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

ATA SYSTEM: 21

TITLE: AIR CONDITIONING - AVIONICS EQUIPMENT VENTILATION - INSTALL PALL FILTER INSTEAD

OF LE BOZEC.

MODIFICATION No.: 24146P3462, 26739P5104, 27038P5162, 34885P8785

This page transmits Revision No. 44 of Service Bulletin No. A320-21-1087

ADDITIONAL WORK

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

REASON

Revision No. 44 issued to add aircraft MSN 3032 for operator TAM.

CHANGES

SUMMARY:

- EFFECTIVITY
 - Operators updated.

PLANNING INFORMATION:

- EFFECTIVITY
 - 1.A. Effectivity updated.

FILING INSTRUCTIONS

This Service Bulletin has been generated electronically and is reissued as a complete document. Replace the complete document.

Put this Revision Transmittal Sheet in front of the Service Bulletin.

HISTORY OF PREVIOUS REVISIONS

This is only applicable for Revision No. 10 and subsequent. If information is required for Revisions issued previous to this, please check your copies of the Revision Transmittal Sheets or contact AIRBUS.

Revision No. 10 issued to inform the operators of an effectivity update.

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SERVICE BULLETIN

SERVICE BULLETIN REVISION TRANSMITTAL SHEET

Revision No. 11 issued to inform the operators of an effectivity update.

Revision No. 12 issued to inform the operators of an effectivity update.

Revision No. 13 issued to modify the effectivity.

Revision No. 14 issued to add aircraft MSN 0338 for operator F3T.

Revision No. 15 issued to add aircraft MSN 0189, 0190 and 0343 for operator VLE.

Revision No. 16 issued to add aircraft MSN 0677, 0781, 0852, 1006 and 1017 for operator AMM.

Revision No. 17 issued to add modifications No. 27038P5162 and No. 26739P5104 and aircraft MSN 0420 and 0436 for operator VLE, aircraft MSN 0429 for operator AIH, aircraft MSN 0476 for operator TLA, and operator VIR, aircraft MSN 0449, 0764, 0978, 1130, 1219 and 1233.

Revision No. 18 issued to add aircraft MSN 0771 and 0855 for operator AAR, aircraft MSN 0640, 0663, 0668 and 0676 for operator MEA.

Revision No. 19 issued to add Operator BMA, aircraft MSN 0806, 0810, 0835, 0864, 0934, 0968, 0974, 1014, 1045, 1153, 1174, 1177, 1183, 1207 and aircraft MSN 0680, 0687, 0715, 0725 for operator MSR.

Revision No. 20 issued to add aircraft MSN 0322, 0326 and 0478 for operator SHK and to delete aircraft MSN 0481 for operator GFA.

Revision No. 21 issued to add aircraft MSN 0308, 0314, 0879 and 0888 for operator IWD.

Revision No. 22 issued to add operator AEL, aircraft MSN 0132, aircraft MSN 0354, 0357, 0411, 0714, 0716, 0730 and 0735 for operator JMC, aircraft MSN 0252, 0259, 0260, 0261, 0275, 0276, 0280, 0296, 0320, 0321, 0353, 0368, 0373 and 0467 for operator MXA.

Revision No. 23 issued to add aircraft MSN 0758 for operator TAM.

Revision No. 24 issued to add aircraft MSN 0772, 0799, 0828, 0883, 0914 and 0925 for operator C3J, aircraft MSN 1005, 1072, 1093 and 1108 for operator CES and aircraft MSN 1795 for operator G4I.

Revision No. 25 issued to add aircraft MSN 0983, 1015, 1202, 1707 and 1763 for operator MON.

Revision No. 26 issued to add aircraft for operator AFR.

Revision No. 27 issued to add aircraft MSN 1656 for operator QTR.

Revision No. 28 issued to add aircraft MSN 0927 and 1335 for operator QAF.

Revision No. 29 issued to add aircraft MSN 2165 and 2175 for operator AZI.

Revision No. 30 issued to add aircraft MSN 1238 and 1250 for operator MYT.

Revision No. 31 issued to add aircraft MSN 1938 for operator AFR.

Revision No. 32 issued to add aircraft MSN 0496, 0671, 1411 and 1780 for operator SSV.

Revision No. 33 issued to add aircraft MSN 2372 and 2393 for operator TAM.

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Revision No. 34 issued to add aircraft MSN 2417 for operator TAM.

Revision No. 35 issued to add aircraft MSN 2108 and 2128 for operator ARF.

Revision No. 36 issued to add aircraft MSN 2602 for operator TAM.

Revision No. 37 issued to add aircraft MSN 2445 for operator TAM.

Revision No. 38 issued to add aircraft MSN 0604 and 0614 for operator OHY, aircraft MSN 1717 and 1775 for operator LTE.

Revision No. 39 issued to update effectivity.

Revision No. 40 issued to add aircraft MSN 1589 for operator LMJ.

Revision No. 41 issued to add aircraft MSN 1121, 1175 and 1744 for operator LBT.

Revision No. 42 issued to add aircraft for operators AWE and DKH.

Revision No. 43 issued to add aircraft MSN 0814 for operator MYW.

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SA319/A320/A321

SERVICE BULLETIN REVISION TRANSMITTAL SHEET

REVISION SEQUENCE

ORIGINAL : Mar 17/95

REVISION No.: 01 - Apr 25/95 **REVISION No.: 02 - Jul 04/95 REVISION No.: 03 - Jul 24/95** REVISION No.: 04 - Sep 22/95 **REVISION No.: 05 - Nov 02/95 REVISION No. : 06 - Feb 21/96** REVISION No.: 07 - Apr 04/96 REVISION No. : 08 - Jul 01/96 **REVISION No. : 09 - Jul 24/96** REVISION No.: 10 - Sep 27/96 **REVISION No.: 11 - Nov 07/96** REVISION No.: 12 - Apr 21/97 **REVISION No.: 13 - Aug 29/97 REVISION No. : 14 - Jul 09/99** REVISION No.: 15 - Sep 15/99 REVISION No.: 16 - Feb 15/00 **REVISION No.: 17 - May 24/00 REVISION No. : 18 - Aug 08/00** REVISION No.: 19 - Sep 21/00 REVISION No.: 20 - Dec 21/00 REVISION No.: 21 - May 15/01 **REVISION No. : 22 - Jun 14/01 REVISION No. : 23 - Dec 12/01** REVISION No.: 24 - Sep 02/02 REVISION No.: 25 - Jan 14/03 **REVISION No.: 26 - Feb 10/03** REVISION No.: 27 - Mar 07/03 **REVISION No. : 28 - Nov 10/03 REVISION No. : 29 - Dec 03/03 REVISION No. : 30 - Jun 09/04** REVISION No.: 31 - Aug 12/04 **REVISION No. : 32 - Dec 13/04** REVISION No.: 33 - Feb 15/05 **REVISION No. : 34 - Apr 26/05 REVISION No. : 35 - May 12/05** REVISION No.: 36 - Oct 17/05 **REVISION No.: 37 - Jun 07/06 REVISION No. : 38 - Jul 20/06** REVISION No.: 39 - Sep 12/06 REVISION No.: 40 - Jan 02/07 **REVISION No. : 41 - Mar 21/07** REVISION No.: 42 - Apr 26/07 REVISION No.: 43 - Aug 06/07

REVISION No.: 44 - Dec 06/07

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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 - AVIONICS EQUIPMENT VENTILATION - INSTALL PALL FILTER INSTEAD OF LE BOZEC.

OF LE BOZEC.

MODIFICATION No.: 24146P3462, 26739P5104, 27038P5162, 34885P8785

REASON/DESCRIPTION/OPERATIONAL CONSEQUENCES

Further to a specific operator's request, an alternate supplier for the LE BOZEC filter located in the ventilation system of the avionics compartment has been investigated.

This Service Bulletin replaces the LE BOZEC filter by a mechanically interchangeable PALL filter.

Accomplishment of this Service Bulletin will improve filtration rating from 400 to 5 microns.

Accomplishment of this Service Bulletin will cancel the requirements of Service Bulletin No. A320-21-1110 (Mod. No. 26739P5104).

Accomplishment of this Service Bulletin will satisfy the operator's request.

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

DATE: Mar 17/95 SERVICE BULLETIN No.: A320-21-1087

MODIFICATION CLASSIFICATION		
MAJOR None		
MINOR 24146P3462 26739P5104 27038P5162 34885P8785		

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.

EFFECTIVITY

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

39Z 47W 83Y AAF ABQ ACA ADR AFR AHY AJM ALK AMU ANA AWE AZA BAW BGH BIE BLM BMA BST BTV CES CLI CQH CSC CTN DKH DLH ETD FCA FHY G4I GFA GWI GWY HEJ IAC IBE INX IRM IWD JAV JCS JET JKK KKK KZR LBT LTC LTE MDL MLD MNJ MON MPD MSR MXA MYT MYW NWA OHY QAF QTR RJA RNV SSV SVR SWR TAM TAR TCW TCX THY TNA UAL UDC VIM VLE VLK VUN XLF

NOTE: This Service Bulletin is written for the operators listed above. The modification in this Service

Bulletin can be done by other operators. If other operators want to do this modification, use the

RFC/RMO procedure and write to:

AIRBUS

CUSTOMER SERVICES DIRECTORATE

SC Department

1 Rond Point Maurice Bellonte 31707 BLAGNAC CEDEX

FRANCE

CONCURRENT REQUIREMENTS

None

REFERENCES/REPERCUSSIONS

TFU : 21.26.43.006

OEB : None

AOT : None

SIL : 004-00

LIFE LIMIT : None

LINE MAINTENANCE AFFECTED: No

OTHERS : None

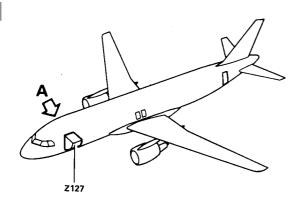
DATE : Mar 17/95 SERVICE BULLETIN No. : A320-21-1087

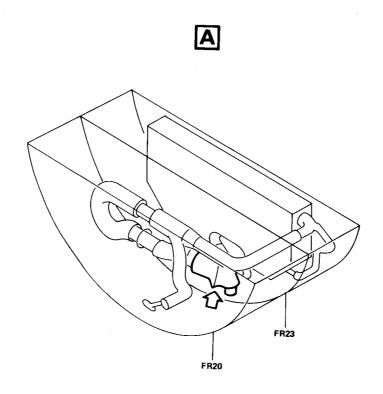
SERVICE BULLETIN SUMMARY

NATURE OF THE WORK

AIRCRAFT : NO	
EQUIPMENT : YES	
HARD : NO	
SOFT : NO	
OBRM : NO	
MANPOWER	
Config. 01 thru Config. 04 and Config. 06	
TOTAL MANHOURS	2.0
ELAPSED TIME (HOURS)	2.0
Config. 05	
TOTAL MANHOURS	1.5
ELAPSED TIME (HOURS)	1.5
MATERIAL INFORMATION	
AIRCRAFT DATA	
None	
<u>APPENDICES</u>	
None	

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REVISION No.: 44 - Dec 06/07

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1. PLANNING INFORMATION

A. **EFFECTIVITY**

(1) Models

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

- (2) Aircraft
 - (a) Effectivity by MSN

This Service Bulletin is applicable to Aircraft MSN:

0002-0008 0010 0012-0014 0016-0021 0029 0031 0033 0034 0036 0039-0044 0052-0055 0059 0061-0073 0076-0078 0081-0084 0086 0091 0093 0094 0098-0104 0108-0179 0183 0184 0186-0190 0192-0194 0196-0233 0235-0237 0239-0246 0248-0255 0258-0270 0272-0294 0296-0303 0305-0314 0317-0363 0365-0373 0375 0377-0384 0387-0394 0399-0404 0408-0415 0417-0422 0425-0427 0429 0430 0434-0450 0452-0454 0456-0459 0462-0468 0470 0472-0479 0482-0485 0487-0489 0491 0493-0498 0500-0512 0517-0524 0526-0531 0534 0537 0538 0543 0544 0549 0550 0554 0555 0557 0560 0563-0565 0567 0575 0579 0580 0584 0598 0600 0604 0606 0608 0614 0615 0618 0622 0625 0637 0640 0644 0647 0658 0660 0663 0665 0668 0669 0671 0676 0677 0680 0685 0687 0714-0716 0725 0730 0735 0758 0761 0762 0764 0770-0772 0777 0781 0796 0799 0803 0806 0810 0814 0828 0835 0852 0855 0856 0864 0866 0879 0883 0888 0889 0914 0924 0925 0927 0931 0934 0938 0953 0956 0968 0974 0978 0983 0985 0998 1000 1003 1005 1006 1014 1015 1017 1020 1025 1036 1043 1045 1049 1050 1056 1064 1072 1075 1079 1083

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1088 1093 1108 1110 1111 1116 1121 1130 1133 1151 1153 1166 1169 1174-1178 1183 1190 1196 1201 1202 1207 1216 1219 1223 1233 1234 1238 1250 1267 1271 1274 1281 1284 1299 1323 1335 1344 1350 1373 1375 1395 1397 1404 1406 1410 1411 1415 1419 1444 1449 1463 1471 1476 1490 1502 1505 1524 1527 1534 1547 1552 1563 1565 1576 1589 1616 1621 1622 1640 1643-1645 1656 1658 1677 1691 1699 1707 1710 1717 1733 1744 1763 1764 1775 1780 1792 1795 1844 1859 1873 1879 1885 1894 1900 1924 1935 1938 1949 2108 2128 2165 2175 2193 2302 2312 2359 2372 2393 2405 2417 2422 2430 2445 2458 2482 2570 2595 2602 2613 2615 2630 2669 2690 2879 2913 2975 3027 3032

(b) Effectivity by Operator

I

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
39Z	0956
47W	0764
83Y	1589 2165
AAF	0244 0888 1006
ABQ	0394 0443
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 0302 0309 0324 0330 0341 0378 0403 0404
ADR	0043 0113 0114
AFR	0002 0003 0004 0005 0007 0010 0012 0013 0014 0016 0019 0020 0021 0033 0036 0044 0061 0062 0063 0100 0101 0102 0108 0115 0128 0129 0130 0131 0133 0144 0145 0155 0156 0184 0186 0187 0188 0203 0214 0220 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 0644 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
AHY	0331
AJM	0422
ALK	0164 0169
AMU	0557

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OPERATOR MSN

ANA 0138 0139 0148 0151 0167 0170 0196 0212 0219 0245 0300

0328 0365 0383 0413 0482 0501 0507 0531 0534 0549 0554

0658 0669 0685

AWE 0052 0053 0054 0055 0064 0065 0066 0067 0076 0077 0081 0082

0091 0098 0099 0317 0448 0527 0543 0565 0584 0762 0770 0803 0856 0866 0889 0924 0931 0953 1003 1043 1049 1050 1056 1064 1075 1079 1083 1088 1110 1111 1116 1166 1178 1196 1223 1234 1274 1281 1284 1323 1350 1373 1375 1395 1397 1406 1410 1419 1463 1490 1527 1534 1547 1552 1563 1565 1576 1621 1643 1644 1710 1764 1792 1844 1935 2193 2302 2312 2359 2405 2422 2430

2458 2482 2570 2595 2613 2615 2630 2669 2690

AZA 0434 0477 0488 0494 0495 0524 0526

BAW 0006 0008 0017 0018 0039 0042 0103 0109 0120

BGH 0221 0294 0305 0349

BIE 0293 0517 0519

BLM 0575

BMA 0835 0934 1014 1174 1177

BST 0604 0614

BTV 0441 0449

CES 0665 0772 0799 0828 0883 0914 0925 1005 1072 1093 1108

CLI 0134 0136 0143 0146 0177 0199 0240 0241 0264 0303 0312

CQH 0879 0978

CSC 0550

CTN 0258 0671

DKH 2879 2913 2975 3027

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

ETD 0350

FCA 0781 0852

FHY 0132 0283 0288 0771 0855

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OPERATOR MSN

G4I 1795

GFA 0289 0325 0375 0409 0419 0459 0466 0497 0537

GWI 0579

GWY 0427 2175

HEJ 0142

IAC 0168 0179 0225 0308 0314 0326 0327 0336 0344 0354 0362

0411 0478

IBE 0158 0173 0176 0207 0223 0224 0266 0274 0323 0356

INX 0968 0974

IRM 0530 1202

IWD 1130

JAV 0029

JCS 0211

JET 0163 0204 0215 0371 0393 0414 0421 0647 0660

JKK 1183

KKK 0640 0676

KZR 2128

LBT 0112 0222 0246 0299 0301 0348 0400 1121 1175 1744

LTC 0310 0333 0359 0384

LTE 0438 0445 0496 0580

MDL 0279 0391

MLD 0249 0622

MNJ 0615

MON 0379 0389 0392 0446 0864 0983 1015 1045 1153 1207 1707 1763

MPD 0342 0426

MSR 0165 0166 0178 0194 0198 0322 0351 0366 0680 0687 0715 0725

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OPERATOR MSN

MXA 0252 0259 0260 0261 0275 0276 0280 0291 0292 0296 0320 0321

0332 0347 0353 0357 0361 0368 0369 0373 0415 0430 0447 0467

MYT 0193 0429 0437 0476 0677 0716 1238 1250 1411

MYW 0338 0363 0444 0814

NWA 0031 0034 0040 0041 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

OHY 0313 0345 0663 0668

QAF 0927 1335

QTR 1656

RJA 0761

RNV 0229

SSV 1780

SVR 0140 0157

SWR 0520 0522

TAM 0243 0250 0251 0334 0335 0440 0453 0758 1717 1775 2372

2393 2417 2445 2602 3032

TAR 0119 0123 0124 0205 0370 0390 0402 0511

TCW 0343 0420 0425 0436

TCX 0714 0730 0735

THY 0806 0810 1219 1233

TNA 0538 0555 0606

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

UDC 0230

VIM 2108

VLE 0189 0190

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OPERATOR MSN VLK 0528 VUN 1017

XLF 0311

(c) Effectivity by MSN and Kit/Configuration

The Kits and configurations applicable to these MSNs are given at the end of this list

0002 0005-0008 0014 0017-0021 0029 0031 0034 0039-0043 0059 0061-0063 0068-0073 0078 0083-0084 0086 0093-0094 0100-0104 0109-0114 0116-0129 0133-0143 0146-0154 0157-0179 0183 0186-0190 0192-0194 0196-0202 0205-0210 0212-0213 0216-0219 0221-0233 0240-0243 0245-0246 0248-0251 0253-0255 0258 0262-0269 0272-0274 0277 0279 0281-0294 0297-0303 0305-0307 0309-0313 0318-0319 0323-0325 0327-0336 0338-0351 0355-0356 0358-0363 0365-0367 0369-0372 0375 0378-0384 0387-0394 0399-0404 0408-0410 0412-0415 0417-0422 0425-0427 0430 0434-0447 0450 0452-0454 0456-0459 0462-0466 0468 0470 0472-0475 0477 0479 0482-0485 0487-0489 0493-0495 0497 0500-0508 0510-0512 0517-0520 0522-0524 0526-0528 0530-0531 0534 0537-0538 0549-0550 0554-0555 0557 0560 0563-0565 0567 0575 0579-0580 0604 0606 0614-0615 0622 0658 0665 0669 0677 0685

KIT No.	QTY PER A/C	CONFIGURATION
None		01

The Kits and configurations applicable to these MSNs are given at the end of this list

0781 0806 0810 0835 0852 0864 0934 0968 0974 1006 1014 1017 1045 1153 1174 1177 1183 1207 1717 1775

KIT No.	QTY PER A/C	CONFIGURATION
None		02

The Kits and configurations applicable to these MSNs are given at the end of this list

0003-0004 0010 0012-0013 0016 0033 0036 0044 0052-0055 0064-0067 0076-0077 0081-0082 0091 0098-0099 0108 0115 0130-0132 0144-0145 0155-0156 0184 0203-0204 0211 0214-0215 0220 0235-0237 0239 0244 0252 0259-0261 0270 0275-0276 0278 0280 0296 0308 0314 0317 0320-0322 0326 0337 0352-0354 0357 0368 0373 0377 0411 0429 0448-0449 0467 0476 0478 0491 0496 0498 0509 0521 0529 0543-0544 0584 0598 0600 0608 0618 0625 0637 0640 0644 0647 0660 0663 0668 0676 0680 0687 0714-0716 0725 0730 0735 0758 0761-0762 0764

KIT No.	QTY PER A/C	CONFIGURATION		
None		03		

The Kits and configurations applicable to these MSNs are given at the end of this list

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0770-0772 0777 0796 0799 0803 0814 0828 0855-0856 0866 0879 0883 0888-0889 0914 0924-0925 0927 0931 0938 0953 0956 0978 0983 0985 0998 1000 1003 1005 1015 1020 1025 1036 1043 1049-1050 1056 1064 1072 1075 1079 1083 1088 1093 1108 1110-1111 1116 1121 1130 1133 1151 1166 1169 1175-1176 1178 1190 1196 1201-1202 1216 1219 1223 1233-1234 1238 1250 1267 1271 1274 1281 1284 1299 1323 1335 1344 1350 1373 1375 1395 1397 1404 1406 1410-1411 1415 1419 1444 1449 1463 1471 1476 1490 1502 1505 1524 1527 1534 1547 1552 1563 1565 1576 1589 1616 1621-1622 1640 1643-1645 1656 1658 1677 1691 1699 1707 1710 1733 1744 1763-1764 1780 1792 1795 1844 1859 1873 1879 1885 1894 1900 1924 1935 1938 1949 2108 2128 2165 2175 2372 2393

KIT No. QTY PER A/C CONFIGURATION

None 04

The Kits and configurations applicable to these MSNs are given at the end of this list

0671

KIT No. QTY PER A/C CONFIGURATION

None 05

The Kits and configurations applicable to these MSNs are given at the end of this list

2193 2302 2312 2359 2405 2417 2422 2430 2445 2458 2482 2570 2595 2602 2613 2615 2630 2669 2690 2879 2913 2975 3027 3032

KIT No. QTY PER A/C CONFIGURATION

None 06

NOTE: Config. 01 concerns embodiment of Mod. No. 24146P3462 and Mod.

No. 26739P5104, for aircraft fitted with clamps PN NSA5528-180

and PN NSA5528-145.

NOTE: Config. 02 concerns embodiment of Mod. No. 24146P3462 and Mod.

No. 26739P5104, for aircraft fitted with clamps PN ABS0901-180

and PN ABS0901-145.

NOTE: Config. 03 concerns embodiment of Mod. No. 24146P3462 and Mod.

No. 27038P5162, for aircraft fitted with clamps PN NSA5528-180

and PN NSA5528-145.

NOTE: Config. 04 concerns embodiment of Mod. No. 24146P3462 and Mod.

No. 27038P5162, for aircraft fitted with clamps PN ABS0901-180

and PN ABS0901-145.

NOTE: Config. 05 concerns embodiment of Mod. No. 27038P5162.

NOTE: Config. 06 concerns embodiment of Mod. No. 34885P8785, Mod. No.

24146P3462 and Mod. No. 27038P5162, for aircraft fitted with clamps

PN ABS0901-180 and PN ABS0901-145.

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(3) Spares

Config. 01 thru Config. 04

Filter Housing 57514-02
Filter Housing 57514-31
Filter Cartridge 420A200-2
Filter Cartridge 4200A200-4
De-Mister Filter 4250A200-3
Tube Assembly SF0090

Blowing Duct D2121019200000
Blowing Duct D2121019200200

Config. 05

Filter Cartridge QB0511

Config. 06

Filter Housing 402K200-1
Filter Cartridge 4200A200-5
De-Mister Filter 425A200-5
Tube Assembly 402U20-1

B. CONCURRENT REQUIREMENTS

None

C. REASON

(1) History

Further to a specific operator's request, an alternate supplier for the LE BOZEC filter located in the ventilation system of the avionics compartment has been investigated.

(2) Objective/Action

This Service Bulletin replaces the LE BOZEC filter by a mechanically interchangeable PALL filter.

(3) Advantages

Accomplishment of this Service Bulletin will improve filtration rating from 400 to 5 microns.

Accomplishment of this Service Bulletin will cancel the requirements of Service Bulletin No. A320-21-1110 (Mod. No. 26739P5104).

Accomplishment of this Service Bulletin will satisfy the operator's request.

(4) Operational/Maintenance Consequences

The operational/maintenance consequences of this Service Bulletin are covered by the update of the affected publications detailed in PLANNING INFORMATION paragraph K.

Also, the maintenance consequence of this Service Bulletin is the reduction of consumable items from 2 to 1.

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D. DESCRIPTION

To accomplish this Service Bulletin it is necessary to :

- (1) Config. 01
 - (a) Remove the LE BOZEC filter
 - (b) Install the PALL filter
- (2) Config. 02
 - (a) Remove the LE BOZEC filter
 - (b) Install the PALL filter
- (3) Config. 03
 - (a) Remove the LE BOZEC filter
 - (b) Install the PALL filter
- (4) Config. 04
 - (a) Remove the LE BOZEC filter
 - (b) Install the PALL filter
- (5) Config. 05
 - (a) Replace the filter cartridge
- (6) Config. 06
 - (a) Remove the LE BOZEC filter
 - (b) Install the PALL filter

E. <u>COMPLIANCE</u>

(1) Classification

Optional

(2) Accomplishment Timescale

In accordance with operators' maintenance schedule.

F. <u>APPROVAL</u>

Approved under EASA Design Organisation Approval No. EASA 21J.031.

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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.

Config. 01 thru Config. 04 and Config. 06

	Get access	0.5
	Remove the LE BOZEC filter	0.5
	Install the PALL filter	0.5
	Close-up	0.5
	TOTAL MANHOURS	2.0
	ELAPSED TIME (HOURS)	2.0
Confi	g. 05	
	Get access	0.5
	Replace the filter cartridge	0.5
	Close-up	0.5
	TOTAL MANHOURS	1.5
	ELAPSED TIME (HOURS)	1.5

H. WEIGHT AND BALANCE

Config. 01 thru Config. 04

Manufacturers Empty Weight: +0.550 kg (+1.2125 lb)

Effect on Balance : +4.664 kgm (+33.734 lb.ft)

Config. 05

Not changed

Config. 06

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Manufacturers Empty Weight: +1.869 kg (+4.1203 lb)

Effect on Balance : +15.909 kgm (+115.069 lb.ft)

I. ELECTRICAL LOAD DATA

Not changed

J. REFERENCES

Aircraft Maintenance Manual (AMM) : 12-34-24 20-28-00 21-26-43

Consumable Material List (CML)

Component Maintenance Manual (CMM) : 21-26-02

Elec. Std. Practices Manual (ESPM) : 20-55-00

Service Information Letter (SIL) : 004-00

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K. PUBLICATIONS AFFECTED

Illustrated Parts Catalog (IPC) : 11-33-21 21-26-01 21-26-11 21-26-12

21-26-43 21-26-51 21-26-54

Aircraft Maintenance Manual (AMM) : 21-26-00 21-26-42 21-26-43

Maintenance Planning Document (MPD) : 212600-06 212600-11 212600-12

212643-01 212643-02 212643-05 212643-06 212643-07 212643-09 212643-10 212643-11 212643-12

Trouble Shooting Manual (TSM) : 21-26-00 21-27-00

L. INTERCHANGEABILITY/MIXABILITY

Config. 01 thru Config. 02

DESCRIPTION	OLD PART No.	NEW PART No.	INT	MIXABILITY	
Filter Cartridge	420A200-2 4200A200-4	QB0511	03	Not applicable	
Tube Assembly	SF0090	QB0553	03	Not applicable	
Filter Housing	57514-02 57514-31	QB0555	03	Not applicable	

NOTE: For definitions of interchangeability codes in column INT. refer to ATA Common

Support Data Dictionary (CSDD), chapter 2.

Config. 03 thru Config. 04

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DESCRIPTION	OLD PART No.	NEW PART No.	INT	MIXABILITY
Filter Cartridge	420A200-2 4200A200-4	QB0639	03	Not applicable
Tube Assembly	SF0090	QB0553	03	Not applicable
Filter Housing	57514-02 57514-31	QB0555	03	Not applicable

NOTE: For definitions of interchangeability codes in column INT. refer to ATA Common

Support Data Dictionary (CSDD), chapter 2.

Config. 05

DESCRIPTION	OLD PART No.	NEW PART No.	INT	MIXABILITY	
Filter Cartridge	QB0511	QB0639	03	Not applicable	

NOTE: For definitions of interchangeability codes in column INT. refer to ATA Common

Support Data Dictionary (CSDD), chapter 2.

Config. 06

DESCRIPTION	OLD PART No.	NEW PART No.	INT	MIXABILITY
Filter Cartridge	4200A200-5	QB0639	03	Not applicable
Tube Assembly	402U20-1	QB0553	03	Not applicable
Filter Housing	402K200-1	QB0555	03	Not applicable

NOTE: For definitions of interchangeability codes in column INT. refer to ATA Common

Support Data Dictionary (CSDD), chapter 2.

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2. MATERIAL INFORMATION

A. MATERIAL - PRICE AND AVAILABILITY

(1) Material

See list of Materials-Operator Supplied.

(2) Price and Availability

Sales terms must be agreed between the Customers and AIRBUS in accordance with the RFC (or RFC/RMO) procedure.

B. <u>INDUSTRY SUPPORT INFORMATION</u>

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

C. <u>LIST OF COMPONENTS</u>

None

D. <u>LIST OF MATERIALS - OPERATOR SUPPLIED</u>

(1) Consumable Materials

DESCRIPTION	REFERENCE TO CML MAT No.	QTY PER A/C	INST/DISP
Pure Mineral Vaseline or Petrolatum Electrical Bonding Coating (Blue Color)	Mat. No. 04-012 Mat. No. 07-001D	As required As required	
Bolt NAS1303-3	None	2	
Nut NAS1726-3	None	2	
Packing NSA8203-260	None	1	

(2) Components

Config. 01 thru Config. 02

ITEM	NEW PART No.	QTY UM	KEYWORD	ITEM	OLD PART No.	IN	IT INST DISP
11	QB0555	1	Housing	(4)	57514-02 57514-31	03	(01) (02) (03) *
12	QB0553	1	Tube	(21)	SF0090	03	(01) (02) (03)

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ITEM	NEW PART No.	QTY	UM	KEYWORD	ITEM	OLD PART No.	INT INST DISP
15	QB0511	1		CARTRIDG	(22)	420A200-2 4200A200-4	03 (01) (02) (04) (03)

NOTE: For definitions of interchangeability codes in column INT. refer to ATA Common

Support Data Dictionary (CSDD), chapter 2.

NOTE(01) Items 11, 12 and 15 are components of the PALL filter assy.

NOTE(02) The cartridge PN 420A200-2 or 4200A200-4, the de-mister PN 4250A200-3, the tube PN SF0090, the duct PN D2121019200000 or D2121019200200 and the seal PN D2121037320000 are installed on the housing Item (4) and discarded together with it.

NOTE(03) The operator must get this equipment from :

PALL FLUIDES ET SYSTEMES DIV DE PALL 3 RUE DES GAUDINES - BP 5253 78100 ST GERMAIN EN LAYE FRANCE

NOTE(04) The cartridge PN QB0511 is no more available. The PALL filter assy will only be supplied with cartridge PN QB0639.

NOTE(*) Discard

Config. 03 thru Config. 04

ITEM	NEW PART No.	QTY UM	KEYWORD	ITEM	OLD PART No.	IN	T INST DISP
11	QB0555	1	Housing	(4)	57514-02 57514-31	03	(01) (02) (03)
12	QB0553	1	Tube	(21)	SF0090	03	(01) (02) (03) *
15	QB0639	1	CARTRIDG	(22)	420A200-2 4200A200-4	03	(01) (02) (03)

NOTE: For definitions of interchangeability codes in column INT. refer to ATA Common

Support Data Dictionary (CSDD), chapter 2.

NOTE(01) Items 11, 12 and 15 are components of the PALL filter assy.

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NOTE(02) The cartridge PN 420A200-2 or PN 4200A200-4, the de-mister PN

4250A200-3, the tube PN SF0090, the duct PN D2121019200000 or D2121019200200 and the seal PN D2121037320000 are installed on the

housing Item (4) and discarded together with it.

NOTE(03) The operator must get this equipment from :

PALL FLUIDES ET SYSTEMES DIV DE PALL 3 RUE DES GAUDINES - BP 5253 78100 ST GERMAIN EN LAYE FRANCE

NOTE(*) Discard

Config. 05

ITEM NEW PART No. QTY UM KEYWORD ITEM OLD PART No. INT INST DISP

QB0639 1 CARTRIDG QB0511 03 (01)

NOTE: For definitions of interchangeability codes in column INT. refer to ATA Common

Support Data Dictionary (CSDD), chapter 2.

NOTE(01) The operator must get this equipment from :

PALL FLUIDES ET SYSTEMES DIV DE PALL 3 RUE DES GAUDINES - BP 5253

78100 ST GERMAIN EN LAYE

FRANCE

NOTE(*) Discard

Config. 06

ITEM	NEW PART No.	QTY	UM	KEYWORD	ITEM	OLD PART No.	IN	T INST DISP
11	QB0555	1		Housing	(4)	402K200-1	03	(01) (02) (03)
12	QB0553	1		Tube	(21)	402U20-1	03	(01) (02) (03) *
15	QB0639	1		CARTRIDG	(22)	4200A200-5	03	(01) (02) (03)

NOTE: For definitions of interchangeability codes in column INT. refer to ATA Common

Support Data Dictionary (CSDD), chapter 2.

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NOTE(01) Items 11, 12 and 15 are components of the PALL filter assy.

NOTE(02) The cartridge PN 4200A200-5, the de-mister PN 425A200-5 and the tube PN 402U20-1 are installed on the housing Item (4) and discarded together with it.

NOTE(03) The operator must get this equipment from :

PALL FLUIDES ET SYSTEMES DIV DE PALL 3 RUE DES GAUDINES - BP 5253 78100 ST GERMAIN EN LAYE FRANCE

NOTE(*) Discard

E. PARTS TO BE RE-IDENTIFIED BY THE OPERATOR

None

F. TOOLING - PRICE AND AVAILABILITY

None

G. SPECIAL TOOLS

None

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3. ACCOMPLISHMENT INSTRUCTIONS

A. GENERAL

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

CAUTION: ALWAYS OBEY THE PRECAUTIONS THAT FOLLOW TO KEEP ELECTRICAL WIRING IN A SATISFACTORY CONDITION (ELECTRICALLY AND MECHANICALLY SERVICEABLE). WHEN YOU DO A 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, REFER TO ESPM 20-55-00.

(1) Preparation

- (a) Config. 01 thru Config. 06
 - <u>1</u> Make sure that the aircraft is electrically grounded, (Refer to AMM 12-34-24, Page block 201).
 - <u>2</u> Do the preparation procedure as specified in the removal/installation of the avionics ventilation filter assembly, (Refer to AMM 21-26-43, Page block 401).

(2) Standard Practices

- (a) For the specification of the material numbers (Mat. No.), refer to the CML.
- (b) Do the electrical bonding, (Refer to AMM 20-28-00, Page block 201) with Pure Mineral Vaseline or Petrolatum (Mat. No. 04-012) or Electrical Bonding Coating (Blue Color) (Mat. No. 07-001D).

B. MODIFICATION

- (1) Config. 01
 - (a) Remove the LE BOZEC filter Refer to Figure 1

1	Remove	

4	Clamp	Item (1)	Retain
1	Flexible Sleeve	Item (2)	Retain
1	Clamp	Item (3)	Retain
1	Drain Hose	Item (5)	Retain

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4 1 1 2 2 1	Clamp Flexible Sleeve Clamp Nut Bolt Packing		Item (6) Item (7) Item (8) Item (9) Item (10) Item (20)	Retain Retain Retain Discard Discard Discard
and				
1	Housing	57514-02	Item (4)	Discard
or				
1	Housing	57514-31	Item (4)	Discard
NOT	E: The housing Ite	em (4) contains :		
1 1	Tube Assembly De-Mister Filter	SF0090 4250A200-3	Item (21) Item (23)	Discard Discard
and				
1	Filter Cartridge	420A200-2	Item (22)	Discard
or				
1	Filter Cartridge	4200A200-4	Item (22)	Discard
and	these items are discard	led with the housing.		

Install the PALL filter (b) Refer to Figures 1 and 4 (Refer to CMM 21-26-02)

1

1 Insta	all:		
_ 1	Filter Housing	QB0555	Item 11
2	Bolt	NAS1303-3	Item 10
2	Nut	NAS1726-3	Item 9
1	Flexible Sleeve		Item (7)
4	Clamp		Item (6)
1	Clamp		Item (8)
1	Flexible Sleeve		Item (2)
4	Clamp		Item (1)
1	Tube Assembly	QB0553	Item 12
12	Bolt	(*)	Item 13
12	Washer	(*)	Item 14

1 Item (3) Clamp Item 20 Packing NSA8203-260 1 Filter Cartridge 1 QB0511 Item 15

NOTE: Items (1), (2), (3), (5), (6), (7) and (8) were retained at removal.

Item (5)

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Drain Hose

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NOTE(*) The vendor PALL supplies the 12 bolts and washers (Items 13 and 14) with the filter assy.

NOTE(01) The operator supplies the 2 Bolt NAS1303-3, the 2 Nut NAS1726-3 and the Packing NSA8203-260.

NOTE(02) When LE BOZEC filter is removed:

- Loosen the clamps Items (1) and (6). Move the coupling sleeve Item (2) on the duct. Move the coupling sleeve Item (7) on the duct.
- Start the installation of the PALL filter with the connecting flange on the duct of the air inlet valve. Put the clamp Item (8) in position. Do not tighten the clamp to make the rotation possible around the connecting flange.
- Connect the vertical and horizontal rods. Do not tighten the fitting bolt nuts.
- If necessary, loosen the sleeve clamp to put the duct in position.
- Loosen the attachment clamp of the duct which comes from the exchanger.
- If necessary, put the ducts in position again.
- Tighten again all the sleeve clamps and the duct support clamps.
- Tighten the fitting bolt of the two rods.
- Tighten the clamp Item (8).
- (c) Do the electrical bonding of the filter on FR21, (Refer to Figure 5)

NOTE: The vendor supplies the bolt Item 17 and the nut Item 16 with the filter assy, for the electrical bonding of the filter.

(2) Config. 02

(a) Remove the LE BOZEC filter Refer to Figure 2

1 Remo	ve :			
2	Clamp		Item (24)	Retain
1	Flexible Sleeve		Item (2)	Retain
1	Clamp		Item (3)	Retain
1	Drain Hose		Item (5)	Retain
2	Clamp		Item (25)	Retain
1	Flexible Sleeve		Item (7)	Retain
1	Clamp		Item (8)	Retain
2	Nut		Item (9)	Discard
2	Bolt		Item (10)	Discard
1	Packing		Item (20)	Discard
and				
1	Housing	57514-02	Item (4)	Discard
or				
1	Housing	57514-31	Item (4)	Discard
NOTE	: The housing Item	(4) contains :		

SF0090

Item (21)

Discard

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Tube Assembly



1	De-Mister Filter	4250A200-3	Item (23)	Discard
and				
1	Filter Cartridge	420A200-2	Item (22)	Discard
or				
1	Filter Cartridge	4200A200-4	Item (22)	Discard
1.4				

and these items are discarded with the housing.

(b) Install the PALL filter Refer to Figures 2 and 4 (Refer to CMM 21-26-02)

<u>1</u> In	stall:		
1	Filter Housing	QB0555	Item 11
2	Bolt	NAS1303-3	Item 10
2	Nut	NAS1726-3	Item 9
1	Flexible Sleeve		Item (7)
2	Clamp		Item (25)
1	Clamp		Item (8)
1	Flexible Sleeve		Item (2)
2	Clamp		Item (24)
1	Tube Assembly	QB0553	Item 12
12	Bolt	(*)	Item 13
12	Washer	(*)	Item 14
1	Drain Hose		Item (5)
1	Clamp		Item (3)
1	Packing	NSA8203-260	Item 20
1	Filter Cartridge	QB0511	Item 15

NOTE: Items (2), (3), (5), (7), (8), (24) and (25) were retained at removal.

NOTE(*) The vendor PALL supplies the 12 bolts and washers (Items 13 and 14) with the filter assy.

NOTE(01) The operator supplies the 2 Bolt NAS1303-3, the 2 Nut NAS1726-3 and the Packing NSA8203-260.

NOTE(02) When LE BOZEC filter is removed :

- Loosen the clamps Items (24) and (25). Move the coupling sleeve Item (2) on the duct. Move the coupling sleeve Item (7) on the duct.
- Start the installation of the PALL filter with the connecting flange on the duct of the air inlet valve. Put the clamp Item (8) in position. Do not tighten the clamp to make the rotation possible around the connecting flange.
- Connect the vertical and horizontal rods. Do not tighten the fitting bolt nuts.
- If necessary, loosen the sleeve clamp to put the duct in position.
- Loosen the attachment clamp of the duct which comes from the exchanger.
- If necessary, put the ducts in position again.
- Tighten again all the sleeve clamps and the duct support clamps.
- Tighten the fitting bolt of the two rods.

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- Tighten the clamp Item (8).
- Do the electrical bonding of the filter on FR21, (Refer to Figure 5) (c)

NOTE: The vendor supplies the bolt Item 17 and the nut Item 16 with the filter assy, for the electrical bonding of the filter.

- Config. 03 (3)
 - Remove the LE BOZEC filter (a) Refer to Figure 1

1 Remo	Clamp Flexible Sleeve Clamp Drain Hose Clamp Flexible Sleeve Clamp Nut Bolt		Item (1) Item (2) Item (3) Item (5) Item (6) Item (7) Item (8) Item (9) Item (10)	Retain Retain Retain Retain Retain Retain Discard
1	Packing		Item (20)	Discard
and				
1	Housing	57514-02	Item (4)	Discard
or				
1	Housing	57514-31	Item (4)	Discard
NOTE	: The housing Item	(4) contains :		
1 1	Tube Assembly De-Mister Filter	SF0090 4250A200-3	Item (21) Item (23)	Discard Discard
and				
1	Filter Cartridge	420A200-2	Item (22)	Discard
or				
1	Filter Cartridge	4200A200-4	Item (22)	Discard
and th	nese items are discarded	with the housing.		

Install the PALL filter (b) Refer to Figures 1 and 4 (Refer to CMM 21-26-02)

1 Install:

Filter Housing QB0555 Item 11

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2	Bolt	NAS1303-3	Item 10
2	Nut	NAS1726-3	Item 9
1	Flexible Sleeve		Item (7)
4	Clamp		Item (6)
1	Clamp		Item (8)
1	Flexible Sleeve		Item (2)
4	Clamp		Item (1)
1	Tube Assembly	QB0553	Item 12
12	Bolt	(*)	Item 13
12	Washer	(*)	Item 14
1	Drain Hose		Item (5)
1	Clamp		Item (3)
1	Packing	NSA8203-260	Item 20
1	Filter Cartridge	QB0639	Item 15

NOTE: Items (1), (2), (3), (5), (6), (7) and (8) were retained at removal.

NOTE(*) The vendor PALL supplies the 12 bolts and washers (Items 13 and 14) with the filter assy.

NOTE(01) The operator supplies the 2 Bolt NAS1303-3, the 2 Nut NAS1726-3 and the Packing NSA8203-260.

NOTE(02) When LE BOZEC filter is removed:

- Loosen the clamps Items (1) and (6). Move the coupling sleeve Item (2) on the duct. Move the coupling sleeve Item (7) on the duct.
- Start the installation of the PALL filter with the connecting flange on the duct of the air inlet valve. Put the clamp Item (8) in position. Do not tighten the clamp to make the rotation possible around the connecting flange.
- Connect the vertical and horizontal rods. Do not tighten the fitting bolt nuts.
- If necessary, loosen the sleeve clamp to put the duct in position.
- Loosen the attachment clamp of the duct which comes from the exchanger.
- If necessary, put the ducts in position again.
- Tighten again all the sleeve clamps and the duct support clamps.
- Tighten the fitting bolt of the two rods.
- Tighten the clamp Item (8).
- (c) Do the electrical bonding of the filter on FR21, (Refer to Figure 5)

NOTE: The vendor supplies the bolt Item 17 and the nut Item 16 with the filter assy, for the electrical bonding of the filter.

- (4) Config. 04
 - (a) Remove the LE BOZEC filter Refer to Figure 2

1 Remove	
----------	--

2	Clamp	Item (24)	Retain
1	Flexible Sleeve	Item (2)	Retain
1	Clamp	Item (3)	Retain
1	Drain Hose	Item (5)	Retain
2	Clamp	Item (25)	Retain

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1	Flexible Sleeve	Item (7)	Retain
1	Clamp	Item (8)	Retain
2	Nut	Item (9)	Discard
2	Bolt	Item (10)	Discard
1	Packing	Item (20)	Discard

and

1 Housing 57514-02 Item (4) Discard

or

1 Housing 57514-31 Item (4) Discard

NOTE: The housing Item (4) contains:

1	Tube Assembly	SF0090	Item (21)	Discard
1	De-Mister Filter	4250A200-3	Item (23)	Discard

and

1 Filter Cartridge 420A200-2 Item (22) Discard

or

1 Filter Cartridge 4200A200-4 Item (22) Discard

and these items are discarded with the housing.

(b) Install the PALL filter Refer to Figures 2 and 4 (Refer to CMM 21-26-02)

Install:			
Fi	Iter Housing	QB0555	Item 11
В	olt	NAS1303-3	Item 10
N	ut	NAS1726-3	Item 9
FI	exible Sleeve		Item (7)
С	lamp		Item (25)
С	lamp		Item (8)
FI	exible Sleeve		Item (2)
С	lamp		Item (24)
Τι	ube Assembly	QB0553	Item 12
В	olt	(*)	Item 13
W	asher/	(*)	Item 14
D	rain Hose		Item (5)
С	lamp		Item (3)
Pa	acking	NSA8203-260	Item 20
Fi	Iter Cartridge	QB0639	Item 15
	Fi Bi N FI C C Ti Bi W D	Filter Housing Bolt Nut Flexible Sleeve Clamp Clamp Flexible Sleeve Clamp Tube Assembly Bolt Washer Drain Hose Clamp	Filter Housing QB0555 Bolt NAS1303-3 Nut NAS1726-3 Flexible Sleeve Clamp Clamp Flexible Sleeve Clamp Tube Assembly QB0553 Bolt (*) Washer (*) Drain Hose Clamp Packing NSA8203-260

NOTE: Items (2), (3), (5), (7), (8), (24) and (25) were retained at removal.

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NOTE(*) The vendor PALL supplies the 12 bolts and washers (Items 13 and 14) with the filter assy.

NOTE(01) The operator supplies the 2 Bolt NAS1303-3, the 2 Nut NAS1726-3 and the Packing NSA8203-260.

NOTE(02) When LE BOZEC filter is removed:

- Loosen the clamps Items (24) and (25). Move the coupling sleeve Item (2) on the duct. Move the coupling sleeve Item (7) on the duct.
- Start the installation of the PALL filter with the connecting flange on the duct of the air inlet valve. Put the clamp Item (8) in position. Do not tighten the clamp to make the rotation possible around the connecting flange.
- Connect the vertical and horizontal rods. Do not tighten the fitting bolt nuts.
- If necessary, loosen the sleeve clamp to put the duct in position.
- Loosen the attachment clamp of the duct which comes from the exchanger.
- If necessary, put the ducts in position again.
- Tighten again all the sleeve clamps and the duct support clamps.
- Tighten the fitting bolt of the two rods.
- Tighten the clamp Item (8).
- (c) Do the electrical bonding of the filter on FR21, (Refer to Figure 5)

NOTE: The vendor supplies the bolt Item 17 and the nut Item 16 with the filter assy, for the electrical bonding of the filter.

- (5) Config. 05
 - (a) Replace the filter cartridge (Refer to AMM 21-26-43, Page block 401)
 - 1 Remove:

1 Filter Cartridge QB0511 Discard

2 Install:

1 Filter Cartridge QB0639

- (6) Config. 06
 - (a) Remove the LE BOZEC filter Refer to Figure 3

<u>1</u>	Remov	/e :			
2	2	Clamp	ABS0901-180	Item (24)	Retain
1	l	Sleeve	A2121212522900	Item (2)	Retain
1	l	Clamp		Item (3)	Retain
1	l	Drain Hose		Item (5)	Retain
2	2	Clamp	ABS0901-145	Item (25)	Retain
1	l	Sleeve	A2121212522300	Item (7)	Retain
1	l	Clamp	NSA8603-737	Item (8)	Retain
2	2	Nut		Item (9)	Discard
2	2	Bolt		Item (10)	Discard
1		O-Ring	NSA8203-260	Item (20)	Discard

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1	Housing Assembly	402K200-1	Item (4)	Discard
NOTE	: The housing Item (4) contains :		
1	Syphon Assembly	402U20-1	Item (21)	Discard
1	De-Mister Filter	425A200-5	Item (23)	Discard
1	Cartridge Assembly	4200A200-5	Item (22)	Discard

and these items are discarded with the housing.

(b) Install the PALL filter Refer to Figures 3 and 4 (Refer to CMM 21-26-02)

:		
Filter Housing	QB0555	Item 11
Bolt	NAS1303-3	Item 10
Nut	NAS1726-3	Item 9
Sleeve	A2121212522300	Item (7)
Clamp	ABS0901-145	Item (25)
Clamp	NSA8603-737	Item (8)
Sleeve	A2121212522900	Item (2)
Clamp	ABS0901-180	Item (24)
Tube Assembly	QB0553	Item 12
Bolt	(*)	Item 13
Washer	(*)	Item 14
Drain Hose		Item (5)
Clamp		Item (3)
O-Ring	NSA8203-260	Item 20
Filter Cartridge	QB0639	Item 15
	Filter Housing Bolt Nut Sleeve Clamp Clamp Sleeve Clamp Tube Assembly Bolt Washer Drain Hose Clamp O-Ring	Filter Housing QB0555 Bolt NAS1303-3 Nut NAS1726-3 Sleeve A2121212522300 Clamp ABS0901-145 Clamp NSA8603-737 Sleeve A2121212522900 Clamp ABS0901-180 Tube Assembly QB0553 Bolt (*) Washer (*) Drain Hose Clamp O-Ring NSA8203-260

NOTE: Items (2), (3), (5), (7), (8), (24) and (25) were retained at removal.

NOTE(*) The vendor PALL supplies the 12 bolts and washers (Items 13 and 14) with the filter assy.

NOTE(01) The operator supplies the 2 Bolt NAS1303-3, the 2 Nut NAS1726-3 and the Packing NSA8203-260.

NOTE(02) When LE BOZEC filter is removed :

- Loosen the clamps Items (24) and (25). Move the coupling sleeve Item (2) on the duct. Move the coupling sleeve Item (7) on the duct.
- Start the installation of the PALL filter with the connecting flange on the duct of the air inlet valve. Put the clamp Item (8) in position. Do not tighten the clamp to make the rotation possible around the connecting flange.
- Connect the vertical and horizontal rods. Do not tighten the fitting bolt nuts.
- If necessary, loosen the sleeve clamp to put the duct in position.
- Loosen the attachment clamp of the duct which comes from the exchanger.
- If necessary, put the ducts in position again.
- Tighten again all the sleeve clamps and the duct support clamps.
- Tighten the fitting bolt of the two rods.

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- Tighten the clamp Item (8).
- (c) Do the electrical bonding of the filter on FR21, (Refer to Figure 5)

NOTE: The vendor supplies the bolt Item 17 and the nut Item 16 with the filter assy, for the electrical bonding of the filter.

C. TEST

None

D. CLOSE UP

- (1) Config. 01 thru Config. 06
 - (a) Do the close-up procedure as specified in the removal/installation of the avionics ventilation filter assembly, (Refer to AMM 21-26-43, Page block 401).

E. **DOCUMENTATION**

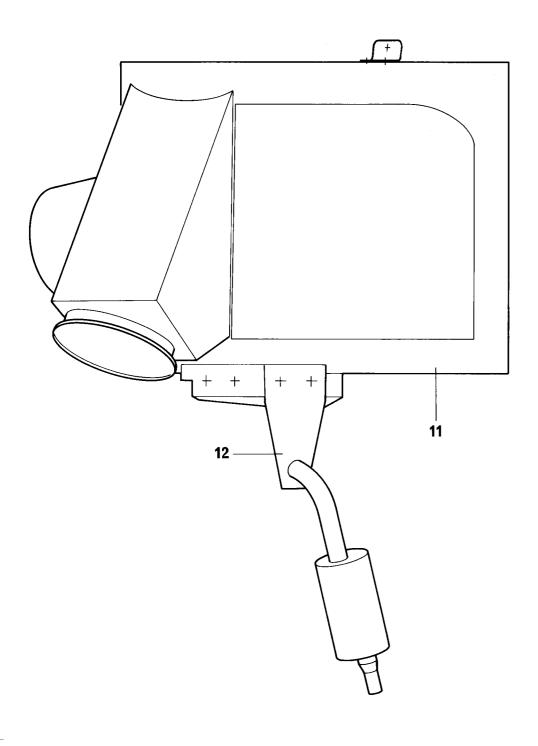
Write in the applicable records that you have done all the work given in this Service Bulletin.

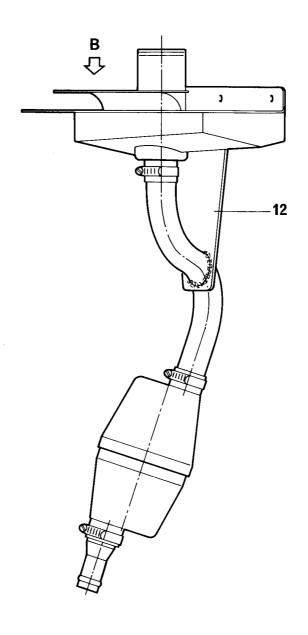
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Figure 1, Sheet 1 Config. 01, 03:Removal/Installation of the Filter

Figure 2, Sheet 1 Config. 02, 04:Removal/Installation of the Filter

Figure 3, Sheet 1 Config. 06:Removal/Installation of the Filter





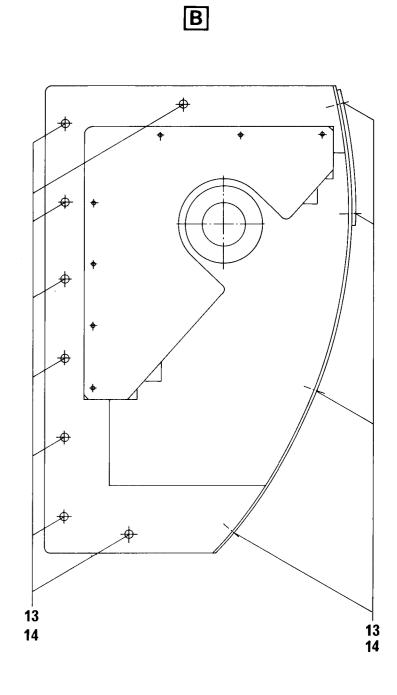
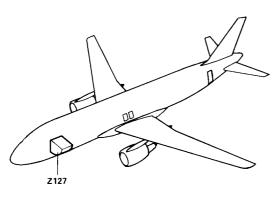
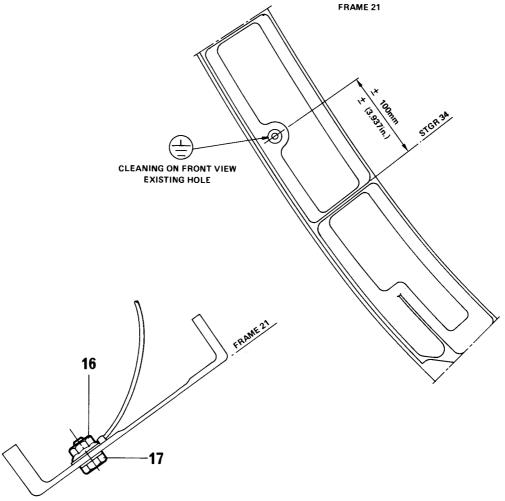


Figure 4, Sheet 1 Config. 01 to 04, 06:Removal/Installation of the Filter





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Figure 5, Sheet 1 Config. 01 to 04, 06:Bonding of the Filter on FR21

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TITLE: AIR CONDITIONING - AVIONICS EQUIPMENT VENTILATION - INSTALL PALL FILTER INSTEAD OF LE BOZEC.

MODIFICATION No.: 24146P3462, 26739P5104, 27038P5162, 34885P8785

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