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SERVICE BULLETIN

SUMMARY

AIRBUS

CUSTOMER SERVICES DIRECTORATE

1 Rond Point Maurice Bellonte

31707 BLAGNAC CEDEX FRANCE

Tel : (33) 5 61 93 33 33

Telex : AIRBU 530526F

Fax : (33) 5 61 93 42 51

This summary is for information only

and is not approved for modification of the aircraft

ATA SYSTEM : 21

TITLE : AIR CONDITIONING - AIR COOLING SYSTEM - PTFE SEALS FOR AIR CONDITIONING

MODIFICATION No . : 34863K9903

REASON/DESCRIPTION/OPERATIONAL CONSEQUENCES

Experience has shown that the present standard of pack seals, made of silicone,

could lose their sealing qualities after some time in-service . This could lead

to air leakages and subsequent equipment wear .

This Service Bulletin has been issued to inform operators of the issue of the

LIEBHERR AEROSPACE Vendor Service Bulletin (VSB) No .1802A-21-03 . This VSB

introduces improved ABS seals .

The accomplishment of this Service Bulletin (SB) will improve the reliability of

the seals and the subsequent equipment .

Accomplishment of this SB cancels the MPD task 215200-07-1 actions associated to

the replacement at every 11 .000 flight hours of combo- and peri-seals throughout

the pack ducting .

|  |  |  |  |
| --- | --- | --- | --- |
| 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 | NO | ETOPS/LROPS AFFECTED | NO |
| STRUCTURAL LIFE EXTN | NO | VENDOR SB INVOLVED | YES |
| KIT PRICE (USD) | SEE SB |  |  |

EFFECTIVITY

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

30X 31X 53Z 57Y 72Y 83Y AAF AAR ABQ ABY ACA ACI ADR AFL AFR AHY AJM ALK AMC AMU

ANA ANZ ARF AUA AWE AZA B2V BAW BES BGH BIE BMA BWG CBF CCM CES CIB CJG CNW CRX

CSA CSC CSN CSZ CTN CXN CYP D2F DAT DCS DGA DKN DLH EDW EEZ EGN EIN EIR EZY F2I

6 DATE : Jun 24/05

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SUMMARY

F2L FCA FFT FHY FIN G4I G8E GBL GFA GWI GWY HDA HEJ HVN I2L IAC IBE IRM ISS IWD

JAV JBU JCS JET JKK JST KAC KYV LAJ LAN LBT LTC LTE LTU LVG LXR MAU MEA MHS MLD

MNJ MON MPH MSR MXA MYT NKS NLY NVR NWA OGE OHY PAL PIC PTI QAF QTR R1T RAM RBA

RJA RML RNV RZO S8G SAS SEU SHJ SLK SSV SYR TAE TAI TAM TAP TAR TAS TCW TCX TGW

THY TNA TWJ UAL UKM USA VBW VKG VLE VLG VLU WGT WZZ

CONCURRENT REQUIREMENTS

None

REFERENCES/REPERCUSSIONS

TFU

OEB

AOT

SIL

LIFE LIMIT

: None

: None

: None

: None

: None

LINE MAINTENANCE AFFECTED : No

OTHERS : None

NATURE OF THE WORK

AIRCRAFT : NO

EQUIPMENT : YES

HARD : NO

SOFT : NO

OBRM : NO

MANPOWER

TOTAL MANHOURS

22 .00

9 . 50

ELAPSED TIME (HOURS)

MATERIAL INFORMATION

AIRCRAFT DATA

None

APPENDICES

None

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AIRBUS

CUSTOMER SERVICES DIRECTORATE

1 Rond Point Maurice Bellonte

31707 BLAGNAC CEDEX FRANCE

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ATA SYSTEM : 21

TITLE : AIR CONDITIONING - AIR COOLING SYSTEM - PTFE SEALS FOR AIR CONDITIONING

MODIFICATION No . : 34863K9903

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1. PLANNING INFORMATION

A . EFFECTIVITY

(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) Aircraft

(a) Effectivity by MSN

This Service Bulletin is applicable to aircraft MSN :

0002-0008 0010-0014 0016-0078 0080-0091 0093-0104 0106-0373

0375-0432 0434-0480 0482-0535 0537-0601 0603-0707 0709-1185

1187-1277 1279-1598 1600-1812 1814-1821 1823-1829 1831-1918

1920-1929 1931-1984 1986-2024 2026-2110 2112-2193 2195-2230

2232-2241 2243 2245 2249 2251 2253 2255 2259 2261 2273 2303

NOTE : Some of the above listed aircraft have been delivered

with one pack equipped with new seals . The subsequent

aircrafts and related Air Conditioning Packs are

effected:

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|  |  |
| --- | --- |
| Aircraft/MSN | S/N Air Conditioning Pack |
| 2233 | 4960 |
| 2234 | 5010 |
| 2238 | 4962 |
| 2243 | 4972 |
| 2261 | 4975 |
| 2273 | 5004 |

(b) 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 |  |  |  |  |  |  |  |  |  |
| 30X | 0814 | 1757 | 1775 |  |  |  |  |  |  |  |
| 31X | 2192 |  |  |  |  |  |  |  |  |  |
| 53Z | 1468 |  |  |  |  |  |  |  |  |  |
| 57Y | 1494 |  |  |  |  |  |  |  |  |  |
| 72Y | 2165 |  |  |  |  |  |  |  |  |  |
| 83Y | 1086 | 1124 |  |  |  |  |  |  |  |  |
| AAF | 0808 | 0823 | 0888 | 1017 |  |  |  |  |  |  |
| AAR | 0771  2045 | 0855  2110 | 1060  2226 | 1293 | 1356 | 1511 | 1636 | 1670 | 1734 | 2041 |
| ABQ | 0394 | 0443 | 0760 |  |  |  |  |  |  |  |
| ABY | 0112 | 2158 | 2166 |  |  |  |  |  |  |  |
| 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 | 0279 | 0284 | 0290 | 0302 |
|  | 0305 | 0309 | 0310 | 0311 | 0324 | 0330 | 0333 | 0341 | 0342 | 0350 |
|  | 0359 | 0378 | 0384 | 0403 | 0404 | 0426 | 0546 | 0572 | 0634 | 0639 |
|  | 0649 | 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 | 1630 | 1632 | 1638 | 1668 |
|  | 1673 | 1718 | 1719 | 1726 | 1742 | 1748 | 1756 | 1765 | 1772 | 1783 |
|  | 1805 | 1811 | 1853 | 1864 | 1874 | 1886 | 1940 | 1963 | 2018 | 2145 |
| ACI | 2152 |  |  |  |  |  |  |  |  |  |
| ADR | 0043 | 0113 | 0114 |  |  |  |  |  |  |  |

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| OPERATOR | MSN |  |  |  |  |  |  |  |  |  |
| AFL | 2052 | 2069 | 2072 | 2091 | 2093 | 2106 | 2116 | 2133 | 2144 | 2151 |
|  | 2163 | 2179 | 2222 | 2233 | 2243 |  |  |  |  |  |
| 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 | 0215 |
|  | 0220 | 0226 | 0227 | 0228 | 0235 | 0236 | 0237 | 0239 | 0244 | 0270 |
|  | 0278 | 0285 | 0286 | 0287 | 0337 | 0352 | 0377 | 0491 | 0498 | 0509 |
|  | 0521 | 0529 | 0544 | 0598 | 0600 | 0608 | 0618 | 0625 | 0637 | 0644 |
|  | 0647 | 0660 | 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 | 2035 |
|  | 2059 | 2071 | 2081 | 2100 | 2109 | 2140 | 2213 | 2228 |  |  |
| AHY | 0331 |  |  |  |  |  |  |  |  |  |
| AJM | 0422 | 0528 | 0624 | 0626 | 0628 | 0630 | 0666 | 0775 | 1213 | 1390 |
|  | 1503 | 1747 | 1751 | 1905 | 1966 | 1988 | 2048 |  |  |  |
| ALK | 0164 | 0169 | 0304 | 0315 | 0406 |  |  |  |  |  |
| AMC | 2113 | 2122 | 2142 | 2178 | 2186 | 2189 |  |  |  |  |
| AMU | 0557  1912 | 0597  1926 | 0620  1962 | 0631 | 0805 | 0908 | 1758 | 1790 | 1850 | 1893 |
| 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 | 0802 | 0811 | 0963 | 1008 | 1042 |
|  | 1204 | 1227 | 1973 | 2054 | 2061 |  |  |  |  |  |
| ANZ | 2085 | 2090 | 2112 | 2130 | 2148 | 2153 | 2173 |  |  |  |
| ARF | 0575 | 0580 | 1199 | 1218 | 2108 | 2128 |  |  |  |  |
| AUA | 0552 | 0570 | 0581 | 0768 | 0776 | 0797 | 0920 | 0935 | 1137 | 1150 |
|  | 1189 | 1387 | 1458 | 1478 | 2131 | 2174 |  |  |  |  |
| AWE | 0052 | 0053 | 0054 | 0055 | 0064 | 0065 | 0066 | 0067 | 0076 | 0077 |
|  | 0081 | 0082 | 0091 | 0098 | 0099 | 0238 | 0271 | 0317 | 0448 | 0455 |
|  | 0471 | 0527 | 0543 | 0565 | 0584 | 0661 | 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 | 2029 | 2077 | 2193 |  |  |  |  |  |
| 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 | 2127 |  |  |  |  |
| B2V | 0191 |  |  |  |  |  |  |  |  |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| OPERATOR | MSN |  |  |  |  |  |  |  |  |  |
| BAW | 0006 | 0008 | 0011 | 0017 | 0018 | 0039 | 0042 | 0103 | 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 | 1689 | 1696 | 1708 | 1760 | 1782 | 1814 |
|  | 1829 | 1871 | 1883 | 1899 | 1907 | 1910 | 1958 | 2038 | 2040 |  |
| BES | 1256 | 1999 |  |  |  |  |  |  |  |  |
| BGH | 0029 | 0221 | 0294 | 0349 |  |  |  |  |  |  |
| BIE | 0293 | 0517 | 0535 | 0642 | 0827 | 0891 |  |  |  |  |
| BMA | 0835 | 0864 | 0934 | 0968 | 0974 | 1014 | 1045 | 1153 | 1174 | 1177 |
|  | 1183  2188 | 1207 | 1383 | 1407 | 1418 | 1424 | 1697 | 1732 | 1987 | 2098 |
| BWG | 0519 | 0916 |  |  |  |  |  |  |  |  |
| CBF | 1776 | 1788 | 1974 | 1995 | 2067 | 2080 | 2200 | 2203 | 2232 | 2273 |
| CCM | 0533 | 0548 | 1068 | 1145 |  |  |  |  |  |  |
| CES | 0772 | 0799 | 0828 | 0883 | 0909 | 0914 | 0925 | 0967 | 1005 | 1028 |
|  | 1030 | 1041 | 1070 | 1072 | 1093 | 1108 | 1285 | 1303 | 1312 | 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 | 2219 | 2221 | 2235 | 2239 |  |  |
| CIB | 0774  1416 | 0793  1437 | 0809  1929 | 0884 | 0894 | 0905 | 0957 | 0971 | 1381 | 1402 |
| CJG | 0707  2015 | 0724  2172 | 0876  2202 | 0921  2205 | 1296 | 1654 | 1679 | 1753 | 2000 | 2007 |
| CNW | 0665  2171 | 0754  2182 | 0838  2199 | 0854  2212 | 0897 | 0939 | 0984 | 0986 | 1316 | 2155 |
| CRX | 0520 | 0577 | 0578 | 0585 | 0596 | 0603 | 0612 | 0621 | 0635 | 0643 |
|  | 0664 | 0673 | 0681 | 0701 | 0703 | 0713 | 0727 | 0734 | 0782 | 0987 |
|  | 1018 | 1144 | 1951 | 2024 | 2134 |  |  |  |  |  |
| CSA | 0674 | 0684 | 1439 | 1450 |  |  |  |  |  |  |
| CSC | 0540  0915 | 0550  0919 | 0551  1007 | 0556  1013 | 0573 | 0582 | 0591 | 0878 | 0902 | 0912 |
| CSN | 0696 | 0698 | 0704 | 0705 | 0709 | 0710 | 0712 | 0718 | 0720 | 0722 |
|  | 0849 | 0859 | 0881 | 0895 | 0900 | 0950 | 0966 | 1035 | 1039 | 1057 |
|  | 1596 | 1614 | 1971 | 1986 | 2004 | 2008 |  |  |  |  |
| CSZ | 0994 |  |  |  |  |  |  |  |  |  |
| CTN | 0258 | 0641 | 0671 | 0767 | 0833 | 1009 | 1029 | 1237 | 1252 |  |
| CXN | 2237 |  |  |  |  |  |  |  |  |  |
| CYP | 0035 | 0037 | 0038 | 0180 | 0256 | 0295 | 0316 | 1729 | 1768 |  |
| D2F | 0085 |  |  |  |  |  |  |  |  |  |
| DAT | 1160 | 1336 | 1388 |  |  |  |  |  |  |  |
| DCS | 1053 |  |  |  |  |  |  |  |  |  |
| DGA | 1485 | 1556 |  |  |  |  |  |  |  |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| OPERATOR | MSN |  |  |  |  |  |  |  |  |  |
| DKN | 0932 | 0943 | 0977 |  |  |  |  |  |  |  |
| DLH | 0069 | 0070 | 0071 | 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 |
|  | 0401 | 0412 | 0458 | 0468 | 0473 | 0474 | 0484 | 0493 | 0502 | 0505 |
|  | 0518 | 0560 | 0563 | 0564 | 0567 | 0595 | 0609 | 0610 | 0616 | 0623 |
|  | 0627 | 0652 | 0692 | 0694 | 0699 | 0717 | 0723 | 0729 | 0744 | 0853 |
|  | 0875  1365 | 0887  1367 | 0901 | 1080 | 1161 | 1188 | 1214 | 1260 | 1273 | 1337 |
| EDW | 0942 | 0947 | 1026 |  |  |  |  |  |  |  |
| EEZ | 0737 | 0749 | 1125 | 1852 | 1920 | 1937 | 1983 | 2001 |  |  |
| EGN | 0030 |  |  |  |  |  |  |  |  |  |
| EIN | 0815  2191 | 0841  2206 | 0926  2217 | 0991 | 1023 | 1094 | 1242 | 1394 | 1443 | 1467 |
| EIR | 0391 |  |  |  |  |  |  |  |  |  |
| EZY | 2037 | 2043 | 2050 | 2053 | 2062 | 2119 | 2120 | 2129 | 2170 | 2176 |
|  | 2181 | 2184 | 2196 | 2214 | 2224 | 2230 | 2245 | 2249 | 2251 |  |
| F2I | 0028 | 1132 | 1162 | 1179 | 1244 | 1259 | 1322 |  |  |  |
| F2L | 1308 |  |  |  |  |  |  |  |  |  |
| FCA | 0677  2180 | 0781 | 0852 | 1306 | 1320 | 1571 | 1605 | 1637 | 1720 | 1777 |
| FFT | 1488 | 1515 | 1560 | 1579 | 1583 | 1660 | 1684 | 1743 | 1759 | 1761 |
|  | 1781 | 1803 | 1841 | 1851 | 1863 | 1876 | 1890 | 1939 | 1943 | 1980 |
|  | 1991 | 1997 | 2010 | 2012 | 2017 | 2019 | 2030 | 2051 | 2103 | 2198 |
|  | 2209 | 2218 | 2236 | 2240 | 2241 | 2253 |  |  |  |  |
| FHY | 0132 | 0283 | 0288 |  |  |  |  |  |  |  |
| 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 | 2124 | 2146 | 2154 | 2208 |  |  |
| G4I | 1157 | 1795 |  |  |  |  |  |  |  |  |
| G8E | 1147 |  |  |  |  |  |  |  |  |  |
| GBL | 0109  1969 | 1215  1993 | 1428  2137 | 1433  2157 | 1687 | 1715 | 1723 | 1754 | 1869 | 1918 |
| GFA | 0325 | 0375 | 0409 | 0419 | 0438 | 0445 | 0459 | 0466 | 0497 | 0537 |
| GWI | 0072 | 0382 | 0525 | 0579 | 0636 | 0645 | 0646 | 0651 | 0654 | 0679 |
|  | 0689 | 0700 | 0738 | 0794 | 0860 | 1016 | 1136 | 1172 |  |  |
| GWY | 0427 | 1152 | 1198 | 1564 | 1615 | 1725 | 1860 | 1867 | 2175 | 2187 |
| HDA | 0633 | 0756 | 0784 | 0812 | 0816 | 0877 | 0930 | 0993 | 1024 | 1253 |
|  | 1695 | 1721 | 1984 | 2021 | 2229 | 2238 |  |  |  |  |
| HEJ | 0425 | 1992 | 2016 |  |  |  |  |  |  |  |
| HVN | 0590  0956 | 0594  2255 | 0601  2261 | 0605  2303 | 0607 | 0611 | 0617 | 0619 | 0648 | 0650 |
| I2L | 0614 |  |  |  |  |  |  |  |  |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| OPERATOR | MSN |  |  |  |  |  |  |  |  |  |
| IAC | 0045 | 0046 | 0047 | 0048 | 0049 | 0050 | 0051 | 0056 | 0057 | 0058 |
|  | 0074 | 0075 | 0080 | 0089 | 0090 | 0095 | 0096 | 0097 | 0168 | 0179 |
|  | 0225 | 0247 | 0257 | 0308 | 0314 | 0326 | 0327 | 0336 | 0344 | 0354 |
|  | 0362 | 0376 | 0386 | 0396 | 0398 | 0411 | 0416 | 0423 | 0431 | 0432 |
|  | 0451 | 0469 | 0478 | 0486 | 0490 | 0492 | 0499 |  |  |  |
| IBE | 0134 | 0136 | 0143 | 0146 | 0158 | 0173 | 0176 | 0177 | 0199 | 0207 |
|  | 0223 | 0224 | 0240 | 0241 | 0246 | 0264 | 0266 | 0274 | 0303 | 0312 |
|  | 0323 | 0356 | 1021 | 1027 | 1047 | 1059 | 1067 | 1087 | 1099 | 1101 |
|  | 1119 | 1154 | 1180 | 1200 | 1208 | 1221 | 1229 | 1247 | 1255 | 1262 |
|  | 1288 | 1292 | 1318 | 1347 | 1362 | 1379 | 1396 | 1430 | 1454 | 1461 |
|  | 1484 | 1516 | 1530 | 1540 | 1550 | 1554 | 1572 | 1655 | 1674 | 1681 |
|  | 1694  2225 | 1716 | 1736 | 1793 | 1809 | 1836 | 2104 | 2115 | 2143 | 2220 |
| IRM | 0530 | 0857 |  |  |  |  |  |  |  |  |
| ISS | 1048 | 1102 | 1283 | 1305 |  |  |  |  |  |  |
| IWD | 0879 | 1130 | 1578 | 1597 | 1657 | 1767 | 2011 |  |  |  |
| JAV | 0234 |  |  |  |  |  |  |  |  |  |
| JBU | 1123 | 1156 | 1173 | 1235 | 1240 | 1257 | 1270 | 1280 | 1302 | 1327 |
|  | 1398 | 1446 | 1452 | 1464 | 1506 | 1528 | 1546 | 1557 | 1591 | 1610 |
|  | 1650 | 1652 | 1705 | 1739 | 1784 | 1785 | 1802 | 1823 | 1827 | 1835 |
|  | 1849 | 1861 | 1868 | 1891 | 1896 | 1898 | 1904 | 1915 | 1917 | 1927 |
|  | 1948 | 2006 | 2020 | 2031 | 2042 | 2063 | 2075 | 2099 | 2125 | 2132 |
|  | 2136  2259 | 2141 | 2147 | 2149 | 2150 | 2159 | 2160 | 2177 | 2201 | 2215 |
| JCS | 0211 |  |  |  |  |  |  |  |  |  |
| JET | 0163 | 0204 | 0363 | 0371 | 0393 | 0414 | 0421 | 0542 |  |  |
| JKK | 1276 | 1333 | 1349 | 1366 | 1497 | 1631 | 1682 | 1749 | 1843 | 1862 |
|  | 1914 | 1933 | 1946 | 1979 | 1998 | 2027 | 2168 | 2210 | 2223 |  |
| JST | 2169 | 2185 | 2197 |  |  |  |  |  |  |  |
| KAC | 0181 | 0182 | 0195 | 2046 |  |  |  |  |  |  |
| KYV | 1012 | 1451 | 2117 |  |  |  |  |  |  |  |
| LAJ | 0480 | 1194 | 1690 | 1711 | 1922 | 2190 |  |  |  |  |
| LAN | 1304 | 1332 | 1351 | 1355 | 1491 | 1512 | 1526 | 1548 | 1568 | 1626 |
|  | 1854 | 1858 | 1877 | 1903 | 2089 | 2096 |  |  |  |  |
| LBT | 0025  1175 | 0140  1744 | 0157 | 0222 | 0299 | 0301 | 0348 | 0970 | 0995 | 1121 |
| LTC | 0142 |  |  |  |  |  |  |  |  |  |
| LTE | 0496 | 1006 | 1219 | 1233 | 1717 | 2123 |  |  |  |  |
| LTU | 1385 | 1441 | 1493 | 1504 | 1553 | 1607 | 1629 | 1762 | 1797 | 1806 |
|  | 1838 | 1931 | 1994 | 2005 | 2009 |  |  |  |  |  |
| LVG | 0792 | 1950 | 1970 |  |  |  |  |  |  |  |
| LXR | 0022 | 0023 | 0870 | 1589 |  |  |  |  |  |  |
| MAU | 1592 | 1936 |  |  |  |  |  |  |  |  |

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SERVICE BULLETIN

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| OPERATOR | MSN |  |  |  |  |  |  |  |  |  |
| MEA | 1878 | 1953 | 1956 | 1967 | 1977 | 2055 |  |  |  |  |
| MHS | 0024 | 0026 |  |  |  |  |  |  |  |  |
| MLD | 0622 | 0662 |  |  |  |  |  |  |  |  |
| MNJ | 0615 |  |  |  |  |  |  |  |  |  |
| MON | 0379  1941 | 0389  2105 | 0392  2234 | 0446 | 0983 | 1015 | 1081 | 1370 | 1707 | 1763 |
| MPH | 1944 | 1945 | 2167 |  |  |  |  |  |  |  |
| MSR | 0165 | 0166 | 0178 | 0194 | 0198 | 0322 | 0351 | 0366 | 0680 | 0687 |
|  | 0715 | 0725 | 2070 | 2073 | 2079 | 2088 | 2094 |  |  |  |
| MXA | 0252 | 0259 | 0260 | 0261 | 0275 | 0276 | 0280 | 0291 | 0292 | 0296 |
|  | 0320 | 0321 | 0332 | 0347 | 0353 | 0357 | 0361 | 0368 | 0369 | 0373 |
|  | 0405 | 0415 | 0428 | 0430 | 0447 | 0467 | 1429 | 1598 | 1612 | 1618 |
|  | 1625  2126 | 1634 | 1706 | 1750 | 1866 | 1872 | 1882 | 1925 | 2066 | 2078 |
| MYT | 0193 | 0230 | 0338 | 0424 | 0429 | 0437 | 0444 | 0449 | 0476 | 1238 |
|  | 1250 | 1411 | 1780 | 1961 | 1965 | 1972 | 2003 |  |  |  |
| NKS | 1195 | 1408 | 1438 | 1794 |  |  |  |  |  |  |
| NLY | 0659 | 0667 | 0990 | 1459 | 1487 |  |  |  |  |  |
| NVR | 2211 | 2216 |  |  |  |  |  |  |  |  |
| NWA | 0031 | 0032 | 0034 | 0040 | 0041 | 0060 | 0106 | 0107 | 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 | 0400 | 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 | 1071 | 1078 | 1090 | 1091 | 1126 | 1129 | 1131 | 1149 |
|  | 1164 | 1167 | 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 | 1819 | 1820 | 1824 | 1828 | 1833 | 1839 |
|  | 1870 | 1875 | 1897 | 1923 | 1959 | 1976 | 1982 | 1990 | 2002 | 2013 |
|  | 2026 | 2028 | 2039 | 2047 | 2082 | 2087 | 2092 | 2095 |  |  |
| OGE | 0460 | 0461 | 0640 | 0676 | 0764 | 0978 |  |  |  |  |
| OHY | 0313  1421 | 0345 | 0364 | 0385 | 0604 | 0663 | 0668 | 0787 | 0954 | 1004 |
| PAL | 0706 | 0745 | 0753 | 1063 | 2162 | 2183 |  |  |  |  |
| PIC | 0789 |  |  |  |  |  |  |  |  |  |
| PTI | 1727 | 1880 | 1947 | 1955 |  |  |  |  |  |  |
| QAF | 0927 | 1335 |  |  |  |  |  |  |  |  |
| QTR | 0928  2121 | 1566  2138 | 1648  2161 | 1656 | 1773 | 1895 | 1928 | 1957 | 2097 | 2107 |
| R1T | 1908 |  |  |  |  |  |  |  |  |  |

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SERVICE BULLETIN

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| OPERATOR | MSN |  |  |  |  |  |  |  |  |  |
| RAM | 2064 | 2076 |  |  |  |  |  |  |  |  |
| RBA | 2023 | 2032 | 2135 | 2139 |  |  |  |  |  |  |
| RJA | 0087 | 0088 | 0289 | 0407 | 0569 | 0675 | 0761 |  |  |  |
| RML | 0397 |  |  |  |  |  |  |  |  |  |
| RNV | 0229 | 0547 | 0632 | 0726 |  |  |  |  |  |  |
| RZO | 0795 |  |  |  |  |  |  |  |  |  |
| S8G | 1202 |  |  |  |  |  |  |  |  |  |
| SAS | 1587 | 1619 | 1642 | 1675 | 1798 | 1807 | 1817 | 1848 |  |  |
| SEU | 0653 | 0657 | 0973 | 1692 |  |  |  |  |  |  |
| SHJ | 0910 |  |  |  |  |  |  |  |  |  |
| SLK | 0872 | 0899 | 0969 | 1074 | 1098 | 1228 | 1422 | 1561 | 1698 | 2058 |
| SSV | 1686 | 1846 | 1884 | 1901 |  |  |  |  |  |  |
| SYR | 0886 | 0918 | 1032 | 1076 | 1085 | 1117 |  |  |  |  |
| TAE | 2014 | 2044 |  |  |  |  |  |  |  |  |
| TAI | 0558 | 0561 | 0733 | 0741 | 0747 | 0874 | 1066 | 1113 | 1140 | 1159 |
|  | 1300 | 1334 | 1339 | 1353 | 1374 | 1400 | 1482 | 1500 | 1509 | 1523 |
|  | 1575 | 1624 | 1676 | 1730 | 1934 | 1952 | 2084 | 2102 | 2118 |  |
| TAM | 0243 | 0249 | 0250 | 0251 | 0334 | 0335 | 0440 | 0453 | 0758 | 0976 |
|  | 1010 | 1092 | 1096 | 1103 | 1139 | 1143 | 1158 | 1246 | 1251 | 1368 |
|  | 1376 | 1486 | 1518 | 1580 | 1593 | 1595 | 1608 | 1613 | 1628 | 1663 |
|  | 1672  1837 | 1703  1855 | 1771  1857 | 1801  1888 | 1804 | 1818 | 1825 | 1826 | 1831 | 1832 |
| TAP | 0185 | 0395 | 0750 | 0755 | 0763 | 0790 | 0821 | 0837 | 0906 | 0917 |
|  | 0933 | 0945 | 0960 | 0979 | 0982 | 1034 | 1100 | 1106 | 1120 | 1127 |
|  | 1165 | 1181 | 1206 | 1231 | 1307 | 1399 | 1667 | 1713 | 1799 | 1816 |
| TAR | 0119 | 0123 | 0124 | 0205 | 0370 | 0390 | 0402 | 0511 | 0869 | 0880 |
|  | 0958 | 0975 | 1187 | 1479 | 1700 |  |  |  |  |  |
| TAS | 0629 | 0937 | 1372 |  |  |  |  |  |  |  |
| TCW | 0343 | 0420 | 0436 | 1787 | 1975 |  |  |  |  |  |
| TCX | 0714 | 0716 | 0730 | 0735 | 1968 |  |  |  |  |  |
| TGW | 2195 | 2204 |  |  |  |  |  |  |  |  |
| THY | 0522 | 0541 | 0545 | 0553 | 0559 | 0562 | 0566 | 0574 | 0806 | 0810 |
|  | 0992 | 1002 | 1054 | 1413 | 1856 | 1909 | 1996 | 2060 |  |  |
| TNA | 0441 | 0538 | 0555 | 0606 | 0731 | 0746 | 0791 | 0822 |  |  |
| TWJ | 0913 |  |  |  |  |  |  |  |  |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| OPERATOR | MSN |  |  |  |  |  |  |  |  |  |
| 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  1847 | 1728  1865 | 1731 | 1737 | 1741 | 1755 | 1821 | 1840 | 1842 | 1845 |
| UKM | 0027 |  |  |  |  |  |  |  |  |  |
| USA | 0844 | 0861 | 0863 | 0868 | 0885 | 0890 | 0896 | 0904 | 0922 | 0929 |
|  | 0936 | 0946 | 0949 | 0972 | 0997 | 1019 | 1033 | 1038 | 1040 | 1044 |
|  | 1046 | 1051 | 1052 | 1055 | 1061 | 1065 | 1069 | 1077 | 1084 | 1089 |
|  | 1095 | 1097 | 1109 | 1112 | 1114 | 1122 | 1134 | 1135 | 1141 | 1148 |
|  | 1155 | 1170 | 1171 | 1182 | 1203 | 1205 | 1209 | 1210 | 1224 | 1245 |
|  | 1254 | 1263 | 1264 | 1265 | 1268 | 1269 | 1275 | 1277 | 1286 | 1287 |
|  | 1289 | 1294 | 1297 | 1298 | 1301 | 1310 | 1311 | 1313 | 1314 | 1315 |
|  | 1317 | 1319 | 1326 | 1328 | 1331 | 1340 | 1342 | 1348 | 1354 | 1358 |
|  | 1360 | 1369 | 1371 | 1378 | 1382 | 1389 | 1391 | 1393 | 1403 | 1412 |
|  | 1417 | 1425 | 1431 | 1436 | 1442 | 1447 | 1455 | 1462 | 1465 | 1472 |
|  | 1481 | 1492 | 1496 | 1499 | 1517 | 1519 | 1521 | 1525 | 1531 | 1536 |
|  | 1539 | 1651 | 1666 | 1701 | 1704 | 1724 |  |  |  |  |
| VBW | 0588 |  |  |  |  |  |  |  |  |  |
| VKG | 1881 | 1887 | 1889 | 1921 | 1932 | 1942 | 1954 | 1960 |  |  |
| VLE | 0189 | 0190 |  |  |  |  |  |  |  |  |
| VLG | 1769 | 2114 | 2207 | 2227 |  |  |  |  |  |  |
| VLU | 0739 | 0743 | 2156 | 2164 |  |  |  |  |  |  |
| WGT | 1212 |  |  |  |  |  |  |  |  |  |
| WZZ | 0839 | 0892 | 1635 | 1834 | 1892 | 1902 |  |  |  |  |

(c) Effectivity by MSN and Kit/Configuration

No AIRBUS kit is required for the accomplishment of this Service Bulletin .

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SERVICE BULLETIN

(3) Spares

Air Cond . Pack

Air Cond . Pack

Air Cond . Pack

Air Cond . Pack

Air Cond . Pack

Air Cond . Pack

Air Cond . Pack

Air Cond . Pack

Air Cond . Pack

Air Cond . Pack

Air Cond . Pack

Air Cond . Pack

1802A0000-01

1802A0000-02

1310A0000-01

1310A0000-02

1310A0000-03

1310B0000-01

744A0000-07

744A0000-08

744A0000-09

744A0000-10

744D0000-01

744D0000-02

B . CONCURRENT REQUIREMENTS

None

C . REASON

(1) History

Experience has shown that the present standard of pack seals, made

of silicone, could lose their sealing qualities after some time

in-service . This could lead to air leakages and subsequent

equipment wear .

(2) Objective/Action

This Service Bulletin has been issued to inform operators of the

issue of the LIEBHERR AEROSPACE Vendor Service Bulletin (VSB)

No .1802A-21-03 . This VSB introduces improved ABS seals .

(3) Advantages

The accomplishment of this Service Bulletin (SB) will improve the

reliability of the seals and the subsequent equipment .

(4) Operational/Maintenance Consequences

Accomplishment of this SB cancels the MPD task 215200-07-1 actions

associated to the replacement at every 11.000 flight hours of

combo- and peri-seals throughout the pack ducting .

D . DESCRIPTION

To accomplish this Service Bulletin it is necessary to :

(1) Replace the seals of air conditioning packs .

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SERVICE BULLETIN

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 operators' circumstances . The estimates do not include the time to prepare, plan or inspect the work . Manufacture and procurement of parts and tools, drying time for paints, sealants, etc . and general administration work are also not included .

Get Access

Modification

Test

Close-up

TOTAL MANHOURS

ELAPSED TIME (HOURS)

H . WEIGHT AND BALANCE

5 .00

14 .00

1 . 50

1 . 50

22 .00

9 . 50

Not changed

I . ELECTRICAL LOAD DATA

Not changed

J . REFERENCES

Aircraft Maintenance Manual (AMM)

LIEBHERR AEROSPACE Vendor Service

: 12-34-24 21- 52-00 21- 52-23

21- 52-24 21- 52-31 21-63-00

53-35-13

Bulletin No .1802A-21-03

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SERVICE BULLETIN

K . PUBLICATIONS AFFECTED

Aircraft Maintenance Manual (AMM)

Illustrated Parts Catalog (IPC)

Maintenance Planning Document (MPD)

: 21- 52-16, 21- 52-23,

21- 52-24, 21- 52-31,

21- 52-32

: 21- 52-03, 21- 52-41

: 215200-07-1

L . INTERCHANGEABILITY/MIXABILITY

DESCRIPTION

OLD

PART No .

NEW

PART

No .

INT MIXABILITY

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Seal | 630-3-250 | ABS1040-40 | 01 | None |
| Seal | 460DC250 | ABS1040-40 | 01 | None |
| Seal | 600-250 | ABS1040-40 | 01 | None |
| Seal | 630-3-350 | ABS1040- 56 | 01 | None |
| Seal | 460DC350 | ABS1040- 56 | 01 | None |
| Seal | 600-350 | ABS1040- 56 | 01 | None |
| Seal | 630-3-400 | ABS1040-64 | 01 | None |
| Seal | 460DC400 | ABS1040-64 | 01 | None |
| Seal | 600-400 | ABS1040-64 | 01 | None |

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

to ATA Common Support Data Dictionary (CSDD), Chapter 2.

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SERVICE BULLETIN

2. MATERIAL INFORMATION

A . MATERIAL — PRICE AND AVAILABILITY

(1) Material

Refer to LIEBHERR AEROSPACE Vendor Service Bulletin No .1802A-21-03

for new seals part numbers .

(2) Price and Availability

Refer to LIEBHERR AEROSPACE Vendor Service Bulletin No .1802A-21-03

or any approved distributor for price and availability .

B . INDUSTRY SUPPORT INFORMATION

Refer to the Vendor Service Bulletin (VSB) for the industry support

terms .

C . LIST OF COMPONENTS

None

D . LIST OF MATERIALS — OPERATOR SUPPLIED

None

E . PARTS TO BE RE— IDENTIFIED BY THE OPERATOR

None

F . TOOLING — PRICE AND AVAILABILITY

None

G . SPECIAL TOOLS

None

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SERVICE BULLETIN

3. ACCOMPLISHMENT INSTRUCTIONS

A . GENERAL

WARNING : MAKE SURE THAT YOU OBEY ALL THE WARNINGS AND CAUTIONS INCLUDED

IN THE REFERENCED PROCEDURES .

(1) Preparation

(a) Make sure that the aircraft is electrically grounded, (Refer

to AMM 12- 34-24 Page block 201) .

(b) Open, safety and tag the circuit breakers as given in AMM

21- 52-23 Page block 401.

(c) Open access panel 191KB(192KB) to get access to air

conditioning pack 10HM(11HM), (Refer to AMM 53- 35-13 Page

block 401) .

(d) If necessary, remove the reheater for seal replacement, (Refer

to AMM 21- 52- 31 Page block 401) .

(2) Standard Practices

None

B . MODIFICATION

(1) Replace the seals of air conditioning packs .

Refer to LIEBHERR AEROSPACE Vendor Service Bulletin No .1802A-21-03

for seal location .

(a) Replace the seal between pipe assy and bypass valve, (Refer to

AMM 21- 52-23 Page block 401) .

(b) Replace the seals between the main heat exchanger and the air

cycle machine, (Refer to AMM 21- 52-23 Page block 401) .

(c) Replace the seals between the primary heat exchanger and the

air cycle machine, (Refer to AMM 21- 52-24 Page block 401) .

(d) Replace the seals between the water extractor and the

reheater, (Refer to AMM 21- 52- 31 Page block 401) .

(e) Replace the seals between the condenser and the reheater,

(Refer to AMM 21- 52- 31 Page block 401) .

(f) Replace the seals between the main heat exchanger and the

reheater, (Refer to AMM 21- 52- 31 Page block 401) .

(g) If removed, install the reheater, (Refer to AMM 21- 52- 31 Page

block 401) .

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C . TEST

(1) Remove the safety clips and the tags and close the circuit breakers

as given in AMM 21- 52-23 Page block 401.

(2) Do the leak check as given in AMM 21- 52-00 Page block 401.

(3) Do the operational test of the Cockpit and Cabin Temperature

Control with CFDS/MCDU as given in AMM 21-63-00 Page block 501.

D . CLOSE UP

(1) Make sure that the work areas are clean and clear of tools and

other items of equipment .

(2) Close access panel 191KB(192KB), (Refer to AMM 53-35-13 Page block

401) .

E . DOCUMENTATION

Write in the applicable aircraft records that you have done all the work

given in this Service Bulletin .

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SERVICE BULLETIN

REPORTING SHEET

TITLE : AIR CONDITIONING - AIR COOLING SYSTEM - PTFE SEALS FOR AIR CONDITIONING

MODIFICATION No . : 34863K9903

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:

Either: Modification Operational Impact (MOI), if available . . YES/NO

Or : Intermediate revision . . . . . . . . . . . . . . . . . YES/NO

Important Information: This SB will only be incorporated in your maintenance and

operational documentation if this sheet is returned to Airbus and signed by a

duly authorised representative . With the next feasible revision, this will

result in

- updating of maintenance documentation to show pre and post SB data .

- updating of maintenance and operational documentation to show post SB data

after embodiment .

If this SB requires previous or simultaneous accomplishment of other SBs,

Airbus shall automatically include them in the manual revisions . Refer to SIL

00-037 for detailed information .

Please return this completed sheet to:

AIRBUS

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1 Rond Point Maurice Bellonte

31707 BLAGNAC CEDEX FRANCE

Attn: SDC32 Technical Data and Documentation Services

FAX: (+33) 5 61 93 28 06

e -mail: sb . reporting@airbus .com

or via your Resident Customer Support Office .

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

6 DATE : Jun 24/05

REVISION No . : 00 —

SERVICE BULLETIN No . : A320— 21— 1153

Page : 1 of 1

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@ Ac18/Ac16/Ac20/Ac21

SERVICE BULLETIN

QUALITY PERCEPTION FORM

Use this form to tell us what is your perception of the quality of this Service Bulletin . The reported data that you provide us will be used to analyse areas of difficulties and to take corrective action to further improve the quality of our Service Bulletins .

We thank you for the time you have taken in completing this form .

(Please rate on a scale of 1 to 4, with 4 being the highest score)

|  |  |  |  |
| --- | --- | --- | --- |
| - Quality rating of this SB | 4 3 | 2 | 1 |
| - Quality rating of the Accomplishment Instructions | 4 3 | 2 | 1 |
| - Quality rating of the Illustrations | 4 3 | 2 | 1 |
| - Is this SB easy to understand ? | Y / N |  |  |

If you have had difficulties in the accomplishment of this SB please quote below

the area(s) and give a short description of the issue .

Planning

X Effectivity

X Reason

X Manpower

X References

X Publication

Comments :

Material

X Kit content

X List of Materials

Operator Supplied

X Re-identification

X Tooling

Instructions

X Preparation

X Mod/Inspection

X Test

X Close-Up

X Illustrations

Operator :

Date:

Name/Title :

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