

SERVICE BULLETIN
REVISION TRANSMITTAL SHEET

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 CONDITIONNING - DISTRIBUTION - INSTALL PALL IMPROVED
CARTRIDGE FILTER ELEMENT FOR SA AVIONICS FILTER SYSTEM**

MODIFICATION No.: 27038P5162 37526P9966

This page transmits Revision No.02 of Service Bulletin No.A320-21-1169

ADDITIONAL WORK

****CONF ALL**

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

REASON

Revision No. 02 issued to update the sentence for the Price and Availability paragraph.

CHANGES

Revised text and lay-out changes due to the computerization of this revision are not identified.

FILLING 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**REVISION SEQUENCE**

ORIGINAL: Apr 20/07

REVISION No. : 02 - Jul 25/08

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SERVICE BULLETIN
SUMMARY

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This summary is for information only and is not approved for modification of the aircraft.

ATA SYSTEM: 21

**TITLE: AIR CONDITIONNING - DISTRIBUTION - INSTALL PALL IMPROVED
CARTRIDGE FILTER ELEMENT FOR SA AVIONICS FILTER SYSTEM**

****CONF ALL**

MODIFICATIONS

MODIFICATION CLASSIFICATION					
MAJOR	None				
MINOR	27038P5162	37526P9966			

NOTE: As per EASA IR 21, a minor change is one that has no appreciable effect on the mass, balance, structural strength, reliability, operational characteristics affecting the airworthiness of the product. All other changes are major changes.

REASON/DESCRIPTION/OPERATIONAL CONSEQUENCES

This Service Bulletin is issued further to an operator's request.

This Service Bulletin installs an improved cartridge filter element in the avionics ventilation air filter system in order to reduce the maintenance costs.

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

GENERAL EVALUATION

EVALUATION TABLE			
COMPLIANCE	OPTIONAL	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	NO

SERVICE BULLETIN
SUMMARY**MATERIAL PRICE INFORMATION******CONF 001**

MATERIAL PRICE INFORMATION TABLE				
TYPE	MATERIAL	QUANTITY PER A/C	PRICE PER A/C (USD)	MAINPARTS
BFE	Equipment BFEA01	See SB	See SB	Filter

****CONF 002**

MATERIAL PRICE INFORMATION TABLE				
TYPE	MATERIAL	QUANTITY PER A/C	PRICE PER A/C (USD)	MAINPARTS
BFE	Equipment BFEA02	See SB	See SB	Filter

EFFECTIVITY****CONF ALL**

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

06Y	17W	31V	39Z	47W	78X	AAF	AAN	AAR	ABQ	ACA	ACI	ADR
AEE	AFL	AFQ	AFR	AHY	AIJ	AJM	ALK	AMC	AMU	ANA	ARG	AUA
AZA	BAB	BAW	BER	BGH	BIE	BMA	BMM	BRS	BST	BTM	BWG	CCA
CCM	CEB	CEF	CES	CIB	CLA	CLI	CQH	CQN	CSA	CSC	CSN	CSZ
CTN	DAT	DER	DKH	DLH	DNJ	EDW	EEZ	ETD	EZY	F2I	FCA	FFT
FHY	FIN	G4I	GFA	GOW	GWI	GWY	GXL	HDA	HEJ	HVN	IAC	IBE
IGO	INX	IRM	ISR	ISS	IWD	JAV	JBU	JCS	JET	JKK	JST	JZR
KBR	KGL	KKK	KNE	KYV	KZR	LAN	LBT	LFO	LTC	LTE	LTU	LVG
MDL	MLD	MNJ	MON	MPD	MSC	MSR	MXA	MYW	NWA	OHY	P2G	PAL
QAF	QTR	RJA	RNV	RZO	SAS	SBI	SDM	SFJ	SHY	SKB	SLK	SSV
SVR	SVW	SWR	TAE	TAI	TAM	TAP	TAR	TAS	TCW	TCX	TGW	THY
TNA	UAL	UDC	UEA	USA	VBW	VIM	VKG	VLE	VLG	VLK	VOI	VRD
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
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**SERVICE BULLETIN
SUMMARY**

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CONCURRENT REQUIREMENTS

For MSN 0002-0008 0010 0012-0014 0016-0017 0019-0021 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 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 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

Accomplishment of this Service Bulletin requires the prior or simultaneous accomplishment of the following Service Bulletin(s):

Service Bulletin No. A320-21-1087

For MSN 0364 0385 0513-0516 0532-0533 0535 0539 0541 0545-0546 0548 0552-0553 0559 0562
0566 0568 0570-0574 0576-0578 0581-0583 0585-0597 0599 0601 0603 0605 0607 0609-0613
0616-0617 0619 0621 0623 0627 0629 0634-0636 0638-0639 0641-0643 0645 0648-0652 0655-0656
0659 0661 0664 0667 0670-0673 0678-0679 0681-0683 0686 0688-0705 0709-0713 0717-0723
0727-0729 0731-0732 0734 0736 0738 0740 0742 0744 0746 0748 0750-0752 0755-0757 0759 0763
0765-0769 0773-0774 0776 0778-0780 0782-0788 0790-0793 0797-0798 0800-0802 0804 0807 0809
0811-0813 0816-0822 0824-0827 0829-0834 0836-0837 0840 0842-0851 0853 0857-0863 0865
0867-0873 0875-0877 0880-0882 0884-0885 0887 0890-0891 0893-0896 0898-0901 0903-0907 0911
0917 0920-0923 0929-0930 0933 0935-0937 0940-0942 0944-0952 0954-0955 0957-0966 0969-0972
0975-0976 0979-0982 0987-0990 0992-0997 0999 1001-1002 1004 1007-1012 1018-1019 1021-1022
1024 1026-1031 1033-1035 1037-1040 1042 1044 1046-1048 1051-1052 1054-1055 1057-1059
1061-1063 1065-1071 1073-1074 1077-1078 1080-1082 1084 1086-1087 1089-1092 1095-1107 1109
1112-1115 1118-1120 1122-1129 1131-1132 1134-1150 1152 1154-1165 1167-1168 1170-1171 1173
1179-1182 1184-1185 1187-1189 1191-1193 1195 1197-1200 1203-1206 1208-1211 1214-1215

SERVICE BULLETIN
SUMMARY

1217-1218 1220-1222 1224-1232 1235-1237 1239-1241 1243-1249 1251-1255 1257-1266 1268-1270
1272-1273 1275-1277 1279-1280 1282-1283 1285-1292 1294-1298 1300-1315 1317-1322 1324-1334
1336-1343 1346-1349 1351-1355 1357-1372 1376-1389 1391-1393 1396 1398-1403 1405 1407-1409
1412-1414 1416-1418 1420-1442 1445-1448 1450-1462 1464-1466 1469-1470 1472-1475 1477-1484
1486-1489 1491-1501 1504 1506-1523 1525-1526 1528-1533 1535-1546 1548-1551 1553-1555
1557-1562 1564 1566-1575 1577-1588 1590-1591 1593-1598 1600-1601 1603-1610 1612-1615
1617-1620 1624-1631 1633-1634 1636-1637 1639 1641-1642 1646-1655 1657 1659-1676 1678-1690
1692-1698 1700-1706 1708-1709 1711-1716 1718 1720-1725 1728 1730-1732 1734-1743 1745-1746
1749-1750 1752-1757 1759-1762 1765-1767 1769-1771 1773-1774 1776-1779 1781-1782 1784-1789
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1858 1860-1863 1865-1872 1875-1877 1881-1884 1886-1891 1895-1899 1901 1903-1904 1906-1907
1910-1911 1913-1918 1920-1923 1925 1927-1929 1931-1934 1937 1939 1941-1943 1946 1948
1951-1952 1954 1957-1961 1963-1965 1968-1969 1972-1976 1978-1984 1987 1989-1991 1993-1995
1997-1998 2001-2003 2005-2006 2009-2014 2017 2019-2022 2024 2026-2028 2030-2031 2033-2045
2047 2049-2054 2056-2076 2078-2084 2086-2089 2091-2107 2109-2110 2113-2122 2124-2127 2129
2131-2134 2136-2138 2140-2144 2146-2147 2149-2152 2154-2155 2157 2159-2163 2168 2170-2171
2174 2176-2184 2186-2190 2194-2196 2198-2199 2201 2204 2208-2210 2212-2215 2218-2231
2233-2236 2238-2249 2251-2253 2258-2260 2262-2266 2270-2271 2274 2276 2279-2280 2282-2284
2286-2291 2295 2300-2301 2304-2305 2307 2311 2314 2317-2321 2323-2325 2327-2328 2330-2333
2336-2337 2339-2342 2344 2347 2350-2353 2357-2358 2360 2363 2365 2367-2370 2373 2377-2378
2380-2382 2384-2387 2389-2392 2394 2397-2398 2400 2402 2406 2412 2415-2416 2419-2420 2425
2427-2429 2434 2436-2437 2439-2442 2444 2446-2451 2456 2459-2466 2471-2472 2474 2477-2479
2481 2483 2488-2489 2491-2495 2497-2498 2503-2504 2507 2512-2514 2517-2518 2520-2521 2523
2527-2528 2530 2535-2536 2538 2544 2547-2548 2552-2553 2556-2557 2561-2563 2565 2568-2569
2572 2575 2577-2578 2580-2582 2584-2586 2589 2591-2592 2599 2601 2605-2606 2609-2611
2616-2618 2620 2625-2627 2636 2638 2640-2641 2644 2646-2647 2652-2653 2657-2658 2661-2662
2665-2666 2671-2672 2674 2677 2681-2682 2684 2686-2687 2691 2694-2695 2697 2700 2702 2705
2707 2709-2710 2713 2715-2716 2719-2721 2724-2729 2733-2735 2737 2740-2742 2744-2746
2750-2751 2754-2755 2758-2759 2763 2765 2767-2769 2771 2773 2775 2777-2783 2786 2789-2792
2795 2799-2804 2806 2808-2809 2811-2812 2814 2818 2821-2823 2827 2829-2832 2836 2838
2840-2841 2844 2848-2852 2854 2857 2859-2860 2862-2863 2866 2868 2871 2873 2875-2876 2880
2882-2884 2888 2891 2895-2896 2900 2903-2906 2909-2912 2917-2918 2920 2923-2924 2928
2934-2937 2941 2943 2945-2947 2951-2952 2957-2959 2965-2967 2970-2973 2977 2979-2982
2984-2985 2990 2992-2994 2998-2999 3002-3004 3009-3010 3015-3016 3025 3028-3029 3031 3033
3035-3039 3041-3043 3045-3053 3056-3061 3063 3065-3072 3074-3075 3077 3081-3082 3084-3086
3088 3090-3092 3094 3096-3101 3103-3104 3106 3110-3113 3118-3119 3122-3123 3125-3126
3130-3132 3134-3135 3137 3146-3150 3153 3155-3160 3163 3167 3170 3175-3176 3180-3181
3184-3185 3189-3192 3196-3197 3204 3206-3208 3210-3212 3222 3227-3231 3233-3235 3239-3240
3244 3247-3249 3253-3254 3256 3259 3262-3263 3266-3268 3271-3272 3274-3276 3278-3279
3281-3288 3290 3292 3294 3296-3298 3300 3304-3306 3308 3312-3313 3323 3325 3334-3336
3348-3349 3357 3363 3366 3368-3369 3372-3374 3378 3381 3383 3386 3389 3391 3397 3399
3401 3406 3410-3411 3413-3414 3416 3418-3420 3426 3431-3433 3435-3437 3440-3442 3449-3453
3456-3457 3463 3466 3470-3472 3479 3483 3485 3487-3488 3491 3496-3497 3508 3510-3511 3514
3517 3528 3537-3538 3540-3541 3544-3545 3554-3555 3559 3565 3569 3571-3572 3574 3577 3581
3590 3593-3594 3596-3597 3599 3608 3611-3612 3616 3618 3622 3631 3634 3636 3639

Accomplishment of this Service Bulletin requires the prior or simultaneous accomplishment of the following Service Bulletin(s):

Service Bulletin No. None

SERVICE BULLETIN
SUMMARY**REFERENCES / REPERCUSSIONS**

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

NATURE OF THE WORK

AIRCRAFT	NO
EQUIPMENT	YES
HARD	NO
SOFT	NO
OBRM	NO

MANPOWER****CONF 001**

Task 211169-831-801-001: MODIFICATION	
TOTAL MANHOURS	1.50
ELAPSED TIME (HOURS)	1.5

****CONF 002**

Task 211169-831-801-001: MODIFICATION	
TOTAL MANHOURS	1.50
ELAPSED TIME (HOURS)	1.5

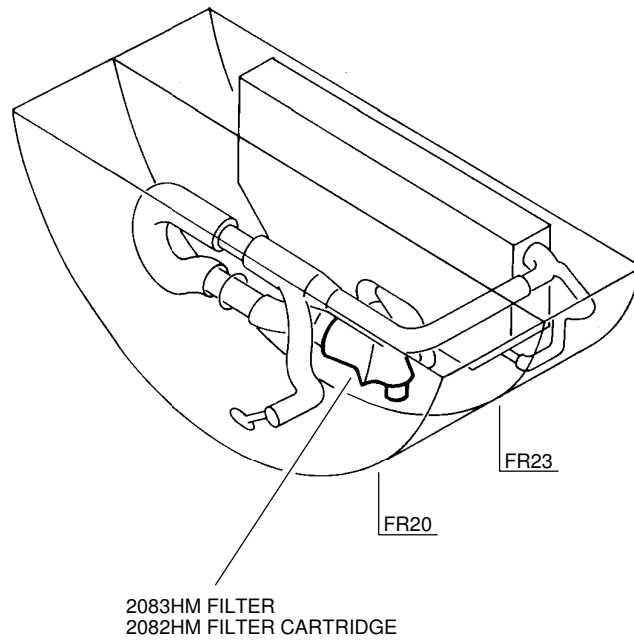
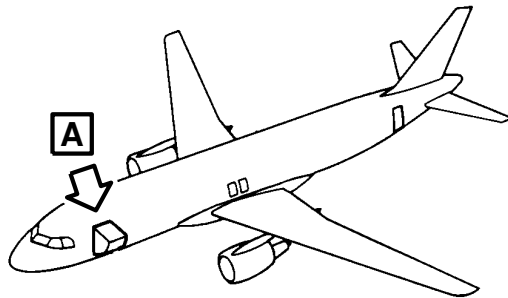
APPENDICES****CONF ALL**

None

A318/A319/A320/A321

SERVICE BULLETIN SUMMARY

****CONF ALL**



A

N_SB_211169_5_SUAA_01_00

Figure A-FSUAA - Sheet 01

AIRBUS
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MODIFICATION No.: 27038P5162 37526P9966

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1. PLANNING INFORMATION

****CONF ALL**

A. EFFECTIVITY

(1) Models

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

(2) Effectivity by MSN

0002-0008 0010 0012-0014 0016-0017 0019-0021 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 0317-0373 0375
0377-0385 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 0500-0524 0526-0535 0537-0539 0541 0543-0546 0548-0550
0552-0555 0557 0559-0560 0562-0568 0570-0601 0603-0619 0621-0623 0625 0627
0629 0634-0645 0647-0652 0655-0656 0658-0661 0663-0665 0667-0673 0676-0683
0685-0705 0709-0723 0725 0727-0732 0734-0736 0738 0740 0742 0744 0746 0748
0750-0752 0755-0759 0761-0774 0776-0788 0790-0793 0796-0804 0806-0807
0809-0814 0816-0822 0824-0837 0840 0842-0853 0855-0873 0875-0877 0879-0885
0887-0891 0893-0896 0898-0901 0903-0907 0911 0914 0917 0920-0925 0927
0929-0931 0933-0938 0940-0942 0944-0966 0968-0972 0974-0976 0978-0983 0985
0987-0990 0992-1012 1014-1015 1017-1022 1024-1031 1033-1040 1042-1052

1054-1059 1061-1075 1077-1084 1086-1093 1095-1116 1118-1171 1173-1185
1187-1193 1195-1211 1214-1241 1243-1255 1257-1277 1279-1292 1294-1315
1317-1344 1346-1355 1357-1373 1375-1389 1391-1393 1395-1442 1444-1466
1469-1484 1486-1502 1504-1555 1557-1591 1593-1598 1600-1601 1603-1610
1612-1622 1624-1631 1633-1634 1636-1637 1639-1718 1720-1725 1728 1730-1746
1749-1750 1752-1757 1759-1767 1769-1771 1773-1782 1784-1789 1791-1793
1795-1810 1812 1814-1821 1823-1829 1831-1833 1835-1849 1851-1855 1858-1863
1865-1873 1875-1877 1879 1881-1891 1894-1901 1903-1904 1906-1907 1910-1911
1913-1918 1920-1925 1927-1929 1931-1935 1937-1939 1941-1943 1946 1948-1949
1951-1952 1954 1957-1961 1963-1965 1968-1969 1972-1976 1978-1984 1987
1989-1991 1993-1995 1997-1998 2001-2003 2005-2006 2009-2014 2017 2019-2022
2024 2026-2028 2030-2031 2033-2045 2047 2049-2054 2056-2076 2078-2084
2086-2089 2091-2110 2113-2122 2124-2129 2131-2134 2136-2138 2140-2144
2146-2147 2149-2152 2154-2155 2157 2159-2163 2165 2168 2170-2171 2174-2184
2186-2190 2193-2196 2198-2199 2201 2204 2208-2210 2212-2215 2218-2231
2233-2236 2238-2249 2251-2253 2258-2260 2262-2266 2270-2271 2274 2276
2279-2280 2282-2284 2286-2291 2295 2300-2302 2304-2305 2307 2311-2312 2314
2317-2321 2323-2325 2327-2328 2330-2333 2336-2337 2339-2342 2344 2347
2350-2353 2357-2360 2363 2365 2367-2370 2372-2373 2377-2378 2380-2382
2384-2387 2389-2394 2397-2398 2400 2402 2405-2406 2412 2415-2417 2419-2420
2422 2425 2427-2430 2434 2436-2437 2439-2442 2444-2451 2456 2458-2466
2471-2472 2474 2477-2479 2481-2483 2488-2489 2491-2495 2497-2498 2503-2504
2507 2512-2514 2517-2518 2520-2521 2523 2527-2528 2530 2535-2536 2538 2544
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2580-2582 2584-2586 2589 2591-2592 2595 2599 2601-2602 2605-2606 2609-2611
2613 2615-2618 2620 2625-2627 2630 2636 2638 2640-2641 2644 2646-2647
2652-2653 2657-2658 2661-2662 2665-2666 2669 2671-2672 2674 2677 2681-2682
2684 2686-2687 2690-2691 2694-2695 2697 2700 2702 2705 2707 2709-2710 2713
2715-2716 2719-2721 2724-2729 2733-2735 2737 2740-2742 2744-2746 2750-2751
2754-2755 2758-2759 2763 2765 2767-2769 2771 2773 2775 2777-2783 2786
2789-2792 2795 2799-2804 2806 2808-2809 2811-2812 2814 2818 2821-2823 2827
2829-2832 2836 2838 2840-2841 2844 2848-2852 2854 2857 2859-2860 2862-2863
2866 2868 2871 2873 2875-2876 2879-2880 2882-2884 2888 2891 2895-2896 2900
2903-2906 2909-2913 2917-2918 2920 2923-2924 2928 2934-2937 2941 2943
2945-2947 2951-2952 2957-2959 2965-2967 2970-2973 2975 2977 2979-2982
2984-2985 2990 2992-2994 2998-2999 3002-3004 3009-3010 3015-3016 3025
3027-3029 3031-3033 3035-3039 3041-3043 3045-3053 3056-3061 3063 3065-3072
3074-3075 3077 3081-3082 3084-3086 3088 3090-3092 3094 3096-3101 3103-3104
3106 3110-3113 3118-3119 3122-3123 3125-3126 3130-3132 3134-3135 3137
3146-3150 3153 3155-3160 3163 3167 3170 3175-3176 3180-3181 3184-3185
3189-3192 3196-3197 3204 3206-3208 3210-3212 3222 3227-3231 3233-3235
3239-3240 3244 3247-3249 3253-3254 3256 3259 3262-3263 3266-3268 3271-3272
3274-3276 3278-3279 3281-3288 3290 3292 3294 3296-3298 3300 3304-3306 3308
3312-3313 3323 3325 3334-3336 3348-3349 3357 3363 3366 3368-3369 3372-3374
3378 3381 3383 3386 3389 3391 3397 3399 3401 3406 3410-3411 3413-3414 3416
3418-3420 3426 3431-3433 3435-3437 3440-3442 3449-3453 3456-3457 3463 3466
3470-3472 3479 3483 3485 3487-3488 3491 3496-3497 3508 3510-3511 3514 3517
3528 3537-3538 3540-3541 3544-3545 3554-3555 3559 3565 3569 3571-3572 3574
3577 3581 3590 3593-3594 3596-3597 3599 3608 3611-3612 3616 3618 3622 3631
3634 3636 3639

(3) Effectivity by Operator

The Operator/MSN relationship is provided for information only and is correct at the time of issue in accordance with the information available to AIRBUS. Any future changes resulting from transfer of an aircraft from one operator to another will not be reflected in this list unless the Service Bulletin is revised for another reason.

OPERATOR	MSN
06Y	0345
17W	3046
31V	0006 0017
39Z	0956
47W	0764
78X	0148
AAF	0244 0639 0888 1006 1451 1846
AAN	0430
AAR	0802 1227 1511 1636 1670 1734 2041 2045 2110 2226 2247 2290 2397 2459 2808 2840 2943 3244 3297 3437 3483 3496
ABQ	0394 0443 1008 1199 1218
ACA	0059 0068 0073 0084 0122 0126 0127 0141 0149 0150 0154 0159 0174 0175 0183 0210 0231 0232 0233 0242 0248 0253 0254 0255 0265 0277 0284 0290 0309 0324 0330 0341 0378 0403 0404 0546 0572 0634 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
ACI	2152
ADR	0043 0113 0114
AEE	3033 3066 3074
AFL	2052 2069 2072 2091 2093 2106 2116 2133 2144 2151 2163 2179 2222 2233 2243 2330 2337 2342 2875 2903 2912 2920 2947 2957 2965 3052 3063 3157 3191 3267 3281 3298 3334 3336 3373 3410 3511 3545 3574 3631
AFQ	2440
AFR	0002 0003 0004 0005 0007 0010 0012 0013 0014 0016 0019 0020 0021 0036 0044 0061 0062 0063 0100 0101 0102 0108 0115 0128 0129 0130 0131 0133 0144 0145 0155 0156 0184 0186 0187 0188 0214 0226 0227 0228 0235 0236 0237 0239 0270 0278 0285 0286 0287 0337 0352 0377 0491 0498 0509 0521 0529 0544 0598 0600 0608 0618 0625 0637 0777 0796 0938 0985 0998 1000 1020 1025 1036 1133 1151 1169 1176 1190 1201 1216 1267 1271 1299 1344 1404 1415 1444 1449 1471 1476 1502 1505 1524 1616 1622 1640 1645 1658 1677 1691 1699 1733 1859 1873 1879 1885 1894 1900 1924 1938 1949 2035 2059 2071 2081 2100 2109 2140 2213 2228 2279 2317 2344 2350 2456 2582 2601 2686 2705 2716 2721 2750 2918 2951 2967 2972 3009 3051 3065 3098 3372 3399 3401 3419 3420 3441 3470
AHY	0331
AIJ	1132 1162 1179 1244 1259 1308 1322 3149 3160 3286 3312 3508 3514
AJM	0422

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SERVICE BULLETIN

OPERATOR	MSN
ALK	0164 0169
AMC	2113 2122 2142 2186 2189 2291 2332 2382 2665 2768 3056 3068
AMU	0557 0597
ANA	0139 0151 0167 0170 0196 0212 0219 0245 0300 0328 0365 0383 0413 0482 0501 0507 0531 0534 0549 0554 0658 0669 0685 1973 2054 2061 2998 3099 3147 3148 3189
ARG	0420 0436
AUA	0552 0570 0581 0768 0776 0797 0920 0935 1137 1150 1189 1387 1458 1478 2131 2174 2262 2416 2494 2547 2652
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
BAB	0579 0645
BAW	0039 0042 0103 0109 0120 1082 1115 1118 1142 1193 1197 1222 1225 1232 1236 1239 1258 1261 1279 1295 1329 1338 1380 1384 1423 1440 1445 1466 1510 1513 1529 1537 1558 1574 1590 1594 1604 1606 1661 1665 1689 1696 1708 1760 1782 1814 1829 1871 1883 1899 1907 1910 1958 2038 2040 2305 2320 2323 2324 2351 2363 2536 3081 3235 3254 3290
BER	1629 1994 2005
BGH	0221 0294 0305 0349
BIE	0293 0517 0519 0535 0642 0827 0891 2707
BMA	0835 0934 1014 1174 1177 1418 1424 1690 1697 1711 1732 1922 1987 2098 2188 2190 2194 2389 2429 2441 2466 2653 2694 2697 2720 2799 2981 3049
BMM	2064 2076 2726 3070
BRS	2263
BST	0604 0614
BTV	0441 0449
BWG	1240 1257 1464 1546 1557 1650 1785 1823 1896
CCA	0876 0921 1296 1654 1679 1753
CCM	0533 0548 1068 1145
CEB	2419 2439 2556 2586 2625 2638 2786 2790 2821 2831 2852 2876 2994 3048 3272 3433 3472 3487
CEF	2801 3085
CES	0665 0772 0799 0828 0883 0914 0925 1005 1028 1030 1070 1072 1093 1108 1285 1303 1312 1330 1357 1361 1377 1386 1532 1541 1542 1551 1601 1603 1639 1778 1786 1906 1911 1964 1981 2022 2034 2036 2049 2056 2068 2155 2171 2182 2199 2212 2219 2221 2235 2239 2244 2274 2437 2451 2478 2493 2498 2562 2591 2606 2627 2882 2895 3170 3197 3233 3247 3249 3262 3471 3559 3593 3611 3612 3639
CIB	0774 0809 0884 0894 0905 0957 0971 1381 1402 1416 1437 1968
CLA	2592 2910 3363
CLI	0134 0136 0143 0146 0177 0199 0240 0241 0264 0303 0312 0992 1063 1221 1396 1430 1461 1550
CQH	0879 0978 1286 1372 1686 1769

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SERVICE BULLETIN

OPERATOR	MSN
CQN	0696 0698 0704 0705
CSA	1439 1450 2719 2758 2789 3031 3043 3060 3094 3097 3406 3436 3452
CSC	0550 0573 0582 0591 0872 1007 1500 3158 3167 3196 3210 3386 3449
CSN	0709 0710 0712 0718 0720 0722 0849 0859 0881 0895 0900 0950 0966 1035 1039 1057 1596 1614 1776 1788 1974 1995 2067 2080 2521 2530 2713 2741 2759 2767 2809 2936 2971 3067 3075 3112
CSZ	0994 2672 2684 2841 2905 2909 2935 2973 2980 3131 3132 3153 3206 3366 3383 3435 3440 3456 3528 3599
CTN	0258 0671 0767 0833 1009 1029 1237 1252
DAT	0644 1160 1336 1388
DER	2557 2561 2581 2611 2617 2644 2733 2746 2849 2891 2985 3285
DKH	2879 2913 2975 3027 3234 3268 3368 3485 3596
DLH	0069 0070 0071 0072 0078 0083 0086 0093 0094 0104 0110 0111 0116 0117 0135 0137 0147 0161 0162 0172 0200 0201 0202 0209 0216 0217 0218 0267 0268 0269 0346 0382 0401 0412 0458 0468 0473 0474 0484 0493 0502 0505 0518 0560 0563 0564 0567 0595 0609 0610 0616 0623 0627 0636 0641 0651 0652 0679 0689 0692 0694 0699 0700 0717 0723 0729 0738 0744 0853 0860 0875 0887 0901 1080 1161 1188 1214 1260 1273 1337 1365 1367
DNJ	1494
EDW	0942 0947 1026
EEZ	1125 1852 1920 1937 1983 2001
ETD	0350 3004 3050
EZY	1428 1687 1715 1723 1754 1869 1918 1969 1993 2037 2043 2050 2053 2062 2119 2120 2129 2137 2157 2170 2176 2181 2184 2196 2214 2224 2230 2245 2249 2251 2265 2271 2283 2289 2300 2319 2353 2360 2370 2378 2380 2385 2387 2398 2402 2412 2420 2427 2436 2442 2446 2450 2460 2462 2463 2471 2477 2481 2492 2495 2503 2512 2514 2527 2528 2538 2548 2565 2578 2605 2636 2646 2677 2681 2682 2691 2702 2709 2715 2727 2729 2735 2742 2744 2754 2765 2769 2777 2779 2782 2795 2803 2812 2818 2827 2829 2854 2860 2866 2873 2884 2923 2946 2959 3003 3036 3041 3053 3059 3061 3082 3084 3088 3090 3106 3118 3122 3134 3137 3176 3184 3411 3413 3426 3432 3442 3466 3537 3544 3555 3569 3571 3608 3634
F2I	0008 0033
FCA	0781 0852 1320 1571 1637 1720 1777 2180
FFT	1488 1515 1560 1579 1583 1660 1684 1743 1759 1761 1781 1803 1841 1851 1863 1876 1939 1943 1980 1991 1997 2010 2012 2017 2019 2030 2051 2103 2198 2209 2218 2236 2240 2241 2253 2258 2260 2276 2287 2318 2392 2400 2406 2448 2465 2483 2497 2518 2700 2751 2763 2806 2836 2857 3028 3038 3092 3110 3163 3389 3431
FHY	0132 0283 0288 0771 0855
FIN	0941 0961 1073 1107 1184 1185 1241 1309 1352 1364 1405 1470 1544 1588 1678 1712 1735 1791 1808 1913 1916 1978 1989 2065 2124 2146 2154 2208 2266

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SERVICE BULLETIN

OPERATOR	MSN
G4I	1157 1795 2507
GFA	0289 0325 0375 0409 0419 0459 0466 0497 0537 1884 1901
GOW	1482 1509 3256 3306 3597 3616
GWI	1077 1084 1089 1136 1147 1155 1170 1209 1277
GWY	1152 1198 1615 1725 1867 2175 2187 2325 2327
GXL	1860
HDA	0756 0784 0812 0877 0930 0993 1024 1253 1695 1721 1984 2021 2229 2238 2428
HEJ	0142
HVN	0590 0594 0601 0605 0607 0611 0617 0619 0648 0650
IAC	0168 0179 0225 0308 0314 0326 0327 0336 0344 0354 0362 0411 0478 1668 1718 3130 3146 3212 3271 3288 3300 3305
IBE	0158 0173 0176 0207 0223 0224 0266 0274 0323 0356 1021 1027 1047 1059 1067 1087 1099 1101 1119 1154 1180 1200 1208 1229 1247 1255 1262 1288 1292 1318 1347 1362 1379 1454 1484 1516 1530 1540 1554 1572 1655 1674 1681 1694 1716 1736 1793 1809 1836 2104 2115 2143 2220 2225 2242 2248 2264 2270 2311 2347 2357 2365 2381 2391 2472 2488 2563 2599
IGO	2844 2863 2883 2911 2958 2990 3086 3159 3192 3227 3259 3308 3335 3357 3414 3453 3457 3497 3541 3618
INX	0963 0968 0974
IRM	0530 0575 0857 1202
ISR	0333
ISS	1048 1102 1283 1305
IWD	1130 1578 1597 1657 1767 2011 2745
JAV	0029
JBU	1123 1156 1173 1235 1270 1280 1302 1327 1398 1446 1452 1506 1528 1591 1610 1705 1739 1784 1827 1849 1861 1868 1891 1898 1904 1915 1917 1927 1948 2006 2020 2031 2042 2063 2075 2099 2125 2132 2136 2141 2147 2149 2150 2159 2160 2177 2201 2215 2231 2246 2259 2280 2284 2286 2307 2314 2336 2352 2368 2384 2386 2415 2447 2449 2461 2489 2491 2504 2520 2535 2577 2580 2640 2647 2671 2710 2725 2755 2781 2802 2814 2832 2848 2871 2880 2900 2945 2970 2977 2992 3029 3039 3072 3091 3119 3150 3190 3228 3263 3287 3348 3381 3416 3451 3479 3488 3517 3554 3572 3622
JCS	0211
JET	0163 0204 0215 0371 0393 0414 0421 0647 0660 0816
JKK	1183 1276 1333 1349 1366 1383 1407 1497 1631 1682 1749 1843 1862 1914 1933 1946 1979 1998 2027 2168 2210 2223 2479 2589
JST	1195 1408 1438
JZR	2569 2584 2792 2822 3016 3349
KBR	0937
KGL	0313
KKK	0640 0676
KNE	1086 1124 1589 1886 2165
KYV	1012 2117

SERVICE BULLETIN

OPERATOR	MSN
KZR	1042 1204 2128
LAN	0990 1304 1332 1351 1355 1491 1512 1526 1548 1568 1626 1854 1858 1877 1903 2089 2096 2295 2304 2321 2572 2585
LBT	0112 0222 0246 0299 0301 0348 0400 0793 0970 0995 1121 1175 1744
LFO	0659
LTC	0310 0359 0384 0446
LTE	0438 0445 0496 0580
LTU	1385 1441 1493 1504 1553 1607 1762 1797 1806 1838 1931 2009
LVG	0792
MDL	0279 0391
MLD	0249 0622
MNJ	0615
MON	0379 0389 0392 0864 0983 1015 1045 1081 1153 1207 1370 1433 1707 1763 1941 2105 2234
MPD	0342 0426
MSC	2937 2966 3282 3323
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 0415 0447 0467 0566 1429 1598 1612 1618 1625 1630 1634 1673 1706 1742 1750 1805 1866 1872 1882 1925 2066 2078 2126 2328 2333 2358 2367 2377 2394 2523 2544 2552 2575 2662 3123 3304 3374
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 0766 0778 0786 0801 0807 0818 0830 0832 0846 0903 0907 0911 0923 0962 0964 0981 0988 0996 1011 1037 1058 1062 1191 1230 1249 1324 1325 1346 1392 1414 1434 1453 1456 1483 1498 1501 1520 1535 1543 1549 1567 1570 1582 1633 1641 1646 1659 1662 1683 1685 1693 1709 1714 1738 1746 1752 1766 1774 1789 1796 1800 1810 1812 1815 1820 1824 1828 1833 1839 1875 1897 1923 1959 1976 1982 1990 2002 2013 2026 2039 2047 2082 2087 2092 2095
OHY	0364 0385 0663 0668 0787 0954 1004 1421
P2G	0302
PAL	0936 1171 1210 2162 2183
QAF	0927 1335
QTR	1487 1566 1648 1656 1773 1895 1928 1957 2097 2107 2121 2138 2161 2288 2341 3071 3274 3369 3397 3636
RJA	0761
RNV	0229
RZO	2390 2425
SAS	1587 1619 1642 1675 1798 1807 1817 1848 2850 2888 3231 3292
SBI	1071 1078 1090 1091 1126 1129 1131 1164 1819 1870 2028 2369 2373 2464 2474 2618 2641

SERVICE BULLETIN

OPERATOR	MSN
SDM	0427 1149 1167 1890
SFJ	2620 2658 2695 3025
SHY	0138 0811
SKB	1853 1963 2773 2811
SLK	0899 0969 1074 1098 1228 1422 1561 1698 2058 2252 2517 2568 2775 3104
SSV	1605 1780
SVR	0140 0157 0203 0220 0735
SVW	3100
SWR	0520 0522 0541 0545 0553 0559 0562 0574 0577 0578 0585 0596 0603 0612 0621 0635 0643 0664 0673 0681 0701 0703 0713 0727 0734 0782 0987 1018 1144 1951 2024 2134
TAE	2014
TAI	1066 1113 1300 1334 1353 1400 1523 1624 1676 1730 1934 1952 2084 2102 2118 2282 2301 2339 2434 2444 2553 2610 2687 2791 2862 2917 3042 3057 3103 3113 3248 3276 3378 3418 3510 3538 3577 3581
TAM	0243 0250 0251 0334 0335 0440 0453 0758 0976 1010 1092 1096 1103 1139 1143 1158 1215 1246 1251 1339 1368 1376 1459 1486 1518 1575 1580 1593 1595 1608 1613 1628 1652 1663 1672 1692 1703 1717 1757 1771 1775 1801 1802 1804 1818 1825 1826 1831 1832 1835 1837 1855 1888 2044 2372 2393 2417 2445 2513 2602 2661 2734 2737 2740 2783 2838 2859 2896 2904 2924 3002 3032 3035 3037 3047 3058 3111 3156 3180 3211 3222 3229 3240 3266 3278 3284 3294 3313 3325 3391 3540 3565 3594
TAP	0629 0750 0755 0763 0790 0821 0837 0870 0906 0917 0933 0945 0960 0979 0982 1034 1100 1106 1120 1127 1165 1181 1206 1231 1307 1399 1667 1713 1756 1765 1799 1816 2178
TAR	0119 0123 0124 0205 0370 0390 0402 0511 0869 0880 0958 0975 1187 1479 1700 3096
TAS	0667 1054
TCW	0343 0425 1306 1787 1929 1975
TCX	0193 0429 0437 0476 0677 0716 1238 1250 1411 1942 1961 1965 1972 2003
TGW	2195 2204 2331 2340 2724 2728 2906 2952 2982 3275 3296
THY	0806 0810 1002 1219 1233 2060 2609 2626 2823 2868 2928 2934 2941 2984 2999 3010 3015 3126 3185 3207 3208 3239 3283
TNA	0538 0555 0606 0731 0746 0791 0822

SERVICE BULLETIN

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 1728 1731 1737 1741 1755 1821 1840 1842 1845 1847 1865
UDC	0230
UEA	0946 0949 1263
USA	0052 0053 0054 0055 0064 0065 0066 0067 0076 0077 0081 0082 0091 0098 0099 0317 0448 0527 0543 0565 0584 0661 0762 0770 0803 0844 0856 0861 0863 0866 0868 0885 0889 0890 0896 0904 0922 0924 0929 0931 0953 0972 0997 1003 1019 1033 1038 1040 1043 1044 1046 1049 1050 1051 1052 1055 1056 1061 1064 1065 1069 1075 1079 1083 1088 1095 1097 1109 1110 1111 1112 1114 1116 1122 1134 1135 1141 1148 1166 1178 1182 1196 1203 1205 1223 1224 1234 1245 1254 1264 1265 1268 1269 1274 1275 1281 1284 1287 1289 1294 1297 1298 1301 1310 1311 1313 1314 1315 1317 1319 1323 1326 1328 1331 1340 1342 1348 1350 1354 1358 1360 1369 1371 1373 1375 1378 1382 1389 1391 1393 1395 1397 1403 1406 1410 1412 1417 1419 1425 1431 1436 1442 1447 1455 1462 1463 1465 1472 1481 1490 1492 1496 1499 1517 1519 1521 1525 1527 1531 1534 1536 1539 1547 1552 1563 1565 1576 1621 1643 1644 1651 1666 1701 1704 1710 1724 1764 1792 1844 1935 2193 2302 2312 2359 2405 2422 2430 2458 2482 2570 2595 2613 2615 2630 2669 2690
VBW	0588
VIM	2108 2804 3125
VKG	1881 1887 1889 1921 1932 1954 1960
VLE	0189 0190
VLG	1413 2114 2227
VLK	0528 0714 0730
VOI	1140 1159 2657 2666 2771 2780 2979 3045 3069 3077 3175 3253 3279 3450 3463 3491 3590
VRD	2616 2674 2778 2800 2830 2851 2993 3101 3135 3155 3181 3204 3230
VUN	1017
XLF	0311 1564

(4) Configuration by MSN

MSN	CONFIGURATION
0002 0005 0006 0007 0008 0014 0017 0019 0020 0021 0029 0031 0033 0034 0039 0040 0041 0042 0043 0052 0053 0054 0055 0059 0061 0062 0063 0064 0065 0066 0067 0068 0069 0070 0071 0072 0073 0076 0077 0078 0081 0082 0083 0084 0086 0091 0093 0094 0098 0099 0100 0101 0102 0103 0104 0109 0110 0111 0112 0113 0114 0116 0117 0118 0119 0120 0121 0122 0123 0124 0125 0126 0127 0128 0129 0133 0134 0135 0136 0137 0138 0139 0140 0141 0142 0143 0146 0147 0148 0149 0150 0151 0152 0153 0154 0157 0158 0159 0160 0161 0162 0163 0164 0165 0166 0167 0168 0169 0170 0171 0172 0173 0174 0175 0176 0177 0178 0179 0183 0186 0187 0188 0189 0190 0192 0193 0194 0196 0197 0198 0199 0200 0201 0202 0205 0206 0207 0208 0209 0210 0211 0212 0213 0216 0217 0218 0219 0221 0222 0223 0224 0225 0226 0227 0228 0229 0230 0231 0232 0233 0240 0241 0242 0243 0245 0246 0248 0249 0250 0251 0253 0254 0255 0258 0262 0263 0264 0265 0266 0267 0268 0269 0272 0273 0274 0277 0279 0281 0282 0283 0284 0285 0286 0287 0288 0289 0290 0291 0292 0293 0294 0297 0298 0299 0300 0301 0302 0303 0305 0306 0307 0308 0309 0310 0311 0312 0313 0314 0317 0318 0319 0323 0324 0325 0326 0327 0328 0329 0330 0331 0332 0333 0334 0335 0336 0338 0339 0340 0341 0342 0343 0344 0345 0346 0347 0348 0349 0350 0351 0355 0356 0358 0359 0360 0361 0362 0363 0364 0365 0366 0367 0369 0370 0371 0372 0375 0378 0379 0380 0381 0382 0383 0384 0385 0387 0388 0389 0390 0391 0392 0393 0394 0399 0400 0401 0402 0403 0404 0408 0409 0410 0412 0413 0414 0415 0417 0418 0419 0420 0421 0422 0425 0426 0427 0430 0434 0435 0436 0437 0438 0439 0440 0441 0442 0443 0444 0445 0446 0447 0448 0450 0452 0453 0454 0456 0457 0458 0459 0462 0463 0464 0465 0466 0468 0470 0472 0473 0474 0475 0477 0479 0482 0483 0484 0485 0487 0488 0489 0493 0494 0495 0496 0497 0500 0501 0502 0503 0504 0505 0506 0507 0508 0510 0511 0512 0513 0514 0515 0516 0517 0518 0519 0520 0522 0523 0524 0526 0527 0528 0530 0531 0532 0533 0534 0535 0537 0538 0539 0541 0543 0545 0548 0549 0550 0552 0553 0554 0555 0557 0559 0560 0562 0563 0564 0565 0566 0567 0568 0570 0571 0572 0573 0574 0575 0576 0577 0578 0579 0580 0581 0582 0583 0584 0585 0586 0587 0588 0589 0590 0591 0592 0593 0594 0595 0596 0597 0599 0601 0603 0604 0605 0606 0607 0609 0610 0611 0612 0613 0614 0615 0616 0617 0619 0621 0622 0623 0627 0629 0634 0635 0636 0638 0639 0640 0641 0642 0643 0645 0648 0649 0650 0651 0652 0655 0656 0658 0659 0661 0664 0665 0667 0669 0670 0671 0672 0673 0676 0677 0678 0679 0681 0682 0683 0685 0686 0688 0689 0690 0691 0692 0693 0694 0695 0696 0697 0698 0699 0700 0701 0702 0703 0704 0705 0709 0710 0711 0712 0713 0717 0718 0719 0720 0721 0722 0723 0727 0728 0729 0731 0732 0734 0736 0738 0740 0742 0744 0746 0748 0762	002

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SERVICE BULLETIN

MSN	CONFIGURATION
0770 0772 0781 0799 0803 0806 0810 0828 0835 0852 0856 0864 0866 0879 0883 0888 0889 0914 0924 0925 0931 0934 0953 0968 0974 1003 1005 1006 1014 1017 1043 1045 1049 1050 1056 1064 1072 1075 1079 1083 1088 1093 1108 1110 1111 1116 1153 1166 1174 1177 1178 1183 1196 1207 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 1717 1764 1775 1792 1844 1879 1935 1938 2128 2165 2193 2302 2312 2359 2405 2422 2430 2445 2458 2482 2570 2595 2613 2615 2630 2669 2690 3032 3101	002

SERVICE BULLETIN

MSN	CONFIGURATION
0003 0004 0010 0012 0013 0016 0036 0044 0108 0115 0130 0131 0132 0144 0145 0155 0156 0184 0203 0204 0214 0215 0220 0235 0236 0237 0239 0244 0252 0259 0260 0261 0270 0275 0276 0278 0280 0296 0320 0321 0322 0337 0352 0353 0354 0357 0368 0373 0377 0411 0429 0449 0467 0476 0478 0491 0498 0509 0521 0529 0544 0546 0598 0600 0608 0618 0625 0637 0644 0647 0660 0663 0668 0680 0687 0714 0715 0716 0725 0730 0735 0750 0751 0752 0755 0756 0757 0758 0759 0761 0763 0764 0765 0766 0767 0768 0769 0771 0773 0774 0776 0777 0778 0779 0780 0782 0783 0784 0785 0786 0787 0788 0790 0791 0792 0793 0796 0797 0798 0800 0801 0802 0804 0807 0809 0811 0812 0813 0814 0816 0817 0818 0819 0820 0821 0822 0824 0825 0826 0827 0829 0830 0831 0832 0833 0834 0836 0837 0840 0842 0843 0844 0845 0846 0847 0848 0849 0850 0851 0853 0855 0857 0858 0859 0860 0861 0862 0863 0865 0867 0868 0869 0870 0871 0872 0873 0875 0876 0877 0880 0881 0882 0884 0885 0887 0890 0891 0893 0894 0895 0896 0898 0899 0900 0901 0903 0904 0905 0906 0907 0911 0917 0920 0921 0922 0923 0927 0929 0930 0933 0935 0936 0937 0938 0940 0941 0942 0944 0945 0946 0947 0948 0949 0950 0951 0952 0954 0955 0956 0957 0958 0959 0960 0961 0962 0963 0964 0965 0966 0969 0970 0971 0972 0975 0976 0978 0979 0980 0981 0982 0983 0985 0987 0988 0989 0990 0992 0993 0994 0995 0996 0997 0998 0999 1000 1001 1002 1004 1007 1008 1009 1010 1011 1012 1015 1018 1019 1020 1021 1022 1024 1025 1026 1027 1028 1029 1030 1031 1033 1034 1035 1036 1037 1038 1039 1040 1042 1044 1046 1047 1048 1051 1052 1054 1055 1057 1058 1059 1061 1062 1063 1065 1066 1067 1068 1069 1070 1071 1073 1074 1077 1078 1080 1081 1082 1084 1086 1087 1089 1090 1091 1092 1095 1096 1097 1098 1099 1100 1101 1102 1103 1104 1105 1106 1107 1109 1112 1113 1114 1115 1118 1119 1120 1121 1122 1123 1124 1125 1126 1127 1128 1129 1130 1131 1132 1133 1134 1135 1136 1137 1138 1139 1140 1141 1142 1143 1144 1145 1146 1147 1148 1149 1150 1151 1152 1154 1155 1156 1157 1158 1159 1160 1161 1162 1163 1164 1165 1167 1168 1169 1170 1171 1173 1175 1176 1179 1180 1181 1182 1184 1185 1187 1188 1189 1190 1191 1192 1193 1195 1197 1198 1199 1200 1201 1202 1203 1204 1205 1206 1208 1209 1210 1211 1214 1215 1216 1217 1218 1219 1220 1221 1222 1224 1225 1226 1227 1228 1229 1230 1231 1232 1233 1235 1236 1237 1238 1239 1240 1241 1243 1244 1245 1246 1247 1248 1249 1250 1251 1252 1253 1254 1255 1257 1258 1259 1260 1261 1262 1263 1264 1265 1266 1267 1268 1269 1270 1271 1272 1273 1275 1276 1277 1279 1280 1282 1283 1285 1286 1287 1288 1289 1290 1291 1292 1294 1295 1296 1297 1298 1299 1300 1301 1302 1303 1304 1305 1306 1307 1308 1309 1310 1311 1312 1313 1314 1315 1317 1318 1319 1320 1321 1322 1324 1325 1326 1327 1328 1329 1330 1331 1332 1333 1334 1335 1336 1337 1338 1339 1340 1341 1342 1343 1344 1346 1347 1348 1349 1351 1352 1353 1354	001

SERVICE BULLETIN

MSN	CONFIGURATION
1355 1357 1358 1359 1360 1361 1362 1363 1364 1365 1366 1367 1368 1369 1370 1371 1372 1376 1377 1378 1379 1380 1381 1382 1383 1384 1385 1386 1387 1388 1389 1391 1392 1393 1396 1398 1399 1400 1401 1402 1403 1404 1405 1407 1408 1409 1411 1412 1413 1414 1415 1416 1417 1418 1420 1421 1422 1423 1424 1425 1426 1427 1428 1429 1430 1431 1432 1433 1434 1435 1436 1437 1438 1439 1440 1441 1442 1444 1445 1446 1447 1448 1449 1450 1451 1452 1453 1454 1455 1456 1457 1458 1459 1460 1461 1462 1464 1465 1466 1469 1470 1471 1472 1473 1474 1475 1476 1477 1478 1479 1480 1481 1482 1483 1484 1486 1487 1488 1489 1491 1492 1493 1494 1495 1496 1497 1498 1499 1500 1501 1502 1504 1505 1506 1507 1508 1509 1510 1511 1512 1513 1514 1515 1516 1517 1518 1519 1520 1521 1522 1523 1524 1525 1526 1528 1529 1530 1531 1532 1533 1535 1536 1537 1538 1539 1540 1541 1542 1543 1544 1545 1546 1548 1549 1550 1551 1553 1554 1555 1557 1558 1559 1560 1561 1562 1564 1566 1567 1568 1569 1570 1571 1572 1573 1574 1575 1577 1578 1579 1580 1581 1582 1583 1584 1585 1586 1587 1588 1589 1590 1591 1593 1594 1595 1596 1597 1598 1600 1601 1603 1604 1605 1606 1607 1608 1609 1610 1612 1613 1614 1615 1616 1617 1618 1619 1620 1622 1624 1625 1626 1627 1628 1629 1630 1631 1633 1634 1636 1637 1639 1640 1641 1642 1645 1646 1647 1648 1649 1650 1651 1652 1653 1654 1655 1656 1657 1658 1659 1660 1661 1662 1663 1664 1665 1666 1667 1668 1669 1670 1671 1672 1673 1674 1675 1676 1677 1678 1679 1680 1681 1682 1683 1684 1685 1686 1687 1688 1689 1690 1691 1692 1693 1694 1695 1696 1697 1698 1699 1700 1701 1702 1703 1704 1705 1706 1707 1708 1709 1711 1712 1713 1714 1715 1716 1718 1720 1721 1722 1723 1724 1725 1728 1730 1731 1732 1733 1734 1735 1736 1737 1738 1739 1740 1741 1742 1743 1744 1745 1746 1749 1750 1752 1753 1754 1755 1756 1757 1759 1760 1761 1762 1763 1765 1766 1767 1769 1770 1771 1773 1774 1776 1777 1778 1779 1780 1781 1782 1784 1785 1786 1787 1788 1789 1791 1793 1795 1796 1797 1798 1799 1800 1801 1802 1803 1804 1805 1806 1807 1808 1809 1810 1812 1814 1815 1816 1817 1818 1819 1820 1821 1823 1824 1825 1826 1827 1828 1829 1831 1832 1833 1835 1836 1837 1838 1839 1840 1841 1842 1843 1845 1846 1847 1848 1849 1851 1852 1853 1854 1855 1858 1859 1860 1861 1862 1863 1865 1866 1867 1868 1869 1870 1871 1872 1873 1875 1876 1877 1881 1882 1883 1884 1885 1886 1887 1888 1889 1890 1891 1894 1895 1896 1897 1898 1899 1900 1901 1903 1904 1906 1907 1910 1911 1913 1914 1915 1916 1917 1918 1920 1921 1922 1923 1924 1925 1927 1928 1929 1931 1932 1933 1934 1937 1939 1941 1942 1943 1946 1948 1949 1951 1952 1954 1957 1958 1959 1960 1961 1963 1964 1965 1968 1969 1972 1973 1974 1975 1976 1978 1979 1980 1981 1982 1983 1984 1987 1989 1990 1991 1993 1994 1995 1997 1998 2001 2002 2003 2005 2006 2009 2010 2011 2012 2013 2014 2017 2019 2020 2021 2022 2024 2026	001

A318/A319/A320/A321

SERVICE BULLETIN

MSN	CONFIGURATION
2027 2028 2030 2031 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2047 2049 2050 2051 2052 2053 2054 2056 2057 2058 2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2078 2079 2080 2081 2082 2083 2084 2086 2087 2088 2089 2091 2092 2093 2094 2095 2096 2097 2098 2099 2100 2101 2102 2103 2104 2105 2106 2107 2108 2109 2110 2113 2114 2115 2116 2117 2118 2119 2120 2121 2122 2124 2125 2126 2127 2129 2131 2132 2133 2134 2136 2137 2138 2140 2141 2142 2143 2144 2146 2147 2149 2150 2151 2152 2154 2155 2157 2159 2160 2161 2162 2163 2168 2170 2171 2174 2175 2176 2177 2178 2179 2180 2181 2182 2183 2184 2186 2187 2188 2189 2190 2194 2195 2196 2198 2199 2201 2204 2208 2209 2210 2212 2213 2214 2215 2218 2219 2220 2221 2222 2223 2224 2225 2226 2227 2228 2229 2230 2231 2233 2234 2235 2236 2238 2239 2240 2241 2242 2243 2244 2245 2246 2247 2248 2249 2251 2252 2253 2258 2259 2260 2262 2263 2264 2265 2266 2270 2271 2274 2276 2279 2280 2282 2283 2284 2286 2287 2288 2289 2290 2291 2295 2300 2301 2304 2305 2307 2311 2314 2317 2318 2319 2320 2321 2323 2324 2325 2327 2328 2330 2331 2332 2333 2336 2337 2339 2340 2341 2342 2344 2347 2350 2351 2352 2353 2357 2358 2360 2363 2365 2367 2368 2369 2370 2372 2373 2377 2378 2380 2381 2382 2384 2385 2386 2387 2389 2390 2391 2392 2393 2394 2397 2398 2400 2402 2406 2412 2415 2416 2417 2419 2420 2425 2427 2428 2429 2434 2436 2437 2439 2440 2441 2442 2444 2446 2447 2448 2449 2450 2451 2456 2459 2460 2461 2462 2463 2464 2465 2466 2471 2472 2474 2477 2478 2479 2481 2483 2488 2489 2491 2492 2493 2494 2495 2497 2498 2503 2504 2507 2512 2513 2514 2517 2518 2520 2521 2523 2527 2528 2530 2535 2536 2538 2544 2547 2548 2552 2553 2556 2557 2561 2562 2563 2565 2568 2569 2572 2575 2577 2578 2580 2581 2582 2584 2585 2586 2589 2591 2592 2599 2601 2602 2605 2606 2609 2610 2611 2616 2617 2618 2620 2625 2626 2627 2636 2638 2640 2641 2644 2646 2647 2652 2653 2657 2658 2661 2662 2665 2666 2671 2672 2674 2677 2681 2682 2684 2686 2687 2691 2694 2695 2697 2700 2702 2705 2707 2709 2710 2713 2715 2716 2719 2720 2721 2724 2725 2726 2727 2728 2729 2733 2734 2735 2737 2740 2741 2742 2744 2745 2746 2750 2751 2754 2755 2758 2759 2763 2765 2767 2768 2769 2771 2773 2775 2777 2778 2779 2780 2781 2782 2783 2786 2789 2790 2791 2792 2795 2799 2800 2801 2802 2803 2804 2806 2808 2809 2811 2812 2814 2818 2821 2822 2823 2827 2829 2830 2831 2832 2836 2838 2840 2841 2844 2848 2849 2850 2851 2852 2854 2857 2859 2860 2862 2863 2866 2868 2871 2873 2875 2876 2879 2880 2882 2883 2884 2888 2891 2895 2896 2900 2903 2904 2905 2906 2909 2910 2911 2912 2913 2917 2918 2920 2923 2924 2928 2934 2935 2936 2937 2941 2943 2945 2946 2947 2951 2952 2957 2958 2959 2965 2966 2967 2970 2971 2972 2973 2975 2977 2979 2980 2981 2982 2984 2985 2990 2992	001

MSN	CONFIGURATION
2993 2994 2998 2999 3002 3003 3004 3009 3010 3015 3016 3025 3027 3028 3029 3031 3033 3035 3036 3037 3038 3039 3041 3042 3043 3045 3046 3047 3048 3049 3050 3051 3052 3053 3056 3057 3058 3059 3060 3061 3063 3065 3066 3067 3068 3069 3070 3071 3072 3074 3075 3077 3081 3082 3084 3085 3086 3088 3090 3091 3092 3094 3096 3097 3098 3099 3100 3103 3104 3106 3110 3111 3112 3113 3118 3119 3122 3123 3125 3126 3130 3131 3132 3134 3135 3137 3146 3147 3148 3149 3150 3153 3155 3156 3157 3158 3159 3160 3163 3167 3170 3175 3176 3180 3181 3184 3185 3189 3190 3191 3192 3196 3197 3204 3206 3207 3208 3210 3211 3212 3222 3227 3228 3229 3230 3231 3233 3234 3235 3239 3240 3244 3247 3248 3249 3253 3254 3256 3259 3262 3263 3266 3267 3268 3271 3272 3274 3275 3276 3278 3279 3281 3282 3283 3284 3285 3286 3287 3288 3290 3292 3294 3296 3297 3298 3300 3304 3305 3306 3308 3312 3313 3323 3325 3334 3335 3336 3348 3349 3357 3363 3366 3368 3369 3372 3373 3374 3378 3381 3383 3386 3389 3391 3397 3399 3401 3406 3410 3411 3413 3414 3416 3418 3419 3420 3426 3431 3432 3433 3435 3436 3437 3440 3441 3442 3449 3450 3451 3452 3453 3456 3457 3463 3466 3470 3471 3472 3479 3483 3485 3487 3488 3491 3496 3497 3508 3510 3511 3514 3517 3528 3537 3538 3540 3541 3544 3545 3554 3555 3559 3565 3569 3571 3572 3574 3577 3581 3590 3593 3594 3596 3597 3599 3608 3611 3612 3616 3618 3622 3631 3634 3636 3639	001

(5) Configuration definition

****CONF 001**

Config. 01 concerns Mod. No. 37526P9966.

****CONF 002**

Config. 02 concerns Mod. No. 37526P9966 and Mod. No. 27038P5162.

(6) Material Effectivity

****CONF 001**

MATERIAL	QTY PER A/C	REMARK
Equipment BFEA01	1	

****CONF 002**

MATERIAL	QTY PER A/C	REMARK
Equipment BFEA02	1	

****CONF ALL**

B. CONCURRENT REQUIREMENTS

For MSN 0002-0008 0010 0012-0014 0016-0017 0019-0021 0029 0031 0033-0034 0036

SERVICE BULLETIN

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 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 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

Accomplishment of this Service Bulletin requires the prior or simultaneous accomplishment of the following Service Bulletin(s):

Service Bulletin No. A320-21-1087

For MSN 0364 0385 0513-0516 0532-0533 0535 0539 0541 0545-0546 0548 0552-0553
0559 0562 0566 0568 0570-0574 0576-0578 0581-0583 0585-0597 0599 0601 0603 0605
0607 0609-0613 0616-0617 0619 0621 0623 0627 0629 0634-0636 0638-0639 0641-0643
0645 0648-0652 0655-0656 0659 0661 0664 0667 0670-0673 0678-0679 0681-0683 0686
0688-0705 0709-0713 0717-0723 0727-0729 0731-0732 0734 0736 0738 0740 0742 0744
0746 0748 0750-0752 0755-0757 0759 0763 0765-0769 0773-0774 0776 0778-0780
0782-0788 0790-0793 0797-0798 0800-0802 0804 0807 0809 0811-0813 0816-0822
0824-0827 0829-0834 0836-0837 0840 0842-0851 0853 0857-0863 0865 0867-0873
0875-0877 0880-0882 0884-0885 0887 0890-0891 0893-0896 0898-0901 0903-0907 0911
0917 0920-0923 0929-0930 0933 0935-0937 0940-0942 0944-0952 0954-0955 0957-0966
0969-0972 0975-0976 0979-0982 0987-0990 0992-0997 0999 1001-1002 1004 1007-1012
1018-1019 1021-1022 1024 1026-1031 1033-1035 1037-1040 1042 1044 1046-1048
1051-1052 1054-1055 1057-1059 1061-1063 1065-1071 1073-1074 1077-1078 1080-1082
1084 1086-1087 1089-1092 1095-1107 1109 1112-1115 1118-1120 1122-1129 1131-1132
1134-1150 1152 1154-1165 1167-1168 1170-1171 1173 1179-1182 1184-1185 1187-1189
1191-1193 1195 1197-1200 1203-1206 1208-1211 1214-1215 1217-1218 1220-1222
1224-1232 1235-1237 1239-1241 1243-1249 1251-1255 1257-1266 1268-1270 1272-1273
1275-1277 1279-1280 1282-1283 1285-1292 1294-1298 1300-1315 1317-1322 1324-1334
1336-1343 1346-1349 1351-1355 1357-1372 1376-1389 1391-1393 1396 1398-1403 1405
1407-1409 1412-1414 1416-1418 1420-1442 1445-1448 1450-1462 1464-1466 1469-1470
1472-1475 1477-1484 1486-1489 1491-1501 1504 1506-1523 1525-1526 1528-1533
1535-1546 1548-1551 1553-1555 1557-1562 1564 1566-1575 1577-1588 1590-1591
1593-1598 1600-1601 1603-1610 1612-1615 1617-1620 1624-1631 1633-1634 1636-1637
1639 1641-1642 1646-1655 1657 1659-1676 1678-1690 1692-1698 1700-1706 1708-1709
1711-1716 1718 1720-1725 1728 1730-1732 1734-1743 1745-1746 1749-1750 1752-1757
1759-1762 1765-1767 1769-1771 1773-1774 1776-1779 1781-1782 1784-1789 1791 1793

SERVICE BULLETIN

1796-1810 1812 1814-1821 1823-1829 1831-1833 1835-1843 1845-1849 1851-1855 1858
1860-1863 1865-1872 1875-1877 1881-1884 1886-1891 1895-1899 1901 1903-1904
1906-1907 1910-1911 1913-1918 1920-1923 1925 1927-1929 1931-1934 1937 1939
1941-1943 1946 1948 1951-1952 1954 1957-1961 1963-1965 1968-1969 1972-1976
1978-1984 1987 1989-1991 1993-1995 1997-1998 2001-2003 2005-2006 2009-2014 2017
2019-2022 2024 2026-2028 2030-2031 2033-2045 2047 2049-2054 2056-2076 2078-2084
2086-2089 2091-2107 2109-2110 2113-2122 2124-2127 2129 2131-2134 2136-2138
2140-2144 2146-2147 2149-2152 2154-2155 2157 2159-2163 2168 2170-2171 2174
2176-2184 2186-2190 2194-2196 2198-2199 2201 2204 2208-2210 2212-2215 2218-2231
2233-2236 2238-2249 2251-2253 2258-2260 2262-2266 2270-2271 2274 2276 2279-2280
2282-2284 2286-2291 2295 2300-2301 2304-2305 2307 2311 2314 2317-2321 2323-2325
2327-2328 2330-2333 2336-2337 2339-2342 2344 2347 2350-2353 2357-2358 2360 2363
2365 2367-2370 2373 2377-2378 2380-2382 2384-2387 2389-2392 2394 2397-2398 2400
2402 2406 2412 2415-2416 2419-2420 2425 2427-2429 2434 2436-2437 2439-2442 2444
2446-2451 2456 2459-2466 2471-2472 2474 2477-2479 2481 2483 2488-2489 2491-2495
2497-2498 2503-2504 2507 2512-2514 2517-2518 2520-2521 2523 2527-2528 2530
2535-2536 2538 2544 2547-2548 2552-2553 2556-2557 2561-2563 2565 2568-2569 2572
2575 2577-2578 2580-2582 2584-2586 2589 2591-2592 2599 2601 2605-2606 2609-2611
2616-2618 2620 2625-2627 2636 2638 2640-2641 2644 2646-2647 2652-2653 2657-2658
2661-2662 2665-2666 2671-2672 2674 2677 2681-2682 2684 2686-2687 2691 2694-2695
2697 2700 2702 2705 2707 2709-2710 2713 2715-2716 2719-2721 2724-2729 2733-2735
2737 2740-2742 2744-2746 2750-2751 2754-2755 2758-2759 2763 2765 2767-2769 2771
2773 2775 2777-2783 2786 2789-2792 2795 2799-2804 2806 2808-2809 2811-2812 2814
2818 2821-2823 2827 2829-2832 2836 2838 2840-2841 2844 2848-2852 2854 2857
2859-2860 2862-2863 2866 2868 2871 2873 2875-2876 2880 2882-2884 2888 2891
2895-2896 2900 2903-2906 2909-2912 2917-2918 2920 2923-2924 2928 2934-2937 2941
2943 2945-2947 2951-2952 2957-2959 2965-2967 2970-2973 2977 2979-2982 2984-2985
2990 2992-2994 2998-2999 3002-3004 3009-3010 3015-3016 3025 3028-3029 3031 3033
3035-3039 3041-3043 3045-3053 3056-3061 3063 3065-3072 3074-3075 3077 3081-3082
3084-3086 3088 3090-3092 3094 3096-3101 3103-3104 3106 3110-3113 3118-3119
3122-3123 3125-3126 3130-3132 3134-3135 3137 3146-3150 3153 3155-3160 3163 3167
3170 3175-3176 3180-3181 3184-3185 3189-3192 3196-3197 3204 3206-3208 3210-3212
3222 3227-3231 3233-3235 3239-3240 3244 3247-3249 3253-3254 3256 3259 3262-3263
3266-3268 3271-3272 3274-3276 3278-3279 3281-3288 3290 3292 3294 3296-3298 3300
3304-3306 3308 3312-3313 3323 3325 3334-3336 3348-3349 3357 3363 3366 3368-3369
3372-3374 3378 3381 3383 3386 3389 3391 3397 3399 3401 3406 3410-3411 3413-3414
3416 3418-3420 3426 3431-3433 3435-3437 3440-3442 3449-3453 3456-3457 3463 3466
3470-3472 3479 3483 3485 3487-3488 3491 3496-3497 3508 3510-3511 3514 3517 3528
3537-3538 3540-3541 3544-3545 3554-3555 3559 3565 3569 3571-3572 3574 3577 3581
3590 3593-3594 3596-3597 3599 3608 3611-3612 3616 3618 3622 3631 3634 3636 3639

Accomplishment of this Service Bulletin requires the prior or simultaneous accomplishment of the following Service Bulletin(s):

Service Bulletin No. None

C. REASON**(1) History**

This Service Bulletin is issued further to an operator's request.

(2) Objective/Action

This Service Bulletin installs an improved cartridge filter element in the avionics ventilation air filter system in order to reduce the maintenance costs.

(3) Advantages

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

(4) Operational/Maintenance Consequences

None

D. DESCRIPTION

To accomplish this Service Bulletin it is necessary to :

****CONF 001**

Task 211169-831-801-001: MODIFICATION

(1) In the avionics compartment, replace the filter cartridge 2082HM in the filter 2083HM

****CONF 002**

Task 211169-831-801-001: MODIFICATION

(1) In the avionics compartment, replace the filter cartridge 2082HM in the filter 2083HM

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

(1) Classification

OPTIONAL

(2) Accomplishment Timescale

In accordance with operators' maintenance schedule.

F. APPROVAL

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

If an aircraft listed in the effectivity has a modification or repair embodied that is not of AIRBUS origin, and which affects the content of this Service Bulletin, the operator is responsible for obtaining approval by its airworthiness authority for any adaptation necessary before incorporation of the Service Bulletin.

G. MANPOWER

The manpower estimates given in this Service Bulletin are based on the direct labor cost to do the work. These estimates assume that the work will be done by experienced personnel, and may need to be revised upwards to suit operator's circumstances. The estimates do not include the time to prepare, plan or inspect the work. Manufacture and procurement of parts and tools, drying times for paints, sealants, etc., and general administration work are also not included.

****CONF 001**

Task 211169-831-801-001: MODIFICATION	
Get Access	0.5
On Aircraft	
In the avionics compartment, replace the filter cartridge 2082HM in the filter 2083HM	0.5
Close-Up	0.5
TOTAL MANHOURS	1.50
ELAPSED TIME (HOURS)	1.5

****CONF 002**

Task 211169-831-801-001: MODIFICATION	
Get Access	0.5
On Aircraft	
In the avionics compartment, replace the filter cartridge 2082HM in the filter 2083HM	0.5
Close-Up	0.5
TOTAL MANHOURS	1.50
ELAPSED TIME (HOURS)	1.5

****CONF ALL**

H. WEIGHT AND BALANCE

****CONF 001**

Not Changed

****CONF 002**

Manufacturers Empty Weight	-0.4 KG	(-0.8818 LB)
Effect on Balance	-3.392 KGM	(-24.534 LB.FT)

****CONF ALL**

I. ELECTRICAL LOAD DATA

Not Changed

J. REFERENCES****CONF 001**

Aircraft Maintenance Manual (AMM)	12-34-24 21-26-43
ATA Common Support Data Dictionary (CSDD), Chapter 2	
Elec. Std. Practices Manual (ESPM)	20-55-00
Service Bulletin (SB)	A320-21-1087

****CONF 002**

Aircraft Maintenance Manual (AMM)	12-34-24 21-26-43
ATA Common Support Data Dictionary (CSDD), Chapter 2	
Elec. Std. Practices Manual (ESPM)	20-55-00
Service Bulletin (SB)	A320-21-1087

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

Aircraft Maintenance Manual (AMM)	21-26-00 21-26-43
Illustrated Parts Catalog (IPC)	21-26-01 21-26-43
Maintenance Planning Document (MPD)	Impact on scheduled maintenance : Refer to MPD

L. INTERCHANGEABILITY/MIXABILITY****CONF 001**

DESCRIPTION	OLD PART N°	NEW PART N°	INT	MIXABILITY	REMARK
Filter Cartridge	QB0639	QB0776	02	Not Applicable	(1) (2)

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

NOTE (2): Interchangeability code 02. However, the old and new part numbers have different maintenance intervals.

****CONF 002**

DESCRIPTION	OLD PART N°	NEW PART N°	INT	MIXABILITY	REMARK
Filter Cartridge	QB0511	QB0776	02	Not Applicable	(1) (2)

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

NOTE (2): Interchangeability code 02. However, the old and new part numbers have different maintenance intervals.

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

Filter Cartridge	QB0511
Filter Cartridge	QB0639

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2. MATERIAL INFORMATION****CONF ALL****A. MATERIAL - PRICE AND AVAILABILITY**

- (1) Procurement Addresses

See list of Materials - Operator Supplied.

- (2) Price and Availability

Sales terms must be agreed between the Customers and the parts Supplier.

B. INDUSTRY SUPPORT INFORMATION

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

C. LIST OF COMPONENTS

No Kit

D. LIST OF MATERIALS - OPERATOR SUPPLIED

- (1) Consumable Materials

None

- (2) Components

None

- (3) Equipment

Equipment BFEA01

ITEM	NEW PART N°	QTY (UM)	KEYWORD	ITEM	OLD PART N°	INT	REMARK
	QB0776	1	FILTER		QB0639	02	(1)(2)

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

NOTE (1): 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 (2): Interchangeability code 02. However, the old and new part numbers have different maintenance intervals.

Equipment BFEA02

ITEM	NEW PART N°	QTY (UM)	KEYWORD	ITEM	OLD PART N°	INT	REMARK
	QB0776	1	FILTER		QB0511	02	(1)(2)

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

NOTE (1): 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 (2): Interchangeability code 02. However, the old and new part numbers have different maintenance intervals.

E. PARTS TO BE RE-IDENTIFIED BY OPERATOR

None

F. TOOLING

None

3. ACCOMPLISHMENT INSTRUCTIONS

Task 211169-831-801-001 - MODIFICATION

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

CAUTION: ALWAYS OBEY THE PRECAUTIONS THAT FOLLOW TO KEEP ELECTRICAL WIRING IN A SATISFACTORY CONDITION (ELECTRICALLY AND MECHANICALLY SERVICEABLE). WHEN YOU DO MAINTENANCE WORK, REPAIRS OR MODIFICATIONS, ALWAYS KEEP ELECTRICAL WIRING, COMPONENTS AND THE WORK AREA AS CLEAN AS POSSIBLE. TO DO THIS:

- PUT PROTECTION, SUCH AS PLASTIC SHEETING, CLOTHS, ETC. AS NECESSARY ON WIRING AND COMPONENTS
- REGULARLY REMOVE ALL SHAVINGS, UNWANTED MATERIAL AND OTHER CONTAMINATION.

THESE PRECAUTIONS WILL DECREASE THE RISK OF CONTAMINATION AND DAMAGE TO THE ELECTRICAL WIRING INSTALLATION.

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

Task Associated Data****CONF 001**

Zone		120
Modified FIN		2082HM
Access	Door	824
Manpower		
TOTAL MANHOURS		1.50
ELAPSED TIME (HOURS)		1.5

****CONF 002**

Zone		120
Access	Door	824
Manpower		
TOTAL MANHOURS		1.50
ELAPSED TIME (HOURS)		1.5

A. GENERAL****CONF 001**

- (1) Subtask 211169-839-001-001 - Administrative

Manpower Resources	
Skills	NON SPECIFIC

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

****CONF 002**

- (1) Subtask 211169-839-001-001 - Administrative

Manpower Resources	
Skills	NON SPECIFIC

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

B. PREPARATION****CONF 001**

- (1) Subtask 211169-941-001-001 - External preparation

Manpower Resources	
Skills	NON SPECIFIC

References	
Aircraft Maintenance Manual (AMM)	12-34-24, Page Block 201

- (a) Make sure that the aircraft is electrically grounded, AMM 12-34-24 Page Block 201.

- (2) Subtask 211169-941-002-001 - Preparation procedure

Manpower Resources	
Skills	NON SPECIFIC

References	
Aircraft Maintenance Manual (AMM)	21-26-43, Page Block 401

- (a) Do the preparation procedure as specified in the removal/installation of the filter assembly (2081HM, 2082HM, 2083HM), AMM 21-26-43 Page Block 401.

****CONF 002**

- (1) Subtask 211169-941-001-001 - External preparation

Manpower Resources	
Skills	NON SPECIFIC

References	
Aircraft Maintenance Manual (AMM)	12-34-24, Page Block 201

- (a) Make sure that the aircraft is electrically grounded, AMM 12-34-24 Page Block 201.

- (2) Subtask 211169-941-002-001 - Preparation procedure

Manpower Resources	
Skills	NON SPECIFIC

References	
Aircraft Maintenance Manual (AMM)	21-26-43, Page Block 401

- (a) Do the preparation procedure as specified in the removal/installation of the filter assembly (2081HM, 2082HM, 2083HM), AMM 21-26-43 Page Block 401.

C. PROCEDURE****CONF 001**

- (1) Subtask 211169-831-001-001 - In the avionics compartment, replace the filter cartridge 2082HM in the filter 2083HM

Work Zones and Access Panels			
	Zone	Access/Work location	
	120	Access to open	Door 824
		Work location	from Frame 20 to Frame 23

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

Material necessary to do the job

Equipment BFEA01			
ITEM	NEW PART N°	QTY (UM)	KEYWORD
	QB0776	1	FILTER

References	
Aircraft Maintenance Manual (AMM)	21-26-43, Page Block 401

(a) Remove :

1	Filter Cartridge	QB0639	Discard
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(b) Install :

FIN 2082HM

1	Filter Cartridge	QB0776	
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****CONF 002**

- (1) Subtask 211169-831-001-002 - In the avionics compartment, replace the filter cartridge 2082HM in the filter 2083HM

Work Zones and Access Panels			
	Zone	Access/Work location	
	120	Access to open	Door 824
		Work location	from Frame 20 to Frame 23

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

Material necessary to do the job

Equipment BFEA02			
ITEM	NEW PART N°	QTY (UM)	KEYWORD
	QB0776	1	FILTER

References	
Aircraft Maintenance Manual (AMM)	21-26-43, Page Block 401

(a) Remove :

1	Filter Cartridge	QB0511	Discard
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(b) Install :

1	Filter Cartridge	QB0776	
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D. TEST****CONF 001**

None

****CONF 002**

None

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

(1) Subtask 211169-942-001-001 - Close-up

Manpower Resources	
Skills	NON SPECIFIC

References	
Aircraft Maintenance Manual (AMM)	21-26-43, Page Block 401

- (a) Do the close-up procedure as specified in the removal/installation of the filter assembly (2081HM, 2082HM, 2083HM), AMM 21-26-43, Page Block 401.

****CONF 002**

(1) Subtask 211169-942-001-001 - Close-up

Manpower Resources	
Skills	NON SPECIFIC

References	
Aircraft Maintenance Manual (AMM)	21-26-43, Page Block 401

- (a) Do the close-up procedure as specified in the removal/installation of the filter assembly (2081HM, 2082HM, 2083HM), AMM 21-26-43, Page Block 401.

SERVICE BULLETIN
REPORTING SHEET**TITLE: AIR CONDITIONNING - DISTRIBUTION - INSTALL PALL IMPROVED
CARTRIDGE FILTER ELEMENT FOR SA AVIONICS FILTER SYSTEM**

MODIFICATION No.: 27038P5162 37526P9966

Please complete the appropriate item (A or B):

A - SB WILL BE embodied YES/NO (if NO please comment)

If YES, aircraft concerned (as per SB effectivity by default) and planned dates (month/year) of embodiment:

B - SB HAS BEEN embodied on aircraft:

Operator comments:

From Airline:

Name/Title:

Signature:

Date:

If operational documentation is affected (see Paragraph 1.K of this SB): If information is needed prior to next normal revision or prior to SB embodiment, please indicate required service(s):

Either: Modification Operational Impact (MOI), if available

YES/NO

Or : Intermediate revision

YES/NO

Important Information: This SB will only be incorporated in your maintenance and operational documentation if this sheet is returned to Airbus and signed by a duly authorised representative. With the next feasible revision, this will result in

- Updating of maintenance documentation to show pre and post SB data.
- Updating of maintenance and operational documentation to show post SB data after embodiment.

If this SB requires previous or simultaneous accomplishment of other SBs, Airbus shall automatically include them in the manual revisions. Refer to SIL 00-037 for detailed information.

Please return this completed sheet to:

AIRBUS
CUSTOMER SERVICES DIRECTORATE
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31707 BLAGNAC CEDEX FRANCE

Attn: SDC32 Technical Data and Documentation Services
FAX: (+33) 5 61 93 28 06
e-mail: sb.reporting@airbus.com
or via your Resident Customer Support Office.

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

SERVICE BULLETIN
QUALITY PERCEPTION FORM

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

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

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

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

If you have had difficulties in the accomplishment of this SB please quote below the area(s) and give a short description of the issue.

Planning	Material	Instructions
X Effectivity	X Kit content	X Preparation
X Reason	X List of Materials Operator Supplied	X Mod/Inspection
X Manpower	X Industry support	X Test
X References	X Re-identification	X Close-Up
X Publication	X Tooling	X Illustrations

Comments:

Operator:

Date:

Name/Title:

Please return this form to:

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Attn : SEM4 Service Bulletins Management
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Or via your Resident Customer Support Office.