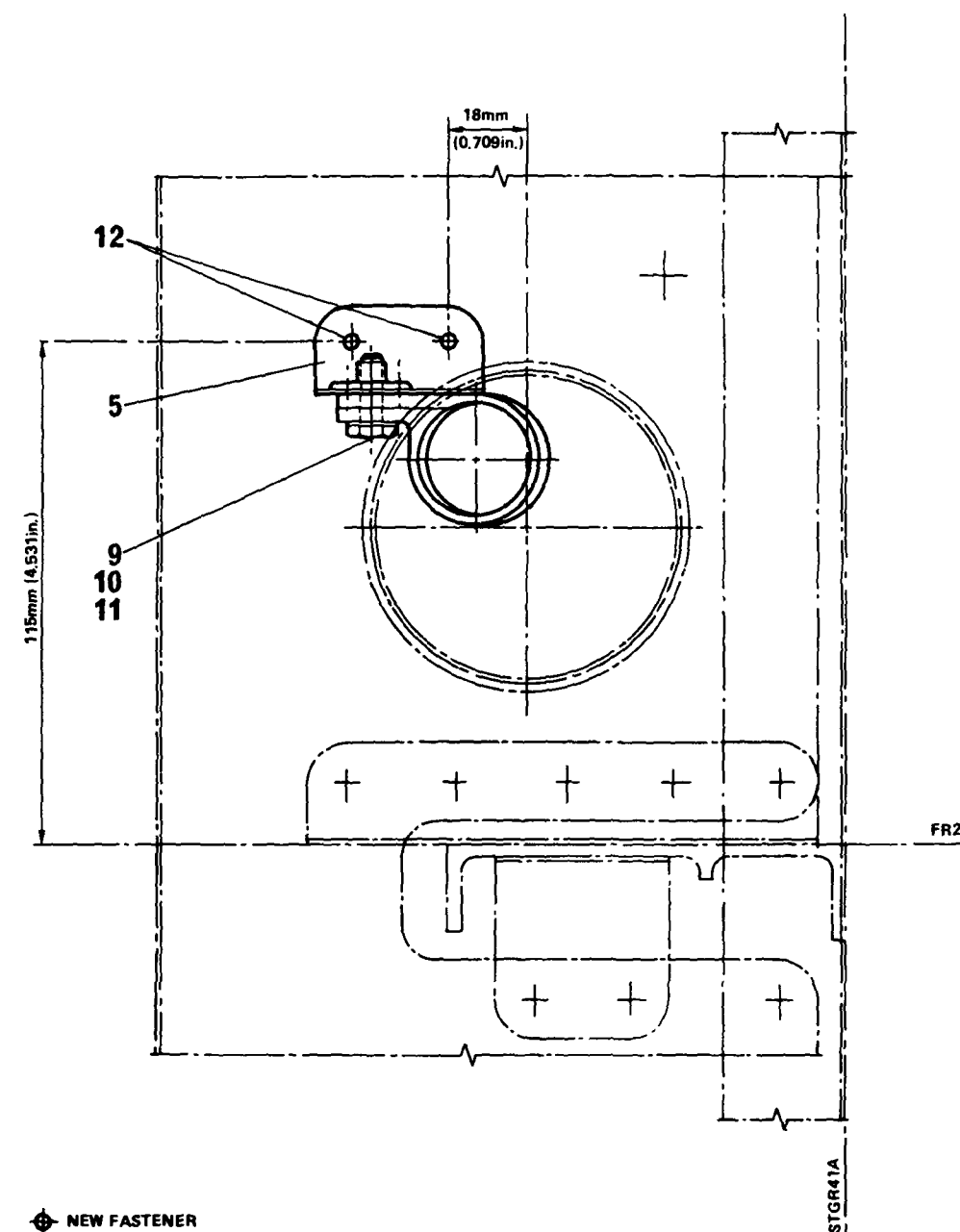
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SECTION E-E



SECTION F-F



NEW FASTENER

Avionics Ventilation System  
Installation of Brackets on Web between Stringer 41 to 41A  
Figure 2, Sheet 3

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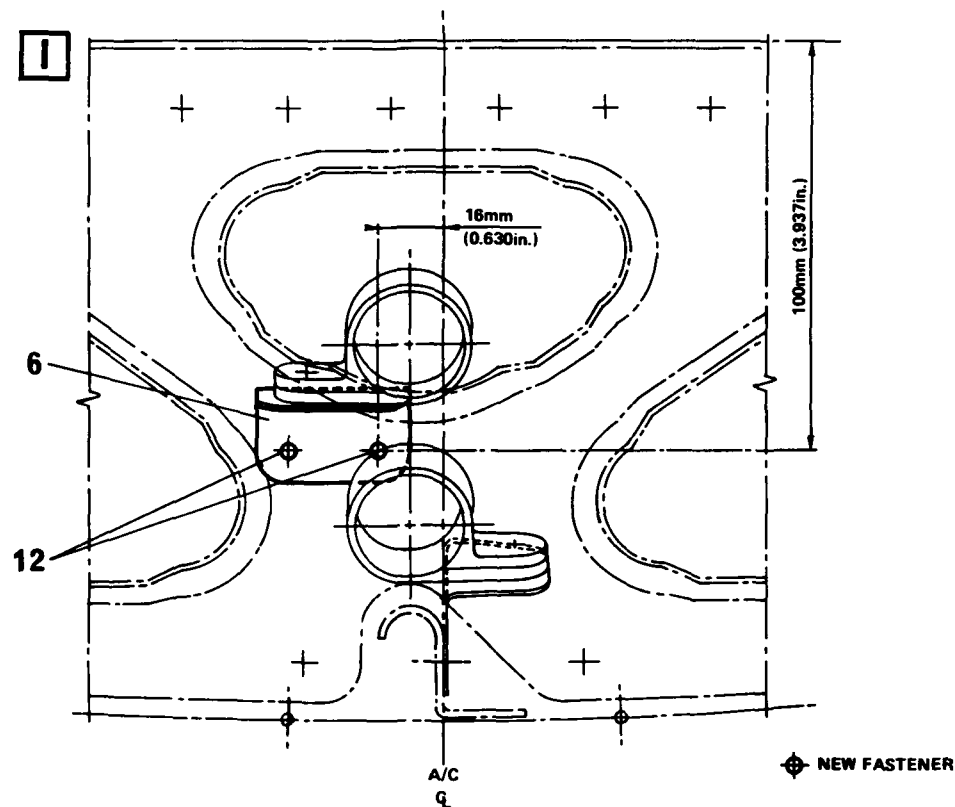
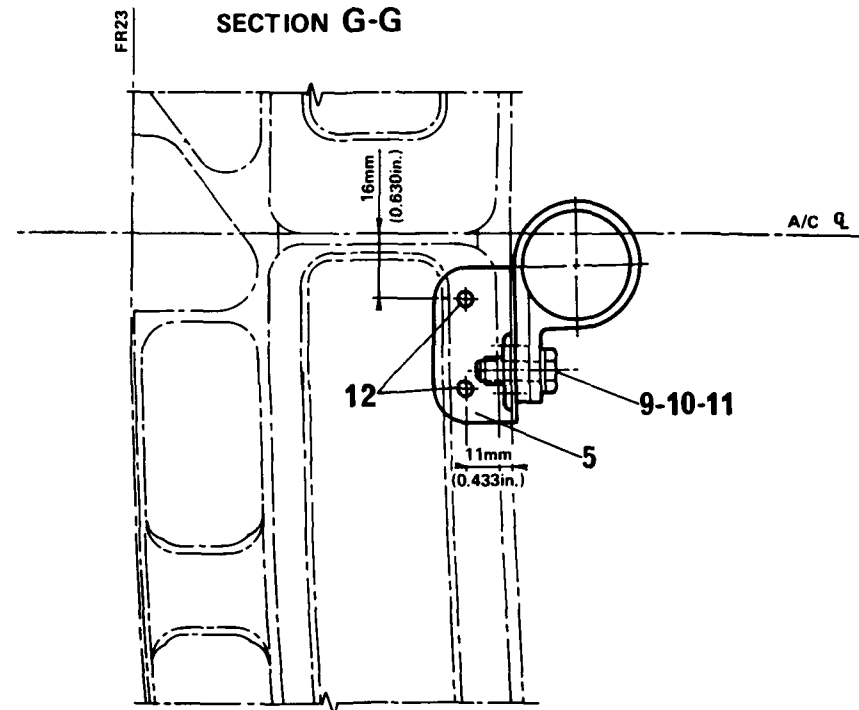
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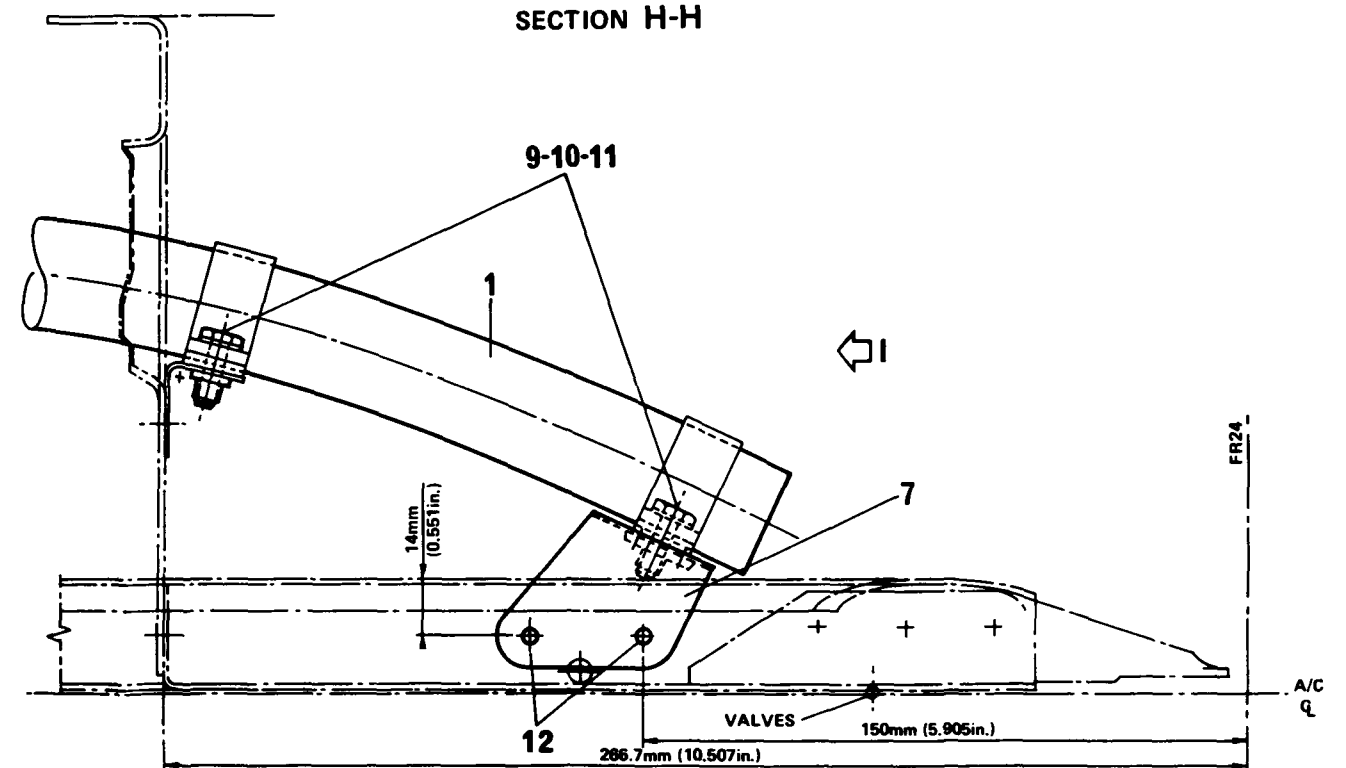
SERVICE BULLETIN

SECTION G-G



NSB5 211030 AF 00

SECTION H-H



Avionics Ventilation System  
Installation of Brackets on Center Line between Frame 23 to Frame 24  
Figure 2, Sheet 4

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## 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 D I S T R U C T I O N S
<u>Kit No. 211030</u>		<u>A01</u>					
	D9100095003596	1	Placard set				
1	D2121069821900	1	Hose				
2	ASNA30951636	1	Tube round				
	L = 500 mm (19.7 in.)						
3	D5391542900000	1	Bracket assy				
4	D5391543000000	2	Bracket assy				
5	D5391543000100	2	Bracket assy				
6	D5391543100000	1	Bracket assy				
7	D5391543200000	1	Bracket assy				
8	ASNA0033036	1	Clamp				
9	NSA5515-17	7	Clamp				
10	MS2397-10L	7	Washer				
11	NAS1096-3-10	7	Screw				
12	ASNA2050DCJ3212	14	Rivet				
13	34800A200-2	1	Demister filter (13) Assembly		34800A200-1		**
14	SF0090	1	Tube assembly				**

\*\* Modification of removed equipment will be negotiated directly with the Vendor LE BOZEC ET GAUTIER as per instructions given in Service Bulletin No. 34800A200-2-21-01.

#### B. SPECIAL TOOLS

None.

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## SERVICE BULLETIN

**C. LIST OF MATERIALS - OPERATOR SUPPLIED**

DESCRIPTION	REFERENCE CML	QTY PER A/C
Sealant Polysulfide	Mat. No. 09-013	As required
MEK	Mat. No. 11-003	As required
Polyurethane grey top coat	Mat. No. 16-002	As required
Polyurethane primer	Mat. No. 16-006	As required

**D. PARTS TO BE RE-IDENTIFIED BY OPERATOR**

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. 21865P1803

ATA SYSTEM : 21

TITLE : AIR CONDITIONING - AVIONICS COOLING - IMPROVE EFFICIENCY OF WATER  
DUST STOPPAGE.

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

SERVICE BULLETIN No. : A320-21-1030

REVISION No. :

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