

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. A320-21-1002

REV. 1

DATED: Mar 23/90

Mod. No. 21014K1015, 21014K1090

TITLE: AIR CONDITIONING - PRESSURIZATION CONTROL - REPLACE CABIN PRESSURE CONTROLLERS 11HL AND 12HL

MODEL: All models listed in S.B.

### DESCRIPTION

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

### SERVICE BULLETIN

On page 3/4, Para 1.F. MATERIAL - COST AND AVAILABILITY

#### From:

#### F. MATERIAL - COST AND AVAILABILITY

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

NOTE: The removed Cabin Pressure Controllers must be returned to:  
NORD MICRO  
VICTOR - Slotoach - Strasse 20  
D-6000 Frankfurt 60  
GERMANY

6 DATE: JAN 25/93

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SERVICE BULLETIN CHANGE NOTICE

To:

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:

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(2) Cost and Availability

Kit No.	Cost (US Dollars)	Availability *
A320211002A01	Free of charge	

\* Calendar days from receipt of order.

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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SERVICE BULLETIN  
REVISION TRANSMITTAL SHEET

MODIFICATION NO: 21014K1015  
21014K1090

ATA SYSTEM: 21

**T I T L E : AIR CONDITIONING - PRESSURIZATION CONTROL - REPLACE CABIN PRESSURE  
CONTROLLERS 11HL and 12HL**

Herewith Revision No. 1 of Service Bulletin A320-21-1002  
NO ADDITIONAL WORK IS REQUIRED BY THIS REVISION.

REASON

This revision is issued to add the vendor's address in para. F. and the electrical identification on CIDS 2 in Figure 3 and to update the part number of contact pin in the Hook-up Chart Figure 4 and in the Material Information para. 3.

SERVICE BULLETIN

- |              |   |
|--------------|---|
| - Page 1     | Revision 1 added.   |
| - Page 3/4   | Para. F. Change Notice No. OA incorporated.                           |
| - Page 5     | Para. 2.A.(1)(c) corrected.   |
| - Page 9/10  | Electrical Identification on CIDS. 2 in Figure 3 added.               |
| - Page 11/12 | Terminal part number in Figure 4 updated.                             |
| - Page 13    | Para. 3.A. Change Notice No. OA incorporated and part number updated. |

FILING INSTRUCTIONS

SERVICE BULLETIN

Replace pages 1, 3/4, 5, 9/10, 11/12 and 13.

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

REVISION SEQUENCE

Original: Feb 08/89  
Revision No.: 1 - MAR 22/90

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SERVICE BULLETIN  
SUMMARY

This summary is for information only and  
is not D.G.A.C. approved for modification of the aircraft

MODIFICATION NO: 21014/K1015/K1090

ATA SYSTEM: 21

T I T L E : AIR CONDITIONING - PRESSURIZATION CONTROL - REPLACE CABIN PRESSURE  
CONTROLLERS 11HL AND 12HL

REASON

This modification introduces two new cabin pressure controllers.  
The new cabin pressure controllers improve the pressure scheduling logic  
and the system indication on the Electronic Centralized Aircraft Monitoring  
System (ECAM).

ACTION

Replace the cabin pressure controllers 11HL and 12HL and connect the  
wiring to CIDS.

EFFECTIVITY

AAA, AFR, BAW, ITF

COMPLIANCE

Desireable

MANPOWER

Total manhours : 3  
Elapsed time (hours) : 2

MATERIAL INFORMATION

2 Cabin Pressure Controllers P/N 9022-15702-5

INTERCHANGEABILITY AND INTERMIXABILITY

Interchangeability - one way  
Intermixability - no.

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SERVICE BULLETIN

MODIFICATION NO: 21014/K1015/K1090

ATA SYSTEM: 21

T I T L E : AIR CONDITIONING - PRESSURIZATION CONTROL - REPLACE CABIN PRESSURE  
CONTROLLERS 11HL AND 12HL

1. PLANNING INFORMATION

A. EFFECTIVITY

(1) Aircraft Models: 320-111, 320-211

(2) Aircraft

Customer and Fleet No.	MSN	Qty of Kits 211002A01
AAA 001-008	022,023,024,025,026,027, 029,030	8
AFR 001,002 004,005	005,007 014,019	4
BAW 001-004	006,008,011,017	4
ITF 001-004	010,012,013,015	4

This modification is embodied prior to delivery on A/C MSN 003,  
004, 016, 018, 020, 021, 028, 031 and subsequent.

Accomplishment of this Service Bulletin cancels the following  
recordable concessions:

A/C MSN 005 - TH 72525 R	A/C MSN 025 - TH TBD
A/C MSN 006 - TH 72605 R	A/C MSN 026 - TH 73556 R
A/C MSN 007 - TH 72611 R	A/C MSN 027 - TH TBD
A/C MSN 008 - TH 72617 R	A/C MSN 029 - TH TBD
A/C MSN 010 - TH 72629 R	A/C MSN 030 - TH TBD
A/C MSN 011 - TH 72635 R	
A/C MSN 012 - TH 72641 R	
A/C MSN 013 - TH 73027 R	
A/C MSN 014 - TH 73030 R	
A/C MSN 015 - TH 73551 R	
A/C MSN 017 - TH 73521 R	
A/C MSN 019 - TH 73356 R	
A/C MSN 022 - TH 73539 R	
A/C MSN 023 - TH 73416 R	
A/C MSN 024 - TH 73417 R	

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## SERVICE BULLETIN

## (3) Spares

2 Pressure Controllers 9022-15702-4.

**B. REASON**

This modification introduces two new cabin pressure controllers. The new cabin pressure controllers improve the pressure scheduling logic and the system indication on the Electronic Centralized Aircraft Monitoring System (ECAM).

**C. DESCRIPTION**

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

- (1) Zones 127, 128, electronics rack 80VU, modification to wiring on CIDS 1 and 2.
- (2) Zones 121, 122, electronics rack 90VU, replace cabin pressure controllers 11HL and 12HL.

**D. APPROVAL**

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

**E. MANPOWER**

	<u>Manhours</u>
	Aircraft
Gain access	1
Modification	1
Test	0.5
Close-up	<u>0.5</u>
TOTAL MANHOURS	3
ELAPSED TIME	2

**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**

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

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WEB BEIM JAEGER 150  
D2000 HAMBURG 63  
GERMANY

**NOTE:** The removed Cabin Pressure Controllers must be returned to:  
NORD MICRO  
Victor - Slotoach - Strasse 20  
D-6000 Frankfurt 60  
GERMANY

**G. TOOLING - PRICE AND AVAILABILITY**

None

**H. WEIGHT AND BALANCE**

None

**I. REFERENCES**

Aircraft Maintenance Manual: 12-34-24, 21-31-00, 21-31-34, 24-41-00,  
25-54-00, 52-30-00, 52-41-00

**J. PUBLICATIONS AFFECTED**

Illustrated Parts Catalog: 21-31-08, 21-31-34  
Flight Crew Operating Manual  
OEB 02/1 revised

**K. INTERCHANGEABILITY AND INTERMIXABILITY**

Interchangeability - one way  
Intermixability - no

## SERVICE BULLETIN

**2. ACCOMPLISHMENT INSTRUCTIONS****A. 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 platform.

(c) Open, safety and tag the following circuit breakers:

PANEL	SERVICE	IDENT.	LOCATION
49VU	AIR COND/CAB/PRESS/CTL1	1HL	D09
122VU	AIR COND/CAB/PRESS/CTL/MAN	3HL	Y23
122VU	AIR COND/CAB/PRESS/CTL2	2HL	Y22

**(d) Open**

- Forward cargo compartment door 825 (Ref. AMM 52-30-00).
- Forward avionics compartment door 811 (Ref. AMM 52-41-00).

(e) To gain access to the rear electronics rack 80VU, remove:

- Zone 131, 132, in cargo compartment, sidewall panel and partition 131CW (Ref. AMM 25-54-00).

**B. MODIFICATION**

(1) Zone 127-128, electronics rack 80VU, modification to wiring on CIDS 1 and 2.



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Ref. Fig. 1, 3, 4

(a) Modify connection of:

Wires identified on Lines 1 thru 8 (Fig. 4).

(b) Crimp terminals and connect to corresponding equipment.

(c) Clean working area.

(2) Zone 121-122, installation of a new cabin pressure controller

Ref. Fig. 2

(a) Remove:

1 cabin pressure controller 12HL 9022-15702-4, item (1)

1 cabin pressure controller 11HL 9022-15702-4, item (1)

(Ref. AMM 21-31-34, P. Block 401).

(b) Install:

1 cabin pressure controller 11HL 9022-15702-5, item 1

1 cabin pressure controller 12HL 9022-15702-5, item 1

(Ref. AMM 21-31-34, P. Block 401).

**C. TEST**

(1) Remove safety clips and tags and close circuit breakers  
Ref. Para. 2.A.(1)(c).

(2) Do operational test of pressure control and monitoring  
(Ref. AMM 21-31-00, P. Block 501).

**D. CLOSE-UP**

(1) Close forward cargo compartment door 825 (Ref. AMM 52-30-00) and  
forward avionics compartment door 811 (Ref. AMM 52-41-00).

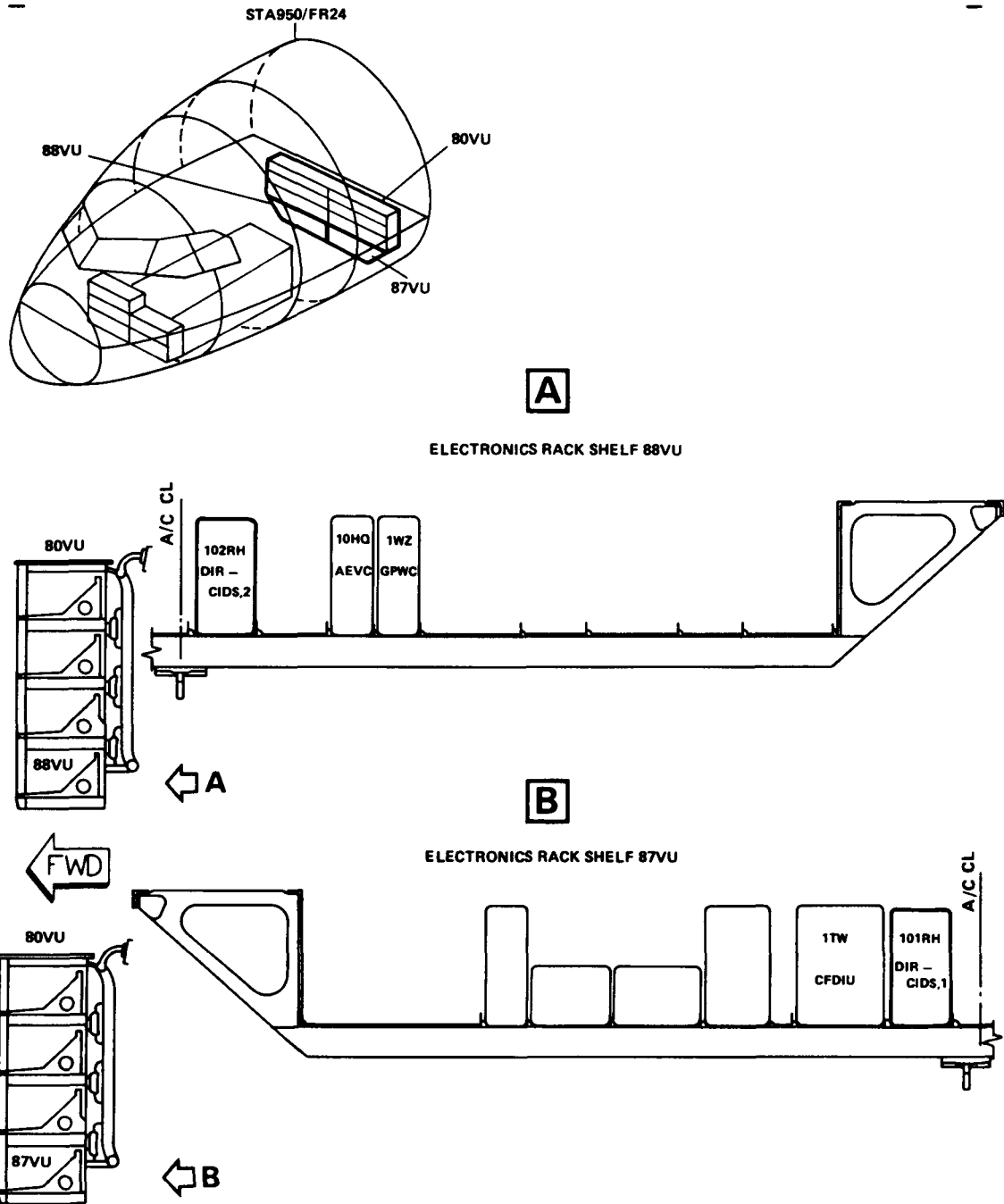
(2) Install cargo compartment sidewall panel and partition 131CW  
(Ref. AMM 25-54-00).

(3) Put the systems and the aircraft back to the serviceable  
condition (Ref. AMM 12-34-24, P. Block 201).

**E. DOCUMENTATION**

Record the accomplishment of this Service Bulletin in the relevant  
A/C technical records.

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**Zone 127-128 - Aft Electronics Rack 80VU**  
**Figure 1**

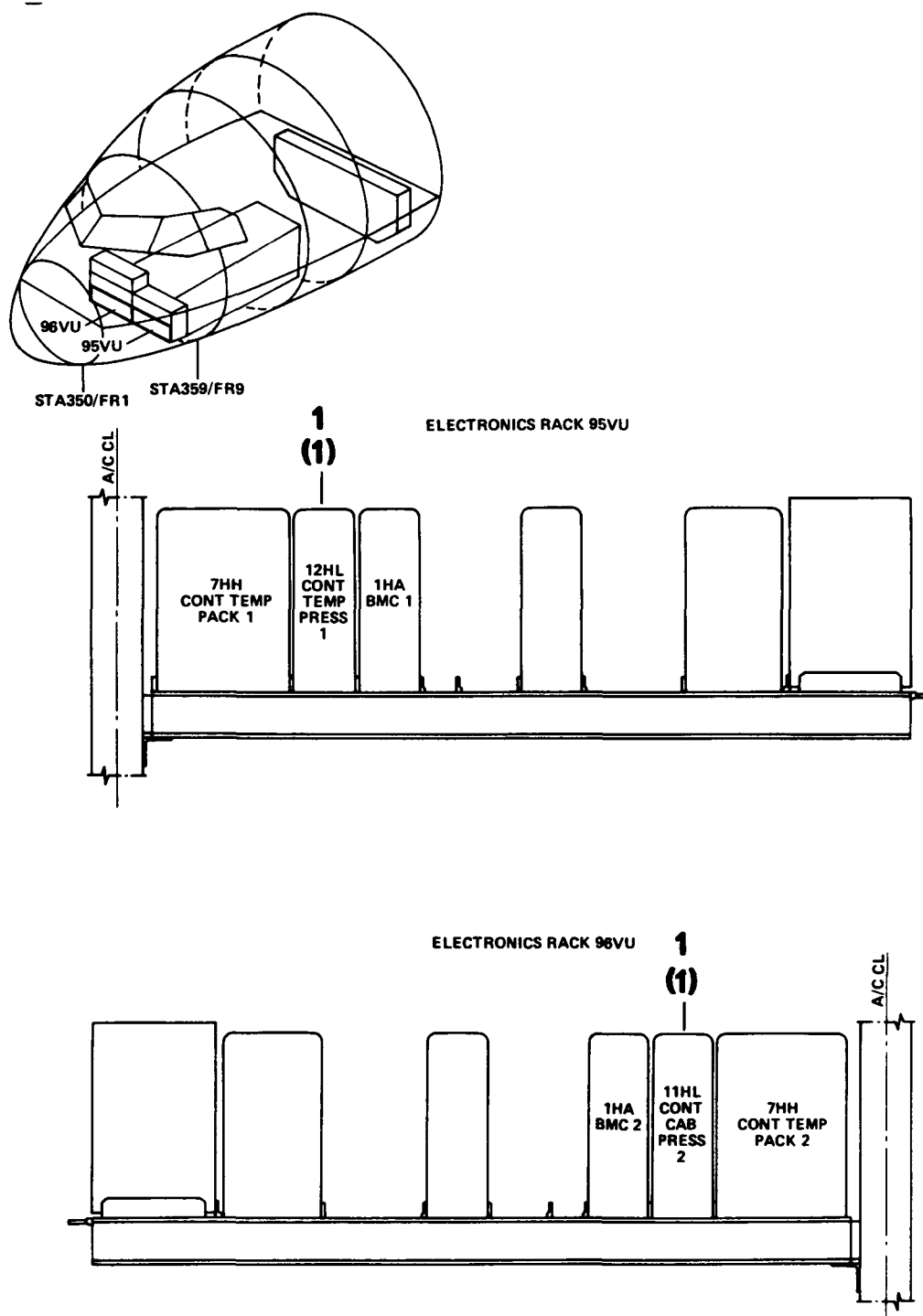
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**Zone 121-122 - Modification to Equipment  
Figure 2**

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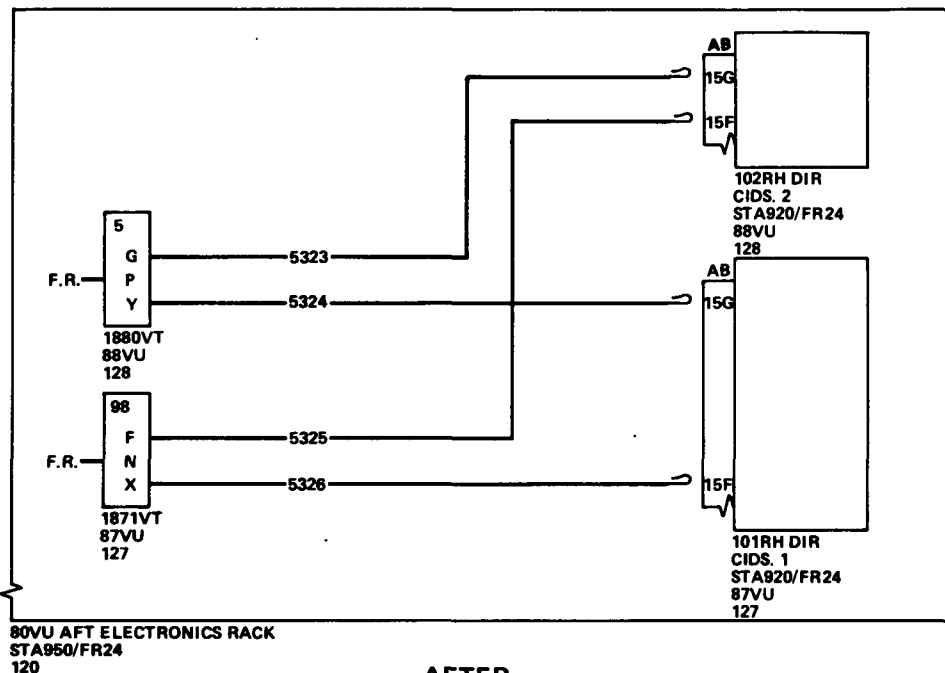
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**REVISION No. :**

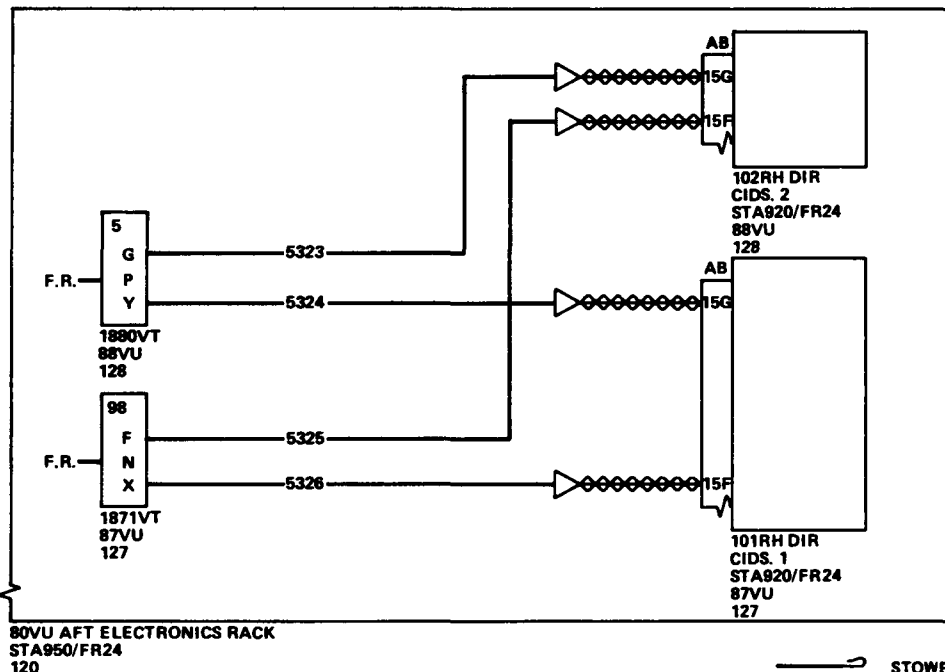
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BEFORE



AFTER



NOTE : UNLESS OTHERWISE SPECIFIED PREFIX ALL WIRE IDENTIFICATION WITH ATA 2373  
UNLESS OTHERWISE SPECIFIED ALL WIRES ARE CF24 GAUGE  
UNLESS OTHERWISE SPECIFIED ALL ROUTES ARE 1M

— STOWED WIRE  
 NEW HOOK - UP  
 F.R. : FOR REFERENCE

Zone 127-128 - Modification to Wiring in the  
Aft Electronics Rack 80VU  
Figure 3

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	END 1				LEAD					END 2				
Line	Zone or Panel	Elec. Ident.	Term	Terminal P/N	Wire Ident.	Route	Gauge	Length		Zone or Panel	Elec. Ident.	Term.	Terminal P/N	Instructions
								cm.	Inch.					
1	87VU	101RH-AB	SW		2373-5324	1M	CF24							M1 OLD HOOK-UP Ref. Fig. 3
2	87VU	101RH-AB	15G	E0170FA2200	2373-5324	1M	CF24							M1 NEW HOOK-UP Ref. Fig. 3
3	87VU	101RH-AB	SW		2373-5326	1M	CF24							M1 OLD HOOK-UP Ref. Fig. 3
4	87VU	101RH-AB	15F	E0170FA2200	2373-5326	1M	CF24							M1 NEW HOOK-UP Ref. Fig. 3
5	88VU	102RH-AB	SW		2373-5323	1M	CF24							M1 OLD HOOK-UP Ref. Fig. 3
6	88VU	102RH-AB	15G	E0170FA2200	2373-5323	1M	CF24							M1 NEW HOOK-UP Ref. Fig. 3
7	88VU	102RH-AB	SW		2373-5325	1M	CF24							M1 OLD HOOK-UP Ref. Fig. 3
8	88VU	102RH-AB	15F	E0170FA2200	2373-5325	1M	CF24							M1 NEW HOOK-UP Ref. Fig. 3
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														
25														

Hook-up Chart (Ref. Fig. 3)  
Figure 4

M1 = END 1 MODIFIED  
SW = STOWED WIRE

## SERVICE BULLETIN

**3. MATERIAL INFORMATION****A. LIST OF COMPONENTS****KIT NO. A320211002A01**

ITEM	NEW PART NO.	QTY	DESIGNATION	ITEM	OLD PART NO.	REMARKS
1	9022-15702-5 E0170FA2200	2 6	Controller Pressure Contact-Pin	(1)	9022-15702-4	Return old Pressure Con- troller to NORD MICRO

**B. SPECIAL TOOLS**

None

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

None

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

None

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