

SERVICE BULLETIN  
REVISION TRANSMITTAL SHEET

AIRBUS INDUSTRIE  
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ATA SYSTEM : 21

TITLE : AIR CONDITIONING - PRESSURE CONTROL AND MONITORING - INTRODUCE PRESSURE  
CONTROLLER PN 9022-15702-10

MODIFICATION No. : 28009K5801

This page transmits Revision No. 04 of Service Bulletin No. A320-21-1116.

ADDITIONAL WORK

No additional work is required by this revision for aircraft modified by any previous issue.

REASON

This Revision has been issued to advise customers that OEB 139/1 is cancelled after installation of the Cabin Pressure Controller PN 9022-15702-10, to update the effectivity and to delete a preparation workstep and a closeup workstep.

CHANGES

SUMMARY

- Para. EFFECTIVITY, Operators 004, AIB and CIN deleted, operators 12Z and TWJ added.
- Para. REFERENCES/REPERCUSSIONS, Note added.

PLANNING INFORMATION

- Para. A.(2)(b), Operators 004, AIB and CIN deleted, operators 12Z and TWJ added.
- Para. J., AMM reference 24-42-00 deleted.

NOTE : Layout changes due to computerization of this revision are not identified.

FILING INSTRUCTIONS

This Service Bulletin has been generated electronically and is reissued as a complete document. Replace the complete document.  
Put this Revision Transmittal Sheet in front of the Service Bulletin.

HISTORY OF PREVIOUS REVISIONS

Revision 01 was issued to add customer AZA.  
Revision 02 was issued to add the modification for the cabin pressure controller 11HL, to extend the effectivity up to aircraft MSN 1081 and to do minor changes.  
Revision 03 was issued to add the reference OEB 139/1 and to update the effectivity.

6 DATE : Dec 11/98

SERVICE BULLETIN No. : A320-21-1116

REVISION No. : 04 - Feb 02/00

Page : 1 of 2



# A319/A320/A321

## SERVICE BULLETIN REVISION TRANSMITTAL SHEET

### REVISION SEQUENCE

ORIGINAL : Dec 11/98

REVISION No. : 01 - Mar 17/99

REVISION No. : 02 - Aug 02/99

REVISION No. : 03 - Oct 25/99

REVISION No. : 04 - Feb 02/00

DATE : Dec 11/98

SERVICE BULLETIN No. : A320-21-1116

REVISION No. : 04 - Feb 02/00

Page : 2

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

ATA SYSTEM : 21

TITLE : AIR CONDITIONING - PRESSURE CONTROL AND MONITORING - INTRODUCE PRESSURE  
CONTROLLER PN 9022-15702-10

MODIFICATION No. : 28009K5801

### REASON/DESCRIPTION/OPERATIONAL CONSEQUENCES

Some operators have reported in flight warnings of the loss of cabin pressurization, caused by uncommanded movements of the outflow valve. In some cases the oxygen masks deployed.

This Service Bulletin advises operators of the issue of NORD-MICRO Service Bulletin No. 15702-21-006 (and 15702-21-005 and 15702-21-004 if necessary) which introduces modifications of the cabin pressure controllers 11HL and/or 12HL to prevent pressure loss caused by uncontrolled movement of the outflow valve.

EVALUATION TABLE			
COMPLIANCE	Recommended	CANCELS INSPECTION SB	No
POTENTIAL AD	No	A/C OPERATION AFFECTED	No
RELIABILITY AFFECTED	No	PAX COMFORT AFFECTED	No
COST SAVING	No	ETOPS AFFECTED	No
STRUCTURAL LIFE EXTN	No	VENDOR SB INVOLVED	Yes
KIT PRICE (USD)	No kit		

### EFFECTIVITY

This Service Bulletin is applicable to these operator(s) :

12Z AAA AAR ABB ACA ADR AEF AEL AES AFR AIH AJM ALK AMC AMM AMU ANA AUA AWE AZA  
BAW BMA C3J CDN CES CIB CJG CKT CMM CNW CSC CSN CTN CYP D2F DLH EDW EIN EWG FCL  
FIN FTI GFA HDA HVN I2L IAC IBE IWD KAC LAJ LFA LRC LTU MEA MON MSR MXA NWA OHY  
OYC PAL QAF QTR RJA RYN SAA SAB SEU SHK SLK SSV SWR SYR TAI TAM TAP TAR TAS TLA  
TNA TRZ TWJ UAL USA VIR VLE

### CONCURRENT REQUIREMENTS

None

### REFERENCES/REPERCUSSIONS

TFU : 21.31.00.019

OEB : 139/1

6 DATE : Dec 11/98

SERVICE BULLETIN No. : A320-21-1116

REVISION No. : 04 - Feb 02/00

Page : 1 of 3



# A319/A320/A321

## SERVICE BULLETIN SUMMARY

AOT : None  
SIL : None  
LIFE LIMIT : None  
LINE MAINTENANCE AFFECTED : No  
OTHER : YES

NOTE : The OEB 139/1 is cancelled after installation of the Cabin Pressure Controller PN 9022-15702-10.

### NATURE OF THE WORK

AIRCRAFT : NO  
EQUIPMENT : YES  
HARD : NO  
SOFT : YES  
OBRM : NO

### MANPOWER

TOTAL MANHOURS	1.50
ELAPSED TIME (HOURS)	1.50

### MATERIAL INFORMATION

#### AIRCRAFT DATA

None

### APPENDICES

None

DATE : Dec 11/98

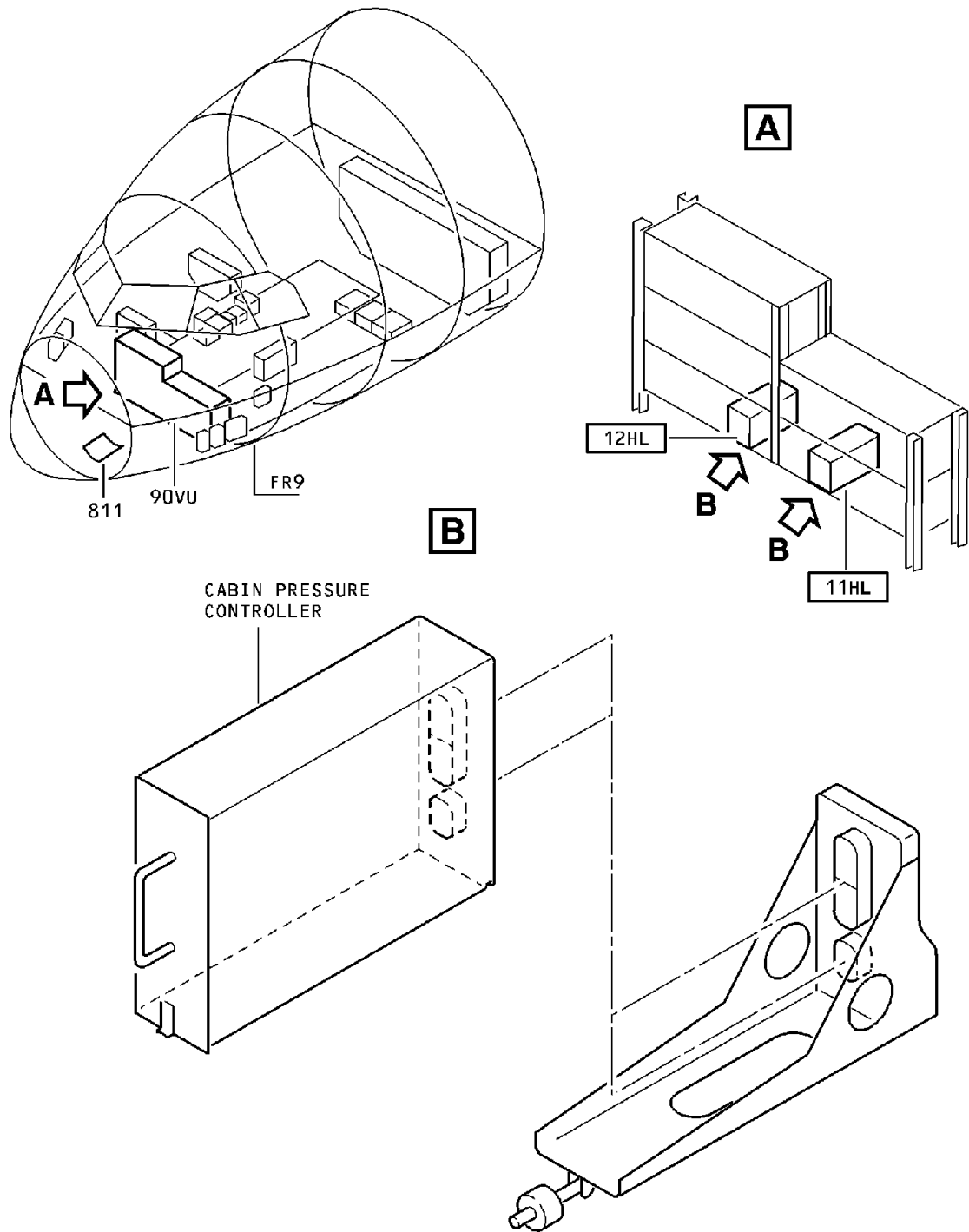
SERVICE BULLETIN No. : A320-21-1116

REVISION No. : 04 - Feb 02/00

Page : 2

# **A319/A320/A321**

## SERVICE BULLETIN SUMMARY



NB6 21 1116 AAMA-B

DATE : Dec 11/98

SERVICE BULLETIN No. : A320-21-1116

REVISION No. : 04 - Feb 02/00

Page : 3

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ATA SYSTEM : 21

TITLE : AIR CONDITIONING - PRESSURE CONTROL AND MONITORING - INTRODUCE PRESSURE  
CONTROLLER PN 9022-15702-10

MODIFICATION No. : 28009K5801

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#### 1. PLANNING INFORMATION

##### A. EFFECTIVITY

###### (1) Models

319-111 319-112 319-113 319-114 319-131 319-132 320-111 320-211  
320-212 320-214 320-231 320-232 320-233 321-111 321-112 321-131  
321-211 321-231

###### (2) Aircraft

###### (a) Effectivity by MSN

This Service Bulletin is applicable to aircraft MSN :

0002-0008  
0010-0014 0016-0078 0080-0104 0106-0535 0537-0707 0709-0909  
0911-1001 1003-1052 1054-1080

###### (b) Effectivity by Operator

The Operator/MSN relationship is provided for information only and is correct at the time of issue in accordance with the information available to Airbus Industrie. Any future changes resulting from transfer of an aircraft from one operator to another will not be reflected in this list unless the Service Bulletin is revised for another reason.



# A319/A320/A321

## SERVICE BULLETIN

OPERATOR	MSN
12Z	0591
AAA	0022 0023 0024 0025 0026 0027 0029 0030 0140 0142 0157 0229 0288 0331 0547 0615 0622 0632 0662 0726
AAR	0771 0855 1060
ABB	0348 0349
ACA	0059 0068 0073 0084 0122 0126 0127 0141 0149 0150 0154 0159 0183 0233 0242 0248 0253 0254 0255 0265 0277 0290 0310 0311 0324 0330 0333 0341 0342 0350 0359 0378 0384 0426 0546 0572 0634 0639 0649 0656 0670 0672 0682 0688 0691 0693 0695 0697 0711 0719 0721 0728 0732 0736 0740 0742 0752 0757 0769 0773 0779 0785 0800 0813 0817 0829 0831 0840 0845
ADR	0043 0113 0114
AEF	0565 0575 0580 0659 0661 0667 0787 0792 0954 0990 1004
AEL	0085 0131 0132 0709 0710
AES	0739 0743 0839 0892
AFR	0002 0003 0004 0005 0007 0010 0012 0013 0014 0016 0019 0020 0021 0033 0036 0044 0061 0062 0063 0100 0101 0102 0108 0115 0128 0129 0130 0133 0144 0145 0155 0156 0184 0186 0187 0188 0203 0204 0211 0214 0215 0220 0226 0227 0228 0236 0237 0239 0244 0270 0278 0285 0286 0287 0337 0352 0377 0491 0498 0509 0521 0529 0544 0598 0600 0608 0618 0625 0637 0644 0647 0660 0674 0675 0684 0761 0777 0796 0938 0956 0985 0998 1000 1020 1025 1036
AIH	0163 0164 0168 0169 0179 0193 0424 0437 0808 0823
AJM	0422 0528 0624 0626 0628 0630 0666 0775
ALK	0374 0406
AMC	0112 0293
AMM	0291 0292 0327 0336 0677 0781 0852 1006 1017
AMU	0550 0557 0582 0620 0631 0805 0908
ANA	0138 0139 0148 0151 0167 0170 0196 0212 0219 0245 0300 0328 0365 0383 0413 0482 0501 0507 0531 0534 0549 0554 0658 0669 0685 0802 0811 0963 1008 1042
AUA	0552 0570 0581 0768 0776 0797 0920 0935
AWE	0052 0053 0054 0055 0064 0065 0066 0067 0076 0077 0081 0082 0091 0092 0098 0099 0238 0271 0304 0315 0317 0448 0453 0455 0471 0584 0762 0770 0803 0856 0866 0889 0924 0931 0953 1003 1043 1049 1050 1056 1064 1075 1079
AZA	0434 0477 0488 0494 0495 0513 0514 0515 0516 0524 0526 0532 0576 0583 0586 0593 0599 0765 0819 0848 0940 0951 0959 0999
BAW	0006 0008 0011 0017 0018 0039 0042 0103 0109 0120
BMA	0806 0810 0835 0864 0934 0968 0974 1014 1045
C3J	0772 0799 0828 0883 0914
CDN	0174 0175 0210 0231 0232 0279 0283 0284 0302 0305 0309 0403 0404
CES	0925 1005 1028 1030 1070 1072
CIB	0774 0793 0809 0884 0894 0905 0957 0971

DATE : Dec 11/98

SERVICE BULLETIN No. : A320-21-1116

REVISION No. : 04 - Feb 02/00

Page : 2



# A319/A320/A321

## SERVICE BULLETIN

OPERATOR	MSN
CJG	0707 0724 0876 0921
CKT	0354 0357 0393 0394 0411 0443
CMM	0397 0409 0427 0579 0645 0671
CNW	0665 0754 0838 0854 0897 0909 0939 0967 0984 0986 1041
CSC	0540 0551 0556 0878 0915 0919 1013
CSN	0696 0698 0704 0705 0712 0718 0720 0722 0849 0859 0881 0895 0900 0950 0966 1035 1039 1057
CTN	0258 0767 0833 1009 1029
CYP	0028 0035 0037 0038 0180 0256 0295 0316
D2F	0344
DLH	0069 0070 0071 0072 0078 0083 0086 0093 0094 0104 0110 0111 0116 0117 0135 0137 0147 0161 0162 0172 0200 0201 0202 0209 0216 0217 0218 0267 0268 0269 0346 0382 0401 0412 0458 0468 0473 0474 0484 0493 0502 0505 0518 0560 0563 0564 0567 0595 0609 0610 0616 0623 0627 0636 0641 0651 0652 0679 0689 0692 0694 0699 0700 0717 0723 0729 0738 0744 0853 0860 0875 0887 0901 1080
EDW	0942 0947 1026
EIN	0815 0841 0926 0991 1023
EWG	0646 0654 0794 1016
FCL	0716 0730 0735
FIN	0941 0961 1073
FTI	0230 0338 0444
GFA	0313 0325 0345 0375 0419 0421 0438 0445 0459 0466 0481 0497 0537
HDA	0756 0784 0816 0877 0930 0993 1024
HVN	0590 0594 0601 0605 0607 0611 0617 0619 0648 0650
I2L	0527 0542 0543
IAC	0045 0046 0047 0048 0049 0050 0051 0056 0057 0058 0074 0075 0080 0089 0090 0095 0096 0097 0396 0398 0416 0423 0431 0432 0451 0469 0486 0490 0492 0499
IBE	0134 0136 0143 0146 0158 0173 0176 0177 0199 0207 0223 0224 0240 0241 0246 0264 0266 0274 0303 0312 0323 0356 0992 0994 1021 1027 1047 1059 1063 1067
IWD	0225 0308 0314 0879 0888
KAC	0181 0182 0195
LAJ	0376 0386 0480
LFA	0597 0604 0614
LRC	0425 0460 0461 0558 0561
LTU	0530
MEA	0640 0663 0668 0676
MON	0379 0389 0391 0392 0446 0633 0983 1015
MSR	0165 0166 0178 0194 0198 0351 0366 0680 0687 0715 0725
MXA	0252 0259 0260 0261 0275 0276 0280 0296 0320 0321 0353 0361 0368 0369 0433 0467

DATE : Dec 11/98

SERVICE BULLETIN No. : A320-21-1116

REVISION No. : 04 - Feb 02/00

Page : 3





# A319/A320/A321

## SERVICE BULLETIN

OPERATOR	MSN
NWA	0031 0032 0034 0040 0041 0060 0106 0107 0118 0121 0125 0152 0153 0160 0171 0192 0197 0206 0208 0213 0262 0263 0272 0273 0281 0282 0297 0298 0306 0307 0318 0319 0329 0339 0340 0355 0358 0360 0367 0372 0380 0381 0387 0388 0399 0400 0408 0410 0417 0418 0766 0778 0786 0801 0807 0818 0830 0832 0846 0903 0907 0911 0923 0962 0964 0981 0988 0996 1011 1037 1058 1062 1071 1078
OHY	0364 0385
OYC	0221 0222 0294 0299 0301
PAL	0706 0745 0753
QAF	0927
QTR	0928 0932 0943 0977
RJA	0087 0088 0289 0407 0569
RYN	0362 0363 0714
SAA	0243 0249 0250 0251 0334 0335 0440
SAB	0970 0995 1012 1048 1054 1068
SEU	0653 0657 0737 0749 0973
SHK	0322 0326 0478
SLK	0872 0899 0969 1074
SSV	0496 0525 0795
SWR	0517 0519 0520 0522 0533 0535 0541 0545 0548 0553 0559 0562 0566 0574 0577 0578 0585 0588 0596 0603 0612 0621 0629 0635 0642 0643 0664 0673 0681 0701 0703 0713 0727 0734 0782 0827 0870 0891 0987 1018
SYR	0886 0918 1032 1076
TAI	0733 0741 0747 0789 0874 0902 0912 0916 1007 1066
TAM	0976 1010
TAP	0185 0191 0234 0235 0395 0750 0755 0763 0790 0821 0837 0906 0917 0933 0945 0960 0979 0982 1034
TAR	0119 0123 0124 0205 0370 0390 0402 0511 0869 0880 0958 0975
TAS	0371 0814 0937
TLA	0247 0257 0405 0414 0415 0428 0429 0430 0476 0758 0760
TNA	0332 0441 0538 0555 0602 0606 0731 0746 0791 0812 0822
TRZ	0347 0373 0447 0573
TWJ	0913
UAL	0435 0439 0442 0450 0452 0454 0456 0457 0462 0463 0464 0465 0470 0472 0475 0479 0483 0485 0487 0489 0500 0503 0504 0506 0508 0510 0512 0523 0539 0568 0571 0587 0589 0592 0613 0638 0655 0678 0683 0686 0690 0702 0748 0751 0759 0780 0783 0788 0798 0804 0820 0824 0825 0826 0834 0836 0842 0843 0847 0850 0851 0857 0858 0862 0865 0867 0871 0873 0882 0893 0898 0944 0948 0952 0955 0965 0980 0989 1001 1022 1031

DATE : Dec 11/98

SERVICE BULLETIN No. : A320-21-1116

REVISION No. : 04 - Feb 02/00

Page : 4

OPERATOR	MSN
USA	0844 0861 0863 0868 0885 0890 0896 0904 0922 0929
	0936 0946 0949 0972 0997 1019 1033 1038 1040 1044
	1046 1051 1052 1055 1061 1065 1069 1077
VIR	0449 0764 0978
VLE	0189 0190 0343 0420 0436

This modification is embodied on MSN 1081 and subsequent.

(c) Effectivity by MSN and Kit/Configuration

None

(3) Spares

CPC	9022-15702-7
CPC	9022-15702-7A
CPC	9022-15702-8
CPC	9022-15702-9

**B. CONCURRENT REQUIREMENTS**

None

**C. REASON**

(1) History

Some operators have reported in flight warnings of the loss of cabin pressurization, caused by uncommanded movements of the outflow valve. In some cases the oxygen masks deployed.

(2) Objective/Action

This Service Bulletin advises customers of the issue of NORD-MICRO Service Bulletin No. 15702-21-006 (and 15702-21-005 and 15702-21-004 if necessary) which introduces modifications of the cabin pressure controllers 11HL and/or 12HL to prevent pressure loss caused by uncontrolled movement of the outflow valve.

(3) Advantages

This modification will prevent unwanted cabin depressurizations caused by uncontrolled movements of the outflow valve.

(4) Operational/Maintenance Consequences

None

**D. DESCRIPTION**

To accomplish this Service Bulletin it is necessary to :

- (1) Remove the existing cabin pressure controllers 11HL and/or 12HL from the electronics rack 90VU.
- (2) Modify the cabin pressure controllers 11HL and/or 12HL in accordance with NORD-MICRO Service Bulletin No. 15702-21-006 (and 15702-21-005 and 15702-21-004 if necessary).
- (3) Install the modified cabin pressure controllers 11HL and/or 12HL to the electronics rack 90VU.

DATE : Dec 11/98

SERVICE BULLETIN No. : A320-21-1116

REVISION No. : 04 - Feb 02/00

Page : 5

**E. COMPLIANCE**

## (1) Classification

Recommended

## (2) Accomplishment Timescale

Accomplishment of this Service Bulletin is recommended at the earliest opportunity where manpower and facilities are available.

**F. APPROVAL**

The technical content of this Service Bulletin has been approved under the authority of the DGAC Design Organisation Approval No. F.JA.02. If an aircraft listed in the effectivity has a modification or repair embodied that is not of Airbus origin, and which affects the content of this Service Bulletin, the operator is responsible for obtaining approval by its airworthiness authority for any adaptation necessary before incorporation of this Service Bulletin.

**G. MANPOWER**

The manpower estimates given in this Service Bulletin are based on the direct labor cost to do the work. These estimates assume that the work will be done by experienced personnel, and may need to be revised upwards to suit operators' circumstances. The estimates do not include the time to prepare, plan or inspect the work. Manufacture and procurement of parts and tools, drying times for paints, sealants, etc., and general administration work are also not included.

Get access	0.25
Removal/Installation	0.50
Test	0.50
Close-up	0.25
TOTAL MANHOURS	1.50
ELAPSED TIME (HOURS)	1.50

**H. WEIGHT AND BALANCE**

Not changed

**I. ELECTRICAL LOAD DATA**

Not changed

**J. REFERENCES**

Aircraft Maintenance Manual (AMM)	:	12-34-24 21-31-34
NORD-MICRO Service Bulletin No.	:	15702-21-004
		15702-21-005
		15702-21-006

**K. PUBLICATIONS AFFECTED**

Illustrated Parts Catalog (IPC)	:	21-31-08 21-31-34
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DATE : Dec 11/98

SERVICE BULLETIN No. : A320-21-1116

REVISION No. : 04 - Feb 02/00

Page : 6

**L. INTERCHANGEABILITY/MIXABILITY**

DESCRIPTION	OLD PART No.	NEW PART No.	INT	MIXABILITY
CPC	9022-15702-7	9022-15702-10	01	*
CPC	9022-15702-7A	9022-15702-10	01	*
CPC	9022-15702-8	9022-15702-10	01	*
CPC	9022-15702-9	9022-15702-10	01	*

NOTE : \* MIXABILITY YES, refer to NORD-MICRO Service Bulletin No. 15702-21-006.

NOTE : Under certain circumstances, manual activation of the autochannel system transfer by MODE SEL P/B from channel 2 to channel 1 may lead to a spurious system failure of channel 2. This may occur when CPC 9022-15702-10 is installed on channel 1 (Master CPC), combined with a CPC 9022-15702-7, 9022-15702-7A, 9022-15702-8 or 9022-15702-9 on channel 2 (Standby CPC) manual. The failure is resettable without further consequence.

DATE : Dec 11/98

SERVICE BULLETIN No. : A320-21-1116

REVISION No. : 04 - Feb 02/00

Page : 7

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**2. MATERIAL INFORMATION****A. MATERIAL – PRICE AND AVAILABILITY**

This Service Bulletin is the subject of an AIRBUS INDUSTRIE retrofit campaign. Modification of parts/equipment is at no charge for the customer. For the organisation of this retrofit, customers are kindly requested to contact AIRBUS INDUSTRIE retrofit management department. The address is :

AIRBUS INDUSTRIE  
CUSTOMER SERVICES DIRECTORATE  
1 Rond Point Maurice Bellonte  
31707 BLAGNAC CEDEX  
FRANCE  
Tel : (33) 5 61 93 33 33  
Telex: AIRBU 530526 F  
Fax : (33) 5 61 93 43 86

**B. INDUSTRY SUPPORT INFORMATION**

None

**C. LIST OF COMPONENTS**

ITEM	NEW PART No.	QTY	UM	KEYWORD	ITEM	OLD PART No.	INT	INST	DISP
1	9022-15702-10	2	EA	Control	(1)	9022-15702-8	01	(A)	
1	9022-15702-10	2	EA	Control	(1)	9022-15702-7	01	(A)	
1	9022-15702-10	2	EA	Control	(1)	9022-15702-9	01	(A)	
1	9022-15702-10	2	EA	Control	(1)	9022-15702-7A	01	(A)	

NOTE : For the definition of interchangeability codes in the column INT. refer to ATA 200 Chapter 1A-2.

NOTE : (A) in the column INST DISP :  
Two CPC's with the same or mixed PN of 9022-15702-7, 9022-15702-7A, 9022-15702-8 or 9022-15702-9 are installed. The QTY of 2 is given in case of modification of both CPC with this Service Bulletin, otherwise the QTY changes to 1.  
Vendor parts are to be purchased from : NORD-MICRO Elektronik Feinmechanik AG, refer to Service Bulletin No. 15702-21-006.

**D. LIST OF MATERIALS – OPERATOR SUPPLIED**

None

**E. PARTS TO BE RE IDENTIFIED BY THE OPERATOR**

None

**F. TOOLING – PRICE AND AVAILABILITY**

None

**G. SPECIAL TOOLS**

None

DATE : Dec 11/98

SERVICE BULLETIN No. : A320-21-1116

REVISION No. : 04 – Feb 02/00

Page : 9

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**3. ACCOMPLISHMENT INSTRUCTIONS****A. GENERAL**

**WARNING** : MAKE SURE THAT YOU OBEY ALL THE WARNINGS AND ALL THE CAUTIONS INCLUDED IN THE REFERENCED PROCEDURES.

**WARNING** : MAKE SURE THAT THE GROUND SAFETY-LOCKS ARE IN POSITION ON THE LANDING GEAR AND THE WHEEL CHOCKS ARE IN POSITION.

**WARNING** : MAKE SURE THAT NO AIR IS SUPPLIED TO THE AIR CONDITIONING SYSTEM FROM THE MAIN ENGINE, THE APU OR A GROUND SOURCE. HOT COMPRESSED AIR CAN CAUSE INJURY TO PERSONNEL.

**(1) Preparation**

- (a) Make sure that the aircraft is electrically grounded, refer to AMM 12-34-24 Page block 201.
- (b) Do the preparation for the removal of the Cabin Pressure Controller 11HL and/or 12HL, refer to AMM 21-31-34 Page block 401.

**(2) Standard Practices**

None

**B. MODIFICATION**

- (1) Remove the Cabin Pressure Controllers 11HL and/or 12HL PN 9022-15702-7, 9022-15702-7A, 9022-15702-8 or 9022-15702-9, item (1), refer to AMM 21-31-34 Page block 401 and refer to Figure 1 .

**(2) Modification of the Cabin Pressure Controller.**

- (a) Modify the Cabin Pressure Controller 9022-15702-9, item (1), in accordance with NORD-MICRO Service Bulletin No. 15702-21-006 .
- (b) Modify the Cabin Pressure Controller PN 9022-15702-7, 9022-15702-7A or 9022-15702-8, item (1), with NORD-MICRO Service Bulletin No. 15702-21-004 , Service Bulletin No. 15702-21-005 and Service Bulletin No. 15702-21-006 .

- (3) Re-identify the modified Cabin Pressure Controller in accordance with NORD-MICRO Service Bulletin No. 15702-21-006 .

- (4) Install the Cabin Pressure Controller 11HL and/or 12HL, item 1, refer to AMM 21-31-34 Page block 401 and refer to Figure 1 , Sheet 1 .

**NOTE** : If mixed configuration is required :

- make sure that the CPC PN 9022-15702-7, 9022-15702-7A, 9022-15702-8 or 9022-15702-9 is installed on channel 1,
- make sure that the CPC PN 9022-15702-10 is installed on channel 2.

In the case of reverse installation, manual activation of the autochannel system transfer by MODE SEL P/B from channel 2 to channel 1 may lead to a spurious system failure of

**DATE** : Dec 11/98

**SERVICE BULLETIN No.** : A320-21-1116

**REVISION No.** : 04 - Feb 02/00

**Page** : 11





# A319/A320/A321

## SERVICE BULLETIN

channel 2. This may occur when CPC 9022-15702-10 is installed on channel 1 (Master CPC), combined with a CPC 9022-15702-7, 9022-15702-7A, 9022-15702-8 or 9022-15702-9 on channel 2 (Standby CPC) manual. The failure is resettable without further consequence.

### C. TEST

- (1) Do the test of the Cabin Pressure Controller 11HL and/or 12HL, refer to AMM 21-31-34 Page block 401.

### D. CLOSE UP

- (1) Make sure that the work areas are clean and clear of tools and other items of equipment.
- (2) Do the close up after the installation of the Cabin Pressure Controller 11HL and/or 12HL, refer to AMM 21-31-34 Page block 401.

### E. DOCUMENTATION

Write in the applicable aircraft records that you have done all the work given in this Service Bulletin.

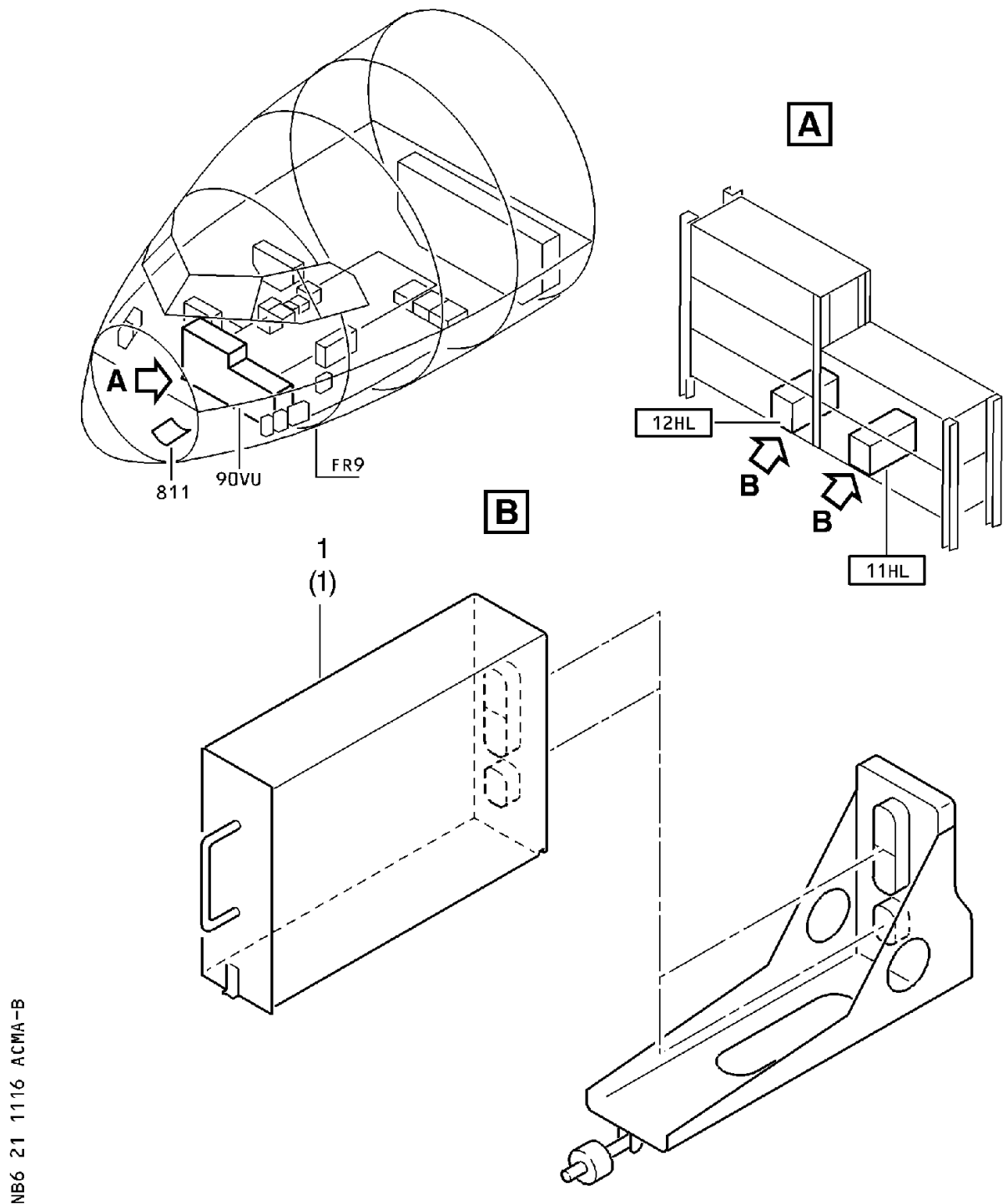


Figure 1 Sheet 1  
Removal/Installation of the Cabin Pressure Controller

DATE : Dec 11/98

SERVICE BULLETIN No. : A320-21-1116

REVISION No. : 04 - Feb 02/00

Page : 13

# A319/A320/A321

## SERVICE BULLETIN REPORTING SHEET

TITLE : AIR CONDITIONING - PRESSURE CONTROL AND MONITORING - INTRODUCE PRESSURE  
CONTROLLER PN 9022-15702-10

MODIFICATION No. : 28009K5801

Please complete the appropriate item :

Accepted for embodiment.....YES/NO

Embodied on MSN :.....

.....

Rejected YES/NO

If YES, please provide  
short explanation

From Airline : .....

Name/Title : .....

Signature : ..... Date : .....

### Important Information :

This SB will only be incorporated in your maintenance and operational documentation if this sheet is returned to Airbus Industrie and signed by a duly authorised representative. With the next feasible revision, this will result in

- updating of maintenance documentation to show pre and post SB data.
- updating of maintenance and operational documentation to show post SB data after embodiment.

If this SB requires previous or simultaneous accomplishment of other SBs, Airbus Industrie shall automatically include them in the manual revisions.

Refer to SIL 00-037 for detailed information

Please return this completed sheet to :

AIRBUS INDUSTRIE  
CUSTOMER SERVICES DIRECTORATE  
1 Rond Point Maurice Bellonte  
31707 BLAGNAC CEDEX FRANCE

Attn : AI/SE-D32 Technical Data and Documentation Services

FAX : (+33) 5 61 93 28 06

or via your Resident Customer Support Office.

Alternatively, SB lists via letters or fax are also accepted.

6 DATE : Dec 11/98

SERVICE BULLETIN No. : A320-21-1116

REVISION No. : 04 - Feb 02/00

Page : 1 of 1

# **A319/A320/A321**

## SERVICE BULLETIN QUALITY PERCEPTION FORM

Use this form to tell us what is your perception of the quality of this Service Bulletin. The reported data that you provide us will be used to analyse areas of difficulties and to take corrective action to further improve the quality of our Service Bulletins.

We thank you for the time you have taken in completing this form.

(Please rate on a scale of 1 to 4, with 4 being the highest score)

- Quality rating of this SB	4	3	2	1
- Quality rating of the Accomplishment Instructions	4	3	2	1
- Quality rating of the Illustrations	4	3	2	1
- Is this SB easy to understand ?	Y / N			

If you have had difficulties in the accomplishment of this SB please quote below the area(s) and give a short description of the issue.

Planning	Material	Instructions
X Effectivity	X Kit Content	X Preparation
X Reason	X List of Materials	X Mod/Inspection
X Manpower	Operator Supplied	X Test
X References	X Re-identification	X Close-up
X Publication	X Tooling	X Illustrations

Comments :

Operator :

Date:

Name/Title :

Please return this form to :

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CUSTOMER SERVICES DIRECTORATE  
1 Rond Point Maurice Bellonte  
31707 BLAGNAC CEDEX  
Attn : AI/SE-T1 Service Bulletins Management  
FAX : (33) 5 61 93 42 51

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6 DATE : Dec 11/98

SERVICE BULLETIN No. : A320-21-1116

REVISION No. : 04 - Feb 02/00

Page : 1 of 1