@ A319/A320/A321

SERVICE BULLETIN

REVISION TRANSMITTAL SHEET

AIRBUS INDUSTRIE

CUSTOMER SERVICES DIRECTORATE

1 Rond Point Maurice Bellonte

31707 BLAGNAC CEDEX FRANCE

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ATA SYSTEM : 21

TITLE : AIR CONDITIONING - FLOW CONTROL AND INDICATION - INSTALL MODIFIED FLOW

CONTROL VALVE (FCV) PN 1303A0000-03

MODIFICATION No . : 31575K7453

This page transmits Revision No . 01 of Service Bulletin No . A320-21-1134 . ADDITIONAL WORK

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

previous issue .

REASON

This Revision is issued to advise operators that the intermixability has the

same condition as the interchangeability if the sense line has been removed . CHANGES

SUMMARY

— FIGURE

Detail B, TYPICAL added .

PLANNING INFORMATION

— EFFECTIVITY

Para . (1), aircraft model 319-113 deleted .

Para . (2), aircraft MSNs 1278, 1709, 1714, 1737, 1738, 1740, 1742, 1743,

1745 and 1746 deleted .

— INTERCHANGEABILITY/MIXABILITY

MIXABILITY changed to Yes .

In NOTE, Service Bulletin No . A320-21-1131, title (REMOVE A PRESSURE SENSE

LINE FOR FLOW CONTROL VALVE) added .

MATERIAL INFORMATION

— LIST OF COMPONENTS

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REVISION TRANSMITTAL SHEET

In NOTE, Service Bulletin No . A320-21-1131, title (REMOVE A PRESSURE SENSE

LINE FOR FLOW CONTROL VALVE) added .

ACCOMPLISHMENT INSTRUCTIONS

— MODIFICATION

Figure 1 Sheet 1, Detail B, TYPICAL added .

NOTE : Layout changes due to computerization of this revision are not

identified .

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

No previous revisions .

REVISION SEQUENCE

ORIGINAL : Nov 08/01

REVISION No . : 01 — Jan 27/03

DATE : Nov 08/01 SERVICE BULLETIN No . : A320— 21— 1134

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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 - FLOW CONTROL AND INDICATION - INSTALL MODIFIED FLOW

CONTROL VALVE (FCV) PN 1303A0000-03

MODIFICATION No . : 31575K7453

REASON/DESCRIPTION/OPERATIONAL CONSEQUENCES

Operators have reported further failures of the Flow Control Valve (FCV) after

introduction of the FCV 1303A0000-02 . These failures were identified subsequent

to difficulties in starting the air conditioning packs, or "air pack 1 (2)

fault" or "air pack 1 (2) regul fault" ECAM warnings . The fault was cleared by

replacement of the FCV . Operators have also experienced cases where the opposite

pack was set to default high flow .

This Service Bulletin advises operators of the issue of LIEBHERR-AEROSPACE

Service Bulletin No . 1303-21-03 which details the procedure to replace the

existing flow control valves 8HB and 11HB by modified valves . The new, improved

valves incorporate numerous modifications including a new overpressure

limitation clapper .

The accomplishment of this Service Bulletin will improve the reliability of the

Flow Control Valve .

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

EFFECTIVITY

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

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SUMMARY

01Z 53Z AAR ACA AEF AES AFR AIB AIH AJM AMM AMU ANA AUA AWE AZA B2A BAW BES BMA

C3J CBF CES CIB CJG CNW CRX CSC CSN CTN CYP DCS DGA DLH EDW EEZ EIN EWG F2I FFT

FIN G4I GBL GWY HDA IBE IWD JBU JKK KZW LAJ LAN LBT LTE LTU LXR MAU MON MXA NWA

QAF QTR SAB SAS SEU SHJ SLK SSV SYR TAI TAM TAP TAR TAS TWE TWJ UAL USA VIR VLE

WGT

This modification is embodied before delivery on aircraft MSN 1747 and

subsequent .

CONCURRENT REQUIREMENTS

Service Bulletin(s) to be accomplished previously or simultaneously : Service Bulletin No . A320-21-1131 Mod . No . 31332K7283

REFERENCES/REPERCUSSIONS

TFU

OEB

AOT

SIL

LIFE LIMIT

: 21 . 51 . 51 .007

: None

: None

: None

: None

LINE MAINTENANCE AFFECTED : No

OTHERS : None

NATURE OF THE WORK

AIRCRAFT : YES

EQUIPMENT : YES

HARD : NO

SOFT : NO

OBRM : NO

MANPOWER

TOTAL MANHOURS

8 .00

4 .00

ELAPSED TIME (HOURS)

MATERIAL INFORMATION

AIRCRAFT DATA

Flow Control Valves

APPENDICES

None

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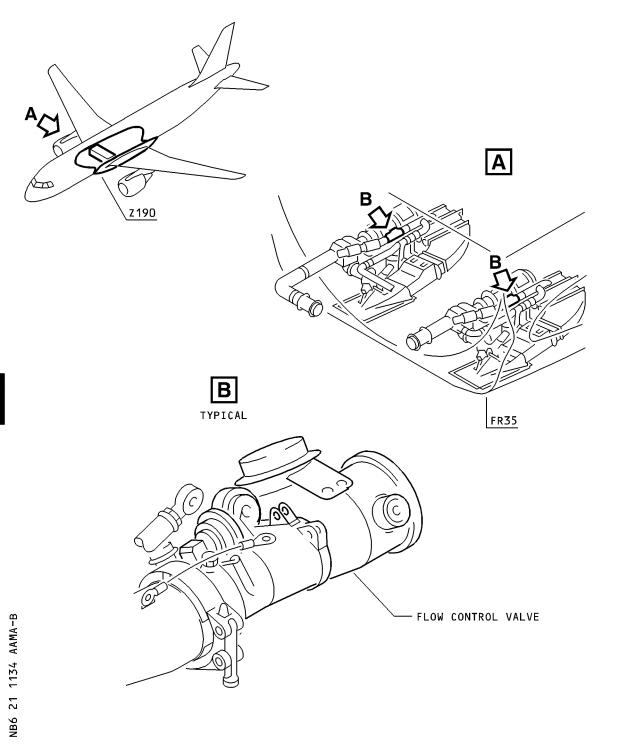
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ATA SYSTEM : 21

TITLE : AIR CONDITIONING - FLOW CONTROL AND INDICATION - INSTALL MODIFIED FLOW

CONTROL VALVE (FCV) PN 1303A0000-03

MODIFICATION No . : 31575K7453

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1. PLANNING INFORMATION

A . EFFECTIVITY

(1) Models

319-111 319-112 319-114 319-115 319-131 319-132 319-133 320-211

320-212 320-214 320-232 320-233 321-111 321-112 321-131 321-211

321-231 321-232

(2) Aircraft

(a) Effectivity by MSN

This Service Bulletin is applicable to aircraft MSN :

0844 0861 0863 0868-0869 0872 0876 0878 0880-1277 1279-1598

1600-1659 1661-1708 1710-1712 1715-1736 1739 1741 1744

NOTE : This modification is embodied before delivery on

aircraft MSN 1747 and subsequent .

(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

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not be reflected in this list unless the Service Bulletin is

revised for another reason .

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| OPERATOR  01Z | MSN  1589 |  |  |  |  |  |  |  |  |  |
| 53Z | 1468 |  |  |  |  |  |  |  |  |  |
| AAR | 1060 | 1293 | 1356 | 1511 | 1636 | 1670 | 1734 |  |  |  |
| ACA | 1562  1718 | 1577  1719 | 1602  1726 | 1611 | 1623 | 1630 | 1632 | 1638 | 1668 | 1673 |
| AEF | 0954  1459 | 0990  1487 | 1004 | 1195 | 1199 | 1218 | 1370 | 1408 | 1421 | 1438 |
| AES | 0892 | 1635 |  |  |  |  |  |  |  |  |
| AFR | 0938 | 0956 | 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 |  |  |  |
| AIB | 1656 | 1727 |  |  |  |  |  |  |  |  |
| AIH | 1238 | 1250 |  |  |  |  |  |  |  |  |
| AJM | 1213 | 1390 | 1503 |  |  |  |  |  |  |  |
| AMM | 1006 | 1017 | 1306 | 1320 | 1571 | 1605 | 1637 | 1720 |  |  |
| AMU | 0908 |  |  |  |  |  |  |  |  |  |
| ANA | 0963 | 1008 | 1042 | 1204 | 1227 |  |  |  |  |  |
| AUA | 0920 | 0935 | 1137 | 1150 | 1189 | 1387 | 1458 | 1478 |  |  |
| AWE | 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 |  |  |  |
| AZA | 0940 | 0951 | 0959 | 0999 | 1138 | 1168 | 1217 | 1220 | 1226 | 1722 |
| B2A | 1429 |  |  |  |  |  |  |  |  |  |
| BAW | 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 |  |  |
| BES | 1256 |  |  |  |  |  |  |  |  |  |
| BMA | 0934 | 0968 | 0974 | 1014 | 1045 | 1153 | 1174 | 1177 | 1183 | 1207 |
|  | 1383 | 1407 | 1418 | 1424 | 1697 | 1732 |  |  |  |  |
| C3J | 0883 | 0914 | 0925 |  |  |  |  |  |  |  |
| CBF | 1596 | 1614 |  |  |  |  |  |  |  |  |
| CES | 1005 | 1028 | 1030 | 1070 | 1072 | 1093 | 1108 | 1285 | 1303 | 1312 |
|  | 1330  1603 | 1357  1639 | 1361 | 1377 | 1386 | 1532 | 1541 | 1542 | 1551 | 1601 |
| CIB | 0884 | 0894 | 0905 | 0957 | 0971 | 1381 | 1402 | 1416 | 1437 |  |

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SERVICE BULLETIN

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| OPERATOR | MSN |  |  |  |  |  |  |  |  |  |
| CJG | 0876 | 0921 | 1296 | 1654 | 1679 |  |  |  |  |  |
| CNW | 0897 | 0909 | 0939 | 0967 | 0984 | 0986 | 1041 | 1316 | 1345 |  |
| CRX | 0891 | 0987 | 1018 | 1144 |  |  |  |  |  |  |
| CSC | 0878 | 0915 | 0919 | 1013 |  |  |  |  |  |  |
| CSN | 0881 | 0895 | 0900 | 0950 | 0966 | 1035 | 1039 | 1057 |  |  |
| CTN | 1009 | 1029 | 1237 | 1252 |  |  |  |  |  |  |
| CYP | 1729 |  |  |  |  |  |  |  |  |  |
| DCS | 1053 |  |  |  |  |  |  |  |  |  |
| DGA | 1485 | 1556 |  |  |  |  |  |  |  |  |
| DLH | 0887  1367 | 0901 | 1080 | 1161 | 1188 | 1214 | 1260 | 1273 | 1337 | 1365 |
| EDW | 0942 | 0947 | 1026 |  |  |  |  |  |  |  |
| EEZ | 1448 | 1457 | 1473 | 1480 | 1489 |  |  |  |  |  |
| EIN | 0926 | 0991 | 1023 | 1094 | 1242 | 1394 | 1443 | 1467 |  |  |
| EWG | 1016 | 1172 |  |  |  |  |  |  |  |  |
| F2I | 1012  1305 | 1054  1336 | 1068  1364 | 1081  1388 | 1102 | 1124 | 1145 | 1160 | 1184 | 1283 |
| FFT | 1488 | 1515 | 1560 | 1579 | 1583 | 1684 |  |  |  |  |
| FIN | 0941 | 0961 | 1073 | 1107 | 1185 | 1241 | 1309 | 1352 | 1405 | 1470 |
|  | 1544 | 1588 | 1678 | 1712 | 1735 |  |  |  |  |  |
| G4I | 1002 | 1157 |  |  |  |  |  |  |  |  |
| GBL | 1215 | 1428 | 1433 | 1687 | 1715 | 1723 |  |  |  |  |
| GWY | 1564 | 1615 | 1725 |  |  |  |  |  |  |  |
| HDA | 0930 | 0993 | 1024 | 1253 | 1695 | 1721 |  |  |  |  |
| IBE | 0992 | 0994 | 1021 | 1027 | 1047 | 1059 | 1063 | 1067 | 1087 | 1099 |
|  | 1101 | 1119 | 1154 | 1180 | 1200 | 1208 | 1221 | 1229 | 1247 | 1255 |
|  | 1262 | 1288 | 1292 | 1318 | 1347 | 1362 | 1379 | 1396 | 1430 | 1454 |
|  | 1461  1681 | 1484  1694 | 1516  1716 | 1530  1736 | 1540 | 1550 | 1554 | 1572 | 1655 | 1674 |
| IWD | 0888 | 1578 | 1597 | 1657 |  |  |  |  |  |  |
| JBU | 1123 | 1156 | 1173 | 1235 | 1240 | 1257 | 1270 | 1280 | 1302 | 1327 |
|  | 1398  1650 | 1446  1652 | 1452  1705 | 1464  1739 | 1506 | 1528 | 1546 | 1557 | 1591 | 1610 |
| JKK | 1276 | 1333 | 1349 | 1366 | 1497 | 1631 | 1682 |  |  |  |
| KZW | 1048 | 1086 |  |  |  |  |  |  |  |  |
| LAJ | 1194 | 1690 | 1711 |  |  |  |  |  |  |  |
| LAN | 1304 | 1332 | 1351 | 1355 | 1491 | 1512 | 1526 | 1548 | 1568 | 1626 |
| LBT | 1121 | 1175 | 1744 |  |  |  |  |  |  |  |
| LTE | 1717 |  |  |  |  |  |  |  |  |  |
| LTU | 1385 | 1441 | 1493 | 1504 | 1553 | 1629 |  |  |  |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| OPERATOR | MSN |  |  |  |  |  |  |  |  |  |
| LXR | 1439 | 1450 | 1494 | 1667 |  |  |  |  |  |  |
| MAU | 1592 |  |  |  |  |  |  |  |  |  |
| MON | 0983 | 1015 | 1202 | 1707 |  |  |  |  |  |  |
| MXA | 1612 | 1618 | 1625 | 1634 | 1706 |  |  |  |  |  |
| NWA | 0903 | 0907 | 0911 | 0923 | 0962 | 0964 | 0981 | 0988 | 0996 | 1011 |
|  | 1037 | 1058 | 1062 | 1071 | 1078 | 1090 | 1091 | 1126 | 1129 | 1131 |
|  | 1149 | 1164 | 1167 | 1186 | 1191 | 1230 | 1249 | 1324 | 1325 | 1346 |
|  | 1392 | 1414 | 1434 | 1453 | 1456 | 1483 | 1498 | 1501 | 1520 | 1535 |
|  | 1543  1683 | 1549  1685 | 1567  1693 | 1570 | 1582 | 1633 | 1641 | 1646 | 1659 | 1662 |
| QAF | 0927 | 1335 |  |  |  |  |  |  |  |  |
| QTR | 0928 | 0932 | 0943 | 0977 | 1566 | 1648 |  |  |  |  |
| SAB | 0970 | 0995 |  |  |  |  |  |  |  |  |
| SAS | 1587 | 1619 | 1642 | 1675 |  |  |  |  |  |  |
| SEU | 0973 | 1692 |  |  |  |  |  |  |  |  |
| SHJ | 0910 |  |  |  |  |  |  |  |  |  |
| SLK | 0872 | 0899 | 0969 | 1074 | 1098 | 1228 | 1422 | 1561 | 1698 |  |
| SSV | 1411 | 1598 | 1686 |  |  |  |  |  |  |  |
| SYR | 0886 | 0918 | 1032 | 1076 | 1085 | 1117 |  |  |  |  |
| TAI | 0902 | 0912 | 0916 | 1007 | 1066 | 1113 | 1140 | 1159 | 1300 | 1334 |
|  | 1339  1676 | 1353  1730 | 1374 | 1400 | 1482 | 1500 | 1509 | 1523 | 1575 | 1624 |
| TAM | 0976 | 1010 | 1092 | 1096 | 1103 | 1139 | 1143 | 1158 | 1246 | 1251 |
|  | 1368  1663 | 1376  1672 | 1486  1703 | 1518 | 1580 | 1593 | 1595 | 1608 | 1613 | 1628 |
| TAP | 0906 | 0917 | 0933 | 0945 | 0960 | 0979 | 0982 | 1034 | 1100 | 1106 |
|  | 1120 | 1127 | 1165 | 1181 | 1206 | 1231 | 1307 | 1399 |  |  |
| TAR | 0869 | 0880 | 0958 | 0975 | 1187 | 1479 | 1700 |  |  |  |
| TAS | 0937 | 1372 | 1413 |  |  |  |  |  |  |  |
| TWE | 1130 |  |  |  |  |  |  |  |  |  |
| TWJ | 0913 |  |  |  |  |  |  |  |  |  |
| UAL | 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 | 1741 |  |  |  |

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|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| OPERATOR | MSN |  |  |  |  |  |  |  |  |  |
| 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 | 1136 | 1141 |
|  | 1147 | 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 |  |  |
| VIR | 0978 | 1219 | 1233 |  |  |  |  |  |  |  |
| VLE | 1125  1451 | 1132  1607 | 1152 | 1162 | 1179 | 1198 | 1244 | 1259 | 1308 | 1322 |
| WGT | 1212 |  |  |  |  |  |  |  |  |  |

(c) Effectivity by MSN and Kit/Configuration

No AIRBUS kit is required for the accomplishment of this

Service Bulletin .

(3) Spares

None

B . CONCURRENT REQUIREMENTS

Service Bulletin(s) to be accomplished previously or simultaneously : Service Bulletin No . A320-21-1131 Mod . No . 31332K7283

C . REASON

(1) History

Operators have reported further failures of the Flow Control Valve

(FCV) after introduction of the FCV 1303A0000-02 . These failures

were identified subsequent to difficulties in starting the air

conditioning packs, or "air pack 1 (2) fault" or "air pack 1 (2)

regul fault" ECAM warnings . The fault was cleared by replacement of

the FCV . Operators have also experienced cases where the opposite

pack was set to default high flow .

(2) Objective/Action

This Service Bulletin advises operators of the issue of

LIEBHERR-AEROSPACE Service Bulletin No . 1303-21-03 which details

the procedure to replace the existing flow control valves 8HB and

11HB by modified valves . The new, improved valves incorporate

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numerous modifications including a new overpressure limitation

clapper .

(3) Advantages

The accomplishment of this Service Bulletin will improve the

reliability of the Flow Control Valve .

(4) Operational/Maintenance Consequences

None

D . DESCRIPTION

To accomplish this Service Bulletin it is necessary to :

(1) Remove/Install the Flow Control Valves (FCV) 8HB and 11HB .

E . COMPLIANCE

(1) Classification

Recommended

(2) Accomplishment Timescale

Accomplishment of this Service Bulletin is recommended at the

earliest opportunity where manpower and facilities are available .

F . APPROVAL

The technical content of this Service Bulletin has been approved under

the authority of the DGAC Design Organisation Approval No . F .JA .02 .

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

1 . 50

3 . 50

1 . 50

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Close-up

1 . 50

8 .00

4 .00

TOTAL MANHOURS

ELAPSED TIME (HOURS)

H . WEIGHT AND BALANCE

Not changed

I . ELECTRICAL LOAD DATA

Not changed

J . REFERENCES

: 12-33-21 12-34-24 21- 51- 51

Aircraft Maintenance Manual (AMM)

53-35-13

: 1303-21-03

LIEBHERR AEROSPACE SB

Service Bulletin (SB)

: A320-21-1131

K . PUBLICATIONS AFFECTED

Aircraft Maintenance Manual (AMM)

: 21- 51- 51

: 21- 51-03 21- 51- 51

Illustrated Parts Catalog (IPC)

L . INTERCHANGEABILITY/MIXABILITY

DESCRIPTION OLD PART No . NEW PART No . INT MIXABILITY

flow cont . valve 1303A0000-02 1303A0000-03 02 Yes

NOTE : The interchangeability code and mixability are only applicable if

Service Bulletin No . A320-21-1131 (REMOVE A PRESSURE SENSE LINE

FOR FLOW CONTROL VALVE) is accomplished .

NOTE : For the definitions of interchangeability codes in the column

INT . refer to ATA 200 Chapter 1A-2 .

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SERVICE BULLETIN

2. MATERIAL INFORMATION

A . MATERIAL — PRICE AND AVAILABILITY

(1) Material

Modification of removed equipment should be negotiated directly with LIEBHERR-AEROSPACE TOULOUSE as per instructions given in Service Bulletin No . 1303-21-03 .

(2) Price and Availability

Refer to the vendor Service Bulletin No . 1303-21-03 for the

equipment modification sales terms .

B . INDUSTRY SUPPORT INFORMATION

None

C . LIST OF COMPONENTS

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

1 1303A0000-03 2 FCV (1) 1303A0000-02 02

NOTE : The interchangeability code is only applicable if Service

Bulletin No . A320-21-1131 (REMOVE A PRESSURE SENSE LINE FOR FLOW

CONTROL VALVE) is accomplished .

NOTE : For the definitions of interchangeability codes in the column

INT . refer to ATA 200 Chapter 1A-2 .

D . LIST OF MATERIALS — OPERATOR SUPPLIED

To accomplish this Service Bulletin it is necessary to use the

expendable parts listed in the AMM 21- 51- 51 Page block 401.

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 .

WARNING : MAKE SURE THAT AIR IS NOT SUPPLIED TO THE AIR CONDITIONING SYSTEM FROM THE MAIN ENGINE, THE APU OR A GROUND SOURCE .

HOT COMPRESSED AIR CAN CAUSE INJURY TO PERSONNEL .

(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, refer to AMM

21- 51- 51 Page block 401.

(c) Remove the access panels 191BB, 191KB and 192KB, refer to AMM

53- 35-13 Page block 401.

(2) Standard Practices

None

B . MODIFICATION

(1) Removal/Installation of the Flow Control Vale (FCV) 8HB and 11HB .

(a) Remove, refer to AMM 21- 51- 51 Page block 401 :

2 FCV 1303A0000-02 Item (1)

(b) Modify the FCVs, refer to LIEBHERR AEROSPACE Service Bulletin

No . 1303-21-03 .

(c) Install, refer to AMM 21- 51- 51 Page block 401 :

2 FCV 1303A0000-03 Item 1

C . TEST

(1) Close the circuit breakers, refer to AMM 21- 51- 51 Page block 401.

(2) Do the pre-conditioning through the HP ground connection or with

the APU, refer to AMM 12- 33-21 Page block 201.

(3) Do a leak check of the pack flow control valve and sense line

connections .

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D . CLOSE UP

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

other items of equipment .

(2) Install the access panels 191KB, 191BB and 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

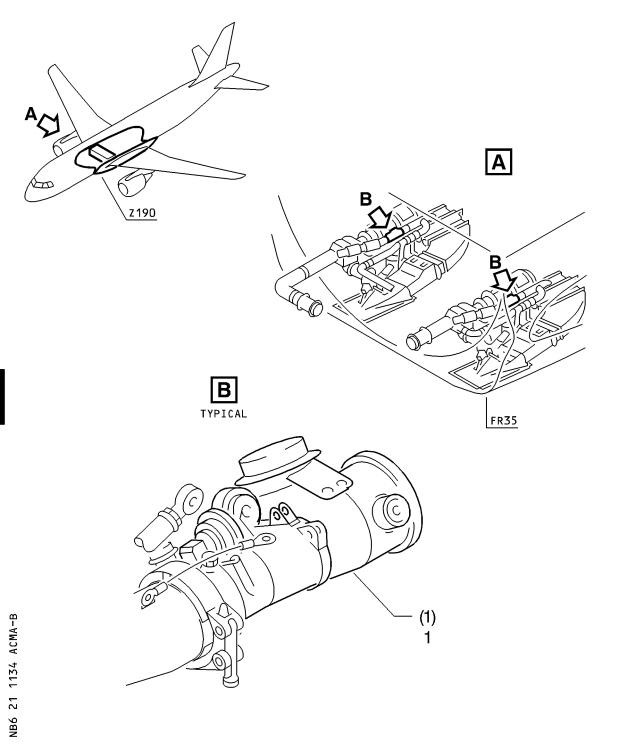


Figure 1 Sheet 1

Removal/Installation of the Flow Control Valves 8HB and 11HB

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SERVICE BULLETIN

REPORTING SHEET

TITLE : AIR CONDITIONING - FLOW CONTROL AND INDICATION - INSTALL MODIFIED FLOW

CONTROL VALVE (FCV) PN 1303A0000-03

MODIFICATION No . : 31575K7453

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: Advance Data . . . . . . . . . . . . . . . . . . . . . YES/NO

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

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

operational documentation if this sheet is returned to Airbus Industrie 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

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

00-037 for detailed information .

Please return this completed sheet to:

AIRBUS INDUSTRIE

CUSTOMER SERVICES DIRECTORATE

1 Rond Point Maurice Bellonte

31707 BLAGNAC CEDEX FRANCE

Attn: AI/SE-D32 Technical Data and Documentation Services

FAX: (+33) 5 61 93 28 06

or via your Resident Customer Support Office .

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

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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 :

Please return this form to :

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