

**AIRBUS**  
**CUSTOMER SERVICES DIRECTORATE**  
**1 Rond Point Maurice Bellonte**  
**31707 BLAGNAC CEDEX FRANCE**  
**Tel : (33) 5 61 93 33 33**  
**Telex : AIRBU 530526F**  
**Fax : (33) 5 61 93 42 51**

**ATA SYSTEM : 21**

**TITLE : AIR CONDITIONING - GENERAL - REPLACE NSA8206 SEALS BY ABS5800 PTFE SEALS IN  
SEVERAL ATA 21/36 SUB-SYSTEMS**

**MODIFICATION No. : 36635K10832, 36636K10833, 36637K10834**

This page transmits Revision No. 01 of Service Bulletin No. A320-21-1165

ADDITIONAL WORK

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

REASON

This revision has been issued to update the modification.

CHANGES

- REFERENCES/REPERCUSSIONS

- . SIL 21-039 added.

PLANNING INFORMATION :

- EFFECTIVITY

- . 1.A. MSN 3015 changed from Config. 14 to Config.15.

- INTERCHANGEABILITY/MIXABILITY

- . 1.L. Notes added.

ACCOMPLISHMENT INSTRUCTIONS :

- GENERAL

- Preparation

- . 3.A.(1)(d) Note added.
- . 3.A.(1)(e) Note added.
- . 3.A.(1)(f) Note added.

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

## SERVICE BULLETIN REVISION TRANSMITTAL SHEET

- . 3.A.(1)(g) Note added.
- MODIFICATION
- . 3.B.(4)(g) Note added.
- . 3.B.(5)(h) Note added.
- . 3.B.(6)(g) Note added.
- . 3.B.(7)(h) Note added.

### 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 : Mar 14/07  
REVISION No. : 01 - May 05/09

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

## SERVICE BULLETIN SUMMARY

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

### **ATA SYSTEM : 21**

### **TITLE : AIR CONDITIONING - GENERAL - REPLACE NSA8206 SEALS BY ABS5800 PTFE SEALS IN SEVERAL ATA 21/36 SUB-SYSTEMS**

**MODIFICATION No. : 36635K10832, 36636K10833, 36637K10834**

#### REASON/DESCRIPTION/OPERATIONAL CONSEQUENCES

Investigations have shown that the present standard of diverse hot air duct seals made of silicone (NSA8206) can loose their sealing capabilities after some time in service. This can cause air leakages and subsequent equipment wear. To improve the equipment reliability, the silicone seals have to be replaced by seals made of PTFE (ABS5800).

This Service Bulletin describes the replacement of the silicone seals in the air conditioning system.

Accomplishment of this Service bulletin will improve the air conditioning equipment reliability.

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

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

## SERVICE BULLETIN SUMMARY

MODIFICATION CLASSIFICATION	
MAJOR	None
MINOR	36635K10832 36636K10833 36636K10834

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

### EFFECTIVITY

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

03X 06Y 31V 31X 39Z 47W 53Z 57W 80X 86Z 91X 93V 95W AAF AAN AAR ABQ ABY ACA ACI ADH ADR  
AFL AFR AHY AIJ AJM ALK AMC AMU ANA ANZ ART ATC AUA AUH AXM AZA BAB BAW BEL BER BGH  
BIE BKP BMA BMM BRS BST BTV BWG C9G CCA CCM CEB CEF CES CIB CLI CQH CQN CSA CSC  
CSN CSZ CTN CYP D2F DCS DGA DKH DLH DNJ DRA DRK DXH EDW EEZ EIN ETD EZY F2I FFT FHY  
FIN G2X G4I G8E GFA GOW GWI GWY HDA HEJ HMS HVN I2L IAC IBE IGO IRA IRM ISR ISS IWD IZM  
JAV JBU JCS JET JKK JSA JST JZR KAC KBR KFR KKK KNE KYV KZR LAN LBT LFO LMJ LMU LTE LTU  
LVG LZB MAU MDL MEA MHS MLD MLM MNJ MON MPD MSC MSR MXA MYW NKS NLY NVR NWA OHY  
ORF P2G PAL PIC PTI QAF QTR R1T RBA RIT RJA RKM RNV ROT RYW RZO SAA SAS SBI SDM SFJ  
SHJ SHR SHY SLK SOR SSV SVR SVW SWR SYR TAE TAI TAM TAP TAR TAS TCW TCX TGW THY TNA  
TOM TWJ UAL UDC UEA USA VBW VIM VKG VLG VLK VLU VOI VRD VUN WGT WHT WVL WZZ XLF

### CONCURRENT REQUIREMENTS

None

### REFERENCES/REPERCUSSIONS

TFU	: None
OEB	: None
AOT	: None
SIL	: 21-039
LIFE LIMIT	: None
LINE MAINTENANCE AFFECTED	: MPD task 215200-07-1
OTHERS	: None

### NATURE OF THE WORK

AIRCRAFT : Yes

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

## SERVICE BULLETIN SUMMARY

EQUIPMENT : No

HARD : No

SOFT : No

OBRM : No

### MANPOWER

Config. 01 Config. 03

**TOTAL MANHOURS** **10.50**

**ELAPSED TIME (HOURS)** **8.00**

Config. 02 Config. 04

**TOTAL MANHOURS** **11.25**

**ELAPSED TIME (HOURS)** **8.75**

Config. 05

**TOTAL MANHOURS** **10.75**

**ELAPSED TIME (HOURS)** **8.25**

Config. 06 Config. 10 Config. 14

**TOTAL MANHOURS** **10.75**

**ELAPSED TIME (HOURS)** **8.50**

Config. 07 Config. 11 Config. 15

**TOTAL MANHOURS** **11.50**

**ELAPSED TIME (HOURS)** **9.00**

Config. 08 Config. 12 Config. 16

**TOTAL MANHOURS** **11.00**

**ELAPSED TIME (HOURS)** **8.50**

Config. 09 Config. 13 Config. 17

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

## SERVICE BULLETIN SUMMARY

**TOTAL MANHOURS**

**11.75**

**ELAPSED TIME (HOURS)**

**9.50**

### MATERIAL INFORMATION

AIRCRAFT DATA

Config. 01 Config. 03

Kit 211165D01R01

Seals, screws, washers, nuts.

Config. 02 Config. 04

Kit 211165D11R00

Kit 211165D02R00

Seals, screws, washers, nuts.

Config. 05

Kit 211165D11R00

Kit 211165D03R00

Seals, screws, washers, nuts.

Config. 06 Config. 10 Config. 14

Kit 211165D01R01

Kit 211165D04R00

Seals, screws, washers, nuts.

Config. 07 Config. 11 Config. 15

Kit 211165D11R00

Kit 211165D02R00

Kit 211165D04R00

Seals, screws, washers, nuts.

Config. 08 Config. 12 Config. 16

Kit 211165D11R00

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

## SERVICE BULLETIN SUMMARY

Kit 211165D03R00

Kit 211165D04R00

Seals, screws, washers, nuts.

Config. 09 Config. 13 Config. 17

Kit 211165D21R00

Kit 211165D02R00

Kit 211165D03R00

Kit 211165D04R00

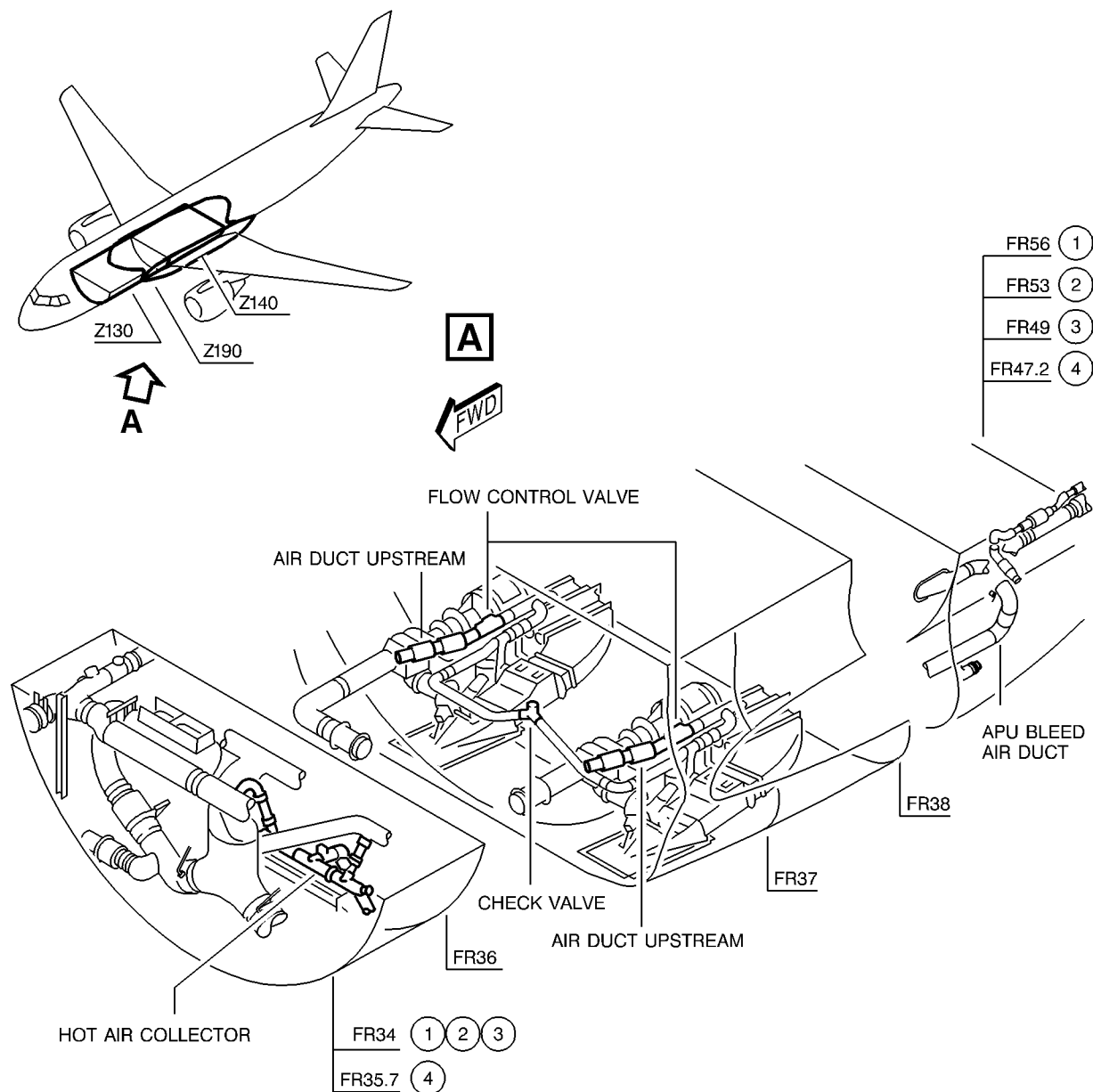
Seals, screws, washers, nuts.

### APPENDICES

None

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

## SERVICE BULLETIN SUMMARY



### NOTE:

- 1 APPLICABLE TO A318
- 2 APPLICABLE TO A319
- 3 APPLICABLE TO A320
- 4 APPLICABLE TO A321

## CONFIG. 1 - 17

NB6 21 1165 AAMA-A

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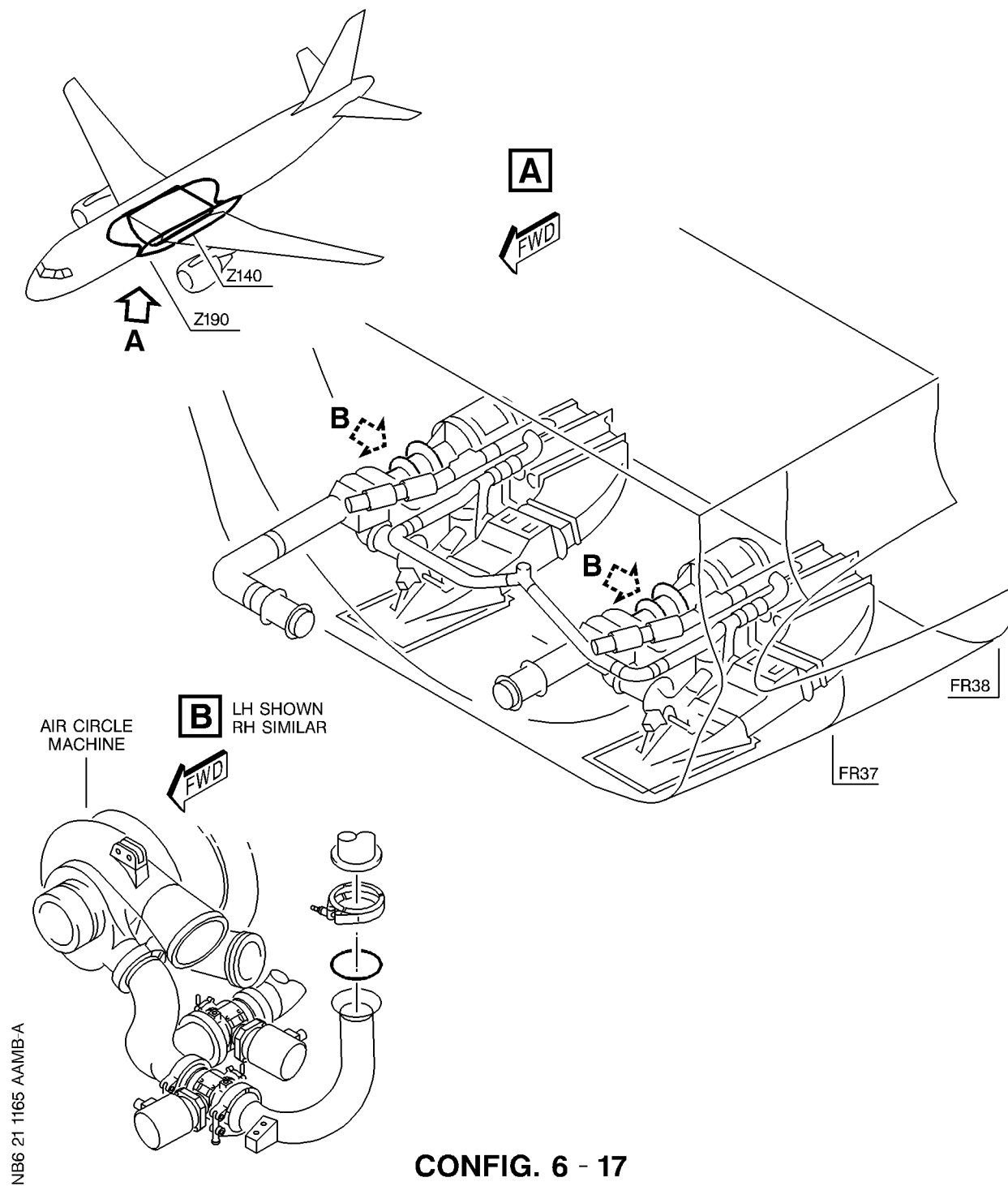
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## SERVICE BULLETIN SUMMARY



NB6 21 1165 AAMB-A

DATE : Mar 14/07

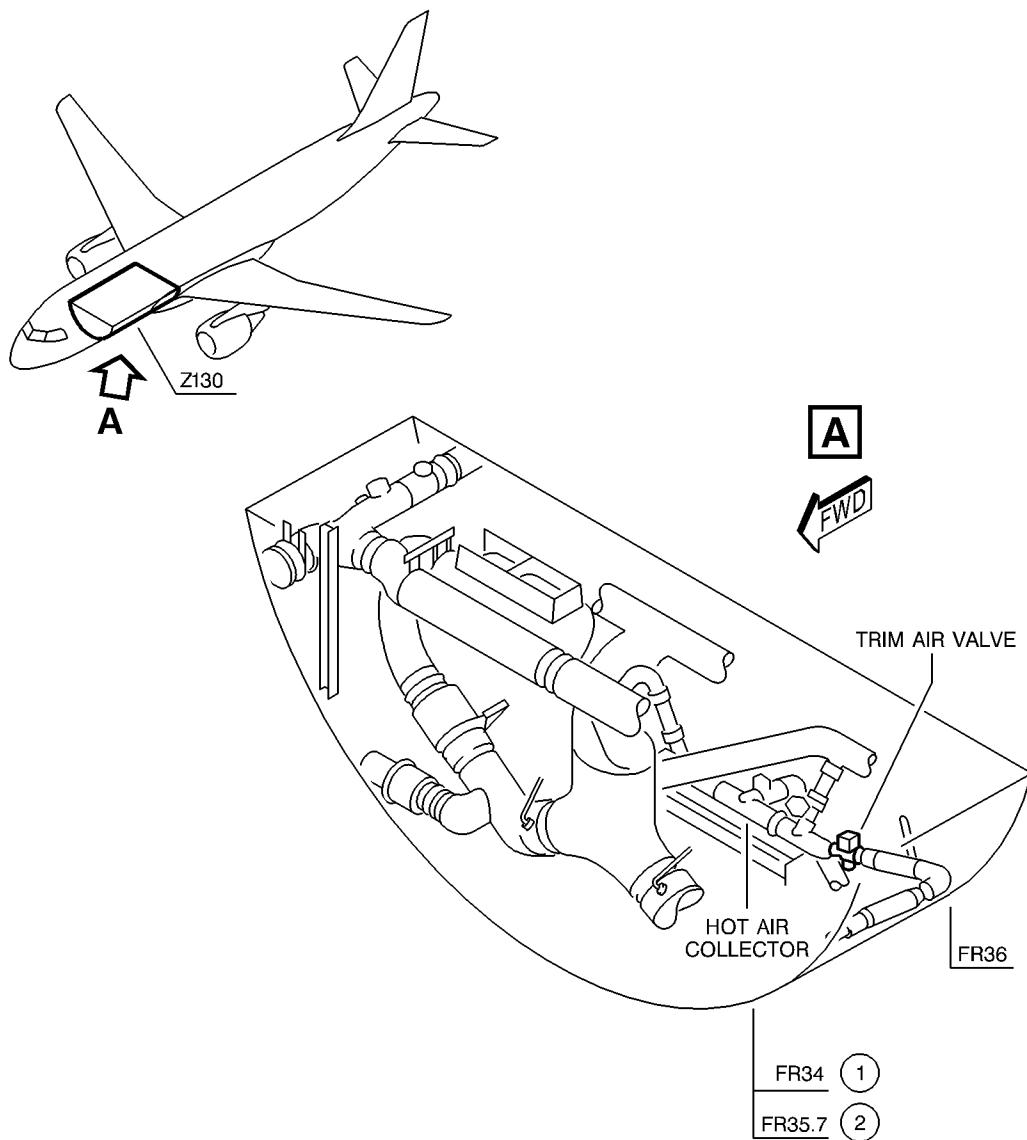
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# **A318/A319/A320/A321**

## SERVICE BULLETIN SUMMARY



NB6 21 1165 AAMC-A

### NOTE:

- (1) APPLICABLE TO A319, A320
- (2) APPLICABLE TO A321

**CONFIG. 5, 8, 9, 12, 13, 16, 17**

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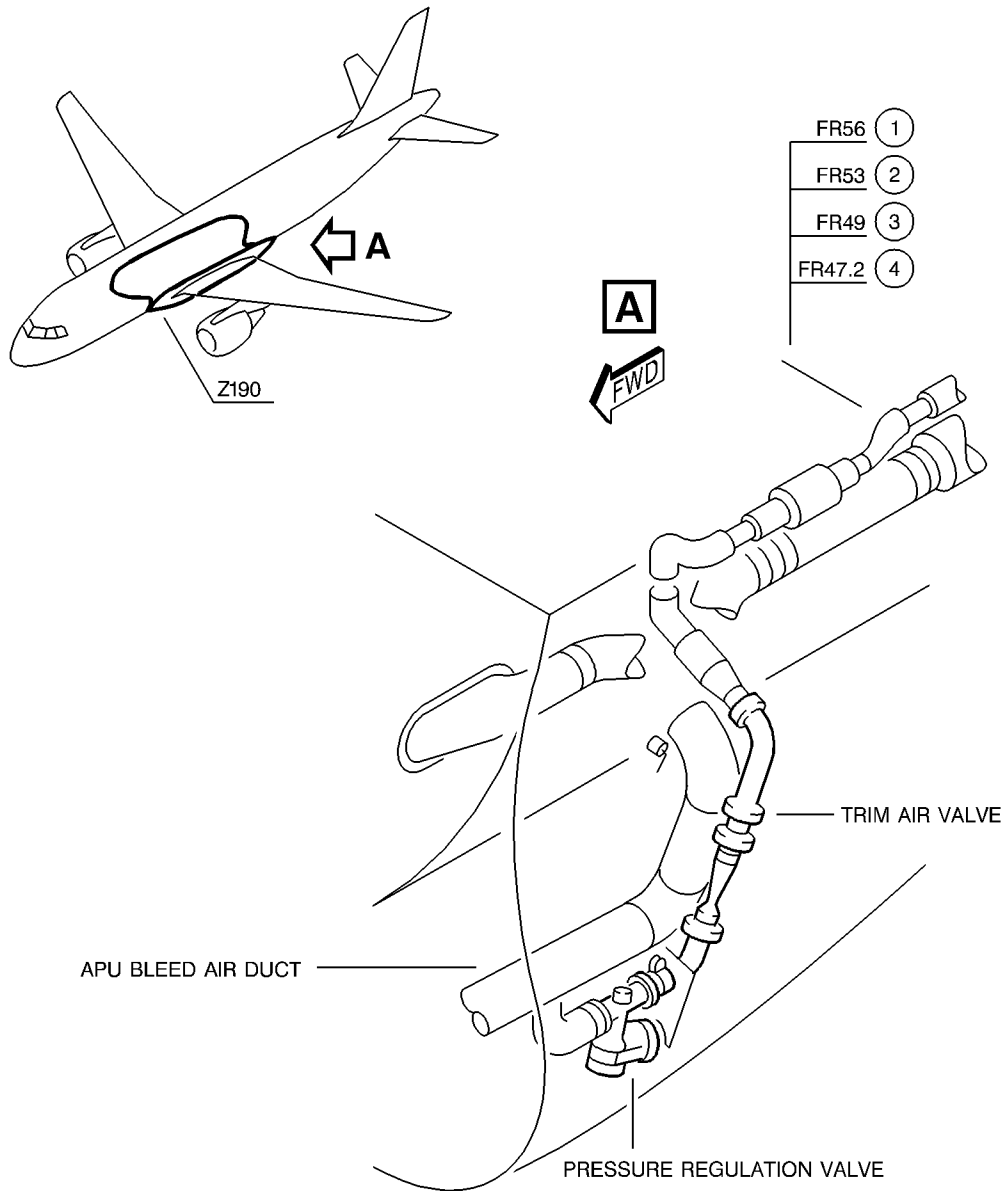
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# **A318/A319/A320/A321**

## SERVICE BULLETIN SUMMARY



**CONFIG. 2, 4, 7, 9, 11, 13, 15, 17**

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**MODIFICATION No. : 36635K10832, 36636K10833, 36637K10834**

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## **1. PLANNING INFORMATION**

### **A. EFFECTIVITY**

#### **(1) Models**

318-111 318-112 318-121 319-111 319-112 319-113 319-114 319-115 319-131 319-132  
319-133 320-111 320-211 320-212 320-214 320-216 320-231 320-232 320-233 321-111  
321-112 321-131 321-211 321-212 321-231 321-232

#### **(2) Aircraft**

##### **(a) Effectivity by MSN**

This Service Bulletin is applicable to aircraft MSN :

0002 0003 0005 0007 0008 0010 0012-0014 0016 0019-0021 0029 0031 0034 0035  
0037-0059 0061-0078 0080-0090 0093-0104 0108-0130 0132-0237 0239-0260  
0262-0270 0272-0303 0305-0337 0339-0373 0375-0396 0398-0432 0434-0480  
0482-0535 0537-0546 0548-0601 0603-0631 0633-0707 0709-0752 0754-0788  
0790-1043 1045-1185 1187-1277 1279-1373 1375-1812 1814-1821 1823-1829  
1831-1918 1920-1929 1931-1984 1986-1991 1993-2024 2026-2110 2112-2499  
2501-2721 2723-3009 3011 3013 3015 3017 3019 3020 3022 3024 3026 3028 3030  
3032 3036 3041 3043 3045

##### **(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

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

## SERVICE BULLETIN

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
03X	2421
06Y	0313
31V	0031 0034 0040 0041
31X	2192
39Z	0956
47W	0764 1494
53Z	1468
57W	1999
80X	2748
86Z	0164 0406 0580
91X	2837
93V	1589
95W	2949
AAF	0244 0558 0561 0639 0808 0823 0888 1006 1451 1846 2296
AAN	0430 0527 0565
AAR	0802 1227 1356 1511 1636 1670 1734 2041 2045 2110 2226 2247 2290 2397 2459 2808 2840 2943
ABQ	0394 0443 0760 1008 1199 1218
ABY	2158 2166 2278 2349 2678 2712 2764 2930 2964
ACA	0059 0068 0073 0084 0122 0126 0127 0141 0149 0150 0154 0159 0174 0175 0183 0210 0231 0232 0233 0242 0248 0253 0254 0255 0265 0277 0284 0290 0309 0324 0330 0341 0378 0403 0404 0546 0572 0634 0656 0670 0672 0682 0688 0691 0693 0695 0697 0711 0719 0721 0728 0732 0736 0740 0742 0752 0757 0769 0773 0779 0785 0800 0813 0817 0829 0831 0840 0845 1562 1577 1602 1611 1623 1632 1638 1719 1726 1748 1772 1783 1811 1853 1864 1874 1940 2018 2145
ACI	2152

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## SERVICE BULLETIN

OPERATOR	MSN
ADH	2869 2932 2995
ADR	0043 0113 0114
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
AFR	0002 0005 0007 0010 0012 0013 0014 0016 0019 0020 0021 0044 0061 0062 0063 0100 0101 0102 0108 0115 0128 0129 0130 0133 0144 0145 0155 0156 0184 0186 0187 0188 0214 0226 0227 0228 0235 0236 0237 0239 0270 0278 0285 0286 0287 0337 0352 0377 0491 0498 0509 0521 0529 0544 0598 0600 0608 0618 0625 0637 0777 0796 0938 0985 0998 1000 1020 1025 1036 1133 1151 1169 1176 1190 1201 1216 1267 1271 1299 1344 1404 1415 1444 1449 1471 1476 1502 1505 1524 1616 1622 1640 1645 1658 1677 1691 1699 1733 1859 1873 1879 1885 1894 1900 1924 1938 1949 2035 2059 2071 2081 2100 2109 2140 2213 2228 2279 2317 2344 2350 2456 2582 2601 2686 2705 2716 2721 2750 2918 2938 2951 2961 2967 2972 3008 3009
AHY	0331 2487 2516 2588 2788
AIJ	1132 1162 1179 1244 1259 1308 1322
AJM	0624 0626 0628 0666 0775 1213 1390 1503 1747 1905 1966 1988 2048
ALK	0169 0315 2908 2914
AMC	2113 2122 2142 2186 2189 2291 2332 2382 2665 2768
AMU	0557 0597 0620 0631 0805 0908 0928 1758 1790 1850 1893 1912 1926 1962
ANA	0139 0151 0167 0170 0196 0212 0219 0245 0300 0328 0365 0383 0413 0482 0501 0507 0531 0534 0549 0554 0658 0669 0685 1973 2061 2998
ANZ	2085 2090 2112 2130 2148 2153 2173 2257 2297 2533 2594 2663
ART	0142 0310 0359 0446 0726
ATC	0630
AUA	0552 0570 0581 0768 0776 0797 0920 0935 1137 1150 1189 1387 1458 1478 2131 2174 2262 2416 2494 2547 2652
AUH	2403

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## SERVICE BULLETIN

OPERATOR	MSN
AXM	2612 2633 2656 2683 2699 2760 2816 2826 2842 2881 2885 2926 2944 2956 2989 3000
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 2700 2763
BAW	0039 0042 0103 0109 0120 1082 1115 1118 1142 1193 1197 1222 1225 1232 1236 1239 1258 1261 1279 1295 1329 1338 1380 1384 1423 1440 1445 1466 1510 1513 1529 1537 1558 1574 1590 1594 1604 1606 1661 1665 1687 1689 1696 1708 1760 1782 1814 1829 1871 1883 1899 1907 1910 1958 2038 2040 2305 2320 2323 2324 2351 2363 2536
BEL	0644 1160 1336 1388
BER	1629 1994 2005 2335 2383 2467 2468 2685 2696 2820 2835 2846 2853 2865 2968 2991 3006
BGH	0221 0294 0305 0349
BIE	0293 0517 0519 0535 0642 0827 0891 2707
BKP	2254 2310 2509
BMA	0835 1014 1174 1177 1194 1418 1424 1690 1697 1711 1732 1922 1987 2098 2188 2190 2194 2389 2429 2441 2466 2653 2694 2697 2720 2799 2981
BMM	2064 2076 2726
BRS	2263
BST	0604 0614
BTv	0168 0441 0449 1676 2648 2660
BWG	0916 1240 1257 1464 1546 1557 1650 1785 1823 1896
C9G	1727 2596
CCA	0707 0724 0876 0921 1296 1654 1679 1753 2000 2007 2015 2172 2202 2205 2237 2269 2285 2293 2298 2454 2499 2508 2525 2532 2545 2551 2559 2614 2643 2805 2819 2839 2847 2890
CCM	0533 0548 1068 1145

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## SERVICE BULLETIN

OPERATOR	MSN
CEB	2419 2439 2556 2586 2625 2638 2786 2790 2821 2831 2852 2876 2994
CEF	2801
CES	0665 0754 0772 0799 0828 0838 0854 0883 0897 0909 0914 0925 0939 0967 0984 0986 1005 1028 1030 1041 1070 1072 1093 1108 1285 1303 1312 1316 1330 1345 1357 1361 1377 1386 1532 1541 1542 1551 1601 1603 1639 1778 1786 1906 1911 1964 1981 2022 2034 2036 2049 2056 2068 2155 2171 2182 2199 2212 2219 2221 2235 2239 2244 2274 2309 2315 2437 2451 2478 2493 2498 2543 2549 2562 2591 2606 2627 2693 2757 2825 2882 2895
CIB	0774 0809 0884 0894 0905 0957 0971 1381 1402 1416 1437 1968
CLI	0134 0136 0143 0146 0177 0199 0240 0241 0264 0992 1221 1396 1430 1461 1550
CQH	0879 0978 1286 1372 1686 1769 1852 2939
CQN	0696 0698 0704 0705
CSA	0674 0684 1439 1450 2719 2758 2789 3043
CSC	0540 0550 0551 0556 0573 0582 0591 0872 0874 0878 0902 0912 0915 0919 1007 1013 1060 1293 1500 2313 2348 2396 2431 2510 2534 2597 2639
CSN	0709 0710 0712 0718 0720 0722 0849 0859 0881 0895 0900 0950 0966 1035 1039 1057 1596 1614 1776 1788 1971 1974 1986 1995 2004 2008 2067 2080 2200 2203 2232 2273 2275 2334 2343 2345 2354 2361 2371 2408 2426 2435 2484 2505 2506 2511 2519 2521 2530 2541 2546 2554 2555 2558 2574 2579 2637 2667 2680 2689 2701 2708 2713 2714 2741 2743 2759 2767 2770 2772 2796 2809 2815 2824 2834 2855 2861 2877 2899 2901 2915 2936 2940 2948 2950 2960 2969 2971 2986 3020
CSZ	0994 2672 2684 2841 2905 2909 2935 2973 2980
CTN	0258 0671 0767 0833 1009 1029 1237 1252
CYP	0035 0037 0038 0180 0256 0295 0316 1729 1768 2718
D2F	0420 0436 0934 0963
DCS	1053
DGA	1485 1556
DKH	2879 2913 2975

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

## SERVICE BULLETIN

OPERATOR	MSN
DLH	0069 0070 0071 0072 0078 0083 0086 0093 0094 0104 0110 0111 0116 0117 0135 0137 0147 0161 0162 0172 0200 0201 0202 0209 0216 0217 0218 0267 0268 0269 0346 0382 0401 0412 0458 0468 0473 0474 0484 0493 0502 0505 0518 0560 0563 0564 0567 0595 0609 0610 0616 0623 0627 0636 0641 0646 0651 0652 0654 0679 0689 0692 0694 0699 0700 0717 0723 0729 0738 0744 0794 0853 0860 0875 0887 0901 1016 1080 1161 1172 1188 1214 1260 1273 1337 1365 1367
DNJ	1963
DRA	2557 2561 2581 2611 2617 2644 2733 2746 2849 2891 2985
DRK	2306 2346
DXH	2762 2774 3024
EDW	0942 0947 1026
EEZ	0737 0749 1125 1715 1723 1920 1937 1983 2001 2102
EIN	0815 0841 0926 0991 1023 1094 1242 1394 1443 1467 2191 2206 2217 2250 2256 2272 2294 2364 2374 2399 2409 2411 2432 2486 2542 2583 2635 2810
ETD	0350 1944 1945 1947 1955 2167 3004
EZY	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
F2I	0008
FFT	1515 1579 1583 1660 1684 1759 1781 1803 1806 1841 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 2751 2806 2836 2857
FHY	0132 0283 0288 0771 0855 2524 2564
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
G2X	0189 0190 0289

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

## SERVICE BULLETIN

OPERATOR	MSN
G4I	1157 1795 2507
G8E	0003 2077 2123
GFA	0325 0375 0409 0419 0459 0466 0497 0537 0675 0761 1884 1901
GOW	1509
GWJ	1077 1084 1089 1136 1147 1155 1170 1209 1277 2607 2628 2632 2813 2833 2976 3011
GWY	1152 1198 1564 1615 1725 1860 1867 2175 2187 2325 2327
HDA	0633 0756 0784 0812 0877 0930 0993 1024 1253 1695 1721 1984 2021 2229 2238 2428
HEJ	0087 0088
HMS	2540
HVN	0590 0594 0601 0605 0607 0611 0617 0619 0648 0650 2255 2261 2267 2303 2480 2974 3005 3013 3022
I2L	0496
IAC	0045 0046 0047 0048 0049 0050 0051 0056 0057 0058 0074 0075 0080 0089 0090 0095 0096 0097 0179 0225 0247 0257 0308 0314 0326 0327 0336 0344 0354 0362 0376 0386 0396 0398 0411 0416 0423 0431 0432 0451 0469 0478 0480 0486 0490 0492 0499 1668 1718 2593 2624 2629 2907
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 2736 2756 2776 2807 2843 2870 2889 2897 2996
IGO	2844 2863 2883 2911 2958 2990
IRA	0303 0312 0345 0530 0575 2054
IRM	0857 1202
ISR	0333 0384
ISS	1048 1102 1283 1305
IWD	1130 1597 1657 1767 2011 2745

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

## SERVICE BULLETIN

OPERATOR	MSN
IZM	1730 2404 2414 2452
JAV	0029
JBU	1123 1156 1173 1235 1270 1280 1302 1327 1398 1446 1452 1506 1528 1610 1705 1739 1784 1849 1861 1898 1904 1915 1917 1927 1948 2006 2020 2031 2042 2063 2075 2099 2125 2132 2136 2149 2150 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
JCS	0211
JET	0163 0204 0215 0371 0393 0414 0421 0542 0647 0660 0816 2424 2698 2723
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
JSA	2316 2356 2395 2401 2604
JST	1195 1408 2169 2185 2197 2292 2299 2322 2329 2338 2423 2453 2455 2457 2475 2515 2526 2537 2573 2587 2600 2608 2642 2651 2703 2717 2766 2787
JZR	2569 2584 2792 2822
KAC	0181 0182 0195 2046
KBR	0937
KFR	0943 0977 2029 2366 2376 2413 2443 2496 2502 2522 2531 2576 2621 2634 2645 2650 2664 2670 2676 2731 2747 2753 2817 2856 2874 2916 2919 2922 2927 2933
KKK	0460 0461 0640 0676 0968 0974 1438
KNE	1086 1124 1886 2165
KYV	1012 2117
KZR	1042 1204 2016 2128 2828 2987
LAN	1304 1332 1351 1355 1491 1512 1526 1548 1568 1626 1854 1858 1877 1903 2089 2096 2295 2304 2321 2572 2585 2845 2858 2864 2872 2886 2887 2892 2894 3001 3030
LBT	0112 0222 0246 0299 0301 0348 0400 0793 0970 0995 1121 1175 1744

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

## SERVICE BULLETIN

OPERATOR	MSN
LFO	0659
LMJ	1868
LMU	0932
LTE	0438 0445
LTU	1385 1441 1493 1504 1553 1607 1762 1797 1838 1931 2009 2539 2619 2654
LVG	0792 1950 1970
LZB	3028
MAU	1592 1936
MDL	0279 0391 1482 2784 2797
MEA	1878 1953 1956 1967 1977 2055
MHS	1300 1353
MLD	0249 0622 0741
MLM	2592 2910
MNJ	0615
MON	0379 0389 0392 0864 0983 1015 1045 1081 1153 1207 1370 1428 1433 1707 1763 1794 1941 2105 2234
MPD	0342 0426 0662
MSC	2937 2966
MSR	0165 0166 0178 0194 0198 0322 0351 0366 0680 0687 0715 0725 2070 2073 2079 2088 2094
MXA	0252 0259 0260 0275 0276 0280 0291 0292 0296 0320 0321 0332 0347 0353 0357 0361 0368 0369 0373 0405 0415 0428 0447 0467 0566 1429 1598 1612 1618 1625 1630 1634 1673 1706 1742 1750 1805 1866 1872 1882 1925 2066 2078 2126 2328 2333 2358 2367 2377 2394 2523 2544 2552 2575 2662
MYW	0363 0444 0814
NKS	2433 2470 2473 2476 2485 2490 2560 2567 2590 2603 2622 2673 2679 2704 2711 2893 2898 2929 2942 2963 2978 2983 3007 3017 3026

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

## SERVICE BULLETIN

OPERATOR	MSN
NLY	2529 2668 2749 2867 2902 3019
NVR	2211 2216 2410
NWA	0118 0121 0125 0152 0153 0160 0171 0192 0197 0206 0208 0213 0262 0263 0272 0273 0281 0282 0297 0298 0306 0307 0318 0319 0329 0339 0340 0355 0358 0360 0367 0372 0380 0381 0387 0388 0399 0408 0410 0417 0418 0766 0778 0786 0801 0807 0818 0830 0832 0846 0903 0907 0911 0923 0962 0964 0981 0988 0996 1011 1037 1058 1062 1191 1230 1249 1324 1325 1346 1392 1414 1434 1453 1456 1483 1498 1501 1520 1535 1543 1549 1567 1570 1582 1633 1641 1646 1659 1662 1683 1685 1693 1709 1714 1738 1746 1752 1766 1774 1789 1796 1800 1810 1812 1815 1820 1824 1828 1833 1839 1875 1897 1923 1959 1976 1982 1990 2002 2013 2026 2039 2047 2082 2087 2092 2095
OHY	0364 0385 0663 0668 0787 0954 1004 1421
ORF	2566
P2G	0302
PAL	0706 0745 0936 1171 1210 2162 2183 2878 2925 2954
PIC	0455 0471 0990
PTI	1880
QAF	0927 1335
QTR	1487 1566 1648 1656 1773 1895 1928 1957 2097 2107 2121 2138 2161 2288 2341
R1T	1908
RBA	2023 2032 2135 2139
RIT	2141 2147
RJA	2598 2649 2692 2730 2793 2953
RKM	1599
RNV	0229 0913 2277 2362
ROT	2931 2955
RYW	0569
RZO	0795 2390 2425

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

## SERVICE BULLETIN

OPERATOR	MSN
SAA	2268 2281 2308 2326 2355 2375 2379 2418 2438 2469 2501
SAS	1587 1619 1642 1675 1798 1807 1817 1848 2850 2888
SBI	1071 1078 1090 1091 1126 1129 1131 1149 1164 1167 1819 1870 2028 2369 2373 2464 2474 2618 2623 2641
SDM	0427 0525 0649 1488 1560 1578 1743 1761 1851 1863 1876 1890
SFJ	2620 2658 2695
SHJ	0910
SHR	0311
SHY	0138 0148 0811
SLK	0899 0969 1074 1098 1228 1422 1561 1698 2058 2252 2517 2568 2775
SOR	2440 2675 2706
SSV	1411 1571 1605 1780 1961 2003
SVR	0140 0157 0203 0220 0735 1063
SVW	2921
SWR	0520 0522 0541 0545 0553 0559 0562 0574 0577 0578 0585 0596 0603 0612 0621 0635 0643 0664 0673 0681 0701 0703 0713 0727 0734 0782 0987 1018 1144 1951 2024 2134
SYR	0886 0918 1032 1076 1085 1117
TAE	0657 2084 2659
TAI	1066 1113 1334 1400 1523 1624 1934 1952 2118 2282 2301 2339 2434 2444 2553 2610 2687 2791 2862 2917
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 1591 1593 1595 1608 1613 1628 1652 1663 1672 1692 1703 1717 1757 1771 1775 1801 1802 1804 1818 1825 1826 1827 1831 1832 1835 1837 1855 1857 1888 1891 2014 2044 2372 2393 2417 2445 2513 2602 2661 2734 2737 2783 2838 2859 2896 2904 2924 3002 3032
TAP	0185 0191 0234 0395 0629 0750 0755 0763 0790 0821 0837 0870 0906 0917 0933 0945 0960 0979 0982 1034 1100 1106 1120 1127 1165 1181 1206 1231 1307 1399 1667 1713 1756 1765 1799 1816 2178

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

## SERVICE BULLETIN

OPERATOR	MSN
TAR	0119 0123 0124 0205 0370 0390 0402 0511 0869 0880 0958 0975 1187 1479 1700
TAS	0667 0739 0743 1054
TCW	0425 0653 1306 1787 1929 1975
TCX	0193 0424 0429 0437 0476 0677 0716 1238 1250 1942 1965 2060 2114
TGW	2195 2204 2331 2340 2724 2728 2906 2952 2982
THY	0806 0810 1002 1219 1233 1856 1909 1996 2609 2626 2631 2655 2738 2739 2823 2868 2928 2934 2941 2984 2999 3015
TNA	0538 0555 0606 0731 0746 0791 0822
TOM	0781 0852 1320 1637 1720 1777 2180
TWJ	2550
UAL	0435 0439 0442 0450 0452 0454 0456 0457 0462 0463 0464 0465 0470 0472 0475 0479 0483 0485 0487 0489 0500 0503 0504 0506 0508 0510 0512 0523 0539 0568 0571 0587 0589 0592 0613 0638 0655 0678 0683 0686 0690 0702 0748 0751 0759 0780 0783 0788 0798 0804 0820 0824 0825 0826 0834 0836 0842 0843 0847 0850 0851 0858 0862 0865 0867 0871 0873 0882 0893 0898 0944 0948 0952 0955 0965 0980 0989 1001 1022 1031 1104 1105 1128 1146 1163 1192 1211 1243 1248 1266 1272 1282 1290 1291 1321 1341 1343 1359 1363 1401 1409 1420 1426 1427 1432 1435 1460 1469 1474 1475 1477 1495 1507 1508 1514 1522 1533 1538 1545 1555 1559 1569 1573 1581 1584 1585 1586 1600 1609 1617 1620 1627 1647 1649 1653 1664 1669 1671 1680 1688 1702 1728 1731 1737 1741 1755 1821 1840 1842 1845 1847 1865
UDC	0085 0230 0733 0747
UEA	0946 0949 1263 1751

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

## SERVICE BULLETIN

OPERATOR	MSN
USA	0052 0053 0054 0055 0064 0065 0066 0067 0076 0077 0081 0082 0098 0099 0317 0448 0543 0584 0661 0762 0770 0803 0844 0856 0861 0863 0866 0868 0885 0889 0890 0896 0904 0922 0924 0929 0931 0953 0972 0997 1003 1019 1033 1038 1040 1043 1046 1049 1050 1051 1052 1055 1056 1061 1064 1065 1069 1075 1079 1083 1088 1095 1097 1109 1110 1111 1112 1114 1116 1122 1134 1135 1141 1148 1166 1178 1182 1196 1203 1205 1223 1224 1234 1245 1254 1264 1265 1268 1269 1274 1275 1281 1284 1287 1289 1294 1297 1298 1301 1310 1311 1313 1314 1315 1317 1319 1323 1326 1328 1331 1340 1342 1348 1350 1354 1358 1360 1369 1371 1373 1375 1378 1382 1389 1391 1393 1395 1397 1403 1406 1410 1412 1417 1419 1425 1431 1436 1442 1447 1455 1462 1463 1465 1472 1481 1490 1492 1496 1499 1517 1519 1521 1525 1527 1531 1534 1536 1539 1547 1552 1563 1565 1576 1621 1643 1644 1651 1666 1701 1704 1710 1724 1764 1792 1844 1935 2193 2302 2312 2359 2405 2422 2430 2458 2482 2570 2595 2613 2615 2630 2669 2690
VBW	0588
VIM	2108 2732 2804
VKG	1881 1887 1889 1921 1932 1954 1960 1972
VLG	1413 2207 2227 2388 2407 2761 2785 2794 2798 2962 2988
VLK	0422 0528 0714 0730
VLU	2156 2164
VOI	1140 1159 2657 2666 2771 2780 2979 2997 3045
VRD	2616 2674 2740 2773 2778 2800 2811 2830 2851 2993
VUN	1017
WGT	1212
WHT	1256
WVL	2571
WZZ	0839 0892 1635 1834 1892 1902 2688 2752
XLF	0343 0407 0973

(c) Effectivity by MSN and Kit/Configuration

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

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

## SERVICE BULLETIN

1599 2035 2059 2071 2081 2100 2109 2317 2328 2333 2344 2350 2358 2367 2377  
2394 2523 2544 2552 2575 2582 2601 2686 2750 2910 2918 2931 2951 2955  
2967 2972 3001 3009 3030

KIT No.	QTY PER A/C	CONFIGURATION
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211165D01R01	1	01
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The Kits and configurations applicable to these MSNs are given at the end of this list

2037 2043 2050 2053 2062 2119-2120 2129 2170 2176 2181 2184 2196 2213-2214  
2224 2228 2230 2245 2249 2251 2265 2271 2277 2279 2283 2289 2296 2300 2306  
2319 2335 2346 2353 2360 2362 2370 2378 2380 2383 2385 2387 2396 2398 2402  
2404 2412 2414 2420 2427 2431 2436 2440 2442 2444 2446 2450 2452 2456 2460  
2463 2467-2468 2471 2477 2481 2487 2492 2495 2503 2512 2514 2516 2527-2528  
2538 2545 2548 2550-2551 2556-2557 2559 2561 2565 2578 2581 2586 2588 2592  
2605 2611 2614 2617 2621 2625 2634 2636 2638 2643-2644 2646 2650 2657 2664  
2666 2675 2677 2681 2691 2694 2697 2702 2706 2709 2715-2716 2720 2727 2729  
2733 2735 2738-2739 2742 2744 2746 2748 2754 2765 2769 2771 2777 2779-2780  
2782 2786 2788 2790 2795 2801 2803 2805-2806 2812-2813 2818-2819 2821 2827  
2829 2831 2833 2837 2839 2843 2845 2847 2850 2852 2854 2858 2860 2864 2866  
2870 2872-2873 2876 2884 2886-2890 2892 2894 2897 2921 2923 2946 2949 2959  
2969 2976 2979 2981 3003 3011 3017 3019-3020 3026 3041 3043 3045

KIT No.	QTY PER A/C	CONFIGURATION
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211165D01R01	1	03
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The Kits and configurations applicable to these MSNs are given at the end of this list

0546 0572 0578 0588 0598 0600 0608-0610 0612 0616 0618 0621 0623 0625 0627  
0629 0634 0636-0637 0639 0641 0644 0646-0647 0649 0651 0654 0656 0660 0670  
0672 0679 0682 0686 0688-0691 0693-0695 0697 0700 0711 0713 0717 0719 0721  
0723 0727-0729 0732 0734 0736 0738 0740 0742 0744 0748 0750 0752 0755 0757  
0759 0763 0767 0769 0773 0779 0783 0785 0788 0790 0794 0798 0800 0804 0813  
0817 0821 0825 0829 0831 0833 0837 0840 0843 0845 0847 0850 0853 0858 0860  
0862 0867 0869 0871 0873 0875 0880 0882 0889 0893 0898 0906 0910 0913 0917  
0924 0931 0933 0938 0944 0948 0952 0965 0976 0979-0980 0985 0989 0998 1000  
1002 1010 1016 1018 1020 1022 1025 1029 1031 1034 1036 1043 1048-1049 1053  
1056 1064 1066 1068 1074 1082 1086 1088 1092 1096 1098 1100 1102-1103 1106  
1111 1113 1115-1116 1118 1120 1124 1127 1139-1140 1142 1145 1151 1157  
1159-1160 1165 1169 1172 1176 1178 1190 1193 1197 1201 1211-1212 1216  
1222-1223 1225 1228 1232 1236 1239 1243 1252 1256 1258 1261 1267 1271 1279  
1281 1283 1291 1295 1305 1321 1323 1329 1335-1336 1338 1344 1350 1373 1375  
1380 1384 1388 1395 1397 1401 1404 1406 1410 1415 1420 1423 1426 1429 1440  
1444-1445 1449 1460 1463 1466 1468 1471 1474 1477 1479 1485 1490 1494 1505  
1507 1510 1513 1522 1524 1527 1529 1534 1537 1545 1547 1552 1556 1558  
1562-1563 1565 1569 1573-1577 1581 1585 1589-1590 1594 1600 1604 1606 1608  
1616 1618 1622 1627 1630 1634 1640 1643 1645 1647 1649 1653 1656 1664 1668  
1671 1673 1677 1688 1698-1699 1703 1718 1727 1729 1731 1733 1737 1742 1750  
1756 1758 1765 1768 1790 1795 1801 1805 1826 1831 1837 1844 1853 1855 1866  
1872 1880 1882 1886 1893 1908 1912 1925 1934 1938 1947 1952 1955 1962-1963  
1999-2000 2007 2012 2015 2066 2078 2089 2096 2098 2113 2122 2126 2131 2172

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2174 2186 2188 2192 2194 2202 2205 2237 2262-2263 2269 2285 2293 2295 2298  
2302 2304 2313 2321 2332 2339 2341 2348 2382 2389 2416 2421 2429 2454 2458  
2466 2494 2499 2507-2508 2510 2525 2532 2534 2547 2568 2570 2572 2585  
2595 2597 2615 2639 2652 2669 2690

KIT No.	QTY PER A/C	CONFIGURATION
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211165D01R01	1	06
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211165D04R00	1	06
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The Kits and configurations applicable to these MSNs are given at the end of this list

0002 0005 0007-0008 0014 0019-0021 0029 0035 0037-0039 0042-0043 0045-0059  
0061-0078 0080-0086 0089-0090 0093-0104 0109-0114 0116-0117 0119-0120  
0122 0124 0126-0129 0133 0135 0137 0140-0142 0147 0149-0150 0154 0157 0159  
0161-0164 0169 0172 0180 0183 0185-0188 0191 0193 0200-0203 0205 0209  
0216-0218 0220-0222 0225-0230 0233 0242-0243 0247-0257 0259-0260 0265  
0267-0269 0275-0277 0280 0285-0287 0290-0296 0299 0301-0302 0305 0308  
0310-0311 0314-0317 0320-0322 0324 0326-0327 0330 0332-0336 0341-0342  
0344 0346-0350 0353-0354 0357 0359 0361-0363 0368-0370 0373 0376 0378-0379  
0382 0384 0386 0389-0392 0396 0398 0401-0402 0405-0406 0411 0414-0416  
0422-0426 0428-0432 0437 0440-0441 0443-0444 0446-0449 0451 0453 0455  
0460-0461 0467 0469 0471 0476 0478 0480 0486 0490 0492 0496 0499 0511  
0527-0528 0530 0533 0540 0545 0548 0551 0553 0556 0558-0559 0561-0562  
0565-0566 0573-0575 0577 0580 0582 0584-0585 0590 0594 0596 0601 0603 0605  
0607 0611 0615 0617 0619 0622 0624 0626 0628 0630 0635 0640 0643 0648 0650  
0653 0657 0659 0661-0662 0667 0673 0676 0681 0701 0703 0726 0733 0741 0747  
0756 0758 0760 0762 0768 0770 0774 0776 0782 0784 0791 0793 0795 0797 0803  
0805 0809 0812 0814 0816 0822 0856 0866 0870 0872 0874 0877 0881 0884 0894  
0899 0902 0905 0912 0916 0919 0930 0934 0937 0942 0945 0947 0953 0957-0958  
0960 0969 0971 0975 0982 0990 1003 1007 1009 1013-1014 1026 1050 1054 1075  
1079 1081 1083 1110 1121 1123 1125 1132 1137 1143 1150 1156 1158 1162 1166  
1173 1177 1179 1181 1183 1187 1189 1194 1196 1206 1215 1231 1234-1235 1237  
1240 1242 1244 1246 1251 1253 1257 1259 1270 1274 1280 1284 1300 1302 1304  
1306 1308 1320 1322 1327 1332 1334 1337 1339 1349 1351 1353 1355 1365  
1367-1368 1370 1376 1381 1383 1385 1387 1394 1398 1400 1402 1407 1411 1413  
1416 1418-1419 1422 1424 1437 1439 1443 1446 1450 1452 1459 1464 1467 1478  
1482 1486 1491 1497 1500 1502 1504 1506 1509 1512 1518 1523 1526 1528 1546  
1548 1553 1557 1561 1568 1571 1580 1591 1593 1595 1597 1605 1610 1613 1621  
1624 1626 1628 1631 1637 1644 1650 1652 1657 1661 1663 1665 1667 1672 1676  
1682 1687 1689 1692 1696-1697 1700 1705 1708 1710 1715 1719 1721 1723 1730  
1732 1739 1744 1749 1754 1760 1762 1764 1769 1771 1777 1780 1782 1784-1785  
1787 1792 1797 1799 1802 1804 1806 1814 1816 1818 1823 1825 1827 1829 1832  
1835 1838 1849 1852 1854 1856-1858 1861-1862 1864 1868 1871 1873-1874 1877  
1879 1883 1885 1888-1889 1891 1894 1896 1898-1900 1903-1904 1907 1909-1910  
1914-1915 1917-1918 1920 1922 1924 1927 1929 1931 1933 1937 1940 1942  
1944-1945 1948-1949 1951 1954 1958 1961 1965 1968 1975 1979 1987 1993 1996  
1998 2003 2006 2009 2011 2016 2018 2020 2024 2027 2029 2031 2038 2040 2042  
2058 2063 2075 2077 2084 2099 2102 2108 2114 2118 2125 2128 2132 2134  
2136-2137 2140-2142 2145 2147 2149-2150 2152 2156-2160 2162 2164 2166-2169  
2177-2178 2180 2183 2185 2189 2191 2193 2195 2197 2201 2204 2206-2207 2210  
2215 2217 2223 2227 2229 2231 2238 2246 2250 2252 2256 2259 2272 2278 2280

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2282 2284 2286 2291-2292 2294 2299 2301 2307 2312 2314 2322 2329 2336 2338  
2349 2352 2359 2364 2366 2368 2374 2376 2384 2386 2390 2395 2397 2399 2401  
2405 2409 2411 2415 2417 2419 2422-2423 2425 2428 2430 2432 2434 2439 2441  
2447 2449 2453 2455 2457 2459 2461 2475 2479 2482 2486 2489 2491 2504 2513  
2515 2517 2520 2522 2524 2526 2529 2531 2535 2537 2539-2540 2542 2564 2569  
2573 2576-2577 2580 2583-2584 2587 2589 2596 2600 2602 2604 2608 2612-2613  
2616 2619 2623 2630 2633 2635 2640 2642 2647 2651 2654 2656 2661 2665 2668  
2670-2671 2678 2683 2685 2696 2699 2703 2705 2710 2712 2717 2721 2724-2725  
2728 2731-2732 2737 2740 2747 2749 2752-2753 2755 2760-2761 2764 2766 2768  
2775-2776 2781 2783 2785 2787 2791-2792 2794 2798 2802 2804 2807-2808 2810  
2814 2816-2817 2820 2822 2826 2832 2835 2838 2840 2842 2844 2846 2848 2853  
2856 2859 2863 2865 2867 2871 2880-2881 2883 2885 2896 2900 2902 2904 2906  
2908 2911 2914 2917 2922 2924 2926 2930 2937 2944-2945 2952 2956 2958 2962  
2964 2966 2968 2970 2977 2982 2988-2994 3000 3002 3004 3006

KIT No.	QTY PER A/C	CONFIGURATION
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211165D01R01	1	10
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211165D04R00	1	10
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The Kits and configurations applicable to these MSNs are given at the end of this list

0412 0458 0468 0473-0474 0484 0493 0502 0505 0517-0520 0522 0535 0538 0541  
0550 0552 0555 0557 0560 0563-0564 0567 0570 0581 0595 0606 0620 0631 0633  
0642 0652 0663-0664 0666 0668 0677 0692 0699 0731 0746 0771 0775 0777 0787  
0792 0796 0810 0815 0827 0835 0841 0852 0855 0864 0878 0887 0891 0901 0908  
0915 0920 0926 0935 0954 0956 0968 0970 0974 0983 0987 0991 0993 0995 1004  
1015 1023-1024 1045 1060 1080 1094 1133 1144 1153 1161 1174 1188 1195 1199  
1202 1207 1214 1218 1260 1273 1276 1293 1299 1307 1333 1356 1366 1399 1408  
1421 1428 1433 1438 1458 1476 1487 1511 1587 1602 1611 1619 1623 1629 1632  
1636 1638 1642 1658 1670 1675 1690-1691 1695 1707 1711 1713 1720 1726 1734  
1748 1763 1772 1783 1794 1798 1807 1811 1817 1843 1848 1850 1859 1869 1881  
1887 1921 1926 1932 1941 1946 1950 1960 1970 1972 1984 1994 2005 2021 2041  
2045 2060 2064 2067 2076 2105 2110 2117 2190 2211 2216 2226 2234 2247 2290  
2305 2320 2323-2324 2351 2363 2410 2462 2536 2543 2553 2610 2653 2682 2687  
2707 2726 2736 2756 2799 2862 2916 2919 2927 2933 2996 3013 3022

KIT No.	QTY PER A/C	CONFIGURATION
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211165D01R01	1	14
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211165D04R00	1	14
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The Kits and configurations applicable to these MSNs are given at the end of this list

1660 1939 1991 2017 2051 2218 2276

KIT No.	QTY PER A/C	CONFIGURATION
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211165D02R00	1	02
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211165D11R00	1	02
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The Kits and configurations applicable to these MSNs are given at the end of this list

2268 2281 2308 2326 2355 2375 2379 2392 2400 2406 2418 2438 2448 2465 2469  
2483 2497 2501 2518-2519 2541 2546 2554-2555 2558 2574 2579 2593 2607 2624  
2628-2629 2631-2632 2648 2655 2660 2662 2667 2672 2684 2693 2700 2751 2757  
2762-2763 2773-2774 2811 2815 2825 2836 2841 2857 2878-2879 2901 2905 2907  
2913 2925 2935 2938 2940 2948 2954 2961 2997 3024 3028 3032 3036

KIT No.	QTY PER A/C	CONFIGURATION
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211165D02R00	1	04
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211165D11R00	1	04
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The Kits and configurations applicable to these MSNs are given at the end of this list

0885 0890 0896 0904 0922 0929 0946 0949 0972 0997 1019 1033 1038 1040 1046  
1051 1055 1058 1062 1069 1071 1073 1077-1078 1084 1089-1091 1095 1097 1107  
1109 1122 1126 1129 1131 1135-1136 1147 1149 1155 1164 1167 1170 1182 1184  
1191 1203 1205 1209 1230 1245 1249 1254 1263 1265 1269 1275 1277 1285 1287  
1289 1297 1301 1303 1309 1311 1313 1315 1317 1319 1324-1326 1328 1331 1340  
1342 1346 1348 1352 1354 1358 1360 1364 1369 1371 1377-1378 1382 1386 1389  
1391-1393 1414 1434 1453 1456 1483 1488 1498 1501 1515 1520 1541 1543 1549  
1551 1560 1567 1570 1579 1582-1583 1598 1601 1603 1612 1625 1654 1659 1662  
1679 1683-1685 1693 1706 1709 1714 1722 1738 1740 1743 1745-1746 1752-1753  
1759 1761 1766 1770 1774 1778-1779 1781 1786 1791 1796 1800 1803 1808 1810  
1815 1819-1820 1824 1828 1833 1839 1841 1846 1851 1863 1870 1875-1876 1884  
1890 1897 1901 1916 1923 1943 1959 1971 1976 1980 1982 1986 1990 1997 2002  
2004 2008 2010 2013 2019 2023 2026 2028 2030 2032-2033 2039 2047 2052 2057  
2069 2072 2074 2083 2086-2087 2091 2093 2095 2101 2103 2124 2127 2179 2198  
2200 2203 2209 2222 2232 2236 2240-2241 2243 2253 2258 2260 2266 2273 2287  
2318 2369 2371 2373 2408 2426 2435 2464 2474 2505 2618 2641

KIT No.	QTY PER A/C	CONFIGURATION
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211165D02R00	1	07
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211165D04R00	1	07
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211165D11R00	1	07
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The Kits and configurations applicable to these MSNs are given at the end of this list

1154 1180 1247 1362 2264 2311 2365

KIT No.	QTY PER A/C	CONFIGURATION
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211165D02R00	1	09
211165D03R00	1	09
211165D04R00	1	09
211165D21R00	1	09

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

0003 0010 0012-0013 0016 0031 0034 0040-0041 0044 0087-0088 0108 0115 0118  
0121 0123 0125 0130 0132 0138-0139 0144-0145 0148 0151-0153 0155-0156  
0160 0165-0168 0170-0171 0174-0175 0178-0179 0181-0182 0184 0189-0190  
0192 0194-0198 0204 0206 0208 0210-0215 0219 0231-0232 0234-0237 0239  
0244-0245 0258 0262-0263 0270 0272-0273 0278-0279 0281-0284 0288-0289  
0297-0298 0300 0306-0307 0309 0313 0318-0319 0325 0328-0329 0331 0337  
0339-0340 0343 0345 0351-0352 0355 0358 0360 0365-0367 0371-0372 0375 0377  
0380-0381 0383 0387-0388 0393-0395 0399-0400 0403-0404 0407-0410 0413  
0417-0421 0427 0435-0436 0438-0439 0442 0445 0450 0452 0454 0456-0457 0459  
0462-0466 0470 0472 0475 0479 0482-0483 0485 0487 0489 0491 0497 0500-0501  
0503-0504 0506-0508 0510 0512 0523 0525 0531 0534 0537 0539 0542-0543 0549  
0554 0568-0569 0571 0579 0587 0589 0592 0613 0638 0645 0655 0658 0665 0669  
0671 0678 0683 0685 0696 0698 0702 0704-0707 0709-0710 0712 0714 0716 0718  
0720 0722 0724 0730 0735 0737 0739 0743 0745 0749 0751 0754 0764 0766 0772  
0778 0780 0786 0799 0801 0807 0818 0820 0824 0826 0828 0830 0832 0834 0836  
0838-0839 0842 0844 0846 0849 0851 0854 0857 0859 0861 0863 0865 0868 0876  
0879 0883 0888 0892 0895 0897 0900 0903 0907 0909 0911 0914 0921 0923 0925  
0928 0932 0936 0939 0943 0950-0951 0955 0962 0964 0966-0967 0973 0977-0978  
0981 0984 0986 0988 0996 0999 1001 1005 1011 1028 1030 1035 1037 1039 1041  
1052 1057 1061 1065 1070 1072 1093 1104-1105 1108 1112 1114 1128 1130 1134  
1138 1141 1146 1148 1152 1163 1168 1171 1175 1192 1198 1210 1213 1217 1224  
1226 1248 1264 1266 1268 1272 1282 1286 1290 1294 1296 1298 1310 1312 1314  
1316 1330 1341 1343 1345 1357 1359 1361 1363 1372 1390 1405 1409 1427 1432  
1435 1441 1448 1457 1469-1470 1473 1475 1480 1489 1493 1495 1508 1514  
1532-1533 1535 1538 1542 1544 1555 1559 1564 1566 1578 1584 1586 1588 1609  
1615 1617 1620 1633 1635 1639 1641 1646 1648 1669 1678 1680 1686 1702 1712  
1717 1725 1728 1735 1741 1747 1751 1755 1757 1767 1773 1775 1789 1812 1821  
1834 1840 1842 1845 1847 1860 1865 1867 1892 1895 1902 1906 1911 1913 1935  
1957 1964 1969 1973 1981 1983 1989 2001 2014 2022 2034 2036 2044 2048-2049  
2054 2056 2061 2065 2068 2070 2073 2079 2082 2085 2088 2090 2092 2094 2097  
2106 2112 2116 2121 2123 2130 2133 2135 2138-2139 2144 2146 2148 2151  
2153-2155 2161 2163 2165 2171 2173 2175 2182 2187 2199 2212 2219 2221 2233  
2235 2239 2244 2254 2257 2274-2275 2288 2297 2310 2316 2325 2327 2331 2334  
2340 2343 2345 2354 2356 2361 2372 2388 2393 2403 2407 2413 2437 2443 2445  
2451 2478 2484 2493 2496 2498 2502 2506 2509 2511 2533 2562 2571 2591 2594  
2598 2606 2609 2620 2626-2627 2637 2645 2649 2658 2663 2674 2676 2680  
2688-2689 2692 2695 2701 2708 2714 2719 2734 2743 2745 2758 2770 2772 2778  
2789 2796 2800 2824 2828 2830 2834 2851 2855 2861 2869 2874-2875 2877 2899  
2909 2915 2920 2928 2932 2934 2939 2941 2943 2947 2950 2953 2960 2973 2975  
2980 2984 2986-2987 2995 2998 3008

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211165D02R00	1	11
211165D04R00	1	11
211165D11R00	1	11

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

0134 0136 0143 0146 0158 0173 0176-0177 0199 0207 0223-0224 0240-0241 0246  
0264 0266 0274 0303 0312 0323 0356 0992 0994 1047 1059 1063 1067 1087 1099  
1101 1119 1200 1208 1221 1229 1255 1262 1288 1292 1318 1347 1379 1396 1430  
1454 1461 1484 1516 1530 1540 1550 1655 1674 1694 1736 1793 1809 2104 2143  
2225 2242 2248 2347 2391

KIT No.	QTY PER A/C	CONFIGURATION
211165D02R00	1	13
211165D03R00	1	13
211165D04R00	1	13
211165D21R00	1	13

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

0364 0385 0498 0509 0521 0529 0544 0591 0597 0604 0614 0674-0675 0680 0684  
0687 0715 0725 0761 0781 0802 0806 0808 0811 0823 0941 0961 0963 1006 1008  
1012 1017 1042 1185 1204 1219 1227 1233 1238 1241 1250 1403 1412 1417 1425  
1431 1436 1442 1447 1451 1455 1462 1465 1472 1481 1492 1496 1499 1503 1517  
1519 1521 1525 1531 1536 1539 1596 1607 1614 1651 1666 1701 1704 1724 1776  
1788 1905 1928 1966 1974 1978 1988 1995 2080 2107 2208 2255 2261 2267 2303  
2309 2315 2330 2337 2342 2480 2521 2530 2549 2713 2730 2741 2759 2767 2793  
2809 2823 2868 2882 2895 2903 2912 2936 2957 2965 2971 2974 2999 3005 3015

KIT No.	QTY PER A/C	CONFIGURATION
211165D02R00	1	15
211165D04R00	1	15
211165D11R00	1	15

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

1021 1027 1554 1572 1681 1716 1836 2115 2220 2270 2357 2381 2472 2488  
2563 2599

KIT No.	QTY PER A/C	CONFIGURATION
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211165D02R00	1	17
211165D03R00	1	17
211165D04R00	1	17
211165D21R00	1	17

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

2424 2433 2470 2473 2485 2490 2560 2567 2603 2622 2659 2673 2679 2698  
2704 2711 2718 2723 2784 2797 2849 2891 2893 2898 2929 2942 2963 2978  
2983 2985 3007

KIT No.	QTY PER A/C	CONFIGURATION
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211165D03R00	1	05
211165D11R00	1	05

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

1592 1936

KIT No.	QTY PER A/C	CONFIGURATION
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211165D03R00	1	08
211165D04R00	1	08
211165D11R00	1	08

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

0886 0918 0927 1032 1076 1085 1117 2046 2566

KIT No.	QTY PER A/C	CONFIGURATION
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211165D03R00	1	12
211165D04R00	1	12
211165D11R00	1	12

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

0434 0477 0488 0494-0495 0513-0516 0524 0526 0532 0576 0583 0586 0593 0599  
0765 0819 0848 0940 0959 1220 1878 1953 1956 1967 1977 2055 2476 2590

KIT No.	QTY PER A/C	CONFIGURATION
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211165D03R00	1	16
211165D04R00	1	16
211165D11R00	1	16

NOTE : Config. 01 is valid for all A318 aircraft given in the effectivity which have MOD 35805K10405 embodied but do not have MOD 20083K00069 and MOD 20082K00067 embodied.

NOTE : Config. 02 is valid for all A318 aircraft given in the effectivity which have MOD 20083K00069 and MOD 35805K10405 embodied but do not have MOD 20082K00067 embodied.

NOTE : Config. 03 is valid for all A319 aircraft given in the effectivity which have MOD 35805K10405 embodied but do not have MOD 20083K00069 and MOD 20082K00067 embodied.

NOTE : Config. 04 is valid for all A319 aircraft given in the effectivity which have MOD 20083K00069 and MOD 35805K10405 embodied but do not have MOD 20082K00067 embodied.

NOTE : Config. 05 is valid for all A319 aircraft given in the effectivity which have MOD 20082K00067 and MOD 35805K10405 embodied but do not have MOD 20083K00069 embodied.

NOTE : Config. 06 is valid for all A319 aircraft given in the effectivity which do not have MOD 20083K00069, MOD 20082K00067 and MOD 35805K10405 embodied.

NOTE : Config. 07 is valid for all A319 aircraft given in the effectivity which have MOD 20083K00069 embodied but do not have MOD 20082K00067 and MOD 35805K10405 embodied.

NOTE : Config. 08 is valid for all A319 aircraft given in the effectivity which have MOD 20082K00067 embodied but do not have MOD 20083K00069 and MOD 35805K10405 embodied.

NOTE : Config. 09 is valid for all A319 aircraft given in the effectivity which have MOD 20083K00069 and MOD 20082K00067 embodied but do not have MOD 35805K10405 embodied.

NOTE : Config. 10 is valid for all A320 aircraft given in the effectivity which do not have MOD 20083K00069, MOD 20082K00067 and MOD 35805K10405 embodied.

NOTE : Config. 11 is valid for all A320 aircraft given in the effectivity which have MOD 20083K00069 embodied but do not have MOD 20082K00067 and MOD 35805K10405 embodied.

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NOTE : Config. 12 is valid for all A320 aircraft given in the effectivity which have MOD 20082K00067 embodied but do not have MOD 20083K00069 and MOD 35805K10405 embodied.

NOTE : Config. 13 is valid for all A320 aircraft given in the effectivity which have MOD 20083K00069 and MOD 20082K00067 embodied but do not have MOD 35805K10405 embodied.

NOTE : Config. 14 is valid for all A321 aircraft given in the effectivity which do not have MOD 20083K00069, MOD 20082K00067 and MOD 35805K10405 embodied.

NOTE : Config. 15 is valid for all A321 aircraft given in the effectivity which have MOD 20083K00069 embodied but do not have MOD 20082K00067 and MOD 35805K10405 embodied.

NOTE : Config. 16 is valid for all A321 aircraft given in the effectivity which have MOD 20082K00067 embodied but do not have MOD 20083K00069 and MOD 35805K10405 embodied.

NOTE : Config. 17 is valid for all A321 aircraft given in the effectivity which have MOD 20083K00069 and MOD 20082K00067 embodied but do not have MOD 35805K10405 embodied.

(3) Spares

None

## **B. CONCURRENT REQUIREMENTS**

None

## **C. REASON**

(1) History

Investigations have shown that the present standard of diverse hot air duct seals made of silicone (NSA8206) can lose their sealing capabilities after some time in service. This can cause air leakages and subsequent equipment wear. To improve the equipment reliability, the silicone seals have to be replaced by seals made of PTFE (ABS5800).

(2) Objective/Action

This Service Bulletin describes the replacement of the silicone seals in the air conditioning system.

(3) Advantages

Accomplishment of this Service bulletin will improve the air conditioning equipment reliability.

(4) Operational/Maintenance Consequences

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The installation of the new ABS5800 seals cancels the requirements of the ATA21 dedicated MPD task 215200-07-1 for the NSA8206 seals.

**D. DESCRIPTION**

To accomplish this Service Bulletin it is necessary to :

- (1) Config. 01 Config. 03
  - (a) Replace the seal of the air duct upstream of the flow control valves (8HB) and (11HB).
  - (b) Replace the seal of the trim air check valves (18HM) and (19HM).
  - (c) Replace the seal of the pressure regulating valve (14HK).
  - (d) Replace the seal of the trim air valves (11HK), (12HK) and (13HK).
  - (e) Replace the seal of the blanking cap at the flange of the hot air collector.
  - (f) Replace the seal of the blanking cap at the flange of the APU bleed air duct.
- (2) Config. 02 Config. 04
  - (a) Replace the seal of the air duct upstream of the flow control valves (8HB) and (11HB).
  - (b) Replace the seal of the trim air check valves (18HM) and (19HM).
  - (c) Replace the seal of the pressure regulating valve (14HK).
  - (d) Replace the seal of the trim air valves (11HK), (12HK) and (13HK).
  - (e) Replace the seal of the blanking cap at the flange of the hot air collector.
  - (f) Replace the seal of the AFT cargo compartment trim air valve (12HC).
  - (g) Replace the seal of the AFT cargo compartment pressure regulating valve (11HC).
- (3) Config. 05
  - (a) Replace the seal of the air duct upstream of the flow control valves (8HB) and (11HB).
  - (b) Replace the seal of the trim air check valves (18HM) and (19HM).
  - (c) Replace the seal of the pressure regulating valve (14HK).
  - (d) Replace the seal of the trim air valves (11HK), (12HK) and (13HK).
  - (e) Replace the seal of the blanking cap at the flange of the APU bleed air duct.
  - (f) Replace the seals of the FWD cargo compartment trim air valve (2HC).
- (4) Config. 06 Config. 10 Config. 14

- (a) Replace the seal of the air duct upstream of the flow control valves (8HB) and (11HB).
  - (b) Replace the seal of the trim air check valves (18HM) and (19HM).
  - (c) Replace the seal of the pressure regulating valve (14HK).
  - (d) Replace the seal of the trim air valves (11HK), (12HK) and (13HK).
  - (e) Replace the seal of the blanking cap at the flange of the hot air collector.
  - (f) Replace the seal of the blanking cap at the flange of the APU bleed air duct.
  - (g) Replace the seal of the pipe assembly at the bypass air duct of the primary heat exchanger.
- (5) Config. 07 Config. 11 Config. 15
- (a) Replace the seal of the air duct upstream of the flow control valves (8HB) and (11HB).
  - (b) Replace the seal of the trim air check valves (18HM) and (19HM).
  - (c) Replace the seal of the pressure regulating valve (14HK).
  - (d) Replace the seal of the trim air valves (11HK), (12HK) and (13HK).
  - (e) Replace the seal of the blanking cap at the flange of the hot air collector.
  - (f) Replace the seal of the AFT cargo compartment trim air valve (12HC).
  - (g) Replace the seal of the AFT cargo compartment pressure regulating valve (11HC).
  - (h) Replace the seal of the pipe assembly at the bypass air duct of the primary heat exchanger.
- (6) Config. 08 Config. 12 Config. 16
- (a) Replace the seal of the air duct upstream of the flow control valves (8HB) and (11HB).
  - (b) Replace the seal of the trim air check valves (18HM) and (19HM).
  - (c) Replace the seal of the pressure regulating valve (14HK).
  - (d) Replace the seal of the trim air valves (11HK), (12HK) and (13HK).
  - (e) Replace the seal of the blanking cap at the flange of the APU bleed air duct.
  - (f) Replace the seals of the FWD cargo compartment trim air valve (2HC).
  - (g) Replace the seal of the pipe assembly at the bypass air duct of the primary heat exchanger.
- (7) Config. 09 Config. 13 Config. 17

- (a) Replace the seal of the air duct upstream of the flow control valves (8HB) and (11HB).
- (b) Replace the seal of the trim air check valves (18HM) and (19HM).
- (c) Replace the seal of the pressure regulating valve (14HK).
- (d) Replace the seal of the trim air valves (11HK), (12HK) and (13HK).
- (e) Replace the seal of the AFT cargo compartment trim air valve (12HC).
- (f) Replace the seal of the AFT cargo compartment pressure regulating valve (11HC).
- (g) Replace the seals of the FWD cargo compartment trim air valve (2HC).
- (h) Replace the seal of the pipe assembly at the bypass air duct of the primary heat exchanger.

**E. COMPLIANCE**

- (1) Classification

Desirable

- (2) Accomplishment Timescale

Operators who have experienced the occurrence described above should consider accomplishment of this Service Bulletin at their convenience.

**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.

Config. 01 Config. 03

Get Access	2.00
Replace the seal of the valve (8HB)	0.50
Replace the seal of the valve (11HB)	0.50

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Replace the seal of the valve (18HM)	0.75
Replace the seal of the valve (19HM)	0.75
Replace the seal of the valve (14HK)	0.50
Replace the seal of the valve (11HK)	0.50
Replace the seal of the valve (12HK)	0.50
Replace the seal of the valve (13HK)	0.50
Replace the seal of the blanking cap	0.25
Replace the seal of the blanking cap	0.25
Test	1.50
Close-up	2.00
<b>TOTAL MANHOURS</b>	<b>10.50</b>
<b>ELAPSED TIME (HOURS)</b>	<b>8.00</b>

Config. 02 Config. 04

Get Access	2.00
Replace the seal of the valve (8HB)	0.50
Replace the seal of the valve (11HB)	0.50
Replace the seal of the valve (18HM)	0.75
Replace the seal of the valve (19HM)	0.75
Replace the seal of the valve (14HK)	0.50
Replace the seal of the valve (11HK)	0.50
Replace the seal of the valve (12HK)	0.50
Replace the seal of the valve (13HK)	0.50
Replace the seal of the blanking cap	0.25
Replace the seal of the valve (12HC)	0.50
Replace the seal of the valve (11HC)	0.50
Test	1.50
Close-up	2.00

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<b>TOTAL MANHOURS</b>	<b>11.25</b>
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<b>ELAPSED TIME (HOURS)</b>	<b>8.75</b>
-----------------------------	-------------

Config. 05

Get Access	2.00
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Replace the seal of the valve (8HB)	0.50
-------------------------------------	------

Replace the seal of the valve (11HB)	0.50
--------------------------------------	------

Replace the seal of the valve (18HM)	0.75
--------------------------------------	------

Replace the seal of the valve (19HM)	0.75
--------------------------------------	------

Replace the seal of the valve (14HK)	0.50
--------------------------------------	------

Replace the seal of the valve (11HK)	0.50
--------------------------------------	------

Replace the seal of the valve (12HK)	0.50
--------------------------------------	------

Replace the seal of the valve (13HK)	0.50
--------------------------------------	------

Replace the seal of the blanking cap	0.25
--------------------------------------	------

Replace the seal of the valve (2HC)	0.50
-------------------------------------	------

Test	1.50
------	------

Close-up	2.00
----------	------

<b>TOTAL MANHOURS</b>	<b>10.75</b>
-----------------------	--------------

<b>ELAPSED TIME (HOURS)</b>	<b>8.25</b>
-----------------------------	-------------

Config. 06 Config. 10 Config. 14

Get Access	2.00
------------	------

Replace the seal of the valve (8HB)	0.50
-------------------------------------	------

Replace the seal of the valve (11HB)	0.50
--------------------------------------	------

Replace the seal of the valve (18HM)	0.75
--------------------------------------	------

Replace the seal of the valve (19HM)	0.75
--------------------------------------	------

Replace the seal of the valve (14HK)	0.50
--------------------------------------	------

Replace the seal of the valve (11HK)	0.50
--------------------------------------	------

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Replace the seal of the valve (12HK)	0.50
Replace the seal of the valve (13HK)	0.50
Replace the seal of the blanking cap	0.25
Replace the seal of the blanking cap	0.25
Replace the seal of the pipe assembly	0.25
Test	1.50
Close-up	2.00
<b>TOTAL MANHOURS</b>	<b>10.75</b>
<b>ELAPSED TIME (HOURS)</b>	<b>8.50</b>

Config. 07 Config. 11 Config. 15

Get Access	2.00
Replace the seal of the valve (8HB)	0.50
Replace the seal of the valve (11HB)	0.50
Replace the seal of the valve (18HM)	0.75
Replace the seal of the valve (19HM)	0.75
Replace the seal of the valve (14HK)	0.50
Replace the seal of the valve (11HK)	0.50
Replace the seal of the valve (12HK)	0.50
Replace the seal of the valve (13HK)	0.50
Replace the seal of the blanking cap	0.25
Replace the seal of the valve (12HC)	0.50
Replace the seal of the valve (11HC)	0.50
Replace the seal of the pipe assembly	0.25
Test	1.50
Close-up	2.00
<b>TOTAL MANHOURS</b>	<b>11.50</b>
<b>ELAPSED TIME (HOURS)</b>	<b>9.00</b>

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Config. 08 Config. 12 Config. 16

Get Access	2.00
Replace the seal of the valve (8HB)	0.50
Replace the seal of the valve (11HB)	0.50
Replace the seal of the valve (18HM)	0.75
Replace the seal of the valve (19HM)	0.75
Replace the seal of the valve (14HK)	0.50
Replace the seal of the valve (11HK)	0.50
Replace the seal of the valve (12HK)	0.50
Replace the seal of the valve (13HK)	0.50
Replace the seal of the blanking cap	0.25
Replace the seal of the valve (2HC)	0.50
Replace the seal of the pipe assembly	0.25
Test	1.50
Close-up	2.00
<b>TOTAL MANHOURS</b>	<b>11.00</b>
<b>ELAPSED TIME (HOURS)</b>	<b>8.50</b>

Config. 09 Config. 13 Config. 17

Get Access	2.00
Replace the seal of the valve (8HB)	0.50
Replace the seal of the valve (11HB)	0.50
Replace the seal of the valve (18HM)	0.75
Replace the seal of the valve (19HM)	0.75
Replace the seal of the valve (14HK)	0.50
Replace the seal of the valve (11HK)	0.50
Replace the seal of the valve (12HK)	0.50
Replace the seal of the valve (13HK)	0.50

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Replace the seal of the valve (12HC)	0.50
Replace the seal of the valve (11HC)	0.50
Replace the seal of the valve (2HC)	0.50
Replace the seal of the pipe assembly	0.25
Test	1.50
Close-up	2.00
<b>TOTAL MANHOURS</b>	<b>11.75</b>
<b>ELAPSED TIME (HOURS)</b>	<b>9.50</b>

### **H. WEIGHT AND BALANCE**

Not changed

### **I. ELECTRICAL LOAD DATA**

Not changed

### **J. REFERENCES**

Aircraft Maintenance Manual (AMM) : 06-31-53 06-41-53 12-33-21 12-34-24  
21-43-00 21-43-51 21-43-52 21-43-53  
21-51-51 21-52-23 21-61-00 21-63-00  
21-63-42 21-63-51 21-63-52

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

AIRBUS Standards Manual (SM)

### **K. PUBLICATIONS AFFECTED**

Aircraft Maintenance Manual (AMM) : 21-52-23

Illustrated Parts Catalog (IPC) : 21-43-02 21-43-04 21-51-03 21-52-03  
21-63-03

Maintenance Planning Document (MPD) task 215200-07-1

### **L. INTERCHANGEABILITY/MIXABILITY**

DESCRIPTION	OLD PART No.	NEW PART No.	INT	MIXABILITY
seal	NSA8206-146	ABS5800B040A	03	None
seal	NSA8206-226	ABS5800D028A	03	None
seal	NSA8206-228	ABS5800D032A	03	None
seal	NSA8206-236	ABS5800D048A	03	None
seal	NSA8206-243	ABS5800G064A	03	None

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- NOTE : For definitions of interchangeability codes in column INT. refer to ATA Common Support Data Dictionary (CSDD), Chapter 2.
- NOTE(01) The interchangeability code 03 becomes 02 if the ATA21 MPD task 215200-07-1 is applied for the installed NSA8206 seals.
- NOTE(02) Instead of the old P/N NSA8206-226, the old P/N NSA8206-225 can be installed. If you find the old P/N NSA8206-225, replace it by the new P/N ABS5800D028A.
- NOTE(03) Instead of the old P/N NSA8206-228, the old P/N NSA8206-227 can be installed. If you find the old P/N NSA8206-227, replace it by the new P/N ABS5800D032A.
- NOTE(04) Instead of the old P/N NSA8206-146, the old P/N NSA8206-145 can be installed. If you find the old P/N NSA8206-145, replace it by the new P/N ABS5800B040A.
- NOTE(05) Instead of the old P/N NSA8206-236, the old P/N NSA8206-235 can be installed. If you find the old P/N NSA8206-235, replace it by the new P/N ABS5800D048A.

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**2. MATERIAL INFORMATION****A. MATERIAL - PRICE AND AVAILABILITY****(1) Material**

Customers with aircraft shown in the effectivity of this Service Bulletin should send a purchase order to AIRBUS. Quote the number of this Service Bulletin. The address is :

AIRBUS  
SPARES SUPPORT AND SERVICES  
Weg beim Jaeger 150  
D-22335 HAMBURG  
GERMANY

For ordering by internet: <http://spares.airbus.com>  
For ordering by fax: +49 40 50 76 25 90

**(2) Price and Availability**

Kit 211165D01R01

Cost : 2573 US dollars

Availability : 90 calendar days from receipt of order

The Kit availability given above is the standard lead time from the date of your purchase order. If you require the Kit(s) before this time, please include a retrofit planning schedule with your order so that we can try to comply with your requirements.

The sales terms (costs and availability) are estimated in relation to economic conditions at the issue date of the Service Bulletin.

Kit 211165D02R00

Cost : 615 US dollars

Availability : 90 calendar days from receipt of order

The Kit availability given above is the standard lead time from the date of your purchase order. If you require the Kit(s) before this time, please include a retrofit planning schedule with your order so that we can try to comply with your requirements.

The sales terms (costs and availability) are estimated in relation to economic conditions at the issue date of the Service Bulletin.

Kit 211165D03R00

Cost : 246 US dollars

Availability : 90 calendar days from receipt of order

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The Kit availability given above is the standard lead time from the date of your purchase order. If you require the Kit(s) before this time, please include a retrofit planning schedule with your order so that we can try to comply with your requirements.

The sales terms (costs and availability) are estimated in relation to economic conditions at the issue date of the Service Bulletin.

Kit 211165D04R00

Cost : 214 US dollars

Availability : 90 calendar days from receipt of order

The Kit availability given above is the standard lead time from the date of your purchase order. If you require the Kit(s) before this time, please include a retrofit planning schedule with your order so that we can try to comply with your requirements.

The sales terms (costs and availability) are estimated in relation to economic conditions at the issue date of the Service Bulletin.

Kit 211165D11R00

Cost : 1960 US dollars

Availability : 90 calendar days from receipt of order

The Kit availability given above is the standard lead time from the date of your purchase order. If you require the Kit(s) before this time, please include a retrofit planning schedule with your order so that we can try to comply with your requirements.

The sales terms (costs and availability) are estimated in relation to economic conditions at the issue date of the Service Bulletin.

Kit 211165D21R00

Cost : 1838 US dollars

Availability : 90 calendar days from receipt of order

The Kit availability given above is the standard lead time from the date of your purchase order. If you require the Kit(s) before this time, please include a retrofit planning schedule with your order so that we can try to comply with your requirements.

The sales terms (costs and availability) are estimated in relation to economic conditions at the issue date of the Service Bulletin.

### **B. INDUSTRY SUPPORT INFORMATION**

Airbus will provide a 20 percent reduction to the applicable sales prices given in paragraph 2.A.(2) for orders placed before 31/December/2013.

### C. LIST OF COMPONENTS

Kit 211165D01R01

ITEM	NEW PART No.	QTY	UM	KEYWORD	ITEM	OLD PART No.	INT INST DISP
1	ABS5800B040A	4		SEAL	(1)	NSA8206-146	03 *
2	ABS5800D028A	2		SEAL	(2)	NSA8206-226	03 *
3	ABS5800D032A	6		SEAL	(3)	NSA8206-228	03 *
4	ABS5800D048A	2		SEAL	(4)	NSA8206-236	03 *
5	ABS5800G064A	2		SEAL	(5)	NSA8206-243	03 *
6	MS21043-3	12		NUT			
7	NAS1149C0332R	12		WASHER			
8	NAS6703-5	12		BOLT			

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

NOTE(\*) Discard

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

Kit 211165D02R00

ITEM	NEW PART No.	QTY	UM	KEYWORD	ITEM	OLD PART No.	INT INST DISP
2	ABS5800D028A	5		SEAL	(2)	NSA8206-226	03 *

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

NOTE(\*) Discard

Kit 211165D03R00

ITEM	NEW PART No.	QTY	UM	KEYWORD	ITEM	OLD PART No.	INT INST DISP
2	ABS5800D028A	2		SEAL	(2)	NSA8206-226	03 *

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

NOTE(\*) Discard

Kit 211165D04R00

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

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3      ABS5800D032A      2      SEAL      (3)      NSA8206-228      03      \*

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

NOTE(\*)      Discard

Kit 211165D11R00

ITEM	NEW PART No.	QTY	UM	KEYWORD	ITEM	OLD PART No.	INT INST DISP
1	ABS5800B040A	4		SEAL	(1)	NSA8206-146	03 *
2	ABS5800D028A	1		SEAL	(2)	NSA8206-226	03 *
3	ABS5800D032A	6		SEAL	(3)	NSA8206-228	03 *
4	ABS5800D048A	2		SEAL	(4)	NSA8206-236	03 *
5	ABS5800G064A	2		SEAL	(5)	NSA8206-243	03 *
6	MS21043-3	12		NUT			
7	NAS1149C0332R	12		WASHER			
8	NAS6703-5	12		BOLT			

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

NOTE(\*)      Discard

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

Kit 211165D21R00

ITEM	NEW PART No.	QTY	UM	KEYWORD	ITEM	OLD PART No.	INT INST DISP
1	ABS5800B040A	4		SEAL	(1)	NSA8206-146	03 *
3	ABS5800D032A	6		SEAL	(3)	NSA8206-228	03 *
4	ABS5800D048A	2		SEAL	(4)	NSA8206-236	03 *
5	ABS5800G064A	2		SEAL	(5)	NSA8206-243	03 *
6	MS21043-3	12		NUT			
7	NAS1149C0332R	12		WASHER			
8	NAS6703-5	12		BOLT			

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

NOTE(\*)      Discard

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

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**D. LIST OF MATERIALS - OPERATOR SUPPLIED**

(1) Consumable Materials

None

(2) Components

None

**E. PARTS TO BE RE-IDENTIFIED BY THE OPERATOR**

None

**F. TOOLING - PRICE AND AVAILABILITY**

None

**G. SPECIAL TOOLS**

None

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**3. ACCOMPLISHMENT INSTRUCTIONS****A. GENERAL**

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

CAUTION : ALWAYS OBEY THE PRECAUTIONS THAT FOLLOW TO KEEP ELECTRICAL WIRING IN A SATISFACTORY CONDITION (ELECTRICALLY AND MECHANICALLY SERVICEABLE). WHEN YOU DO 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.

IN CASE OF CONTAMINATION REFER TO ESPM 20-55-00.

**(1) Preparation****(a) Config. 01 Config. 03**

- 1 Make sure that the aircraft is electrically grounded (Refer to AMM 12-34-24, Page block 201).
- 2 Do the preparation as specified in the removal procedure of the air duct upstream of the flow control valves (8HB) and (11HB) (Refer to AMM 21-51-51, Page block 401).
- 3 Do the preparation as specified in the removal procedure of the trim air check valves (18HM) and (19HM) (Refer to AMM 21-63-42, Page block 401).
- 4 Do the preparation as specified in the removal procedure of the pressure regulating valve (14HK) (Refer to AMM 21-63-52, Page block 401).
- 5 Do the preparation as specified in the removal procedure of the trim air valves (11HK), (12HK) and (13HK) (Refer to AMM 21-63-51, Page block 401).
- 6 Remove the access panel 197BB (Refer to AMM 06-41-53, Page block 001).

**(b) Config. 02 Config. 04**

- 1 Make sure that the aircraft is electrically grounded (Refer to AMM 12-34-24, Page block 201).
- 2 Do the preparation as specified in the removal procedure of the air duct upstream of the flow control valves (8HB) and (11HB) (Refer to AMM 21-51-51, Page block 401).

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- 3 Do the preparation as specified in the removal procedure of the trim air check valves (18HM) and (19HM) (Refer to AMM 21-63-42, Page block 401).
  - 4 Do the preparation as specified in the removal procedure of the pressure regulating valve (14HK) (Refer to AMM 21-63-52, Page block 401).
  - 5 Do the preparation as specified in the removal procedure of the trim air valves (11HK), (12HK) and (13HK) (Refer to AMM 21-63-51, Page block 401).
  - 6 Do the preparation as specified in the removal procedure of the AFT cargo compartment trim air valve (12HC) (Refer to AMM 21-43-51, Page block 401).
  - 7 Do the preparation as specified in the removal procedure of the AFT cargo compartment pressure regulating valve (11HC) (Refer to AMM 21-43-52, Page block 401).
- (c) Config. 05
- 1 Make sure that the aircraft is electrically grounded (Refer to AMM 12-34-24, Page block 201).
  - 2 Do the preparation as specified in the removal procedure of the air duct upstream of the flow control valves (8HB) and (11HB) (Refer to AMM 21-51-51, Page block 401).
  - 3 Do the preparation as specified in the removal procedure of the trim air check valves (18HM) and (19HM) (Refer to AMM 21-63-42, Page block 401).
  - 4 Do the preparation as specified in the removal procedure of the pressure regulating valve (14HK) (Refer to AMM 21-63-52, Page block 401).
  - 5 Do the preparation as specified in the removal procedure of the trim air valves (11HK), (12HK) and (13HK) (Refer to AMM 21-63-51, Page block 401).
  - 6 Remove the access panel 197BB (Refer to AMM 06-41-53, Page block 001).
  - 7 Do the preparation as specified in the removal procedure of the FWD cargo compartment trim air valve (2HC) (Refer to AMM 21-43-53, Page block 401).
- (d) Config. 06 Config. 10 Config. 14
- 1 Make sure that the aircraft is electrically grounded (Refer to AMM 12-34-24, Page block 201).
  - 2 Do the preparation as specified in the removal procedure of the air duct upstream of the flow control valves (8HB) and (11HB) (Refer to AMM 21-51-51, Page block 401).
  - 3 Do the preparation as specified in the removal procedure of the trim air check valves (18HM) and (19HM) (Refer to AMM 21-63-42, Page block 401).
  - 4 Do the preparation as specified in the removal procedure of the pressure regulating valve (14HK) (Refer to AMM 21-63-52, Page block 401).

- 5 Do the preparation as specified in the removal procedure of the trim air valves (11HK), (12HK) and (13HK) (Refer to AMM 21-63-51, Page block 401).
- 6 Remove the access panel 197BB (Refer to AMM 06-41-53, Page block 001).
- 7 Do the preparation as specified in the removal procedure of the pipe assembly at the bypass air duct of the primary heat exchanger (Refer to AMM 21-52-23, Page block 401).

NOTE : This step is not applicable if Mod. 33320 or Mod. 33780 or Mod. 33827 is embodied.

(e) Config. 07 Config. 11 Config. 15

- 1 Make sure that the aircraft is electrically grounded (Refer to AMM 12-34-24, Page block 201).
- 2 Do the preparation as specified in the removal procedure of the air duct upstream of the flow control valves (8HB) and (11HB) (Refer to AMM 21-51-51, Page block 401).
- 3 Do the preparation as specified in the removal procedure of the trim air check valves (18HM) and (19HM) (Refer to AMM 21-63-42, Page block 401).
- 4 Do the preparation as specified in the removal procedure of the pressure regulating valve (14HK) (Refer to AMM 21-63-52, Page block 401).
- 5 Do the preparation as specified in the removal procedure of the trim air valves (11HK), (12HK) and (13HK) (Refer to AMM 21-63-51, Page block 401).
- 6 Do the preparation as specified in the removal procedure of the AFT cargo compartment trim air valve (12HC) (Refer to AMM 21-43-51, Page block 401).
- 7 Do the preparation as specified in the removal procedure of the AFT cargo compartment pressure regulating valve (11HC) (Refer to AMM 21-43-52, Page block 401).
- 8 Do the preparation as specified in the removal procedure of the pipe assembly at the bypass air duct of the primary heat exchanger (Refer to AMM 21-52-23, Page block 401).

NOTE : This step is not applicable if Mod. 33320 or Mod. 33780 or Mod. 33827 is embodied.

(f) Config. 08 Config. 12 Config. 16

- 1 Make sure that the aircraft is electrically grounded (Refer to AMM 12-34-24, Page block 201).
- 2 Do the preparation as specified in the removal procedure of the air duct upstream of the flow control valves (8HB) and (11HB) (Refer to AMM 21-51-51, Page block 401).

- 3 Do the preparation as specified in the removal procedure of the trim air check valves (18HM) and (19HM) (Refer to AMM 21-63-42, Page block 401).
- 4 Do the preparation as specified in the removal procedure of the pressure regulating valve (14HK) (Refer to AMM 21-63-52, Page block 401).
- 5 Do the preparation as specified in the removal procedure of the trim air valves (11HK), (12HK) and (13HK) (Refer to AMM 21-63-51, Page block 401).
- 6 Remove the access panel 197BB (Refer to AMM 06-41-53, Page block 001).
- 7 Do the preparation as specified in the removal procedure of the FWD cargo compartment trim air valve (2HC) (Refer to AMM 21-43-53, Page block 401).
- 8 Do the preparation as specified in the removal procedure of the pipe assembly at the bypass air duct of the primary heat exchanger (Refer to AMM 21-52-23, Page block 401).

NOTE : This step is not applicable if Mod. 33320 or Mod. 33780 or Mod. 33827 is embodied.

(g) Config. 09 Config. 13 Config. 17

- 1 Make sure that the aircraft is electrically grounded (Refer to AMM 12-34-24, Page block 201).
- 2 Do the preparation as specified in the removal procedure of the air duct upstream of the flow control valves (8HB) and (11HB) (Refer to AMM 21-51-51, Page block 401).
- 3 Do the preparation as specified in the removal procedure of the trim air check valves (18HM) and (19HM) (Refer to AMM 21-63-42, Page block 401).
- 4 Do the preparation as specified in the removal procedure of the pressure regulating valve (14HK) (Refer to AMM 21-63-52, Page block 401).
- 5 Do the preparation as specified in the removal procedure of the trim air valves (11HK), (12HK) and (13HK) (Refer to AMM 21-63-51, Page block 401).
- 6 Do the preparation as specified in the removal procedure of the AFT cargo compartment trim air valve (12HC) (Refer to AMM 21-43-51, Page block 401).
- 7 Do the preparation as specified in the removal procedure of the AFT cargo compartment pressure regulating valve (11HC) (Refer to AMM 21-43-52, Page block 401).
- 8 Do the preparation as specified in the removal procedure of the FWD cargo compartment trim air valve (2HC) (Refer to AMM 21-43-53, Page block 401).
- 9 Do the preparation as specified in the removal procedure of the pipe assembly at the bypass air duct of the primary heat exchanger (Refer to AMM 21-52-23, Page block 401).

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NOTE : This step is not applicable if Mod. 33320 or Mod. 33780 or Mod. 33827 is embodied.

### (2) Standard Practices

- (a) Refer to the Refer to Refer to AIRBUS Standards Manual (SM) if you find part numbers of hardware components in the related kit(s) which you cannot identify in the LIST OF COMPONENTS of this Service Bulletin. The SM will give you the correct part number to part number relationship.
- (b) For the Station/Frame (STA/FR) identification (Refer to AMM 06-31-53, Page block 001)
- (c) For the identification of access panels (Refer to AMM 06-41-53, Page block 001)

## **B. MODIFICATION**

### (1) Config. 01 Config. 03

- (a) Replace the seal of the air duct upstream of the flow control valves (8HB) and (11HB).  
Refer to Kit 211165D01R01  
Refer to Figure 1  
Refer to AMM 21-51-51

1 Remove, as given in AMM 21-51-51, Page block 401 and as shown on Figure 1, Sheet 2, Detail C:

2	Packing-Preformed	NSA8206-243	Item (5)	Discard
---	-------------------	-------------	----------	---------

2 Install, as given in AMM 21-51-51, Page block 401 and as shown on Figure 1, Sheet 2, Detail C:

2	seal	ABS5800G064A	Item 5	
---	------	--------------	--------	--

- (b) Replace the seal of the trim air check valves (18HM) and (19HM).  
Refer to Kit 211165D01R01  
Refer to Figure 1  
Refer to AMM 21-63-42

1 Remove, as given in AMM 21-63-42, Page block 401 and as shown on Figure 1, Sheet 2, Detail B:

4	Packing-Preformed	NSA8206-146	Item (1)	Discard
12	nut		Item (6)	Discard
12	washer		Item (7)	Discard
12	bolt		Item (8)	Discard

2 Install, as given in AMM 21-63-42, Page block 401 and as shown on Figure 1, Sheet 2, Detail B:

4	seal	ABS5800B040A	Item 1	
12	bolt	NAS6703-5	Item 8	
12	washer	NAS1149C0332R	Item 7	

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- |  |        |           |        |  |
|--|--------|-----------|--------|--|
|  | 12 nut | MS21043-3 | Item 6 |  |
|--|--------|-----------|--------|--|
- (c) Replace the seal of the pressure regulating valve (14HK).  
 Refer to Kit 211165D01R01  
 Refer to Figure 2  
 Refer to AMM 21-63-52
- 1 Remove, as given in AMM 21-63-52, Page block 401 and as shown on Figure 2, Sheet 2, Detail B:
- |  |                     |             |          |         |
|--|---------------------|-------------|----------|---------|
|  | 2 Packing-Preformed | NSA8206-236 | Item (4) | Discard |
|--|---------------------|-------------|----------|---------|
- 2 Install, as given in AMM 21-63-52, Page block 401 and as shown on Figure 2, Sheet 2, Detail B:
- |  |        |              |        |  |
|--|--------|--------------|--------|--|
|  | 2 seal | ABS5800D048A | Item 4 |  |
|--|--------|--------------|--------|--|
- (d) Replace the seal of the trim air valves (11HK), (12HK) and (13HK).  
 Refer to Kit 211165D01R01  
 Refer to Figure 2  
 Refer to AMM 21-63-51
- 1 Remove, as given in AMM 21-63-51, Page block 401 and as shown on Figure 2, Sheet 2, Detail C and 3, Detail D:
- |  |                     |             |          |         |
|--|---------------------|-------------|----------|---------|
|  | 6 Packing-Preformed | NSA8206-228 | Item (3) | Discard |
|--|---------------------|-------------|----------|---------|
- 2 Install, as given in AMM 21-63-51, Page block 401 and as shown on Figure 2, Sheet 2, Detail C and 3, Detail D:
- |  |        |              |        |  |
|--|--------|--------------|--------|--|
|  | 6 seal | ABS5800D032A | Item 3 |  |
|--|--------|--------------|--------|--|
- (e) Replace the seal of the blanking cap at the flange of the hot air collector.  
 Refer to Kit 211165D01R01  
 Refer to Figure 2
- 1 Remove, as shown on Figure 2, Sheet 2, Detail C:
- |  |                     |             |           |         |
|--|---------------------|-------------|-----------|---------|
|  | 1 clamp             |             | Item (12) | Retain  |
|  | 1 flange            |             | Item (10) | Retain  |
|  | 1 Packing-Preformed | NSA8206-226 | Item (2)  | Discard |
- 2 Install, as shown on Figure 2, Sheet 2, Detail C:
- |  |          |              |           |          |
|--|----------|--------------|-----------|----------|
|  | 1 seal   | ABS5800D028A | Item 2    |          |
|  | 1 flange |              | Item (10) | Retained |
|  | 1 clamp  |              | Item (12) | Retained |
- (f) Replace the seal of the blanking cap at the flange of the APU bleed air duct.  
 Refer to Kit 211165D01R01  
 Refer to Figure 4
- 1 Remove, and as shown on Figure 4, Sheet 2, Detail B:

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## SERVICE BULLETIN

1	clamp		Item (13)	Retain
1	flange		Item (11)	Retain
1	Packing-Preformed	NSA8206-226	Item (2)	Discard

2 Install, as shown on Figure 4, Sheet 2, Detail B:

1	seal	ABS5800D028A	Item 2	
1	flange		Item (11)	Retained
1	clamp		Item (13)	Retained

(2) Config. 02 Config. 04

- (a) Replace the seal of the air duct upstream of the flow control valves (8HB) and (11HB).  
Refer to Kit 211165D11R00  
Refer to Figure 1  
Refer to AMM 21-51-51

1 Remove, as given in AMM 21-51-51, Page block 401 and as shown on Figure 1, Sheet 2, Detail C:

2	Packing-Preformed	NSA8206-243	Item (5)	Discard
---	-------------------	-------------	----------	---------

2 Install, as given in AMM 21-51-51, Page block 401 and as shown on Figure 1, Sheet 2, Detail C:

2	seal	ABS5800G064A	Item 5	
---	------	--------------	--------	--

- (b) Replace the seal of the trim air check valves (18HM) and (19HM).  
Refer to Kit 211165D11R00  
Refer to Figure 1  
Refer to AMM 21-63-42

1 Remove, as given in AMM 21-63-42, Page block 401 and as shown on Figure 1, Sheet 2, Detail B:

4	Packing-Preformed	NSA8206-146	Item (1)	Discard
12	nut		Item (6)	Discard
12	washer		Item (7)	Discard
12	bolt		Item (8)	Discard

2 Install, as given in AMM 21-63-42, Page block 401 and as shown on Figure 1, Sheet 2, Detail B:

4	seal	ABS5800B040A	Item 1	
12	bolt	NAS6703-5	Item 8	
12	washer	NAS1149C0332R	Item 7	
12	nut	MS21043-3	Item 6	

- (c) Replace the seal of the pressure regulating valve (14HK).  
Refer to Kit 211165D11R00  
Refer to Figure 2  
Refer to AMM 21-63-52

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

## SERVICE BULLETIN

- 1 Remove, as given in AMM 21-63-52, Page block 401 and as shown on Figure 2, Sheet 2, Detail B:
 

2	Packing-Preformed	NSA8206-236	Item (4)	Discard
---	-------------------	-------------	----------	---------
- 2 Install, as given in AMM 21-63-52, Page block 401 and as shown on Figure 2, Sheet 2, Detail B:
 

2	seal	ABS5800D048A	Item 4	
---	------	--------------	--------	--
- (d) Replace the seal of the trim air valves (11HK), (12HK) and (13HK).  
 Refer to Kit 211165D11R00  
 Refer to Figure 2  
 Refer to AMM 21-63-51
  - 1 Remove, as given in AMM 21-63-51, Page block 401 and as shown on Figure 2, Sheet 2, Detail C and 3, Detail D:
 

6	Packing-Preformed	NSA8206-228	Item (3)	Discard
---	-------------------	-------------	----------	---------
  - 2 Install, as given in AMM 21-63-51, Page block 401 and as shown on Figure 2, Sheet 2, Detail C and 3, Detail D:
 

6	seal	ABS5800D032A	Item 3	
---	------	--------------	--------	--
- (e) Replace the seal of the blanking cap at the flange of the hot air collector.  
 Refer to Kit 211165D11R00  
 Refer to Figure 2
  - 1 Remove, as shown on Figure 2, Sheet 2, Detail C:
 

1	clamp		Item (12)	Retain
1	flange		Item (10)	Retain
1	Packing-Preformed	NSA8206-226	Item (2)	Discard
  - 2 Install, as shown on Figure 2, Sheet 2, Detail C:
 

1	seal	ABS5800D028A	Item 2	
1	flange		Item (10)	Retained
1	clamp		Item (12)	Retained
- (f) Replace the seal of the AFT cargo compartment trim air valve (12HC).  
 Refer to Kit 211165D02R00  
 Refer to Figure 5  
 Refer to AMM 21-43-51
  - 1 Remove, as given in AMM 21-43-51, Page block 401 and as shown on Figure 5, Sheet 2, Detail B:
 

2	Packing-Preformed	NSA8206-226	Item (2)	Discard
---	-------------------	-------------	----------	---------
  - 2 Install, as given in AMM 21-43-51, Page block 401 and as shown on Figure 5, Sheet 2, Detail B:

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

## SERVICE BULLETIN

- 2 seal ABS5800D028A Item 2
- (g) Replace the seal of the AFT cargo compartment pressure regulating valve (11HC).  
Refer to Kit 211165D02R00  
Refer to Figure 5  
Refer to AMM 21-43-52
- 1 Remove, as given in AMM 21-43-52, Page block 401 and as shown on Figure 5, Sheet 2, Detail B:
- 3 Packing-Preformed NSA8206-226 Item (2) Discard
- 2 Install, as given in AMM 21-43-52, Page block 401 and as shown on Figure 5, Sheet 2, Detail B:
- 3 seal ABS5800D028A Item 2
- (3) Config. 05
- (a) Replace the seal of the air duct upstream of the flow control valves (8HB) and (11HB).  
Refer to Kit 211165D11R00  
Refer to Figure 1  
Refer to AMM 21-51-51
- 1 Remove, as given in AMM 21-51-51, Page block 401 and as shown on Figure 1, Sheet 2, Detail C:
- 2 Packing-Preformed NSA8206-243 Item (5) Discard
- 2 Install, as given in AMM 21-51-51, Page block 401 and as shown on Figure 1, Sheet 2, Detail C:
- 2 seal ABS5800G064A Item 5
- (b) Replace the seal of the trim air check valves (18HM) and (19HM).  
Refer to Kit 211165D11R00  
Refer to Figure 1  
Refer to AMM 21-63-42
- 1 Remove, as given in AMM 21-63-42, Page block 401 and as shown on Figure 1, Sheet 2, Detail B:
- 4 Packing-Preformed NSA8206-146 Item (1) Discard  
12 nut Item (6) Discard  
12 washer Item (7) Discard  
12 bolt Item (8) Discard
- 2 Install, as given in AMM 21-63-42, Page block 401 and as shown on Figure 1, Sheet 2, Detail B:
- 4 seal ABS5800B040A Item 1  
12 bolt NAS6703-5 Item 8  
12 washer NAS1149C0332R Item 7

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

## SERVICE BULLETIN

- |  |    |     |           |        |
|--|----|-----|-----------|--------|
|  | 12 | nut | MS21043-3 | Item 6 |
|--|----|-----|-----------|--------|
- (c) Replace the seal of the pressure regulating valve (14HK).  
 Refer to Kit 211165D11R00  
 Refer to Figure 3  
 Refer to AMM 21-63-52
- 1 Remove, as given in AMM 21-63-52, Page block 401 and as shown on Figure 3, Sheet 2, Detail B:
- |  |   |                   |             |          |         |
|--|---|-------------------|-------------|----------|---------|
|  | 2 | Packing-Preformed | NSA8206-236 | Item (4) | Discard |
|--|---|-------------------|-------------|----------|---------|
- 2 Install, as given in AMM 21-63-52, Page block 401 and as shown on Figure 3, Sheet 2, Detail B:
- |  |   |      |              |        |  |
|--|---|------|--------------|--------|--|
|  | 2 | seal | ABS5800D048A | Item 4 |  |
|--|---|------|--------------|--------|--|
- (d) Replace the seal of the trim air valves (11HK), (12HK) and (13HK).  
 Refer to Kit 211165D11R00  
 Refer to Figure 3  
 Refer to AMM 21-63-51
- 1 Remove, as given in AMM 21-63-51, Page block 401 and as shown on Figure 3, Sheet 2, Detail C and 3, Detail D:
- |  |   |                   |             |          |         |
|--|---|-------------------|-------------|----------|---------|
|  | 6 | Packing-Preformed | NSA8206-228 | Item (3) | Discard |
|--|---|-------------------|-------------|----------|---------|
- 2 Install, as given in AMM 21-63-51, Page block 401 and as shown on Figure 3, Sheet 2, Detail C and 3, Detail D:
- |  |   |      |              |        |  |
|--|---|------|--------------|--------|--|
|  | 6 | seal | ABS5800D032A | Item 3 |  |
|--|---|------|--------------|--------|--|
- (e) Replace the seal of the blanking cap at the flange of the APU bleed air duct.  
 Refer to Kit 211165D11R00  
 Refer to Figure 4
- 1 Remove, as given in and as shown on Figure 4, Sheet 2, Detail B:
- |  |   |                   |             |           |         |
|--|---|-------------------|-------------|-----------|---------|
|  | 1 | clamp             |             | Item (13) | Retain  |
|  | 1 | flange            |             | Item (11) | Retain  |
|  | 1 | Packing-Preformed | NSA8206-226 | Item (2)  | Discard |
- 2 Install, as given in and as shown on Figure 4, Sheet 2, Detail B:
- |  |   |        |              |           |          |
|--|---|--------|--------------|-----------|----------|
|  | 1 | seal   | ABS5800D028A | Item 2    |          |
|  | 1 | flange |              | Item (11) | Retained |
|  | 1 | clamp  |              | Item (13) | Retained |
- (f) Replace the seals of the FWD cargo compartment trim air valve (2HC).  
 Refer to Kit 211165D03R00  
 Refer to Figure 6  
 Refer to AMM 21-43-53

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## SERVICE BULLETIN

- 1 Remove, as given in AMM 21-43-53, Page block 401 and as shown on Figure 6, Sheet 1, Detail B:
    - 2 Packing-Preformed NSA8206-226 Item (2) Discard
  - 2 Install, as given in AMM 21-43-53, Page block 401 and as shown on Figure 6, Sheet 1, Detail B:
    - 2 seal ABS5800D028A Item 2
- (4) Config. 06 Config. 10 Config. 14
- (a) Replace the seal of the air duct upstream of the flow control valves (8HB) and (11HB).  
Refer to Kit 211165D01R01  
Refer to Figure 1  
Refer to AMM 21-51-51
    - 1 Remove, as given in AMM 21-51-51, Page block 401 and as shown on Figure 1, Sheet 2, Detail C:
      - 2 Packing-Preformed NSA8206-243 Item (5) Discard
    - 2 Install, as given in AMM 21-51-51, Page block 401 and as shown on Figure 1, Sheet 2, Detail C:
      - 2 seal ABS5800G064A Item 5
  - (b) Replace the seal of the trim air check valves (18HM) and (19HM).  
Refer to Kit 211165D01R01  
Refer to Figure 1  
Refer to AMM 21-63-42
    - 1 Remove, as given in AMM 21-63-42, Page block 401 and as shown on Figure 1, Sheet 2, Detail B:

4	Packing-Preformed	NSA8206-146	Item (1)	Discard
12	nut		Item (6)	Discard
12	washer		Item (7)	Discard
12	bolt		Item (8)	Discard
    - 2 Install, as given in AMM 21-63-42, Page block 401 and as shown on Figure 1, Sheet 2, Detail B:

4	seal	ABS5800B040A	Item 1	
12	bolt	NAS6703-5	Item 8	
12	washer	NAS1149C0332R	Item 7	
12	nut	MS21043-3	Item 6	
  - (c) Replace the seal of the pressure regulating valve (14HK).  
Refer to Kit 211165D01R01  
Refer to Figure 2  
Refer to AMM 21-63-52

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

## SERVICE BULLETIN

1 Remove, as given in AMM 21-63-52, Page block 401 and as shown on Figure 2, Sheet 2, Detail B:

2	Packing-Preformed	NSA8206-236	Item (4)	Discard
---	-------------------	-------------	----------	---------

2 Install, as given in AMM 21-63-52, Page block 401 and as shown on Figure 2, Sheet 2, Detail B:

2	seal	ABS5800D048A	Item 4	
---	------	--------------	--------	--

(d) Replace the seal of the trim air valves (11HK), (12HK) and (13HK).  
Refer to Kit 211165D01R01  
Refer to Figure 2  
Refer to AMM 21-63-51

1 Remove, as given in AMM 21-63-51, Page block 401 and as shown on Figure 2, Sheet 2, Detail C and 3, Detail D:

6	Packing-Preformed	NSA8206-228	Item (3)	Discard
---	-------------------	-------------	----------	---------

2 Install, as given in AMM 21-63-51, Page block 401 and as shown on Figure 2, Sheet 2, Detail C and 3, Detail D:

6	seal	ABS5800D032A	Item 3	
---	------	--------------	--------	--

(e) Replace the seal of the blanking cap at the flange of the hot air collector.  
Refer to Kit 211165D01R01  
Refer to Figure 2

1 Remove, as shown on Figure 2, Sheet 2, Detail C:

1	clamp		Item (12)	Retain
1	flange		Item (10)	Retain
1	Packing-Preformed	NSA8206-226	Item (2)	Discard

2 Install, as shown on Figure 2, Sheet 2, Detail C:

1	seal	ABS5800D028A	Item 2	
1	flange		Item (10)	Retained
1	clamp		Item (12)	Retained

(f) Replace the seal of the blanking cap at the flange of the APU bleed air duct.  
Refer to Kit 211165D01R01  
Refer to Figure 4

1 Remove, as given in and as shown on Figure 4, Sheet 2, Detail B:

1	clamp		Item (13)	Retain
1	flange		Item (11)	Retain
1	Packing-Preformed	NSA8206-226	Item (2)	Discard

2 Install, as given in and as shown on Figure 4, Sheet 2, Detail B:

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## SERVICE BULLETIN

1	seal	ABS5800D028A	Item 2	
1	flange		Item (11)	Retained
1	clamp		Item (13)	Retained

- (g) Replace the seal of the pipe assembly at the bypass air duct of the primary heat exchanger.  
 Refer to Kit 211165D04R00  
 Refer to Figure 7  
 Refer to AMM 21-52-23

NOTE : This step is not applicable if Mod. 33320 or Mod. 33780 or Mod. 33827 is embodied.

- 1 Remove, as given in AMM 21-52-23, Page block 401 and as shown on Figure 7, Sheet 1, Detail B:

2	Packing-Preformed	NSA8206-228	Item (3)	Discard
---	-------------------	-------------	----------	---------

- 2 Install, as given in AMM 21-52-23, Page block 401 and as shown on Figure 7, Sheet 1, Detail B:

2	seal	ABS5800D032A	Item 3	
---	------	--------------	--------	--

- (5) Config. 07 Config. 11 Config. 15

- (a) Replace the seal of the air duct upstream of the flow control valves (8HB) and (11HB).  
 Refer to Kit 211165D11R00  
 Refer to Figure 1  
 Refer to AMM 21-51-51

- 1 Remove, as given in AMM 21-51-51, Page block 401 and as shown on Figure 1, Sheet 2, Detail C:

2	Packing-Preformed	NSA8206-243	Item (5)	Discard
---	-------------------	-------------	----------	---------

- 2 Install, as given in AMM 21-51-51, Page block 401 and as shown on Figure 1, Sheet 2, Detail C:

2	seal	ABS5800G064A	Item 5	
---	------	--------------	--------	--

- (b) Replace the seal of the trim air check valves (18HM) and (19HM).  
 Refer to Kit 211165D11R00  
 Refer to Figure 1  
 Refer to AMM 21-63-42

- 1 Remove, as given in AMM 21-63-42, Page block 401 and as shown on Figure 1, Sheet 2, Detail B:

4	Packing-Preformed	NSA8206-146	Item (1)	Discard
12	nut		Item (6)	Discard
12	washer		Item (7)	Discard
12	bolt		Item (8)	Discard

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

## SERVICE BULLETIN

- 2 Install, as given in AMM 21-63-42, Page block 401 and as shown on Figure 1, Sheet 2, Detail B:

4	seal	ABS5800B040A	Item 1
12	bolt	NAS6703-5	Item 8
12	washer	NAS1149C0332R	Item 7
12	nut	MS21043-3	Item 6

- (c) Replace the seal of the pressure regulating valve (14HK).  
Refer to Kit 211165D11R00  
Refer to Figure 2  
Refer to AMM 21-63-52

- 1 Remove, as given in AMM 21-63-52, Page block 401 and as shown on Figure 2, Sheet 2, Detail B:

2	Packing-Preformed	NSA8206-236	Item (4)	Discard
---	-------------------	-------------	----------	---------

- 2 Install, as given in AMM 21-63-52, Page block 401 and as shown on Figure 2, Sheet 2, Detail B:

2	seal	ABS5800D048A	Item 4
---	------	--------------	--------

- (d) Replace the seal of the trim air valves (11HK), (12HK) and (13HK).  
Refer to Kit 211165D11R00  
Refer to Figure 2  
Refer to AMM 21-63-51

- 1 Remove, as given in AMM 21-63-51, Page block 401 and as shown on Figure 2, Sheet 2, Detail C and 3, Detail D:

6	Packing-Preformed	NSA8206-228	Item (3)	Discard
---	-------------------	-------------	----------	---------

- 2 Install, as given in AMM 21-63-51, Page block 401 and as shown on Figure 2, Sheet 2, Detail C and 3, Detail D:

6	seal	ABS5800D032A	Item 3
---	------	--------------	--------

- (e) Replace the seal of the blanking cap at the flange of the hot air collector.  
Refer to Kit 211165D11R00  
Refer to Figure 2

- 1 Remove, as shown on Figure 2, Sheet 2, Detail C:

1	clamp		Item (12)	Retain
1	flange		Item (10)	Retain
1	Packing-Preformed	NSA8206-226	Item (2)	Discard

- 2 Install, as shown on Figure 2, Sheet 2, Detail C:

1	seal	ABS5800D028A	Item 2	
1	flange		Item (10)	Retained
1	clamp		Item (12)	Retained

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- (f) Replace the seal of the AFT cargo compartment trim air valve (12HC).  
 Refer to Kit 211165D02R00  
 Refer to Figure 5  
 Refer to AMM 21-43-51

1 Remove, as given in AMM 21-43-51, Page block 401 and as shown on Figure 5, Sheet 2, Detail B:

2	Packing-Preformed	NSA8206-226	Item (2)	Discard
---	-------------------	-------------	----------	---------

2 Install, as given in AMM 21-43-51, Page block 401 and as shown on Figure 5, Sheet 2, Detail B:

2	seal	ABS5800D028A	Item 2
---	------	--------------	--------

- (g) Replace the seal of the AFT cargo compartment pressure regulating valve (11HC).  
 Refer to Kit 211165D02R00  
 Refer to Figure 5  
 Refer to AMM 21-43-52

1 Remove, as given in AMM 21-43-52, Page block 401 and as shown on Figure 5, Sheet 2, Detail B:

3	Packing-Preformed	NSA8206-226	Item (2)	Discard
---	-------------------	-------------	----------	---------

2 Install, as given in AMM 21-43-52, Page block 401 and as shown on Figure 5, Sheet 2, Detail B:

3	seal	ABS5800D028A	Item 2
---	------	--------------	--------

- (h) Replace the seal of the pipe assembly at the bypass air duct of the primary heat exchanger.  
 Refer to Kit 211165D04R00  
 Refer to Figure 7  
 Refer to AMM 21-52-23

NOTE : This step is not applicable if Mod. 33320 or Mod. 33780 or Mod. 33827 is embodied.

1 Remove, as given in AMM 21-52-23, Page block 401 and as shown on Figure 7, Sheet 1, Detail B:

2	Packing-Preformed	NSA8206-228	Item (3)	Discard
---	-------------------	-------------	----------	---------

2 Install, as given in AMM 21-52-23, Page block 401 and as shown on Figure 7, Sheet 1, Detail B:

2	seal	ABS5800D032A	Item 3
---	------	--------------	--------

- (6) Config. 08 Config. 12 Config. 16

- (a) Replace the seal of the air duct upstream of the flow control valves (8HB) and (11HB).  
 Refer to Kit 211165D11R00

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Refer to Figure 1

Refer to AMM 21-51-51

- 1 Remove, as given in AMM 21-51-51, Page block 401 and as shown on Figure 1, Sheet 2, Detail C:

2	Packing-Preformed	NSA8206-243	Item (5)	Discard
---	-------------------	-------------	----------	---------

- 2 Install, as given in AMM 21-51-51, Page block 401 and as shown on Figure 1, Sheet 2, Detail C:

2	seal	ABS5800G064A	Item 5	
---	------	--------------	--------	--

- (b) Replace the seal of the trim air check valves (18HM) and (19HM).

Refer to Kit 211165D11R00

Refer to Figure 1

Refer to AMM 21-63-42

- 1 Remove, as given in AMM 21-63-42, Page block 401 and as shown on Figure 1, Sheet 2, Detail B:

4	Packing-Preformed	NSA8206-146	Item (1)	Discard
12	nut		Item (6)	Discard
12	washer		Item (7)	Discard
12	bolt		Item (8)	Discard

- 2 Install, as given in AMM 21-63-42, Page block 401 and as shown on Figure 1, Sheet 2, Detail B:

4	seal	ABS5800B040A	Item 1	
12	bolt	NAS6703-5	Item 8	
12	washer	NAS1149C0332R	Item 7	
12	nut	MS21043-3	Item 6	

- (c) Replace the seal of the pressure regulating valve (14HK).

Refer to Kit 211165D11R00

Refer to Figure 3

Refer to AMM 21-63-52

- 1 Remove, as given in AMM 21-63-52, Page block 401 and as shown on Figure 3, Sheet 2, Detail B:

2	Packing-Preformed	NSA8206-236	Item (4)	Discard
---	-------------------	-------------	----------	---------

- 2 Install, as given in AMM 21-63-52, Page block 401 and as shown on Figure 3, Sheet 2, Detail B:

2	seal	ABS5800D048A	Item 4	
---	------	--------------	--------	--

- (d) Replace the seal of the trim air valves (11HK), (12HK) and (13HK).

Refer to Kit 211165D11R00

Refer to Figure 3

Refer to AMM 21-63-51

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## SERVICE BULLETIN

- 1 Remove, as given in AMM 21-63-51, Page block 401 and as shown on Figure 3, Sheet 2, Detail C and 3, Detail D:

6	Packing-Preformed	NSA8206-228	Item (3)	Discard
---	-------------------	-------------	----------	---------

- 2 Install, as given in AMM 21-63-51, Page block 401 and as shown on Figure 3, Sheet 2, Detail C and 3, Detail D:

6	seal	ABS5800D032A	Item 3	
---	------	--------------	--------	--

- (e) Replace the seal of the blanking cap at the flange of the APU bleed air duct.  
Refer to Kit 211165D11R00  
Refer to Figure 4

- 1 Remove, as given in and as shown on Figure 4, Sheet 2, Detail B:

1	clamp		Item (13)	Retain
1	flange		Item (11)	Retain
1	Packing-Preformed	NSA8206-226	Item (2)	Discard

- 2 Install, as given in and as shown on Figure 4, Sheet 2, Detail B:

1	seal	ABS5800D028A	Item 2	
1	flange		Item (11)	Retained
1	clamp		Item (13)	Retained

- (f) Replace the seals of the FWD cargo compartment trim air valve (2HC).  
Refer to Kit 211165D03R00  
Refer to Figure 6  
Refer to AMM 21-43-53

- 1 Remove, as given in AMM 21-43-53, Page block 401 and as shown on Figure 6, Sheet 1, Detail B:

2	Packing-Preformed	NSA8206-226	Item (2)	Discard
---	-------------------	-------------	----------	---------

- 2 Install, as given in AMM 21-43-53, Page block 401 and as shown on Figure 6, Sheet 1, Detail B:

2	seal	ABS5800D028A	Item 2	
---	------	--------------	--------	--

- (g) Replace the seal of the pipe assembly at the bypass air duct of the primary heat exchanger.  
Refer to Kit 211165D04R00  
Refer to Figure 7  
Refer to AMM 21-52-23

NOTE : This step is not applicable if Mod. 33320 or Mod. 33780 or Mod. 33827 is embodied.

- 1 Remove, as given in AMM 21-52-23, Page block 401 and as shown on Figure 7, Sheet 1, Detail B:

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- |   |                   |             |          |         |
|---|-------------------|-------------|----------|---------|
| 2 | Packing-Preformed | NSA8206-228 | Item (3) | Discard |
|---|-------------------|-------------|----------|---------|
- 2 Install, as given in AMM 21-52-23, Page block 401 and as shown on Figure 7, Sheet 1, Detail B:
- |   |      |              |        |  |
|---|------|--------------|--------|--|
| 2 | seal | ABS5800D032A | Item 3 |  |
|---|------|--------------|--------|--|
- (7) Config. 09 Config. 13 Config. 17
- (a) Replace the seal of the air duct upstream of the flow control valves (8HB) and (11HB).  
Refer to Kit 211165D21R00  
Refer to Figure 1  
Refer to AMM 21-51-51
- 1 Remove, as given in AMM 21-51-51, Page block 401 and as shown on Figure 1, Sheet 2, Detail C:
- |   |                   |             |          |         |
|---|-------------------|-------------|----------|---------|
| 2 | Packing-Preformed | NSA8206-243 | Item (5) | Discard |
|---|-------------------|-------------|----------|---------|
- 2 Install, as given in AMM 21-51-51, Page block 401 and as shown on Figure 1, Sheet 2, Detail C:
- |   |      |              |        |  |
|---|------|--------------|--------|--|
| 2 | seal | ABS5800G064A | Item 5 |  |
|---|------|--------------|--------|--|
- (b) Replace the seal of the trim air check valves (18HM) and (19HM).  
Refer to Kit 211165D21R00  
Refer to Figure 1  
Refer to AMM 21-63-42
- 1 Remove, as given in AMM 21-63-42, Page block 401 and as shown on Figure 1, Sheet 2, Detail B:
- |    |                   |             |          |         |
|----|-------------------|-------------|----------|---------|
| 4  | Packing-Preformed | NSA8206-146 | Item (1) | Discard |
| 12 | nut               |             | Item (6) | Discard |
| 12 | washer            |             | Item (7) | Discard |
| 12 | bolt              |             | Item (8) | Discard |
- 2 Install, as given in AMM 21-63-42, Page block 401 and as shown on Figure 1, Sheet 2, Detail B:
- |    |        |               |        |  |
|----|--------|---------------|--------|--|
| 4  | seal   | ABS5800B040A  | Item 1 |  |
| 12 | bolt   | NAS6703-5     | Item 8 |  |
| 12 | washer | NAS1149C0332R | Item 7 |  |
| 12 | nut    | MS21043-3     | Item 6 |  |
- (c) Replace the seal of the pressure regulating valve (14HK).  
Refer to Kit 211165D21R00  
Refer to Figure 3  
Refer to AMM 21-63-52
- 1 Remove, as given in AMM 21-63-52, Page block 401 and as shown on Figure 3, Sheet 2, Detail B:

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2 Packing-Preformed NSA8206-236 Item (4) Discard

2 Install, as given in AMM 21-63-52, Page block 401 and as shown on Figure 3, Sheet 2, Detail B:

2 seal ABS5800D048A Item 4

(d) Replace the seal of the trim air valves (11HK), (12HK) and (13HK).  
Refer to Kit 211165D21R00  
Refer to Figure 3  
Refer to AMM 21-63-51

1 Remove, as given in AMM 21-63-51, Page block 401 and as shown on Figure 3, Sheet 2, Detail C and 3, Detail D:

6 Packing-Preformed NSA8206-228 Item (3) Discard

2 Install, as given in AMM 21-63-51, Page block 401 and as shown on Figure 3, Sheet 2, Detail C and 3, Detail D:

6 seal ABS5800D032A Item 3

(e) Replace the seal of the AFT cargo compartment trim air valve (12HC).  
Refer to Kit 211165D02R00  
Refer to Figure 5  
Refer to AMM 21-43-51

1 Remove, as given in AMM 21-43-51, Page block 401 and as shown on Figure 5, Sheet 2, Detail B:

2 Packing-Preformed NSA8206-226 Item (2) Discard

2 Install, as given in AMM 21-43-51, Page block 401 and as shown on Figure 5, Sheet 2, Detail B:

2 seal ABS5800D028A Item 2

(f) Replace the seal of the AFT cargo compartment pressure regulating valve (11HC).  
Refer to Kit 211165D02R00  
Refer to Figure 5  
Refer to AMM 21-43-52

1 Remove, as given in AMM 21-43-52, Page block 401 and as shown on Figure 5, Sheet 2, Detail B:

3 Packing-Preformed NSA8206-226 Item (2) Discard

2 Install, as given in AMM 21-43-52, Page block 401 and as shown on Figure 5, Sheet 2, Detail B:

3 seal ABS5800D028A Item 2

(g) Replace the seals of the FWD cargo compartment trim air valve (2HC).

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Refer to Kit 211165D03R00

Refer to Figure 6

Refer to AMM 21-43-53

1 Remove, as given in AMM 21-43-53, Page block 401 and as shown on Figure 6, Sheet 1, Detail B:

2	Packing-Preformed	NSA8206-226	Item (2)	Discard
---	-------------------	-------------	----------	---------

2 Install, as given in AMM 21-43-53, Page block 401 and as shown on Figure 6, Sheet 1, Detail B:

2	seal	ABS5800D028A	Item 2	
---	------	--------------	--------	--

(h) Replace the seal of the pipe assembly at the bypass air duct of the primary heat exchanger.

Refer to Kit 211165D04R00

Refer to Figure 7

Refer to AMM 21-52-23

NOTE : This step is not applicable if Mod. 33320 or Mod. 33780 or Mod. 33827 is embodied.

1 Remove, as given in AMM 21-52-23, Page block 401 and as shown on Figure 7, Sheet 1, Detail B:

2	Packing-Preformed	NSA8206-228	Item (3)	Discard
---	-------------------	-------------	----------	---------

2 Install, as given in AMM 21-52-23, Page block 401 and as shown on Figure 7, Sheet 1, Detail B:

2	seal	ABS5800D032A	Item 3	
---	------	--------------	--------	--

### **C. TEST**

(1) Config. 01 Config. 03

(a) Do the leak check around the area of the replaced seals.

1 Do the pre-conditioning through the HP ground connector or with the APU (Refer to AMM 12-33-21, Page block 201).

2 Do a leak check of the air duct upstream of the flow control valves (8HB) and (11HB).

NOTE : Minimum leakage is permitted. After the pack operates some minutes, the leakage of air will reduce because the seals have their correct operating temperature.

3 Do a leak check of the sense line connections.

NOTE : Leaks are not permitted.

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- 4 Do a leak check of the trim air check valves (18HM) and (19HM).

NOTE : Leaks are not permitted.

- 5 Do a leak check of the pressure regulating valve (14HK) and the sense line connection.

NOTE : Leaks are not permitted.

- 6 Do a leak check of the trim air valves (11HK), (12HK) and (13HK).

NOTE : Leaks are not permitted.

- 7 Do a leak check of the blanking cap of the flange at the hot air collector.

NOTE : Leaks are not permitted.

- 8 Do a leak check of the blanking cap at the flange of the APU bleed air duct.

NOTE : Leaks are not permitted.

- 9 After approximately 15 minutes stop the pre-conditioning (Refer to AMM 12-33-21, Page block 201).

- (b) Do the functional test of the cockpit and cabin temperature control system (Refer to AMM 21-63-00, Page block 501).

- (c) Do the operational test of the Pack Temperature Control system (Refer to AMM 21-61-00, Page block 501).

- (2) Config. 02 Config. 04

- (a) Do the leak check around the area of the replaced seals.

- 1 Do the pre-conditioning through the HP ground connector or with the APU (Refer to AMM 12-33-21, Page block 201).

- 2 Do a leak check of the air duct upstream of the flow control valves (8HB) and (11HB).

NOTE : Minimum leakage is permitted. After the pack operates some minutes, the leakage of air will reduce because the seals have their correct operating temperature.

- 3 Do a leak check of the sense line connections.

NOTE : Leaks are not permitted.

- 4 Do a leak check of the trim air check valves (18HM) and (19HM).

NOTE : Leaks are not permitted.

- 5 Do a leak check of the pressure regulating valve (14HK) and the sense line connection.

NOTE : Leaks are not permitted.

- 6 Do a leak check of the trim air valves (11HK), (12HK) and (13HK).

NOTE : Leaks are not permitted.

- 7 Do a leak check of the blanking cap of the flange at the hot air collector.

NOTE : Leaks are not permitted.

- 8 Do a leak check of the pressure regulating valve (11HC) and the sense line connection.

NOTE : Leaks are not permitted.

- 9 Do a leak check of the trim air valve (12HC).

NOTE : Leaks are not permitted.

- 10 After approximately 15 minutes stop the pre-conditioning (Refer to AMM 12-33-21, Page block 201).

- (b) Do the functional test of the cockpit and cabin temperature control system (Refer to AMM 21-63-00, Page block 501).
- (c) Do the operational test of the Pack Temperature Control system (Refer to AMM 21-61-00, Page block 501).
- (d) Do the operational test of the AFT cargo compartment heating system (Refer to AMM 21-43-00, Page block 501).

(3) Config. 05

- (a) Do the leak check around the area of the replaced seals.

- 1 Do the pre-conditioning through the HP ground connector or with the APU (Refer to AMM 12-33-21, Page block 201).

- 2 Do a leak check of the air duct upstream of the flow control valves (8HB) and (11HB).

NOTE : Minimum leakage is permitted. After the pack operates some minutes, the leakage of air will reduce because the seals have their correct operating temperature.

- 3 Do a leak check of the sense line connections.

NOTE : Leaks are not permitted.

- 4 Do a leak check of the trim air check valves (18HM) and (19HM).



NOTE : Leaks are not permitted.

- 5 Do a leak check of the pressure regulating valve (14HK) and the sense line connection.

NOTE : Leaks are not permitted.

- 6 Do a leak check of the trim air valves (11HK), (12HK) and (13HK).

NOTE : Leaks are not permitted.

- 7 Do a leak check of the trim air valve (2HC).

NOTE : Leaks are not permitted.

- 8 Do a leak check of the blanking cap at the flange of the APU bleed air duct.

NOTE : Leaks are not permitted.

- 9 After approximately 15 minutes stop the pre-conditioning (Refer to AMM 12-33-21, Page block 201).

- (b) Do the functional test of the cockpit and cabin temperature control system (Refer to AMM 21-63-00, Page block 501).
- (c) Do the operational test of the Pack Temperature Control system (Refer to AMM 21-61-00, Page block 501).
- (d) Do the operational test of the FWD cargo compartment heating system (Refer to AMM 21-43-00, Page block 501).
- (4) Config. 06 Config. 10 Config. 14
- (a) Do the leak check around the area of the replaced seals.
- 1 Do the pre-conditioning through the HP ground connector or with the APU (Refer to AMM 12-33-21, Page block 201).
- 2 Do a leak check of the air duct upstream of the flow control valves (8HB) and (11HB).
- NOTE : Minimum leakage is permitted. After the pack operates some minutes, the leakage of air will reduce because the seals have their correct operating temperature.
- 3 Do a leak check of the sense line connections.
- NOTE : Leaks are not permitted.
- 4 Do a leak check of the trim air check valves (18HM) and (19HM).
- NOTE : Leaks are not permitted.

- 5 Do a leak check of the pressure regulating valve (14HK) and the sense line connection.

NOTE : Leaks are not permitted.

- 6 Do a leak check of the trim air valves (11HK), (12HK) and (13HK).

NOTE : Leaks are not permitted.

- 7 Do a leak check of the blanking cap of the flange at the hot air collector.

NOTE : Leaks are not permitted.

- 8 Do a leak check of the blanking cap at the flange of the APU bleed air duct.

NOTE : Leaks are not permitted.

- 9 Do a leak check of the pipe assembly between the anti-ice valve (if installed) and the bypass air duct of the primary heat exchanger.

NOTE : Leaks are not permitted.

- 10 After approximately 15 minutes stop the pre-conditioning (Refer to AMM 12-33-21, Page block 201).

- (b) Do the functional test of the cockpit and cabin temperature control system (Refer to AMM 21-63-00, Page block 501).
- (c) Do the operational test of the Pack Temperature Control system (Refer to AMM 21-61-00, Page block 501).

- (5) Config. 07 Config. 11 Config. 15

- (a) Do the leak check around the area of the replaced seals.

- 1 Do the pre-conditioning through the HP ground connector or with the APU (Refer to AMM 12-33-21, Page block 201).

- 2 Do a leak check of the air duct upstream of the flow control valves (8HB) and (11HB).

NOTE : Minimum leakage is permitted. After the pack operates some minutes, the leakage of air will reduce because the seals have their correct operating temperature.

- 3 Do a leak check of the sense line connections.

NOTE : Leaks are not permitted.

- 4 Do a leak check of the trim air check valves (18HM) and (19HM).

NOTE : Leaks are not permitted.

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- 5 Do a leak check of the pressure regulating valve (14HK) and the sense line connection.

NOTE : Leaks are not permitted.

- 6 Do a leak check of the trim air valves (11HK), (12HK) and (13HK).

NOTE : Leaks are not permitted.

- 7 Do a leak check of the blanking cap of the flange at the hot air collector.

NOTE : Leaks are not permitted.

- 8 Do a leak check of the pressure regulating valve (11HC) and the sense line connection.

NOTE : Leaks are not permitted.

- 9 Do a leak check of the trim air valve (12HC).

NOTE : Leaks are not permitted.

- 10 Do a leak check of the pipe assembly between the anti-ice valve (if installed) and the bypass air duct of the primary heat exchanger.

NOTE : Leaks are not permitted.

- 11 After approximately 15 minutes stop the pre-conditioning (Refer to AMM 12-33-21, Page block 201).

- (b) Do the functional test of the cockpit and cabin temperature control system (Refer to AMM 21-63-00, Page block 501).
- (c) Do the operational test of the Pack Temperature Control system (Refer to AMM 21-61-00, Page block 501).
- (d) Do the operational test of the AFT cargo compartment heating system (Refer to AMM 21-43-00, Page block 501).

- (6) Config. 08 Config. 12 Config. 16

- (a) Do the leak check around the area of the replaced seals.

- 1 Do the pre-conditioning through the HP ground connector or with the APU (Refer to AMM 12-33-21, Page block 201).

- 2 Do a leak check of the air duct upstream of the flow control valves (8HB) and (11HB).

NOTE : Minimum leakage is permitted. After the pack operates some minutes, the leakage of air will reduce because the seals have their correct operating temperature.

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3 Do a leak check of the sense line connections.

NOTE : Leaks are not permitted.

4 Do a leak check of the trim air check valves (18HM) and (19HM).

NOTE : Leaks are not permitted.

5 Do a leak check of the pressure regulating valve (14HK) and the sense line connection.

NOTE : Leaks are not permitted.

6 Do a leak check of the trim air valves (11HK), (12HK) and (13HK).

NOTE : Leaks are not permitted.

7 Do a leak check of the trim air valve (2HC).

NOTE : Leaks are not permitted.

8 Do a leak check of the blanking cap at the flange of the APU bleed air duct.

NOTE : Leaks are not permitted.

9 Do a leak check of the pipe assembly between the anti-ice valve (if installed) and the bypass air duct of the primary heat exchanger.

NOTE : Leaks are not permitted.

10 After approximately 15 minutes stop the pre-conditioning (Refer to AMM 12-33-21, Page block 201).

(b) Do the functional test of the cockpit and cabin temperature control system (Refer to AMM 21-63-00, Page block 501).

(c) Do the operational test of the Pack Temperature Control system (Refer to AMM 21-61-00, Page block 501).

(d) Do the operational test of the FWD cargo compartment heating system (Refer to AMM 21-43-00, Page block 501).

(7) Config. 09 Config. 13 Config. 17

(a) Do the leak check around the area of the replaced seals.

1 Do the pre-conditioning through the HP ground connector or with the APU (Refer to AMM 12-33-21, Page block 201).

2 Do a leak check of the air duct upstream of the flow control valves (8HB) and (11HB).

NOTE : Minimum leakage is permitted. After the pack operates some minutes, the leakage of air will reduce because the seals have their correct operating temperature.

3 Do a leak check of the sense line connections.

NOTE : Leaks are not permitted.

4 Do a leak check of the trim air check valves (18HM) and (19HM).

NOTE : Leaks are not permitted.

5 Do a leak check of the pressure regulating valve (14HK) and the sense line connection.

NOTE : Leaks are not permitted.

6 Do a leak check of the trim air valves (11HK), (12HK) and (13HK).

NOTE : Leaks are not permitted.

7 Do a leak check of the pressure regulating valve (11HC) and the sense line connection.

NOTE : Leaks are not permitted.

8 Do a leak check of the trim air valve (12HC).

NOTE : Leaks are not permitted.

9 Do a leak check of the trim air valve (2HC).

NOTE : Leaks are not permitted.

10 Do a leak check of the pipe assembly between the anti-ice valve (if installed) and the bypass air duct of the primary heat exchanger.

NOTE : Leaks are not permitted.

11 After approximately 15 minutes stop the pre-conditioning (Refer to AMM 12-33-21, Page block 201).

- (b) Do the functional test of the cockpit and cabin temperature control system (Refer to AMM 21-63-00, Page block 501).
- (c) Do the operational test of the Pack Temperature Control system (Refer to AMM 21-61-00, Page block 501).
- (d) Do the operational test of the AFT cargo compartment heating system (Refer to AMM 21-43-00, Page block 501).
- (e) Do the operational test of the FWD cargo compartment heating system (Refer to AMM 21-43-00, Page block 501).

**D. CLOSE UP**

- (1) Config. 01 Config. 03
- (a) Make sure that the work areas are clean and clear of tools and other items of equipment.
  - (b) Do the close-up as specified in the installation procedure of the air duct upstream of the flow control valves (8HB) and (11HB) (Refer to AMM 21-51-51, Page block 401).
  - (c) Do the close-up as specified in the installation procedure of the trim air check valves (18HM) and (19HM) (Refer to AMM 21-63-42, Page block 401).
  - (d) Do the close-up as specified in the installation procedure of the pressure regulating valve (14HK) (Refer to AMM 21-63-52, Page block 401).
  - (e) Do the close-up as specified in the installation procedure of the trim air valves (11HK), (12HK) and (13HK) (Refer to AMM 21-63-51, Page block 401).
  - (f) Install the access panel 197BB (Refer to AMM 06-41-53, Page block 001).
- (2) Config. 02 Config. 04
- (a) Make sure that the work areas are clean and clear of tools and other items of equipment.
  - (b) Do the close-up as specified in the installation procedure of the air duct upstream of the flow control valves (8HB) and (11HB) (Refer to AMM 21-51-51, Page block 401).
  - (c) Do the close-up as specified in the installation procedure of the trim air check valves (18HM) and (19HM) (Refer to AMM 21-63-42, Page block 401).
  - (d) Do the close-up as specified in the installation procedure of the pressure regulating valve (14HK) (Refer to AMM 21-63-52, Page block 401).
  - (e) Do the close-up as specified in the installation procedure of the trim air valves (11HK), (12HK) and (13HK) (Refer to AMM 21-63-51, Page block 401).
  - (f) Do the close-up as specified in the installation procedure of the AFT cargo compartment trim air valve (12HC) (Refer to AMM 21-43-51, Page block 401).
  - (g) Do the close-up as specified in the installation procedure of the AFT cargo compartment pressure regulating valve (11HC) (Refer to AMM 21-43-52, Page block 401).
- (3) Config. 05
- (a) Make sure that the work areas are clean and clear of tools and other items of equipment.
  - (b) Do the close-up as specified in the installation procedure of the air duct upstream of the flow control valves (8HB) and (11HB) (Refer to AMM 21-51-51, Page block 401).

- (c) Do the close-up as specified in the installation procedure of the trim air check valves (18HM) and (19HM) (Refer to AMM 21-63-42, Page block 401).
  - (d) Do the close-up as specified in the installation procedure of the pressure regulating valve (14HK) (Refer to AMM 21-63-52, Page block 401).
  - (e) Do the close-up as specified in the installation procedure of the trim air valves (11HK), (12HK) and (13HK) (Refer to AMM 21-63-51, Page block 401).
  - (f) Install the access panel 197BB (Refer to AMM 06-41-53, Page block 001).
  - (g) Do the close-up as specified in the installation procedure of the FWD cargo compartment trim air valve (2HC) (Refer to AMM 21-43-53, Page block 401).
- (4) Config. 06 Config. 10 Config. 14
- (a) Make sure that the work areas are clean and clear of tools and other items of equipment.
  - (b) Do the close-up as specified in the installation procedure of the air duct upstream of the flow control valves (8HB) and (11HB) (Refer to AMM 21-51-51, Page block 401).
  - (c) Do the close-up as specified in the installation procedure of the trim air check valves (18HM) and (19HM) (Refer to AMM 21-63-42, Page block 401).
  - (d) Do the close-up as specified in the installation procedure of the pressure regulating valve (14HK) (Refer to AMM 21-63-52, Page block 401).
  - (e) Do the close-up as specified in the installation procedure of the trim air valves (11HK), (12HK) and (13HK) (Refer to AMM 21-63-51, Page block 401).
  - (f) Install the access panel 197BB (Refer to AMM 06-41-53, Page block 001).
  - (g) Do the close-up as specified in the installation procedure of the pipe assembly at the bypass air duct of the primary heat exchanger (Refer to AMM 21-52-23, Page block 401).
- (5) Config. 07 Config. 11 Config. 15
- (a) Make sure that the work areas are clean and clear of tools and other items of equipment.
  - (b) Do the close-up as specified in the installation procedure of the air duct upstream of the flow control valves (8HB) and (11HB) (Refer to AMM 21-51-51, Page block 401).
  - (c) Do the close-up as specified in the installation procedure of the trim air check valves (18HM) and (19HM) (Refer to AMM 21-63-42, Page block 401).
  - (d) Do the close-up as specified in the installation procedure of the pressure regulating valve (14HK) (Refer to AMM 21-63-52, Page block 401).
  - (e) Do the close-up as specified in the installation procedure of the trim air valves (11HK), (12HK) and (13HK) (Refer to AMM 21-63-51, Page block 401).

- (f) Do the close-up as specified in the installation procedure of the AFT cargo compartment trim air valve (12HC) (Refer to AMM 21-43-51, Page block 401).
  - (g) Do the close-up as specified in the installation procedure of the AFT cargo compartment pressure regulating valve (11HC) (Refer to AMM 21-43-52, Page block 401).
  - (h) Do the close-up as specified in the installation procedure of the pipe assembly at the bypass air duct of the primary heat exchanger (Refer to AMM 21-52-23, Page block 401).
- (6) Config. 08 Config. 12 Config. 16
- (a) Make sure that the work areas are clean and clear of tools and other items of equipment.
  - (b) Do the close-up as specified in the installation procedure of the air duct upstream of the flow control valves (8HB) and (11HB) (Refer to AMM 21-51-51, Page block 401).
  - (c) Do the close-up as specified in the installation procedure of the trim air check valves (18HM) and (19HM) (Refer to AMM 21-63-42, Page block 401).
  - (d) Do the close-up as specified in the installation procedure of the pressure regulating valve (14HK) (Refer to AMM 21-63-52, Page block 401).
  - (e) Do the close-up as specified in the installation procedure of the trim air valves (11HK), (12HK) and (13HK) (Refer to AMM 21-63-51, Page block 401).
  - (f) Install the access panel 197BB (Refer to AMM 06-41-53, Page block 001).
  - (g) Do the close-up as specified in the installation procedure of the FWD cargo compartment trim air valve (2HC) (Refer to AMM 21-43-53, Page block 401).
  - (h) Do the close-up as specified in the installation procedure of the pipe assembly at the bypass air duct of the primary heat exchanger (Refer to AMM 21-52-23, Page block 401).
- (7) Config. 09 Config. 13 Config. 17
- (a) Make sure that the work areas are clean and clear of tools and other items of equipment.
  - (b) Do the close-up as specified in the installation procedure of the air duct upstream of the flow control valves (8HB) and (11HB) (Refer to AMM 21-51-51, Page block 401).
  - (c) Do the close-up as specified in the installation procedure of the trim air check valves (18HM) and (19HM) (Refer to AMM 21-63-42, Page block 401).
  - (d) Do the close-up as specified in the installation procedure of the pressure regulating valve (14HK) (Refer to AMM 21-63-52, Page block 401).
  - (e) Do the close-up as specified in the installation procedure of the trim air valves (11HK), (12HK) and (13HK) (Refer to AMM 21-63-51, Page block 401).



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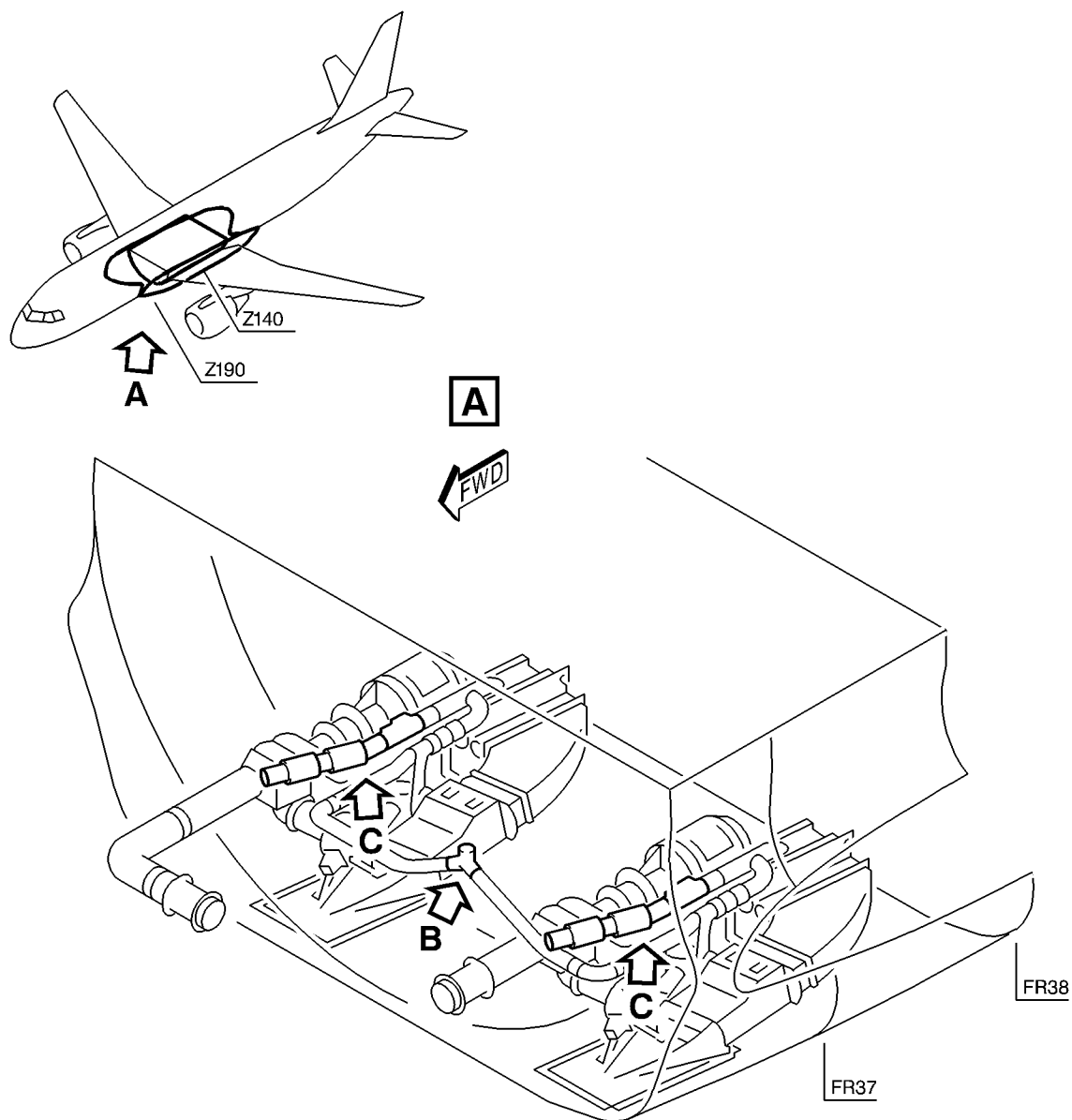
- (f) Do the close-up as specified in the installation procedure of the AFT cargo compartment trim air valve (12HC) (Refer to AMM 21-43-51, Page block 401).
- (g) Do the close-up as specified in the installation procedure of the AFT cargo compartment pressure regulating valve (11HC) (Refer to AMM 21-43-52, Page block 401).
- (h) Do the close-up as specified in the installation procedure of the FWD cargo compartment trim air valve (2HC) (Refer to AMM 21-43-53, Page block 401).
- (i) Do the close-up as specified in the installation procedure of the pipe assembly at the bypass air duct of the primary heat exchanger (Refer to AMM 21-52-23, Page block 401).

### **E. DOCUMENTATION**

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

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Figure 1, Sheet 1

Config. 01 thru 17: Replacement of the seals of the valves (8HB),(11HB),(18HM) and (19HM)

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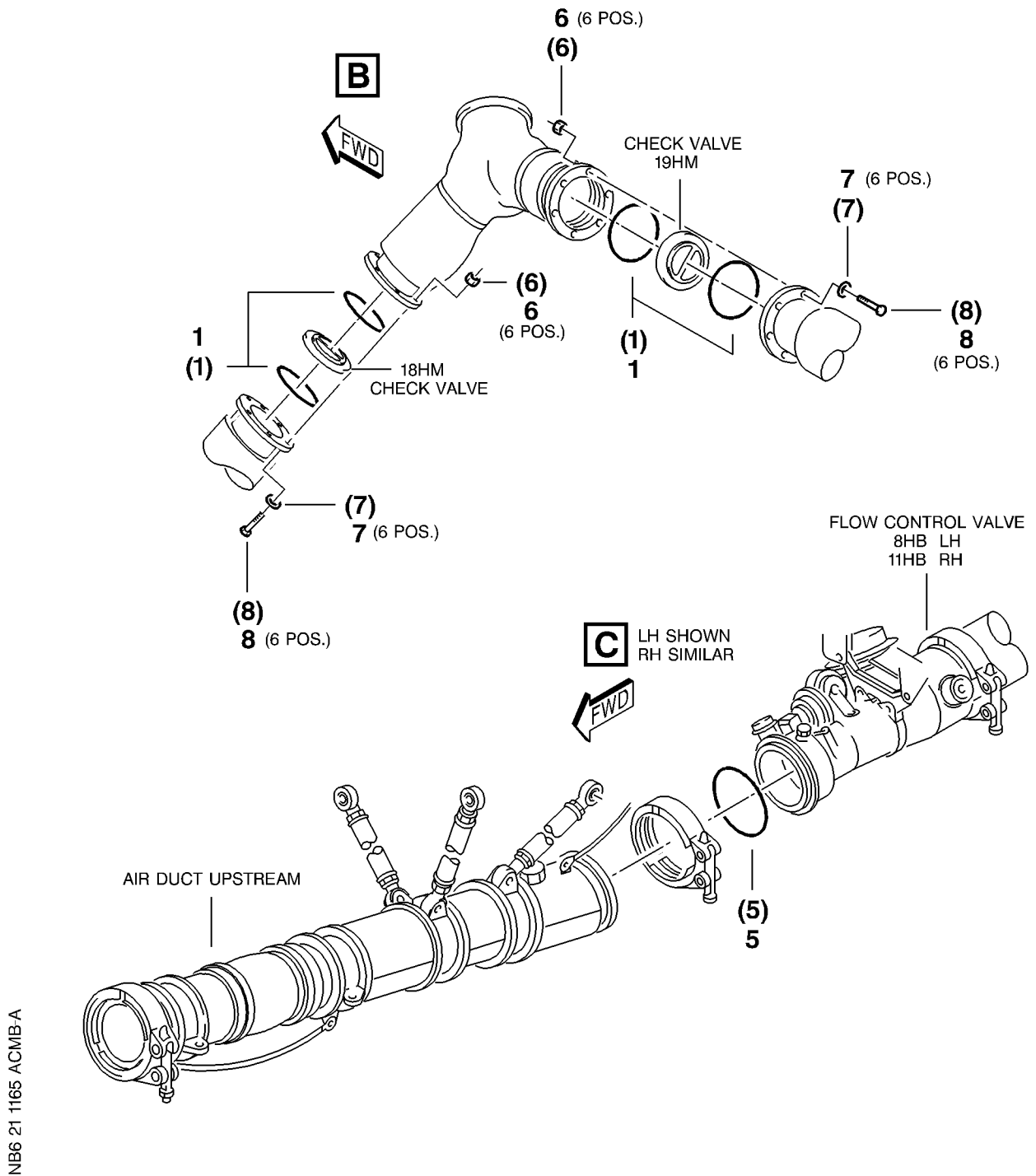


Figure 1, Sheet 2

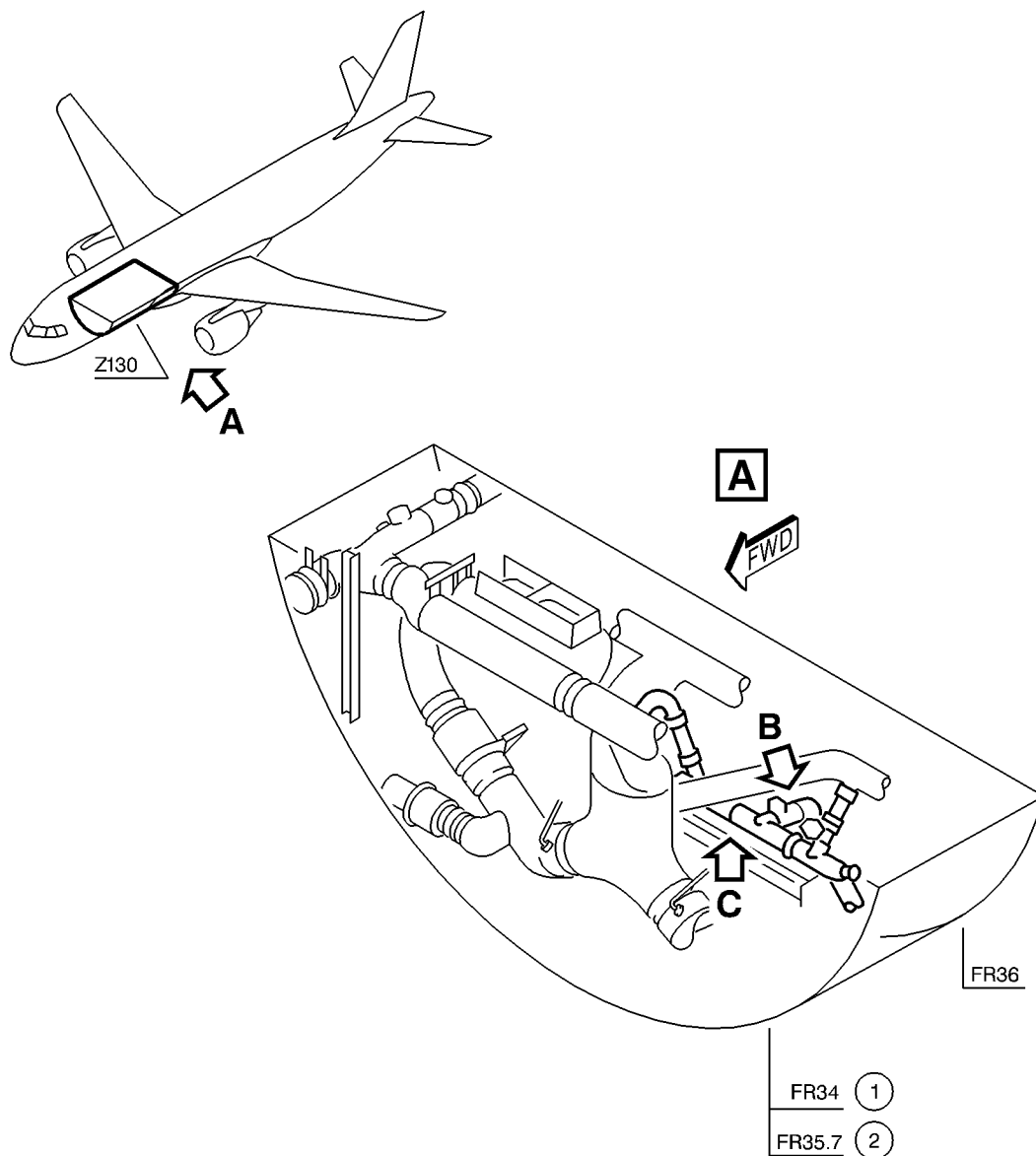
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NB6 21 1165 AGMA-A

**NOTE:**

- ① APPLICABLE TO A318, A319, A320
- ② APPLICABLE TO A321

Figure 2, Sheet 1

Config. 01 thru 04, 06 thru 07, 10 thru 11, 14 thru 15: Replacement of seals of the valves (11HK),(12HK),(13HK),(14HK) and of the blanking cap at the flange

DATE : Mar 14/07

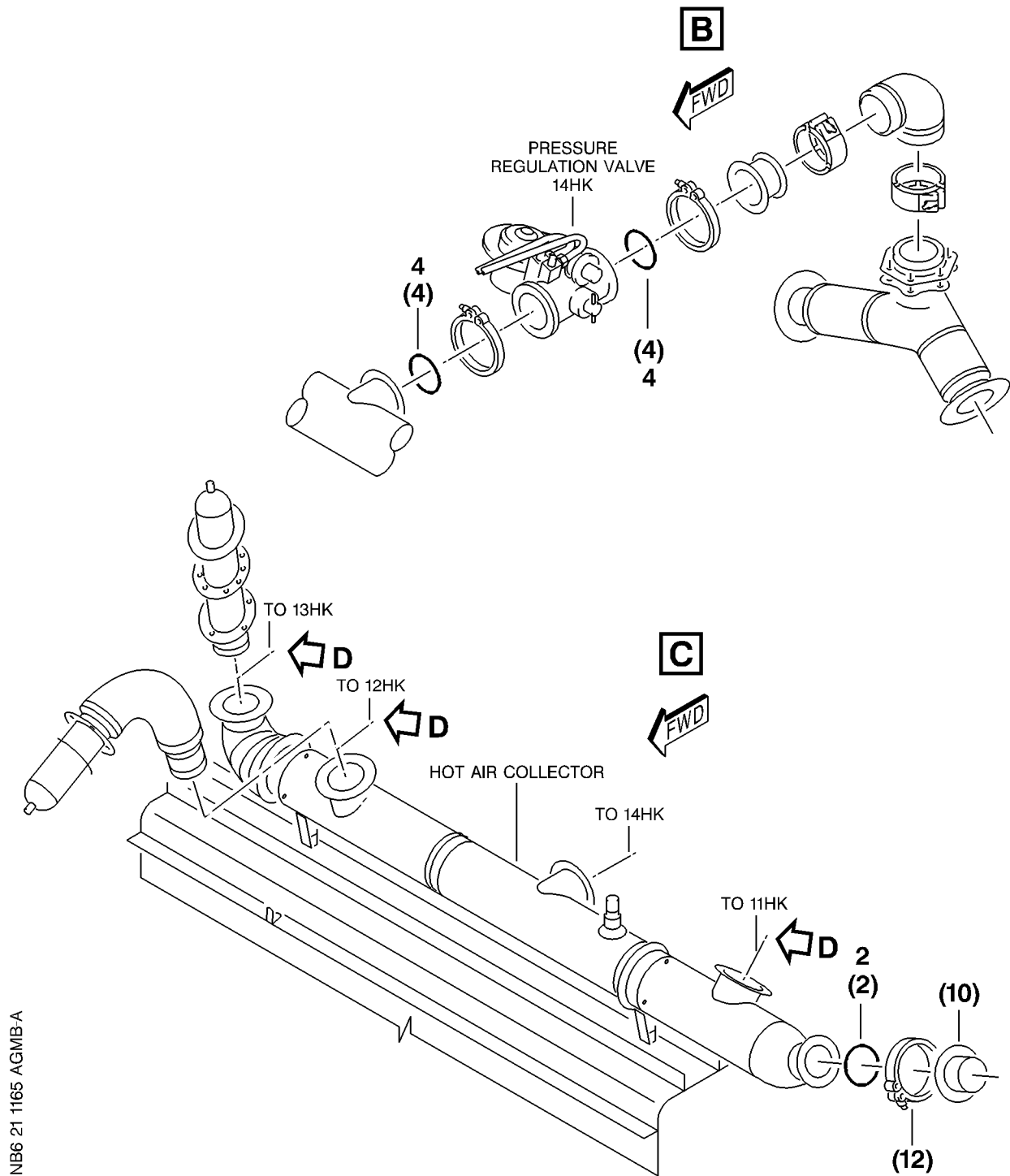
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# **A318/A319/A320/A321**

## SERVICE BULLETIN



NB6 21 1165 AGMB-A

Figure 2, Sheet 2

Config. 01 thru 04, 06 thru 07, 10 thru 11, 14 thru 15: Replacement of seals of the valves (11HK),(12HK),(13HK),(14HK) and of the blanking cap at the flange

DATE : Mar 14/07

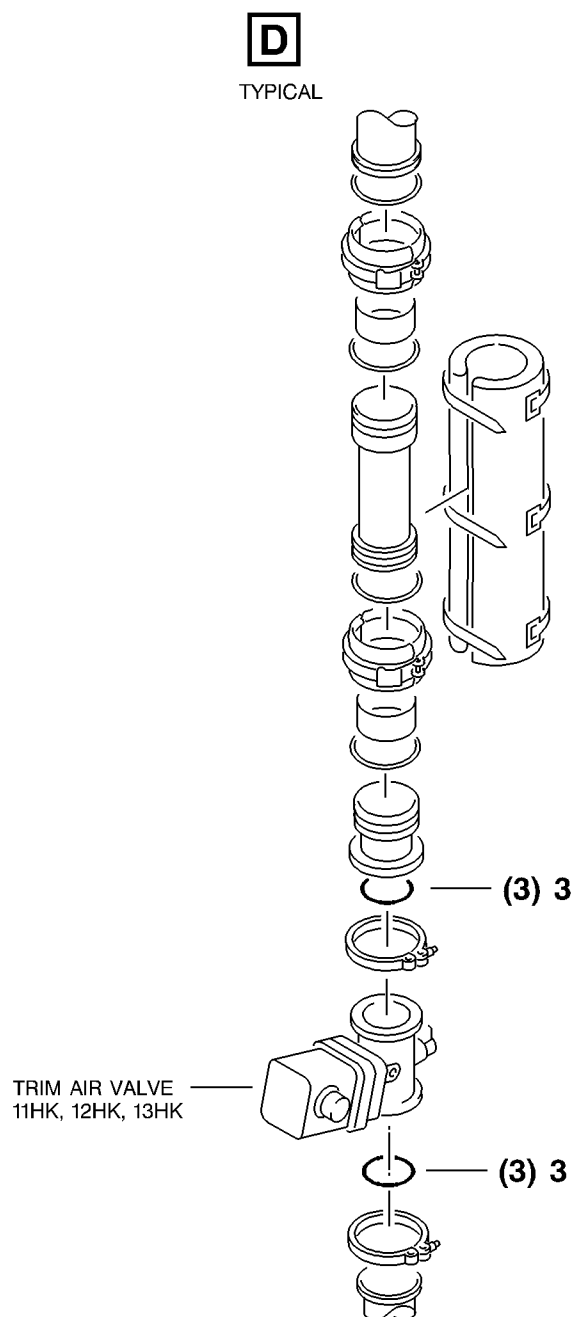
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# **A318/A319/A320/A321**

## SERVICE BULLETIN



NB6 21 1165 AGMC-A

Figure 2, Sheet 3

Config. 01 thru 04, 06 thru 07, 10 thru 11, 14 thru 15: Replacement of seals of the valves (11HK),(12HK),(13HK),(14HK) and of the blanking cap at the flange

DATE : Mar 14/07

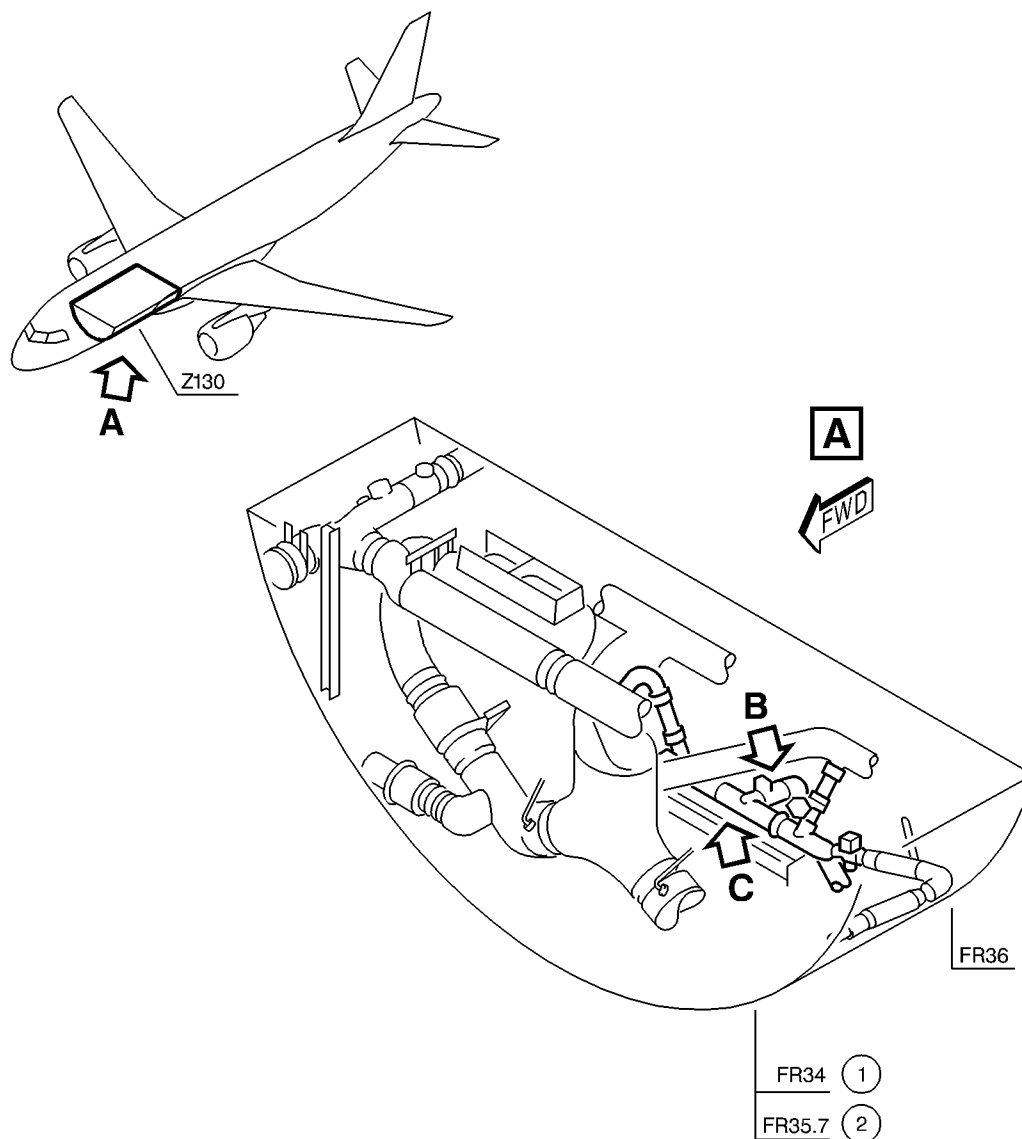
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# **A318/A319/A320/A321**

## SERVICE BULLETIN



NB6 21 1165 AHMA-A

### NOTE:

- ① APPLICABLE TO A319, A320
- ② APPLICABLE TO A321

Figure 3, Sheet 1

Config. 05, 08 thru 09, 12 thru 13, 16 thru 17: Replacement of the seals of the valves (11HK),(12HK),(13HK) and (14HK)

DATE : Mar 14/07

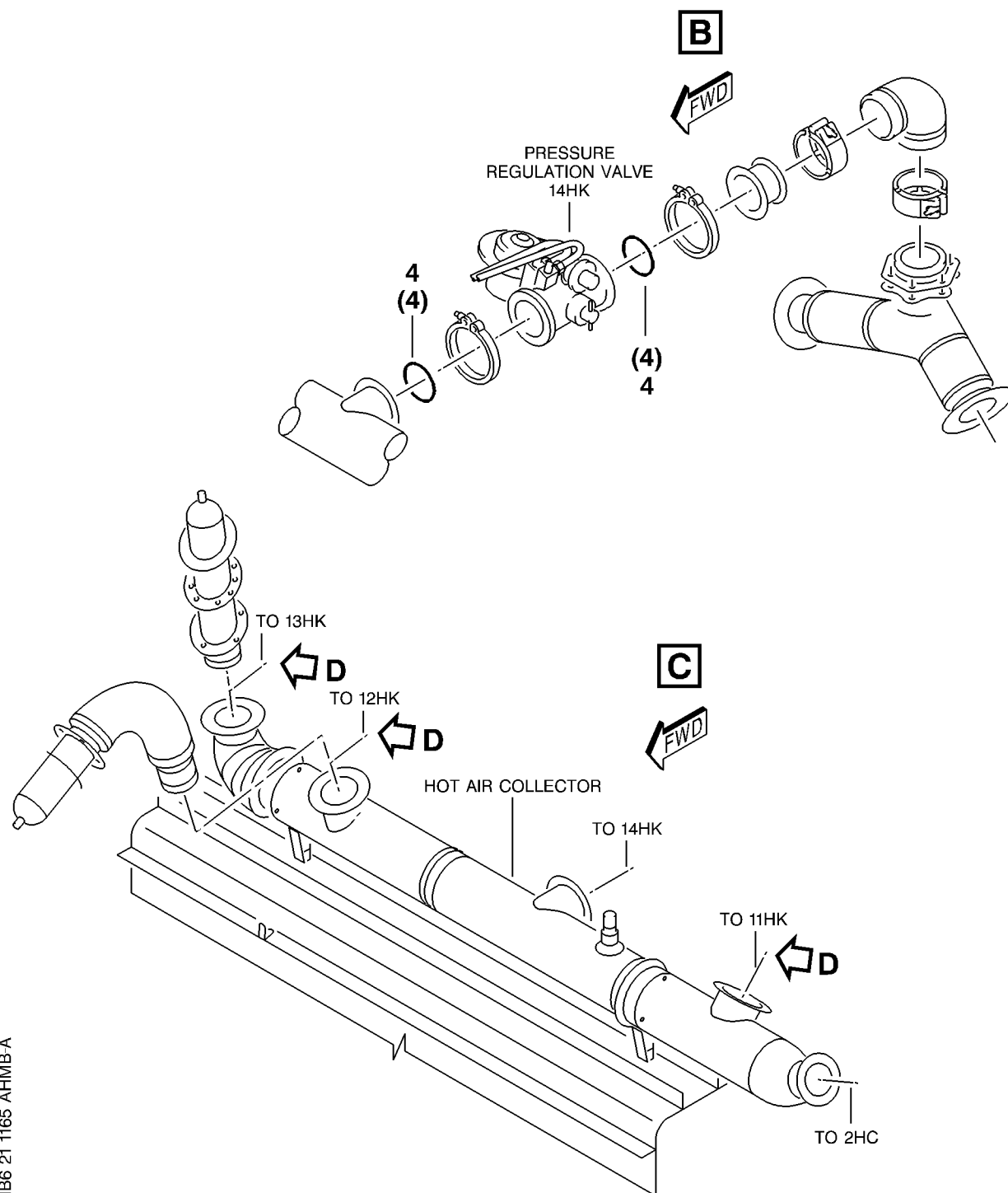
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# **A318/A319/A320/A321**

## SERVICE BULLETIN



NB6 21 1165 AHMB A

Figure 3, Sheet 2

Config. 05, 08 thru 09, 12 thru 13, 16 thru 17: Replacement of the seals of the valves (11HK),(12HK),(13HK) and (14HK)

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Figure 3, Sheet 3

Config. 05, 08 thru 09, 12 thru 13, 16 thru 17: Replacement of the seals of the valves (11HK),(12HK),(13HK) and (14HK)

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

## SERVICE BULLETIN

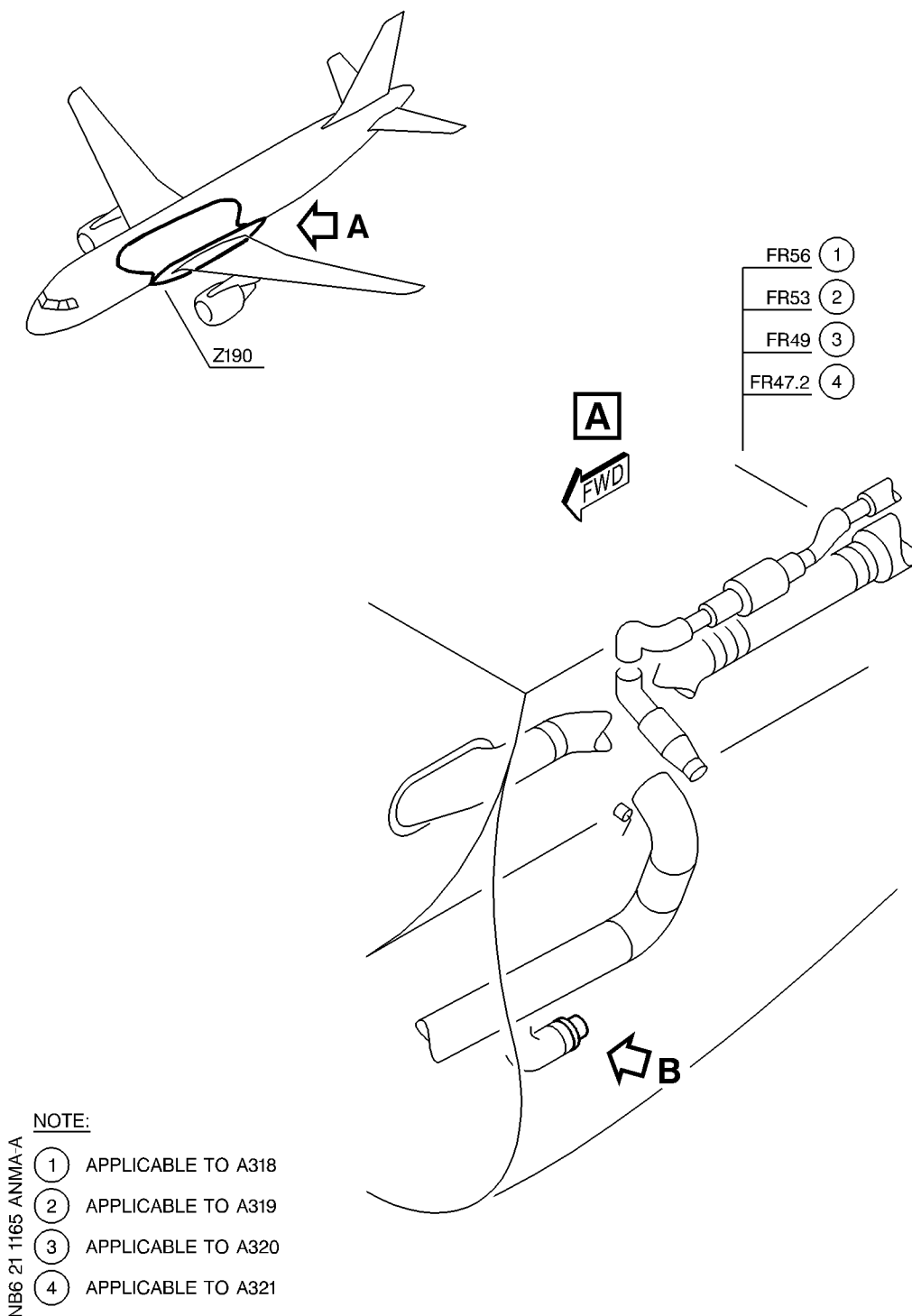


Figure 4, Sheet 1  
 Config. 01, 03, 05 thru 06, 08, 10, 12, 14, 16: Replacement of the seal of the blanking cap at the flange of the APU bleed air duct

DATE : Mar 14/07

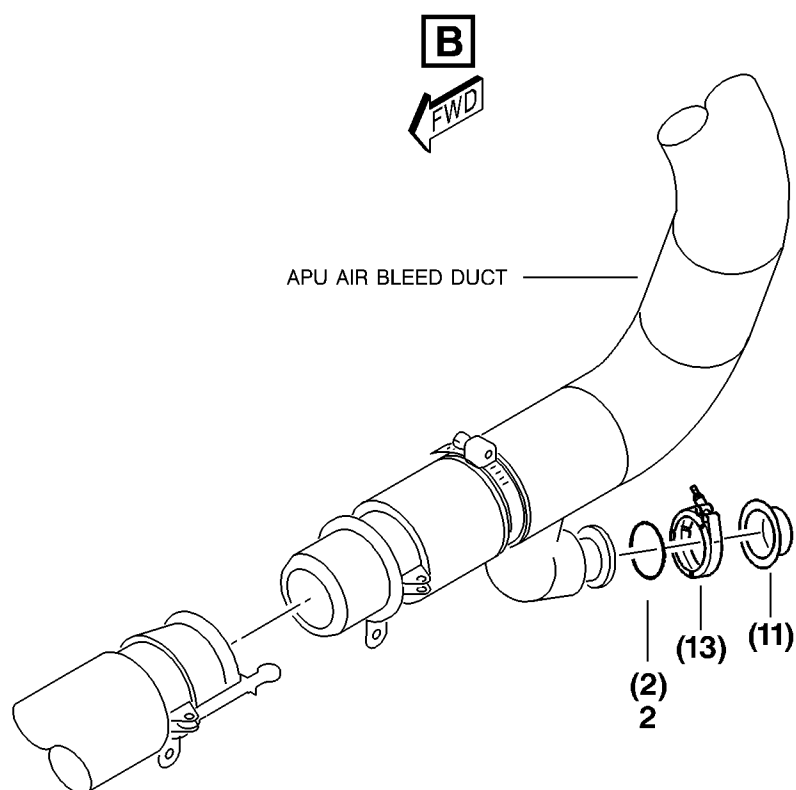
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# **A318/A319/A320/A321**

## SERVICE BULLETIN



NB6 21 1165 ANMB-A

Figure 4, Sheet 2  
Config. 01, 03, 05 thru 06, 08, 10, 12, 14, 16: Replacement of the seal of the blanking cap at the flange of the APU bleed air duct

DATE : Mar 14/07

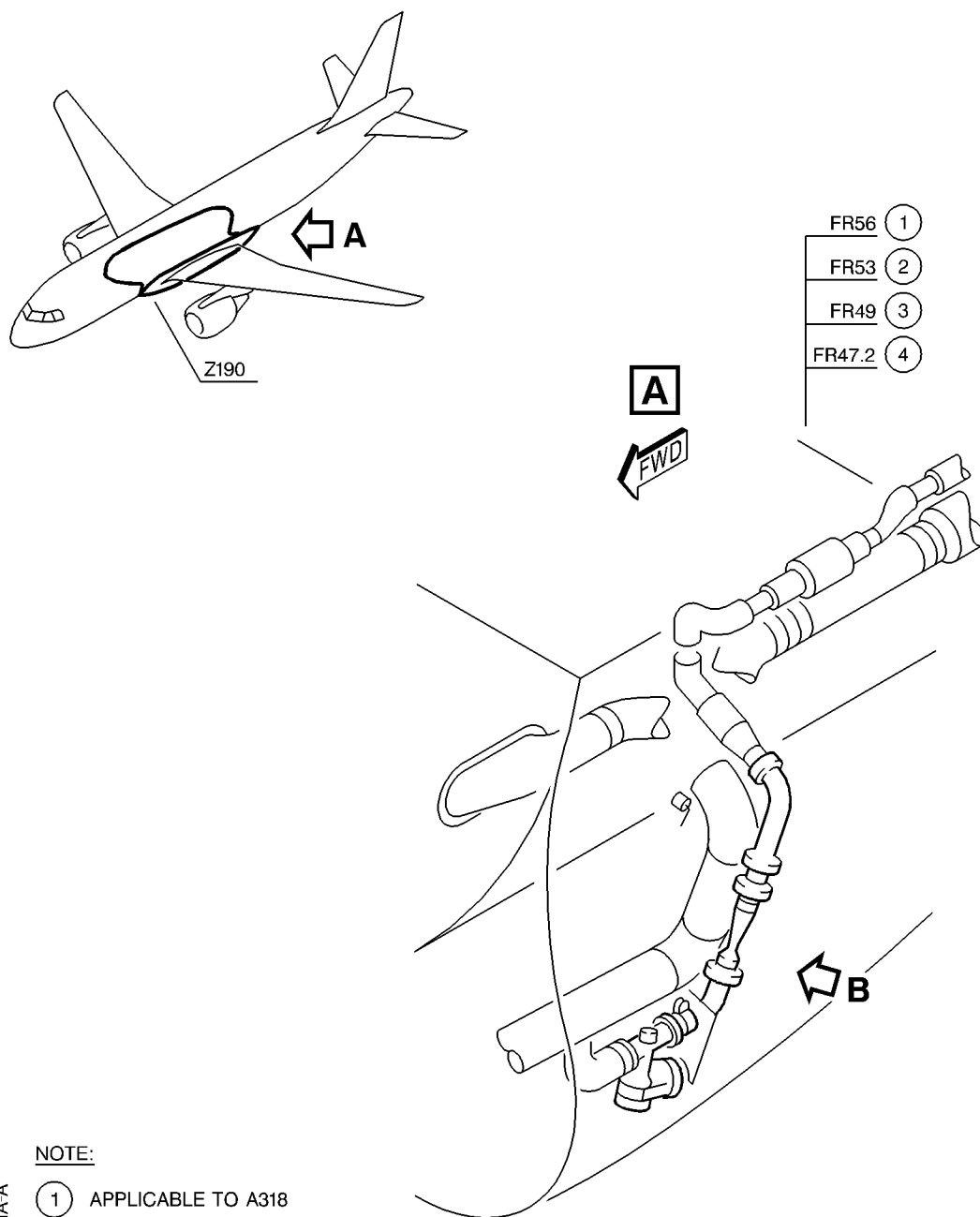
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# **A318/A319/A320/A321**

## SERVICE BULLETIN



### NOTE:

- ① APPLICABLE TO A318
- ② APPLICABLE TO A319
- ③ APPLICABLE TO A320
- ④ APPLICABLE TO A321

NB6 21 1165 ALMA-A

Figure 5, Sheet 1

Config. 02, 04, 07, 09, 11, 13, 15, 17: Replacement of the seals of the valves (11HC) and (12HC)

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

## SERVICE BULLETIN

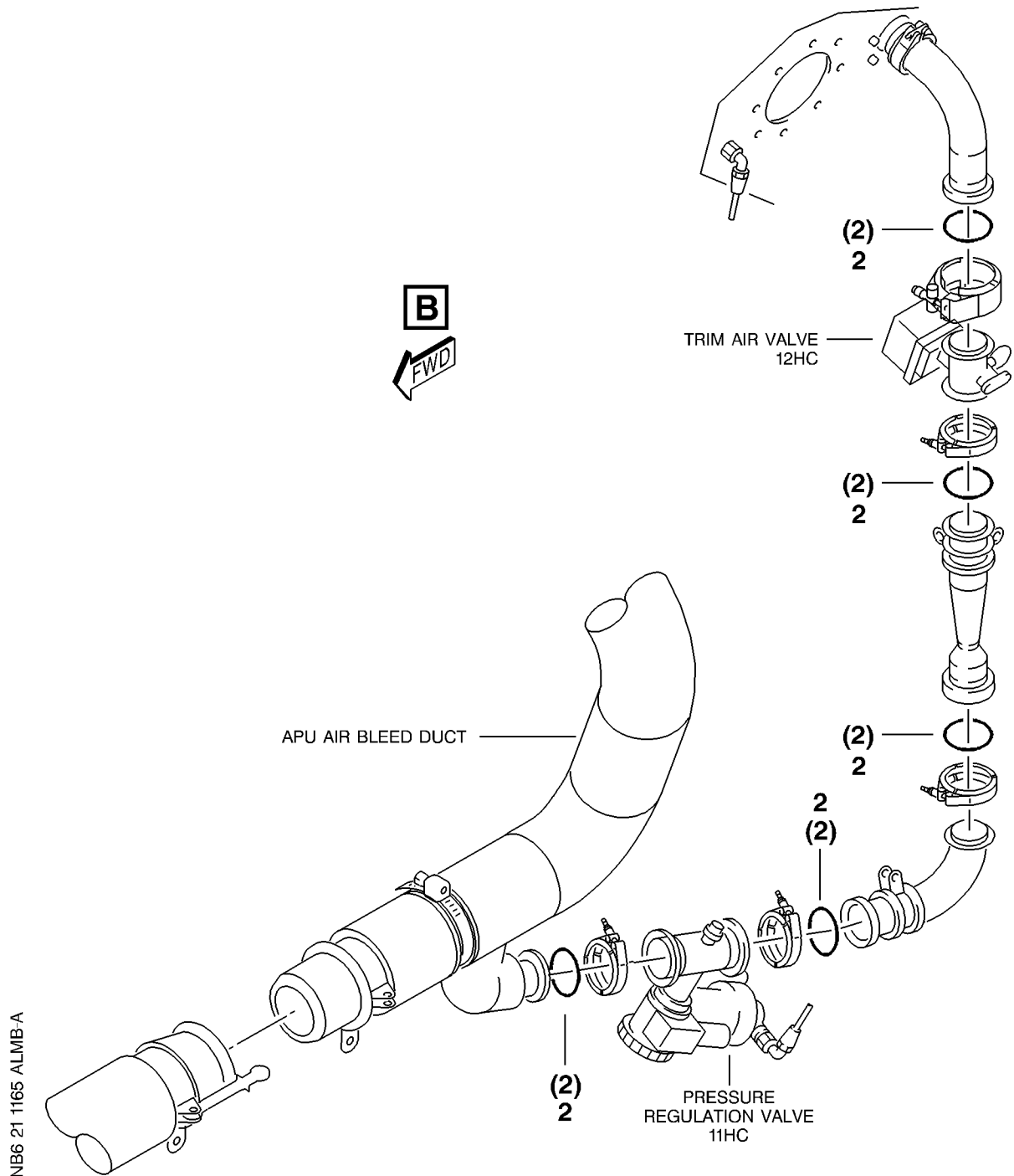


Figure 5, Sheet 2

Config. 02, 04, 07, 09, 11, 13, 15, 17: Replacement of the seals of the valves (11HC) and (12HC)

DATE : Mar 14/07

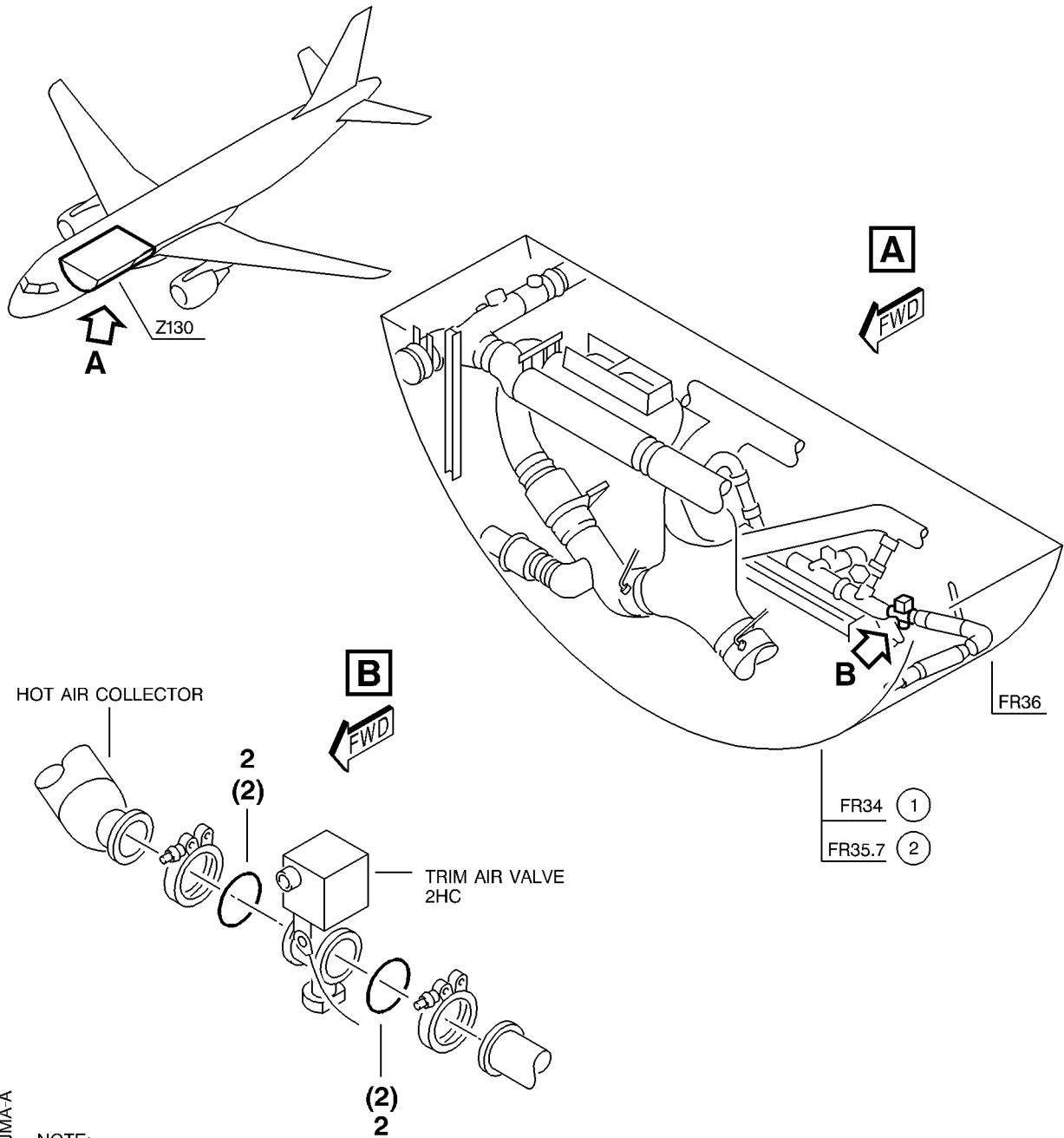
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# **A318/A319/A320/A321**

## SERVICE BULLETIN



NB6 21 1165 AJMA-A

### NOTE:

- (1) APPLICABLE TO A319, A320
- (2) APPLICABLE TO A321

Figure 6, Sheet 1  
Config. 05, 08 thru 09, 12 thru 13, 16 thru 17: Replacement of the seals of the valve (2HC)

DATE : Mar 14/07

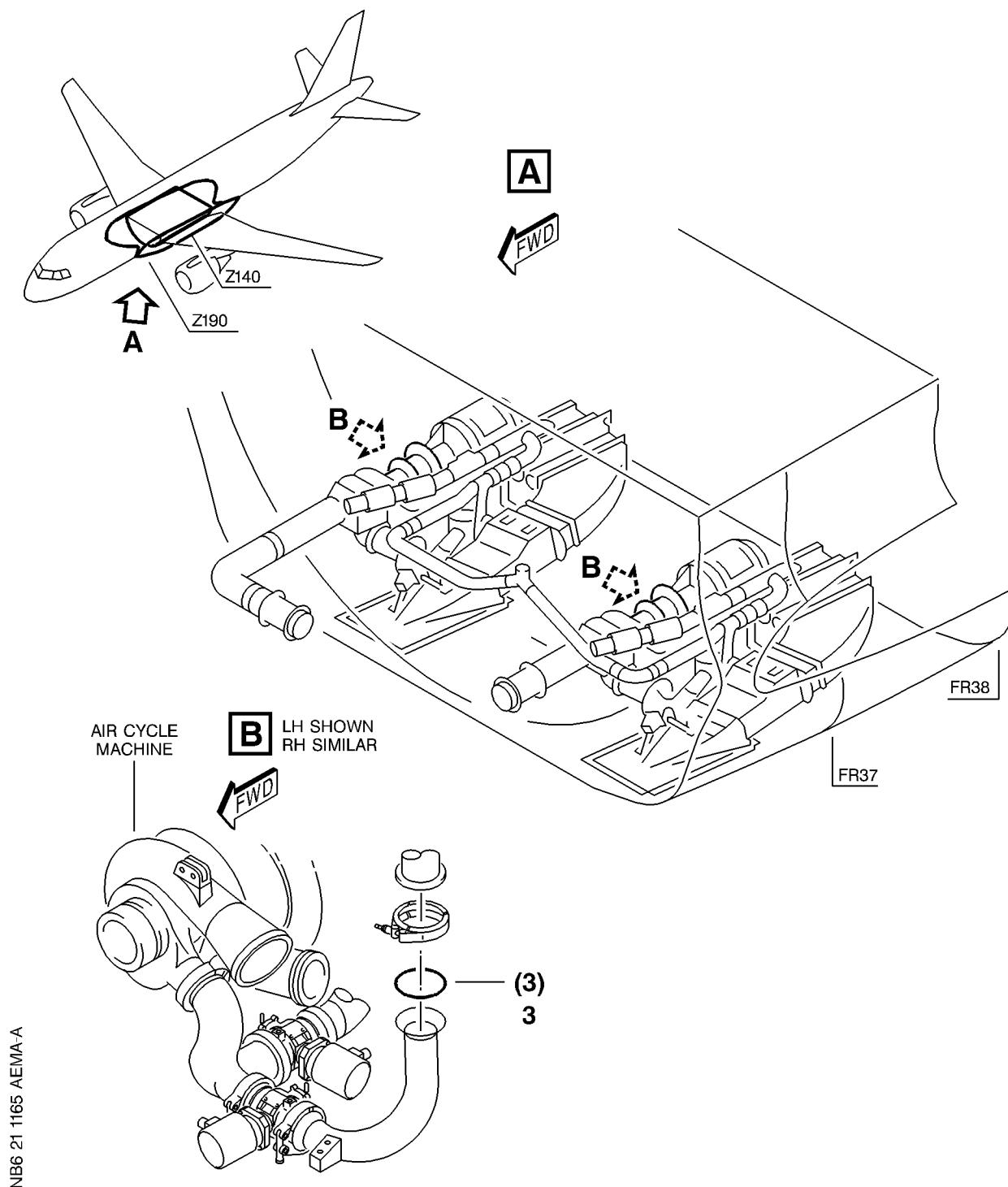
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# **A318/A319/A320/A321**

## SERVICE BULLETIN



NB6 21 1165 AE/MA-A

Figure 7, Sheet 1  
Config. 06 thru 17: Replacement of the seal of the pipe assembly

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

## SERVICE BULLETIN REPORTING SHEET

**TITLE : AIR CONDITIONING - GENERAL - REPLACE NSA8206 SEALS BY ABS5800 PTFE SEALS IN  
SEVERAL ATA 21/36 SUB-SYSTEMS**

**MODIFICATION No. : 36635K10832, 36636K10833, 36637K10834**

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 and signed by a duly authorised representative. With the next feasible revision, this will result in

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

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

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e-mail: sb.reporting@airbus.com

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

DATE : Mar 14/07

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

## SERVICE BULLETIN REPORTING QUALITY

**TITLE : AIR CONDITIONING - GENERAL - REPLACE NSA8206 SEALS BY ABS5800 PTFE SEALS IN SEVERAL ATA 21/36 SUB-SYSTEMS**

**MODIFICATION No. : 36635K10832, 36636K10833, 36637K10834**

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.

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

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X Reason	X List of Materials	X Mod/Inspection
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Comments :

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