

SERVICE BULLETIN
SUMMARY

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

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

ATA SYSTEM: 21

**TITLE: AIR CONDITIONING - CARGO COMPARTMENT HEATING - CHANGE
POSITION OF PRESSURE REGULATION VALVE**

****CONF ALL**

MODIFICATIONS

MODIFICATION CLASSIFICATION					
MAJOR	None				
MINOR	150447K12993				

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

REASON/DESCRIPTION/OPERATIONAL CONSEQUENCES

Operators have found that the Cargo Heat Pressure Regulating Valve, FIN 11HC, is susceptible to contamination and corrosion due to the current installed location. In the current position, investigation have found that the primary cause of the corrosion and contamination is the ingress, due to gravity, of water and sediment particles at the valve body.

This Service Bulletin details the procedure to rotate the Cargo Heat Pressure Regulating Valve, FIN 11HC, by 107 degree. Subsequently the wire harness routing and bonding strap location will be modified.

The accomplishment of this Service Bulletin will prevent ingress at the valve body of particle sediments and water thus limiting early contamination and corrosion.

GENERAL EVALUATION

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

SERVICE BULLETIN SUMMARY

MATERIAL PRICE INFORMATION

****CONF 001**

MATERIAL PRICE INFORMATION TABLE			
MATERIAL SET	QTY PER A/C	PRICE PER A/C (USD)	MAIN PARTS
Kit 211191D01R00	1	55.00	Bonding Strap, Clamp, Spacer and attaching parts

****CONF 002**

MATERIAL PRICE INFORMATION TABLE			
MATERIAL SET	QTY PER A/C	PRICE PER A/C (USD)	MAIN PARTS
Kit 211191D01R00	1	55.00	Bonding Strap, Clamp, Spacer and attaching parts

****CONF 003**

MATERIAL PRICE INFORMATION TABLE			
MATERIAL SET	QTY PER A/C	PRICE PER A/C (USD)	MAIN PARTS
Kit 211191D01R00	1	55.00	Bonding Strap, Clamp, Spacer and attaching parts

****CONF 004**

MATERIAL PRICE INFORMATION TABLE			
MATERIAL SET	QTY PER A/C	PRICE PER A/C (USD)	MAIN PARTS
Kit 211191D01R00	1	55.00	Bonding Strap, Clamp, Spacer and attaching parts

EFFECTIVITY

****CONF ALL**

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

31V	36V	39Z	47W	50X	53U	99W	AAF	AAR	ABQ	ACA	ADH	AEE
AEU	AFL	AFR	AHY	AIJ	AJM	AMU	ANA	ANZ	AUH	AWW	AZA	BAB
BER	BGH	BKP	BTB	BWG	CCA	CEB	CES	CGL	CQH	CQN	CSA	CSC
CSN	CSZ	CTN	D2F	DKH	EEZ	ETD	FFT	FHY	FIN	G2X	G8E	GFA
GWI	GWY	HEJ	HVN	I2L	IAC	IBE	IRA	ISS	IWD	JET	JSA	KAC
KFR	KNE	KZR	LBT	LMU	LTU	LZB	MAC	MDL	MLR	MSR	MXA	NWA
OHY	P2G	PAL	QTR	RBA	RJA	RYW	SAA	SBI	SDM	SFJ	SHY	STZ
SVA	SVR	TAM	TAP	TAR	TAS	TCX	TGW	THY	TOM	UAL	UEA	USA
VLG	VLK	VOI	VRD	VUN	WAN	WVL	WZZ	XLF				

SERVICE BULLETIN
SUMMARY**CONCURRENT REQUIREMENTS**

None

REFERENCES / REPERCUSSIONS

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

NATURE OF THE WORK

AIRCRAFT	YES
EQUIPMENT	NO
HARD	NO
SOFT	NO
OBRM	NO

MANPOWER****CONF 001**

Task 211191-831-848-001: Modification	
TOTAL MANHOURS	3.50
ELAPSED TIME (HOURS)	3.50

****CONF 002**

Task 211191-831-848-001: Modification	
TOTAL MANHOURS	3.50
ELAPSED TIME (HOURS)	3.50

****CONF 003**

Task 211191-831-848-001: Modification	
TOTAL MANHOURS	3.50
ELAPSED TIME (HOURS)	3.50

****CONF 004**

Task 211191-831-848-001: Modification	
TOTAL MANHOURS	3.50
ELAPSED TIME (HOURS)	3.50

APPENDICES

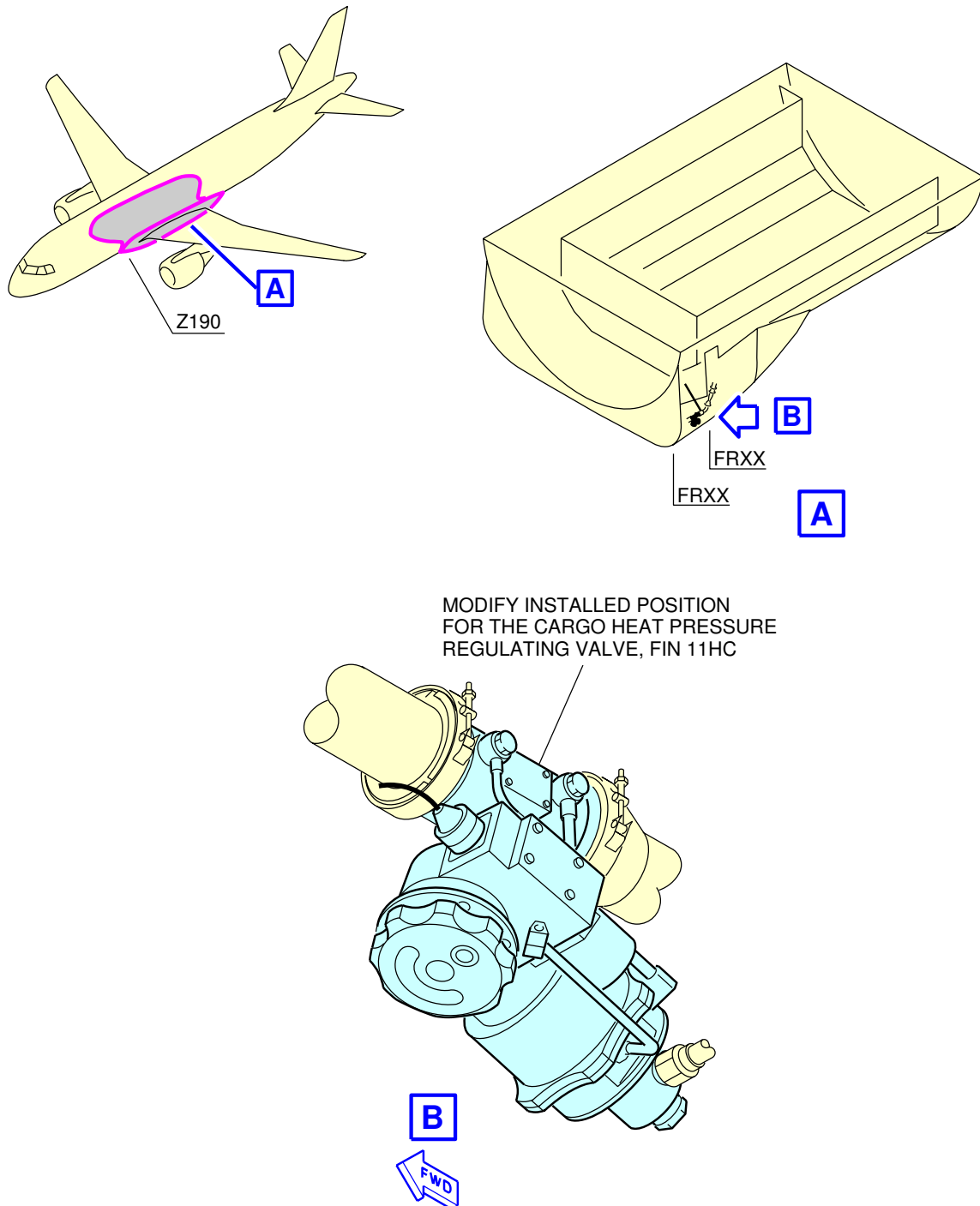
****CONF ALL**

None

A318/A319/A320/A321

SERVICE BULLETIN SUMMARY

****CONF ALL**



N_SB_211191_6_SAAA_01_00

Figure A-GSAAA - Sheet 01

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AIRBUS
CUSTOMER SERVICES DIRECTORATE
1 Rond Point Maurice Bellonte
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Fax : (33) 5 61 93 42 51

ATA SYSTEM: 21

**TITLE: AIR CONDITIONING - CARGO COMPARTMENT HEATING - CHANGE
POSITION OF PRESSURE REGULATION VALVE**

MODIFICATION No.: 150447K12993

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1. PLANNING INFORMATION

****CONF ALL**

A. EFFECTIVITY

(1) Models

318-111	319-111	319-112	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	321-131	321-211	321-231				

(2) Effectivity by MSN

0003 0012 0016 0044 0087-0088 0108 0115 0118 0121 0123 0125 0130 0132 0134
0136 0138-0139 0143-0146 0148 0151-0153 0155-0156 0158 0160 0165-0168
0170-0171 0173-0176 0178-0179 0181-0182 0184 0189-0190 0192 0194-0199 0204
0206-0208 0210-0215 0219 0223-0224 0231-0232 0234-0237 0239-0241 0244-0246
0258 0262-0264 0266 0270 0272-0274 0278-0279 0281-0284 0288-0289 0297-0298
0300 0302-0303 0305-0307 0309 0312 0318-0319 0323 0325 0328-0329 0331 0337
0339-0340 0343 0345 0351-0352 0355-0356 0358 0360 0364-0367 0371-0372 0375
0377 0380-0381 0383 0385 0387-0388 0393-0395 0399-0400 0403-0404 0407-0410
0413 0417-0421 0427 0435-0436 0438-0439 0442 0450 0452 0454 0456-0457 0459
0462-0466 0470 0472 0475 0479 0482-0483 0485 0487 0489 0491 0497-0498
0500-0501 0503-0504 0506-0510 0512 0521 0523 0525 0529 0531 0534 0537 0539
0542-0544 0549 0554 0568-0569 0571 0579 0587 0589 0591-0592 0597 0604
0613-0614 0638 0645 0655 0658 0665 0669 0671 0674-0675 0678 0680 0683-0685
0687 0696 0698 0702 0704-0707 0709-0710 0712 0714-0716 0718 0720 0722
0724-0725 0730 0735 0737 0739 0743 0745 0749 0751 0754 0761 0764 0766 0772

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0778 0780-0781 0786 0799 0801-0802 0807-0808 0811 0818 0820 0823-0824 0826
0828 0830 0832 0834 0836 0838-0839 0842 0844 0846 0849 0851 0854 0857 0859
0861 0863 0865 0868 0876 0879 0881 0883 0885 0888 0890 0892 0895-0897 0900
0903-0904 0907 0909 0911 0914 0921-0923 0925 0928-0929 0932 0936 0939 0941
0943 0946 0949-0951 0955-0956 0961-0964 0966-0967 0972-0973 0977-0978 0981
0984 0986 0988 0992 0994 0996-0997 0999 1001 1005-1006 1008 1011 1017 1019
1021 1027-1028 1030 1033 1035 1037-1042 1046-1047 1051-1052 1055 1057-1059
1061-1063 1065 1067 1069-1073 1077-1078 1084 1087 1089-1091 1093 1095 1097
1099 1101 1104-1105 1107-1109 1112 1114 1119 1122 1125-1126 1128-1131
1134-1136 1138 1141 1146-1149 1152 1154-1155 1163-1164 1167-1168 1170-1171
1175 1180 1182 1184-1185 1191-1192 1198 1200 1203-1205 1208-1210 1213 1217
1219 1221 1224 1226-1227 1229-1230 1233 1238 1241 1245 1247-1250 1254-1255
1259 1262-1266 1268-1269 1272 1275 1277 1282 1285-1290 1292 1294 1296-1298
1301 1303 1309-1319 1324-1326 1328 1330-1331 1340-1343 1345-1348 1352 1354
1357-1364 1369 1371-1372 1377-1379 1382 1386 1389-1393 1396 1403 1405 1409
1412 1414 1417 1425 1427 1430-1432 1434-1436 1441-1442 1447-1448 1451
1453-1457 1461-1462 1465 1469-1470 1472-1473 1475 1480-1481 1483-1484
1488-1489 1492-1493 1495-1496 1498-1499 1501 1503 1508 1514-1517 1519-1521
1525 1530-1533 1535-1536 1538-1544 1549-1551 1554-1555 1559-1560 1564
1566-1567 1570 1572 1578-1579 1582-1584 1586 1588 1596 1598 1601 1603 1607
1609 1612 1614-1615 1617 1620 1625 1633 1635 1639 1641 1646 1648 1651
1654-1655 1659-1660 1662 1666 1669 1674 1678-1681 1683-1686 1693-1694
1701-1702 1704 1706 1709 1712 1714 1716-1717 1722 1724-1725 1728 1735-1736
1738 1740-1741 1743 1745-1747 1751-1753 1755 1757 1759 1761 1766-1767 1770
1773-1776 1778-1779 1781 1786 1788-1789 1791 1793 1796 1800 1803 1808-1810
1812 1815 1819-1821 1824 1828 1833-1834 1836 1839-1842 1845-1847 1851 1860
1863 1865 1867 1870 1875-1876 1884 1890 1892 1895 1897 1901-1902 1905-1906
1911 1913 1916 1923 1928 1939 1943 1957 1959 1964 1966 1971 1973-1974 1976
1978 1980-1983 1986 1988-1991 1995 1997 2001-2002 2004 2008 2010 2012-2014
2017 2019 2022-2023 2026 2028 2030 2032-2034 2036 2039 2044 2047-2049
2051-2052 2054 2056-2057 2061 2065 2067-2070 2072-2074 2079-2080 2082-2083
2085-2088 2090-2095 2097 2101 2103-2104 2106-2107 2112 2115-2116 2121
2123-2124 2127 2130 2133 2135 2138-2139 2143-2144 2146 2148 2151 2153-2155
2161 2163 2165 2171 2173 2175 2179 2182 2187 2198-2200 2203 2208-2209 2212
2218-2222 2225 2232-2233 2235-2236 2239-2244 2248 2253-2255 2257-2258
2260-2261 2264 2266-2268 2270 2273-2276 2281 2287-2288 2297 2303 2308-2311
2315-2316 2318 2325-2327 2330-2331 2334 2337 2340 2342-2343 2345 2347
2354-2357 2361 2365 2369 2371-2373 2375 2379 2381 2388 2391-2393 2400 2403
2406-2408 2413 2418 2426 2435 2437-2438 2443 2445 2448 2451 2464-2465 2469
2472 2474 2478 2480 2483-2484 2488 2493 2496-2498 2501-2502 2505-2506 2509
2511 2518-2519 2521 2530 2533 2541 2543 2546 2549 2554-2555 2558 2562-2563
2571 2574 2579 2591 2593-2594 2598-2599 2606-2607 2609 2618 2620 2624
2626-2629 2631-2632 2637 2641 2645 2648-2649 2655 2658 2660-2663 2667 2672
2674 2676 2680 2684 2688-2689 2692-2693 2695 2700-2701 2708 2713-2714 2719
2730 2734 2741 2743 2745 2751 2757-2759 2762-2763 2767 2770 2772-2774 2778
2789 2793 2796 2800 2806 2809 2811 2815 2823-2825 2828 2830 2834 2836 2841
2851 2855 2857 2861 2868-2869 2874-2875 2877-2879 2882 2895 2899 2901 2903
2905 2907 2909 2912-2913 2915 2920 2925 2928 2932 2934-2936 2938-2941 2943
2947-2948 2950 2953-2954 2957 2960-2961 2965 2969 2971 2973-2975 2980 2984
2986-2987 2995 2997-2999 3005 3008 3010 3013-3015 3020 3022-3025 3027-3028
3031-3033 3038 3043 3052 3060 3063 3066-3067 3071 3074-3076 3079-3080 3087
3094 3097 3099 3107-3108 3110 3112 3115 3126 3130-3132 3141-3142 3144
3146-3148 3153 3157 3163 3168 3170 3178 3185-3187 3189 3191 3197-3198

3205-3208 3212-3213 3215 3217 3221 3233-3234 3239 3241 3247 3249 3251
 3257-3258 3262 3267-3269 3271-3274 3281 3283 3288 3293 3295 3298 3300 3303
 3305 3310-3311 3315 3326 3328 3334 3336-3337 3340-3344 3350 3355 3362
 3365-3369 3373 3383 3389 3392 3397-3398 3405-3406 3410 3412 3420-3424
 3428-3429 3431 3435-3436 3439-3440 3446 3452 3454-3456 3458-3459 3461-3462
 3464 3470-3471 3473 3478 3481-3482 3484-3485 3490 3493-3494 3498 3502-3503
 3506-3507 3511 3515-3516 3519 3522 3525-3528 3532 3539 3545 3551-3553
 3557-3559 3563 3566-3567 3573-3574 3579 3587 3593 3596 3598-3601 3603 3605
 3609 3611-3614 3619-3620 3627 3631 3636 3639-3640 3643-3645 3650 3652 3654
 3660 3666 3669 3677 3681-3682 3685 3687 3692-3696 3698-3699 3706 3709 3711
 3713-3714 3716 3718-3719 3731-3732 3737 3739 3745 3752-3753 3756 3758-3759
 3762 3764 3767 3773 3775 3778 3780 3784-3786 3789 3791-3794 3797 3803 3809
 3815 3820 3822-3823 3828-3829 3831-3832 3835-3836 3838 3846-3848 3850 3852
 3855 3860 3862 3866-3868 3870 3874 3876 3878 3880 3885 3887 3889-3890 3892
 3896 3898 3901-3904 3906-3907 3910-3911 3918 3920-3921 3923 3929 3931
 3933-3935 3937-3938 3941-3942 3949 3951 3954-3956 3959 3964-3966 3970-3971
 3976 3978 3981 3983 3990 3998-3999 4002-4003 4009-4010 4015 4017 4020
 4027-4030 4032 4036-4038 4043-4044 4049 4052 4055 4057-4059 4065-4067
 4071-4072 4074-4075 4077-4078 4081 4083 4089-4090 4092 4094 4096 4099
 4103-4104 4108 4110-4111 4115-4116 4119 4121-4122 4124 4130 4133 4135-4140
 4143-4144 4146 4148 4150 4152 4155 4158-4160 4164-4165 4172-4173 4176

(3) Effectivity by Operator

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

OPERATOR	MSN
31V	0438
36V	0134
39Z	0956
47W	0764
50X	0543
53U	3142 3990 4065 4094
99W	3038
AAF	0244 0808 0823 0888 1006 1451 1846 3852
AAR	0802 1227 2943
ABQ	0394 1008
ACA	0174 0175 0210 0231 0232 0284 0309 0403 0404
ADH	2869 2932 2995 3076 3079 3080 3115 3178 3213 3295 3328 3343 3598 3609 3643
AEE	3033 3066 3074 3365 3392 3423 3439 3462 3478 3526 3527 3709 3714 3745 3753 3773 3785 3820 3829 3850 3878 4165
AEU	0136

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OPERATOR	MSN
AFL	2052 2069 2072 2091 2093 2106 2116 2133 2144 2151 2163 2179 2222 2233 2243 2330 2337 2342 2875 2903 2912 2920 2947 2957 2965 3052 3063 3157 3191 3267 3281 3298 3334 3336 3373 3410 3511 3545 3574 3627 3631 3640 3644 3699 3711 3778 3786 3789 3794 3823 3835 3838 3923 3942 3954 3998 4058 4074 4099 4103 4116 4133 4148 4160
AFR	0012 0016 0044 0108 0115 0130 0144 0145 0155 0156 0184 0214 0235 0236 0237 0239 0270 0278 0337 0352 0377 0491 0498 0509 0521 0529 0544 2938 2961 3008 3420 3470 4137 4139
AHY	0331
AIJ	1259
AJM	1213 1390 1503 1747 1751 1905 2048
AMU	0597 0928
ANA	0139 0151 0167 0170 0196 0212 0219 0245 0300 0328 0365 0383 0413 0482 0501 0507 0531 0534 0549 0554 0658 0669 0685 2061 2998 3099 3147 3148 3189
ANZ	2085 2090 2112 2130 2148 2153 2173 2257 2297 2533 2594 2663
AUH	2403
AWW	0393
AZA	0951 0999 1138 1168 1217 1226 1448 1457 1473 1480 1489 1722 1740 1745 1770 1779 2033 2057 2074 2083 2086 2101 2127 3362 3412 3464 3482 3502 3515 3532 3563 3666 3695 3732 3815 3831 3846 3885 3906 3921 3956 3976 3978 4075 4108 4119 4143 4152
BAB	0579 0645 2700 2763 3896 3931 3949 4055
BER	1966 1988 3422 3516
BGH	0305
BKP	2254 2310 2509 3421 3424 3454 3694 3759 3911
BTV	0168 2648 2660
BWG	4044 4067
CCA	0707 0724 0876 0921 1296 1654 1679 1753 3337 3461 3601
CEB	3272 3762 3767
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 3168 3170 3186 3197 3233 3247 3249 3262 3471 3481 3559 3593 3611 3612 3613 3639 3650 3677 3682 3692 3716 3775 3793 3797 3870 3904 3929 3937 3965 4027 4037 4043 4111 4144
CGL	0234
CQH	0879 0978 1286 1372 1686 2939 3014 3023 4072
CQN	0696 0698 0704 0705 3836 3876 3901
CSA	0674 0684 2719 2758 2789 3031 3043 3060 3094 3097 3406 3436 3452 3660 3892
CSC	0591

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OPERATOR	MSN
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 3067 3075 3112 3144 3217 3241 3251 3258 3269 3311 3342 3459 3493 3507 3552 3566 3587 3645 3681 3764 3784 3828 3847 3860 3867 3890 3903 3910 3920 3934 3938 3941 3951 3959 3981 3983 3999 4003 4017 4036 4038 4071 4140 4172
CSZ	0994 2672 2684 2841 2905 2909 2935 2973 2980 3131 3132 3153 3206 3366 3383 3435 3440 3456 3528 3599 3696 3698 3756 3848 3855 3887 3898 3935 3971 4010 4028 4159 4176
CTN	0258 0671
D2F	0211
DKH	2879 2913 2975 3027 3234 3268 3368 3485 3596 3605
EEZ	0737 0749 1983 2001
ETD	3693 3713 3902 4066 4077 4124
FFT	1515 1579 1583 1660 1684 1759 1781 1803 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 2325 2392 2400 2406 2448 2465 2483 2497 2518 2751 2806 2836 2857 3110 3163 3389 3431
FHY	0132 0283 0288
FIN	0941 0961 1073 1107 1184 1185 1241 1309 1352 1364 1405 1470 1544 1588 1678 1712 1735 1791 1808 1913 1916 1978 1989 2065 2124 2146 2154 2208 2266
G2X	0190 0289 1973
G8E	0003 2762 3215 3221 3506
GFA	0325 0375 0409 0419 0459 0466 0497 0537 0675 0761 1884 1901 3706 4030 4059 4083 4146 4158
GWI	1077 1084 1089 1136 1147 1155 1170 1209 1277 2607 2628 2632
GWY	1152 1198 1564 1615 1725 1860 1867 2327
HEJ	0087 0088
HVN	2255 2261 2267 2303 2480 2974 3005 3013 3022 3198 3315 3355 3600 3737 3862 3964 3966 4136
I2L	0604 0614
IAC	2593 2624 2629 2907 3130 3146 3212 3271 3288 3300 3305 3326 3340 3344 3367 3498 3551 3557 3573 3619 3620 3687 3752 3792 3822 3874 3918 3955 3970 4002 4009 4020 4029 4052 4078 4089 4096 4121 4138 4155 4164
IBE	0158 0173 0176 0207 0223 0224 0266 0274 0323 0356 1021 1027 1047 1059 1067 1087 1099 1101 1119 1154 1180 1208 1229 1247 1255 1262 1288 1292 1318 1347 1362 1454 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

SERVICE BULLETIN

OPERATOR	MSN
IRA	0303 0312 0345 0857 2054
ISS	1125
IWD	2745 3758 3868 3889 3933
JET	0204 0215 0371 0421 0542
JSA	2316 2356
KAC	0181 0182 0195
KFR	2413 2443 2496 2502 2645 2676 2874
KNE	2123 2165
KZR	1042 1204 2828 2987 3141 3484 3519 3614
LBT	0246 0400 1175
LMU	0932 0943
LTU	1441 1493 1607
LZB	3028 3780
MAC	3809
MDL	0279
MLR	0977
MSR	0165 0166 0178 0194 0198 0351 0366 0680 0687 0715 0725 2070 2073 2079 2088 2094
MXA	0179 1598 1612 1625 1706 2662
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 0963
P2G	0302
PAL	0706 0745 0936 1171 1210 2878 2925 2954 3087 3107 3108 3187 3205 3273 3310 3455 3553 3579 3652 3731
QTR	1566 1648 1773 1895 1928 1957 2097 2107 2121 2138 2161 2288 3071 3274 3369 3397 3636 3669 4110 4130 4173
RBA	2023 2032 2135 2139
RJA	2598 2649 2692 2730 2793 2953 3428 3458 3522 3685 3803 3832
RYW	0569
SAA	2268 2281 2308 2326 2355 2375 2379 2418 2438 2469 2501
SBI	1071 1078 1090 1091 1126 1129 1131 1149 1164 1167 1819 1870 2028 2369 2373 2464 2474 2618 2641 3446 3473 3490 3494 3866 3880 4032 4150
SDM	0427 0525 1130 1488 1560 1578 1743 1761 1767 1851 1863 1876 1890
SFJ	2620 2658 2695 3025
SHY	0138 0148 0811

SERVICE BULLETIN

OPERATOR	MSN
STZ	0420 0436
SVA	4015 4057 4081 4090 4092 4104 4115 4122 4135
SVR	0735 1063 1484 2175 2187
TAM	1717 1757 1775 2014 2044 2372 2393 2445 2661 2734 3032
TAP	0395
TAR	0123
TAS	0739 0743
TCX	0716 1238 1250
TGW	2331 2340
THY	1219 1233 2609 2626 2631 2655 2823 2868 2928 2934 2941 2984 2999 3010 3015 3126 3185 3207 3208 3239 3257 3283 3303 3341 3350 3405 3429 3525 3539 3558 3567 3603 3654 3718 3719
TOM	0781
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 0702 0751 0780 0820 0824 0826 0834 0836 0842 0851 0865 0955 1001 1104 1105 1128 1146 1163 1192 1248 1266 1272 1282 1290 1341 1343 1359 1363 1409 1427 1432 1435 1469 1475 1495 1508 1514 1533 1538 1555 1559 1584 1586 1609 1617 1620 1669 1680 1702 1728 1741 1755 1821 1840 1842 1845 1847 1865
UEA	0946 0949 1263 2774 3024
USA	0844 0861 0863 0868 0885 0890 0896 0904 0922 0929 0972 0997 1019 1033 1038 1040 1046 1051 1052 1055 1061 1065 1069 1095 1097 1109 1112 1114 1122 1134 1135 1141 1148 1182 1203 1205 1224 1245 1254 1264 1265 1268 1269 1275 1287 1289 1294 1297 1298 1301 1310 1311 1313 1314 1315 1317 1319 1326 1328 1331 1340 1342 1348 1354 1358 1360 1369 1371 1378 1382 1389 1391 1393 1403 1412 1417 1425 1431 1436 1442 1447 1455 1462 1465 1472 1481 1492 1496 1499 1517 1519 1521 1525 1531 1536 1539 1651 1666 1701 1704 1724
VLG	0143 0146 0199 0240 0241 0264 0992 1221 1396 1430 1461 1550 2388 2407 3293
VLK	0714 0730 1200 1379
VOI	2997
VRD	2674 2773 2778 2800 2811 2830 2851 3398 3503
VUN	1017
WAN	3739 3791 3907 4049
WVL	2571
WZZ	0839 0892 1635 1834 1892 1902 2688
XLF	0189 0343 0407 0973

(4) Configuration by MSN

MSN	CONFIGURATION
0003 0012 0016 0044 0087 0088 0108 0115 0118 0121 0123 0125 0130 0132 0134 0136 0138 0139 0143 0144 0145 0146 0148 0151 0152 0153 0155 0156 0158 0160 0165 0166 0167 0168 0170 0171 0173 0174 0175 0176 0178 0179 0181 0182 0184 0189 0190 0192 0194 0195 0196 0197 0198 0199 0204 0206 0207 0208 0210 0211 0212 0213 0214 0215 0219 0223 0224 0231 0232 0234 0235 0236 0237 0239 0240 0241 0244 0245 0246 0258 0262 0263 0264 0266 0270 0272 0273 0274 0278 0279 0281 0282 0283 0284 0288 0289 0297 0298 0300 0302 0303 0305 0306 0307 0309 0312 0318 0319 0323 0325 0328 0329 0331 0337 0339 0340 0343 0345 0351 0352 0355 0356 0358 0360 0365 0366 0367 0371 0372 0375 0377 0380 0381 0383 0387 0388 0393 0394 0395 0399 0400 0403 0404 0407 0408 0409 0410 0413 0417 0418 0419 0420 0421 0427 0435 0436 0438 0439 0442 0450 0452 0454 0456 0457 0459 0462 0463 0464 0465 0466 0470 0472 0475 0479 0482 0483 0485 0487 0489 0491 0497 0500 0501 0503 0504 0506 0507 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 0705 0706 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 0881 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 0992 0994 0996 0999 1001 1005 1011 1028 1030 1035 1037 1039 1041 1047 1052 1057 1059 1061 1063 1065 1067 1070 1072 1087 1093 1099 1101 1104 1105 1108 1112 1114 1119 1125 1128 1130 1134 1138 1141 1146 1148 1152 1163 1168 1171 1175 1192 1198 1200 1208 1210 1213 1217 1221 1224 1226 1229 1248 1255 1259 1262 1264 1266 1268 1272 1282 1286 1288 1290 1292 1294 1296 1298 1310 1312 1314 1316 1318 1330 1341 1343 1345 1347 1357 1359 1361 1363 1372 1379 1390 1396 1405 1409 1427 1430 1432 1435 1441 1448 1454 1457 1461 1469 1470 1473 1475 1480 1484 1489 1493 1495 1508 1514 1516 1530 1532 1533 1535 1538 1540 1542 1544 1550 1555 1559 1564 1566 1578 1584 1586 1588 1609 1615 1617 1620 1633 1635 1639 1641 1646 1648 1655 1669 1674 1678 1680 1686 1694 1702 1712 1717 1725 1728 1735 1736 1741 1747 1751 1755 1757 1767 1773 1775 1789 1793 1809 1812 1821 1834 1840 1842 1845 1847 1860 1865 1867 1892 1895 1902 1906 1911 1913 1957 1964 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 2104 2106 2112 2116 2121 2123 2130 2133 2135 2138 2139 2143 2144 2146 2148 2151 2153	001

SERVICE BULLETIN

MSN	CONFIGURATION
2154 2155 2161 2163 2165 2171 2173 2175 2182 2187 2199 2212 2219 2221 2225 2233 2235 2239 2242 2244 2248 2254 2257 2274 2275 2288 2297 2310 2316 2325 2327 2331 2334 2340 2343 2345 2347 2354 2356 2361 2372 2388 2391 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 2661 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 3010 3014 3023 3025 3027 3031 3033 3052 3060 3063 3066 3071 3074 3076 3079 3080 3087 3097 3099 3107 3115 3131 3132 3141 3147 3148 3153 3157 3170 3178 3185 3187 3189 3197 3205 3206 3208 3213 3215 3221 3234 3239 3257 3268 3272 3273 3293 3295 3303 3310 3328 3337 3341 3343 3362 3365 3366 3368 3373 3383 3389 3392 3398 3410 3412 3420 3422 3423 3431 3435 3439 3440 3446 3455 3456 3461 3464 3470 3473 3478 3481 3482 3484 3485 3490 3494 3502 3503 3506 3511 3515 3516 3519 3526 3528 3532 3545 3553 3558 3559 3563 3567 3574 3579 3596 3598 3599 3601 3603 3605 3609 3611 3613 3627 3631 3640 3643 3644 3650 3652 3654 3666 3677 3692 3693 3695 3696 3698 3699 3706 3709 3711 3713 3714 3716 3718 3719 3731 3732 3739 3745 3753 3756 3758 3762 3767 3773 3775 3778 3780 3785 3786 3789 3791 3793 3797 3809 3815 3823 3829 3831 3835 3846 3848 3850 3852 3855 3866 3868 3870 3880 3885 3887 3889 3896 3898 3902 3904 3906 3907 3910 3921 3923 3929 3931 3933 3935 3937 3941 3949 3954 3956 3959 3965 3971 3976 3978 3990 3999 4003 4010 4015 4017 4027 4028 4030 4032 4037 4043 4049 4055 4057 4059 4065 4066 4072 4075 4077 4081 4083 4090 4092 4094 4104 4108 4110 4111 4115 4119 4122 4124 4130 4133 4135 4137 4139 4140 4143 4144 4146 4150 4152 4158 4159 4160 4165 4172 4176	001

MSN	CONFIGURATION
0364 0385 0498 0509 0521 0529 0544 0591 0597 0604 0614 0674 0675 0680 0684 0687 0715 0725 0761 0781 0802 0808 0811 0823 0941 0956 0961 0963 1006 1008 1017 1021 1027 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 1554 1572 1596 1607 1614 1651 1666 1681 1701 1704 1716 1724 1776 1788 1836 1905 1928 1966 1974 1978 1988 1995 2067 2080 2107 2115 2208 2220 2255 2261 2267 2270 2303 2309 2315 2330 2337 2342 2357 2381 2472 2480 2488 2521 2530 2543 2549 2563 2599 2713 2730 2741 2759 2767 2793 2809 2823 2868 2882 2895 2903 2912 2936 2957 2965 2971 2974 2999 3005 3013 3015 3022 3067 3075 3112 3126 3130 3146 3191 3198 3207 3212 3217 3233 3241 3247 3249 3251 3262 3267 3274 3283 3315 3326 3334 3340 3350 3355 3367 3369 3397 3405 3429 3458 3459 3462 3471 3493 3498 3507 3522 3525 3527 3539 3552 3557 3566 3573 3587 3593 3600 3612 3619 3636 3639 3645 3669 3681 3682 3737 3752 3764 3784 3792 3820 3847 3862 3867 3878 3920 3934 3938 3951 3955 3964 3966 3981 4002 4009 4044 4058 4067 4074 4078 4096 4099 4103 4116 4136 4138 4148 4155 4173	002

MSN	CONFIGURATION
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 1090 1091 1095 1097 1107 1109 1122 1126 1129 1131 1135 1136 1147 1149 1154 1155 1164 1167 1170 1180 1182 1184 1191 1203 1205 1209 1230 1245 1247 1249 1254 1263 1265 1269 1275 1277 1285 1287 1289 1297 1301 1303 1309 1311 1313 1315 1317 1319 1324 1325 1326 1328 1331 1340 1342 1346 1348 1352 1354 1358 1360 1362 1364 1369 1371 1377 1378 1382 1386 1389 1391 1392 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 1684 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 2012 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 2264 2266 2268 2273 2281 2287 2308 2311 2318 2326 2355 2365 2369 2371 2373 2375 2379 2392 2400 2406 2408 2418 2426 2435 2438 2448 2464 2465 2469 2474 2483 2497 2501 2505 2518 2519 2541 2546 2554 2555 2558 2574 2579 2593 2607 2618 2624 2628 2629 2631 2632 2641 2648 2655 2660 2662 2667 2672 2684 2693 2700 2751 2757 2762 2763 2773 2774 2806 2811 2815 2825 2836 2841 2857 2878 2879 2901 2905 2907 2913 2925 2935 2938 2940 2948 2954 2961 2969 2997 3020 3024 3028 3032 3043 3094 3108 3142 3144 3168 3186 3258 3269 3271 3281 3288 3298 3300 3305 3311 3336 3342 3344 3406 3421 3424 3428 3436 3452 3454 3551 3614 3620 3660 3685 3687 3694 3759 3794 3803 3822 3828 3832 3836 3838 3860 3874 3876 3890 3892 3901 3903 3911 3918 3942 3970 3983 3998 4020 4029 4036 4038 4052 4071 4089 4121 4164	003
1660 1939 1991 2017 2051 2218 2276 3038 3110 3163	004

(5) Configuration definition

**CONF 001

Config. 001 is valid for all the A320 aircraft given in the effectivity of this Service Bulletin as a standard configuration.

**CONF 002

Config. 002 is valid for all the A321 aircraft given in the effectivity of this Service Bulletin as a standard configuration.

**CONF 003

Config. 003 is valid for all the A319 aircraft given in the effectivity of this Service Bulletin as a standard configuration.

****CONF 004**

Config. 004 is valid for all the A318 aircraft given in the effectivity of this Service Bulletin as a standard configuration.

(6) Material Effectivity

MATERIAL	QTY PER A/C	SEE NOTES
Kit 211191D01R00	1	
Consumable CMLD01	1	

B. CONCURRENT REQUIREMENTS

None

C. REASON**(1) History**

Operators have found that the Cargo Heat Pressure Regulating Valve, FIN 11HC, is susceptible to contamination and corrosion due to the current installed location. In the current position, investigation have found that the primary cause of the corrosion and contamination is the ingress, due to gravity, of water and sediment particles at the valve body.

(2) Objective/Action

This Service Bulletin details the procedure to rotate the Cargo Heat Pressure Regulating Valve, FIN 11HC, by 107 degree. Subsequently the wire harness routing and bonding strap location will be modified.

(3) Advantages

The accomplishment of this Service Bulletin will prevent ingress at the valve body of particle sediments and water thus limiting early contamination and corrosion.

(4) Operational/Maintenance Consequences

None

D. DESCRIPTION

To accomplish this Service Bulletin it is necessary to :

****CONF 001**

Task 211191-831-848-001: Modification

(1) Modify the installed position of the Cargo Heat Pressure Regulating Valve, FIN 11HC, located between FR48 and FR49, LH.

(2) Modify the routing for wire harness, 609VB/1M, at the Cargo Heat Pressure Regulating Valve, FIN 11HC, located between FR48 and FR49, LH.

****CONF 002**

Task 211191-831-848-001: Modification

- (1) Modify the installed position of the Cargo Heat Pressure Regulating Valve, FIN 11HC, located between FR47.1 and FR47.2, LH.
- (2) Modify the routing for wire harness, 609VB/1M, at the Cargo Heat Pressure Regulating Valve, FIN 11HC, located between FR47.1 and FR47.2, LH.

****CONF 003**

Task 211191-831-848-001: Modification

- (1) Modify the installed position of the Cargo Heat Pressure Regulating Valve, FIN 11HC, located between FR52 and FR53, LH.
- (2) Modify the routing for wire harness, 609VB/1M, at the Cargo Heat Pressure Regulating Valve, FIN 11HC, located between FR52 and FR53, LH.

****CONF 004**

Task 211191-831-848-001: Modification

- (1) Modify the installed position of the Cargo Heat Pressure Regulating Valve, FIN 11HC, located between FR55 and FR56, LH.
- (2) Modify the routing for wire harness, 609VB/1M, at the Cargo Heat Pressure Regulating Valve, FIN 11HC, located between FR55 and FR56, LH.

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

- (1) Classification

RECOMMENDED

- (2) Accomplishment Timescale

Accomplishment of this Service Bulletin is recommended at the earliest opportunity where manpower and facilities are available.

F. APPROVAL

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

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

G. MANPOWER

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

****CONF 001**

Task 211191-831-848-001: Modification	
Get Access	0.75
On Aircraft	
Modify the installed position of the Cargo Heat Pressure Regulating Valve, FIN 11HC, located between FR48 and FR49, LH.	0.50
Modify the routing for wire harness, 609VB/1M, at the Cargo Heat Pressure Regulating Valve, FIN 11HC, located between FR48 and FR49, LH.	0.75
Tests	1.00
Close-Up	0.50
TOTAL MANHOURS	3.50
ELAPSED TIME (HOURS)	3.50

****CONF 002**

Task 211191-831-848-001: Modification	
Get Access	0.75
On Aircraft	
Modify the installed position of the Cargo Heat Pressure Regulating Valve, FIN 11HC, located between FR47.1 and FR47.2, LH.	0.50
Modify the routing for wire harness, 609VB/1M, at the Cargo Heat Pressure Regulating Valve, FIN 11HC, located between FR47.1 and FR47.2, LH.	0.75
Tests	1.00
Close-Up	0.50
TOTAL MANHOURS	3.50
ELAPSED TIME (HOURS)	3.50

****CONF 003**

Task 211191-831-848-001: Modification	
Get Access	0.75
On Aircraft	
Modify the installed position of the Cargo Heat Pressure Regulating Valve, FIN 11HC, located between FR52 and FR53, LH.	0.50

Task 211191-831-848-001: Modification	
Modify the routing for wire harness, 609VB/1M, at the Cargo Heat Pressure Regulating Valve, FIN 11HC, located between FR52 and FR53, LH.	0.75
Tests	1.00
Close-Up	0.50
TOTAL MANHOURS	3.50
ELAPSED TIME (HOURS)	3.50

****CONF 004**

Task 211191-831-848-001: Modification	
Get Access	0.75
On Aircraft	
Modify the installed position of the Cargo Heat Pressure Regulating Valve, FIN 11HC, located between FR55 and FR56, LH.	0.50
Modify the routing for wire harness, 609VB/1M, at the Cargo Heat Pressure Regulating Valve, FIN 11HC, located between FR55 and FR56, LH.	0.75
Tests	1.00
Close-Up	0.50
TOTAL MANHOURS	3.50
ELAPSED TIME (HOURS)	3.50

****CONF ALL**

H. WEIGHT AND BALANCE

Not Changed

I. ELECTRICAL LOAD DATA

Not Changed

J. REFERENCES

****CONF 001**

Aircraft Maintenance Manual (AMM)	06-20-00	06-31-53	06-40-00
	12-33-21	12-34-24	20-16-00
	20-21-11	20-21-15	20-28-00
	21-20-00	21-43-00	21-43-52
	24-41-00	53-35-13	
Consumable Material List (CML)			
Elec. Std. Practices Manual (ESPM)	20-25-51	20-33-00	20-33-44
	20-51-20	20-52-21	20-55-00
Standards Manual (SM)			
Structural Repair Manual (SRM)	51-24-00	51-42-00	51-43-00
	51-44-00	51-75-12	

****CONF 002**

Aircraft Maintenance Manual (AMM)	06-20-00	06-31-53	06-40-00
	12-33-21	12-34-24	20-16-00
	20-21-11	20-21-15	20-28-00
	21-20-00	21-43-00	21-43-52
	24-41-00	53-35-13	
Consumable Material List (CML)			
Elec. Std. Practices Manual (ESPM)	20-25-51	20-33-00	20-33-44
	20-51-20	20-52-21	20-55-00
Standards Manual (SM)			
Structural Repair Manual (SRM)	51-24-00	51-42-00	51-43-00
	51-44-00	51-75-12	

****CONF 003**

Aircraft Maintenance Manual (AMM)	06-20-00	06-31-53	06-40-00
	12-33-21	12-34-24	20-16-00
	20-21-11	20-21-15	20-28-00
	21-20-00	21-43-00	21-43-52
	24-41-00	53-35-13	
Consumable Material List (CML)			
Elec. Std. Practices Manual (ESPM)	20-25-51	20-33-00	20-33-44
	20-51-20	20-52-21	20-55-00
Standards Manual (SM)			
Structural Repair Manual (SRM)	51-24-00	51-42-00	51-43-00
	51-44-00	51-75-12	

****CONF 004**

Aircraft Maintenance Manual (AMM)	06-20-00	06-31-53	06-40-00
	12-33-21	12-34-24	20-16-00
	20-21-11	20-21-15	20-28-00
	21-20-00	21-43-00	21-43-52
	24-41-00	53-35-13	
Consumable Material List (CML)			
Elec. Std. Practices Manual (ESPM)	20-25-51	20-33-00	20-33-44
	20-51-20	20-52-21	20-55-00
Standards Manual (SM)			
Structural Repair Manual (SRM)	51-24-00	51-42-00	51-43-00
	51-44-00	51-75-12	

****CONF ALL**

K. PUBLICATION AFFECTED

Aircraft Maintenance Manual (AMM)	21-43-00	21-43-52
Illustrated Parts Catalog (IPC)	21-43-04	

L. INTERCHANGEABILITY/MIXABILITY

Not Applicable

M. SPARES

None

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

(1) Procurement Addresses

Kit 211191D01R00	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 Material, Logistics and Suppliers Weg beim Jaeger 150 D-22335 Hamburg Germany For ordering by internet : http://spares.airbus.com For SB Kits by fax : +49 40 50 76 25 90 For Spares by fax : +49 40 50 76 40 12
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(2) Price and Availability

Kit 211191D01R00	
Cost	55.00 USD
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 Kits 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 not provide industry support for accomplishment of this Service Bulletin.

C. LIST OF COMPONENTS

Kit 211191D01R00

ITEM	NEW PART N°	QTY (UM)	KEYWORD	ITEM	OLD PART N°	INT	SEE NOTES
1	E0088-10-100NN	1	LEAD				
6	NAS1801-08-19	1	SCREW				
7	NAS1149DN816K	1	WASHER				
8	NSA935808-01	1	WASHER				
9	MS21059L08	1	NUT				
10	NSA5527-03-01	1	SPACER				
11	NSA935807-06	1	CLAMP				

ITEM	NEW PART N°	QTY (UM)	KEYWORD	ITEM	OLD PART N°	INT	SEE NOTES
12	NSA935401-04	5	TIE				
16	EN6101D3-03	2	RIVET				

NOTE: 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, refer to Standards Manual (SM). The SM will give you the correct part number to part number relationship.

D. LIST OF MATERIALS - OPERATOR SUPPLIED

(1) Consumable Materials

Consumable CMLD01

ITEM	DESCRIPTION	REFERENCE TO CML MAT. No.	QTY PER A/C	SEE NOTES
	Putty, Zinc Chromate, General Purpose	05-002	As required	
	Abrasion Resistant Coating (Teflon Polyuret)	07-003	As required	
	Corrosion Inhibiting Brush Consistency	09-013	As required	
	Solvent General Purpose	11-026	As required	
	Anti-Corrosion Primer (Epoxy-Improved Adhesion)	16-006	As required	
	Wash Primer	16-020	As required	
	Lint-Free Cotton Cloth	19-003	As required	

(2) Components

None

(3) Equipment

None

E. PARTS TO BE RE-IDENTIFIED BY OPERATOR

None

F. TOOLING

None

3. ACCOMPLISHMENT INSTRUCTIONS

Task 211191-831-848-001 - Modification

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

WARNING: MAKE SURE THAT AIR IS NOT SUPPLIED TO THE AIR CONDITIONING SYSTEM FROM THE MAIN ENGINE, THE APU OR A GROUND SOURCE. HOT COMPRESSED AIR CAN CAUSE INJURY TO PERSONNEL.

WARNING: USE SOLVENTS/CLEANING AGENTS, SEALANTS AND OTHER SPECIAL MATERIALS ONLY WITH A GOOD SUPPLY OF AIR.

OBEY THE MANUFACTURERS INSTRUCTIONS.

PUT ON PROTECTIVE CLOTHING.

DO NOT GET THEM IN YOUR MOUTH.

DO NOT SMOKE.

DO NOT BREATHE THE GAS.

THESE MATERIALS ARE POISONOUS, FLAMMABLE AND SKIN IRRITANT.

GET MEDICAL HELP IF YOUR SKIN OR EYES BECOME IRRITATED.

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

WHEN YOU DO MAINTENANCE WORK, REPAIRS OR MODIFICATIONS, ALWAYS KEEP ELECTRICAL WIRING, COMPONENTS AND THE WORK AREA AS CLEAN AS POSSIBLE. TO DO THIS :

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

THESE PRECAUTIONS WILL DECREASE THE RISK OF CONTAMINATION AND DAMAGE TO THE ELECTRICAL WIRING INSTALLATION. IF THERE IS CONTAMINATION, REFER TO ESPM 20-55-00.

Task Associated Data

****CONF 001**

Zone
190

Access	
Panel	197BB
Manpower	
TOTAL MANHOURS	3.50
ELAPSED TIME (HOURS)	3.50

****CONF 002**

Zone	
190	
Access	
Panel	197KB
Manpower	
TOTAL MANHOURS	3.50
ELAPSED TIME (HOURS)	3.50

****CONF 003**

Zone	
190	
Access	
Panel	197BB
Manpower	
TOTAL MANHOURS	3.50
ELAPSED TIME (HOURS)	3.50

****CONF 004**

Zone	
190	
Access	
Panel	197BB
Manpower	
TOTAL MANHOURS	3.50
ELAPSED TIME (HOURS)	3.50

****CONF ALL****A. GENERAL******CONF 001****(1) Subtask 211191-910-201-001 - Standard Practices**

Manpower Resources	
Skills	NON SPECIFIC

SERVICE BULLETIN

Material necessary to do the job

Consumable CMLD01				
ITEM	DESCRIPTION	REFERENCE TO CML MAT. No.	QTY PER A/C	SEE NOTES
	Putty, Zinc Chromate, General Purpose	05-002	As required	
	Abrasion Resistant Coating (Teflon Polyuret)	07-003	As required	
	Corrosion Inhibiting Brush Consistency	09-013	As required	
	Solvent General Purpose	11-026	As required	
	Anti-Corrosion Primer (Epoxy-Improved Adhesion)	16-006	As required	
	Wash Primer	16-020	As required	
	Lint-Free Cotton Cloth	19-003	As required	

References	
Aircraft Maintenance Manual (AMM)	06-20-00, Page Block 001 06-31-53, Page Block 001 06-40-00, Page Block 001 Task 20-16-00-912-001 Task 20-21-11-911-001 Task 20-21-11-911-001 Task 20-21-15-912-801 20-28-00, Page Block 201 Task 21-20-00-010-001 Task 21-20-00-410-001
Consumable Material List (CML)	
Elec. Std. Practices Manual (ESPM)	20-25-51 20-33-00 20-33-44 20-51-20 20-52-21
Structural Repair Manual (SRM)	51-24-00 51-42-00 51-43-00 51-44-00 51-75-12

- (a) Refer to Consumable Materials List (CML) for the specification of materials (Mat. No.) you must use in this Service Bulletin.
- (b) For the Frame (FR) identification (Refer to AMM 06-31-53, Page Block 001).
- (c) For the identification of Zones (Refer to AMM 06-20-00, Page Block 001).
- (d) For the identification of access panels (Refer to AMM 06-40-00, Page Block 001).
- (e) For circuit breaker safety practices (Refer to AMM Task 20-16-00-912-001).

- (f) Tag the parts that you must remove and retain to make the subsequent installation easier.
- (g) Put all the retained hardware in identified plastic bags and attach the bags to the related unit.
- (h) To torque tighten the standard threaded fasteners (Refer to AMM Task 20-21-11-911-001).
- (i) Wet assemble standard threaded fasteners with :
- | | | |
|---------------------------|--------|-------------|
| Putty, Zinc | 05-002 | As required |
| Chromate, General Purpose | | |
- (j) To tighten the electrical component fasteners (Refer to AMM Task 20-21-15-912-801).
- (k) For the general removal of air conditioning distribution ducts (Refer to AMM Task 21-20-00-010-001).
- (l) For the general installation of air conditioning distribution ducts (Refer to AMM Task 21-20-00-410-001).
- (m) Clean the work area(s) with :
- | | | |
|-------------------------|--------|-------------|
| Solvent General Purpose | 11-026 | As required |
| Lint-Free Cotton Cloth | 19-003 | As required |
- (n) Apply :
- | | | |
|--|--------|-------------|
| Corrosion Inhibiting Brush Consistency | 09-013 | As required |
| and | | |
| Abrasion Resistant Coating (Teflon Polyuret) | 07-003 | As required |
- to interfaces of structure and new parts.
- (o) Use a non-metallic spatula to remove the sealant and clean the areas with :
- | | | |
|-------------------------|--------|-------------|
| Solvent General Purpose | 11-026 | As required |
|-------------------------|--------|-------------|
- (p) Renew the protective finish (Refer to SRM 51-75-12).
- (q) For fastener hole diameters and drill and de-burr data (Refer to SRM 51-44-00).

(r) Do the electrical bonding (Refer to ESPM 20-51-20 and AMM 20-28-00, Page Block 201).

(s) For the drilling of rivet holes :

- 1 Use a soft lead pencil and make marks to show the position of the rivet hole.
- 2 Make sure that you have the correct edge clearance before you drill the fastener hole(s).
- 3 If not shown otherwise the tolerance for the rivet holes is +0.1 mm (+0.004 in).
- 4 Transfer drill the existing hole(s) with a pilot drill and drill bush.
- 5 De-burr the holes after you have drilled them.
- 6 Cut the rivets to the correct length, as necessary.
- 7 When you remove the fasteners you must be careful that you do not damage the holes in the structure.
- 8 Drill new fastener holes with a pilot drill of 2.5 mm (0.098 in) diameter. Increase the hole diameter to the correct size for the fastener which you must install.

9 Apply, to the new drilled holes :

Wash Primer	16-020	As required
Anti-Corrosion Primer (Epoxy- Improved Adhesion)	16-006	As required

(t) Before riveting, apply to all contact surfaces and components (Refer to SRM 51-24-00) :

Corrosion Inhibiting Brush Consistency	09-013	As required
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(u) After riveting, remove unwanted sealant from the work area and apply to the rivets :

Anti-Corrosion Primer (Epoxy- Improved Adhesion)	16-006	As required
Abrasion Resistant Coating (Teflon Polyuret)	07-003	As required

(v) For alternative and substitute fasteners (Refer to SRM 51-43-00).

SERVICE BULLETIN

- (w) Obey the instructions for the general installation of electrical wire harnesses (Refer to ESPM 20-33-00).
- (x) Put blanking caps on the disconnected electrical connectors and line ends.
- (y) For cable tie application and tooling (Refer to ESPM 20-33-44) and (Refer to ESPM 20-25-51).

(2) Subtask 211191-839-201-001 - Documentation

Manpower Resources	
Skills	NON SPECIFIC

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

****CONF 002****(1) Subtask 211191-910-201-001 - Standard Practices**

Manpower Resources	
Skills	NON SPECIFIC

Material necessary to do the job

Consumable CMLD01				
ITEM	DESCRIPTION	REFERENCE TO CML MAT. No.	QTY PER A/C	SEE NOTES
	Putty, Zinc Chromate, General Purpose	05-002	As required	
	Abrasion Resistant Coating (Teflon Polyuret)	07-003	As required	
	Corrosion Inhibiting Brush Consistency	09-013	As required	
	Solvent General Purpose	11-026	As required	
	Anti-Corrosion Primer (Epoxy-Improved Adhesion)	16-006	As required	
	Wash Primer	16-020	As required	
	Lint-Free Cotton Cloth	19-003	As required	

References	
Aircraft Maintenance Manual (AMM)	06-20-00, Page Block 001 06-31-53, Page Block 001 06-40-00, Page Block 001 Task 20-16-00-912-001 Task 20-21-11-911-001 Task 20-21-11-911-001 Task 20-21-15-912-801 20-28-00, Page Block 201 Task 21-20-00-010-001 Task 21-20-00-410-001
Consumable Material List (CML)	
Elec. Std. Practices Manual (ESPM)	20-25-51 20-33-00 20-33-44 20-51-20 20-52-21
Structural Repair Manual (SRM)	51-24-00 51-42-00 51-43-00 51-44-00 51-75-12

- (a) Refer to Consumable Materials List (CML) for the specification of materials (Mat. No.) you must use in this Service Bulletin.
- (b) For the Frame (FR) identification (Refer to AMM 06-31-53, Page Block 001).
- (c) For the identification of Zones (Refer to AMM 06-20-00, Page Block 001).
- (d) For the identification of access panels (Refer to AMM 06-40-00, Page Block 001).
- (e) For circuit breaker safety practices (Refer to AMM Task 20-16-00-912-001).
- (f) Tag the parts that you must remove and retain to make the subsequent installation easier.
- (g) Put all the retained hardware in identified plastic bags and attach the bags to the related unit.
- (h) To torque tighten the standard threaded fasteners (Refer to AMM Task 20-21-11-911-001).
- (i) Wet assemble standard threaded fasteners with :

Putty, Zinc	05-002	As required
Chromate, General		
Purpose		
- (j) To tighten the electrical component fasteners (Refer to AMM Task 20-21-15-912-801).

(k) For the general removal of air conditioning distribution ducts (Refer to AMM Task 21-20-00-010-001).

(l) For the general installation of air conditioning distribution ducts (Refer to AMM Task 21-20-00-410-001).

(m) Clean the work area(s) with :

Solvent General Purpose	11-026	As required
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Lint-Free Cotton Cloth	19-003	As required
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(n) Apply :

Corrosion Inhibiting Brush Consistency	09-013	As required
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and

Abrasion Resistant Coating (Teflon Polyuret)	07-003	As required
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to interfaces of structure and new parts.

(o) Use a non-metallic spatula to remove the sealant and clean the areas with :

Solvent General Purpose	11-026	As required
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(p) Renew the protective finish (Refer to SRM 51-75-12).

(q) For fastener hole diameters and drill and de-burr data (Refer to SRM 51-44-00).

(r) Do the electrical bonding (Refer to ESPM 20-51-20 and AMM 20-28-00, Page Block 201).

(s) For the drilling of rivet holes :

- 1 Use a soft lead pencil and make marks to show the position of the rivet hole.
- 2 Make sure that you have the correct edge clearance before you drill the fastener hole(s).
- 3 If not shown otherwise the tolerance for the rivet holes is +0.1 mm (+0. 004 in).
- 4 Transfer drill the existing hole(s) with a pilot drill and drill bush.
- 5 De-burr the holes after you have drilled them.
- 6 Cut the rivets to the correct length, as necessary.

7 When you remove the fasteners you must be careful that you do not damage the holes in the structure.

8 Drill new fastener holes with a pilot drill of 2.5 mm (0.098 in) diameter. Increase the hole diameter to the correct size for the fastener which you must install.

9 Apply, to the new drilled holes :

Wash Primer	16-020	As required
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Anti-Corrosion Primer (Epoxy- Improved Adhesion)	16-006	As required
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(t) Before riveting, apply to all contact surfaces and components (Refer to SRM 51-24-00) :

Corrosion Inhibiting Brush Consistency	09-013	As required
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(u) After riveting, remove unwanted sealant from the work area and apply to the rivets :

Anti-Corrosion Primer (Epoxy- Improved Adhesion)	16-006	As required
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Abrasion Resistant Coating (Teflon Polyuret)	07-003	As required
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(v) For alternative and substitute fasteners (Refer to SRM 51-43-00).

(w) Obey the instructions for the general installation of electrical wire harnesses (Refer to ESPM 20-33-00).

(x) Put blanking caps on the disconnected electrical connectors and line ends.

(y) For cable tie application and tooling (Refer to ESPM 20-33-44) and (Refer to ESPM 20-25-51).

(2) Subtask 211191-839-201-001 - Documentation

Manpower Resources	
Skills	NON SPECIFIC

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

****CONF 003**

(1) Subtask 211191-910-201-001 - Standard Practices

Manpower Resources	
Skills	NON SPECIFIC

Material necessary to do the job

Consumable CMLD01				
ITEM	DESCRIPTION	REFERENCE TO CML MAT. No.	QTY PER A/C	SEE NOTES
	Putty, Zinc Chromate, General Purpose	05-002	As required	
	Abrasion Resistant Coating (Teflon Polyuret)	07-003	As required	
	Corrosion Inhibiting Brush Consistency	09-013	As required	
	Solvent General Purpose	11-026	As required	
	Anti-Corrosion Primer (Epoxy-Improved Adhesion)	16-006	As required	
	Wash Primer	16-020	As required	
	Lint-Free Cotton Cloth	19-003	As required	

References	
Aircraft Maintenance Manual (AMM)	06-20-00, Page Block 001 06-31-53, Page Block 001 06-40-00, Page Block 001 Task 20-16-00-912-001 Task 20-21-11-911-001 Task 20-21-11-911-001 Task 20-21-15-912-801 20-28-00, Page Block 201 Task 21-20-00-010-001 Task 21-20-00-410-001
Consumable Material List (CML)	
Elec. Std. Practices Manual (ESPM)	20-25-51 20-33-00 20-33-44 20-51-20 20-52-21
Structural Repair Manual (SRM)	51-24-00 51-42-00 51-43-00 51-44-00 51-75-12

- (a) Refer to Consumable Materials List (CML) for the specification of materials (Mat. No.) you must use in this Service Bulletin.

- (b) For the Frame (FR) identification (Refer to AMM 06-31-53, Page Block 001).
- (c) For the identification of Zones (Refer to AMM 06-20-00, Page Block 001).
- (d) For the identification of access panels (Refer to AMM 06-40-00, Page Block 001).
- (e) For circuit breaker safety practices (Refer to AMM Task 20-16-00-912-001).
- (f) Tag the parts that you must remove and retain to make the subsequent installation easier.
- (g) Put all the retained hardware in identified plastic bags and attach the bags to the related unit.
- (h) To torque tighten the standard threaded fasteners (Refer to AMM Task 20-21-11-911-001).
- (i) Wet assemble standard threaded fasteners with :
- | | | |
|---------------------------|--------|-------------|
| Putty, Zinc | 05-002 | As required |
| Chromate, General Purpose | | |
- (j) To tighten the electrical component fasteners (Refer to AMM Task 20-21-15-912-801).
- (k) For the general removal of air conditioning distribution ducts (Refer to AMM Task 21-20-00-010-001).
- (l) For the general installation of air conditioning distribution ducts (Refer to AMM Task 21-20-00-410-001).
- (m) Clean the work area(s) with :
- | | | |
|-------------------------|--------|-------------|
| Solvent General Purpose | 11-026 | As required |
| Lint-Free Cotton Cloth | 19-003 | As required |
- (n) Apply :
- | | | |
|--|--------|-------------|
| Corrosion Inhibiting Brush Consistency | 09-013 | As required |
| and | | |
| Abrasion Resistant Coating (Teflon Polyuret) | 07-003 | As required |
- to interfaces of structure and new parts.

- (o) Use a non-metallic spatula to remove the sealant and clean the areas with :

Solvent General	11-026	As required
Purpose		

- (p) Renew the protective finish (Refer to SRM 51-75-12).

- (q) For fastener hole diameters and drill and de-burr data (Refer to SRM 51-44-00).

- (r) Do the electrical bonding (Refer to ESPM 20-51-20 and AMM 20-28-00, Page Block 201).

- (s) For the drilling of rivet holes :

- 1 Use a soft lead pencil and make marks to show the position of the rivet hole.
- 2 Make sure that you have the correct edge clearance before you drill the fastener hole(s).
- 3 If not shown otherwise the tolerance for the rivet holes is +0.1 mm (+0.004 in).
- 4 Transfer drill the existing hole(s) with a pilot drill and drill bush.
- 5 De-burr the holes after you have drilled them.
- 6 Cut the rivets to the correct length, as necessary.
- 7 When you remove the fasteners you must be careful that you do not damage the holes in the structure.
- 8 Drill new fastener holes with a pilot drill of 2.5 mm (0.098 in) diameter. Increase the hole diameter to the correct size for the fastener which you must install.
- 9 Apply, to the new drilled holes :

Wash Primer	16-020	As required
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Anti-Corrosion Primer (Epoxy- Improved Adhesion)	16-006	As required
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- (t) Before riveting, apply to all contact surfaces and components (Refer to SRM 51-24-00) :

Corrosion Inhibiting Brush Consistency	09-013	As required
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SERVICE BULLETIN

- (u) After riveting, remove unwanted sealant from the work area and apply to the rivets :

Anti-Corrosion 16-006 As required
Primer (Epoxy-
Improved Adhesion)

Abrasion Resistant 07-003 As required
Coating (Teflon
Polyuret)

- (v) For alternative and substitute fasteners (Refer to SRM 51-43-00).
- (w) Obey the instructions for the general installation of electrical wire harnesses (Refer to ESPM 20-33-00).
- (x) Put blanking caps on the disconnected electrical connectors and line ends.
- (y) For cable tie application and tooling (Refer to ESPM 20-33-44) and (Refer to ESPM 20-25-51).

(2) Subtask 211191-839-201-001 - Documentation

Manpower Resources	
Skills	NON SPECIFIC

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

****CONF 004****(1) Subtask 211191-910-201-001 - Standard Practices**

Manpower Resources	
Skills	NON SPECIFIC

Material necessary to do the job

Consumable CMLD01				
ITEM	DESCRIPTION	REFERENCE TO CML MAT. No.	QTY PER A/C	SEE NOTES
	Putty, Zinc Chromate, General Purpose	05-002	As required	
	Abrasion Resistant Coating (Teflon Polyuret)	07-003	As required	
	Corrosion Inhibiting Brush Consistency	09-013	As required	
	Solvent General Purpose	11-026	As required	
	Anti-Corrosion Primer (Epoxy-Improved Adhesion)	16-006	As required	
	Wash Primer	16-020	As required	
	Lint-Free Cotton Cloth	19-003	As required	

References	
Aircraft Maintenance Manual (AMM)	06-20-00, Page Block 001 06-31-53, Page Block 001 06-40-00, Page Block 001 Task 20-16-00-912-001 Task 20-21-11-911-001 Task 20-21-11-911-001 Task 20-21-15-912-801 20-28-00, Page Block 201 Task 21-20-00-010-001 Task 21-20-00-410-001
Consumable Material List (CML)	
Elec. Std. Practices Manual (ESPM)	20-25-51 20-33-00 20-33-44 20-51-20 20-52-21
Structural Repair Manual (SRM)	51-24-00 51-42-00 51-43-00 51-44-00 51-75-12

- (a) Refer to Consumable Materials List (CML) for the specification of materials (Mat. No.) you must use in this Service Bulletin.
- (b) For the Frame (FR) identification (Refer to AMM 06-31-53, Page Block 001).
- (c) For the identification of Zones (Refer to AMM 06-20-00, Page Block 001).
- (d) For the identification of access panels (Refer to AMM 06-40-00, Page Block 001).
- (e) For circuit breaker safety practices (Refer to AMM Task 20-16-00-912-001).
- (f) Tag the parts that you must remove and retain to make the subsequent installation easier.
- (g) Put all the retained hardware in identified plastic bags and attach the bags to the related unit.
- (h) To torque tighten the standard threaded fasteners (Refer to AMM Task 20-21-11-911-001).
- (i) Wet assemble standard threaded fasteners with :

Putty, Zinc	05-002	As required
Chromate, General		
Purpose		
- (j) To tighten the electrical component fasteners (Refer to AMM Task 20-21-15-912-801).

(k) For the general removal of air conditioning distribution ducts (Refer to AMM Task 21-20-00-010-001).

(l) For the general installation of air conditioning distribution ducts (Refer to AMM Task 21-20-00-410-001).

(m) Clean the work area(s) with :

Solvent General Purpose	11-026	As required
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Lint-Free Cotton Cloth	19-003	As required
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(n) Apply :

Corrosion Inhibiting Brush Consistency	09-013	As required
--	--------	-------------

and

Abrasion Resistant Coating (Teflon Polyuret)	07-003	As required
--	--------	-------------

to interfaces of structure and new parts.

(o) Use a non-metallic spatula to remove the sealant and clean the areas with :

Solvent General Purpose	11-026	As required
-------------------------	--------	-------------

(p) Renew the protective finish (Refer to SRM 51-75-12).

(q) For fastener hole diameters and drill and de-burr data (Refer to SRM 51-44-00).

(r) Do the electrical bonding (Refer to ESPM 20-51-20 and AMM 20-28-00, Page Block 201).

(s) For the drilling of rivet holes :

- 1 Use a soft lead pencil and make marks to show the position of the rivet hole.
- 2 Make sure that you have the correct edge clearance before you drill the fastener hole(s).
- 3 If not shown otherwise the tolerance for the rivet holes is +0.1 mm (+0. 004 in).
- 4 Transfer drill the existing hole(s) with a pilot drill and drill bush.
- 5 De-burr the holes after you have drilled them.
- 6 Cut the rivets to the correct length, as necessary.

7 When you remove the fasteners you must be careful that you do not damage the holes in the structure.

8 Drill new fastener holes with a pilot drill of 2.5 mm (0.098 in) diameter. Increase the hole diameter to the correct size for the fastener which you must install.

9 Apply, to the new drilled holes :

Wash Primer	16-020	As required
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Anti-Corrosion Primer (Epoxy- Improved Adhesion)	16-006	As required
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(t) Before riveting, apply to all contact surfaces and components (Refer to SRM 51-24-00) :

Corrosion Inhibiting Brush Consistency	09-013	As required
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(u) After riveting, remove unwanted sealant from the work area and apply to the rivets :

Anti-Corrosion Primer (Epoxy- Improved Adhesion)	16-006	As required
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Abrasion Resistant Coating (Teflon Polyuret)	07-003	As required
--	--------	-------------

(v) For alternative and substitute fasteners (Refer to SRM 51-43-00).

(w) Obey the instructions for the general installation of electrical wire harnesses (Refer to ESPM 20-33-00).

(x) Put blanking caps on the disconnected electrical connectors and line ends.

(y) For cable tie application and tooling (Refer to ESPM 20-33-44) and (Refer to ESPM 20-25-51).

(2) Subtask 211191-839-201-001 - Documentation

Manpower Resources	
Skills	NON SPECIFIC

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

****CONF ALL****B. PREPARATION******CONF 001****(1) Subtask 211191-941-201-001 - Job Set-up**

Work Zones and Access Panels			
	Zone	Access/Work location	
	190	Access	Panel 197BB

Manpower Resources	
Skills	AIRFRAME

References	
Aircraft Maintenance Manual (AMM)	12-34-24, Page Block 201 Task 21-43-52-000-001 Task 24-41-00-861-002 Task 53-35-13-000-002

- (a) Make sure the aircraft is electrically grounded (Refer to AMM 12-34-24, Page Block 201).
- (b) Energize the aircraft electrical circuits (Refer to AMM Task 24-41-00-861-002).
- (c) Open, safety and tag the applicable circuit breakers (Refer to AMM Task 21-43-52-000-001).
- (d) On the panel 30VU, make sure that :
 - 1 The APU BLEED push-button switch is in the OFF position (the ON legend is OFF).
 - 2 The ENG 1 BLEED push-button switches are in the OFF position (the OFF legends are ON).
 - 3 Put a warning notice in position to tell persons not to operate these switches.
- (e) On the HP ground connector put a warning notice in position to tell persons not to supply the ground air.
- (f) Put the access platform in position at the access panel 197BB.
- (g) Remove the access panel 197BB (Refer to AMM Task 53-35-13-000-002).

****CONF 002****(1) Subtask 211191-941-201-002 - Job Set-up**

Work Zones and Access Panels			
	Zone	Access/Work location	
	190	Access	Panel 197KB

SERVICE BULLETIN

Manpower Resources	
Skills	AIRFRAME

References	
Aircraft Maintenance Manual (AMM)	12-34-24, Page Block 201 Task 21-43-52-000-001 Task 24-41-00-861-002 Task 53-35-13-000-002

- (a) Make sure the aircraft is electrically grounded (Refer to AMM 12-34-24, Page Block 201).
- (b) Energize the aircraft electrical circuits (Refer to AMM Task 24-41-00-861-002).
- (c) Open, safety and tag the applicable circuit breakers (Refer to AMM Task 21-43-52-000-001).
- (d) On the panel 30VU, make sure that :
 - 1 The APU BLEED push-button switch is in the OFF position (the ON legend is OFF).
 - 2 The ENG 1 BLEED push-button switches are in the OFF position (the OFF legends are ON).
 - 3 Put a warning notice in position to tell persons not to operate these switches.
- (e) On the HP ground connector put a warning notice in position to tell persons not to supply the ground air.
- (f) Put the access platform in position at the access panel 197KB.
- (g) Remove the access panel 197KB (Refer to AMM Task 53-35-13-000-002).

****CONF 003****(1) Subtask 211191-941-201-001 - Job Set-up**

Work Zones and Access Panels			
	Zone	Access/Work location	
	190	Access	Panel 197BB

Manpower Resources	
Skills	AIRFRAME

References	
Aircraft Maintenance Manual (AMM)	12-34-24, Page Block 201 Task 21-43-52-000-001 Task 24-41-00-861-002 Task 53-35-13-000-002

- (a) Make sure the aircraft is electrically grounded (Refer to AMM 12-34-24, Page Block 201).
- (b) Energize the aircraft electrical circuits (Refer to AMM Task 24-41-00-861-002).
- (c) Open, safety and tag the applicable circuit breakers (Refer to AMM Task 21-43-52-000-001).
- (d) On the panel 30VU, make sure that :
 - 1 The APU BLEED push-button switch is in the OFF position (the ON legend is OFF).
 - 2 The ENG 1 BLEED push-button switches are in the OFF position (the OFF legends are ON).
 - 3 Put a warning notice in position to tell persons not to operate these switches.
- (e) On the HP ground connector put a warning notice in position to tell persons not to supply the ground air.
- (f) Put the access platform in position at the access panel 197BB.
- (g) Remove the access panel 197BB (Refer to AMM Task 53-35-13-000-002).

****CONF 004****(1) Subtask 211191-941-201-001 - Job Set-up**

Work Zones and Access Panels			
	Zone	Access/Work location	
	190	Access	Panel 197BB

Manpower Resources	
Skills	AIRFRAME

References	
Aircraft Maintenance Manual (AMM)	12-34-24, Page Block 201 Task 21-43-52-000-001 Task 24-41-00-861-002 Task 53-35-13-000-002

- (a) Make sure the aircraft is electrically grounded (Refer to AMM 12-34-24, Page Block 201).
- (b) Energize the aircraft electrical circuits (Refer to AMM Task 24-41-00-861-002).
- (c) Open, safety and tag the applicable circuit breakers (Refer to AMM Task 21-43-52-000-001).

- (d) On the panel 30VU, make sure that :
- 1 The APU BLEED push-button switch is in the OFF position (the ON legend is OFF).
 - 2 The ENG 1 BLEED push-button switches are in the OFF position (the OFF legends are ON).
 - 3 Put a warning notice in position to tell persons not to operate these switches.
- (e) On the HP ground connector put a warning notice in position to tell persons not to supply the ground air.
- (f) Put the access platform in position at the access panel 197BB.
- (g) Remove the access panel 197BB (Refer to AMM Task 53-35-13-000-002).

****CONF ALL****C. PROCEDURE******CONF 001**

- (1) **Subtask 211191-831-201-001 - Modify the installed position of the Cargo Heat Pressure Regulating Valve, FIN 11HC, located between FR48 and FR49, LH.**

Work Zones and Access Panels			
	Zone	Access/Work location	
	190	Work location	from Frame 48 to Frame 49

Manpower Resources	
Manhours	0.50
Minimum number of person	1
Subtask elapsed time	0.50
Skills	AIRFRAME

Material necessary to do the job

Kit 211191D01R00				
ITEM	NEW PART N°	QTY (UM)	KEYWORD	SEE NOTES
1	E0088-10-100NN	1	LEAD	

References	
Aircraft Maintenance Manual (AMM)	Task 21-43-52-000-001 Task 21-43-52-400-001
Fig. A-GBAAA Modification of the Installed Position for the Cargo Heat Pressure Regulating Valve, FIN 11HC, between FR48 and FR49, LH.	Sheet 01 Sheet 02 Sheet 03 Sheet 04

SERVICE BULLETIN

- (a) Modify the installed position of the Cargo Heat Pressure Regulating Valve, FIN 11HC, located between FR48 and FR49, LH.

Refer to [Fig. A-GBAAA Sheet 01](#), [Fig. A-GBAAA Sheet 02](#), [Fig. A-GBAAA Sheet 03](#) and [Fig. A-GBAAA Sheet 04](#)

1 Disconnect the electrical connector of wire harness, 609VB/1M, at the Cargo Heat Pressure Regulating Valve, FIN 11HC (Refer to AMM Task 21-43-52-000-001).

2 Loosen the release clamps at the duct assemblies, connected to the Cargo Heat Pressure Regulating Valve, FIN 11HC, (Refer to AMM Task 21-43-52-000-001).

a Loosen :

2	Clamp	NSA8603-262	Item (2)	Retain
---	-------	-------------	----------	--------

3 Disconnect the sense line hose at the bulkhead connector and loosen the routing clamps (Refer to AMM Task 21-43-52-000-001).

a Disconnect :

1	Hose Assy	D2147102100000	Item (5)	Retain
---	-----------	----------------	----------	--------

b Loosen :

3	Clamp	MS21919WCJ9	Item (3)	Retain
---	-------	-------------	----------	--------

3	Clamp	MS21919WCJ5	Item (4)	Retain
---	-------	-------------	----------	--------

3	Screw	NAS1096-3-7	Item (13)	Retain
---	-------	-------------	-----------	--------

3	Washer	NAS1149C0363R	Item (14)	Retain
---	--------	---------------	-----------	--------

3	Nut	MS21042-3	Item (15)	Retain
---	-----	-----------	-----------	--------

4 Remove the bonding lead assembly and attaching parts.

a Remove :

1	Lead-Bonding	E0088-10-160NN	Item (1)	Discard
---	--------------	----------------	----------	---------

and

2	Screw	NAS1096-3-7	Item (13)	Retain
---	-------	-------------	-----------	--------

2	Washer	NAS1149C0363R	Item (14)	Retain
---	--------	---------------	-----------	--------

2	Nut	MS21042-3	Item (15)	Retain
---	-----	-----------	-----------	--------

5 Rotate the Cargo Heat Pressure Regulating Valve, FIN 11HC, Item (17), by 107 degree to the modified installation location.

SERVICE BULLETIN

- 6 Tighten and secure the release clamps in position at the duct assemblies, connected to the Cargo Heat Pressure Regulating Valve, FIN 11HC, (Refer to AMM Task 21-43-52-400-001).

a Tighten and secure :

2	Clamp	NSA8603-262	Item (2)	Retained at removal
---	-------	-------------	----------	---------------------

- 7 Adapt the sense line hose clamps to accommodate the revised routing, connect the sense line hose and secure the routing clamps (Refer to AMM Task 21-43-52-400-001).

a Connect :

1	Hose Assy	D2147102100000	Item (5)	Retained at removal
---	-----------	----------------	----------	---------------------

with :

3	Clamp	MS21919WCJ9	Item (3)	Retained at removal
---	-------	-------------	----------	---------------------

3	Clamp	MS21919WCJ5	Item (4)	Retained at removal
---	-------	-------------	----------	---------------------

3	Screw	NAS1096-3-7	Item (13)	Retained at removal
---	-------	-------------	-----------	---------------------

3	Washer	NAS1149C0363R	Item (14)	Retained at removal
---	--------	---------------	-----------	---------------------

3	Nut	MS21042-3	Item (15)	Retained at removal
---	-----	-----------	-----------	---------------------

- 8 Install the bonding lead assembly and attaching parts.

a Install :

1	Lead, Bonding	E0088-10-100NN	Item 1	
---	---------------	----------------	--------	--

with

2	Screw	NAS1096-3-7	Item (13)	Retained at removal
---	-------	-------------	-----------	---------------------

2	Washer	NAS1149C0363R	Item (14)	Retained at removal
---	--------	---------------	-----------	---------------------

2	Nut	MS21042-3	Item (15)	Retained at removal
---	-----	-----------	-----------	---------------------

- (2) **Subtask 211191-831-202-001 - Modify the routing for wire harness, 609VB/1M, at the Cargo Heat Pressure Regulating Valve, FIN 11HC, located between FR48 and FR49, LH.**

Work Zones and Access Panels			
	Zone	Access/Work location	
	190	Work location	from Frame 48 to Frame 49

Manpower Resources	
Manhours	0.75
Minimum number of person	1
Subtask elapsed time	0.75
Skills	NON SPECIFIC

Material necessary to do the job

Kit 211191D01R00				
ITEM	NEW PART N°	QTY (UM)	KEYWORD	SEE NOTES
6	NAS1801-08-19	1	SCREW	
7	NAS1149DN816K	1	WASHER	
8	NSA935808-01	1	WASHER	
9	MS21059L08	1	NUT	
10	NSA5527-03-01	1	SPACER	
11	NSA935807-06	1	CLAMP	
12	NSA935401-04	5	TIE	
16	EN6101D3-03	2	RIVET	

References	
Fig. A-GBBAA Modification of the Routing for Wire Harness , 609VB/1M, at the Cargo Heat Pressure Regulating Valve, FIN 11HC, between FR48 and FR49, LH.	Sheet 01 Sheet 02

- (a) Modify the routing for wire harness, 609VB/1M, at the Cargo Heat Pressure Regulating Valve, FIN 11HC, located between FR48 and FR49, LH.

Refer to [Fig. A-GBBAA Sheet 01](#) and [Fig. A-GBBAA Sheet 02](#)

1 Install the nut-plate on the bulkhead located between FR48 and FR49, LH.

a Drill the hole with 5.0mm (0.197in.).

b Install :

1 Nut MS21059L08 Item 9

with

2 Rivet EN6101D3-03 Item 16

SERVICE BULLETIN

- 2 Route, safety and secure the wire harness, 609VB/1M, to the Cargo Heat Pressure Regulating Valve, FIN 11HC, Item (17).

a Install :

1	Screw	NAS1801-08-19	Item 6
1	Washer	NAS1149DN816K	Item 7
1	Washer	NSA935808-01	Item 8
1	Spacer	NSA5527-03-01	Item 10
1	Clamp	NSA935807-06	Item 11
5	Tie	NSA935401-04	Item 12

- 3 Connect the electrical connector of wire harness, 609VB/1M to the Cargo Heat Pressure Regulating Valve, FIN 11HC, Item (17).

****CONF 002**

- (1) **Subtask 211191-831-201-002 - Modify the installed position of the Cargo Heat Pressure Regulating Valve, FIN 11HC, located between FR47.1 and FR47.2, LH.**

Work Zones and Access Panels			
	Zone	Access/Work location	
	190	Work location	from Frame 47.1 to Frame 47.2

Manpower Resources	
Manhours	0.50
Minimum number of person	1
Subtask elapsed time	0.50
Skills	AIRFRAME

Material necessary to do the job

Kit 211191D01R00				
ITEM	NEW PART N°	QTY (UM)	KEYWORD	SEE NOTES
1	E0088-10-100NN	1	LEAD	

References	
Aircraft Maintenance Manual (AMM)	Task 21-43-52-000-001 Task 21-43-52-400-001
Fig. A-GBAAB Modification of the Installed Position for the Cargo Heat Pressure Regulating Valve, FIN 11HC, between FR47.1 and FR47.2, LH.	Sheet 01 Sheet 02 Sheet 03 Sheet 04

SERVICE BULLETIN

- (a) Modify the installed position of the Cargo Heat Pressure Regulating Valve, FIN 11HC, located between FR47.1 and FR47.2, LH.

Refer to [Fig. A-GBAAB Sheet 01](#), [Fig. A-GBAAB Sheet 02](#), [Fig. A-GBAAB Sheet 03](#) and [Fig. A-GBAAB Sheet 04](#)

1 Disconnect the electrical connector of wire harness. .609VB/1M at the Cargo Heat Pressure Regulating Valve, FIN 11HC (Refer to AMM Task 21-43-52-000-001).

2 Loosen the release clamps at the duct assemblies, connected to the Cargo Heat Pressure Regulating Valve, FIN 11HC, (Refer to AMM Task 21-43-52-000-001).

a Loosen :

2	Clamp	NSA8603-262	Item (2)	Retain
---	-------	-------------	----------	--------

3 Disconnect the sense line hose at the bulkhead connector and loosen the routing clamps (Refer to AMM Task 21-43-52-000-001).

a Disconnect :

1	Hose Assy	D2147102100000	Item (5)	Retain
---	-----------	----------------	----------	--------

b Loosen :

3	Clamp	MS21919WCJ9	Item (3)	Retain
---	-------	-------------	----------	--------

3	Clamp	MS21919WCJ5	Item (4)	Retain
---	-------	-------------	----------	--------

3	Screw	NAS1096-3-7	Item (13)	Retain
---	-------	-------------	-----------	--------

3	Washer	NAS1149C0363R	Item (14)	Retain
---	--------	---------------	-----------	--------

3	Nut	MS21042-3	Item (15)	Retain
---	-----	-----------	-----------	--------

4 Remove the bonding lead assembly and attaching parts.

a Remove :

1	Lead-Bonding	E0088-10-160NN	Item (1)	Discard
---	--------------	----------------	----------	---------

and

2	Screw	NAS1096-3-7	Item (13)	Retain
---	-------	-------------	-----------	--------

2	Washer	NAS1149C0363R	Item (14)	Retain
---	--------	---------------	-----------	--------

2	Nut	MS21042-3	Item (15)	Retain
---	-----	-----------	-----------	--------

5 Rotate the Cargo Heat Pressure Regulating Valve, FIN 11HC, Item (17), by 107 degree to the modified installation location.

SERVICE BULLETIN

- 6 Tighten and secure the release clamps in position at the duct assemblies, connected to the Cargo Heat Pressure Regulating Valve, FIN 11HC, (Refer to AMM Task 21-43-52-400-001).

a Tighten and secure :

2	Clamp	NSA8603-262	Item (2)	Retained at removal
---	-------	-------------	----------	---------------------

- 7 Adapt the sense line hose clamps to accommodate the revised routing, connect the sense line hose and secure the routing clamps (Refer to AMM Task 21-43-52-400-001).

a Connect :

1	Hose Assy	D2147102100000	Item (5)	Retained at removal
---	-----------	----------------	----------	---------------------

with :

3	Clamp	MS21919WCJ9	Item (3)	Retained at removal
---	-------	-------------	----------	---------------------

3	Clamp	MS21919WCJ5	Item (4)	Retained at removal
---	-------	-------------	----------	---------------------

3	Screw	NAS1096-3-7	Item (13)	Retained at removal
---	-------	-------------	-----------	---------------------

3	Washer	NAS1149C0363R	Item (14)	Retained at removal
---	--------	---------------	-----------	---------------------

3	Nut	MS21042-3	Item (15)	Retained at removal
---	-----	-----------	-----------	---------------------

- 8 Install the bonding lead assembly and attaching parts.

a Install :

1	Lead, Bonding	E0088-10-100NN	Item 1	
---	---------------	----------------	--------	--

with

2	Screw	NAS1096-3-7	Item (13)	Retained at removal
---	-------	-------------	-----------	---------------------

2	Washer	NAS1149C0363R	Item (14)	Retained at removal
---	--------	---------------	-----------	---------------------

2	Nut	MS21042-3	Item (15)	Retained at removal
---	-----	-----------	-----------	---------------------

- (2) **Subtask 211191-831-202-002 - Modify the routing for wire harness, 609VB/1M, at the Cargo Heat Pressure Regulating Valve, FIN 11HC, located between FR47.1 and FR47.2, LH.**

Work Zones and Access Panels			
	Zone	Access/Work location	
	190	Work location	from Frame 47.1 to Frame 47.2

Manpower Resources	
Manhours	0.75
Minimum number of person	1
Subtask elapsed time	0.75
Skills	NON SPECIFIC

Material necessary to do the job

Kit 211191D01R00				
ITEM	NEW PART N°	QTY (UM)	KEYWORD	SEE NOTES
6	NAS1801-08-19	1	SCREW	
7	NAS1149DN816K	1	WASHER	
8	NSA935808-01	1	WASHER	
9	MS21059L08	1	NUT	
10	NSA5527-03-01	1	SPACER	
11	NSA935807-06	1	CLAMP	
12	NSA935401-04	5	TIE	
16	EN6101D3-03	2	RIVET	

References	
Fig. A-GBBAB Modification of the Routing for Wire Harness , 609VB/1M, at the Cargo Heat Pressure Regulating Valve, FIN 11HC, between FR47.1 and FR47.2, LH.	Sheet 01 Sheet 02

- (a) Modify the routing for wire harness, 609VB/1M, at the Cargo Heat Pressure Regulating Valve, FIN 11HC, located between FR47.1 and FR47.2, LH.

Refer to [Fig. A-GBBAB Sheet 01](#) and [Fig. A-GBBAB Sheet 02](#)

1 Install the nut-plate on the bulkhead located between FR47.1 and FR47.2, LH.

a Drill the hole with 5.0mm (0.197in.).

b Install :

1 Nut MS21059L08 Item 9

with

2 Rivet EN6101D3-03 Item 16

SERVICE BULLETIN

- 2 Route, safety and secure the wire harness, 609VB/1M, to the Cargo Heat Pressure Regulating Valve, FIN 11HC, Item (17).

a Install :

1	Screw	NAS1801-08-19	Item 6
1	Washer	NAS1149DN816K	Item 7
1	Washer	NSA935808-01	Item 8
1	Spacer	NSA5527-03-01	Item 10
1	Clamp	NSA935807-06	Item 11
5	Tie	NSA935401-04	Item 12

- 3 Connect the electrical connector of wire harness, 609VB/1M to the Cargo Heat Pressure Regulating Valve, FIN 11HC, Item (17).

****CONF 003**

- (1) Subtask 211191-831-201-003 - Modify the installed position of the Cargo Heat Pressure Regulating Valve, FIN 11HC, located between FR52 and FR53, LH.**

Work Zones and Access Panels			
	Zone	Access/Work location	
	190	Work location	from Frame 52 to Frame 53

Manpower Resources	
Manhours	0.50
Minimum number of person	1
Subtask elapsed time	0.50
Skills	AIRFRAME

Material necessary to do the job

Kit 211191D01R00				
ITEM	NEW PART N°	QTY (UM)	KEYWORD	SEE NOTES
1	E0088-10-100NN	1	LEAD	

References	
Aircraft Maintenance Manual (AMM)	Task 21-43-52-000-001 Task 21-43-52-400-001
Fig. A-GBAAC Modification of the Installed Position for the Cargo Heat Pressure Regulating Valve, FIN 11HC, between FR52 and FR53, LH.	Sheet 01 Sheet 02 Sheet 03 Sheet 04

- (a) Modify the installed position of the Cargo Heat Pressure Regulating Valve, FIN 11HC, located between FR52 and FR53, LH.

Refer to [Fig. A-GBAAC Sheet 01](#), [Fig. A-GBAAC Sheet 02](#), [Fig. A-GBAAC Sheet 03](#) and [Fig. A-GBAAC Sheet 04](#)

1 Disconnect the electrical connector of wire harness 609VB/1M at the Cargo Heat Pressure Regulating Valve, FIN 11HC (Refer to AMM Task 21-43-52-000-001).

2 Loosen the release clamps at the duct assemblies, connected to the Cargo Heat Pressure Regulating Valve, FIN 11HC, (Refer to AMM Task 21-43-52-000-001).

a Loosen :

2	Clamp	NSA8603-262	Item (2)	Retain
---	-------	-------------	----------	--------

3 Disconnect the sense line hose at the bulkhead connector and loosen the routing clamps (Refer to AMM Task 21-43-52-000-001).

a Disconnect :

1	Hose Assy	D2147102100000	Item (5)	Retain
---	-----------	----------------	----------	--------

b Loosen :

3	Clamp	MS21919WCJ9	Item (3)	Retain
---	-------	-------------	----------	--------

3	Clamp	MS21919WCJ5	Item (4)	Retain
---	-------	-------------	----------	--------

3	Screw	NAS1096-3-7	Item (13)	Retain
---	-------	-------------	-----------	--------

3	Washer	NAS1149C0363R	Item (14)	Retain
---	--------	---------------	-----------	--------

3	Nut	MS21042-3	Item (15)	Retain
---	-----	-----------	-----------	--------

4 Remove the bonding lead assembly and attaching parts.

a Remove :

1	Lead-Bonding	E0088-10-160NN	Item (1)	Discard
---	--------------	----------------	----------	---------

and

2	Screw	NAS1096-3-7	Item (13)	Retain
---	-------	-------------	-----------	--------

2	Washer	NAS1149C0363R	Item (14)	Retain
---	--------	---------------	-----------	--------

2	Nut	MS21042-3	Item (15)	Retain
---	-----	-----------	-----------	--------

5 Rotate the Cargo Heat Pressure Regulating Valve, FIN 11HC, Item (17), by 107 degree to the modified installation location.

SERVICE BULLETIN

- 6 Tighten and secure the release clamps in position at the duct assemblies, connected to the Cargo Heat Pressure Regulating Valve, FIN 11HC, (Refer to AMM Task 21-43-52-400-001).

a Tighten and secure :

2	Clamp	NSA8603-262	Item (2)	Retained at removal
---	-------	-------------	----------	---------------------

- 7 Adapt the sense line hose clamps to accommodate the revised routing, connect the sense line hose and secure the routing clamps (Refer to AMM Task 21-43-52-400-001).

a Connect :

1	Hose Assy	D2147102100000	Item (5)	Retained at removal
---	-----------	----------------	----------	---------------------

with :

3	Clamp	MS21919WCJ9	Item (3)	Retained at removal
---	-------	-------------	----------	---------------------

3	Clamp	MS21919WCJ5	Item (4)	Retained at removal
---	-------	-------------	----------	---------------------

3	Screw	NAS1096-3-7	Item (13)	Retained at removal
---	-------	-------------	-----------	---------------------

3	Washer	NAS1149C0363R	Item (14)	Retained at removal
---	--------	---------------	-----------	---------------------

3	Nut	MS21042-3	Item (15)	Retained at removal
---	-----	-----------	-----------	---------------------

- 8 Install the bonding lead assembly and attaching parts.

a Install :

1	Lead, Bonding	E0088-10-100NN	Item 1	
---	---------------	----------------	--------	--

with

2	Screw	NAS1096-3-7	Item (13)	Retained at removal
---	-------	-------------	-----------	---------------------

2	Washer	NAS1149C0363R	Item (14)	Retained at removal
---	--------	---------------	-----------	---------------------

2	Nut	MS21042-3	Item (15)	Retained at removal
---	-----	-----------	-----------	---------------------

- (2) **Subtask 211191-831-202-003 - Modify the routing for wire harness, 609VB/1M, at the Cargo Heat Pressure Regulating Valve, FIN 11HC, located between FR52 and FR53, LH.**

Work Zones and Access Panels			
	Zone	Access/Work location	
	190	Work location	from Frame 52 to Frame 53

Manpower Resources	
Manhours	0.75
Minimum number of person	1
Subtask elapsed time	0.75
Skills	NON SPECIFIC

Material necessary to do the job

Kit 211191D01R00				
ITEM	NEW PART N°	QTY (UM)	KEYWORD	SEE NOTES
6	NAS1801-08-19	1	SCREW	
7	NAS1149DN816K	1	WASHER	
8	NSA935808-01	1	WASHER	
9	MS21059L08	1	NUT	
10	NSA5527-03-01	1	SPACER	
11	NSA935807-06	1	CLAMP	
12	NSA935401-04	5	TIE	
16	EN6101D3-03	2	RIVET	

References	
Fig. A-GBBAC Modification of the Routing for Wire Harness , 609VB/1M, at the Cargo Heat Pressure Regulating Valve, FIN 11HC, between FR52 and FR53, LH.	Sheet 01 Sheet 02

- (a) Modify the routing for wire harness, 609VB/1M, at the Cargo Heat Pressure Regulating Valve, FIN 11HC, located between FR52 and FR53, LH.

Refer to [Fig. A-GBBAC Sheet 01](#) and [Fig. A-GBBAC Sheet 02](#)

1 Install the nut-plate on the bulkhead located between FR52 and FR53, LH.

a Drill the hole with 5.0mm (0.197in.).

b Install :

1 Nut MS21059L08 Item 9

with

2 Rivet EN6101D3-03 Item 16

SERVICE BULLETIN

- 2 Route, safety and secure the wire harness, 609VB/1M, to the Cargo Heat Pressure Regulating Valve, FIN 11HC, Item (17).

a Install :

1	Screw	NAS1801-08-19	Item 6
1	Washer	NAS1149DN816K	Item 7
1	Washer	NSA935808-01	Item 8
1	Spacer	NSA5527-03-01	Item 10
1	Clamp	NSA935807-06	Item 11
5	Tie	NSA935401-04	Item 12

- 3 Connect the electrical connector of wire harness, 609VB/1M to the Cargo Heat Pressure Regulating Valve, FIN 11HC, Item (17).

****CONF 004**

- (1) Subtask 211191-831-201-004 - Modify the installed position of the Cargo Heat Pressure Regulating Valve, FIN 11HC, located between FR55 and FR56, LH.**

Work Zones and Access Panels			
	Zone	Access/Work location	
	190	Work location	from Frame 55 to Frame 56

Manpower Resources	
Manhours	0.50
Minimum number of person	1
Subtask elapsed time	0.50
Skills	AIRFRAME

Material necessary to do the job

Kit 211191D01R00				
ITEM	NEW PART N°	QTY (UM)	KEYWORD	SEE NOTES
1	E0088-10-100NN	1	LEAD	

References	
Aircraft Maintenance Manual (AMM)	Task 21-43-52-000-001 Task 21-43-52-400-001
Fig. A-GBAAD Modification of the Installed Position for the Cargo Heat Pressure Regulating Valve, FIN 11HC, between FR55 and FR56, LH.	Sheet 01 Sheet 02 Sheet 03 Sheet 04

SERVICE BULLETIN

- (a) Modify the installed position for the Cargo Heat Pressure Regulating Valve, FIN 11HC, located between FR55 and FR56, LH.

Refer to [Fig. A-GBAAD Sheet 01](#), [Fig. A-GBAAD Sheet 02](#), [Fig. A-GBAAD Sheet 03](#) and [Fig. A-GBAAD Sheet 04](#)

1 Disconnect the electrical connector of wire harness. .609VB/1M at the Cargo Heat Pressure Regulating Valve, FIN 11HC (Refer to AMM Task 21-43-52-000-001).

2 Loosen the release clamps at the duct assemblies, connected to the Cargo Heat Pressure Regulating Valve, FIN 11HC, (Refer to AMM Task 21-43-52-000-001).

a Loosen :

2	Clamp	NSA8603-262	Item (2)	Retain
---	-------	-------------	----------	--------

3 Disconnect the sense line hose at the bulkhead connector and loosen the routing clamps (Refer to AMM Task 21-43-52-000-001).

a Disconnect :

1	Hose Assy	D2147102100000	Item (5)	Retain
---	-----------	----------------	----------	--------

b Loosen :

3	Clamp	MS21919WCJ9	Item (3)	Retain
---	-------	-------------	----------	--------

3	Clamp	MS21919WCJ5	Item (4)	Retain
---	-------	-------------	----------	--------

3	Screw	NAS1096-3-7	Item (13)	Retain
---	-------	-------------	-----------	--------

3	Washer	NAS1149C0363R	Item (14)	Retain
---	--------	---------------	-----------	--------

3	Nut	MS21042-3	Item (15)	Retain
---	-----	-----------	-----------	--------

4 Remove the bonding lead assembly and attaching parts.

a Remove :

1	Lead-Bonding	E0088-10-160NN	Item (1)	Discard
---	--------------	----------------	----------	---------

and

2	Screw	NAS1096-3-7	Item (13)	Retain
---	-------	-------------	-----------	--------

2	Washer	NAS1149C0363R	Item (14)	Retain
---	--------	---------------	-----------	--------

2	Nut	MS21042-3	Item (15)	Retain
---	-----	-----------	-----------	--------

5 Rotate the Cargo Heat Pressure Regulating Valve, FIN 11HC, Item (17), by 107 degree to the modified installation location.

SERVICE BULLETIN

- 6 Tighten and secure the release clamps in position at the duct assemblies, connected to the Cargo Heat Pressure Regulating Valve, FIN 11HC, (Refer to AMM Task 21-43-52-400-001).

a Tighten and secure :

2	Clamp	NSA8603-262	Item (2)	Retained at removal
---	-------	-------------	----------	---------------------

- 7 Adapt the sense line hose clamps to accommodate the revised routing, connect the sense line hose and secure the routing clamps (Refer to AMM Task 21-43-52-400-001).

a Connect :

1	Hose Assy	D2147102100000	Item (5)	Retained at removal
---	-----------	----------------	----------	---------------------

with :

3	Clamp	MS21919WCJ9	Item (3)	Retained at removal
---	-------	-------------	----------	---------------------

3	Clamp	MS21919WCJ5	Item (4)	Retained at removal
---	-------	-------------	----------	---------------------

3	Screw	NAS1096-3-7	Item (13)	Retained at removal
---	-------	-------------	-----------	---------------------

3	Washer	NAS1149C0363R	Item (14)	Retained at removal
---	--------	---------------	-----------	---------------------

3	Nut	MS21042-3	Item (15)	Retained at removal
---	-----	-----------	-----------	---------------------

- 8 Install the bonding lead assembly and attaching parts.

a Install :

1	Lead, Bonding	E0088-10-100NN	Item 1	
---	---------------	----------------	--------	--

with

2	Screw	NAS1096-3-7	Item (13)	Retained at removal
---	-------	-------------	-----------	---------------------

2	Washer	NAS1149C0363R	Item (14)	Retained at removal
---	--------	---------------	-----------	---------------------

2	Nut	MS21042-3	Item (15)	Retained at removal
---	-----	-----------	-----------	---------------------

- (2) **Subtask 211191-831-202-004 - Modify the routing for wire harness, 609VB/1M, at the Cargo Heat Pressure Regulating Valve, FIN 11HC, located between FR55 and FR56, LH.**

Work Zones and Access Panels			
	Zone	Access/Work location	
	190	Work location	from Frame 55 to Frame 56

Manpower Resources	
Manhours	0.75
Minimum number of person	1
Subtask elapsed time	0.75
Skills	NON SPECIFIC

Material necessary to do the job

Kit 211191D01R00				
ITEM	NEW PART N°	QTY (UM)	KEYWORD	SEE NOTES
6	NAS1801-08-19	1	SCREW	
7	NAS1149DN816K	1	WASHER	
8	NSA935808-01	1	WASHER	
9	MS21059L08	1	NUT	
10	NSA5527-03-01	1	SPACER	
11	NSA935807-06	1	CLAMP	
12	NSA935401-04	5	TIE	
16	EN6101D3-03	2	RIVET	

References	
Fig. A-GBBAD Modification of the Routing for Wire Harness , 609VB/1M, at the Cargo Heat Pressure Regulating Valve, FIN 11HC, between FR55 and FR56, LH.	Sheet 01 Sheet 02

- (a) Modify the routing for wire harness, 609VB/1M, at the Cargo Heat Pressure Regulating Valve, FIN 11HC, located between FR55 and FR56, LH.

Refer to [Fig. A-GBBAD Sheet 01](#) and [Fig. A-GBBAD Sheet 02](#)

1 Install the nut-plate on the bulkhead located between FR55 and FR56, LH.

a Install :

1 Nut MS21059L08 Item 9

with

2 Rivet EN6101D3-03 Item 16

SERVICE BULLETIN

- 2 Route, safety and secure the wire harness, 609VB/1M, to the Cargo Heat Pressure Regulating Valve, FIN 11HC, Item (17).

a Install :

1	Screw	NAS1801-08-19	Item 6
1	Washer	NAS1149DN816K	Item 7
1	Washer	NSA935808-01	Item 8
1	Spacer	NSA5527-03-01	Item 10
1	Clamp	NSA935807-06	Item 11
5	Tie	NSA935401-04	Item 12

- 3 Connect the electrical connector of wire harness, 609VB/1M to the Cargo Heat Pressure Regulating Valve, FIN 11HC, Item (17).

****CONF ALL**

D. TEST

****CONF 001**

(1) Subtask 211191-700-201-001 - Testing

Work Zones and Access Panels		
	Zone	Access/Work location
	190	

Manpower Resources	
Skills	NON SPECIFIC

References	
Aircraft Maintenance Manual (AMM)	Task 12-33-21-618-001
	Task 21-43-00-710-003
	Task 21-43-52-400-001

- (a) Remove the safety clip(s) and/or the tag(s) and close/unlock the applicable circuit breakers (Refer to AMM Task 21-43-52-400-001).
- (b) Do the pre-conditioning through the HP ground connector or with the APU (Refer to AMM Task 12-33-21-618-001).
- (c) Do a leak check of the pressure regulating valve and sense line connections.

NOTE: Leaks are not permitted.

- (d) After approximately 15 minutes stop the pre-conditioning (Refer to AMM Task 12-33-21-618-001)

- (e) Do the operational test of the AFT cargo compartment heating system (Refer to AMM Task 21-43-00-710-003).

****CONF 002****(1) Subtask 211191-700-201-001 - Testing**

Work Zones and Access Panels		
	Zone	Access/Work location
	190	

Manpower Resources	
Skills	NON SPECIFIC

References	
Aircraft Maintenance Manual (AMM)	Task 12-33-21-618-001
	Task 21-43-00-710-003
	Task 21-43-52-400-001

- (a) Remove the safety clip(s) and/or the tag(s) and close/unlock the applicable circuit breakers (Refer to AMM Task 21-43-52-400-001).
- (b) Do the pre-conditioning through the HP ground connector or with the APU (Refer to AMM Task 12-33-21-618-001).
- (c) Do a leak check of the pressure regulating valve and sense line connections.

NOTE: Leaks are not permitted.

- (d) After approximately 15 minutes stop the pre-conditioning (Refer to AMM Task 12-33-21-618-001)
- (e) Do the operational test of the AFT cargo compartment heating system (Refer to AMM Task 21-43-00-710-003).

****CONF 003****(1) Subtask 211191-700-201-001 - Testing**

Work Zones and Access Panels		
	Zone	Access/Work location
	190	

Manpower Resources	
Skills	NON SPECIFIC

References	
Aircraft Maintenance Manual (AMM)	Task 12-33-21-618-001
	Task 21-43-00-710-003
	Task 21-43-52-400-001

- (a) Remove the safety clip(s) and/or the tag(s) and close/unlock the applicable circuit breakers (Refer to AMM Task 21-43-52-400-001).
- (b) Do the pre-conditioning through the HP ground connector or with the APU (Refer to AMM Task 12-33-21-618-001).
- (c) Do a leak check of the pressure regulating valve and sense line connections.

NOTE: Leaks are not permitted.

- (d) After approximately 15 minutes stop the pre-conditioning (Refer to AMM Task 12-33-21-618-001)
- (e) Do the operational test of the AFT cargo compartment heating system (Refer to AMM Task 21-43-00-710-003).

****CONF 004****(1) Subtask 211191-700-201-001 - Testing**

Work Zones and Access Panels		
	Zone	Access/Work location
	190	

Manpower Resources	
Skills	NON SPECIFIC

References	
Aircraft Maintenance Manual (AMM)	Task 12-33-21-618-001
	Task 21-43-00-710-003
	Task 21-43-52-400-001

- (a) Remove the safety clip(s) and/or the tag(s) and close/unlock the applicable circuit breakers (Refer to AMM Task 21-43-52-400-001).
- (b) Do the pre-conditioning through the HP ground connector or with the APU (Refer to AMM Task 12-33-21-618-001).
- (c) Do a leak check of the pressure regulating valve and sense line connections.

NOTE: Leaks are not permitted.

- (d) After approximately 15 minutes stop the pre-conditioning (Refer to AMM Task 12-33-21-618-001)
- (e) Do the operational test of the AFT cargo compartment heating system (Refer to AMM Task 21-43-00-710-003).

****CONF ALL****E. CLOSE-UP******CONF 001****(1) Subtask 211191-942-201-001 - Close-up**

Manpower Resources	
Skills	NON SPECIFIC

References	
Aircraft Maintenance Manual (AMM)	Task 24-41-00-862-002 Task 53-35-13-400-002

- (a) Make sure that the work area is clean and clear of tool(s) and other items.
- (b) Install the access panel 197BB (Refer to AMM Task 53-35-13-400-002).
- (c) Remove the access platform(s).
- (d) Remove the warning notice(s).
- (e) De-energize the aircraft electrical circuits (Refer to AMM Task 24-41-00-862-002).
- (f) Remove the ground support and maintenance equipment, the tools and all other items.

****CONF 002****(1) Subtask 211191-942-201-002 - Close-up**

Work Zones and Access Panels			
	Zone	Access/Work location	
	190	Access	Panel 197KB

Manpower Resources	
Skills	NON SPECIFIC

References	
Aircraft Maintenance Manual (AMM)	Task 24-41-00-862-002 Task 53-35-13-400-002

- (a) Make sure that the work area is clean and clear of tool(s) and other items.
- (b) Install the access panel 197KB (Refer to AMM Task 53-35-13-400-002).
- (c) Remove the access platform(s).
- (d) Remove the warning notice(s).
- (e) De-energize the aircraft electrical circuits (Refer to AMM Task 24-41-00-862-002).

- (f) Remove the ground support and maintenance equipment, the tools and all other items.

****CONF 003****(1) Subtask 211191-942-201-001 - Close-up**

Manpower Resources	
Skills	NON SPECIFIC

References	
Aircraft Maintenance Manual (AMM)	Task 24-41-00-862-002 Task 53-35-13-400-002

- (a) Make sure that the work area is clean and clear of tool(s) and other items.
- (b) Install the access panel 197BB (Refer to AMM Task 53-35-13-400-002).
- (c) Remove the access platform(s).
- (d) Remove the warning notice(s).
- (e) De-energize the aircraft electrical circuits (Refer to AMM Task 24-41-00-862-002).
- (f) Remove the ground support and maintenance equipment, the tools and all other items.

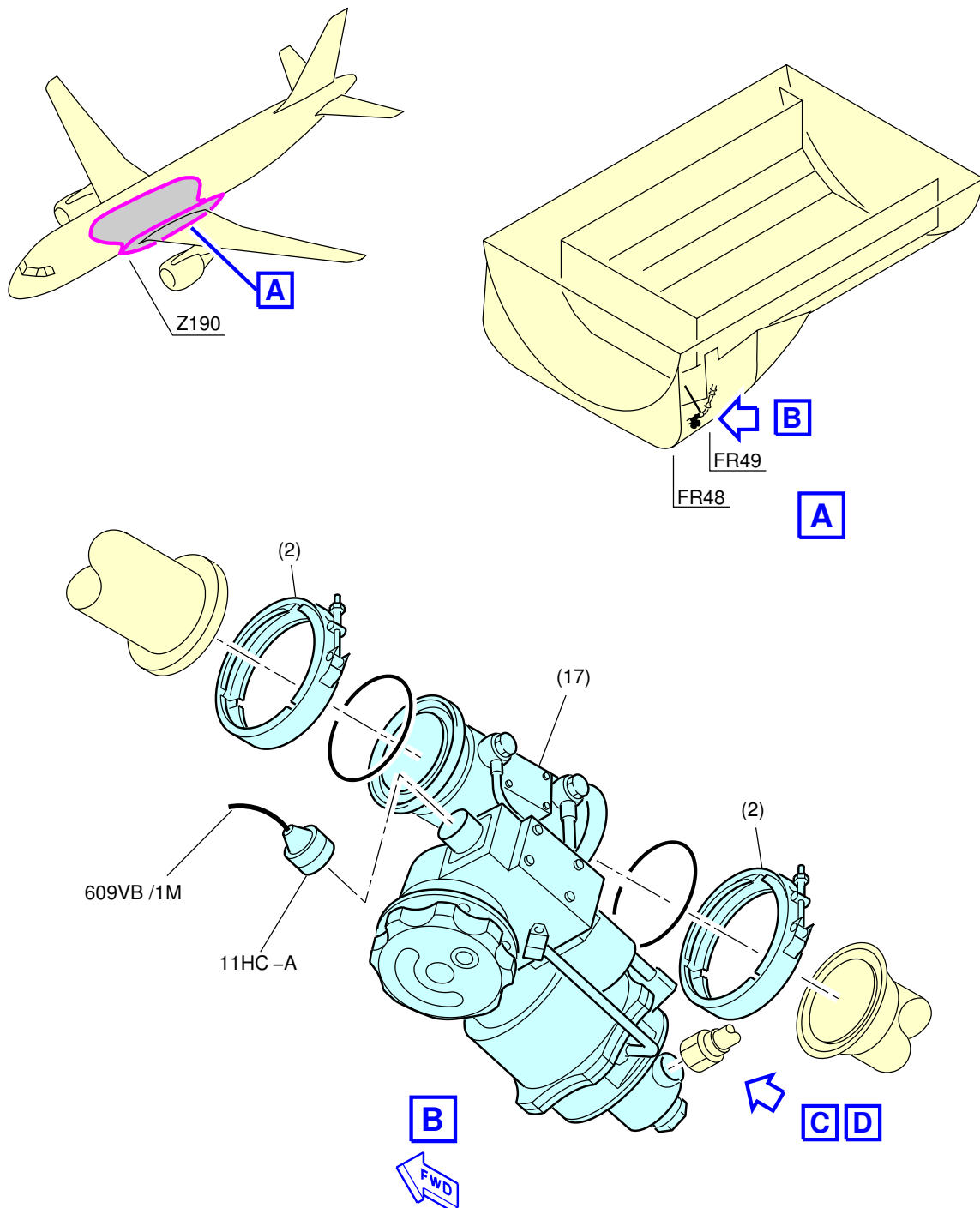
****CONF 004****(1) Subtask 211191-942-201-001 - Close-up**

Manpower Resources	
Skills	NON SPECIFIC

References	
Aircraft Maintenance Manual (AMM)	Task 24-41-00-862-002 Task 53-35-13-400-002

- (a) Make sure that the work area is clean and clear of tool(s) and other items.
- (b) Install the access panel 197BB (Refer to AMM Task 53-35-13-400-002).
- (c) Remove the access platform(s).
- (d) Remove the warning notice(s).
- (e) De-energize the aircraft electrical circuits (Refer to AMM Task 24-41-00-862-002).
- (f) Remove the ground support and maintenance equipment, the tools and all other items.

****CONF 001**



N_SB_211191_6_BAAA_01_00

Figure A-GBAAA - Sheet 01

Modification of the Installed Position for the Cargo Heat Pressure Regulating Valve, FIN 11HC, between FR48 and FR49, LH.

6 DATE: Feb 01/10

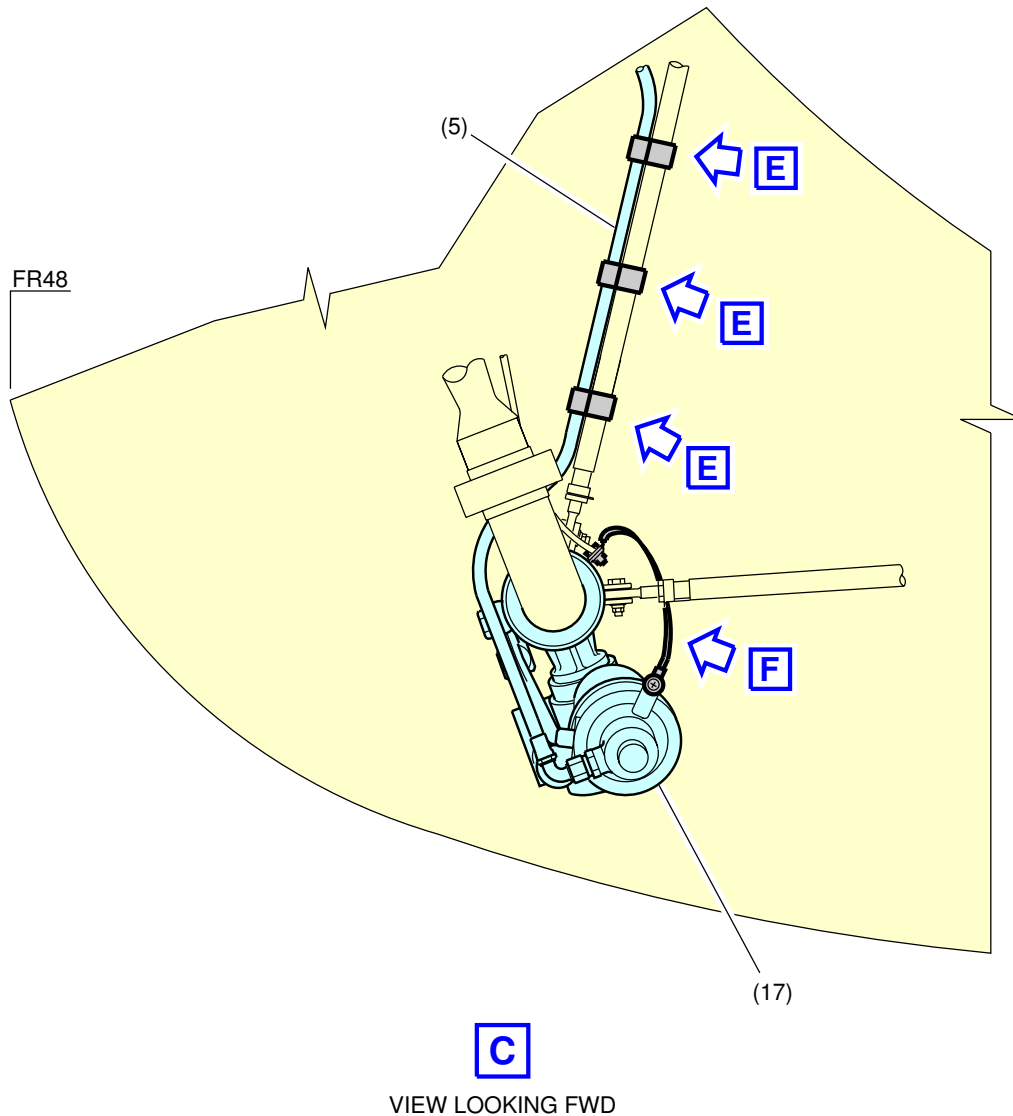
SERVICE BULLETIN No.: A320-21-1191

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****CONF 001**

BEFORE



N_SB_211191_6_BAAA_02_00

Figure A-GBAAA - Sheet 02

Modification of the Installed Position for the Cargo Heat Pressure Regulating Valve, FIN 11HC, between FR48 and FR49, LH.

6 DATE: Feb 01/10

SERVICE BULLETIN No.: A320-21-1191

REVISION No.: 00 - Feb 01/10

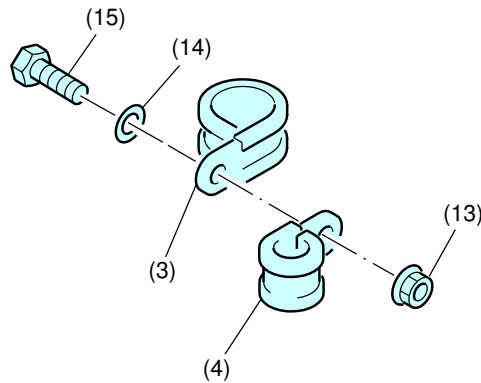
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AFTER



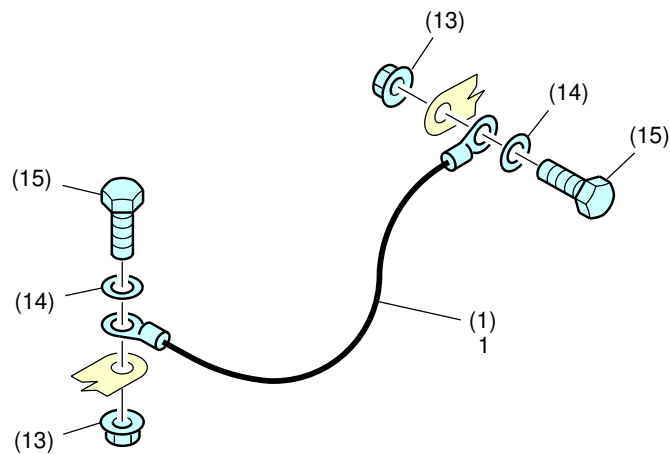
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****CONF 001**



E

TYPICAL



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TYPICAL

N_SB_211191_6_BAAA_04_00

Figure A-GBAAA - Sheet 04

Modification of the Installed Position for the Cargo Heat Pressure Regulating Valve, FIN 11HC, between FR48 and FR49, LH.

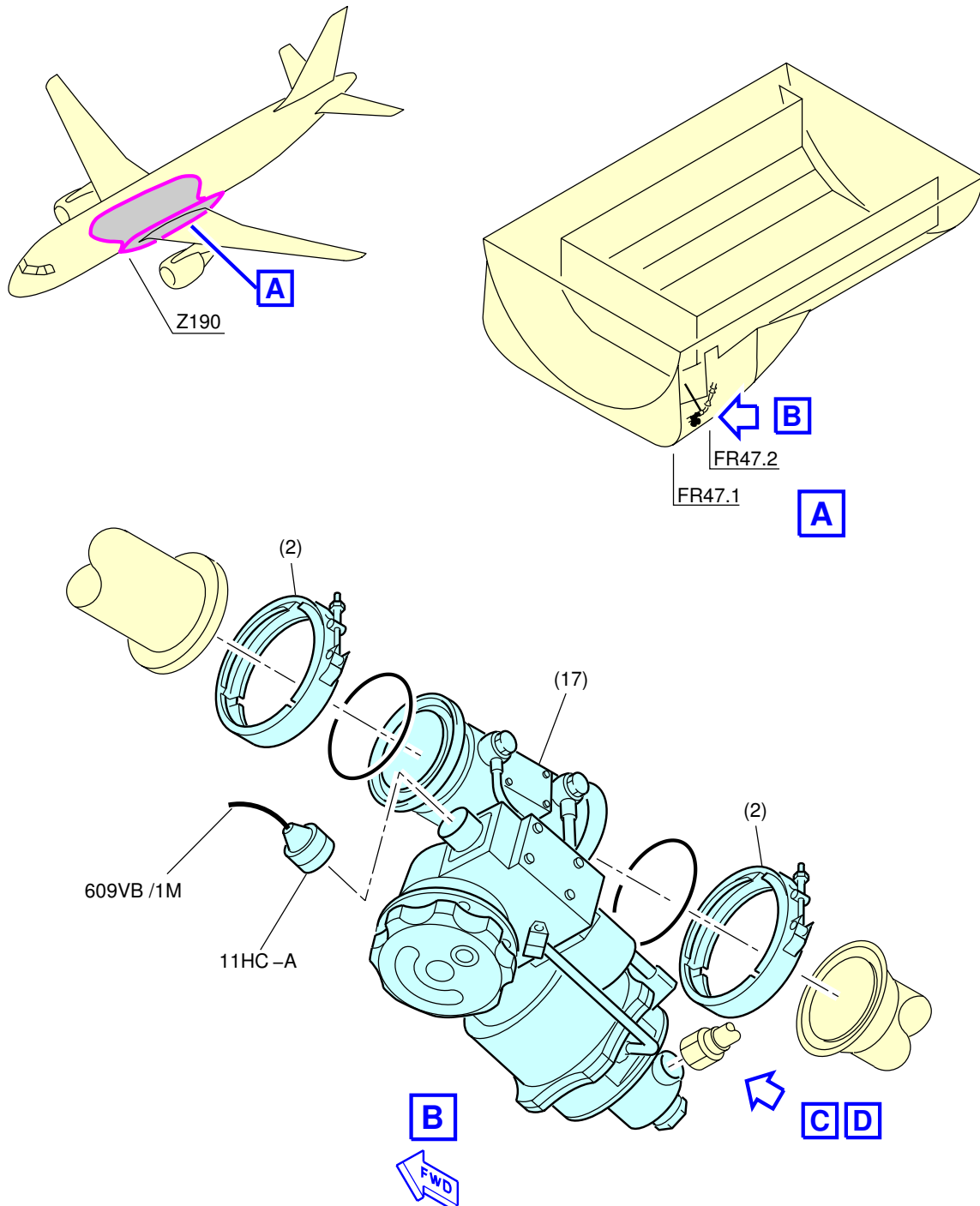
6 DATE: Feb 01/10

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N_SB_211191_6_BAAB_01_00

Figure A-GBAAB - Sheet 01
Modification of the Installed Position for the Cargo Heat Pressure Regulating Valve, FIN 11HC, between FR47.1 and FR47.2, LH.

6 DATE: Feb 01/10

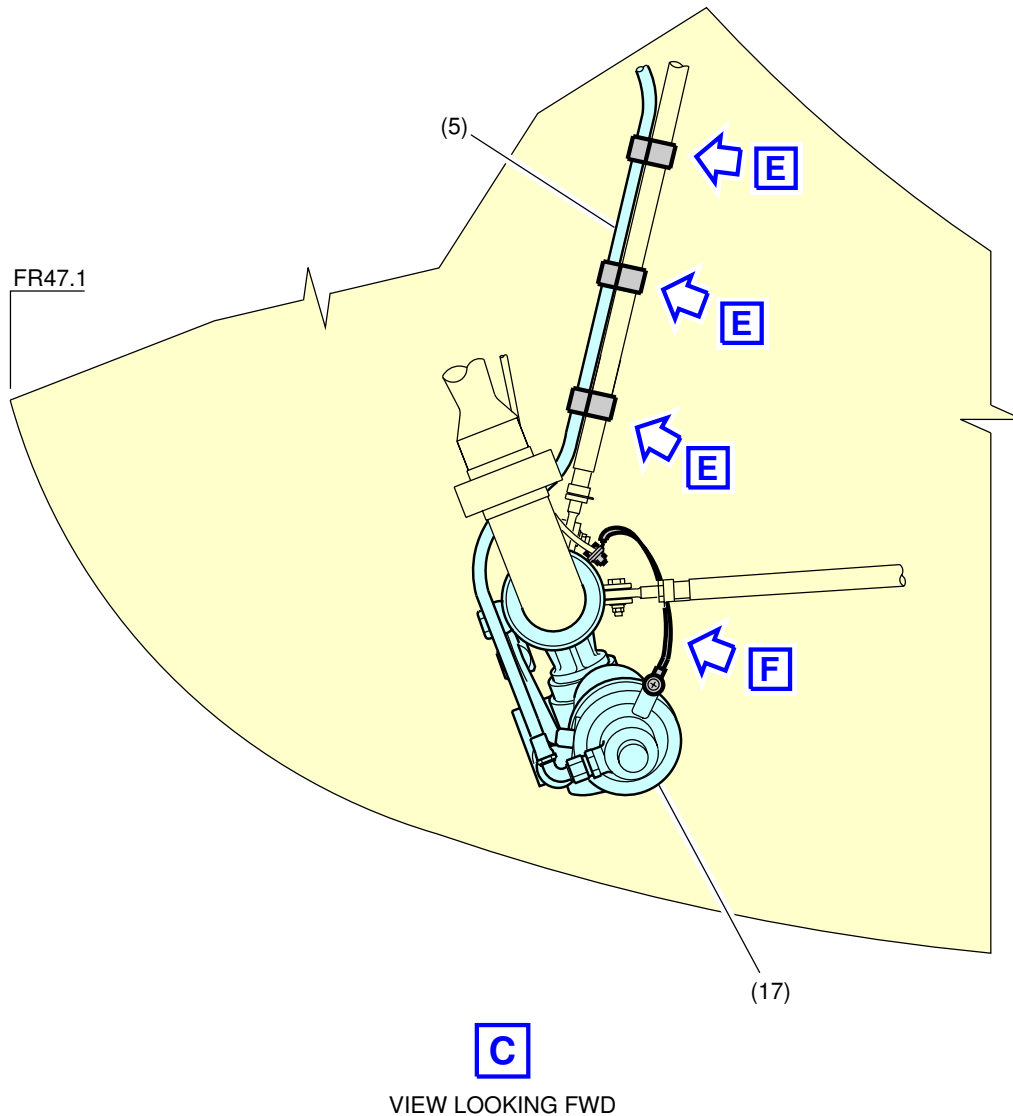
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****CONF 002**

BEFORE



N_SB_211191_6_BAAB_02_00

Figure A-GBAAB - Sheet 02

Modification of the Installed Position for the Cargo Heat Pressure Regulating Valve, FIN 11HC, between FR47.1 and FR47.2, LH.

6 DATE: Feb 01/10

SERVICE BULLETIN No.: A320-21-1191

REVISION No.: 00 - Feb 01/10

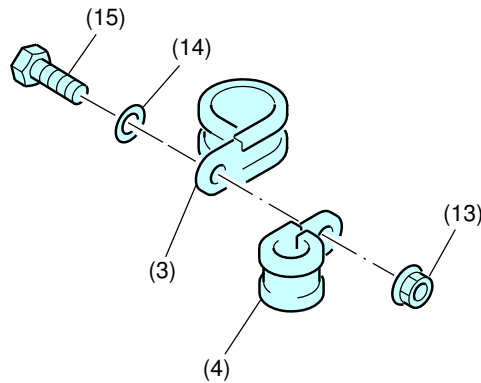
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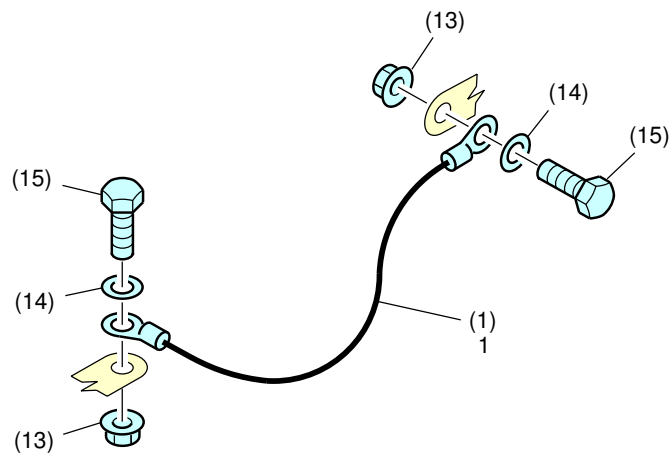
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****CONF 002**



E

TYPICAL



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TYPICAL

N_SB_211191_6_BAAB_04_00

Figure A-GBAAB - Sheet 04

Modification of the Installed Position for the Cargo Heat Pressure Regulating Valve, FIN 11HC, between FR47.1 and FR47.2, LH.

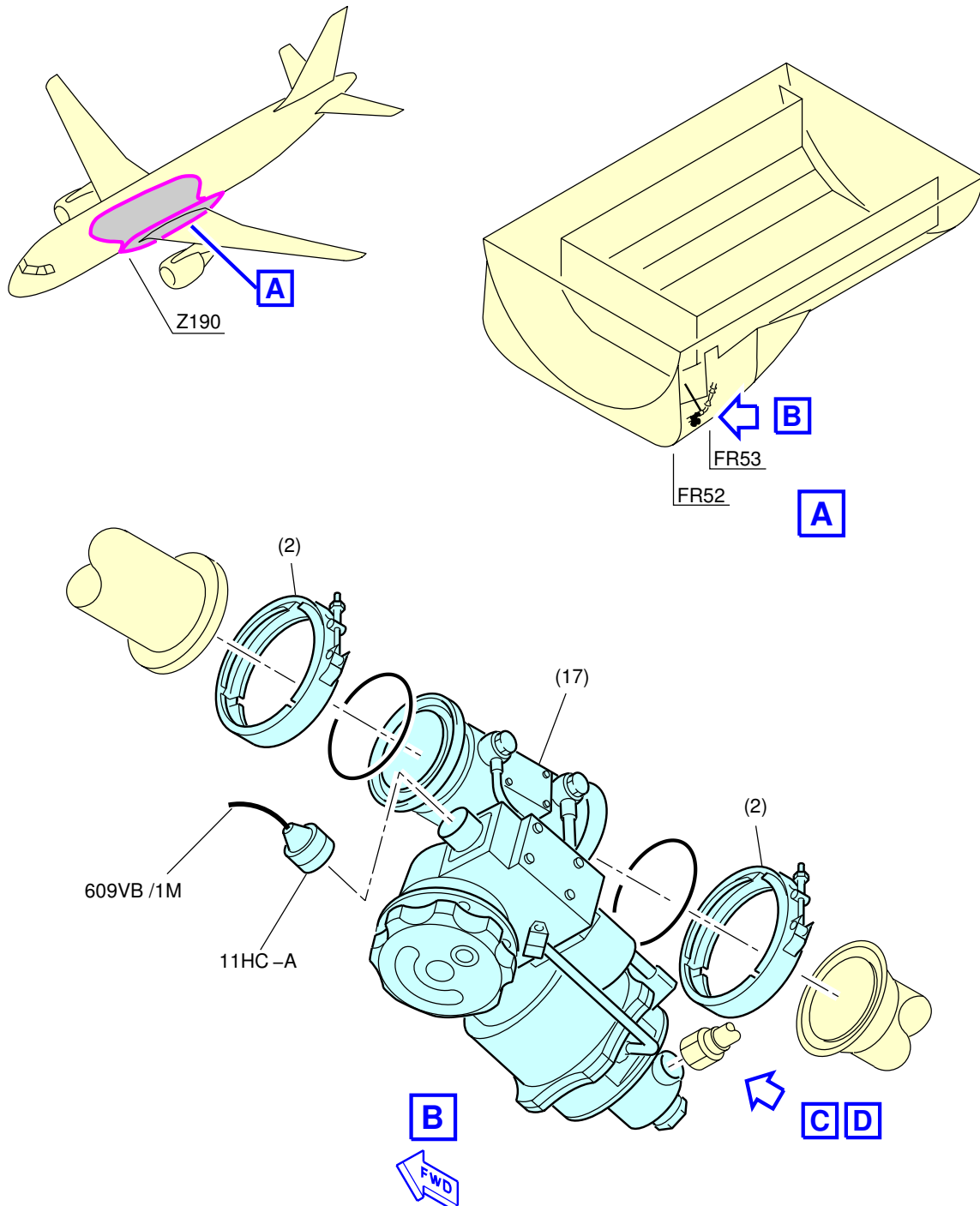
6 DATE: Feb 01/10

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****CONF 003**



N_SB_211191_6_BAAC_01_00

Figure A-GBAAC - Sheet 01

Modification of the Installed Position for the Cargo Heat Pressure Regulating Valve, FIN 11HC, between FR52 and FR53, LH.

6 DATE: Feb 01/10

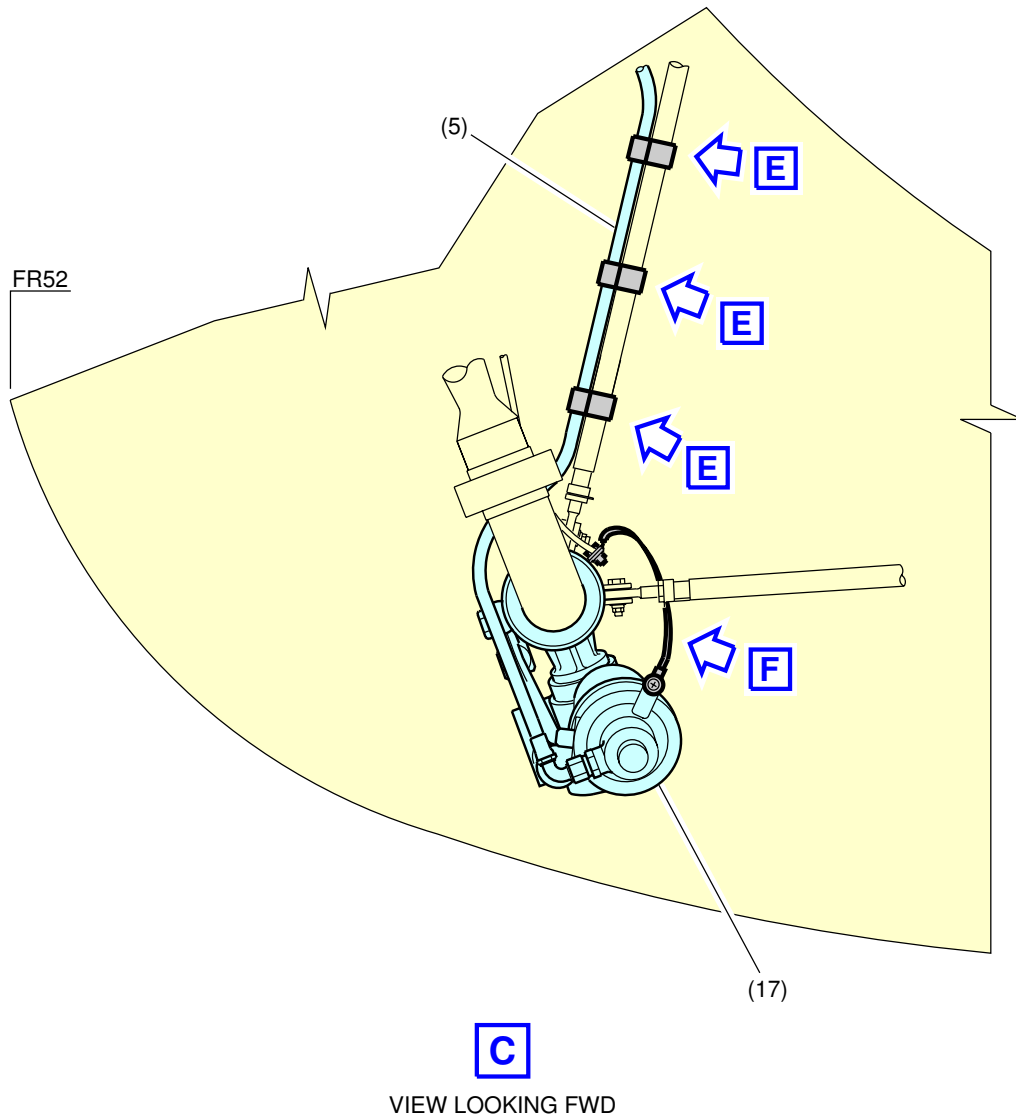
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****CONF 003**

BEFORE



N_SB_211191_6_BAAC_02_00

Figure A-GBAAC - Sheet 02

Modification of the Installed Position for the Cargo Heat Pressure Regulating Valve, FIN 11HC, between FR52 and FR53, LH.

6 DATE: Feb 01/10

SERVICE BULLETIN No.: A320-21-1191

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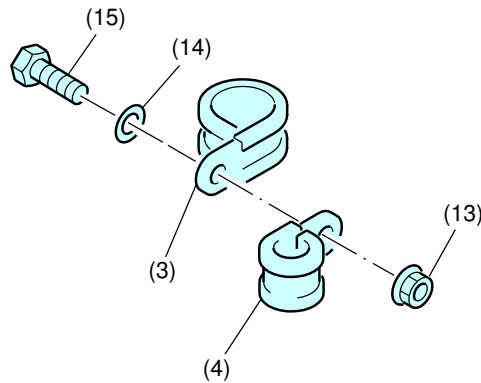
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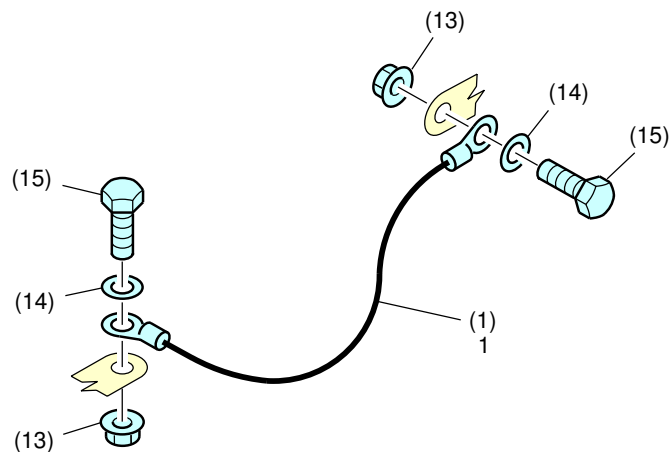
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****CONF 003**



E

TYPICAL



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TYPICAL

N_SB_211191_6_BAAC_04_00

Figure A-GBAAC - Sheet 04

Modification of the Installed Position for the Cargo Heat Pressure Regulating Valve, FIN 11HC, between FR52 and FR53, LH.

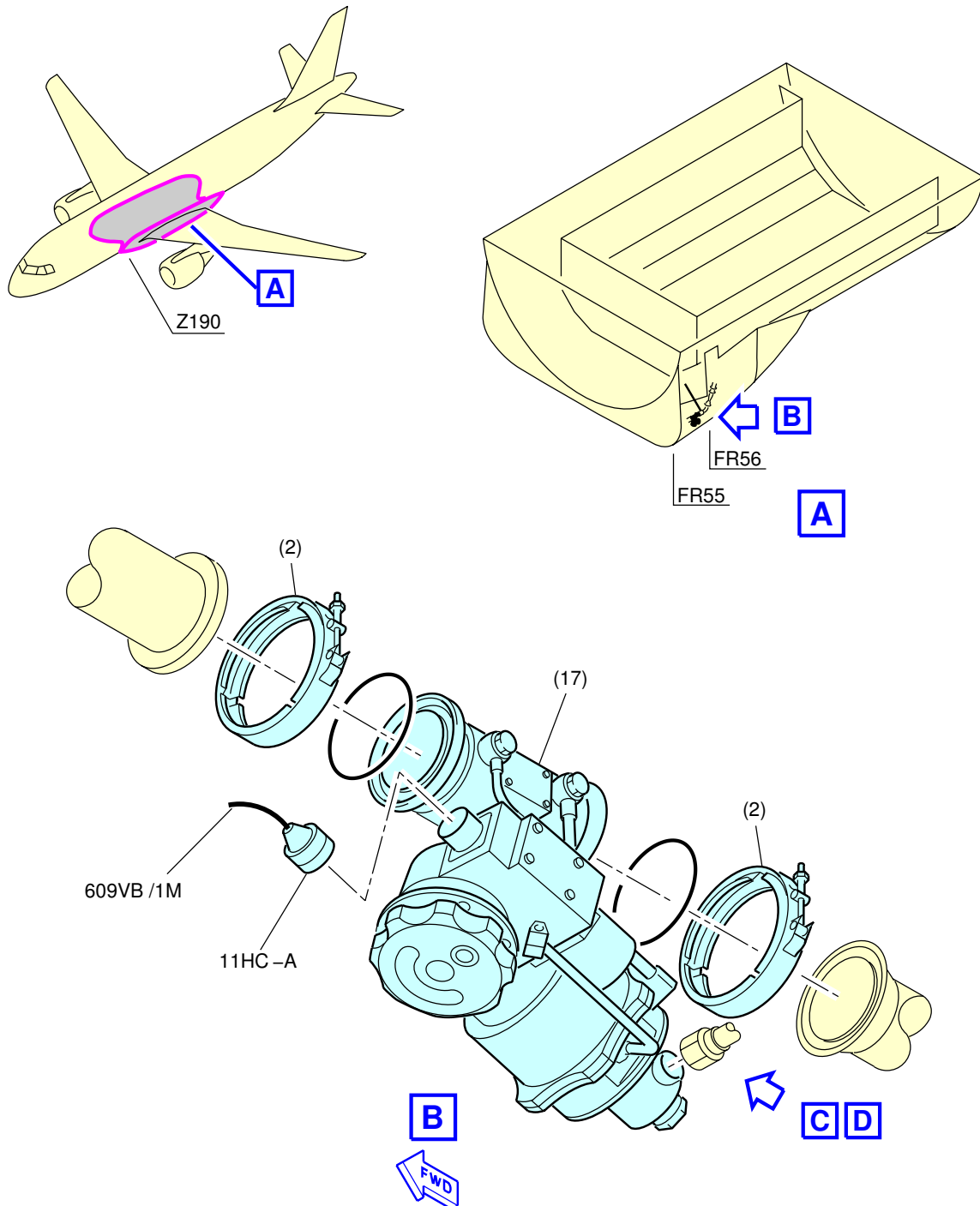
6 DATE: Feb 01/10

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****CONF 004**



N_SB_211191_6_BAAD_01_00

Figure A-GBAAD - Sheet 01

Modification of the Installed Position for the Cargo Heat Pressure Regulating Valve, FIN 11HC, between FR55 and FR56, LH.

6 DATE: Feb 01/10

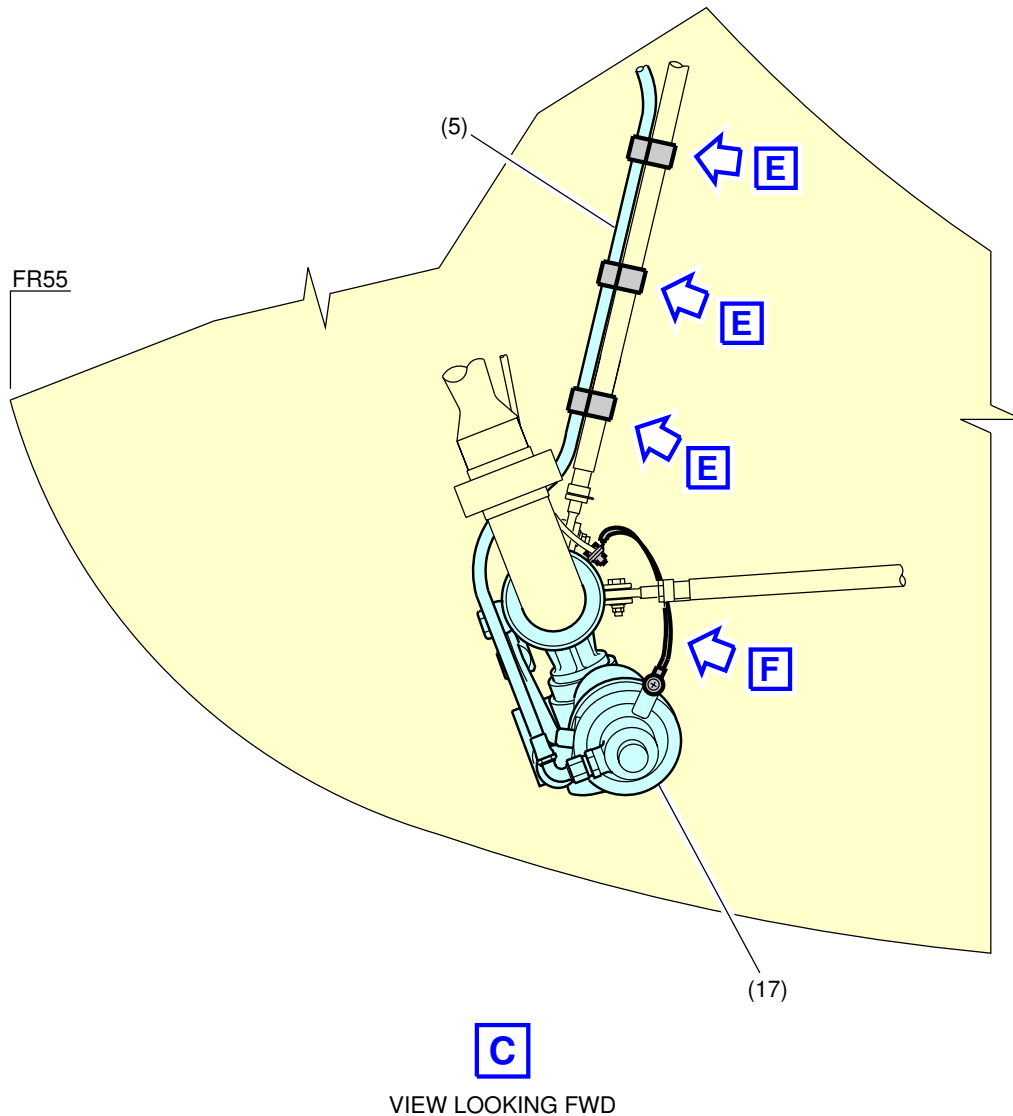
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****CONF 004**

BEFORE



N_SB_211191_6_BAAD_02_00

Figure A-GBAAD - Sheet 02

Modification of the Installed Position for the Cargo Heat Pressure Regulating Valve, FIN 11HC, between FR55 and FR56, LH.

6 DATE: Feb 01/10

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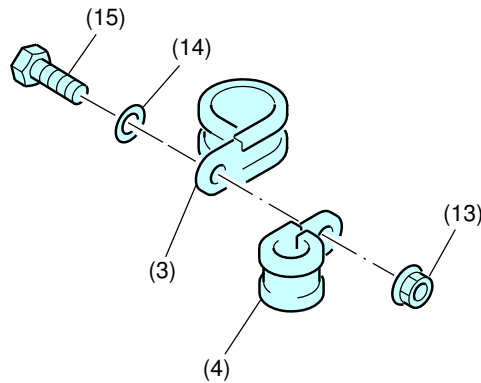
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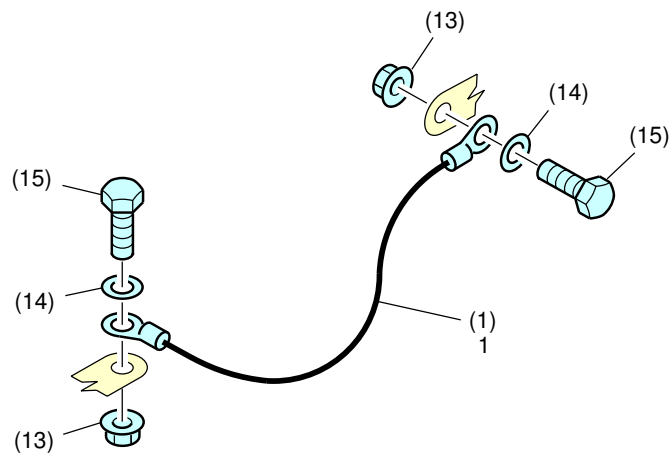
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****CONF 004**



E

TYPICAL



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TYPICAL

N_SB_211191_6_BAAD_04_00

Figure A-GBAAD - Sheet 04

Modification of the Installed Position for the Cargo Heat Pressure Regulating Valve, FIN 11HC, between FR55 and FR56, LH.

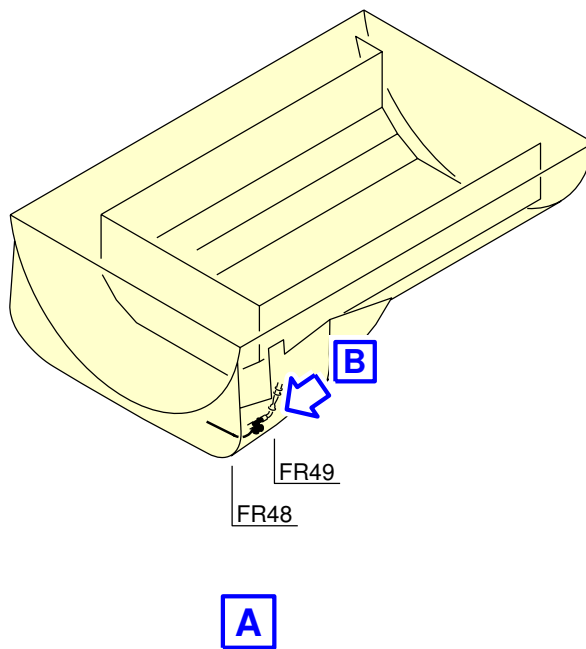
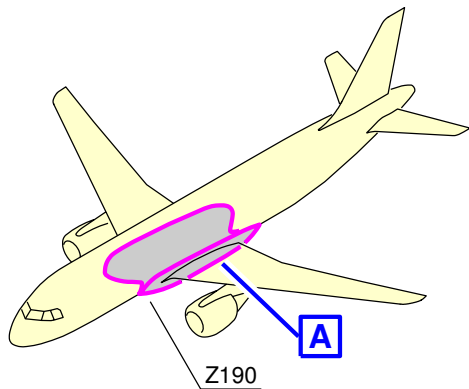
6 DATE: Feb 01/10

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****CONF 001**



N_SB_211191_6_BBAA_01_00

Figure A-GBBAA - Sheet 01
Modification of the Routing for Wire Harness , 609VB/1M, at the Cargo Heat Pressure Regulating Valve, FIN 11HC, between FR48 and FR49, LH.

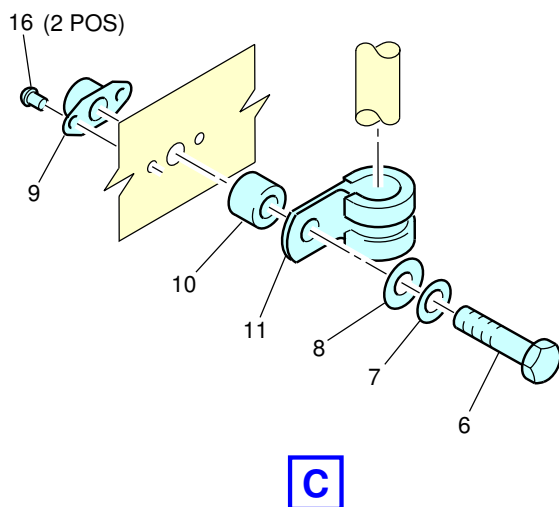
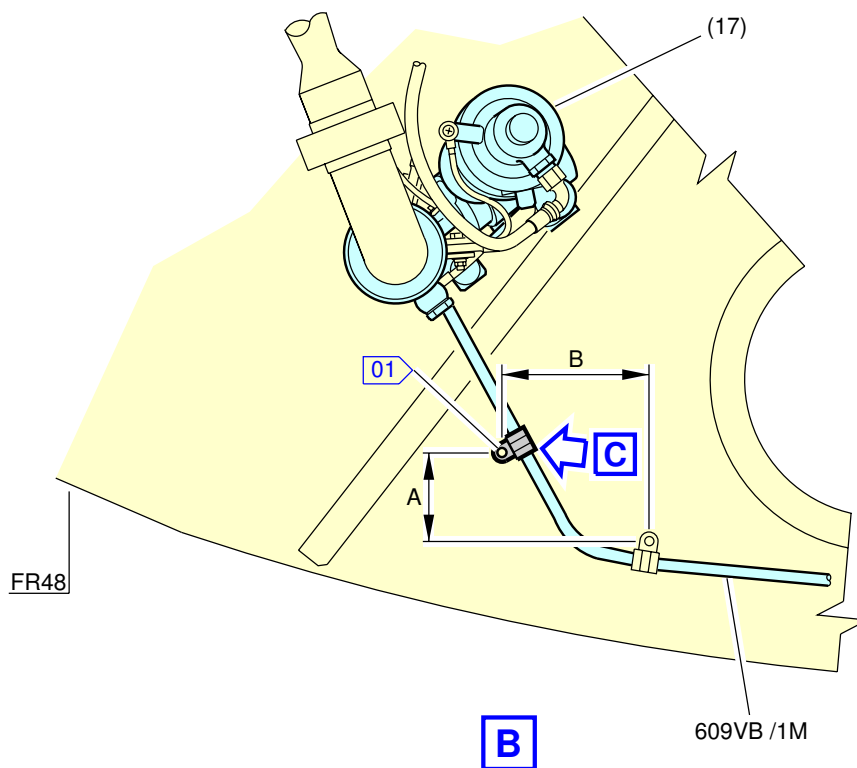
6 DATE: Feb 01/10

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****CONF 001**



DIMENSIONS		
	mm	(in)
A	60.0	2.36
B	100.0	3.94

NOTE:

01 DRILL HOLE DIA 5.0 mm (0.197 in)

N_SB_211191_6_BBAA_02_00

Figure A-GBBAA - Sheet 02

Modification of the Routing for Wire Harness , 609VB/1M, at the Cargo Heat Pressure Regulating Valve, FIN 11HC, between FR48 and FR49, LH.

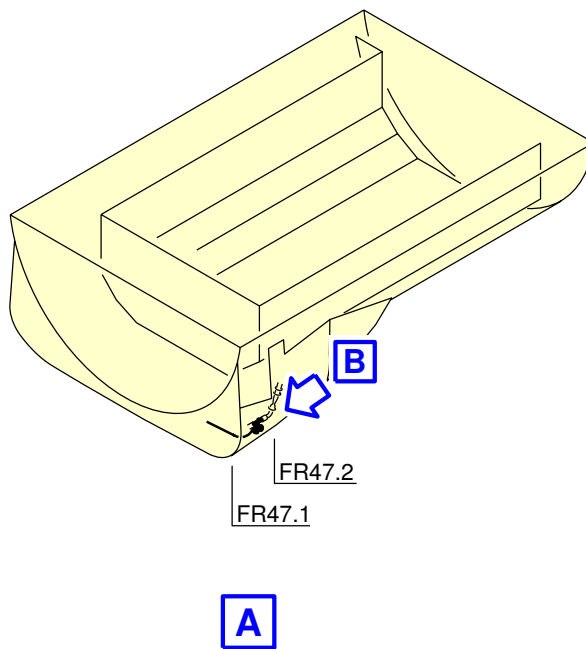
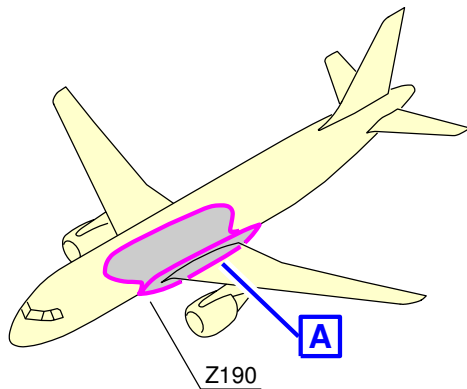
6 DATE: Feb 01/10

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****CONF 002**



N_SB_211191_6_BBAB_01_00

Figure A-GBBAB - Sheet 01

Modification of the Routing for Wire Harness , 609VB/1M, at the Cargo Heat Pressure Regulating Valve, FIN 11HC, between FR47.1 and FR47.2, LH.

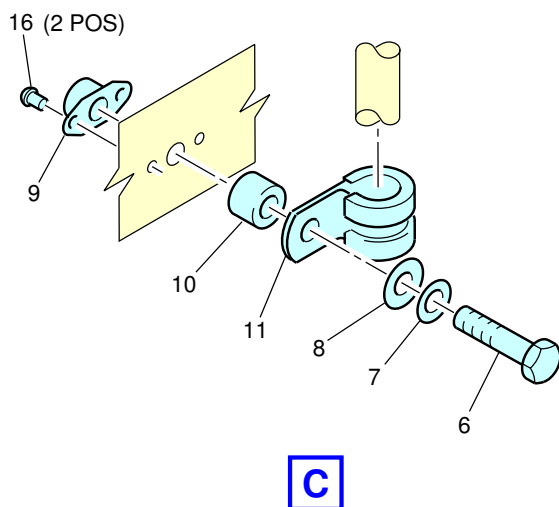
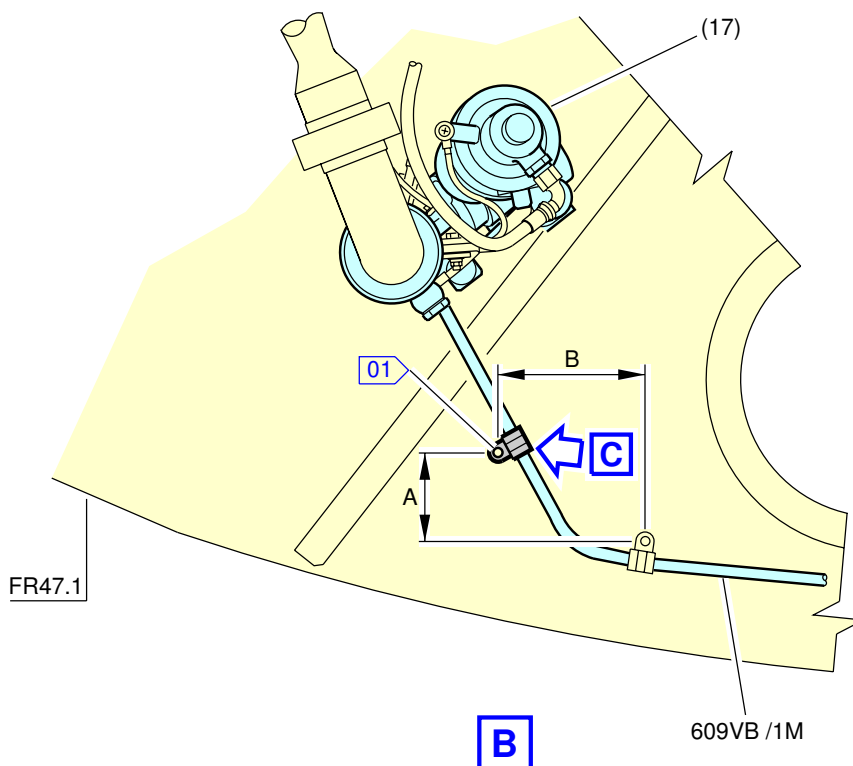
6 DATE: Feb 01/10

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****CONF 002**



DIMENSIONS		
	mm	(in)
A	60.0	2.36
B	100.0	3.94

NOTE:

01 DRILL HOLE DIA 5.0 mm (0.197 in)

N_SB_211191_6_BBAB_02_00

Figure A-GBBAB - Sheet 02

Modification of the Routing for Wire Harness , 609VB/1M, at the Cargo Heat Pressure Regulating Valve, FIN 11HC, between FR47.1 and FR47.2, LH.

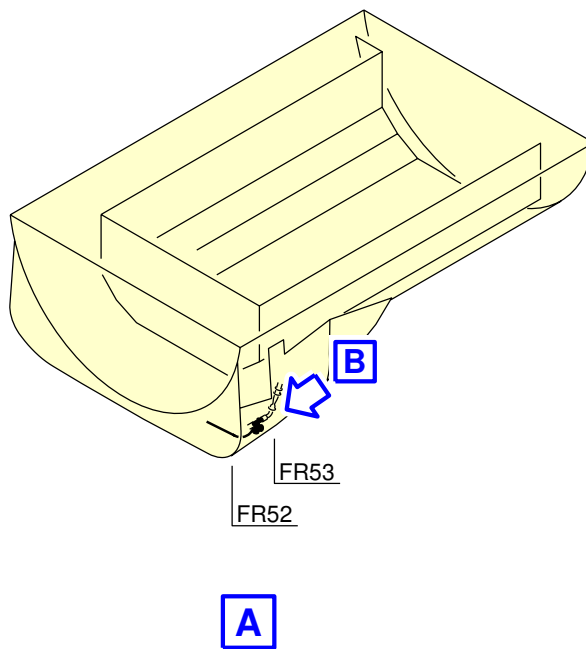
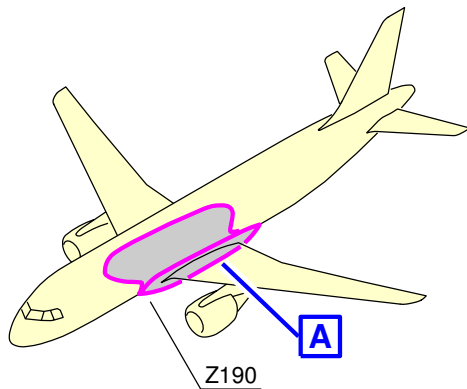
6 DATE: Feb 01/10

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****CONF 003**



N_SB_211191_6_BBAC_01_00

Figure A-GBBAC - Sheet 01
Modification of the Routing for Wire Harness , 609VB/1M, at the Cargo Heat Pressure Regulating Valve, FIN 11HC, between FR52 and FR53, LH.

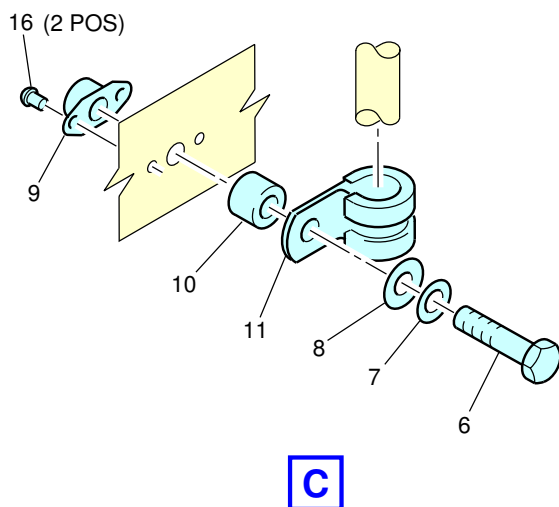
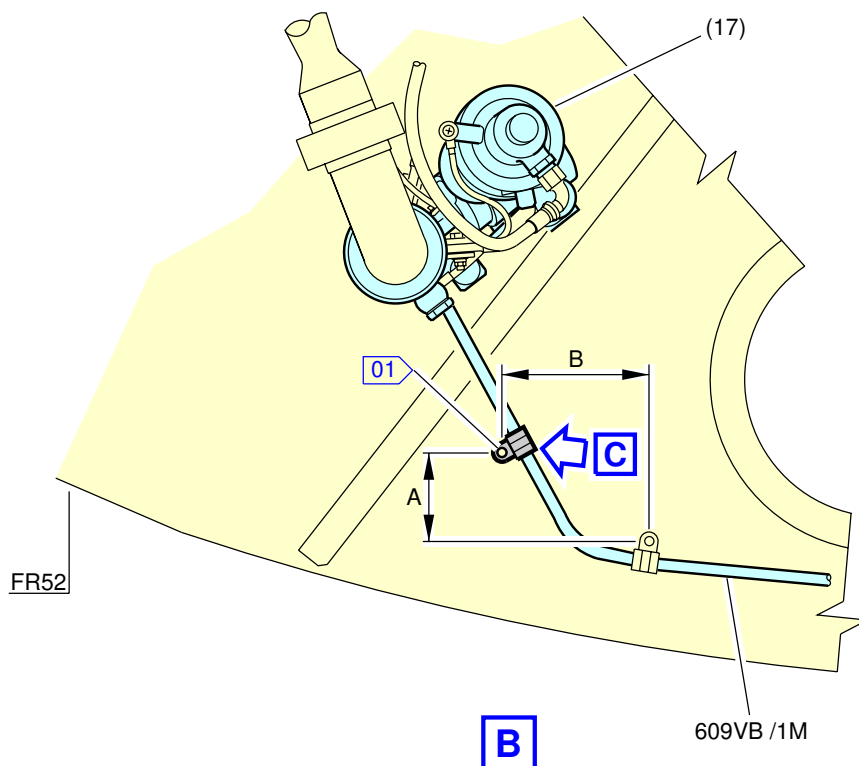
6 DATE: Feb 01/10

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****CONF 003**



DIMENSIONS		
	mm	(in)
A	60.0	2.36
B	100.0	3.94

NOTE:

01 DRILL HOLE DIA 5.0 mm (0.197 in)

N_SB_211191_6_BBAC_02_01

Figure A-GBBAC - Sheet 02

Modification of the Routing for Wire Harness , 609VB/1M, at the Cargo Heat Pressure Regulating Valve, FIN 11HC, between FR52 and FR53, LH.

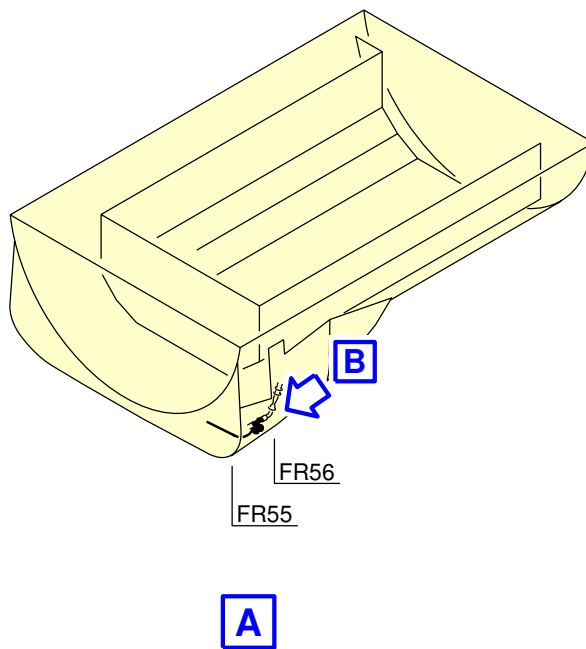
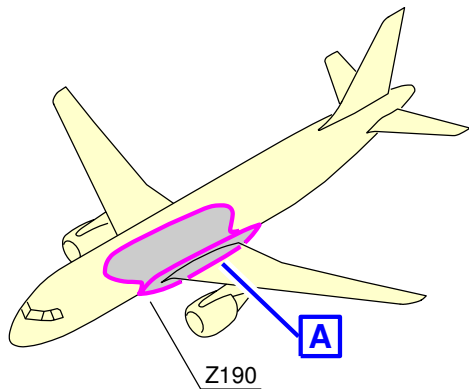
6 DATE: Feb 01/10

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REVISION No.: 00 - Feb 01/10

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****CONF 004**



N_SB_211191_6_BBAD_01_00

Figure A-GBBAD - Sheet 01
Modification of the Routing for Wire Harness , 609VB/1M, at the Cargo Heat Pressure Regulating Valve, FIN 11HC, between FR55 and FR56, LH.

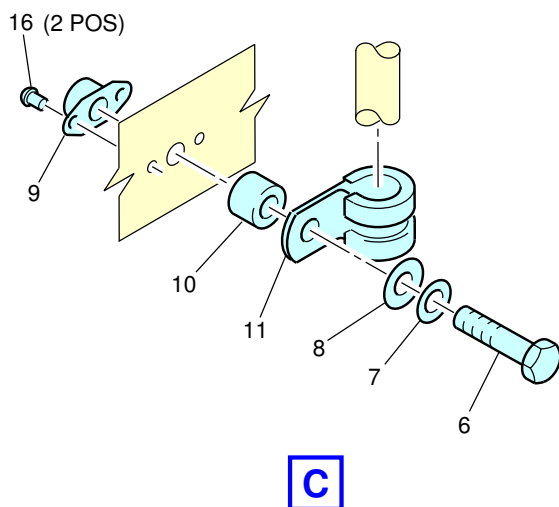
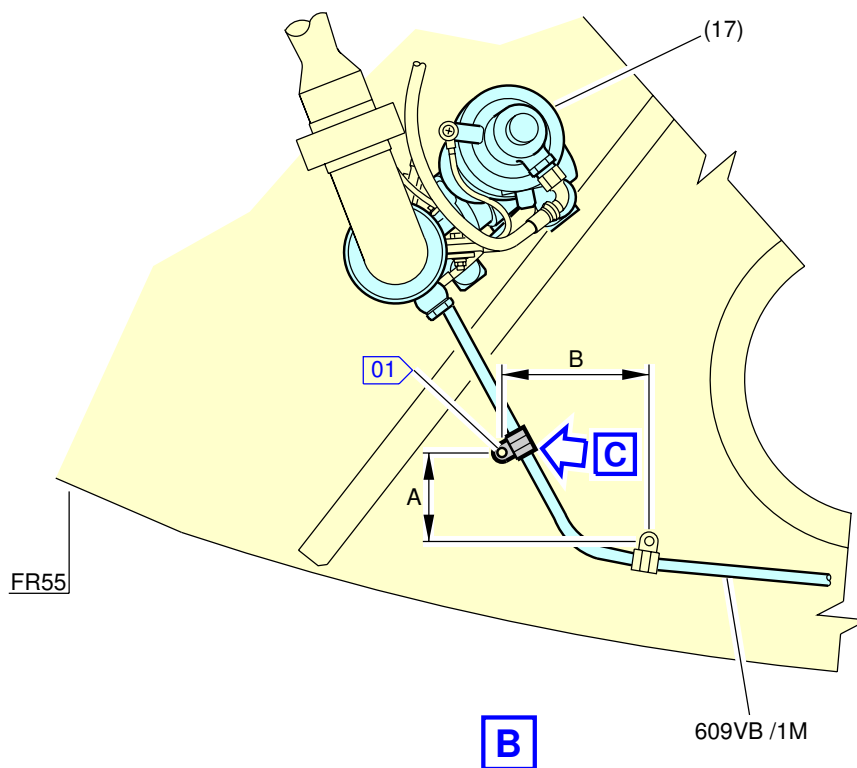
6 DATE: Feb 01/10

SERVICE BULLETIN No.: A320-21-1191

REVISION No.: 00 - Feb 01/10

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****CONF 004**



DIMENSIONS		
	mm	(in)
A	60.0	2.36
B	100.0	3.94

NOTE:

01 DRILL HOLE DIA 5.0 mm (0.197 in)

N_SB_211191_6_BBAD_02_00

Figure A-GBBAD - Sheet 02

Modification of the Routing for Wire Harness , 609VB/1M, at the Cargo Heat Pressure Regulating Valve, FIN 11HC, between FR55 and FR56, LH.

6 DATE: Feb 01/10

SERVICE BULLETIN No.: A320-21-1191

REVISION No.: 00 - Feb 01/10

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**TITLE: AIR CONDITIONING - CARGO COMPARTMENT HEATING - CHANGE
POSITION OF PRESSURE REGULATION VALVE**

MODIFICATION No.: 150447K12993

Please complete the appropriate item (A or B):

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

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

B - SB HAS BEEN embodied on aircraft:

Operator comments:

From Airline:

Name/Title:

Signature:

Date:

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

Either: Modification Operational Impact (MOI), if available

YES/NO

Or : Intermediate revision

YES/NO

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

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

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

Please return this completed sheet to:

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

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

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

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

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