

AIRBUS INDUSTRIE
PRODUCT SUPPORT DIRECTORATE
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Telex : AIRBU 530526 F

 **A320/A321**

SERVICE BULLETIN
REVISION TRANSMITTAL SHEET

MODIFICATION No. 23344P2963

ATA SYSTEM : 21

TITLE : AIR CONDITIONING - PRESSURIZATION CONTROL - IMPROVE CONTROL
PANEL 25VU.

This page transmits Revision No. 2 of Service Bulletin No. A320-21-1066.
No additional work is required by this Revision.

REASON

This revision is issued to incorporate customer MON, XF101-103 and
XW508,509 and to delete AIB051,052 and XP059 in this Service Bulletin.

SERVICE BULLETIN SUMMARY

Page 1 of 3 - Para. EFFECTIVITY, MON added.

SERVICE BULLETIN

Page 2 - Para. 1.A.(2), delete AIB051,052.

Page 3 - Para. 1.A.(2)

IAC014-031 should read IAC014-026

Page 4 - Para. 1.A.(2), add MON001,002, MSN 379 and 389.

Page 5 - Para. 1.A.(2), add XF101-103, MSN 425, 448 and 453.

Page 6 - Para. 1.A.(2), delete XP059

XP051-057 should read XP051-059 add MSN 348 and 349.

XP061-063 should read XP062,063 and MSN 391, 392.

XW501-511 should read XW501-506 and XW508,509.

Page 8 - Para. 1.F.(2), text shifted.

5 DATE : Feb 01/94

SERVICE BULLETIN No. : A320-21-1066

REVISION No. : 2 - Aug 10/94

PAGE : 1 of 2

**SERVICE BULLETIN
REVISION TRANSMITTAL SHEET**

FILING INSTRUCTIONS

Replace pages SUMMARY 1 of 3
SERVICE BULLETIN 1 of 19 thru 6 and 8.

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

REVISION SEQUENCES

ORIGINAL : Feb 01/94

REVISION No. : 1 - May 02/94

REVISION No. : 2 - Aug 10/94

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

MODIFICATION No. 23344P2963

ATA SYSTEM : 21

TITLE : AIR CONDITIONING - PRESSURIZATION CONTROL - IMPROVE CONTROL PANEL 25VU.

REASON/DESCRIPTION/OPERATIONAL CONSEQUENCES

Operators have reported that inadvertent operation and unintentional selections of landing field elevation have occurred.

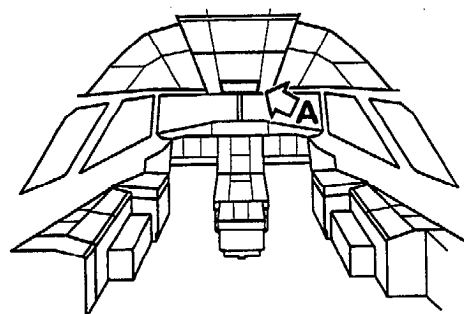
This Service Bulletin proposes replacing, on the panel 25VU, the existing LDG ELEV AUTO potentiometer by an electrically and mechanically interchangeable potentiometer and the associated control knob by a knob with a different shape. The new potentiometer includes the following characteristics :

- a travel reduced from 360° to 300°
- a depressed position allowing no rotation and corresponding to the AUTO mode.

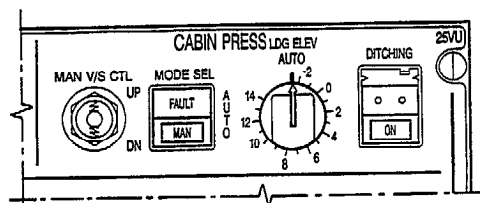
EFFECTIVITY

This Service Bulletin is applicable to the following operators :

AAA, ACA, ADR, AFR, AIB, ALK, AMC,
ANA, BAW, BV, CDN, CYP, DLH, FHA, GFA,
HP, IAC, IBE, ITF, KAC, MON, MSR, MXA,
NWA, OYC, RJA, SAA, SHK, TAR, XF, XP,
XR, XW, XZ.



PANEL 25VU



A320/A321

SERVICE BULLETIN SUMMARY

SERVICE BULLETIN/MODIFICATION TO BE ACCOMPLISHED PREVIOUSLY OR SIMULTANEOUSLY

None.

REFERENCES/REPERCUSSIONS

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

NATURE OF THE MODIFICATION

AIRCRAFT	YES
EQUIPMENT	YES

COMPLIANCE

Optional.

MANPOWER

Manhours	2.5
Elapsed Time (Hours)	2.5

MATERIAL INFORMATION

Aircraft Data

Qty per A/C :

1 landing field elevation selector, 1 control knob, 1 integrally lighted plate.

Equipment Data

Designation : Landing Field Elevation Selector (LFES)

Supplier : NORD-MICRO ELEK

Part Number Before 9027-16120

Part Number After 9027-20010

Interchangeability code 01 (Ref. ATA 200)

Intermixability : None.

NOTE : The LFES is not interchangeable without the corresponding integrally lighted plate.

APPENDICES

None.

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SERVICE BULLETIN

MODIFICATION No. 23344P2963

ATA SYSTEM : 21

TITLE : AIR CONDITIONING - PRESSURIZATION CONTROL - IMPROVE CONTROL
 PANEL 25VU.

1. PLANNING INFORMATION

A. EFFECTIVITY

(1) Aircraft models : 320-111, 320-211, 320-212, 320-231, 320-232.

(2) Aircraft

Customer and Fleet No.	MSN	Kit No. 211066	Qty of Kits
AAA001-008	022,023,024,025,026,027, 029,030	A01	08
		A02	08
AAA009-012	140,142,157,229	A01	04
		A07	04
ACA201	059	A01	01
		A02	01
ACA202-234	068,073,084,122,126,127, 141,149,150,154,159,183, 233,242,248,253,254,255, 265,277,290,310,311,324, 330,333,341,342,350,359, 378,384,426	A01	33
		A07	33
ADR001	043	A01	01
		A03	01
ADR002,003	113,114	A01	02
		A09	02
AFR001,002	005,007	A01	02
		A02	02
AFR004-008	014,019,020,021,002	A01	05
		A02	05

5 DATE : Feb 01/94

SERVICE BULLETIN No. : A320-21-1066

REVISION No. : 2 - Aug 10/94

PAGE : 1 of 19

A320/A321

SERVICE BULLETIN

Customer and Fleet No.	MSN	Kit No. 211066	Qty of Kits
AFR031-048	061,062,063,100,101,102, 128,129,133,186,187,188, 226,227,228,285,286,287	A01	18
		A07	18
AIB001	258	A01	01
		A09	01
ALK001,002	374,406	A01	02
		A07	02
AMC001	112	A01	01
		A09	01
AMC002	293	A01	01
		A07	01
ANA001-015	138,139,148,151,167,170, 196,212,219,245,300,328, 365,383,413	A01	15
		A14	15
BAW001-007	006,008,011,017,018,039, 042	A01	07
		A04	07
BAW008-010	103,109,120	A01	03
		A08	03
BV051,052	185,191	A01	02
		A09	02
CDN401-405	174,175,210,231,232	A01	05
		A11	05
CDN407-411	283,284,302,305,309	A01	05
		A11	05
CDN415,416	403,404	A01	02
		A11	02
CYP001-004	028,035,037,038	A01	04
		A02	04

DATE : Feb 01/94

SERVICE BULLETIN No. : A320-21-1066

REVISION No. : 2 - Aug 10/94

PAGE : 2

A320/A321

SERVICE BULLETIN

Customer and Fleet No.	MSN	Kit No. 211066	Qty of Kits
CYP005-008	180,256,295,316	A01 A07	04 04
DLH001-010	069,070,071,072,078,083, 086,093,094,104	A01 A13	10 10
DLH012-015	110,111,116,117	A01 A13	04 04
DLH016-028	135,137,147,161,162,172, 200,201,202,209,216,217, 218	A01 A15	13 13
DLH029-034	267,268,269,346,382,401	A01 A17	06 06
FHA001,002	332,369	A01 A11	02 02
GFA801-809	313,325,345,375,419,421, 438,445,459	A01 A07	09 09
HP620-622	052,053,054	A01 A12	03 03
HP624	055	A01 A12	01 01
HP625-629	064,065,066,067,076	A01 A13	05 05
HP631-637	077,081,082,091,092,098, 099	A01 A13	07 07
IAC001-010	045,046,047,048,049,050, 051,056,057,058	A01 A02	10 10
IAC011,012	074,075	A01 A07	02 02
IAC014-026	080,089,090,095,096,097, 396,398,416,423,431,432, 451	A01 A07	13 13

DATE : Feb 01/94

SERVICE BULLETIN No. : A320-21-1066

REVISION No. : 2 - Aug 10/94

PAGE : 3

A320/A321

SERVICE BULLETIN

Customer and Fleet No.	MSN	Kit No. 211066	Qty of Kits
IBE001-022	134,136,143,146,158,173, 176,177,199,207,223,224, 240,241,246,264,266,274, 303,312,323,356	A01 A13	22 22
ITF001-003	010,012,013	A01 A03	03 03
ITF005-010	016,033,036,044,004,003	A01 A03	06 06
ITF011-018	108,115,130,155,156,184, 214,239	A01 A09	08 08
ITF020-025	278,337,352,236,237,377	A01 A09	06 06
ITF201,202	144,145	A01 A09	02 02
ITF301,302	204,211	A01 A09	02 02
ITF401-403	215,244,270	A01 A09	03 03
KAC001-003	181,182,195	A01 A11	03 03
MON001,002	379,389	A01 A11	02 02
MSR001-007	165,166,178,194,198,351, 366	A01 A10	07 07
MXA001-017	252,259,260,261,275,276, 296,320,321,353,361,368, 376,386,405,433,455	A01 A07	17 17
NWA301-305	031,032,034,040,041	A01 A05	05 05
NWA306-311	060,106,107,118,121,125	A01 A06	06 06

DATE : Feb 01/94

SERVICE BULLETIN No. : A320-21-1066

REVISION No. : 2 - Aug 10/94

PAGE : 4

A320/A321

SERVICE BULLETIN

Customer and Fleet No.	MSN	Kit No. 211066	Qty of Kits
NWA312-350	152,153,160,171,192,197, 206,208,213,262,263,272, 273,281,282,297,298,306, 307,318,319,329,339,340, 355,358,360,367,372,380, 381,387,388,399,400,408, 410,417,418	A01 A16	39 39
OYC001-006	163,164,168,169,179,193	A01 A09	06 06
RJA001,002	087,088	A01 A10	02 02
SAA001-007	243,249,250,251,334,335, 440	A01 A11	07 07
SHK001,002	322,326	A01 A07	02 02
SHK003	344	A01 A11	01 01
TAR001-006	119,124,205,370,390,402	A01 A07	06 06
TAR007	123	A01 A10	01 01
XF001-007	393,394,414,430,443,447, 415	A01 A07	07 07
XF053	428	A01 A09	01 01
XF101-103	425,448,453	A01 A09	03 03
XF501,502	446,422	A01 A09	02 02
XF504-507	371,397,409,427	A01 A11	04 04
XF551	279	A01 A11	01 01

DATE : Feb 01/94

SERVICE BULLETIN No. : A320-21-1066

REVISION No. : 2 - Aug 10/94

PAGE : 5

A320/A321

SERVICE BULLETIN

Customer and Fleet No.	MSN	Kit No. 211066	Qty of Kits
XP001	085	A01 A11	01 01
XP051-059	203,220,221,222,294,299, 301,348,349	A01 A11	09 09
XP062,063	391,392	A01 A11	02 02
XP502,503	362,363	A01 A11	02 02
XR501-520	225,230,238,247,257,271, 280,291,292,304,308,314, 315,317,327,336,338,429, 444,449	A01 A13	20 20
XW501-506	347,354,357,373,411,424	A01 A09	06 06
XW508,509	437,441	A01 A09	02 02
XZ001-004	131,132,189,190	A01 A07	04 04
XZ101-110	234,235,288,289,331,343, 395,407,420,436	A01 A07	10 10

This modification is embodied prior to delivery on A/C MSN 435, 439, 442, 450, 452, 454, 456, 457, 460 and subsequent.

(3) Spares

1 SIRIO PANEL integrally lighted plate 002095-06 or 002095-07 or 002095-09 or 002095-14 or 002095-17 or PN002095-16 or 002095-15 or 002095-19 or 002095-23 or PN002095-22 or 002095-21 or 002095-20 or 002095-25 or 002095-24 or 002095-26 or 002095-28.

DATE : Feb 01/94

SERVICE BULLETIN No. : A320-21-1066

REVISION No. : 2 - Aug 10/94

PAGE : 6

SERVICE BULLETIN

B. REASON

(1) History

Operators have reported that inadvertent operation and unintentional selections of Landing field elevation have occurred.

(2) Objective/Action

This Service Bulletin proposes replacing, on the panel 25VU, the existing LDG ELEV AUTO potentiometer by an electrically and mechanically interchangeable potentiometer and the associated control knob by a knob with a different shape. The new potentiometer includes the following characteristics :

- a travel reduced from 360° to 300°
- a depressed position allowing no rotation and corresponding to the AUTO mode.

(3) Advantages

Separate AUTO mode from 14,000 ft position to prevent confusion between AUTO and MANUAL modes.

(4) Accomplishment Timescale

In accordance with operators experience.

C. DESCRIPTION

Accomplishment of this Service Bulletin consists in carrying out the following job on the aircraft :

- (1) Modify the equipment in the cockpit, on panel 25VU.

D. APPROVAL

The design data contained in this Service Bulletin has been approved under the authority of DGAC Design Organisation Approval No. C 01. The changes specified in this Service Bulletin have been approved by the DGAC when they are major, or under the authority of DGAC Design Organisation Approval No. C 01, when they are minor.

SERVICE BULLETIN

E. MANPOWER

	<u>Manhours</u>
Modification to equipment in panel 25VU	2.0
Test	0.5
	<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.

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
AIRSPARES
MATERIAL SUPPORT CENTER
P.O. BOX 63 02 62
22312 HAMBURG
GERMANY

(2) Cost and availability

Kit No.	Cost (US Dollars)	Availability *
211066A01	3154	150
211066A02 to A17	**	120

* Calendar days from receipt of order.

** Kit A02 thru Kit A17 are to be purchased by a spares purchase order.

The sales terms (cost and availability) are estimated in relation to economic conditions at the issue date of the Service Bulletin.

G. TOOLING - PRICE AND AVAILABILITY

None.

H. WEIGHT AND BALANCE

None.

I. REFERENCES

Aircraft Maintenance Manual : 12-34-24, 21-31-00, 24-41-00, 52-10-00

J. PUBLICATIONS AFFECTED

Aircraft Maintenance Manual : 21-31-00

Illustrated Parts Catalog : 21-31-08

Flight Crew Operating Manual : 1-21-27

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 platform in position.
- (c) Open the aft passenger/crew door 841 (Ref. AMM 52-10-00).
- (d) Open, safety and tag the following circuit breakers :

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

B. MODIFICATION

- (1) Modify the equipment in the cockpit, on the panel 25VU.

Refer to Figure 1

- (a) Remove from the panel 25VU :

4 screws	Item 5 (retain)
1 integrally lighted plate 11LF	Item (4) (discard)

- (b) Pull the panel 25VU from its housing. Do not disconnect the electrical connectors from the rear plate.

- (c) Remove :

2 screws	Item (3) (discard)
1 control knob	Item (2) (discard)

- (d) Loosen the 2 lock screws Item 7 and disconnect the connector Item 6.

- (e) Remove :

1 nut	Item (8) (discard)
1 selector	Item (1) (discard)

(f) Install :

1 selector	9027-20010	Item 1
1 nut		Item 8

NOTE : The nut Item 8 is supplied with the selector Item 1.

(g) Connect the connector Item 6 and tighten the 2 lock screws Item 7.

(h) Install :

1 control knob	ABS0078-01	Item 2
2 screws	DIN916M3X3A2-70	Item 3

(i) Install the panel 25VU.

(j) On the panel 25VU, install :

KIT No. 211066A02

1 integrally lighted plate 11LF	723-4059/46	Item 4
------------------------------------	-------------	--------

KIT No. 211066A03

1 integrally lighted plate 11LF	723-4059/50	Item 4
------------------------------------	-------------	--------

KIT No. 211066A04

1 integrally lighted plate 11LF	723-4059/41	Item 4
------------------------------------	-------------	--------

KIT No. 211066A05

1 integrally lighted plate 11LF	723-4059/47	Item 4
------------------------------------	-------------	--------

KIT No. 211066A06

1 integrally lighted plate 11LF	723-4059/42	Item 4
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SERVICE BULLETIN

KIT No. 211066A07

1 integrally lighted plate 11LF	723-4059/32	Item 4
------------------------------------	-------------	--------

KIT No. 211066A08

1 integrally lighted plate 11LF	723-4059/43	Item 4
------------------------------------	-------------	--------

KIT No. 211066A09

1 integrally lighted plate 11LF	723-4059/36	Item 4
------------------------------------	-------------	--------

KIT No. 211066A10

1 integrally lighted plate 11LF	723-4059/49	Item 4
------------------------------------	-------------	--------

KIT No. 211066A11

1 integrally lighted plate 11LF	723-4059/37	Item 4
------------------------------------	-------------	--------

KIT No. 211066A12

1 integrally lighted plate 11LF	723-4059/51	Item 4
------------------------------------	-------------	--------

KIT No. 211066A13

1 integrally lighted plate 11LF	723-4059/34	Item 4
------------------------------------	-------------	--------

KIT No. 211066A14

1 integrally lighted plate 11LF	723-4059/38	Item 4
------------------------------------	-------------	--------

SERVICE BULLETIN

KIT No. 211066A15

1 integrally lighted
plate 11LF 723-4059/44 Item 4

KIT No. 211066A16

1 integrally lighted
plate 11LF 723-4059/45 Item 4

KIT No. 211066A17

1 integrally lighted
plate 11LF 723-4059/48 Item 4

(k) Attach with :

4 screws Item 5

NOTE : Item 5 was retained at removal.

C. TESTS

- (1) Perform the operational test of the Manual Pressure Control and Monitoring (Ref. AMM 21-31-00, P. Block 501).

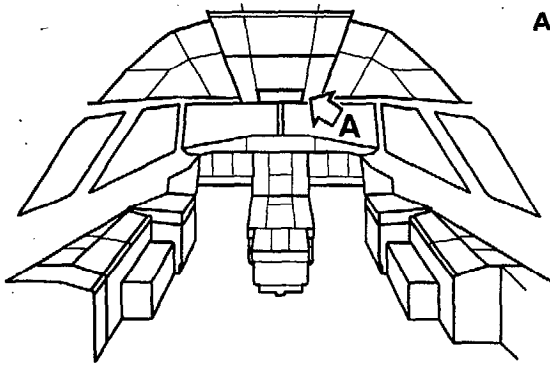
D. CLOSE-UP

- (1) Make sure that the work area is clean and clear of tools and miscellaneous items of equipment.
- (2) Restore system and aircraft to normal operating condition.
- (3) Close the access door 841 (Ref. AMM 52-10-00).
- (4) Remove the access platform.
- (5) Write in the applicable aircraft record that you have done all the work in this Service Bulletin.

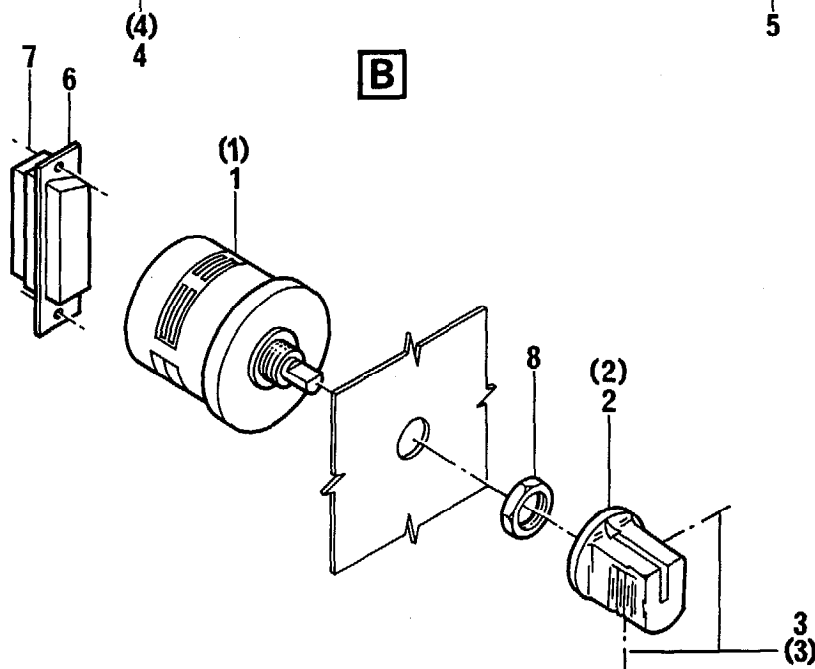
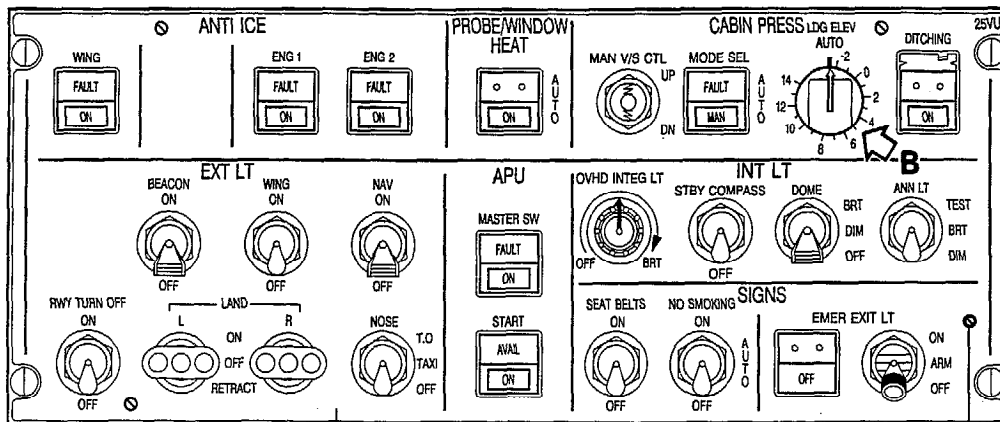
A320/A321

SERVICE BULLETIN

AFTER



A
25VU



Modification to Equipment in Panel 25VU
Figure 1

NSB5 211066 AA 00

DATE : Feb 01/94

SERVICE BULLETIN No. : A320-21-1066

REVISION No. :

PAGE : 15-16

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 P O S I T I O N S
<u>Kit No. 211066</u>		<u>A01</u>					
1	9027-20010	1	Selector-Ldg Field	(1)	9027-16120		*
2	ABS0078-01	1	Knob-Control	(2)	ASNE0468-01		*
3	DIN916M3X3A2-70	2	Screw	(3)	DIN916M4X4A2-70		*
<u>Kit No. 211066</u>		<u>A02</u>					
4	723-4059/46	1	Plate-Integrally lighted	(4)	002095-06		
<u>Kit No. 211066</u>		<u>A03</u>					
4	723-4059/50	1	Plate-Integrally lighted	(4)	002095-07		
<u>Kit No. 211066</u>		<u>A04</u>					
4	723-4059/41	1	Plate-Integrally lighted	(4)	002095-09		
<u>Kit No. 211066</u>		<u>A05</u>					
4	723-4059/47	1	Plate-Integrally lighted	(4)	002095-14		
<u>Kit No. 211066</u>		<u>A06</u>					
4	723-4059/42	1	Plate-Integrally lighted	(4)	002095-17		

* Discard

DATE : Feb 01/94

SERVICE BULLETIN No. : A320-21-1066

REVISION No. : 1 - May 02/94

PAGE : 17

A320/A321

SERVICE BULLETIN

I T E M	NEW PART No.	QTY	DESCRIPTION	I T E M	OLD PART No.	I N T	I D I S P O S I T I O N S C
	<u>Kit No. 211066</u>	<u>A07</u>					
	4 723-4059/32	1	Plate-Integrally (4) lighted		PN002095-16		
	<u>Kit No. 211066</u>	<u>A08</u>					
	4 723-4059/43	1	Plate-Integrally (4) lighted		002095-15		
	<u>Kit No. 211066</u>	<u>A09</u>					
	4 723-4059/36	1	Plate-Integrally (4) lighted		002095-19		
	<u>Kit No. 211066</u>	<u>A10</u>					
	4 723-4059/49	1	Plate-Integrally (4) lighted		002095-23		
	<u>Kit No. 211066</u>	<u>A11</u>					
	4 723-4059/37	1	Plate-Integrally (4) lighted		PN002095-22		
	<u>Kit No. 211066</u>	<u>A12</u>					
	4 723-4059/51	1	Plate-Integrally (4) lighted		002095-21		
	<u>Kit No. 211066</u>	<u>A13</u>					
	4 723-4059/34	1	Plate-Integrally (4) lighted		002095-20		

* Discard

DATE : Feb 01/94

SERVICE BULLETIN No. : A320-21-1066

REVISION No. : 1 - May 02/94

PAGE : 18

A320/A321

SERVICE BULLETIN

ITEM	NEW PART No.	QTY	DESCRIPTION	ITEM	OLD PART No.	INT	DISPOS.
	<u>Kit No. 211066</u>	<u>A14</u>					
	4 723-4059/38	1	Plate-Integrally (4) lighted		002095-25		
	<u>Kit No. 211066</u>	<u>A15</u>					
	4 723-4059/44	1	Plate-Integrally (4) lighted		002095-24		
	<u>Kit No. 211066</u>	<u>A16</u>					
	4 723-4059/45	1	Plate-Integrally (4) lighted		002095-26		
	<u>Kit No. 211066</u>	<u>A17</u>					
	4 723-4059/48	1	Plate-Integrally (4) lighted		002095-28		

* Discard

B. SPECIAL TOOLS

None.

C. LIST OF MATERIALS - OPERATOR SUPPLIED

None.

D. PARTS TO BE RE-IDENTIFIED BY OPERATOR

None.

DATE : Feb 01/94

SERVICE BULLETIN No. : A320-21-1066

REVISION No. : 1 - May 02/94

PAGE : 19

AIRBUS INDUSTRIE
PRODUCT SUPPORT DIRECTORATE
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Tel : (33) 61-93-33-33
Telex : AIRBU 530526 F

 **A320/A321**

SERVICE BULLETIN

MODIFICATION No. 23344P2963

ATA SYSTEM : 21

TITLE : AIR CONDITIONING - PRESSURIZATION CONTROL - IMPROVE 25VU CONTROL
PANEL.

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 : Feb 01/94

SERVICE BULLETIN No. : A320-21-1066

REVISION No. :

PAGE : 1 of 1