

AIRBUS
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31707 BLAGNAC CEDEX
FRANCE
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Telex : AIRBU 530526F
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ATA SYSTEM: 21

**TITLE: AIR CONDITIONING- GENERAL- CONDITIONED SERVICE AIR SYSTEM
(CSAS) - INSTALL IMPROVED CSAS CONTROL UNIT (CCU-K05)**

MODIFICATION No.: 152075K15181

This page transmits Revision No.01 of Service Bulletin No.A320-21-1197

ADDITIONAL WORK

****CONF ALL**

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

REASON

Revision 01 is issued to update the effectivity of this Service Bulletin.

CHANGES

PLANNING INFORMATION		
EFFECTIVITY	EFFECTIVITY RELATED INFORMATION UPDATED	R
Configuration definition		
CONF 001	CONFIGURATION DEFINITION UPDATED	R

FILLING 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

No previous revision

REVISION SEQUENCE

ORIGINAL: Feb 07/11

REVISION No. : 01 - Nov 21/13

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SERVICE BULLETIN
SUMMARY

AIRBUS
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1 Rond Point Maurice Bellonte
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Tel : (33) 5 61 93 33 33
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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- GENERAL- CONDITIONED SERVICE AIR SYSTEM
(CSAS) - INSTALL IMPROVED CSAS CONTROL UNIT (CCU-K05)**

****CONF ALL**

MODIFICATIONS

MODIFICATION CLASSIFICATION					
MAJOR	None				
MINOR	152075K15181				

NOTE: As per EASA IR 21, a minor change is one that has no appreciable effect on the mass, balance, structural strength, reliability, operational characteristics affecting the airworthiness of the product. All other changes are major changes.

REASON/DESCRIPTION/OPERATIONAL CONSEQUENCES

In-Service experience has identified necessary improvements in the system functionality of the Conditioned Service Air System (CSAS) Control Unit PN 3959A0000K04.

This Service Bulletin has been issued to inform operators of the issue of LIEBHERR AEROSPACE Service Bulletin No. 3959A-21-02, which updates the CSAS Control Unit software from PN 3959A1000S18 to PN 3959A1000S26.

Furthermore, it is necessary to re-identify the CSAS Control Unit from the PN 3959A0000K04 to PN 3959A0000K05.

After accomplishment of this Service Bulletin the subsequent improvements will be introduced:

- New functionalities:
 - . CSAS Isolation Valve (CIV) open on ground (to avoid In-Flight Turn-Backs)
 - . Bleed Increase Demand Function
- Improved Robustness
- Improved Troubleshooting
- Avoidance of additional cycles of the CIV in order to increase life-time.

6 DATE: Feb 07/11

SERVICE BULLETIN No.: A320-21-1197

REVISION No.: 01 - Nov 21/13

Page: 1

SERVICE BULLETIN
SUMMARY**GENERAL EVALUATION**

EVALUATION TABLE			
COMPLIANCE	RECOMMENDED (1)	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

NOTE (1): Service Bulletin recommended to be accomplished to prevent significant operational disruptions.

MATERIAL PRICE INFORMATION

MATERIAL PRICE INFORMATION TABLE			
MATERIAL SET	QTY PER A/C	PRICE PER A/C (USD)	MAIN PARTS
Equipment BFEZ01	1	See SB	CSAS

EFFECTIVITY

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

DAL FFT JBU SVA USA VRD

CONCURRENT REQUIREMENTS

Accomplishment of this Service Bulletin requires the prior or simultaneous accomplishment of the following Service Bulletin(s) or the equivalent production modification(s):

Service Bulletin No. 21-1196 Mod. No. 151673

REFERENCES / REPERCUSSIONS

TFU	None
OEB	None
AOT	None
SIL	None
LINE MAINTENANCE AFFECTED	No
LIFE LIMIT	None
OTHER	None

NATURE OF THE WORK

AIRCRAFT	NO
EQUIPMENT	YES
HARD	YES
SOFT	YES
OBRM	NO

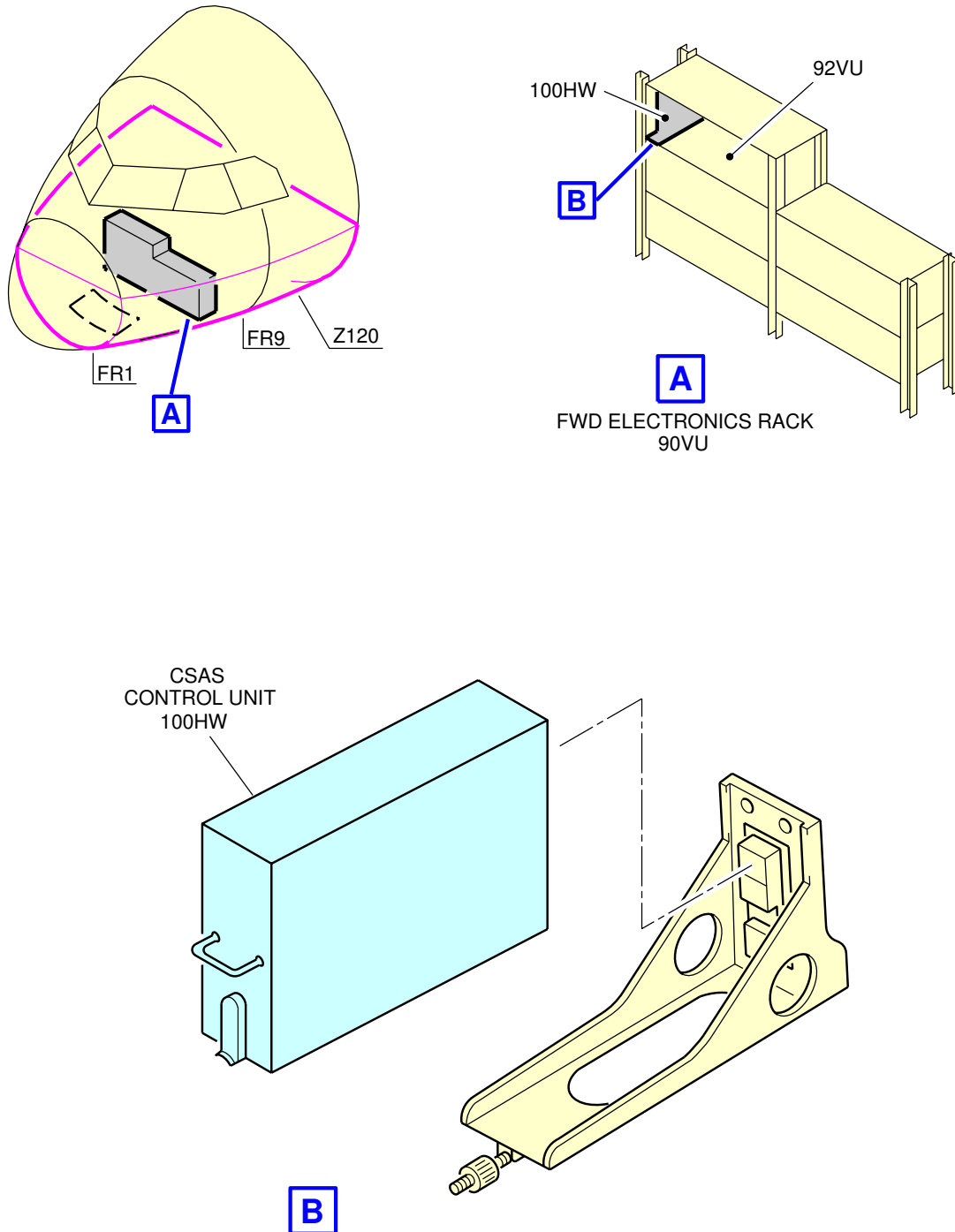
SERVICE BULLETIN
SUMMARY**MANPOWER**

Task 211197-831-848-001: Modification	
TOTAL MANHOURS	2.25
ELAPSED TIME (HOURS)	2.25
Additional manhours related to Vendor SB; refer to:	
Modify the CSAS Controller	LIEBHERR AEROSPACE Service Bulletin No. 3959A-21-02

APPENDICES

None

****CONF ALL**



N_SB_211197_6_SAAA_01_01

Figure A-GSAAA - Sheet 01

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ATA SYSTEM: 21

**TITLE: AIR CONDITIONING- GENERAL- CONDITIONED SERVICE AIR SYSTEM
(CSAS) - INSTALL IMPROVED CSAS CONTROL UNIT (CCU-K05)**

MODIFICATION No.: 152075K15181

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1. PLANNING INFORMATION

****CONF ALL**

A. EFFECTIVITY

(1) Models

319-112 319-114 319-115 319-132 320-211 320-212 320-214 320-232
321-211 321-231

(2) Effectivity by MSN

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 0408 0410 0417-0418 0448 0565 0584
0762 0766 0770 0778 0786 0801 0803 0807 0818 0830 0832 0844 0846 0856 0861
0863 0866 0868 0885 0889-0890 0896 0903-0904 0907 0911 0922-0924 0929 0931
0953 0962 0964 0972 0981 0988 0996-0997 1003 1011 1019 1033 1037-1038 1040
1043 1046 1049-1052 1055-1056 1058 1061-1062 1064-1065 1069 1075 1079 1083
1088 1095 1097 1109-1112 1114 1116 1122-1123 1134-1135 1141 1148 1156 1166
1173 1178 1182 1191 1196 1203 1205 1223-1224 1230 1234-1235 1245 1249 1254
1264-1265 1268-1269 1274-1275 1281 1284 1287 1289 1294 1297-1298 1301
1310-1311 1313-1315 1317 1319 1323-1326 1328 1331 1340 1342 1346 1348 1350
1354 1358 1360 1369 1371 1373 1375 1378 1382 1389 1391-1393 1395 1397 1403
1406 1410 1412 1414 1417 1419 1425 1431 1434 1436 1442 1447 1453 1455-1456
1462-1463 1465 1472 1481 1483 1490 1492 1496 1498-1499 1501 1517 1519-1521
1525 1527 1531 1534-1536 1539 1543 1547 1549 1552 1563 1565 1567 1570 1576
1582 1610 1621 1633 1641 1643-1644 1646 1651 1659 1662 1666 1683 1685 1693

SERVICE BULLETIN

1701 1704-1705 1709-1710 1714 1724 1738-1739 1746 1752 1764 1766 1774 1784
 1789 1792 1796 1800 1810 1812 1815 1820 1824 1828 1833 1839 1844 1849 1861
 1875 1897-1898 1904 1915 1917 1923 1927 1935 1948 1959 1976 1982 1990 2002
 2006 2013 2020 2026 2031 2039 2042 2047 2063 2075 2082 2087 2092 2095 2150
 2159-2160 2177 2193 2201 2215 2231 2246 2259 2302 2312 2405 2422 2430 2458
 2482 2504 2520 2535 2570 2577 2580 2595 2613 2615-2616 2630 2640 2647 2669
 2671 2674 2690 2710 2725 2740 2755 2773 2778 2781 2800 2802 2811 2814 2830
 2832 2848 2851 2871 2880 2900 2945 2970 2977 2992-2993 3029 3037 3039 3072
 3091 3101 3119 3135 3150 3155 3181 3190 3204 3228 3230 3263 3287 3324
 3347-3348 3359 3381 3398 3416-3417 3445 3451 3460 3465 3479 3488 3503 3572
 3584 3622 3629 3633 3659 3684 3686 3707 3712 3724 3740 3760 3796 3800 3811
 3858 3879 3881 3924 3928 3944 3960 3977 3989 3993 4025 4041 4050 4082 4086
 4107 4123 4134 4149 4202 4242 4253 4272 4307 4376 4391-4394 4467

(3) 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. 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.

OPERATOR	MSN
DAL	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 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 1191 1230 1249 1324 1325 1346 1392 1414 1434 1453 1456 1483 1498 1501 1520 1535 1543 1549 1567 1570 1582 1633 1641 1646 1659 1662 1683 1685 1693 1709 1714 1738 1746 1752 1766 1774 1789 1796 1800 1810 1812 1815 1820 1824 1828 1833 1839 1875 1897 1923 1959 1976 1982 1990 2002 2013 2026 2039 2047 2082 2087 2092 2095
FFT	4253 4272 4307
JBU	1123 1156 1173 1235 1610 1705 1739 1784 1849 1861 1898 1904 1915 1917 1927 1948 2006 2020 2031 2042 2063 2075 2150 2159 2160 2177 2201 2215 2231 2246 2259 2504 2520 2535 2577 2580 2640 2647 2671 2710 2725 2755 2781 2802 2814 2832 2848 2871 2880 2900 2945 2970 2977 2992 3029 3039 3072 3091 3119 3150 3190 3228 3263 3287 3348 3381 3416 3451 3479 3488 3572 3622 3659 3707 3724 3760 3800 3811
SVA	4376 4391 4392 4393 4394 4467

A318/A319/A320/A321

SERVICE BULLETIN

OPERATOR	MSN
USA	0448 0565 0584 0762 0770 0803 0844 0856 0861 0863 0866 0868
	0885 0889 0890 0896 0904 0922 0924 0929 0931 0953 0972 0997
	1003 1019 1033 1038 1040 1043 1046 1049 1050 1051 1052 1055
	1056 1061 1064 1065 1069 1075 1079 1083 1088 1095 1097 1109
	1110 1111 1112 1114 1116 1122 1134 1135 1141 1148 1166 1178
	1182 1196 1203 1205 1223 1224 1234 1245 1254 1264 1265 1268
	1269 1274 1275 1281 1284 1287 1289 1294 1297 1298 1301 1310
	1311 1313 1314 1315 1317 1319 1323 1326 1328 1331 1340 1342
	1348 1350 1354 1358 1360 1369 1371 1373 1375 1378 1382 1389
	1391 1393 1395 1397 1403 1406 1410 1412 1417 1419 1425 1431
	1436 1442 1447 1455 1462 1463 1465 1472 1481 1490 1492 1496
	1499 1517 1519 1521 1525 1527 1531 1534 1536 1539 1547 1552
	1563 1565 1576 1621 1643 1644 1651 1666 1701 1704 1710 1724
	1764 1792 1844 1935 2193 2302 2312 2405 2422 2430 2458 2482
	2570 2595 2613 2615 2630 2669 2690 3584 3629 3633 3712 3740
	3796 3858 3879 3881 3924 3928 3944 3960 3977 3989 3993 4025
	4041 4050 4082 4086 4107 4123 4134 4149 4202 4242
VRD	2616 2674 2740 2773 2778 2800 2811 2830 2851 2993 3037 3101
	3135 3155 3181 3204 3230 3324 3347 3359 3398 3417 3445 3460
	3465 3503 3684 3686

SERVICE BULLETIN

(4) Configuration by MSN

MSN	CONFIGURATION
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 0408 0410 0417 0418 0448 0565 0584 0762 0766 0770 0778 0786 0801 0803 0807 0818 0830 0832 0844 0846 0856 0861 0863 0866 0868 0885 0889 0890 0896 0903 0904 0907 0911 0922 0923 0924 0929 0931 0953 0962 0964 0972 0981 0988 0996 0997 1003 1011 1019 1033 1037 1038 1040 1043 1046 1049 1050 1051 1052 1055 1056 1058 1061 1062 1064 1065 1069 1075 1079 1083 1088 1095 1097 1109 1110 1111 1112 1114 1116 1122 1123 1134 1135 1141 1148 1156 1166 1173 1178 1182 1191 1196 1203 1205 1223 1224 1230 1234 1235 1245 1249 1254 1264 1265 1268 1269 1274 1275 1281 1284 1287 1289 1294 1297 1298 1301 1310 1311 1313 1314 1315 1317 1319 1323 1324 1325 1326 1328 1331 1340 1342 1346 1348 1350 1354 1358 1360 1369 1371 1373 1375 1378 1382 1389 1391 1392 1393 1395 1397 1403 1406 1410 1412 1414 1417 1419 1425 1431 1434 1436 1442 1447 1453 1455 1456 1462 1463 1465 1472 1481 1483 1490 1492 1496 1498 1499 1501 1517 1519 1520 1521 1525 1527 1531 1534 1535 1536 1539 1543 1547 1549 1552 1563 1565 1567 1570 1576 1582 1610 1621 1633 1641 1643 1644 1646 1651 1659 1662 1666 1683 1685 1693 1701 1704 1705 1709 1710 1714 1724 1738 1739 1746 1752 1764 1766 1774 1784 1789 1792 1796 1800 1810 1812 1815 1820 1824 1828 1833 1839 1844 1849 1861 1875 1897 1898 1904 1915 1917 1923 1927 1935 1948 1959 1976 1982 1990 2002 2006 2013 2020 2026 2031 2039 2042 2047 2063 2075 2082 2087 2092 2095 2150 2159 2160 2177 2193 2201 2215 2231 2246 2259 2302 2312 2405 2422 2430 2458 2482 2504 2520 2535 2570 2577 2580 2595 2613 2615 2616 2630 2640 2647 2669 2671 2674 2690 2710 2725 2740 2755 2773 2778 2781 2800 2802 2811 2814 2830 2832 2848 2851 2871 2880 2900 2945 2970 2977 2992 2993 3029 3037 3039 3072 3091 3101 3119 3135 3150 3155 3181 3190 3204 3228 3230 3263 3287 3324 3347 3348 3359 3381 3398 3416 3417 3445 3451 3460 3465 3479 3488 3503 3572 3584 3622 3629 3633 3659 3684 3686 3707 3712 3724 3740 3760 3796 3800 3811 3858 3879 3881 3924 3928 3944 3960 3977 3989 3993 4025 4041 4050 4082 4086 4107 4123 4134 4149 4202 4242 4253 4272 4307 4376 4391 4392 4393 4394 4467	001

(5) Configuration definition

****CONF 001**

Config. 001 is valid for all the aircraft given in the effectivity of this Service Bulletin as a standard configuration.

(6) Material Effectivity

MATERIAL	QTY PER A/C	SEE NOTES
Equipment BFEZ01	1	

B. CONCURRENT REQUIREMENTS

Accomplishment of this Service Bulletin requires the prior or simultaneous accomplishment of the following Service Bulletin(s) or the equivalent production modification(s):

Service Bulletin No. 21-1196 Mod. No. 151673

C. REASON

(1) History

In-Service experience has identified necessary improvements in the system functionality of the Conditioned Service Air System (CSAS) Control Unit PN 3959A0000K04.

This Service Bulletin has been issued to inform operators of the issue of LIEBHERR AEROSPACE Service Bulletin No. 3959A-21-02, which updates the CSAS Control Unit software from PN 3959A1000S18 to PN 3959A1000S26.

(2) Objective/Action

Furthermore, it is necessary to re-identify the CSAS Control Unit from the PN 3959A0000K04 to PN 3959A0000K05.

(3) Advantages

After accomplishment of this Service Bulletin the subsequent improvements will be introduced:

- New functionalities:
 - . CSAS Isolation Valve (CIV) open on ground (to avoid In-Flight Turn-Backs)
 - . Bleed Increase Demand Function
- Improved Robustness
- Improved Troubleshooting
- Avoidance of additional cycles of the CIV in order to increase life-time.

(4) Operational/Maintenance Consequences

None

D. DESCRIPTION

To accomplish this Service Bulletin it is necessary to :

Task 211197-831-848-001: Modification

- (1) Remove the CSAS Controller
- (2) Modify the CSAS Controller
- (3) Install the CSAS Controller

E. COMPLIANCE

- (1) Classification

RECOMMENDED: Service Bulletin recommended to be accomplished to prevent significant operational disruptions.

- (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 document is approved under the authority of Design Organisation Approval No. EASA.21J.031.

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 the 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 operator's 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.

Task 211197-831-848-001: Modification	
Get Access	0.50
On Aircraft	
Remove the CSAS Controller	0.25
Install the CSAS Controller	0.25
Tests	0.50
Close-Up	0.75
TOTAL MANHOURS	2.25
ELAPSED TIME (HOURS)	2.25
Additional manhours related to Vendor SB; refer to:	
Modify the CSAS Controller	LIEBHERR AEROSPACE Service Bulletin No. 3959A-21-02

H. WEIGHT AND BALANCE

Not Changed

I. ELECTRICAL LOAD DATA

Not Changed

J. REFERENCES

Aircraft Maintenance Manual (AMM)	06-20-00 12-34-24 24-42-00	06-31-53 21-58-00 52-41-00	06-41-53 21-58-34
ATA Common Support Data Dictionary (CSDD), Chapter 2			
Elec. Std. Practices Manual (ESPM)	20-55-00		
Vendor Service Bulletin (VSB)	LIEBHERR AEROSPACE Service Bulletin No. 3959A-21-02		

K. PUBLICATION AFFECTED

Illustrated Parts Catalog (IPC)	21-58-08
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L. INTERCHANGEABILITY/MIXABILITY

DESCRIPTION	OLD PART N°	NEW PART N°	INT	MIXABILITY	SEE NOTES
Controller-CSAS	3959A0000K04	3959A0000K05	02	Not Applicable	

NOTE: For definitions of interchangeability codes in column INT., refer to ATA Common Support Data Dictionary (CSDD), Chapter 2.

M. SPARES

Controller-CSAS 3959A0000K04

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2. MATERIAL INFORMATION****CONF ALL****A. MATERIAL - PRICE AND AVAILABILITY****(1) Procurement Addresses**

Equipment BFEZ01	Modification of removed equipment should be negotiated directly with LIEBHERR AEROSPACE TOULOUSE SAS as per instructions given in Service Bulletin No. 3959A-21-02
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(2) Price and Availability

Refer to the vendor Service Bulletin 3959A-21-02 for the equipment modification sales terms.

B. INDUSTRY SUPPORT INFORMATION

Refer to the Vendor Service Bulletin 3959A-21-02 for the industry support terms.

C. LIST OF COMPONENTS

No Kit

D. LIST OF MATERIALS - OPERATOR SUPPLIED**(1) Consumable Materials**

None

(2) Components

None

(3) Equipment

Equipment BFEZ01

ITEM	NEW PART N°	QTY (UM)	KEYWORD	ITEM	OLD PART N°	INT	SEE NOTES
1	3959A0000K05	1	CONTRLLR	(1)	3959A0000K04	02	

NOTE: For definitions of interchangeability codes in column INT., refer to ATA Common Support Data Dictionary (CSDD), Chapter 2.

E. PARTS TO BE RE-IDENTIFIED BY OPERATOR

None

F. TOOLING

- (1) Tooling - Price and Availability

Refer to the Vendor Service Bulletin 3959A-21-02.

- (2) Tools

None

- (3) Special Tools

None

3. ACCOMPLISHMENT INSTRUCTIONS

Task 211197-831-848-001 - Modification

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

CAUTION: ALWAYS OBEY THE PRECAUTIONS THAT FOLLOW TO KEEP ELECTRICAL WIRING IN A SATISFACTORY CONDITION (ELECTRICALLY AND MECHANICALLY SERVICEABLE). WHEN YOU DO MAINTENANCE WORK, REPAIRS OR MODIFICATIONS, ALWAYS KEEP ELECTRICAL WIRING, COMPONENTS AND THE WORK AREA AS CLEAN AS POSSIBLE. TO DO THIS:

PUT PROTECTION, SUCH AS PLASTIC SHEETING, CLOTHS, ETC; AS NECESSARY ON WIRING AND COMPONENTS.

REGULARLY REMOVE ALL SHAVINGS, UNWANTED MATERIAL AND OTHER CONTAMINATION.

THESE PRECAUTIONS WILL DECREASE THE RISK OF CONTAMINATION AND DAMAGE TO THE ELECTRICAL WIRING INSTALLATION.

IN CASE OF CONTAMINATION REFER TO ESPM 20-55-00.

Task Associated Data

Zone	
120	
Modified FIN	
100HW	
Manpower	
TOTAL MANHOURS	2.25
ELAPSED TIME (HOURS)	2.25
Additional manhours related to Vendor SB; refer to:	
LIEBHERR AEROSPACE Service Bulletin No. 3959A-21-02	

A. GENERAL

(1) Subtask 211197-910-201-001 - Standard Practices

Manpower Resources	
Skills	NON SPECIFIC
References	
Aircraft Maintenance Manual (AMM)	06-20-00, Page Block 001 06-31-53, Page Block 001 06-41-53, Page Block 001

(a) For identification of aircraft zones (Refer to AMM 06-20-00, Page Block 001).

(b) For identification of aircraft Frames (FR) (Refer to AMM 06-31-53, Page Block 001).

(c) For identification of doors (Refer to AMM 06-41-53, Page Block 001).

(2) Subtask 211197-839-201-001 - Documentation

Manpower Resources	
Skills	NON SPECIFIC

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

B. PREPARATION

(1) Subtask 211197-941-201-001 - Job Set-up

Manpower Resources	
Skills	CABIN ELECTRICAL

References	
Aircraft Maintenance Manual (AMM)	Task 12-34-24-869-002 Task 24-42-00-861-001 Task 52-41-00-010-002

(a) Make sure that the aircraft is electrically grounded (Refer to AMM Task 12-34-24-869-002).

(b) Energize the aircraft ground service network (Refer to AMM Task 24-42-00-861-001).

(c) Put an access platform in position at the access door 811.

(d) Open the access door 811 (Refer to AMM Task 52-41-00-010-002).

C. PROCEDURE

(1) Subtask 211197-020-201-001 - Remove the CSAS Controller

Work Zones and Access Panels		
	Zone	Access/Work location
	120	

Manpower Resources	
Manhours	0.25
Minimum number of person	1
Subtask elapsed time	0.25
Skills	ELECTRICAL

References	
Aircraft Maintenance Manual (AMM)	Task 21-58-34-000-001

References	
Fig. A-GBAAA Replace the CSAS Control Unit	Sheet 01

- (a) Remove, refer to AMM Task 21-58-34-000-001 and [Fig. A-GBAAA Sheet 01](#):

FIN 100HW

1 Controller-CSAS 3959A0000K04 Item (1)

(2) Subtask 211197-831-201-001 - Modify the CSAS Controller

Work Zones and Access Panels		
	Zone	Access/Work location
	120	

References	
Vendor Service Bulletin (VSB)	LIEBHERR AEROSPACE 3959A-21-02
Fig. A-GBAAA Replace the CSAS Control Unit	Sheet 01

- (a) Modify the CSAS Control Unit as given in LIEBHERR AEROSPACE Service Bulletin No. 3959A-21-02.

(3) Subtask 211197-420-201-001 - Install the CSAS Controller

Work Zones and Access Panels		
	Zone	Access/Work location
	120	

Manpower Resources	
Manhours	0.25
Minimum number of person	1
Subtask elapsed time	0.25
Skills	ELECTRICAL

Material necessary to do the job

Equipment BFEZ01				
ITEM	NEW PART N°	QTY (UM)	KEYWORD	SEE NOTES
1	3959A0000K05	1	CONTRLLR	

References	
Aircraft Maintenance Manual (AMM)	Task 21-58-34-400-001
Fig. A-GBAAA Replace the CSAS Control Unit	Sheet 01

- (a) Install, refer to AMM Task 21-58-34-400-001 and [Fig. A-GBAAA Sheet 01](#):

FIN 100HW

1 Controller-CSAS 3959A0000K05 Item 1

D. TEST**(1) Subtask 211197-710-201-001 - Operational**

Manpower Resources	
Skills	ELECTRICAL

References	
Aircraft Maintenance Manual (AMM)	Task 21-58-00-710-001

- (a) Do the operational test of the Conditioned Service Air System (Refer to AMM Task 21-58-00-710-001).

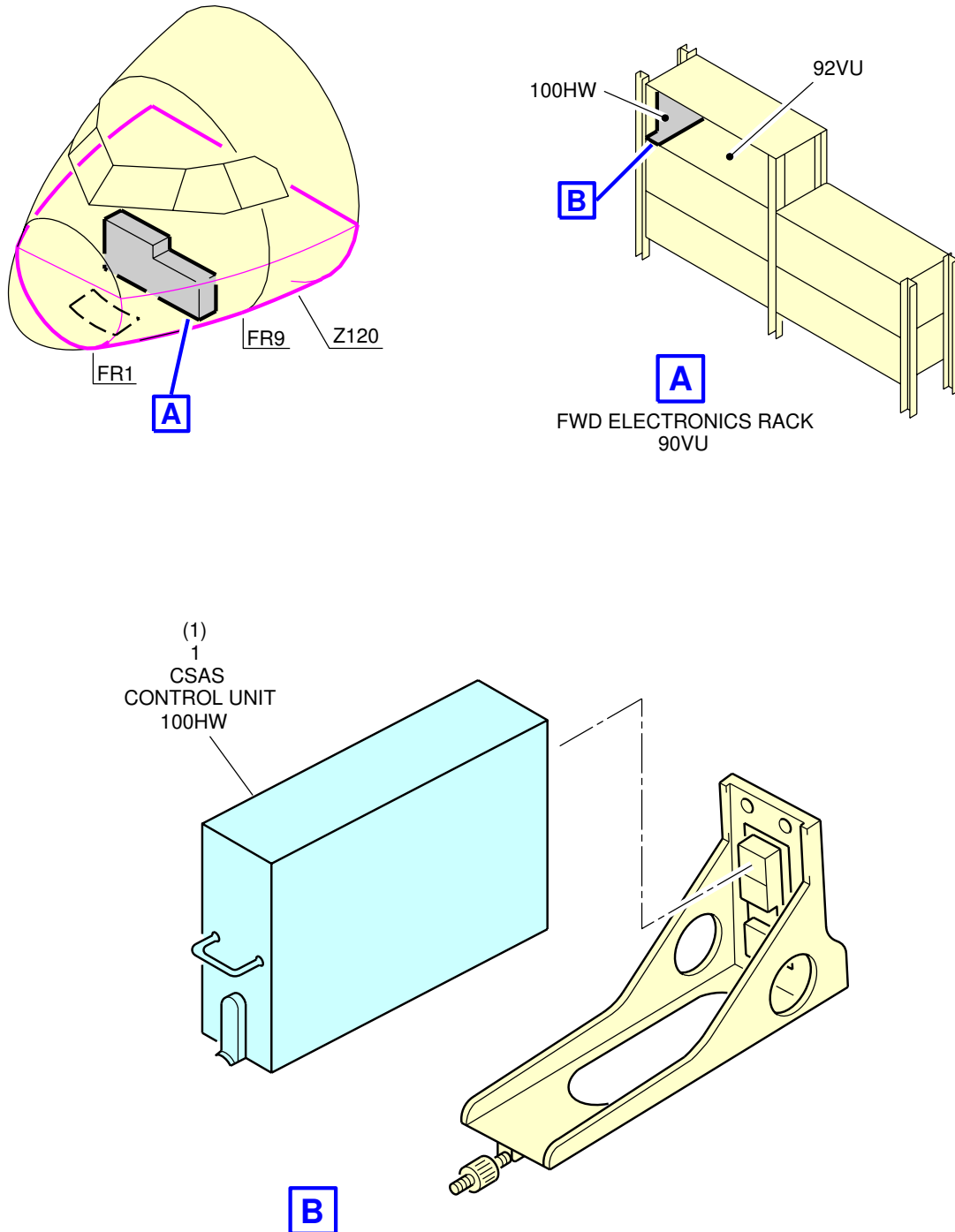
E. CLOSE-UP**(1) Subtask 211197-942-201-001 - Close-up**

Manpower Resources	
Skills	ELECTRICAL CABIN

References	
Aircraft Maintenance Manual (AMM)	Task 24-42-00-862-002 Task 52-41-00-410-002

- (a) Make sure that the work areas are clean and clear of tools and other items of equipment.
- (b) Close the access door 811 (Refer to AMM Task 52-41-00-410-002).
- (c) Remove the access platform.
- (d) De-energize the aircraft ground service network (Refer to AMM Task 24-42-00-862-002).

****CONF ALL**



N_SB_211197_6_BAAA_01_01

Figure A-GBAAA - Sheet 01
Replace the CSAS Control Unit

SERVICE BULLETIN
REPORTING SHEET**TITLE: AIR CONDITIONING- GENERAL- CONDITIONED SERVICE AIR SYSTEM
(CSAS) - INSTALL IMPROVED CSAS CONTROL UNIT (CCU-K05)**

MODIFICATION No.: 152075K15181

Please complete the appropriate item (A or B):

A - SB WILL BE embodied YES/NO (if NO please comment)
If YES, aircraft concerned (as per SB effectivity by default) and planned dates (month/year) of
embodiment:

B - SB HAS BEEN embodied on aircraft:

Operator comments:

From Airline:

Name/Title:

Signature:

Date:

If operational documentation is affected (see Paragraph 1.K of this SB): If information is needed prior to
next normal revision or prior to SB embodiment, please indicate required service(s):

Either: Modification Operational Impact (MOI), if available

YES/NO

Or : Intermediate revision

YES/NO

Important Information: This SB will only be incorporated in your maintenance and operational
documentation if this sheet is returned to Airbus 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 shall automatically
include them in the manual revisions. Refer to SIL 00-037 for detailed information.

Please return this completed sheet to:

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

Attn: SDC32 Technical Data and Documentation Services

FAX: (+33) 5 61 93 28 06

e-mail: sb.reporting@airbus.com

or via your Resident Customer Support Office.

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

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 Operator Supplied	X Mod/Inspection
X Manpower	X Industry support	X Test
X References	X Re-identification	X Close-Up
X Publication	X Tooling	X Illustrations

Comments:

Operator:

Date:

Name/Title:

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