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31707 BLAGNAC CEDEX
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ATA SYSTEM: 21

**TITLE: AIR CONDITIONING - CONDITIONED SERVICE AIR SYSTEM (CSAS) -
INSTALLATION OF IMPROVED CSAS CONTROL UNIT (CCU)**

MODIFICATION No.: 151673K15121

This page transmits Revision No.01 of Service Bulletin No.A320-21-1196

ADDITIONAL WORK

****CONF ALL**

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

REASON

Revision No.1 issued to update the effectivity and the concurrent requirement paragraph.

CHANGES

SUMMARY		
REASON/DESCRIPTION/OPERATIONAL CONSEQUENCES	REASON UPDATED	R
EFFECTIVITY	OPERATOR LIST UPDATED	R
CONCURRENT REQUIREMENTS	CONCURRENT REQUIREMENTS UPDATED	R
PLANNING INFORMATION		
EFFECTIVITY	EFFECTIVITY RELATED INFORMATION UPDATED	R
CONCURRENT REQUIREMENTS	CONCURRENT SB LIST UPDATED	R
REASON		
History	HISTORY UPDATED	R
INTERCHANGEABILITY/MIXABILITY	INTERCHANGEABILITY/MIXABILITY UPDATED	R
SPARES	SPARES UPDATED PART NUMBER DESCRIPTION UPDATED	R
MATERIAL INFORMATION		
LIST OF MATERIALS - OPERATOR SUPPLIED		
Equipment		
Equipement BFEZ01	PART MATERIAL SET UPDATED	R
ACCOMPLISHMENT INSTRUCTIONS		
TASK 211196- 831-848-001-Modification		

SERVICE BULLETIN
REVISION TRANSMITTAL SHEET

Subtask 211196-831-201-001	SUBTASK SOLUTION UPDATED PART NUMBER DESCRIPTION UPDATED	R
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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: Sep 28/10

REVISION No. : 01 - Jan 27/11

SERVICE BULLETIN
SUMMARY

AIRBUS
CUSTOMER SERVICES DIRECTORATE
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 - CONDITIONED SERVICE AIR SYSTEM (CSAS) -
INSTALLATION OF IMPROVED CSAS CONTROL UNIT (CCU)**

****CONF ALL**

MODIFICATIONS

MODIFICATION CLASSIFICATION					
MAJOR	None				
MINOR	151673K15121				

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 some deviations in the Conditioned Service Air System (CSAS) software PN 3959A0000K03.

- CSAS Control Unit does not calculate the value for CSAS_GO during power up.
- Fuel Tank Interting System (FTIS) creates inconsistent failure reports.

This Service Bulletin has been issued to inform operators of the issue of LIEBHERR AEROSPACE Service Bulletin No. 3959A-21-01, which modifies the CSAS software.

This modification details the change of the CSAS Control Unit from the PN 3959A0000K03 to PN 3959A0000K04.

After accomplishment of this Service Bulletin the CSAS Control Unit is improved and prevents failure reports from the Fuel Tank Interting System (FTIS).

The Operational/Maintenance Consequences of this Service Bulletin are covered by the update of the affected publications detailed in 'PLANNING INFORMATION'

GENERAL EVALUATION

EVALUATION TABLE			
COMPLIANCE	RECOMMENDED (1)	CANCELS INSPECTION SB	NO

6 DATE: Sep 28/10

SERVICE BULLETIN No.: A320-21-1196

REVISION No.: 01 - Jan 27/11

Page: 1

SERVICE BULLETIN
SUMMARY

EVALUATION TABLE			
POTENTIAL AD	NO	A/C OPERATION AFFECTED	YES
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.	A320-47-1002	Mod. No.	38051K11647
	A320-47-1004		38051K11647
	A320-47-1007		38051K11647

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	NO
OBRM	NO

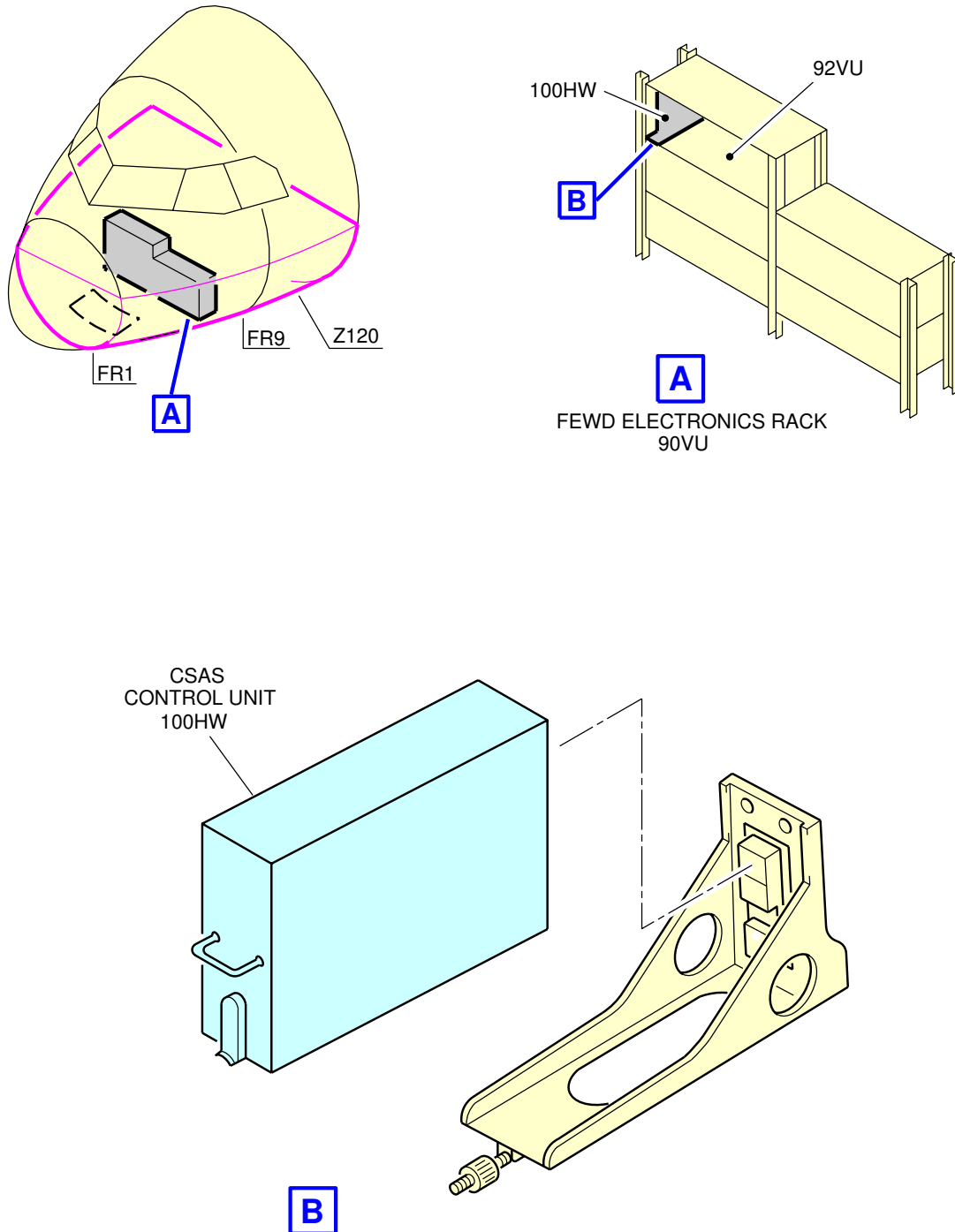
SERVICE BULLETIN
SUMMARY**MANPOWER**

Task 211196-831-848-001: Modification	
TOTAL MANHOURS	2.50
ELAPSED TIME (HOURS)	2.50

APPENDICES

None

****CONF ALL**



N_SB_211196_6_SAAA_01_00

Figure A-GSAAA - Sheet 01

AIRBUS
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ATA SYSTEM: 21

**TITLE: AIR CONDITIONING - CONDITIONED SERVICE AIR SYSTEM (CSAS) -
INSTALLATION OF IMPROVED CSAS CONTROL UNIT (CCU)**

MODIFICATION No.: 151673K15121

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1. PLANNING INFORMATION

****CONF ALL**

A. EFFECTIVITY

(1) Models

319-112 319-114 319-132 320-211 320-212 320-214 320-232 321-211
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 0584 0766 0778
0786 0801 0807 0818 0830 0832 0846 0868 0903 0907 0911 0923 0962 0964 0981
0988 0996 1011 1019 1037 1050 1052 1056 1058 1061-1062 1064 1075 1079 1083
1109-1110 1114 1134 1141 1148 1166 1178 1191 1196 1205 1223-1224 1230 1234
1245 1249 1264 1268-1269 1274 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
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 1849 1861 1875
1897-1898 1904 1915 1917 1923 1927 1948 1959 1976 1982 1990 2002 2006 2013

2020 2026 2031 2039 2042 2047 2063 2075 2082 2087 2092 2095 2312 2405 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 3584 3684 3686
 3712 3928 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	1610 1705 1739 1784 1849 1861 1898 1904 1915 1917 1927 1948 2006 2020 2031 2042 2063 2075 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
SVA	4376 4391 4392 4393 4394 4467
USA	0584 0868 1019 1050 1052 1056 1061 1064 1075 1079 1083 1109 1110 1114 1134 1141 1148 1166 1178 1196 1205 1223 1224 1234 1245 1264 1268 1269 1274 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 2312 2405 2482 2570 2595 2613 2615 2630 2669 2690 3584 3712 3928
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

(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 0584 0766 0778 0786 0801 0807 0818 0830 0832 0846 0868 0903 0907 0911 0923 0962 0964 0981 0988 0996 1011 1019 1037 1050 1052 1056 1058 1061 1062 1064 1075 1079 1083 1109 1110 1114 1134 1141 1148 1166 1178 1191 1196 1205 1223 1224 1230 1234 1245 1249 1264 1268 1269 1274 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 1849 1861 1875 1897 1898 1904 1915 1917 1923 1927 1948 1959 1976 1982 1990 2002 2006 2013 2020 2026 2031 2039 2042 2047 2063 2075 2082 2087 2092 2095 2312 2405 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 3584 3684 3686 3712 3928 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.	A320-47-1002	Mod. No.	38051K11647
	A320-47-1004		38051K11647
	A320-47-1007		38051K11647

C. REASON**(1) History**

In-Service experience has identified some deviations in the Conditioned Service Air System (CSAS) software PN 3959A0000K03.

- CSAS Control Unit does not calculate the value for CSAS_GO during power up.
- Fuel Tank Interting System (FTIS) creates inconsistent failure reports.

This Service Bulletin has been issued to inform operators of the issue of LIEBHERR AEROSPACE Service Bulletin No. 3959A-21-01, which modifies the CSAS software.

(2) Objective/Action

This modification details the change of the CSAS Control Unit from the PN 3959A0000K03 to PN 3959A0000K04.

(3) Advantages

After accomplishment of this Service Bulletin the CSAS Control Unit is improved and prevents failure reports from the Fuel Tank Interting System (FTIS).

(4) Operational/Maintenance Consequences

The Operational/Maintenance Consequences of this Service Bulletin are covered by the update of the affected publications detailed in 'PLANNING INFORMATION'

D. DESCRIPTION

To accomplish this Service Bulletin it is necessary to :

Task 211196-831-848-001: Modification

- (1) Replace the CSAS Control Unit

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

Approved under EASA 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 211196-831-848-001: Modification	
Get Access	0.50
On Aircraft	
Replace the CSAS Control Unit	0.75
Tests	0.50
Close-Up	0.75
TOTAL MANHOURS	2.50
ELAPSED TIME (HOURS)	2.50

H. WEIGHT AND BALANCE

Not Changed

I. ELECTRICAL LOAD DATA

Not Changed

J. REFERENCES

Aircraft Maintenance Manual (AMM)	06-20-00 06-31-53 12-34-24 21-58-00 21-58-34 24-42-00 52-41-00
ATA Common Support Data Dictionary (CSDD), Chapter 2	
Elec. Std. Practices Manual (ESPM)	20-55-00
Vendor Service Bulletin (VSB)	LIEBHERR- AEROSPACE 3959A-21-01

K. PUBLICATION AFFECTED

Illustrated Parts Catalog (IPC)	21-58-08
Master Minimum Equipment List	

SERVICE BULLETIN

This Service Bulletin has an operational impact. Please inform AIRBUS, at least four weeks in advance, in case you need your operational documentation to be amended by an intermediate revision prior to Service Bulletin embodiment. For this purpose, please request the intermediate revision by fax, telex or mail to:

SEDCC, AIRBUS - Customer Services Directorate

Fax No.: 33 (0) 5 61 93 28 06

Sita No.: TLSBP7X

E-mail: sb.reporting@airbus.com

These amendments will be confirmed by the next normal revision of operational documentation, once your Service Bulletin accomplishment report has been sent, as usual, to our Customer Services Directorate (SEDCC).

L. INTERCHANGEABILITY/MIXABILITY

DESCRIPTION	OLD PART N°	NEW PART N°	INT	MIXABILITY	SEE NOTES
Controller-CSAS	3959A0000K03	3959A0000K04	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 3959A0000K03

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 SA as per instructions given in Service Bulletin No. 3959A-21-01
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(2) Price and Availability

Refer to the vendor Service Bulletin 3959A2-21-01 for the equipment modification sales terms.

B. INDUSTRY SUPPORT INFORMATION

Refer to the Vendor Service Bulletin 3959A2-21-01 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	3959A0000K04	1	CONTRLLR	(1)	3959A0000K03	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

None

3. ACCOMPLISHMENT INSTRUCTIONS**Task 211196-831-848-001 - 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

Modified FIN	
100HW	
Manpower	
TOTAL MANHOURS	2.50
ELAPSED TIME (HOURS)	2.50

A. GENERAL**(1) Subtask 211196-910-201-001 - Standard Practices**

Manpower Resources	
Skills	NON SPECIFIC

References	
Aircraft Maintenance Manual (AMM)	06-20-00, Page Block 001 06-31-53, Page Block 001

- (a) For the identification of aircraft Frames (FR) (Refer to AMM 06-31-53, Page Block 001).
- (b) For the identification of aircraft Zones (Refer to AMM 06-20-00, Page Block 001).

(2) Subtask 211196-839-201-001 - 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 211196-941-201-001 - Job Set-up**

Manpower Resources	
Skills	ELECTRICAL CABIN

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 211196-831-201-001 - Replace the CSAS Control Unit**

Manpower Resources	
Manhours	0.75
Minimum number of person	1
Subtask elapsed time	0.75
Skills	ELECTRICAL

Material necessary to do the job	
----------------------------------	--

Equipment BFEZ01				
ITEM	NEW PART N°	QTY (UM)	KEYWORD	SEE NOTES
1	3959A0000K04	1	CONTRLLR	

References	
Aircraft Maintenance Manual (AMM)	Task 21-58-34-000-001 Task 21-58-34-400-001

References	
Vendor Service Bulletin (VSB)	LIEBHERR- AEROSPACE 3959A-21-01
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 3959A0000K03 Item (1)

- (b) Send the CSAS Control Unit for modification to LIEBHERR AEROSPACE TOULOUSE SAS (Refer to LIEBHERR AEROSPACE Service Bulletin No.3959A-2101).

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

FIN 100HW

1 Controller-CSAS 3959A0000K04 Item 1

D. TEST

(1) Subtask 211196-710-201-001 - 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 211196-942-201-001 - Close-up

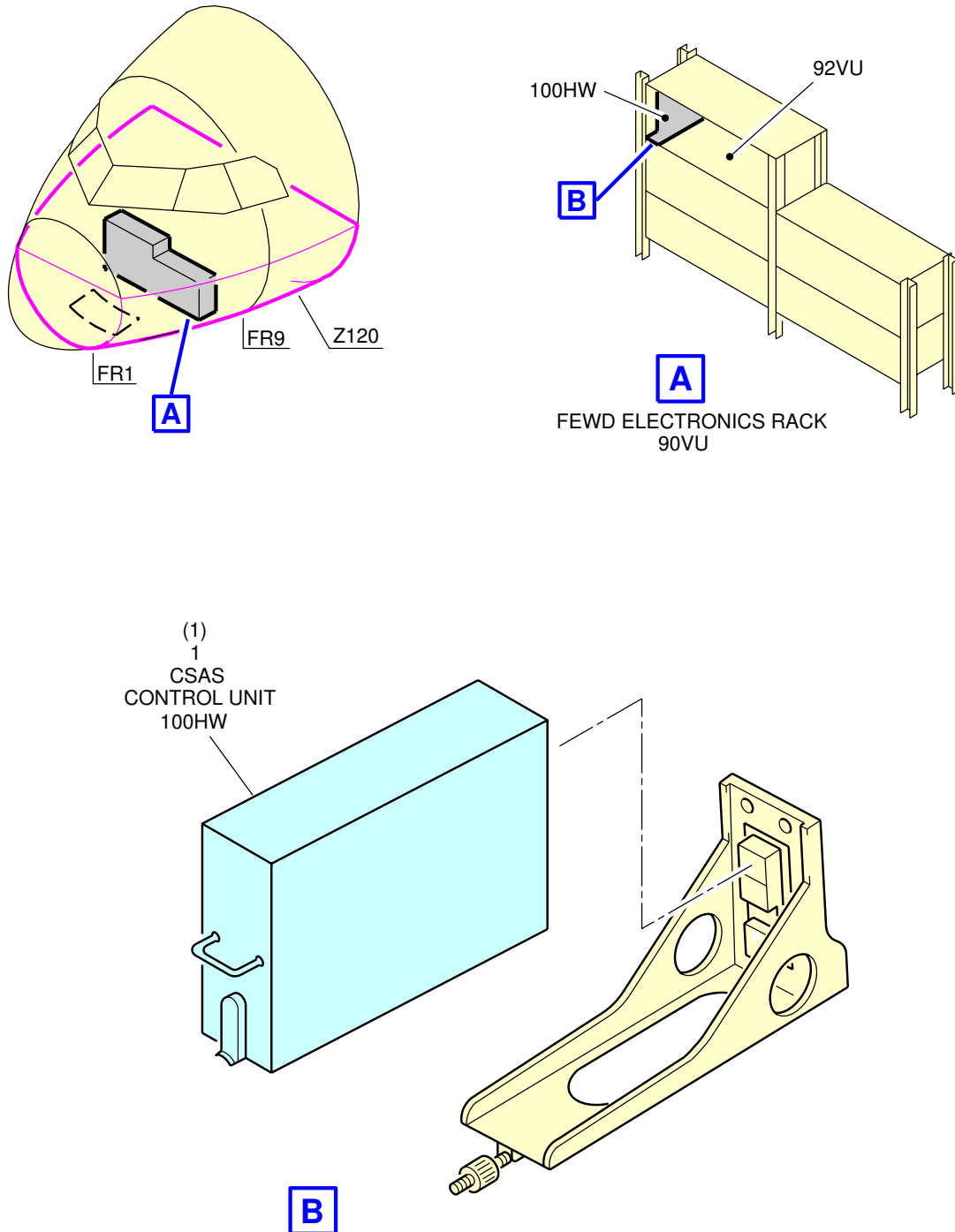
Manpower Resources	
Skills	ELECTRICAL CABIN

References	
Aircraft Maintenance Manual (AMM)	Task 24-42-00-862-001 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 24-42-00-862-001)

****CONF ALL**



N_SB_211196_6_BAAA_01_00

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

**TITLE: AIR CONDITIONING - CONDITIONED SERVICE AIR SYSTEM (CSAS) -
INSTALLATION OF IMPROVED CSAS CONTROL UNIT (CCU)**

MODIFICATION No.: 151673K15121

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:

Please return this form to:

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

Attn : SEM4 Service Bulletins Management
FAX : (33) 5 61 93 42 51

Or via your Resident Customer Support Office.