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ATA SYSTEM: 21

**TITLE: AIR CONDITIONING - INSTALL A MORE COMPACT LE BOZEC FILTER  
P/N 34800A200-5.**

MODIFICATION No.: 32877P7937

This page transmits Revision No.02 of Service Bulletin No.A320-21-1139

**ADDITIONAL WORK**

**\*\*CONF ALL**

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

**REASON**

Revision No. 02 issued to extend the effectivity (Service Bulletin No. A320-21-1152) and to modify the weight and balance.

**CHANGES**

**\*\*CONF 001**

SUMMARY		
MODIFICATIONS	Minor editorial or document structure change	N
REASON/DESCRIPTION/OPERATIONAL CONSEQUENCES	Minor editorial or document structure change	N
GENERAL EVALUATION	Minor editorial or document structure change	N
MATERIAL PRICE INFORMATION	Minor editorial or document structure change	N
	Minor editorial or document structure change	N
	Minor editorial or document structure change	N
	Minor editorial or document structure change	N
EFFECTIVITY	Minor editorial or document structure change	N
CONCURRENT REQUIREMENTS	Minor editorial or document structure change	N
REFERENCES / REPERCUSSIONS	Minor editorial or document structure change	N
NATURE OF THE WORK	Minor editorial or document structure change	N

## SERVICE BULLETIN REVISION TRANSMITTAL SHEET

<b>MANPOWER</b>	Minor editorial or document structure change	N
	Minor editorial or document structure change	N
	Minor editorial or document structure change	N
	Minor editorial or document structure change	N
<b>APPENDICES</b>	Minor editorial or document structure change	N
Fig. A-FSVAA	Minor editorial or document structure change	N
Fig. A-FSVAA Sheet 01	Minor editorial or document structure change	N
<b>PLANNING INFORMATION</b>		
<b>COMPLIANCE</b>		
Classification	Minor editorial or document structure change	N
Accomplishment Timescale	Minor editorial or document structure change	N
<b>APPROVAL</b>	Minor editorial or document structure change	N
<b>MANPOWER</b>	Minor editorial or document structure change	N
	Minor editorial or document structure change	N
	Minor editorial or document structure change	N
	Minor editorial or document structure change	N
<b>WEIGHT AND BALANCE</b>	Minor editorial or document structure change	N
	Minor editorial or document structure change	N
	Minor editorial or document structure change	N
	Minor editorial or document structure change	N
<b>REFERENCES</b>	Minor editorial or document structure change	N
	Minor editorial or document structure change	N
	Minor editorial or document structure change	N
	Minor editorial or document structure change	N
<b>PUBLICATION AFFECTED</b>	Minor editorial or document structure change	N
<b>INTERCHANGEABILITY/MIXABILITY</b>	Minor editorial or document structure change	N
	Minor editorial or document structure change	N
	Minor editorial or document structure change	N
	Minor editorial or document structure change	N
<b>MATERIAL INFORMATION</b>		
<b>MATERIAL - PRICE AND AVAILABILITY</b>		
Procurement Addresses	Minor editorial or document structure change	N
Price and Availability	Minor editorial or document structure change	N
<b>LIST OF MATERIALS - OPERATOR SUPPLIED</b>		
Consumable Materials	Minor editorial or document structure change	N
Consumable Materials		
Consumable CMLA01	Minor editorial or document structure change	N
Components	Minor editorial or document structure change	N
Component COMPA01	Minor editorial or document structure change	N
Component COMPA02	Minor editorial or document structure change	N
Equipment	Minor editorial or document structure change	N

## SERVICE BULLETIN REVISION TRANSMITTAL SHEET

Equipement BFEA01	Minor editorial or document structure change	N
Equipement BFEA02	Minor editorial or document structure change	N
<b>ACCOMPLISHMENT INSTRUCTIONS</b>		
TASK 211139- 831-801-001-MODIFICATION	Minor editorial or document structure change	N
Task associated data - 001	Minor editorial or document structure change	N
Task associated data - 002	Minor editorial or document structure change	N
Task associated data - 003	Minor editorial or document structure change	N
Task associated data - 004	Minor editorial or document structure change	N
Subtask 211139-839-001-001	Minor editorial or document structure change	N
Subtask 211139-839-001-001	Minor editorial or document structure change	N
Subtask 211139-910-001-001	Minor editorial or document structure change	N
Subtask 211139-839-001-001	Minor editorial or document structure change	N
Subtask 211139-910-001-001	Minor editorial or document structure change	N
Subtask 211139-839-001-001	Minor editorial or document structure change	N
Subtask 211139-941-001-001	Minor editorial or document structure change	N
Subtask 211139-941-001-002	Minor editorial or document structure change	N
Subtask 211139-941-001-001	Minor editorial or document structure change	N
Subtask 211139-941-001-002	Minor editorial or document structure change	N
Subtask 211139-020-001-001	Minor editorial or document structure change	N
Subtask 211139-420-001-001	Minor editorial or document structure change	N
Subtask 211139-020-001-002	Minor editorial or document structure change	N
Subtask 211139-420-001-002	Minor editorial or document structure change	N
Subtask 211139-831-001-001	Minor editorial or document structure change	N
Subtask 211139-831-002-001	Minor editorial or document structure change	N
Subtask 211139-020-001-001	Minor editorial or document structure change	N
Subtask 211139-420-001-001	Minor editorial or document structure change	N
Subtask 211139-831-001-001	Minor editorial or document structure change	N
Subtask 211139-831-002-001	Minor editorial or document structure change	N
Subtask 211139-020-001-002	Minor editorial or document structure change	N
Subtask 211139-420-001-002	Minor editorial or document structure change	N
Subtask 211139-942-001-001	Minor editorial or document structure change	N
Subtask 211139-942-001-002	Minor editorial or document structure change	N
Subtask 211139-942-001-001	Minor editorial or document structure change	N
Subtask 211139-942-001-002	Minor editorial or document structure change	N
Fig. A-FBAAA	Minor editorial or document structure change	N
Fig. A-FBAAA Sheet 01	Minor editorial or document structure change	N
Fig. A-FBAAA Sheet 02	Minor editorial or document structure change	N
Fig. A-FBAAA Sheet 03	Minor editorial or document structure change	N
Fig. A-FBBAA	Minor editorial or document structure change	N
Fig. A-FBBAA Sheet 01	Minor editorial or document structure change	N
Fig. A-FBBAA Sheet 02	Minor editorial or document structure change	N

SERVICE BULLETIN  
REVISION TRANSMITTAL SHEET

Fig. A-FBBAA Sheet 03	Minor editorial or document structure change	N
Fig. A-FCAAA	Minor editorial or document structure change	N
Fig. A-FCAAA Sheet 01	Minor editorial or document structure change	N
Fig. A-FCBAA	Minor editorial or document structure change	N
Fig. A-FCBAA Sheet 01	Minor editorial or document structure change	N
Fig. A-FCCAA	Minor editorial or document structure change	N
Fig. A-FCCAA Sheet 01	Minor editorial or document structure change	N
Fig. A-FCCAA Sheet 02	Minor editorial or document structure change	N

**FILLING INSTRUCTIONS****\*\*CONF ALL**

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 No. 01 issued to modify the effectivity, to update the effectivity of the Config. 01 and 02, to add Config. 03 and 04 (procedure of the removal of the fairing).

**REVISION SEQUENCE**

ORIGINAL: Sep 17/03

REVISION No.: 01 - Mar 04/08

REVISION No. : 02 - Jun 10/09

SERVICE BULLETIN  
SUMMARY

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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 - INSTALL A MORE COMPACT LE BOZEC FILTER  
P/N 34800A200-5.**

**\*\*CONF ALL**

**MODIFICATIONS**

MODIFICATION CLASSIFICATION					
MAJOR	None				
MINOR	32877P7937				

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**

LE BOZEC FILTRATION and SYSTEMS proposes a new improved filter for the avionics ventilation system located in the avionics compartment.

This Service Bulletin is published to advise all operators of A318, A319, A320, A321 aircraft of the new LE BOZEC FILTRATION and SYSTEMS filter P/N 34800A200-5.

This Service Bulletin proposes the replacement of the old LE BOZEC FILTRATION and SYSTEMS or PALL filter, installed by Modification No. 24146P3462, by a new one mechanically interchangeable.

The operating principle is identical to the previous LE BOZEC FILTRATION and SYSTEMS filter (demister stage for water separation and filter cartridge for dust separation).

The new filter body is more compact with respect to the previous LE BOZEC FILTRATION and SYSTEMS filter, with a weight reduction of 3.0 Kg (6.614lb).

The pressure drop on the new equipment is 0.5 mB lower than the previous LE BOZEC FILTRATION and SYSTEMS filter.

The new filter has pressure ports to check the clogging level.

The dust and water separation performances are improved with respect to the previous LE BOZEC FILTRATION and SYSTEMS filter.

Refer to LE BOZEC FILTRATION and SYSTEMS Service Information Letter (SIL) No. 100-04.

5 DATE: Sep 17/03

SERVICE BULLETIN No.: A320-21-1139

REVISION No.: 02 - Jun 10/09

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## SERVICE BULLETIN SUMMARY

### GENERAL EVALUATION

EVALUATION TABLE			
COMPLIANCE	DESIRABLE	CANCELS INSPECTION SB	NO
POTENTIAL AD	NO	A/C OPERATION AFFECTED	NO
RELIABILITY AFFECTED	NO	PAX COMFORT AFFECTED	NO
COST SAVING	YES	ETOPS AFFECTED	NO
STRUCTURAL LIFE EXTN	NO	VENDOR SB INVOLVED	NO

### MATERIAL PRICE INFORMATION

**\*\*CONF 001**

MATERIAL PRICE INFORMATION TABLE				
TYPE	MATERIAL	QUANTITY PER A/C	PRICE PER A/C (USD)	MAINPARTS
BFE	Equipment BFEA01	See SB	See SB	Demister filter, cartridge assy, housing assy, syphon assy
COMP	Component COMPA01	See SB	See SB	Bolt, nut, packing

**\*\*CONF 002**

MATERIAL PRICE INFORMATION TABLE				
TYPE	MATERIAL	QUANTITY PER A/C	PRICE PER A/C (USD)	MAINPARTS
BFE	Equipment BFEA02	See SB	See SB	Demister filter, cartridge assy, housing assy, syphon assy
COMP	Component COMPA01	See SB	See SB	Bolt, nut, packing

**\*\*CONF 003**

MATERIAL PRICE INFORMATION TABLE				
TYPE	MATERIAL	QUANTITY PER A/C	PRICE PER A/C (USD)	MAINPARTS
BFE	Equipment BFEA01	See SB	See SB	Demister filter, cartridge assy, housing assy, syphon assy
COMP	Component COMPA01	See SB	See SB	Bolt, nut, packing
COMP	Component COMPA02	See SB	See SB	Screw, nut, rivet, oring

# **A318/A319/A320/A321**

## SERVICE BULLETIN SUMMARY

**\*\*CONF 004**

MATERIAL PRICE INFORMATION TABLE				
TYPE	MATERIAL	QUANTITY PER A/C	PRICE PER A/C (USD)	MAINPARTS
BFE	Equipment BFEA02	See SB	See SB	Demister filter, cartridge assy, housing assy, syphon assy
COMP	Component COMPA01	See SB	See SB	Bolt, nut, packing
COMP	Component COMPA02	See SB	See SB	Screw, nut, rivet, oring

### EFFECTIVITY

**\*\*CONF ALL**

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

06Y	31V	39Z	47W	53Z	57W	86Z	93V	AAF	AAN	AAR	ABQ	ACA
ACI	ADR	AFL	AFR	AHY	AIJ	AJM	ALK	AMC	AMU	ANA	ART	ATC
AUA	AZA	BAB	BAW	BEL	BER	BGH	BIE	BMA	BMM	BST	BTB	BWG
C9G	CCA	CCM	CES	CGL	CIB	CLI	CQH	CQN	CSA	CSC	CSN	CSZ
CTN	CYP	D2F	DCS	DGA	DLH	DNJ	EDW	EEZ	EIN	ETD	EZY	F2I
FFT	FHY	FIN	G2X	G4I	G8E	GFA	GOW	GWJ	GWY	HDA	HEJ	HVN
IAC	IBE	IRA	IRM	ISR	ISS	IWD	IZM	JAV	JBU	JCS	JET	JKK
JST	KAC	KBR	KFR	KKK	KNE	KYV	KZR	LAN	LBT	LBY	LFO	LMJ
LMU	LTE	LTU	LVG	MAU	MDL	MEA	MHS	MLD	MNJ	MON	MPD	MSR
MXA	MYW	NWA	OHY	P2G	PAL	PIC	PTI	QAF	QTR	R1T	RBA	RIT
RNV	RYW	RZO	SAS	SBI	SDM	SHJ	SHY	SLK	SSV	SVR	SWR	SYR
TAE	TAI	TAM	TAP	TAR	TAS	TCW	TCX	THY	TNA	TOM	UAL	UDC
UEA	USA	VBW	VIM	VKG	VLG	VLK	VOI	VUN	WGT	WHT	WZZ	XLF

**NOTE:** This modification is embodied before delivery on A318 aircraft MSN 1599 , 2035 , 2059-2109 , 2276 and subsequent, on A319 aircraft MSN 1919 , 1930 , 1971 , 1986 , 2000 , 2004 , 2007 , 2008 , 2015 , 2023 , 2032 , 2103 and subsequent, on A320 aircraft MSN 2085 , 2090 , 2112 , 2130 , 2148 , 2153 and subsequent, on A321 aircraft MSN 1928 , 2055 , 2107 and subsequent.

### CONCURRENT REQUIREMENTS

None

### REFERENCES / REPERCUSSIONS

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

SERVICE BULLETIN  
SUMMARY**NATURE OF THE WORK**

AIRCRAFT	NO
EQUIPMENT	YES
HARD	NO
SOFT	NO
OBRM	NO

**MANPOWER****\*\*CONF 001**

Task 211139-831-801-001: MODIFICATION	
TOTAL MANHOURS	2.00
ELAPSED TIME (HOURS)	2.00

**\*\*CONF 002**

Task 211139-831-801-001: MODIFICATION	
TOTAL MANHOURS	2.00
ELAPSED TIME (HOURS)	2.00

**\*\*CONF 003**

Task 211139-831-801-001: MODIFICATION	
TOTAL MANHOURS	3.50
ELAPSED TIME (HOURS)	3.50

**\*\*CONF 004**

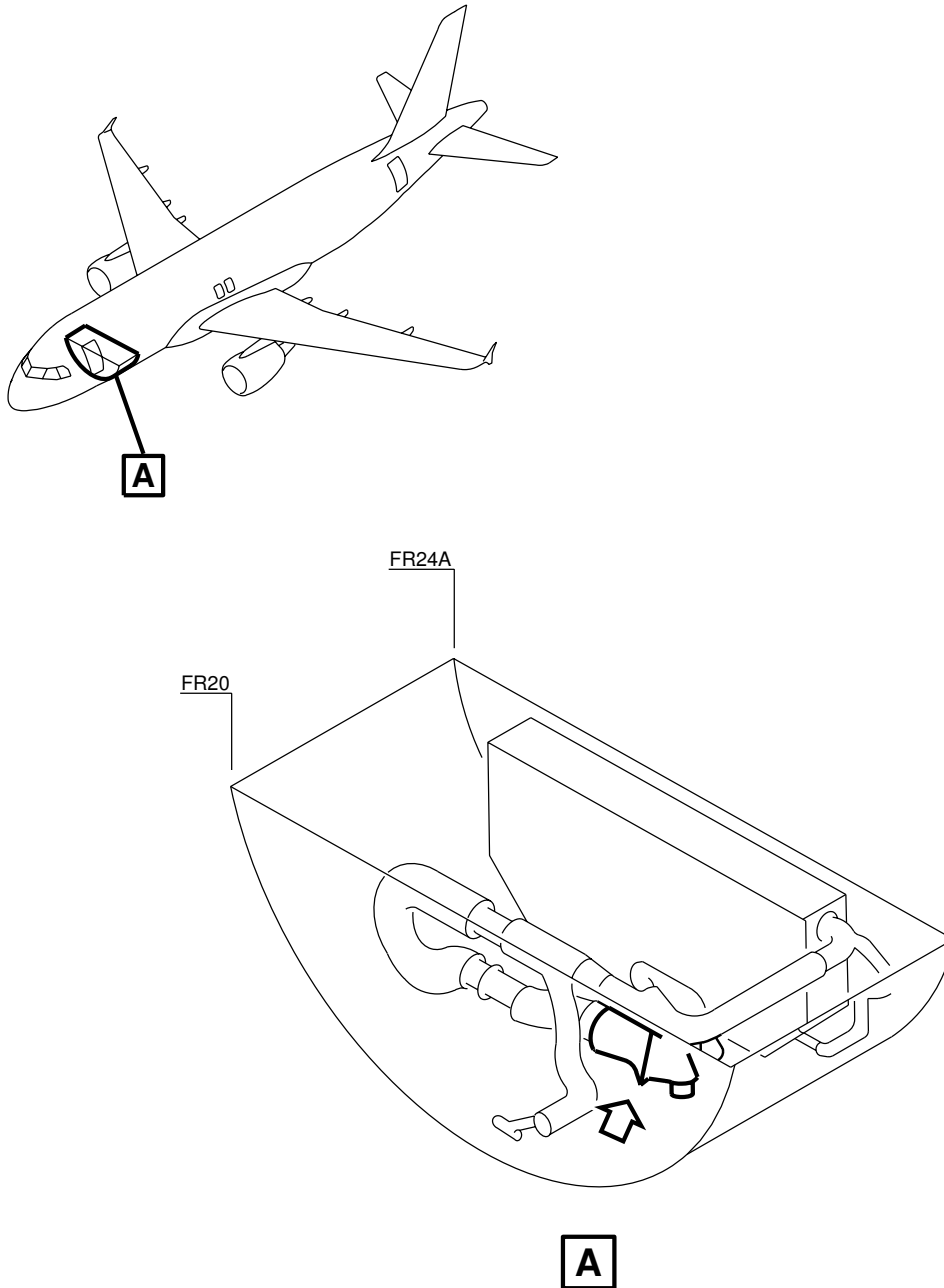
Task 211139-831-801-001: MODIFICATION	
TOTAL MANHOURS	3.50
ELAPSED TIME (HOURS)	3.50

**APPENDICES****\*\*CONF ALL**

None



**\*\*CONF ALL**



N\_SB\_211139\_5\_SVAA\_01\_00

Figure A-FSVAA - Sheet 01

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ATA SYSTEM: 21

**TITLE: AIR CONDITIONING - INSTALL A MORE COMPACT LE BOZEC FILTER  
P/N 34800A200-5.**

MODIFICATION No.: 32877P7937

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**1. PLANNING INFORMATION**

**\*\*CONF ALL**

**A. EFFECTIVITY**

NOTE: This modification is embodied before delivery on A318 aircraft MSN 1599 , 2035 , 2059-2109 , 2276 and subsequent, on A319 aircraft MSN 1919 , 1930 , 1971 , 1986 , 2000 , 2004 , 2007 , 2008 , 2015 , 2023 , 2032 , 2103 and subsequent, on A320 aircraft MSN 2085 , 2090 , 2112 , 2130 , 2148 , 2153 and subsequent, on A321 aircraft MSN 1928 , 2055 , 2107 and subsequent.

NOTE: This Service Bulletin is not applicable if Ground Refrigeration Unit (GRU) option is installed.

(1) Models

318-111	319-111	319-112	319-113	319-114	319-115	319-131	319-132
319-133	320-111	320-211	320-212	320-214	320-231	320-232	320-233
321-111	321-112	321-131	321-211	321-212	321-231	321-232	

(2) Effectivity by MSN

0002-0003 0005 0007-0008 0010 0012-0014 0016 0019-0021 0029 0031 0034  
0037-0059 0061-0078 0080-0090 0093-0104 0108-0130 0132-0162 0165-0167  
0170-0178 0180-0237 0239-0260 0262-0270 0272-0303 0305-0337 0339-0373  
0375-0396 0398-0432 0434-0480 0482-0535 0537-0546 0548-0601 0603-0631  
0633-0707 0709-0752 0754-0788 0790-0926 0928-1043 1045-1185 1187-1277  
1279-1373 1375-1598 1600-1728 1730-1767 1769-1793 1795-1812 1814-1821

1823-1829 1831-1918 1920-1927 1929 1931-1970 1972-1984 1987-1991 1993-1999  
 2001-2003 2005-2006 2009-2014 2016-2022 2024 2026-2031 2033-2034 2036-2045  
 2047-2054 2056-2058 2060-2069 2072 2074-2078 2080 2082-2084 2086-2087 2089  
 2091-2093 2095-2099 2101-2102 2104-2106 2108 2114-2116 2118 2121 2123 2125  
 2128 2132-2147 2149-2152 2191 2206 2217-2218 2220 2225 2242 2248 2250 2256  
 2264 2270 2272 2294 2311 2347 2357 2365 2374 2381 2391 2399 2472 2488 2563  
 2599

### (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
06Y	0313
31V	0031 0034 0040 0041
39Z	0956
47W	0764 1494
53Z	1468
57W	1999
86Z	0406 0580
93V	1589
AAF	0244 0558 0639 0808 0823 0888 1006 1451 1846
AAN	0430 0527 0565
AAR	0802 1227 1356 1511 1636 1670 1734 2041 2045
ABQ	0394 0443 0760 1008 1199 1218
ACA	0059 0068 0073 0084 0122 0126 0127 0141 0149 0150 0154 0159 0174 0175 0183 0210 0231 0232 0233 0242 0248 0253 0254 0255 0265 0277 0284 0290 0309 0324 0330 0341 0378 0403 0404 0546 0572 0634 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 1562 1577 1602 1611 1623 1632 1638 1719 1726 1748 1772 1783 1811 1853 1864 1874 1940 2018 2145
ACI	2152
ADR	0043 0113 0114
AFL	2052 2069 2072 2091 2093 2106 2116 2133 2144 2151
AFR	0002 0005 0007 0010 0012 0013 0014 0016 0019 0020 0021 0044 0061 0062 0063 0100 0101 0102 0108 0115 0128 0129 0130 0133 0144 0145 0155 0156 0184 0186 0187 0188 0214 0226 0227 0228 0235 0236 0237 0239 0270 0278 0285 0286 0287 0337 0352 0377 0491 0498 0509 0521 0529 0544 0598 0600 0608 0618 0625 0637 0777 0796 0938 0985 0998 1000 1020 1025 1036 1133 1151 1169 1176 1190 1201 1216 1267 1271 1299 1344 1404 1415 1444 1449 1471 1476 1502 1505 1524 1616 1622 1640 1645 1658 1677 1691 1699 1733 1859 1873 1879 1885 1894 1900 1924 1938 1949 2140
AHY	0331
AIJ	1132 1162 1179 1244 1259 1308 1322

# SERVICE BULLETIN

OPERATOR	MSN
AJM	0624 0626 0628 0666 0775 1213 1390 1503 1747 1905 1966 1988 2048
ALK	0315
AMC	2142
AMU	0557 0597 0620 0631 0805 0908 0928 1758 1790 1850 1893 1912 1926 1962
ANA	0139 0151 0167 0170 0196 0212 0219 0245 0300 0328 0365 0383 0413 0482 0501 0507 0531 0534 0549 0554 0658 0669 0685 1973 2061
ART	0142 0310 0311 0359 0446 0726
ATC	0630
AUA	0552 0570 0581 0768 0776 0797 0920 0935 1137 1150 1189 1387 1458 1478
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 1138 1168 1217 1220 1226 1448 1457 1473 1480 1489 1722 1740 1745 1770 1779 2033 2057 2074 2083 2086 2101
BAB	0579 0645
BAW	0039 0042 0103 0109 0120 1082 1115 1118 1142 1193 1197 1222 1225 1232 1236 1239 1258 1261 1279 1295 1329 1338 1380 1384 1423 1440 1445 1466 1510 1513 1529 1537 1558 1574 1590 1594 1604 1606 1661 1665 1687 1689 1696 1708 1754 1760 1782 1814 1829 1871 1883 1899 1907 1910 1958 2038 2040
BEL	0644 1160 1336 1388
BER	1629 1994 2005
BGH	0221 0294 0305 0349
BIE	0293 0517 0519 0535 0642 0827 0891
BMA	0835 1014 1174 1177 1194 1418 1424 1690 1697 1711 1732 1922 1987 2098
BMM	2064 2076
BST	0604 0614
BTV	0441 0449 1676
BWG	0916 1240 1257 1464 1546 1557 1650 1785 1823 1896
C9G	1727
CCA	0707 0724 0876 0921 1296 1654 1679 1753
CCM	0533 0548 1068 1145
CES	0665 0754 0772 0799 0828 0838 0854 0883 0897 0909 0914 0925 0939 0967 0984 0986 1005 1028 1030 1041 1070 1072 1093 1108 1285 1303 1312 1316 1330 1345 1357 1361 1377 1386 1532 1541 1542 1551 1601 1603 1639 1778 1786 1906 1911 1964 1981 2022 2034 2036 2049 2056 2068
CGL	0234 0453
CIB	0774 0809 0884 0894 0905 0957 0971 1381 1402 1416 1437 1968
CLI	0134 0136 0143 0146 0177 0199 0240 0241 0264 0992 1221 1396 1430 1461 1550
CQH	0879 0978 1286 1372 1686 1769 1852 1920
CQN	0696 0698 0704 0705

# SERVICE BULLETIN

OPERATOR	MSN
CSA	0674 0684 1439 1450
CSC	0540 0550 0551 0556 0573 0582 0591 0872 0874 0878 0902 0912 0915 0919 1007 1013 1060 1293 1500
CSN	0709 0710 0712 0718 0720 0722 0849 0859 0881 0895 0900 0950 0966 1035 1039 1057 1596 1614 1776 1788 1974 1995 2067 2080
CSZ	0994
CTN	0258 0671 0767 0833 1009 1029 1237 1252
CYP	0037 0038 0180 0256 0295 0316
D2F	0420 0436 0934 0963
DCS	1053
DGA	1485 1556
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 0646 0651 0652 0654 0679 0689 0692 0694 0699 0700 0717 0723 0729 0738 0744 0794 0853 0860 0875 0887 0901 1016 1080 1161 1172 1188 1214 1260 1273 1337 1365 1367
DNJ	1963
EDW	0942 0947 1026
EEZ	0737 0749 1125 1715 1723 1937 1983 2001 2102
EIN	0815 0841 0926 0991 1023 1094 1242 1394 1443 1467 2191 2206 2217 2250 2256 2272 2294 2374 2399
ETD	0350 1944 1945 1947 1955
EZY	1869 1918 1969 1993 2037 2043 2050 2053 2062 2137
F2I	0008
FFT	1515 1579 1583 1660 1684 1759 1781 1803 1806 1841 1939 1943 1980 1991 1997 2010 2012 2017 2019 2030 2051 2218
FHY	0132 0283 0288 0771 0855
FIN	0941 0961 1073 1107 1184 1185 1241 1309 1352 1364 1405 1470 1544 1588 1678 1712 1735 1791 1808 1913 1916 1978 1989 2065 2146
G2X	0189 0190 0289
G4I	1157 1795
G8E	0003 2029 2077 2123
GFA	0325 0375 0409 0419 0459 0466 0497 0537 0675 0761 1884 1901
GOW	1509
GWI	1077 1084 1089 1136 1147 1155 1170 1209 1277
GWY	1152 1198 1564 1615 1725 1860 1867
HDA	0633 0756 0784 0812 0877 0930 0993 1024 1253 1695 1721 1984 2021
HEJ	0087 0088
HVN	0590 0594 0601 0605 0607 0611 0617 0619 0648 0650

OPERATOR	MSN
IAC	0045 0046 0047 0048 0049 0050 0051 0056 0057 0058 0074 0075 0080 0089 0090 0095 0096 0097 0225 0247 0257 0308 0314 0326 0327 0336 0344 0354 0362 0376 0386 0396 0398 0411 0416 0423 0431 0432 0451 0469 0478 0480 0486 0490 0492 0499 1668 1718
IBE	0158 0173 0176 0207 0223 0224 0266 0274 0323 0356 1021 1027 1047 1059 1067 1087 1099 1101 1119 1154 1180 1208 1229 1247 1255 1262 1288 1292 1318 1347 1362 1379 1454 1484 1516 1530 1540 1554 1572 1655 1674 1681 1694 1716 1736 1793 1809 1836 2104 2115 2143 2220 2225 2242 2248 2264 2270 2311 2347 2357 2365 2381 2391 2472 2488 2563 2599
IRA	0303 0312 0345 0530 0575 0857 2054
IRM	1202
ISR	0333 0384
ISS	1048 1102 1283 1305
IWD	1130 1597 1657 1767 2011
IZM	1730
JAV	0029
JBU	1123 1156 1173 1235 1270 1280 1302 1327 1398 1446 1452 1506 1528 1610 1705 1739 1784 1849 1861 1898 1904 1915 1917 1927 1948 2006 2020 2031 2042 2063 2075 2099 2125 2132 2136 2149 2150
JCS	0211
JET	0204 0215 0371 0393 0414 0421 0542 0647 0660 0816
JKK	1183 1276 1333 1349 1366 1383 1407 1497 1631 1682 1749 1843 1862 1914 1933 1946 1979 1998 2027
JST	1195 1408
KAC	0181 0182 0195
KBR	0937
KFR	0943 0977
KKK	0460 0461 0640 0676 0968 0974 1438
KNE	1086 1124 1886
KYV	1012
KZR	1042 1204 2016 2128
LAN	1304 1332 1351 1355 1491 1512 1526 1548 1568 1626 1854 1858 1877 1903 2089 2096
LBT	0112 0222 0246 0299 0301 0348 0400 0793 0970 0995 1121 1175 1744
LBY	0561
LFO	0659
LMJ	1868
LMU	0932
LTE	0438 0445
LTU	1385 1441 1493 1504 1553 1607 1762 1797 1838 1931 2009
LVG	0792 1950 1970
MAU	1592 1936
MDL	0279 0391 1482
MEA	1878 1953 1956 1967 1977

# SERVICE BULLETIN

OPERATOR	MSN
MHS	1300 1353
MLD	0249 0622 0741
MNJ	0615
MON	0379 0389 0392 0864 0983 1015 1045 1081 1153 1207 1370 1428 1433 1707 1763 1941 2105
MPD	0342 0426 0662
MSR	0165 0166 0178 0194 0198 0322 0351 0366 0680 0687 0715 0725
MXA	0252 0259 0260 0275 0276 0280 0291 0292 0296 0320 0321 0332 0347 0353 0357 0361 0368 0369 0373 0405 0415 0428 0447 0467 0566 1429 1598 1612 1618 1625 1630 1634 1673 1706 1742 1750 1805 1866 1872 1882 1925 2066 2078
MYW	0363 0444 0814
NWA	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
OHY	0364 0385 0455 0471 0663 0668 0787 0954 1004 1421
P2G	0302
PAL	0706 0745 0936 1171 1210
PIC	0990
PTI	1880
QAF	1335
QTR	1487 1566 1648 1656 1773 1895 1957 2097 2121 2138
R1T	1908
RBA	2135 2139
RIT	2141 2147
RNV	0229 0913
RYW	0569
RZO	0795
SAS	1587 1619 1642 1675 1798 1807 1817 1848
SBI	1071 1078 1090 1091 1126 1129 1131 1149 1164 1167 1819 1870 2028
SDM	0427 0525 0649 1488 1560 1578 1743 1761 1851 1863 1876 1890
SHJ	0910
SHY	0138 0148 0811
SLK	0899 0969 1074 1098 1228 1422 1561 1698 2058
SSV	0496 1411 1571 1605 1780 1961 2003
SVR	0140 0157 0203 0220 0735 1063



# SERVICE BULLETIN

OPERATOR	MSN
SWR	0520 0522 0541 0545 0553 0559 0562 0574 0577 0578 0585 0596 0603 0612 0621 0635 0643 0664 0673 0681 0701 0703 0713 0727 0734 0782 0987 1018 1144 1951 2024 2134
SYR	0886 0918 1032 1076 1085 1117
TAE	0657 2084
TAI	1066 1113 1334 1400 1523 1624 1934 1952 2118
TAM	0243 0250 0251 0334 0335 0440 0758 0976 1010 1092 1096 1103 1139 1143 1158 1215 1246 1251 1339 1368 1376 1459 1486 1518 1575 1580 1591 1593 1595 1608 1613 1628 1652 1663 1672 1692 1703 1717 1757 1771 1775 1801 1802 1804 1818 1825 1826 1827 1831 1832 1835 1837 1855 1857 1888 1891 2014 2044
TAP	0185 0191 0395 0629 0750 0755 0763 0790 0821 0837 0870 0906 0917 0933 0945 0960 0979 0982 1034 1100 1106 1120 1127 1165 1181 1206 1231 1307 1399 1667 1713 1756 1765 1799 1816
TAR	0119 0123 0124 0205 0370 0390 0402 0511 0869 0880 0958 0975 1187 1479 1700
TAS	0667 0739 0743 1054
TCW	0425 0653 1306 1787 1929 1975
TCX	0193 0424 0429 0437 0476 0677 0716 1238 1250 1942 1965 2060 2114
THY	0806 0810 1002 1219 1233 1856 1909 1996
TNA	0538 0555 0606 0731 0746 0791 0822
TOM	0781 0852 1320 1637 1720 1777
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
UDC	0085 0230 0733 0747
UEA	0946 0949 1263 1751

# SERVICE BULLETIN

OPERATOR	MSN
USA	0052 0053 0054 0055 0064 0065 0066 0067 0076 0077 0081 0082 0098 0099 0317 0448 0543 0584 0661 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
VBW	0588
VIM	2108
VKG	1881 1887 1889 1921 1932 1954 1960 1972
VLG	1413
VLK	0422 0528 0714 0730 1200
VOI	1140 1159
VUN	1017
WGT	1212
WHT	1256
WZZ	0839 0892 1635 1834 1892 1902
XLF	0343 0407 0973

## (4) Configuration by MSN

MSN	CONFIGURATION
0002 0003 0005 0007 0010 0012 0013 0014 0016 0019 0020 0021 0031 0034 0040 0041 0043 0044 0052 0053 0054 0055 0061 0062 0063 0065 0066 0069 0070 0071 0072 0078 0083 0086 0093 0094 0100 0101 0102 0104 0108 0110 0111 0112 0113 0114 0115 0116 0117 0118 0121 0125 0128 0129 0130 0132 0133 0134 0135 0136 0137 0138 0139 0143 0144 0145 0146 0147 0148 0151 0152 0153 0155 0156 0158 0160 0161 0162 0171 0172 0173 0174 0175 0176 0177 0184 0186 0187 0188 0189 0190 0192 0193 0197 0199 0200 0201 0202 0203 0204 0206 0207 0208 0209 0210 0213 0214 0215 0216 0217 0218 0220 0221 0222 0223 0224 0225 0226 0227 0228 0230 0231 0232 0233 0235 0236 0237 0239 0240 0241 0243 0244 0246 0249 0250 0251 0252 0259 0260 0262 0263 0264 0266 0267 0268 0269 0270 0272 0273 0274 0275 0276 0278 0279 0280 0281 0282 0283 0284 0285 0286 0287 0289 0291 0292 0293 0294 0296 0297 0298 0299 0301 0302 0303 0305 0306 0307 0309 0312 0318 0319 0320 0321 0323 0327 0329 0330 0334 0335 0336 0337 0339 0340 0343 0346 0347 0348 0349 0352 0353 0354 0355 0356 0357 0358 0360 0361 0362 0363 0364 0367 0368 0371 0372 0373 0377 0379 0380 0381 0382 0385 0387 0388 0389 0391 0392 0393 0394 0399 0400 0401 0403 0404 0408 0409 0410 0411 0412 0414 0415 0417 0418 0422 0425 0426 0427 0429 0430 0434 0435 0437 0439 0440 0441 0442 0443 0444 0446 0447 0448 0449 0450 0452 0453 0454 0456 0457 0458 0462 0463 0464 0465 0467 0468 0470 0472 0473 0474 0475 0476 0477 0478 0479 0483 0484 0485 0487 0488 0489 0491 0493 0494 0495 0498 0500 0502 0503 0504 0505 0506 0508 0509 0510 0512 0513 0514 0515 0516 0517 0518 0519 0520 0521 0522 0523 0524 0526 0527 0528 0529 0530 0532 0533 0535 0539 0541 0543 0544 0545 0546 0548 0550 0552 0553 0557 0559 0560 0562 0563 0564 0565 0566 0567 0568 0570 0571 0572 0573 0574 0575 0576 0577 0578 0579 0580 0581 0582 0583 0584 0585 0586 0587 0588 0589 0590 0591 0592 0593 0594 0595 0596 0597 0598 0599 0600 0601 0603 0605 0607 0608 0609 0610 0611 0612 0613 0616 0617 0618 0619 0621 0623 0625 0627 0629 0634 0635 0636 0637 0638 0639 0641 0642 0643 0644 0645 0647 0648 0649 0650 0651 0652 0655 0656 0659 0660 0661 0663 0664 0667 0668 0670 0671 0672 0673 0677 0678 0679 0681 0682 0683 0686 0688 0689 0690 0691 0692 0693 0694 0695 0696 0697 0698 0699 0700 0701 0702 0703 0704 0705 0709 0710 0711 0712 0713 0714 0716 0717 0718 0719 0720 0721 0722 0723 0727 0728 0729 0730 0732 0734 0735 0736 0738 0740 0742 0744 0748 0750 0751 0752 0755 0756 0757 0758 0759 0761 0763 0764 0765 0766 0767 0768 0769 0770 0771 0772 0773 0774 0776 0777 0778 0779 0780 0781 0782 0783 0784 0785 0786 0787 0788 0790 0792 0793 0796 0797 0798 0799 0800 0801 0802 0803 0804 0806 0807 0809 0810 0811 0812 0813 0814 0815 0816 0817 0818 0819 0820 0821 0824 0825	002

## SERVICE BULLETIN

MSN	CONFIGURATION
0826 0827 0828 0829 0830 0831 0832 0833 0834 0835 0836 0837 0840 0841 0842 0843 0844 0845 0846 0847 0848 0849 0850 0851 0852 0853 0855 0856 0857 0858 0859 0860 0861 0862 0863 0864 0865 0867 0868 0869 0870 0871 0872 0873 0875 0876 0877 0880 0881 0882 0883 0884 0885 0887 0889 0890 0891 0893 0894 0895 0896 0898 0899 0900 0901 0903 0904 0905 0906 0907 0911 0914 0917 0920 0921 0922 0923 0925 0926 0929 0930 0933 0934 0935 0936 0937 0938 0940 0941 0942 0944 0945 0946 0947 0948 0949 0950 0951 0952 0953 0954 0955 0957 0958 0959 0960 0961 0962 0963 0964 0965 0966 0968 0969 0970 0971 0972 0974 0975 0976 0978 0979 0980 0981 0982 0983 0985 0987 0988 0989 0990 0991 0992 0993 0994 0995 0996 0997 0998 0999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1014 1015 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1033 1034 1035 1036 1037 1038 1039 1040 1042 1045 1046 1047 1048 1051 1052 1054 1055 1057 1058 1059 1061 1062 1063 1065 1066 1067 1068 1069 1070 1071 1072 1073 1074 1077 1078 1080 1081 1082 1084 1086 1087 1089 1090 1091 1092 1093 1094 1095 1096 1097 1098 1099 1100 1101 1102 1103 1104 1105 1106 1107 1108 1109 1112 1113 1114 1115 1118 1119 1120 1121 1122 1123 1124 1125 1126 1127 1128 1129 1130 1131 1132 1133 1134 1135 1136 1137 1138 1139 1140 1141 1142 1143 1144 1145 1146 1147 1148 1149 1150 1151 1152 1153 1154 1155 1156 1157 1158 1159 1160 1161 1162 1163 1164 1165 1166 1167 1168 1169 1170 1171 1173 1174 1175 1176 1177 1178 1179 1180 1181 1182 1183 1184 1185 1187 1188 1189 1190 1191 1192 1193 1195 1196 1197 1198 1199 1200 1201 1203 1204 1205 1206 1207 1208 1209 1210 1211 1214 1215 1216 1217 1218 1219 1220 1221 1222 1223 1224 1225 1226 1227 1228 1229 1230 1231 1232 1233 1234 1235 1236 1237 1239 1240 1241 1242 1243 1244 1245 1246 1247 1248 1249 1250 1251 1252 1253 1254 1255 1257 1258 1259 1260 1261 1262 1263 1264 1265 1266 1267 1268 1269 1270 1271 1272 1273 1275 1276 1277 1279 1280 1281 1282 1283 1285 1286 1287 1288 1289 1290 1291 1292 1294 1295 1296 1297 1298 1299 1300 1301 1302 1303 1304 1305 1306 1307 1308 1309 1310 1311 1312 1313 1314 1315 1317 1318 1319 1320 1321 1322 1324 1325 1326 1327 1328 1329 1330 1331 1332 1333 1334 1335 1336 1337 1338 1339 1340 1341 1342 1343 1344 1346 1347 1348 1349 1351 1352 1353 1354 1355 1357 1358 1359 1360 1361 1362 1363 1364 1365 1366 1367 1368 1369 1370 1371 1372 1376 1377 1378 1379 1380 1381 1382 1383 1384 1385 1386 1387 1388 1389 1391 1392 1393 1394 1395 1396 1398 1399 1400 1401 1402 1403 1404 1405 1407 1408 1409 1411 1412 1413 1414 1415 1416 1417 1418 1420 1421 1422 1423 1424 1425 1426 1427 1428 1429 1430 1431 1432 1433 1434 1435 1436 1437 1438 1439 1440 1441 1442 1444 1445 1446 1447 1448 1449 1450 1451 1452 1453 1454 1455 1456 1457 1458 1459 1460 1461 1462 1464 1465 1466 1467 1469 1470	002

## SERVICE BULLETIN

MSN	CONFIGURATION
1471 1472 1473 1474 1475 1476 1477 1478 1479 1480 1481 1482 1483 1484 1486 1487 1488 1489 1491 1492 1493 1494 1495 1496 1497 1498 1499 1500 1501 1502 1504 1505 1506 1507 1508 1509 1510 1511 1512 1513 1514 1515 1516 1517 1518 1519 1520 1521 1522 1523 1524 1525 1526 1528 1529 1530 1531 1532 1533 1535 1536 1537 1538 1539 1540 1541 1542 1543 1544 1545 1546 1548 1549 1550 1551 1553 1554 1555 1557 1558 1559 1560 1561 1562 1564 1566 1567 1568 1569 1570 1571 1572 1573 1574 1575 1577 1578 1579 1580 1581 1582 1583 1584 1585 1586 1587 1588 1589 1590 1591 1593 1594 1595 1596 1597 1598 1600 1601 1603 1604 1605 1606 1607 1608 1609 1610 1612 1613 1614 1615 1616 1617 1618 1619 1620 1622 1624 1625 1626 1627 1628 1629 1630 1631 1633 1634 1636 1637 1639 1640 1641 1642 1645 1646 1647 1648 1649 1650 1651 1652 1653 1654 1655 1656 1657 1658 1659 1660 1661 1662 1663 1664 1665 1666 1667 1668 1669 1670 1671 1672 1673 1674 1675 1676 1677 1678 1679 1680 1681 1682 1683 1684 1685 1686 1687 1688 1689 1690 1691 1692 1693 1694 1695 1696 1697 1698 1699 1700 1701 1702 1703 1704 1705 1706 1707 1708 1709 1711 1712 1713 1714 1715 1716 1718 1720 1721 1722 1723 1724 1725 1728 1730 1731 1732 1733 1734 1735 1736 1737 1738 1739 1740 1741 1742 1743 1744 1745 1746 1749 1750 1752 1753 1754 1755 1756 1757 1759 1760 1761 1762 1763 1764 1765 1766 1767 1769 1770 1771 1773 1774 1776 1777 1778 1779 1780 1781 1782 1784 1785 1786 1787 1788 1789 1791 1792 1793 1795 1796 1797 1798 1799 1800 1801 1802 1803 1804 1805 1806 1807 1808 1809 1810 1812 1814 1815 1816 1817 1818 1819 1820 1821 1823 1824 1825 1826 1827 1828 1829 1831 1832 1833 1835 1836 1837 1838 1839 1840 1841 1842 1843 1844 1845 1846 1847 1848 1849 1851 1852 1853 1854 1855 1857 1858 1860 1861 1862 1863 1865 1866 1867 1868 1869 1870 1871 1872 1873 1875 1876 1877 1881 1882 1883 1884 1885 1886 1887 1888 1889 1890 1891 1894 1895 1896 1897 1898 1899 1900 1901 1903 1904 1906 1907 1910 1911 1913 1914 1915 1916 1917 1918 1920 1921 1922 1923 1924 1925 1927 1929 1931 1932 1933 1934 1937 1939 1941 1942 1943 1946 1948 1949 1951 1952 1954 1957 1958 1959 1960 1961 1963 1964 1965 1968 1969 1972 1973 1974 1975 1976 1978 1979 1980 1981 1982 1983 1984 1987 1989 1990 1991 1993 1994 1995 1997 1998 2001 2002 2003 2005 2006 2009 2010 2011 2012 2013 2014 2017 2019 2020 2021 2022 2024 2026 2027 2028 2030 2031 2033 2034 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2047 2049 2050 2051 2052 2053 2054 2056 2057 2058 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2072 2074 2075 2076 2078 2080 2082 2083 2084 2086 2087 2089 2091 2092 2093 2095 2096 2097 2098 2099 2101 2102 2104 2105 2106 2108 2114 2115 2116 2118 2121 2125 2132 2133 2134 2136 2137 2138 2140 2141 2142 2143 2144 2146 2147 2149 2150 2151 2152 2191 2206 2217 2218 2220 2225 2242 2248 2250 2256 2264 2270 2311 2347	002

MSN	CONFIGURATION
2357 2365 2381 2391 2472 2488 2563 2599	002
0008 0029 0039 0042 0059 0064 0067 0068 0073 0076 0077 0081 0082 0084 0098 0099 0103 0109 0119 0120 0122 0124 0126 0127 0140 0141 0142 0149 0150 0154 0157 0159 0167 0170 0183 0196 0205 0211 0212 0219 0229 0242 0245 0248 0253 0254 0255 0265 0277 0288 0290 0300 0308 0310 0311 0313 0314 0317 0324 0325 0328 0331 0333 0341 0342 0345 0350 0359 0365 0370 0375 0378 0383 0384 0390 0402 0413 0419 0420 0421 0436 0438 0445 0459 0466 0482 0496 0497 0501 0507 0511 0531 0534 0537 0549 0554 0604 0614 0615 0622 0640 0658 0665 0669 0676 0685 0762 0866 0879 0888 0924 0931 0956 1043 1049 1050 1056 1064 1075 1079 1083 1088 1110 1111 1116 1202 1238 1274 1284 1323 1350 1373 1375 1397 1406 1410 1419 1443 1463 1490 1527 1534 1547 1552 1563 1565 1576 1621 1643 1644 1710 1717 1775 1859 1879 1935 1938 2128 2272 2294 2374 2399	001 002
0037 0038 0045 0046 0047 0048 0049 0050 0051 0056 0057 0058 0074 0075 0080 0087 0088 0089 0090 0095 0096 0097 0180 0181 0182 0195 0256 0295 0316 0396 0398 0406 0416 0423 0431 0432 0451 0469 0486 0490 0492 0499	001 003
0085 0185 0191 0234 0247 0257 0315 0376 0386 0395 0405 0407 0424 0428 0455 0460 0461 0471 0480 0525 0540 0542 0551 0556 0558 0561 0620 0624 0626 0628 0630 0631 0633 0646 0653 0654 0657 0662 0666 0674 0675 0684 0706 0707 0724 0726 0733 0737 0739 0741 0743 0745 0747 0749 0754 0760 0775 0794 0795 0805 0808 0823 0838 0839 0854 0874 0878 0886 0892 0897 0902 0908 0909 0910 0912 0913 0915 0916 0918 0919 0928 0932 0939 0943 0967 0973 0977 0984 0986 1013 1016 1032 1041 1053 1060 1076 1085 1117 1172 1194 1212 1213 1256 1293 1316 1345 1356 1390 1468 1485 1503 1556 1592 1602 1611 1623 1632 1635 1638 1719 1726 1727 1747 1748 1751 1758 1772 1783 1790 1811 1834 1850 1856 1864 1874 1878 1880 1892 1893 1902 1905 1908 1909 1912 1926 1936 1940 1944 1945 1947 1950 1953 1955 1956 1962 1966 1967 1970 1977 1988 1996 1999 2016 2018 2029 2048 2077 2123 2135 2139 2145	001
0123 0326	001 002 003 004
0165 0166 0178 0194 0198 0322 0332 0344 0351 0366 0369 0538 0555 0606 0680 0687 0715 0725 0731 0746 0791 0822	002 004
0258	004
0569	003

### (5) Configuration definition

#### \*\*CONF 001

Config. 001 is valid for aircraft on which Mod. No. 24146P3462 (AIR CONDITIONNING - AVIONICS EQUIPMENT VENTILATION - INSTALL A PALL FILTER P/N QB0452) and A320-21-1087 and A320-21-1173 and A320-21-1152 are not embodied.

**\*\*CONF 002**

Config. 002 is valid for aircraft on which Mod. No. 24146P3462 (AIR CONDITIONNING - AVIONICS EQUIPMENT VENTILATION - INSTALL A PALL FILTER P/N QB0452) or A320-21-1087 or A320-21-1173 is embodied and A320-21-1152 is not embodied.

**\*\*CONF 003**

Config. 003 is valid for aircraft on which Mod. No. 24146P3462 (AIR CONDITIONNING - AVIONICS EQUIPMENT VENTILATION - INSTALL A PALL FILTER P/N QB0452) and A320-21-1087 and A320-21-1173 are not embodied and A320-21-1152 is embodied.

**\*\*CONF 004**

Config. 004 is valid for aircraft on which Mod. No. 24146P3462 (AIR CONDITIONNING - AVIONICS EQUIPMENT VENTILATION - INSTALL A PALL FILTER P/N QB0452) or A320-21-1087 or A320-21-1173 is embodied and A320-21-1152 is embodied.

## (6) Material Effectivity

**\*\*CONF 001**

MATERIAL	QTY PER A/C	SEE NOTES
Equipment BFEA01	1	
Component COMPA01	1	

**\*\*CONF 002**

MATERIAL	QTY PER A/C	SEE NOTES
Equipment BFEA02	1	
Component COMPA01	1	

**\*\*CONF 003**

MATERIAL	QTY PER A/C	SEE NOTES
Equipment BFEA01	1	
Component COMPA01	1	
Component COMPA02	1	
Consumable CMLA01	1	

**\*\*CONF 004**

MATERIAL	QTY PER A/C	SEE NOTES
Equipment BFEA02	1	
Component COMPA01	1	
Component COMPA02	1	
Consumable CMLA01	1	

**\*\*CONF ALL****B. CONCURRENT REQUIREMENTS**

None

**C. REASON**

## (1) History

LE BOZEC FILTRATION and SYSTEMS proposes a new improved filter for the avionics ventilation system located in the avionics compartment.

This Service Bulletin is published to advise all operators of A318, A319, A320, A321 aircraft of the new LE BOZEC FILTRATION and SYSTEMS filter P/N 34800A200-5.

## (2) Objective/Action

This Service Bulletin proposes the replacement of the old LE BOZEC FILTRATION and SYSTEMS or PALL filter, installed by Modification No. 24146P3462, by a new one mechanically interchangeable.

The operating principle is identical to the previous LE BOZEC FILTRATION and SYSTEMS filter (demister stage for water separation and filter cartridge for dust separation).

## (3) Advantages

The new filter body is more compact with respect to the previous LE BOZEC FILTRATION and SYSTEMS filter, with a weight reduction of 3.0 Kg (6.614lb).

The pressure drop on the new equipment is 0.5 mB lower than the previous LE BOZEC FILTRATION and SYSTEMS filter.

The new filter has pressure ports to check the clogging level.

The dust and water separation performances are improved with respect to the previous LE BOZEC FILTRATION and SYSTEMS filter.

Refer to LE BOZEC FILTRATION and SYSTEMS Service Information Letter (SIL) No. 100-04.

## (4) Operational/Maintenance Consequences

None

**D. DESCRIPTION**

To accomplish this Service Bulletin it is necessary to :

**\*\*CONF 001**

Task 211139-831-801-001: MODIFICATION

(1) Remove the LE BOZEC Filter

(2) Install the New LE BOZEC Filter



**\*\*CONF 002**

Task 211139-831-801-001: MODIFICATION

- (1) Remove the PALL Filter
- (2) Install the New LE BOZEC Filter

**\*\*CONF 003**

Task 211139-831-801-001: MODIFICATION

- (1) Remove the Fairing and the plug
- (2) Install the Plug
- (3) Remove the LE BOZEC Filter
- (4) Install the New LE BOZEC Filter

**\*\*CONF 004**

Task 211139-831-801-001: MODIFICATION

- (1) Remove the Fairing and the plug
- (2) Install the Plug
- (3) Remove the PALL Filter
- (4) Install the New LE BOZEC Filter

**\*\*CONF ALL****E. COMPLIANCE**

- (1) Classification

DESIRABLE

- (2) Accomplishment Timescale

In accordance with operators' maintenance schedule.

**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.

#### \*\*CONF 001

Task 211139-831-801-001: MODIFICATION	
Get Access	0.50
<b>On Aircraft</b>	
Remove the LE BOZEC Filter	0.5
Install the New LE BOZEC Filter	0.5
Close-Up	0.50
TOTAL MANHOURS	2.00
ELAPSED TIME (HOURS)	2.00

#### \*\*CONF 002

Task 211139-831-801-001: MODIFICATION	
Get Access	0.50
<b>On Aircraft</b>	
Remove the PALL Filter	0.5
Install the New LE BOZEC Filter	0.5
Close-Up	0.50
TOTAL MANHOURS	2.00
ELAPSED TIME (HOURS)	2.00

#### \*\*CONF 003

Task 211139-831-801-001: MODIFICATION	
Get Access	0.50
<b>On Aircraft</b>	
Remove the Fairing and the plug	0.5
Install the Plug	1.0
Remove the LE BOZEC Filter	0.5
Install the New LE BOZEC Filter	0.5
Close-Up	0.50
TOTAL MANHOURS	3.50
ELAPSED TIME (HOURS)	3.50

#### \*\*CONF 004

Task 211139-831-801-001: MODIFICATION	
Get Access	0.50
<b>On Aircraft</b>	

Task 211139-831-801-001: MODIFICATION	
Remove the Fairing and the plug	0.5
Install the Plug	1.0
Remove the PALL Filter	0.5
Install the New LE BOZEC Filter	0.5
Close-Up	0.50
TOTAL MANHOURS	3.50
ELAPSED TIME (HOURS)	3.50

**\*\*CONF ALL****H. WEIGHT AND BALANCE****\*\*CONF 001**

Manufacturers Empty Weight	-1.370 KG	(-3.0203 LB)
Effect on Balance	-11.618 KGM	(-84.033 LB.FT )

**\*\*CONF 002**

Manufacturers Empty Weight	-0.930 KG	(-2.0502 LB)
Effect on Balance	-7.886 KGM	(-57.039 LB.FT )

**\*\*CONF 003**

Manufacturers Empty Weight	-2.635 KG	(-5.8091 LB)
Effect on Balance	-22.345 KGM	(-161.621 LB.FT )

**\*\*CONF 004**

Manufacturers Empty Weight	-2.195 KG	(-4.8391 LB)
Effect on Balance	-18.614 KGM	(-134.635 LB.FT )

**\*\*CONF ALL****I. ELECTRICAL LOAD DATA**

Not Changed

**J. REFERENCES****\*\*CONF 001**

Aircraft Maintenance Manual (AMM)	20-28-00 21-26-43
ATA Common Support Data Dictionary (CSDD), Chapter 2	
Elec. Std. Practices Manual (ESPM)	20-55-00
Service Bulletin (SB)	A320-21-1087 A320-21-1152 A320-21-1173

## SERVICE BULLETIN

Standards Manual (SM)			
Structural Repair Manual (SRM)	51-23-11 51-46-11	51-42-11 51-76-11	51-44-11

**\*\*CONF 002**

Aircraft Maintenance Manual (AMM)	20-28-00	21-26-43	
ATA Common Support Data Dictionary (CSDD), Chapter 2			
Elec. Std. Practices Manual (ESPM)	20-55-00		
Service Bulletin (SB)	A320-21-1087 A320-21-1152 A320-21-1173		
Standards Manual (SM)			
Structural Repair Manual (SRM)	51-23-11 51-46-11	51-42-11 51-76-11	51-44-11

**\*\*CONF 003**

Aircraft Maintenance Manual (AMM)	20-28-00	21-26-43	
ATA Common Support Data Dictionary (CSDD), Chapter 2			
Elec. Std. Practices Manual (ESPM)	20-55-00		
Service Bulletin (SB)	A320-21-1087 A320-21-1152 A320-21-1173		
Standards Manual (SM)			
Structural Repair Manual (SRM)	51-23-11 51-46-11	51-42-11 51-76-11	51-44-11

**\*\*CONF 004**

Aircraft Maintenance Manual (AMM)	20-28-00	21-26-43	
ATA Common Support Data Dictionary (CSDD), Chapter 2			
Elec. Std. Practices Manual (ESPM)	20-55-00		
Service Bulletin (SB)	A320-21-1087 A320-21-1152 A320-21-1173		
Standards Manual (SM)			
Structural Repair Manual (SRM)	51-23-11 51-46-11	51-42-11 51-76-11	51-44-11

**\*\*CONF ALL****K. PUBLICATION AFFECTED**

Aircraft Maintenance Manual (AMM)	21-26-00	21-26-42	21-26-43
Illustrated Parts Catalog (IPC)	11-33-21	21-26-01	21-26-43
Trouble Shooting Manual (TSM)	21-26-00		

### L. INTERCHANGEABILITY/MIXABILITY

#### **\*\*CONF 001**

DESCRIPTION	OLD PART N°	NEW PART N°	INT	MIXABILITY	SEE NOTES
housing assy	57514-31	402K200-1	03	See note(s)	(1)
housing filter	57514-02	402K200-1	03	See note(s)	(1)
syphon assy	SF0090	402U20-1	03	See note(s)	(1)
cartridge assy	4200A200-4	4200A200-5	03	See note(s)	(1)
cartridge assy	420A200-2	4200A200-5	03	See note(s)	(1)
demister filter	4250A200-3	425A200-5	03	See note(s)	(1)

NOTE (1): For definitions of interchangeability codes in column INT., refer to ATA Common Support Data Dictionary (CSDD), Chapter 2.

#### **\*\*CONF 002**

DESCRIPTION	OLD PART N°	NEW PART N°	INT	MIXABILITY	SEE NOTES
housing assy	QB0555	402K200-1	03	See note(s)	(1)
syphon assy	QB0553	402U20-1	03	See note(s)	(1)
cartridge assy	QB0511	4200A200-5	03	See note(s)	(1)
cartridge assy	QB0639	4200A200-5	03	See note(s)	(1)

NOTE (1): For definitions of interchangeability codes in column INT., refer to ATA Common Support Data Dictionary (CSDD), Chapter 2.

#### **\*\*CONF 003**

DESCRIPTION	OLD PART N°	NEW PART N°	INT	MIXABILITY	SEE NOTES
housing assy	57514-31	402K200-1	03	See note(s)	(1)
housing filter	57514-02	402K200-1	03	See note(s)	(1)
syphon assy	SF0090	402U20-1	03	See note(s)	(1)
cartridge assy	4200A200-4	4200A200-5	03	See note(s)	(1)
cartridge assy	420A200-2	4200A200-5	03	See note(s)	(1)
demister filter	4250A200-3	425A200-5	03	See note(s)	(1)

NOTE (1): For definitions of interchangeability codes in column INT., refer to ATA Common Support Data Dictionary (CSDD), Chapter 2.

#### **\*\*CONF 004**

DESCRIPTION	OLD PART N°	NEW PART N°	INT	MIXABILITY	SEE NOTES
housing assy	QB0555	402K200-1	03	See note(s)	(1)
syphon assy	QB0553	402U20-1	03	See note(s)	(1)

DESCRIPTION	OLD PART N°	NEW PART N°	INT	MIXABILITY	SEE NOTES
cartridge assy	QB0511	4200A200-5	03	See note(s)	(1)
cartridge assy	QB0639	4200A200-5	03	See note(s)	(1)

NOTE (1): For definitions of interchangeability codes in column INT., refer to ATA Common Support Data Dictionary (CSDD), Chapter 2.

**\*\*CONF ALL****M. SPARES**

cartridge assy	4200A200-4
cartridge assy	420A200-2
demister filter	4250A200-3
housing filter	57514-02
housing assy	57514-31
cartridge assy	QB0511
syphon assy	QB0553
housing assy	QB0555
cartridge assy	QB0639
syphon assy	SF0090

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

Vendor parts are to be purchased from :

LE BOZEC FILTRATION FILTRATION  
2, rue de la pature  
78420 Carrieres sur seine  
FRANCE

**(2) Price and Availability**

Sales terms for the equipment must be negotiated with the equipment vendor (See MATERIAL INFORMATION).

**B. INDUSTRY SUPPORT INFORMATION**

Refer to paragraph 2.A.(2) : Price and Availability.

**C. LIST OF COMPONENTS**

No Kit

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

Consumable CMLA01

ITEM	DESCRIPTION	REFERENCE TO CML MAT. No.	QTY PER A/C	SEE NOTES
	Pure Mineral Vaseline Or Petro-Latum	04-012	As required	
	Electrical Bonding Coating (Blue Color)	07-001B	As required	
	Corrosion Inhibitive interfay Sealant	09-005	As required	

**(2) Components**

Component COMPA01

ITEM	NEW PART N°	QTY (UM)	KEYWORD	ITEM	OLD PART N°	INT	SEE NOTES
6	NAS1303-3	4	Bolt				
7	NAS1726-3	4	Nut				
8	NSA8203-260	1	Packing				

## SERVICE BULLETIN

**NOTE:** If you find part numbers of hardware components in the related kit(s) which you cannot identify in the LIST OF COMPONENTS of this Service Bulletin, refer to Standards Manual (SM). The SM will give you the correct part number to part number relationship.

### Component COMPA02

ITEM	NEW PART N°	QTY (UM)	KEYWORD	ITEM	OLD PART N°	INT	SEE NOTES
23	ASNA2529-3	10	Nut				
24	ASNA2051DCJ3215	10	Rivet				
25	NSA8205-171	1	Oring				
26	EN6114-3-5	10	Screw				

**NOTE:** If you find part numbers of hardware components in the related kit(s) which you cannot identify in the LIST OF COMPONENTS of this Service Bulletin, refer to Standards Manual (SM). The SM will give you the correct part number to part number relationship.

### (3) Equipment

#### Equipment BFEA01

ITEM	NEW PART N°	QTY (UM)	KEYWORD	ITEM	OLD PART N°	INT	SEE NOTES
1	425A200-5	1	Demister	(1)	4250A200-3	03	
2	4200A200-5	1	CARTRIDG	(2)	4200A200-4	03	
				(2)	420A200-2	03	
3	402K200-1	1	Housing	(3)	57514-02	03	
				(3)	57514-31	03	
4	402U20-1	1	Tube	(4)	SF0090	03	

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

#### Equipment BFEA02

ITEM	NEW PART N°	QTY (UM)	KEYWORD	ITEM	OLD PART N°	INT	SEE NOTES
1	425A200-5	1	Demister				
2	4200A200-5	1	CARTRIDG	(2)	QB0511	03	
				(2)	QB0639	03	
3	402K200-1	1	Housing	(3)	QB0555	03	
4	402U20-1	1	Tube	(4)	QB0553	03	

**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

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**3. ACCOMPLISHMENT INSTRUCTIONS**

Task 211139-831-801-001 - 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.

IF THERE IS CONTAMINATION, ESPM 20-55-00.

**Task Associated Data****\*\*CONF 001**

Zone	
120	
Modified FIN	
2081HM 2082HM 2083HM 2095HM	
Manpower	
TOTAL MANHOURS	2.00
ELAPSED TIME (HOURS)	2.00

**\*\*CONF 002**

Zone	
120	
Modified FIN	
2081HM 2082HM 2083HM 2095HM	
Manpower	
TOTAL MANHOURS	2.00
ELAPSED TIME (HOURS)	2.00

**\*\*CONF 003**

Zone	
120	

Modified FIN	
2081HM 2082HM 2083HM 2095HM	
Manpower	
TOTAL MANHOURS	3.50
ELAPSED TIME (HOURS)	3.50

**\*\*CONF 004**

Zone	
120	
Modified FIN	
2081HM 2082HM 2083HM 2095HM	
Manpower	
TOTAL MANHOURS	3.50
ELAPSED TIME (HOURS)	3.50

**\*\*CONF ALL****A. GENERAL****\*\*CONF 001**

- (1) Subtask 211139-839-001-001 - Administrative

Manpower Resources	
Skills	NON SPECIFIC

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

**\*\*CONF 002**

- (1) Subtask 211139-839-001-001 - Administrative

Manpower Resources	
Skills	NON SPECIFIC

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

**\*\*CONF 003**

- (1) Subtask 211139-910-001-001 - Standard Practices

Manpower Resources	
Skills	NON SPECIFIC

## SERVICE BULLETIN

Material necessary to do the job

Consumable CMLA01				
ITEM	DESCRIPTION	REFERENCE TO CML MAT. No.	QTY PER A/C	SEE NOTES
	Pure Mineral Vaseline Or Petro-Latum	04-012	As required	
	Electrical Bonding Coating (Blue Color)	07-001B	As required	

References	
Aircraft Maintenance Manual (AMM)	20-28-00, Page Block 201
Structural Repair Manual (SRM)	51-23-11 51-42-11 51-44-11 51-46-11 51-76-11

- (a) Remove/install the fasteners (Refer to SRM 51-42-11).
- (b) For fasteners hole and drill data (Refer to SRM 51-44-11).
- (c) For the countersinking (Refer to SRM 51-46-11).
- (d) Repair of the sealing (Refer to SRM 51-76-11).
- (e) For the paint coatings (Refer to SRM 51-23-11).
- (f) Do the electrical bonding (Refer to AMM 20-28-00, Page Block 201) :

Pure Mineral Vaseline Or Petro-Latum	04-012	As required
Electrical Bonding Coating (Blue Color)	07-001B	As required

- (2) Subtask 211139-839-001-001 - Administrative

Manpower Resources	
Skills	NON SPECIFIC

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

**\*\*CONF 004**

- (1) Subtask 211139-910-001-001 - Standard Practices

Manpower Resources	
Skills	NON SPECIFIC

## SERVICE BULLETIN

Material necessary to do the job

Consumable CMLA01				
ITEM	DESCRIPTION	REFERENCE TO CML MAT. No.	QTY PER A/C	SEE NOTES
	Pure Mineral Vaseline Or Petro-Latum	04-012	As required	
	Electrical Bonding Coating (Blue Color)	07-001B	As required	

References	
Aircraft Maintenance Manual (AMM)	20-28-00, Page Block 201
Structural Repair Manual (SRM)	51-23-11 51-42-11 51-44-11 51-46-11 51-76-11

- (a) Remove/install the fasteners (Refer to SRM 51-42-11).
- (b) For fasteners hole and drill data (Refer to SRM 51-44-11).
- (c) For the countersinking (Refer to SRM 51-46-11).
- (d) Repair of the sealing (Refer to SRM 51-76-11).
- (e) For the paint coatings (Refer to SRM 51-23-11).
- (f) Do the electrical bonding (Refer to AMM 20-28-00, Page Block 201) :

Pure Mineral Vaseline Or Petro-Latum	04-012	As required
Electrical Bonding Coating (Blue Color)	07-001B	As required

- (2) Subtask 211139-839-001-001 - Administrative

Manpower Resources	
Skills	NON SPECIFIC

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

**\*\*CONF ALL****B. PREPARATION****\*\*CONF 001**

- (1) Subtask 211139-941-001-001 - Job Set-up

Manpower Resources	
Skills	NON SPECIFIC

References	
Aircraft Maintenance Manual (AMM)	Task 21-26-43-000-002

- (a) Do the preparation procedure as specified in the removal/installation procedure of the filter assembly (Refer to AMM Task 21-26-43-000-002).

**\*\*CONF 002**

- (1) Subtask 211139-941-001-002 - Job Set-up

Manpower Resources	
Skills	NON SPECIFIC

References	
Aircraft Maintenance Manual (AMM)	Task 21-26-43-000-003

- (a) Do the preparation procedure as specified in the removal/installation procedure of the filter assembly (Refer to AMM Task 21-26-43-000-003).

**\*\*CONF 003**

- (1) Subtask 211139-941-001-001 - Job Set-up

Manpower Resources	
Skills	NON SPECIFIC

References	
Aircraft Maintenance Manual (AMM)	Task 21-26-43-000-002

- (a) Do the preparation procedure as specified in the removal/installation procedure of the filter assembly (Refer to AMM Task 21-26-43-000-002).

**\*\*CONF 004**

- (1) Subtask 211139-941-001-002 - Job Set-up

Manpower Resources	
Skills	NON SPECIFIC

References	
Aircraft Maintenance Manual (AMM)	Task 21-26-43-000-003

- (a) Do the preparation procedure as specified in the removal/installation procedure of the filter assembly (Refer to AMM Task 21-26-43-000-003).

**\*\*CONF ALL**

### C. PROCEDURE

**\*\*CONF 001**

- (1) Subtask 211139-020-001-001 - Remove the LE BOZEC Filter

Work Zones and Access Panels		
	Zone	Access/Work location
	120	

Manpower Resources	
Manhours	0.5
Minimum number of person	1
Subtask elapsed time	0.5
Skills	NON SPECIFIC

References	
Aircraft Maintenance Manual (AMM)	Task 21-26-43-000-002
Fig. A-FCAAA	<a href="#">Sheet 01 - Removal of the LE BOZEC Filter</a>

- (a) Remove :

Refer to [Fig. A-FCAAA Sheet 01](#)

2	clamp	Item (9)	Retain
	or		
4	clamp	Item (9)	Retain
1	flexible sleeve	Item (13)	Retain
2	clamp	Item (10)	Retain
	or		
4	clamp	Item (10)	Retain
1	flexible sleeve	Item (14)	Retain
1	clamp	Item (11)	Retain

Disconnect the drain hose Item (15) without complete removal :



1	drain hose	Item (15)	Retain
1	clamp	Item (12)	Retain
1	packing	Item (8)	Discard
2	bolt	Item (6)	Discard
2	nut	Item (7)	Discard
	and		

Refer to AMM Task 21-26-43-000-002.

1	blowing duct	Item (5)	Discard
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### FIN 2083HM

1	housing filter	57514-02	Item (3)	Discard
	or			

### FIN 2083HM

1	housing assy	57514-31	Item (3)	Discard
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NOTE: The housing filter Item (3) contains :

### FIN 2095HM

1	syphon assy	SF0090	Item (4)	Discard
---	-------------	--------	----------	---------

### FIN 2081HM

1	demister filter	4250A200-3	Item (1)	Discard
---	-----------------	------------	----------	---------

### FIN 2082HM

1	cartridge assy	420A200-2	Item (2)	Discard
	or			

### FIN 2082HM

1	cartrige assy	4200A200-4	Item (2)	Discard
---	---------------	------------	----------	---------

(2) Subtask 211139-420-001-001 - Install the New LE BOZEC Filter

Work Zones and Access Panels		
	Zone	Access/Work location
	120	

## SERVICE BULLETIN

Manpower Resources	
Manhours	0.5
Minimum number of person	1
Subtask elapsed time	0.5
Skills	NON SPECIFIC

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

Component COMPA01				
ITEM	NEW PART N°	QTY (UM)	KEYWORD	SEE NOTES
6	NAS1303-3	2	Bolt	
7	NAS1726-3	2	Nut	
8	NSA8203-260	1	Packing	

Equipment BFEA01				
ITEM	NEW PART N°	QTY (UM)	KEYWORD	SEE NOTES
1	425A200-5	1	Demister	
2	4200A200-5	1	CARTRIDG	
3	402K200-1	1	Housing	
4	402U20-1	1	Tube	

References	
Fig. A-FCCAA	<a href="#">Sheet 01 - Installation of the New LE BOZEC Filter</a> <a href="#">Sheet 02 - Installation of the New LE BOZEC Filter</a>

Refer to [Fig. A-FCCAA Sheet 01](#) and [Fig. A-FCCAA Sheet 02](#)

### FIN 2083HM

1	housing assy	402K200-1	Item 3
2	bolt	NAS1303-3	Item 6
2	nut	NAS1726-3	Item 7

**NOTE:** The housing assy Item 3 contains :

### FIN 2081HM

1	demister filter	425A200-5	Item 1
---	-----------------	-----------	--------

### FIN 2082HM

1	cartridge assy	4200A200-5	Item 2
---	----------------	------------	--------

### FIN 2095HM

1	syphon assy	402U20-1	Item 4
---	-------------	----------	--------

**NOTE:** Items 16, 17 and 18 are parts of syphon assy Item 4.

and

2 clamp Item (9)

or

4 clamp Item (9)

1 flexible sleeve Item (13)

2 clamp Item (10)

or

4 clamp Item (10)

1 flexible sleeve Item (14)

**NOTE (01):** Center the sleeves Items (13) and (14) between the two red edgings.

**NOTE (02):** Screw access of the clamps Items (9) and (10) are defined by the fitter.

1 clamp Item (11)

1 drain hose Item (15)

1 clamp Item (12)

1 packing NSA8203-260 Item 8

**NOTE:** Items (9), (10), (11), (12), (13), (14) and (15) were retained at removal.

### **\*\*CONF 002**

(1) Subtask 211139-020-001-002 - Remove the PALL Filter

Work Zones and Access Panels		
	Zone	Access/Work location
	120	

Manpower Resources	
Manhours	0.5
Minimum number of person	1
Subtask elapsed time	0.5
Skills	NON SPECIFIC

References	
Aircraft Maintenance Manual (AMM)	Task 21-26-43-000-003
Fig. A-FCBAA	<a href="#">Sheet 01 - Removal of the PALL Filter</a>

(a) Remove :

Refer to [Fig. A-FCBAA Sheet 01](#)

2	clamp	Item (9)	Retain
	or		
4	clamp	Item (9)	Retain
1	flexible sleeve	Item (13)	Retain
2	clamp	Item (10)	Retain
	or		
4	clamp	Item (10)	Retain
1	flexible sleeve	Item (14)	Retain
1	clamp	Item (11)	Retain

Disconnect the drain hose Item (15) without complete removal :

1	drain hose	Item (15)	Retain
1	clamp	Item (12)	Retain
1	packing	Item (8)	Discard
2	bolt	Item (6)	Discard
2	nut	Item (7)	Discard

and

Refer to AMM Task 21-26-43-000-003.

FIN

FIN 2083HM

1	housing assy	QB0555	Item (3)	Discard
---	--------------	--------	----------	---------

NOTE: The housing filter Item (3) contains :

FIN 2095HM

1	syphon assy	QB0553	Item (4)	Discard
---	-------------	--------	----------	---------

FIN 2082HM

1	cartridge assy	QB0511	Item (2)	Discard
---	----------------	--------	----------	---------

or

## SERVICE BULLETIN

FIN 2082HM

1 cartridge assy QB0639 Item (2) Discard

(2) Subtask 211139-420-001-002 - Install the New LE BOZEC Filter

Work Zones and Access Panels		
	Zone	Access/Work location
	120	

Manpower Resources	
Manhours	0.5
Minimum number of person	1
Subtask elapsed time	0.5
Skills	NON SPECIFIC

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

Component COMPA01				
ITEM	NEW PART N°	QTY (UM)	KEYWORD	SEE NOTES
6	NAS1303-3	2	Bolt	
7	NAS1726-3	2	Nut	
8	NSA8203-260	1	Packing	

Equipment BFEA02				
ITEM	NEW PART N°	QTY (UM)	KEYWORD	SEE NOTES
1	425A200-5	1	Demister	
2	4200A200-5	1	CARTRIDG	
3	402K200-1	1	Housing	
4	402U20-1	1	Tube	

References	
Fig. A-FCCAA	<a href="#">Sheet 01 - Installation of the New LE BOZEC Filter</a> <a href="#">Sheet 02 - Installation of the New LE BOZEC Filter</a>

Refer to [Fig. A-FCCAA Sheet 01](#) and [Fig. A-FCCAA Sheet 02](#)

FIN 2083HM

1 housing assy 402K200-1 Item 3

2 bolt NAS1303-3 Item 6

2 nut NAS1726-3 Item 7

NOTE: The housing assy Item 3 contains :

### FIN 2081HM

1 demister filter 425A200-5 Item 1

### FIN 2082HM

1 cartridge assy 4200A200-5 Item 2

### FIN 2095HM

1 syphon assy 402U20-1 Item 4

NOTE: Items 16, 17 and 18 are parts of syphon assy Item 4.

and

2 clamp Item (9)

or

4 clamp Item (9)

1 flexible sleeve Item (13)

2 clamp Item (10)

or

4 clamp Item (10)

1 flexible sleeve Item (14)

NOTE (01): Center the sleeves Items (13) and (14) between the two red edgings.

NOTE (02): Screw access of the clamps Items (9) and (10) are defined by the fitter.

1 clamp Item (11)

1 drain hose Item (15)

1 clamp Item (12)

1 packing NSA8203-260 Item 8

NOTE: Items (9), (10), (11), (12), (13), (14) and (15) were retained at removal.

### **\*\*CONF 003**

(1) Subtask 211139-831-001-001 - Remove the Fairing and the plug

Work Zones and Access Panels		
	Zone	Access/Work location
	120	

## SERVICE BULLETIN

Manpower Resources	
Manhours	0.5
Minimum number of person	1
Subtask elapsed time	0.5
Skills	NON SPECIFIC

References	
Fig. A-FBAAA	<a href="#">Sheet 01 - Removal of the Fairing and the Plug</a> <a href="#">Sheet 02 - Removal of the Fairing and the Plug</a> <a href="#">Sheet 03 - Removal of the Fairing and the Plug</a>

(a) Remove the plug :

Refer to [Fig. A-FBAAA Sheet 01](#) thru [Fig. A-FBAAA Sheet 03](#)

1	Plug	Item (21)	Retain
1	O-Ring	Item (25)	Discard
	attached with		
10	Screw	Item (22)	Discard

(b) Remove the fairing :

Refer to [Fig. A-FBAAA Sheet 01](#) thru [Fig. A-FBAAA Sheet 03](#)

1	Fairing	Item (20)	Discard
	attached with		
10	Rivet	Item (24)	Discard

(2) Subtask 211139-831-002-001 - Install the Plug

Work Zones and Access Panels		
	Zone	Access/Work location
	120	

Manpower Resources	
Manhours	1.0
Minimum number of person	1
Subtask elapsed time	1.0
Skills	NON SPECIFIC

Material necessary to do the job

Component COMPA02				
ITEM	NEW PART N°	QTY (UM)	KEYWORD	SEE NOTES
23	ASNA2529-3	20	Nut	
24	ASNA2051DCJ3215	10	Rivet	
25	NSA8205-171	1	Oring	
26	EN6114-3-5	20	Screw	

Consumable CMLA01				
ITEM	DESCRIPTION	REFERENCE TO CML MAT. No.	QTY PER A/C	SEE NOTES
	Corrosion Inhibitive interfay Sealant	09-005	As required	

References	
Fig. A-FBBAA	<a href="#">Sheet 01 - Installation of the Plug</a> <a href="#">Sheet 02 - Installation of the Plug</a> <a href="#">Sheet 03 - Installation of the Plug</a>

(a) Temporarily put in position the plug Item (21).

Refer to [Fig. A-FBBAA Sheet 01](#) thru [Fig. A-FBBAA Sheet 03](#)

1	Plug		Item (21)
	with		
10	Screw	EN6114-3-5	Item 26
10	Nut	ASNA2529-3	Item 23

(b) Drill ten holes on the plug Item (21) to match the existing holes of the structure.

(c) Remove and deburr.

(d) Install :

Refer to [Fig. A-FBBAA Sheet 01](#) thru [Fig. A-FBBAA Sheet 03](#)

1	Plug		Item (21)
1	O-Ring	NSA8205-171	Item 25
	with		
10	Screw	EN6114-3-5	Item 26
10	Nut	ASNA2529-3	Item 23



10 Rivet ASNA2051DCJ3215 Item 24

Apply to the interface of the plug and the structure :

Corrosion Inhibitive 09-005 As required  
interfay Sealant

NOTE: Item (21) was retained at removal.

(3) Subtask 211139-020-001-001 - Remove the LE BOZEC Filter

Work Zones and Access Panels		
	Zone	Access/Work location
	120	

Manpower Resources	
Manhours	0.5
Minimum number of person	1
Subtask elapsed time	0.5
Skills	NON SPECIFIC

References	
Aircraft Maintenance Manual (AMM)	Task 21-26-43-000-002
Fig. A-FCAAA	<a href="#">Sheet 01 - Removal of the LE BOZEC Filter</a>

(a) Remove :

Refer to [Fig. A-FCAAA Sheet 01](#)

2	clamp	Item (9)	Retain
	or		
4	clamp	Item (9)	Retain
1	flexible sleeve	Item (13)	Retain
2	clamp	Item (10)	Retain
	or		
4	clamp	Item (10)	Retain
1	flexible sleeve	Item (14)	Retain
1	clamp	Item (11)	Retain
	Disconnect the drain hose Item (15) without complete removal :		
1	drain hose	Item (15)	Retain

1	clamp	Item (12)	Retain
1	packing	Item (8)	Discard
2	bolt	Item (6)	Discard
2	nut	Item (7)	Discard

and

Refer to AMM Task 21-26-43-000-002.

1	blowing duct	Item (5)	Discard
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### FIN 2083HM

1	housing filter	57514-02	Item (3)	Discard
	or			

### FIN 2083HM

1	housing assy	57514-31	Item (3)	Discard
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NOTE: The housing filter Item (3) contains :

### FIN 2095HM

1	syphon assy	SF0090	Item (4)	Discard
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### FIN 2081HM

1	demister filter	4250A200-3	Item (1)	Discard
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### FIN 2082HM

1	cartridge assy	420A200-2	Item (2)	Discard
	or			

### FIN 2082HM

1	cartrige assy	4200A200-4	Item (2)	Discard
---	---------------	------------	----------	---------

(4) Subtask 211139-420-001-001 - Install the New LE BOZEC Filter

Work Zones and Access Panels		
	Zone	Access/Work location
	120	

Manpower Resources	
Manhours	0.5
Minimum number of person	1
Subtask elapsed time	0.5
Skills	NON SPECIFIC

Material necessary to do the job

Component COMPA01				
ITEM	NEW PART N°	QTY (UM)	KEYWORD	SEE NOTES
6	NAS1303-3	2	Bolt	
7	NAS1726-3	2	Nut	
8	NSA8203-260	1	Packing	

Equipment BFEA01				
ITEM	NEW PART N°	QTY (UM)	KEYWORD	SEE NOTES
1	425A200-5	1	Demister	
2	4200A200-5	1	CARTRIDG	
3	402K200-1	1	Housing	
4	402U20-1	1	Tube	

References	
Fig. A-FCCAA	<a href="#">Sheet 01 - Installation of the New LE BOZEC Filter</a> <a href="#">Sheet 02 - Installation of the New LE BOZEC Filter</a>

Refer to [Fig. A-FCCAA Sheet 01](#) and [Fig. A-FCCAA Sheet 02](#)

### FIN 2083HM

1	housing assy	402K200-1	Item 3
2	bolt	NAS1303-3	Item 6
2	nut	NAS1726-3	Item 7

NOTE: The housing assy Item 3 contains :

### FIN 2081HM

1	demister filter	425A200-5	Item 1
---	-----------------	-----------	--------

### FIN 2082HM

1	cartridge assy	4200A200-5	Item 2
---	----------------	------------	--------

### FIN 2095HM

1	syphon assy	402U20-1	Item 4
---	-------------	----------	--------

NOTE: Items 16, 17 and 18 are parts of syphon assy Item 4.

and

2	clamp	Item (9)
---	-------	----------

or

4	clamp	Item (9)
1	flexible sleeve	Item (13)
2	clamp	Item (10)
or		
4	clamp	Item (10)
1	flexible sleeve	Item (14)

NOTE (01): Center the sleeves Items (13) and (14) between the two red edgings.

NOTE (02): Screw access of the clamps Items (9) and (10) are defined by the fitter.

1	clamp		Item (11)
1	drain hose		Item (15)
1	clamp		Item (12)
1	packing	NSA8203-260	Item 8

NOTE: Items (9), (10), (11), (12), (13), (14) and (15) were retained at removal.

### **\*\*CONF 004**

(1) Subtask 211139-831-001-001 - Remove the Fairing and the plug

Work Zones and Access Panels		
	Zone	Access/Work location
	120	

Manpower Resources	
Manhours	0.5
Minimum number of person	1
Subtask elapsed time	0.5
Skills	NON SPECIFIC

References	
Fig. A-FBAAA	<a href="#">Sheet 01 - Removal of the Fairing and the Plug</a> <a href="#">Sheet 02 - Removal of the Fairing and the Plug</a> <a href="#">Sheet 03 - Removal of the Fairing and the Plug</a>

(a) Remove the plug :

Refer to [Fig. A-FBAAA Sheet 01](#) thru [Fig. A-FBAAA Sheet 03](#)

1	Plug	Item (21)	Retain
1	O-Ring	Item (25)	Discard
	attached with		
10	Screw	Item (22)	Discard

(b) Remove the fairing :

Refer to [Fig. A-FBAAA Sheet 01](#) thru [Fig. A-FBAAA Sheet 03](#)

1	Fairing	Item (20)	Discard
	attached with		
10	Rivet	Item (24)	Discard

(2) Subtask 211139-831-002-001 - Install the Plug

Work Zones and Access Panels		
	Zone	Access/Work location
	120	

Manpower Resources	
Manhours	1.0
Minimum number of person	1
Subtask elapsed time	1.0
Skills	NON SPECIFIC

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

Component COMPA02				
ITEM	NEW PART N°	QTY (UM)	KEYWORD	SEE NOTES
23	ASNA2529-3	20	Nut	
24	ASNA2051DCJ3215	10	Rivet	
25	NSA8205-171	1	Oring	
26	EN6114-3-5	20	Screw	

Consumable CMLA01				
ITEM	DESCRIPTION	REFERENCE TO CML MAT. No.	QTY PER A/C	SEE NOTES
	Corrosion Inhibitive interfay Sealant	09-005	As required	

References	
Fig. A-FBBAA	<a href="#">Sheet 01 - Installation of the Plug</a> <a href="#">Sheet 02 - Installation of the Plug</a> <a href="#">Sheet 03 - Installation of the Plug</a>

(a) Temporarily put in position the plug Item (21).

Refer to [Fig. A-FBBAA Sheet 01](#) thru [Fig. A-FBBAA Sheet 03](#)

1 Plug Item (21)  
with

10 Screw EN6114-3-5 Item 26

10 Nut ASNA2529-3 Item 23

(b) Drill ten holes on the plug Item (21) to match the existing holes of the structure.

(c) Remove and deburr.

(d) Install :

Refer to [Fig. A-FBBAA Sheet 01](#) thru [Fig. A-FBBAA Sheet 03](#)

1 Plug Item (21)

1 O-Ring NSA8205-171 Item 25  
with

10 Screw EN6114-3-5 Item 26

10 Nut ASNA2529-3 Item 23

10 Rivet ASNA2051DCJ3215 Item 24

Apply to the interface of the plug and the structure :

Corrosion Inhibitive 09-005 As required  
interfay Sealant

NOTE: Item (21) was retained at removal.

(3) Subtask 211139-020-001-002 - Remove the PALL Filter

Work Zones and Access Panels		
	Zone	Access/Work location
	120	

Manpower Resources	
Manhours	0.5
Minimum number of person	1
Subtask elapsed time	0.5
Skills	NON SPECIFIC

References	
Aircraft Maintenance Manual (AMM)	Task 21-26-43-000-003
Fig. A-FCBAA	<a href="#">Sheet 01 - Removal of the PALL Filter</a>

(a) Remove :

Refer to [Fig. A-FCBAA Sheet 01](#)

2	clamp	Item (9)	Retain
	or		
4	clamp	Item (9)	Retain
1	flexible sleeve	Item (13)	Retain
2	clamp	Item (10)	Retain
	or		
4	clamp	Item (10)	Retain
1	flexible sleeve	Item (14)	Retain
1	clamp	Item (11)	Retain
Disconnect the drain hose Item (15) without complete removal :			
1	drain hose	Item (15)	Retain
1	clamp	Item (12)	Retain
1	packing	Item (8)	Discard
2	bolt	Item (6)	Discard
2	nut	Item (7)	Discard
	and		
Refer to AMM Task 21-26-43-000-003.			
FIN			

## SERVICE BULLETIN

FIN 2083HM

1 housing assy QB0555 Item (3) Discard

NOTE: The housing filter Item (3) contains :

FIN 2095HM

1 syphon assy QB0553 Item (4) Discard

FIN 2082HM

1 cartridge assy QB0511 Item (2) Discard

or

FIN 2082HM

1 cartridge assy QB0639 Item (2) Discard

(4) Subtask 211139-420-001-002 - Install the New LE BOZEC Filter

Work Zones and Access Panels		
	Zone	Access/Work location
	120	

Manpower Resources	
Manhours	0.5
Minimum number of person	1
Subtask elapsed time	0.5
Skills	NON SPECIFIC

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

Component COMPA01				
ITEM	NEW PART N°	QTY (UM)	KEYWORD	SEE NOTES
6	NAS1303-3	2	Bolt	
7	NAS1726-3	2	Nut	
8	NSA8203-260	1	Packing	

Equipment BFEA02				
ITEM	NEW PART N°	QTY (UM)	KEYWORD	SEE NOTES
1	425A200-5	1	Demister	
2	4200A200-5	1	CARTRIDG	
3	402K200-1	1	Housing	
4	402U20-1	1	Tube	



References	
Fig. A-FCCAA	<a href="#">Sheet 01 - Installation of the New LE BOZEC Filter</a> <a href="#">Sheet 02 - Installation of the New LE BOZEC Filter</a>

Refer to [Fig. A-FCCAA Sheet 01](#) and [Fig. A-FCCAA Sheet 02](#)

### FIN 2083HM

1	housing assy	402K200-1	Item 3
2	bolt	NAS1303-3	Item 6
2	nut	NAS1726-3	Item 7

NOTE: The housing assy Item 3 contains :

### FIN 2081HM

1	demister filter	425A200-5	Item 1
---	-----------------	-----------	--------

### FIN 2082HM

1	cartridge assy	4200A200-5	Item 2
---	----------------	------------	--------

### FIN 2095HM

1	syphon assy	402U20-1	Item 4
---	-------------	----------	--------

NOTE: Items 16, 17 and 18 are parts of syphon assy Item 4.

and

2	clamp	Item (9)
---	-------	----------

or

4	clamp	Item (9)
---	-------	----------

1	flexible sleeve	Item (13)
---	-----------------	-----------

2	clamp	Item (10)
---	-------	-----------

or

4	clamp	Item (10)
---	-------	-----------

1	flexible sleeve	Item (14)
---	-----------------	-----------

NOTE (01): Center the sleeves Items (13) and (14) between the two red edgings.

NOTE (02): Screw access of the clamps Items (9) and (10) are defined by the fitter.

1	clamp	Item (11)
---	-------	-----------

1	drain hose	Item (15)
1	clamp	Item (12)
1	packing	NSA8203-260 Item 8

NOTE: Items (9), (10), (11), (12), (13), (14) and (15) were retained at removal.

**\*\*CONF ALL****D. TEST****\*\*CONF 001**

None

**\*\*CONF 002**

None

**\*\*CONF 003**

None

**\*\*CONF 004**

None

**\*\*CONF ALL****E. CLOSE-UP****\*\*CONF 001**

(1) Subtask 211139-942-001-001 - Close-up

Manpower Resources	
Skills	NON SPECIFIC

References	
Aircraft Maintenance Manual (AMM)	Task 21-26-43-400-002

- (a) Do the close-up procedure as specified in the removal/installation procedure of the filter assembly (Refer to AMM Task 21-26-43-400-002).

**\*\*CONF 002**

(1) Subtask 211139-942-001-002 - Close-up

Manpower Resources	
Skills	NON SPECIFIC

References	
Aircraft Maintenance Manual (AMM)	Task 21-26-43-400-003

- (a) Do the close-up procedure as specified in the removal/installation procedure of the filter assembly (Refer to AMM Task 21-26-43-400-003).

**\*\*CONF 003**

- (1) Subtask 211139-942-001-001 - Close-up

Manpower Resources	
Skills	NON SPECIFIC

References	
Aircraft Maintenance Manual (AMM)	Task 21-26-43-400-002

- (a) Do the close-up procedure as specified in the removal/installation procedure of the filter assembly (Refer to AMM Task 21-26-43-400-002).

**\*\*CONF 004**

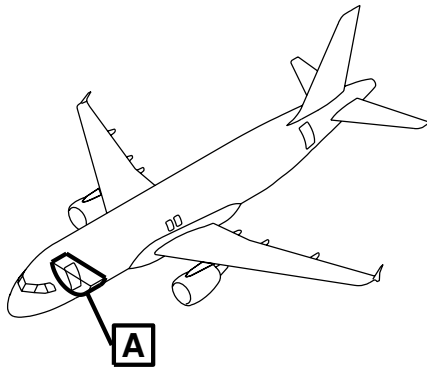
- (1) Subtask 211139-942-001-002 - Close-up

Manpower Resources	
Skills	NON SPECIFIC

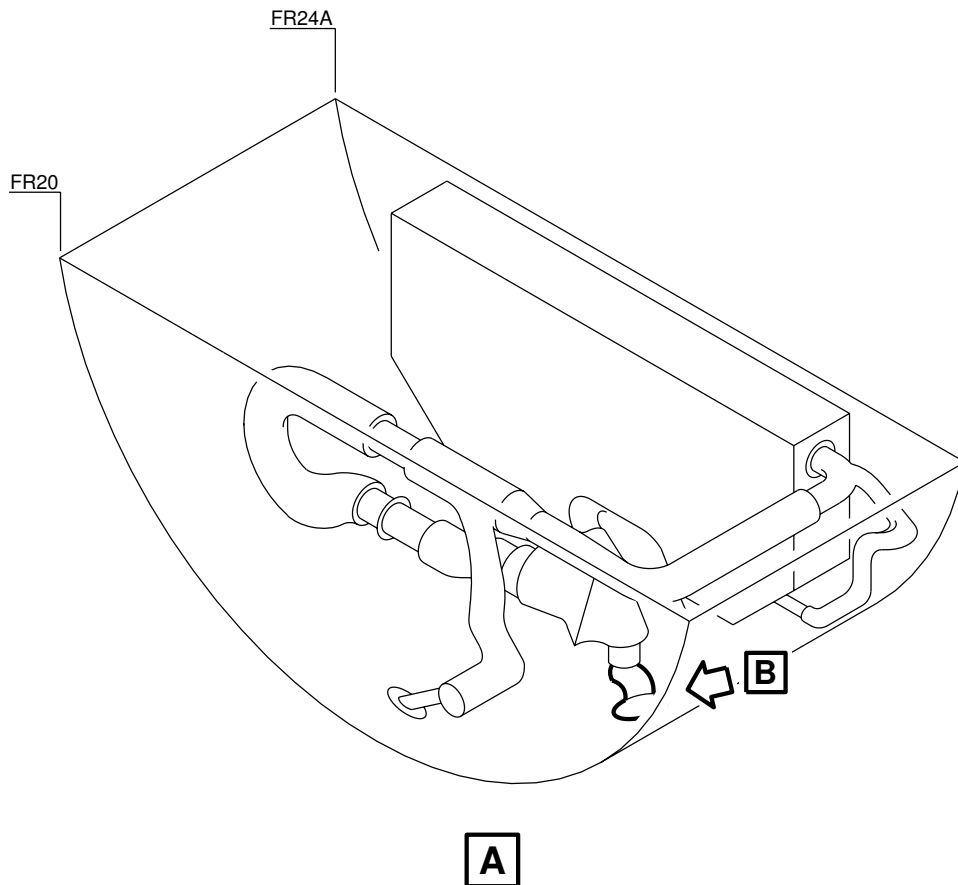
References	
Aircraft Maintenance Manual (AMM)	Task 21-26-43-400-003

- (a) Do the close-up procedure as specified in the removal/installation procedure of the filter assembly (Refer to AMM Task 21-26-43-400-003).

**\*\*CONF 003 thru 004**



**BEFORE**

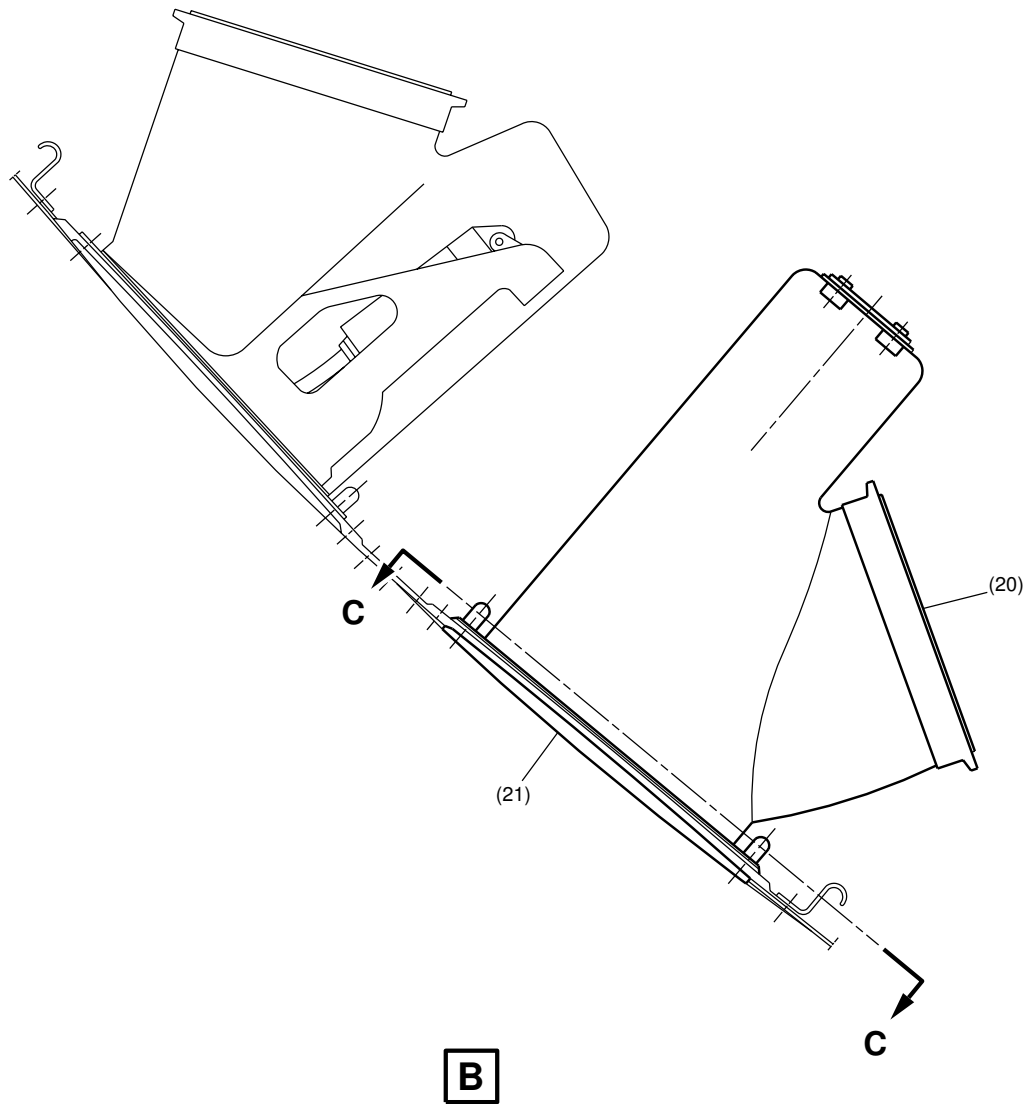


N\_SB\_211139\_5\_BAAA\_01\_00

Figure A-FBAAA - Sheet 01  
Removal of the Fairing and the Plug

**\*\*CONF 003 thru 004**

### BEFORE

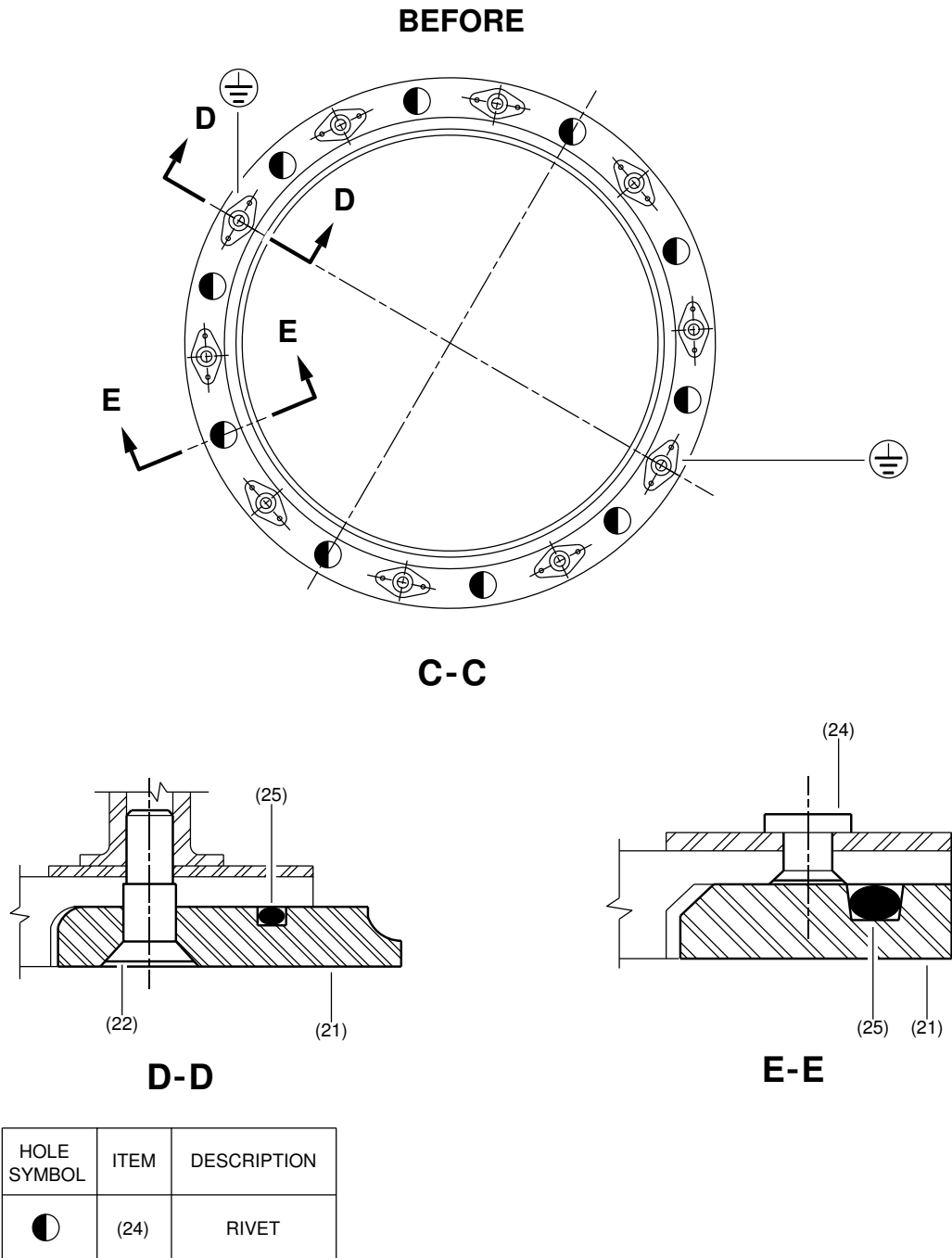


VIEW LOOKING FWD

N\_SB\_211139\_5\_BAAA\_02\_00

Figure A-FBAAA - Sheet 02  
Removal of the Fairing and the Plug

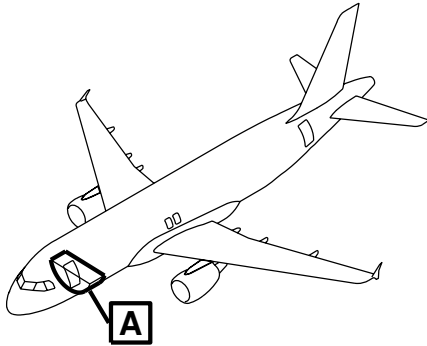
**\*\*CONF 003 thru 004**



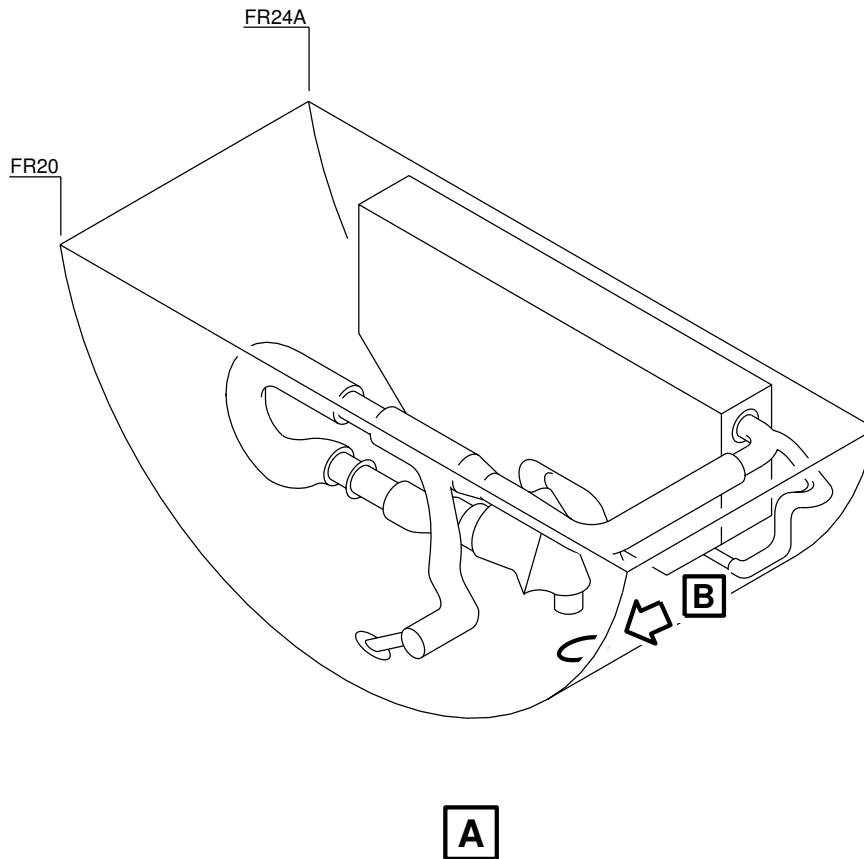
N\_SB\_211139\_5\_BAAA\_03\_00

Figure A-FBAAA - Sheet 03  
Removal of the Fairing and the Plug

**\*\*CONF 003 thru 004**



**AFTER**

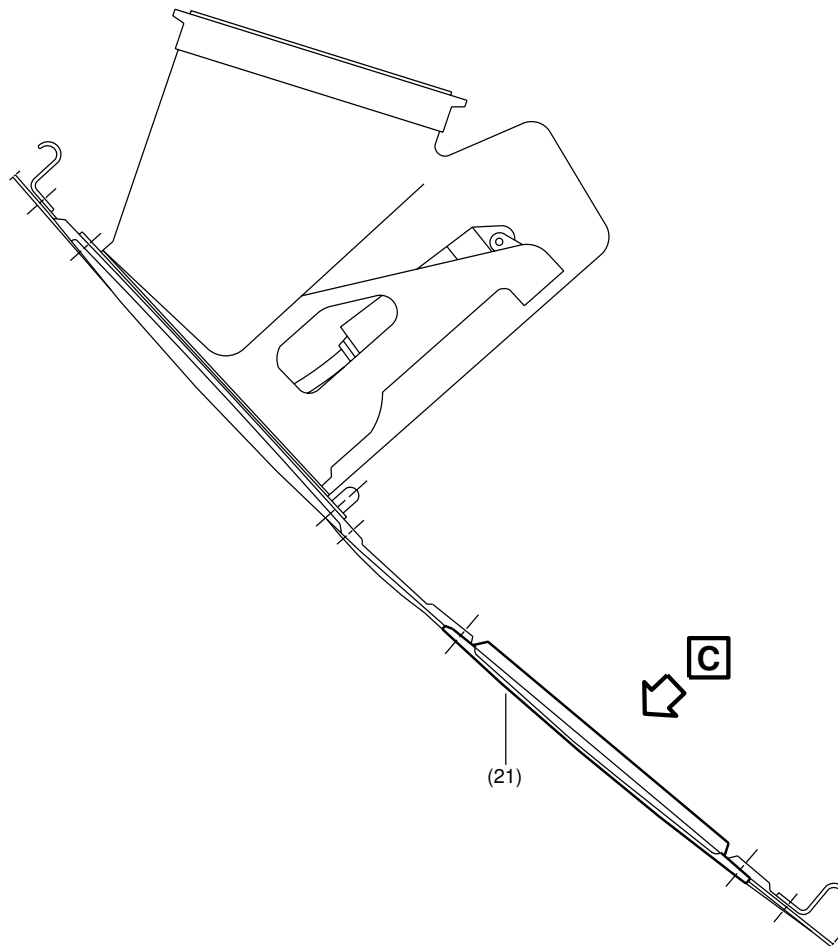


N\_SB\_211139\_5\_BBAA\_01\_00

Figure A-FBBAA - Sheet 01  
Installation of the Plug

**\*\*CONF 003 thru 004**

**AFTER**



**B**

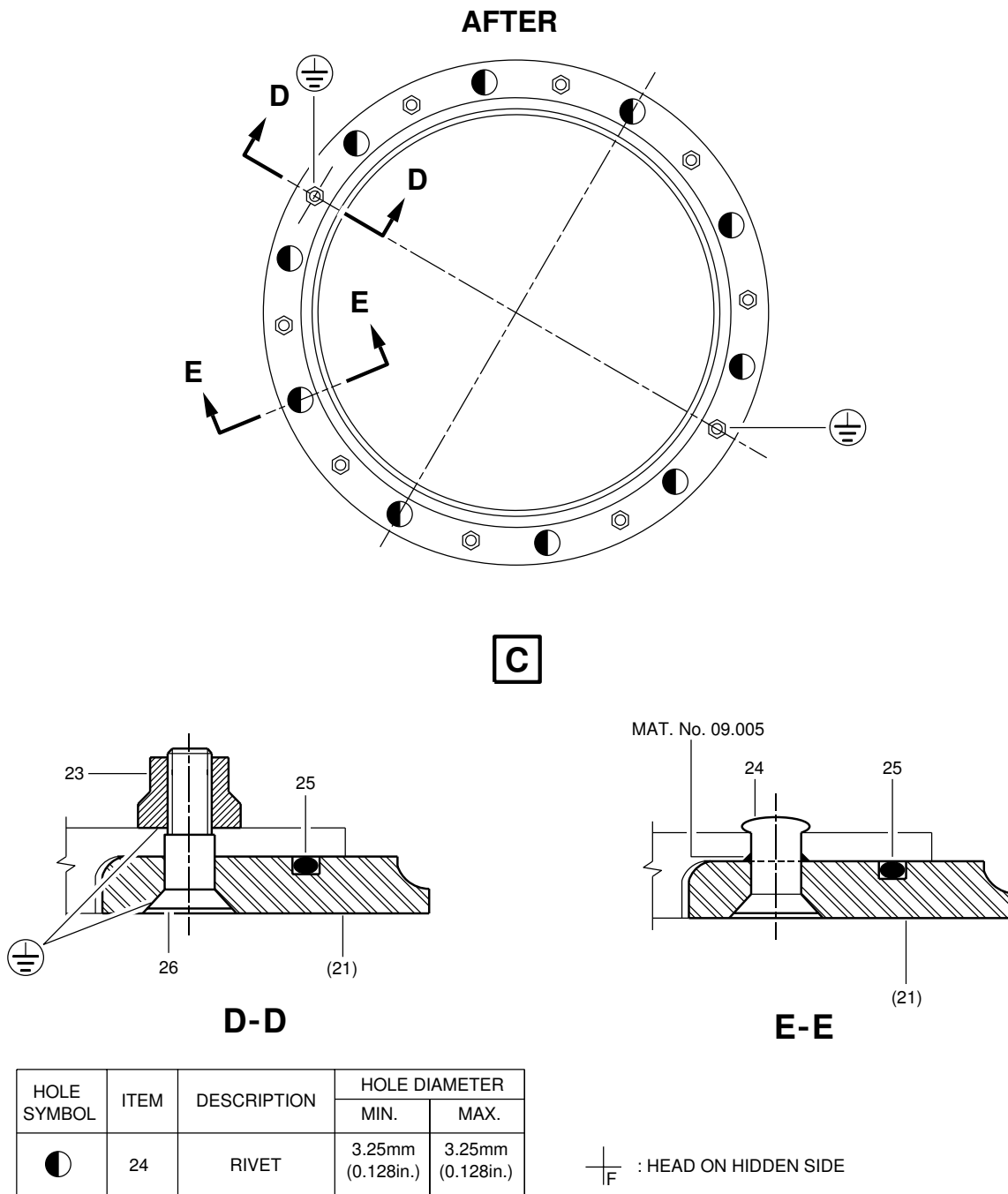
VIEW LOOKING FWD

N\_SB\_211139\_5\_BBAA\_02\_00

Figure A-FBBAA - Sheet 02  
Installation of the Plug



**\*\*CONF 003 thru 004**



NOTE : APPLY MAT. No. 09.005 TO THE INTERFACE OF THE PLUG AND THE STRUCTURE

N\_SB\_211139\_5\_BBAA\_03\_00

Figure A-FBBAA - Sheet 03  
Installation of the Plug

**\*\*CONF 001, 003**

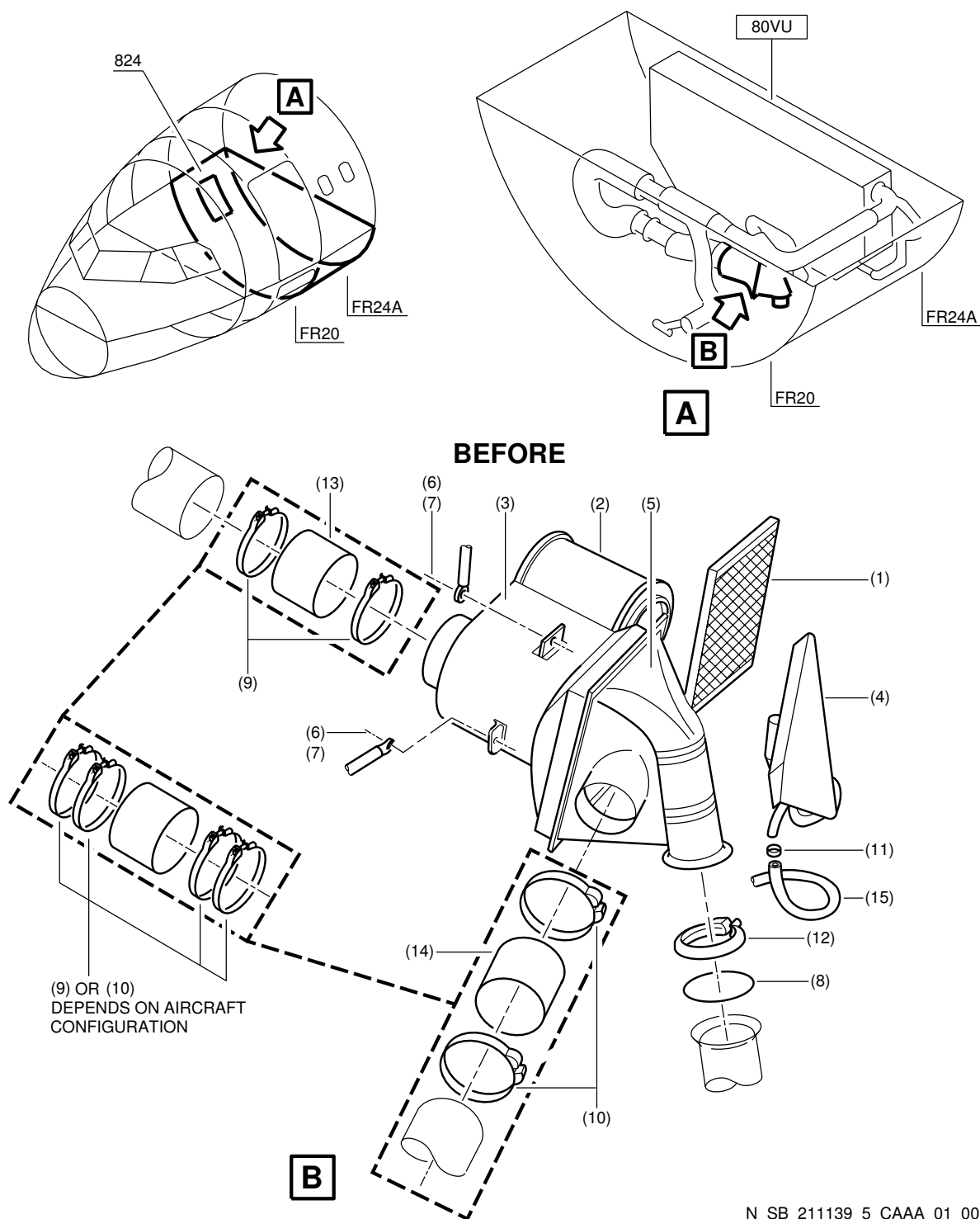
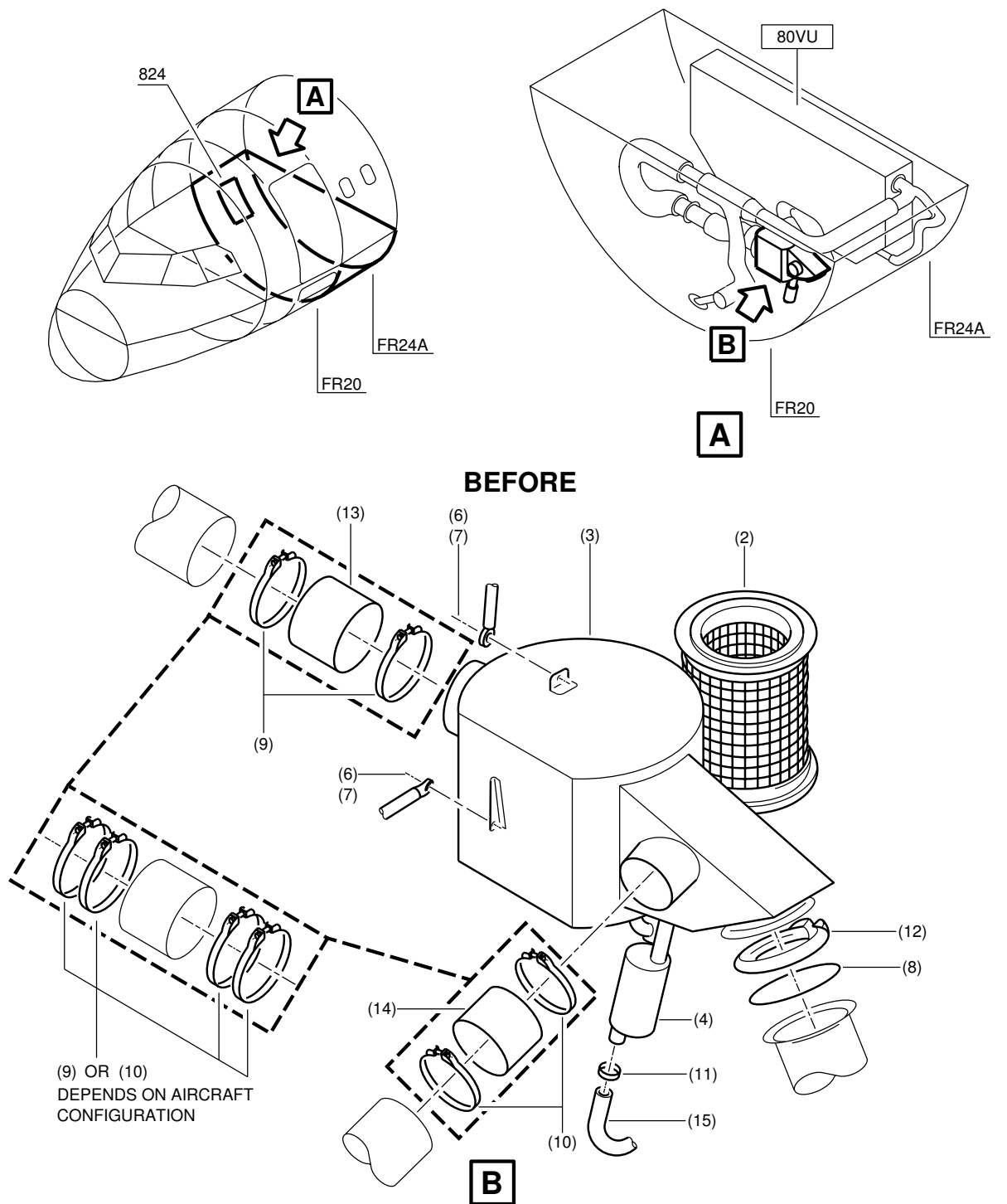


Figure A-FCAAA - Sheet 01  
Removal of the LE BOZEC Filter

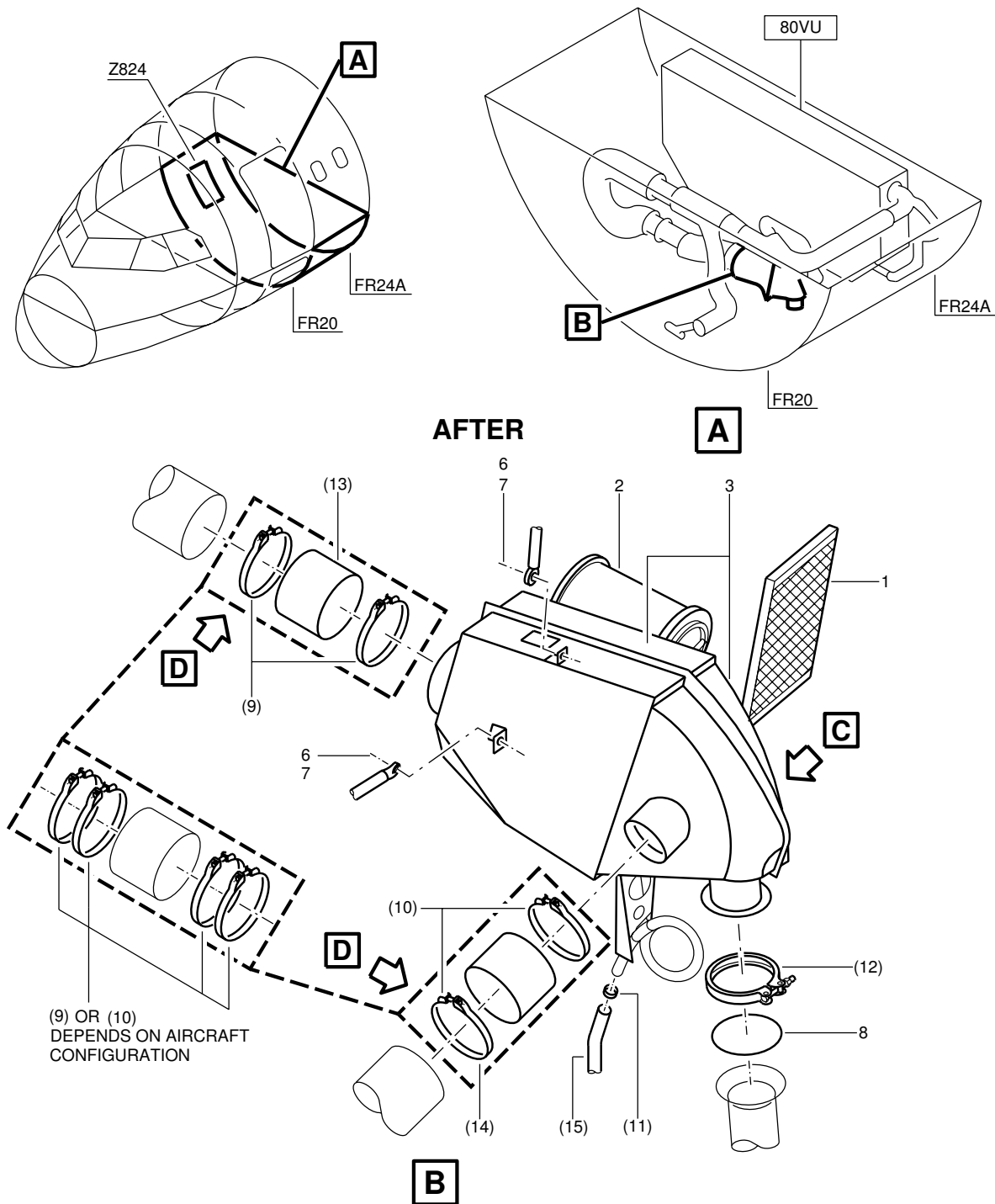
**\*\*CONF 002, 004**



N\_SB\_211139\_5\_CBAA\_01\_00

Figure A-FCBAA - Sheet 01  
Removal of the PALL Filter

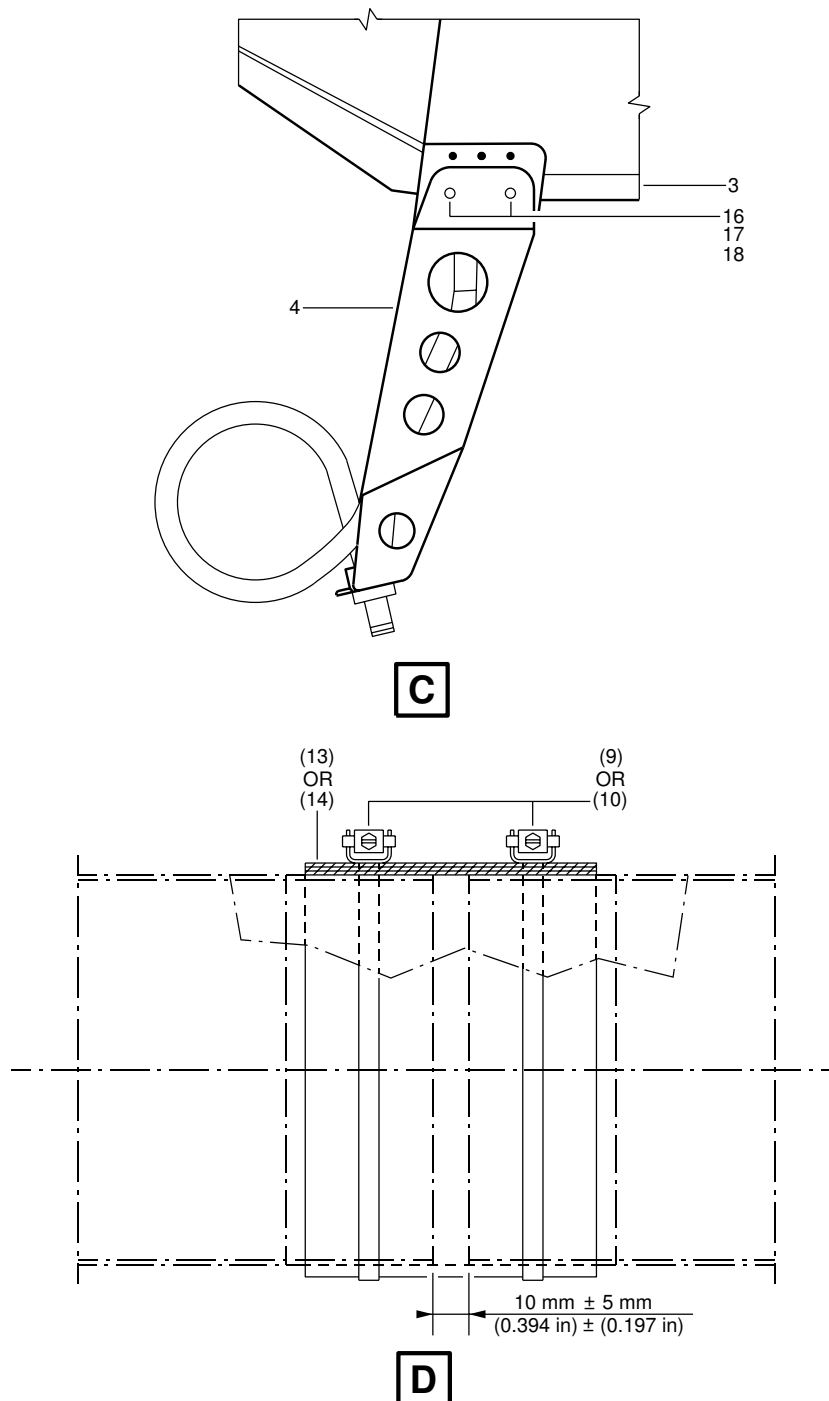
**\*\*CONF ALL**



N\_SB\_211139\_5\_CCAA\_01\_00

Figure A-FCCAA - Sheet 01  
Installation of the New LE BOZEC Filter

**\*\*CONF ALL**



N\_SB\_211139\_5\_CCAA\_02\_00

Figure A-FCCAA - Sheet 02  
Installation of the New LE BOZEC Filter

SERVICE BULLETIN  
REPORTING SHEET**TITLE: AIR CONDITIONING - INSTALL A MORE COMPACT LE BOZEC FILTER  
P/N 34800A200-5.**

MODIFICATION No.: 32877P7937

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.

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- 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			

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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:

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