

SERVICE BULLETIN
SUMMARY

AIRBUS
CUSTOMER SERVICES DIRECTORATE
1 Rond Point Maurice Bellonte
31707 BLAGNAC CEDEX
FRANCE
Tel : (33) 5 61 93 33 33
Telex : AIRBU 530526F
Fax : (33) 5 61 93 42 51

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 - INSTALL
IMPROVED CSAS CONTROL UNIT (CCU-K06)**

****CONF ALL**

MODIFICATIONS

MODIFICATION CLASSIFICATION					
MAJOR	153186K15493				
MINOR	None				

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 to the system functionality of the Conditioned Service Air System (CSAS) Control Unit (CCU) Part Number (PN) 3959A0000K05 with the software 3959A10000S26.

The new CCU will have the Part Number (PN) 3959A0000K06 and will include the new software PNR 3959A1000S30.

This Service Bulletin is published to advise all operators of the Liebherr Aerospace Service Bulletin No. 3959A-21-03 which modifies the CCU.

The new CCU will have these main improvements:

- CSAS overpressure monitoring
- CSAS system functionality
- CSAS Isolation Valve (CIV) monitoring

This Service Bulletin details the replacement of the CCU.

The accomplishment of this Service Bulletin will improve the robustness of the Conditioned Service Air System (CSAS).

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

No Material

EFFECTIVITY

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

09U	35T	96T	97U	AAR	ABY	AFL	AFR	AIB	AIJ	ALK	ANA	ANZ
APJ	AVA	AXM	AZA	BAW	BER	C2C	CBJ	CCA	CEB	CES	CHH	CQH
CRK	CSC	CSH	CSN	CSZ	CUA	DAL	DKH	DLH	ETD	EZY	FFT	FHY
FLI	GAP	GFA	GMI	GOW	GWJ	HDA	HVN	IGO	IYE	JBU	JJP	JST
JZR	LAN	LKE	MAC	MDL	MEA	NKS	NLY	ONE	ORF	PAL	QTR	RJA
SAA	SBI	SFJ	SLK	SVA	SVR	SWR	TAI	TAM	TAR	TBA	TGW	THY
TNA	UAL	UEA	USA	VIM	VOI	VRD	WZZ					

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): SB 21-1197, 47-1021, 47-1023, 47-1026, 47-1029, 47-1032, 47-1035.

NOTE: Accomplish either Service Bulletin N° SB 21-1197 or 47-1021 or 47-1023 or 47-1026 or 47-1029 or 47-1032 or 47-1035 as per the effectivity of these Service Bulletin.

REFERENCES / REPERCUSSIONS

TFU	21.58.00.003
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

A318/A319/A320/A321

SERVICE BULLETIN SUMMARY

SOFT	YES
OBRM	NO

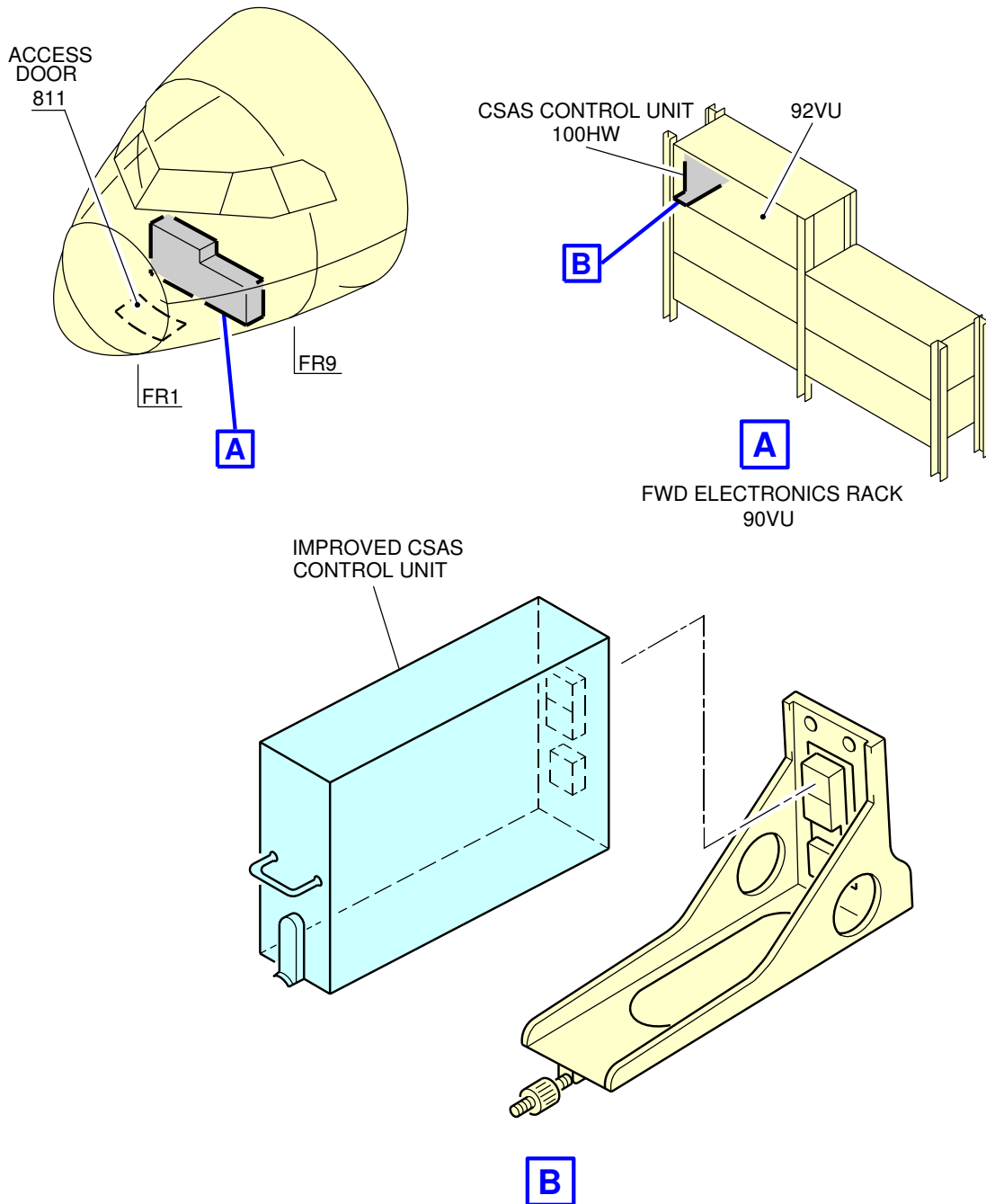
MANPOWER

Task 211206-831-848-001: Modification	
TOTAL MANHOURS	2.00
ELAPSED TIME (HOURS)	2.00
Additional manhours related to Vendor SB; refer to:	
Modify the CSAS Control Unit (CCU)	LIEBHERR AEROSPACE Service Bulletin No. 3959A-21-03

APPENDICES

None

****CONF ALL**



N_SB_211206_6_SAAA_01_00

Figure A-GSAAA - Sheet 01

AIRBUS
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ATA SYSTEM: 21

**TITLE: AIR CONDITIONING - CONDITIONED SERVICE AIR SYSTEM - INSTALL
IMPROVED CSAS CONTROL UNIT (CCU-K06)**

MODIFICATION No.: 153186K15493

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1. PLANNING INFORMATION

****CONF ALL**

A. EFFECTIVITY

NOTE: This Service Bulletin is only applicable for A/C which have MOD 152078/MP G0724 ICU Rev M or MOD 153744/MP G0819 ICU Rev N installed.

(1) Models

319-111	319-112	319-114	319-115	319-131	319-132	319-133	320-211
320-212	320-214	320-216	320-232	320-233	321-211	321-231	321-232

(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 0435 0439 0442
0450 0452 0454 0456-0457 0462-0465 0470 0472 0475 0479 0483 0485 0487 0489
0500 0503-0504 0506 0508 0510 0512 0523 0539 0568 0571 0584 0587 0589 0592
0613 0638 0655 0678 0683 0686 0690 0702 0748 0751 0759 0766 0778 0780 0783
0786 0788 0798 0801 0804 0807 0818 0820 0824-0826 0830 0832 0834 0836
0842-0843 0846-0847 0850-0851 0858 0862 0865 0867-0868 0871 0873 0882 0893
0898 0903 0907 0911 0923 0944 0948 0952 0955 0962 0964-0965 0980-0981
0988-0989 0996 1001 1011 1019 1022 1031 1037 1050 1052 1056 1058 1061-1062
1064 1075 1079 1083 1092 1096 1103-1105 1109-1110 1114 1128 1134 1139 1141
1143 1146 1148 1158 1163 1166 1178 1191-1192 1196 1205 1211 1223-1224 1230
1234 1243 1245-1246 1248-1249 1251 1264 1266 1268-1269 1272 1274 1281-1282

1284 1287 1289-1291 1294 1297-1298 1301 1310-1311 1313-1315 1317 1319 1321
 1323-1326 1328 1331 1340-1343 1346 1348 1350 1354 1358-1360 1363 1369 1371
 1373 1375 1378 1382 1389 1391-1393 1395 1397 1401 1403 1406 1409-1410 1412
 1414 1417 1419-1420 1425-1427 1431-1432 1434-1436 1442 1447 1453 1455-1456
 1460 1462-1463 1465 1469 1472 1474-1475 1477 1481 1483 1486 1490 1492
 1495-1496 1498-1499 1501 1507-1508 1514 1517-1522 1525 1527 1531 1533-1536
 1538-1539 1543 1545 1547 1549 1552 1555 1559 1563 1565 1567 1569-1570 1573
 1576 1580-1582 1584-1586 1593 1600 1609-1610 1612 1617 1620-1621 1627-1628
 1633 1641 1643-1644 1646-1647 1649 1651 1653 1659 1662 1664 1666 1669 1671
 1680 1683-1685 1688 1693 1701-1702 1704-1705 1709-1710 1714 1724 1728 1731
 1737-1739 1741 1746 1752 1755 1759 1764 1766 1774 1781 1784 1789 1792 1796
 1800-1801 1803 1810 1812 1815 1820-1821 1824-1826 1828 1831-1833 1837
 1839-1842 1845 1847 1849 1855 1861 1865 1875 1897-1898 1904 1915 1917 1923
 1927 1948 1959 1976 1980 1982 1990 1997 2002 2006 2012-2013 2019-2020 2026
 2030-2031 2039 2042 2047 2063 2075 2082 2087 2092 2095 2099 2125 2132 2136
 2240-2241 2253 2258 2260 2287 2312 2318 2405 2433 2470 2473 2476 2482-2483
 2485 2490 2504 2513 2518 2520 2535 2560 2567 2570 2577 2580 2590 2595 2603
 2613 2615-2616 2622 2630 2640 2647 2657 2661 2666 2669 2671 2673-2674 2679
 2690 2704 2710-2711 2725 2734 2737 2740 2751 2755 2771 2773 2778 2780-2781
 2784 2800 2802 2806 2811 2814 2830 2832 2836 2848 2851 2857 2871 2880 2893
 2896 2898 2900 2904 2917 2924 2929 2942 2945 2963 2970 2977-2979 2983
 2992-2993 2997-2998 3007 3016-3017 3026 3029 3035 3037 3039 3045 3047 3057
 3069 3072 3077 3091 3099 3101 3103 3111 3119 3135 3150 3155 3165 3175
 3180-3181 3190 3204 3211 3228 3230 3248 3253 3263 3266 3276 3279 3284 3287
 3313 3324 3347-3349 3359 3381 3389 3391 3393 3395 3398 3416-3417 3431 3445
 3450-3451 3460 3463 3465 3479 3488 3491 3503 3517 3554 3565 3581 3584 3588
 3590 3624 3630 3656 3658 3662 3670 3672 3684 3686 3705 3710 3712 3928 4000
 4015 4057 4081 4090 4092 4104 4115 4122 4127 4135 4163 4171 4192 4204
 4253-4254 4272-4273 4307 4314 4337 4349 4357 4364 4376 4389 4391-4394 4397
 4408 4414 4419 4432 4441-4442 4446 4448 4454 4465 4467 4480 4484 4501 4517
 4519 4539 4542 4544 4548 4553 4558-4559 4562 4564 4567-4568 4570 4577-4578
 4584 4590 4592 4595 4599 4610 4612 4616 4619 4627 4629 4641 4643 4647
 4653-4655 4658-4660 4662 4665 4668-4670 4682 4685 4688 4690 4695 4698
 4702-4704 4706-4707 4709 4711 4718 4722-4723 4727 4729 4731 4734 4737 4745
 4748 4750 4755-4756 4760-4761 4763 4765 4769 4773-4774 4776 4779-4780 4783
 4788-4790 4796 4798-4799 4803 4805-4806 4809 4811 4814 4816-4817 4819 4821
 4823-4824 4826-4832 4838 4840-4845 4847-4848 4850-4851 4853 4856-4857 4860
 4862-4867 4876-4877 4881 4883-4887 4890-4891 4893-4895 4897-4898 4900
 4902-4904 4906 4909 4911 4913 4916 4919-4920 4923 4925-4926 4929 4932
 4934-4936 4938-4942 4944-4946 4948 4950-4951 4953 4955 4957-4960 4962-4963
 4965-4968 4970-4971 4973-4978 4980-4981 4983 4985-5150 5152-5156 5158-5164
 5166-5175 5177-5181 5184-5215 5217-5219 5227 5233 5235 5237 5239 5241 5244
 5247 5251 5254 5256-5257 5261

(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
09U	5261

A318/A319/A320/A321

SERVICE BULLETIN

OPERATOR	MSN
35T	5040
96T	5198
97U	4842
AAR	5035 5169 5173
ABY	4568 4806 4848 4890 4958 5017 5143 5206
AFL	5044 5059
AFR	5084 5129
AIB	5098
AIJ	5163
ALK	5086
ANA	3099
ANZ	4553 4584 4884 4926
APJ	4887 4936 5015 5166
AVA	1612 4567 4599 4763 4789 4821 4862 4939 5057 5119 5195
AXM	4980 4989 5137 5149 5153 5200 5215
AZA	5018 5130
BAW	4975
BER	4988 5038 5126 5133 5191
C2C	5088
CBJ	5185
CCA	4803 4829 4895 4900 4963 4985 4997 5014 5032 5054 5091 5124 5174 5199
CEB	4993 5045 5067
CES	4627 4659 4685 4702 4709 4711 4718 4722 4723 4729 4748 4765 4769 4776 4799 4831 4844 4857 4877 4886 4903 4938 4946 4967 4987 5047 5048 5053 5063 5135 5136 5144 5156 5192 5210
CHH	4995 5006 5100 5105 5117
CQH	4750 4760 4809 4816 4909 4978 4983 5022 5051 5108
CRK	4970 5008 5072 5114 5147 5189
CSC	4619 4660 4707 4731 4824 4830 4856 4911 4923 5041 5121 5141 5160 5197 5208 5233
CSH	5227
CSN	4864 4883 4919 5061 5168 5170 5202 5214 5237
CSZ	4845 4866 4876 4897 4920 4929 4977 4986 5002 5082 5110
CUA	5023
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
DKH	4840 4981 5013 5070 5071 5131

A318/A319/A320/A321

SERVICE BULLETIN

OPERATOR	MSN
DLH	4796 4819 4841 4881 4916 4976 4994 5028 5049 5087 5122 5181 5186 5203 5239
ETD	4934 5095
EZY	5019 5020 5046 5052 5056 5064 5104 5111 5113 5116 5138 5146 5150 5187 5201
FFT	1684 1759 1781 1803 1841 1980 1997 2012 2019 2030 2240 2241 2253 2258 2260 2287 2318 2483 2518 2751 2806 2836 2857 3389 3431 4127 4204 4253 4254 4272 4307 4562 4641 4668 4688 4704 4727 4745
FHY	4658 5096
FLI	5079
GAP	5007 5012 5103
GFA	4780 4827 4860 4865 5025 5074 5171 5175 5180 5257
GMI	5085
GOW	5016 5112
GWI	4998 5043
HDA	5024 5030
HVN	4669 4703 4737 4783 4826 4863 4945 4971 5164 5241 5247 5251
IGO	4965 5027 5036 5076 5080 5090 5092 5094 5155 5190
IYE	4653 4690
JBU	1610 1705 1739 1784 1849 1861 1898 1904 1915 1917 1927 1948 2006 2020 2031 2042 2063 2075 2099 2125 2132 2136 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 3517 3554 4578 4612 4647 4904 5060 5142 5148
JJP	5093 5145 5161
JST	5039 5211
JZR	5033
LAN	5005 5097 5125 5178 5213
LKE	5172
MAC	4539
MDL	4973
MEA	5000 5152 5162
NKS	2433 2470 2473 2476 2485 2490 2560 2567 2590 2603 2622 2673 2679 2704 2711 2893 2898 2929 2942 2963 2978 2983 3007 3017 3026 3165 3393 3395 4548 4592 4595 4902 4951 4996 5029 5042 5132 5159
NLY	5115
ONE	4891 4913 4941 4942 5193
ORF	4992
PAL	5081 5140
QTR	4968 5010 5078 5127 5217
RJA	4670 4817 4853 5099 5128 5177
SAA	4990 5011
SBI	5001 5026 5031 5106 5134 5167
SFJ	5102

A318/A319/A320/A321

SERVICE BULLETIN

OPERATOR	MSN
SLK	5050 5089
SVA	4015 4057 4081 4090 4092 4104 4115 4122 4135 4273 4314 4337 4349 4357 4364 4376 4391 4392 4393 4394 4397 4408 4414 4419 4432 4442 4454 4467 4484 4501 4517 4519 4542 4564 4577 4590 4811 4823 4838 4925 4955 4962 5009 5065
SVR	2998
SWR	5037 5069
TAI	2917 3057 3103 3248 3276 3581 4906 4944 5068 5219
TAM	1092 1096 1103 1139 1143 1158 1246 1251 1486 1518 1580 1593 1628 1801 1825 1826 1831 1832 1837 1855 2513 2661 2734 2737 2784 2896 2904 2924 3035 3047 3111 3180 3211 3266 3284 3313 3391 3565 3588 3630 3658 3662 3710 4000 4163 4171 4192 4389 4441 4446 4465 4544 4570 4662 4734 4756 4773 4953 4974 5066 5101 5107 5109 5184 5209
TAR	5204
TBA	5256
TGW	5073 5120 5188 5194 5218
THY	4629 4643 4654 4665 4682 4695 4698 4706 4755 4761 4774 4779 4788 4790 5077 5083 5118 5154 5205 5254
TNA	5055
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 0858 0862 0865 0867 0871 0873 0882 0893 0898 0944 0948 0952 0955 0965 0980 0989 1001 1022 1031 1104 1105 1128 1146 1163 1192 1211 1243 1248 1266 1272 1282 1290 1291 1321 1341 1343 1359 1363 1401 1409 1420 1426 1427 1432 1435 1460 1469 1474 1475 1477 1495 1507 1508 1514 1522 1533 1538 1545 1555 1559 1569 1573 1581 1584 1585 1586 1600 1609 1617 1620 1627 1647 1649 1653 1664 1669 1671 1680 1688 1702 1728 1731 1737 1741 1755 1821 1840 1842 1845 1847 1865
UEA	5003
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 4843 4847 4850 4885 4893 4898 4932 4935 4940 4957 4960 4966 5235 5244
VIM	5158

A318/A319/A320/A321

SERVICE BULLETIN

OPERATOR	MSN
VOI	2657 2666 2771 2780 2979 2997 3045 3069 3077 3175 3253 3279 3450 3463 3491 3590 3624 3672 3705 4798 4828 4832 4950 5062 5207 5212
VRD	2616 2674 2740 2773 2778 2800 2811 2830 2851 2993 3016 3037 3101 3135 3155 3181 3204 3230 3324 3347 3349 3359 3398 3417 3445 3460 3465 3503 3656 3670 3684 3686 4448 4480 4558 4559 4610 4616 4655 4805 4814 4851 4867 4894 4948 4959 4991 4999 5004 5034 5058 5179
WZZ	5021 5075 5123 5139 5196

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 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 0584 0587 0589 0592 0613 0638 0655 0678 0683 0686 0690 0702 0748 0751 0759 0766 0778 0780 0783 0786 0788 0798 0801 0804 0807 0818 0820 0824 0825 0826 0830 0832 0834 0836 0842 0843 0846 0847 0850 0851 0858 0862 0865 0867 0868 0871 0873 0882 0893 0898 0903 0907 0911 0923 0944 0948 0952 0955 0962 0964 0965 0980 0981 0988 0989 0996 1001 1011 1019 1022 1031 1037 1050 1052 1056 1058 1061 1062 1064 1075 1079 1083 1092 1096 1103 1104 1105 1109 1110 1114 1128 1134 1139 1141 1143 1146 1148 1158 1163 1166 1178 1191 1192 1196 1205 1211 1223 1224 1230 1234 1243 1245 1246 1248 1249 1251 1264 1266 1268 1269 1272 1274 1281 1282 1284 1287 1289 1290 1291 1294 1297 1298 1301 1310 1311 1313 1314 1315 1317 1319 1321 1323 1324 1325 1326 1328 1331 1340 1341 1342 1343 1346 1348 1350 1354 1358 1359 1360 1363 1369 1371 1373 1375 1378 1382 1389 1391 1392 1393 1395 1397 1401 1403 1406 1409 1410 1412 1414 1417 1419 1420 1425 1426 1427 1431 1432 1434 1435 1436 1442 1447 1453 1455 1456 1460 1462 1463 1465 1469 1472 1474 1475 1477 1481 1483 1486 1490 1492 1495 1496 1498 1499 1501 1507 1508 1514 1517 1518 1519 1520 1521 1522 1525 1527 1531 1533 1534 1535 1536 1538 1539 1543 1545 1547 1549 1552 1555 1559 1563 1565 1567 1569 1570 1573 1576 1580 1581 1582 1584 1585 1586 1593 1600 1609 1610 1612 1617 1620 1621 1627 1628 1633 1641 1643 1644 1646 1647 1649 1651 1653 1659 1662 1664 1666 1669 1671 1680 1683 1684 1685 1688 1693 1701 1702 1704 1705 1709 1710 1714 1724 1728 1731 1737 1738 1739 1741 1746 1752 1755 1759 1764 1766 1774 1781 1784 1789 1792 1796 1800 1801 1803 1810 1812 1815 1820 1821 1824 1825 1826 1828 1831 1832 1833 1837 1839 1840 1841 1842 1845 1847 1849 1855 1861 1865 1875 1897 1898 1904 1915 1917 1923 1927 1948 1959 1976 1980 1982 1990 1997 2002 2006 2012 2013 2019 2020 2026 2030 2031 2039 2042 2047 2063 2075 2082 2087 2092 2095 2099 2125 2132 2136 2240 2241 2253 2258 2260 2287 2312 2318 2405 2433 2470 2473 2476 2482 2483 2485 2490 2504 2513 2518 2520 2535 2560 2567 2570 2577 2580 2590 2595 2603 2613 2615 2616 2622 2630 2640 2647 2657 2661 2666 2669 2671 2673 2674 2679 2690 2704 2710 2711 2725 2734 2737 2740 2751 2755 2771 2773 2778 2780 2781 2784 2800 2802 2806 2811 2814 2830 2832 2836 2848 2851 2857 2871 2880 2893 2896 2898 2900 2904 2917 2924 2929 2942 2945 2963 2970 2977 2978 2979 2983 2992 2993 2997 2998 3007 3016	001

SERVICE BULLETIN

MSN	CONFIGURATION
3017 3026 3029 3035 3037 3039 3045 3047 3057 3069 3072 3077 3091 3099 3101 3103 3111 3119 3135 3150 3155 3165 3175 3180 3181 3190 3204 3211 3228 3230 3248 3253 3263 3266 3276 3279 3284 3287 3313 3324 3347 3348 3349 3359 3381 3389 3391 3393 3395 3398 3416 3417 3431 3445 3450 3451 3460 3463 3465 3479 3488 3491 3503 3517 3554 3565 3581 3584 3588 3590 3624 3630 3656 3658 3662 3670 3672 3684 3686 3705 3710 3712 3928 4000 4015 4057 4081 4090 4092 4104 4115 4122 4127 4135 4163 4171 4192 4204 4253 4254 4272 4273 4307 4314 4337 4349 4357 4364 4376 4389 4391 4392 4393 4394 4397 4408 4414 4419 4432 4441 4442 4446 4448 4454 4465 4467 4480 4484 4501 4517 4519 4539 4542 4544 4548 4553 4558 4559 4562 4564 4567 4568 4570 4577 4578 4584 4590 4592 4595 4599 4610 4612 4616 4619 4627 4629 4641 4643 4647 4653 4654 4655 4658 4659 4660 4662 4665 4668 4669 4670 4682 4685 4688 4690 4695 4698 4702 4703 4704 4706 4707 4709 4711 4718 4722 4723 4727 4729 4731 4734 4737 4745 4748 4750 4755 4756 4760 4761 4763 4765 4769 4773 4774 4776 4779 4780 4783 4788 4789 4790 4796 4798 4799 4803 4805 4806 4809 4811 4814 4816 4817 4819 4821 4823 4824 4826 4827 4828 4829 4830 4831 4832 4838 4840 4841 4842 4843 4844 4845 4847 4848 4850 4851 4853 4856 4857 4860 4862 4863 4864 4865 4866 4867 4876 4877 4881 4883 4884 4885 4886 4887 4890 4891 4893 4894 4895 4897 4898 4900 4902 4903 4904 4906 4909 4911 4913 4916 4919 4920 4923 4925 4926 4929 4932 4934 4935 4936 4938 4939 4940 4941 4942 4944 4945 4946 4948 4950 4951 4953 4955 4957 4958 4959 4960 4962 4963 4965 4966 4967 4968 4970 4971 4973 4974 4975 4976 4977 4978 4980 4981 4983 4985 4986 4987 4988 4989 4990 4991 4992 4993 4994 4995 4996 4997 4998 4999 5000 5001 5002 5003 5004 5005 5006 5007 5008 5009 5010 5011 5012 5013 5014 5015 5016 5017 5018 5019 5020 5021 5022 5023 5024 5025 5026 5027 5028 5029 5030 5031 5032 5033 5034 5035 5036 5037 5038 5039 5040 5041 5042 5043 5044 5045 5046 5047 5048 5049 5050 5051 5052 5053 5054 5055 5056 5057 5058 5059 5060 5061 5062 5063 5064 5065 5066 5067 5068 5069 5070 5071 5072 5073 5074 5075 5076 5077 5078 5079 5080 5081 5082 5083 5084 5085 5086 5087 5088 5089 5090 5091 5092 5093 5094 5095 5096 5097 5098 5099 5100 5101 5102 5103 5104 5105 5106 5107 5108 5109 5110 5111 5112 5113 5114 5115 5116 5117 5118 5119 5120 5121 5122 5123 5124 5125 5126 5127 5128 5129 5130 5131 5132 5133 5134 5135 5136 5137 5138 5139 5140 5141 5142 5143 5144 5145 5146 5147 5148 5149 5150 5152 5153 5154 5155 5156 5158 5159 5160 5161 5162 5163 5164 5166 5167 5168 5169 5170 5171 5172 5173 5174 5175 5177 5178 5179 5180 5181 5184 5185 5186 5187 5188 5189 5190 5191 5192 5193 5194 5195 5196 5197 5198 5199 5200 5201 5202 5203 5204 5205 5206 5207 5208 5209 5210 5211 5212 5213 5214 5215 5217 5218 5219 5227 5233 5235 5237 5239 5241 5244 5247 5251 5254 5256 5257	001

SERVICE BULLETIN

MSN	CONFIGURATION
5261	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
Reidentified part set REIDD01	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): SB 21-1197, 47-1021, 47-1023, 47-1026, 47-1029, 47-1032, 47-1035.

NOTE: Accomplish either Service Bulletin N° SB 21-1197 or 47-1021 or 47-1023 or 47-1026 or 47-1029 or 47-1032 or 47-1035 as per the effectivity of these Service Bulletin.

C. REASON

(1) History

In-Service experience has identified necessary improvements to the system functionality of the Conditioned Service Air System (CSAS) Control Unit (CCU) Part Number (PN) 3959A0000K05 with the software 3959A10000S26.

The new CCU will have the Part Number (PN) 3959A0000K06 and will include the new software PNR 3959A1000S30.

(2) Objective/Action

This Service Bulletin is published to advise all operators of the Liebherr Aerospace Service Bulletin No. 3959A-21-03 which modifies the CCU.

The new CCU will have these main improvements:

- CSAS overpressure monitoring
- CSAS system functionality
- CSAS Isolation Valve (CIV) monitoring

This Service Bulletin details the replacement of the CCU.

(3) Advantages

The accomplishment of this Service Bulletin will improve the robustness of the Conditioned Service Air System (CSAS).

(4) Operational/Maintenance Consequences

None

D. DESCRIPTION

To accomplish this Service Bulletin it is necessary to :

Task 211206-831-848-001: Modification

(1) Remove the CSAS Control Unit (CCU)

(2) Modify the CSAS Control Unit (CCU)

(3) Install the CSAS Control Unit (CCU)

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 211206-831-848-001: Modification	
Get Access	0.50

Task 211206-831-848-001: Modification	
On Aircraft	
Remove the CSAS Control Unit (CCU)	0.25
Install the CSAS Control Unit (CCU)	0.25
Tests	0.50
Close-Up	0.50
TOTAL MANHOURS	2.00
ELAPSED TIME (HOURS)	2.00
Additional manhours related to Vendor SB; refer to:	
Modify the CSAS Control Unit (CCU)	LIEBHERR AEROSPACE Service Bulletin No. 3959A-21-03

H. WEIGHT AND BALANCE

Not Changed

I. ELECTRICAL LOAD DATA

Not Changed

J. REFERENCES

Aircraft Maintenance Manual (AMM)	06-31-53 21-58-00 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-21-03

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
CSAS Control Unit	3959A0000K05	3959A0000K06	02	Not Applicable	

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

M. SPARES

CSAS Control Unit 3959A0000K05

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

Modification of removed equipment should be negotiated directly with LIEBHERR-AEROSPACE TOULOUSE SAS as per instructions given in Service Bulletin No. 3959A-21-03.

This Service Bulletin is the subject of an AIRBUS monitored retrofit campaign.

(2) Price and Availability

No AIRBUS kit will be provided.

Refer to the LIEBHERR-AEROSPACE TOULOUSE SAS Vendor Service Bulletin No. 3959A-21-03 for the equipment modification sales terms.

B. INDUSTRY SUPPORT INFORMATION

For the organisation of this retrofit, operators are kindly requested to contact AIRBUS retrofit management department:

AIRBUS CUSTOMER SERVICES DIRECTORATE
1 Rond Point Maurice Bellonte
31707 BLAGNAC CEDEX
France
Tel : (33) 5 67 19 06 22
Fax : (33) 5 61 93 27 45
E-mail : monitored.retrofit@airbus.com

C. LIST OF COMPONENTS

No Kit

D. LIST OF MATERIALS - OPERATOR SUPPLIED

None

E. PARTS TO BE RE-IDENTIFIED BY OPERATOR

Reidentified part set REIDD01

ITEM	NEW PART N°	KEYWORD	ITEM	OLD PART N°	SEE NOTES
1	3959A0000K06	CONTRLLR	(1)	3959A0000K05	

F. TOOLING

None

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3. ACCOMPLISHMENT INSTRUCTIONS**Task 211206-831-848-001 - 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	2.00
ELAPSED TIME (HOURS)	2.00
Additional manhours related to Vendor SB; refer to:	
LIEBHERR AEROSPACE Service Bulletin No. 3959A-21-03	

A. GENERAL**(1) Subtask 211206-910-202-001 - Standard Practices**

Manpower Resources	
Skills	NON SPECIFIC

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

(a) For Frame (FR) identification, refer to AMM 06-31-53, Page Block 001.

(2) Subtask 211206-839-201-001 - Administrative

Manpower Resources	
Skills	NON SPECIFIC

SERVICE BULLETIN

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

B. PREPARATION**(1) Subtask 211206-941-201-001 - Job Set-up**

Manpower Resources	
Skills	NON SPECIFIC

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

- (a) Do the applicable job set-up procedure for the removal of the CSAS Control Unit (CCU) (Refer to AMM Task 21-58-34-000-001).

C. PROCEDURE**(1) Subtask 211206-020-201-001 - Remove the CSAS Control Unit (CCU)**

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
Fig. A-GBAAA Replace the CCU	Sheet 01

- (a) As shown on [Fig. A-GBAAA Sheet 01](#), remove the CCU 100HW, (Refer to AMM Task 21-58-34-000-001).

(2) Subtask 211206-831-202-001 - Modify the CSAS Control Unit (CCU)

Material necessary to do the job

Reidentified part set REIDD01					
ITEM	NEW PART N°	KEYWORD	ITEM	OLD PART N°	SEE NOTES
1	3959A0000K06	CONTRLLR	(1)	3959A0000K05	

References	
Vendor Service Bulletin (VSB)	LIEBHERR AEROSPACE 3959A-21-03

- (a) Modify the CCU 100HW, (Refer to LIEBHERR AEROSPACE Service Bulletin No. 3959A-21-03).

- (b) After the modification the Part Number (PN) of the CCU will change as given below:

FIN 100HW

1 CSAS Control Unit 3959A0000K05 Item (1)

will become

FIN 100HW

1 CSAS Control Unit 3959A0000K06 Item 1

(3) Subtask 211206-420-201-001 - Install the CSAS Control Unit (CCU)

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

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

- (a) As shown on [Fig. A-GBAAA Sheet 01](#), install the CCU 100HW, (Refer to AMM Task 21-58-34-400-001).

D. TEST**(1) Subtask 211206-710-201-001 - Operational Test CSAS Control Unit (CCU)**

Manpower Resources	
Skills	ELECTRICAL

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

- (a) Do an operational test of the CCU, without bleed air (Refer to AMM Task 21-58-00-710-001).

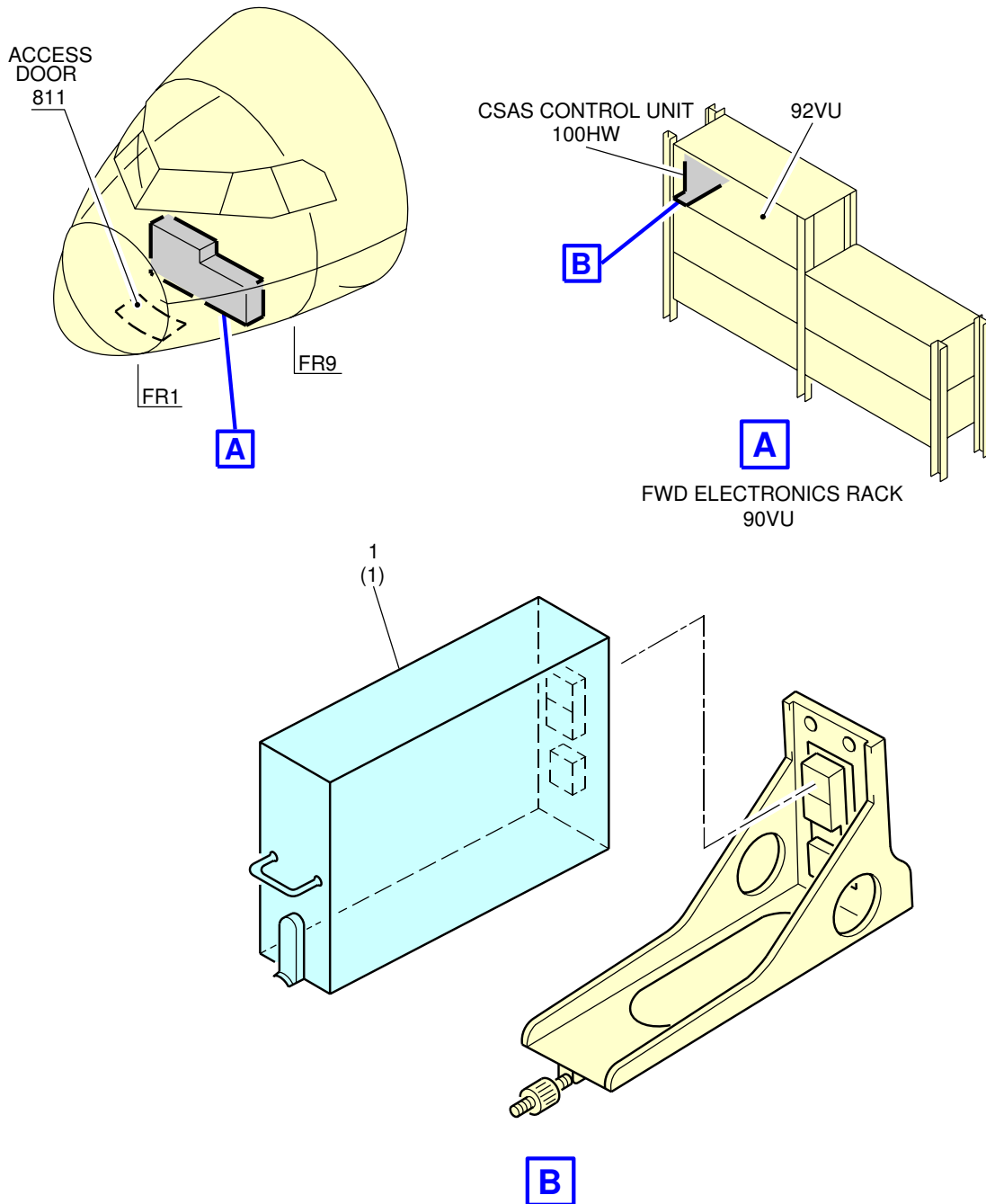
E. CLOSE-UP**(1) Subtask 211206-942-201-001 - Close-up**

Manpower Resources	
Skills	NON SPECIFIC

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

- (a) Make sure that the work area is clean and clear of tools and other items of equipment.
- (b) Do the applicable close-up procedure after installation of the CCU (Refer to AMM Task 21-58-34-400-001).

****CONF ALL**



N_SB_211206_6_BAAA_01_00

Figure A-GBAAA - Sheet 01
Replace the CCU

SERVICE BULLETIN
REPORTING SHEET**TITLE: AIR CONDITIONING - CONDITIONED SERVICE AIR SYSTEM - INSTALL
IMPROVED CSAS CONTROL UNIT (CCU-K06)**

MODIFICATION No.: 153186K15493

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.