

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

ATA SYSTEM: 21

**TITLE: AIR CONDITIONING - REMOVE INTERFERENCES BETWEEN ACSC  
AND LGCIU SIGNALS BY SHIELDING OF 47HH AND 57HH WIRE**

MODIFICATION No.: 153571K15409

This page transmits Revision No.01 of Service Bulletin No.A320-21-1208

**ADDITIONAL WORK**

**\*\*CONF ALL**

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

**REASON**

Revision No.01 issued to:

- Update the effectivity.
- Update the Kit references (administrative update) and to complete the Price and Availability.
- Delete 3009VN of the paragraph PROCEDURE and of the Kit A01, A02, A03.
- Update Illustrations to add the location of 2201VN and 3011VN.

**CHANGES**

SUMMARY		
MATERIAL PRICE INFORMATION	MATERIAL PRICE INFORMATION TABLE UPDATED	R
	MATERIAL PRICE INFORMATION TABLE UPDATED	R
	MATERIAL PRICE INFORMATION TABLE UPDATED	R
EFFECTIVITY	OPERATOR LIST UPDATED	R
PLANNING INFORMATION		
EFFECTIVITY	EFFECTIVITY RELATED INFORMATION UPDATED	R
Material Effectivity	MATERIAL EFFECTIVITY UPDATED MATERIAL SET UPDATED	R

	MATERIAL EFFECTIVITY UPDATED MATERIAL SET UPDATED	R
	MATERIAL EFFECTIVITY UPDATED MATERIAL SET UPDATED	R
<b>PUBLICATION AFFECTED</b>	PUBLICATIONS AFFECTED UPDATED	R
<b>MATERIAL INFORMATION</b>		
<b>MATERIAL - PRICE AND AVAILABILITY</b>		
Procurement Addresses	PROCUREMENT ADDRESSES UPDATED MATERIAL SET UPDATED	R
Price and Availability	PRICE AND AVAILABILITY UPDATED MATERIAL PRICE UPDATED MATERIAL SET UPDATED	R
<b>INDUSTRY SUPPORT INFORMATION</b>	INDUSTRY SUPPORT INFORMATION UPDATED	R
<b>LIST OF COMPONENTS</b>		
Kit 211208A01R03	PART MATERIAL SET UPDATED MATERIAL SET LABEL UPDATED QUANTITY UPDATED	R
Kit 211208A02R04	PART MATERIAL SET UPDATED MATERIAL SET LABEL UPDATED QUANTITY UPDATED	R
Kit 211208A03R04	PART MATERIAL SET UPDATED MATERIAL SET LABEL UPDATED QUANTITY UPDATED	R
<b>ACCOMPLISHMENT INSTRUCTIONS</b>		
TASK 211208- 831-848-001-Modification		
Subtask 211208-831-001-007	SUBTASK SOLUTION UPDATED MATERIAL LIST UPDATED	R
Subtask 211208-960-001-001	SUBTASK SOLUTION UPDATED QUANTITY UPDATED CONFIGURATION UPDATED ITEM NUMBER UPDATED PART NUMBER UPDATED FIGURE REFERENCE UPDATED REFERENCED DOCUMENTATION UPDATED FIN UPDATED PART NUMBER DESCRIPTION UPDATED MATERIAL LIST UPDATED	R
Subtask 211208-831-002-006	SUBTASK SOLUTION UPDATED MATERIAL LIST UPDATED	R
Subtask 211208-831-001-008	SUBTASK SOLUTION UPDATED MATERIAL LIST UPDATED	R

Subtask 211208-960-001-002	SUBTASK SOLUTION UPDATED QUANTITY UPDATED CONFIGURATION UPDATED ITEM NUMBER UPDATED PART NUMBER UPDATED FIGURE REFERENCE UPDATED REFERENCED DOCUMENTATION UPDATED FIN UPDATED PART NUMBER DESCRIPTION UPDATED MATERIAL LIST UPDATED	R
Subtask 211208-831-002-005	SUBTASK SOLUTION UPDATED MATERIAL LIST UPDATED	R
Subtask 211208-831-001-009	SUBTASK SOLUTION UPDATED MATERIAL LIST UPDATED	R
Subtask 211208-960-001-003	SUBTASK SOLUTION UPDATED QUANTITY UPDATED CONFIGURATION UPDATED ITEM NUMBER UPDATED PART NUMBER UPDATED FIGURE REFERENCE UPDATED REFERENCED DOCUMENTATION UPDATED FIN UPDATED PART NUMBER DESCRIPTION UPDATED MATERIAL LIST UPDATED	R
Subtask 211208-831-002-002	SUBTASK SOLUTION UPDATED MATERIAL LIST UPDATED	R
<b>Appendix 01 - Elapsed Time Assumptions</b>		
Fig. A-FBAAA		
Fig. A-FBAAA Sheet 01	SHEET UPDATED	R
Fig. A-FBAAB		
Fig. A-FBAAB Sheet 01	SHEET UPDATED	R
Fig. A-FBAAC		
Fig. A-FBAAC Sheet 01	SHEET UPDATED	R
Fig. A-FBBAA	FIGURE SOLUTION UPDATED	R
Fig. A-FBBAA Sheet 01	SHEET UPDATED	R
Fig. A-FBDAA		
Fig. A-FBDAA Sheet 03	SHEET UPDATED	R
Fig. A-FBDAB		
Fig. A-FBDAB Sheet 03	SHEET UPDATED	R
Fig. A-FBDAC		
Fig. A-FBDAC Sheet 03	SHEET UPDATED	R

## **FILLING INSTRUCTIONS**

This Service Bulletin has been generated electronically and is reissued as a complete document.  
Replace the complete document.

SERVICE BULLETIN  
REVISION TRANSMITTAL SHEET

Put this Revision Transmittal Sheet in front of the Service Bulletin.

**HISTORY OF PREVIOUS REVISIONS**

No previous revision

**REVISION SEQUENCE**

ORIGINAL: Nov 06/12

REVISION No. : 01 - May 14/13

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 - REMOVE INTERFERENCES BETWEEN ACSC  
AND LGCIU SIGNALS BY SHIELDING OF 47HH AND 57HH WIRE**

**\*\*CONF ALL**

**MODIFICATIONS**

MODIFICATION CLASSIFICATION					
MAJOR	None				
MINOR	153571K15409				

**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**

Experiences have shown that the sensors for monitoring the landing gear and the aft cargo door give indications that do not agree with each other. This behavior is caused by an Electro Magnetic Interference (EMI) effect across the sensor cables.

This Service Bulletin gives the necessary instructions to remove and install a new shielded cable from:

- Connector 241VC to connector 1943VC to prevent the EMI effect on sensors 32WV and 34WV.
- Connector 248VC-A to connector 1994VC to prevent the EMI effect on sensor 35GA.

The accomplishment of this Service Bulletin will increase the operational reliability of the related sensors.

**GENERAL EVALUATION**

EVALUATION TABLE			
COMPLIANCE	RECOMMENDED (1)	CANCELS INSPECTION SB	NO
POTENTIAL AD	NO	A/C OPERATION AFFECTED	NO
RELIABILITY AFFECTED	NO	PAX COMFORT AFFECTED	NO
COST SAVING	NO	ETOPS AFFECTED	NO
STRUCTURAL LIFE EXTN	NO	VENDOR SB INVOLVED	NO

SERVICE BULLETIN  
SUMMARY

NOTE (1): Service Bulletin recommended to be accomplished to prevent significant operational disruptions.

**MATERIAL PRICE INFORMATION****\*\*CONF 001**

MATERIAL PRICE INFORMATION TABLE			
MATERIAL SET	QTY PER A/C	PRICE PER A/C (USD)	MAIN PARTS
Kit 211208A01R03	1	1,660.00	Bundle, Plate

**\*\*CONF 002**

MATERIAL PRICE INFORMATION TABLE			
MATERIAL SET	QTY PER A/C	PRICE PER A/C (USD)	MAIN PARTS
Kit 211208A02R04	1	1,690.00	Bundle, Plate

**\*\*CONF 003**

MATERIAL PRICE INFORMATION TABLE			
MATERIAL SET	QTY PER A/C	PRICE PER A/C (USD)	MAIN PARTS
Kit 211208A03R04	1	1,670.00	Bundle, Plate

**EFFECTIVITY****\*\*CONF ALL**

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

08U	15T	16T	17W	27V	31X	35T	39V	46U	54S	55S	55T	62X
69X	74T	80X	83W	89T	91X	95V	95W	96S	97U	AAF	AAR	AAW
AAY	ABL	ABQ	ABY	ADH	ADR	AEE	AFL	AFR	AHY	AIJ	ALK	AMC
ANA	ANZ	APJ	AVA	AWW	AXM	AZA	BAB	BAL	BAW	BEC	BEL	BER
BGF	BGH	BGY	BHP	BIE	BJN	BKP	C2C	CBJ	CCA	CCM	CEB	CEF
CES	CHH	CQH	CQN	CRK	CSA	CSC	CSN	CSZ	CUA	CYP	DCS	DKH
DLH	DNV	DRK	EIN	ETD	EZD	EZY	FFT	FGE	FHY	FLI	GAF	GAP
GFA	GIA	GLG	GMI	GMQ	GOW	GWI	HAY	HCC	HDA	HKJ	HVN	I2L
IAC	IAW	IBE	IBS	IGO	ISR	IWD	IYE	JBU	JJP	JSA	JST	JZR
KAC	KFR	KKK	KNE	KZR	LAA	LAN	LAO	LBT	LBY	LLM	LZB	MAC
MDL	MEA	MJF	MJN	MLM	MLR	MON	MSC	NIA	NKS	NLV	NLY	NMA
NMB	NWS	OAL	OHY	ONE	ORF	PAL	PIC	PVJ	QAF	QTR	RBG	RJA
RKM	RLU	RYW	RZO	SAA	SAS	SBI	SDM	SFJ	SKU	SLK	SMX	SRQ
SUD	SVA	SVR	SVW	SWR	SYA	TAE	TAI	TAK	TAM	TAP	TAR	TBA
TCW	TGW	THA	THY	TNA	TWJ	UAE	UEA	UKN	UNA	USA	UZB	VIM
VJC	VLG	VOI	VRD	VRE	WAU	WHT	WZZ					

**CONCURRENT REQUIREMENTS**

None

SERVICE BULLETIN  
SUMMARY**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 211208-831-848-001: Modification	
TOTAL MANHOURS	25.00
ELAPSED TIME (HOURS)	20.50

**\*\*CONF 002**

Task 211208-831-848-001: Modification	
TOTAL MANHOURS	25.00
ELAPSED TIME (HOURS)	20.50

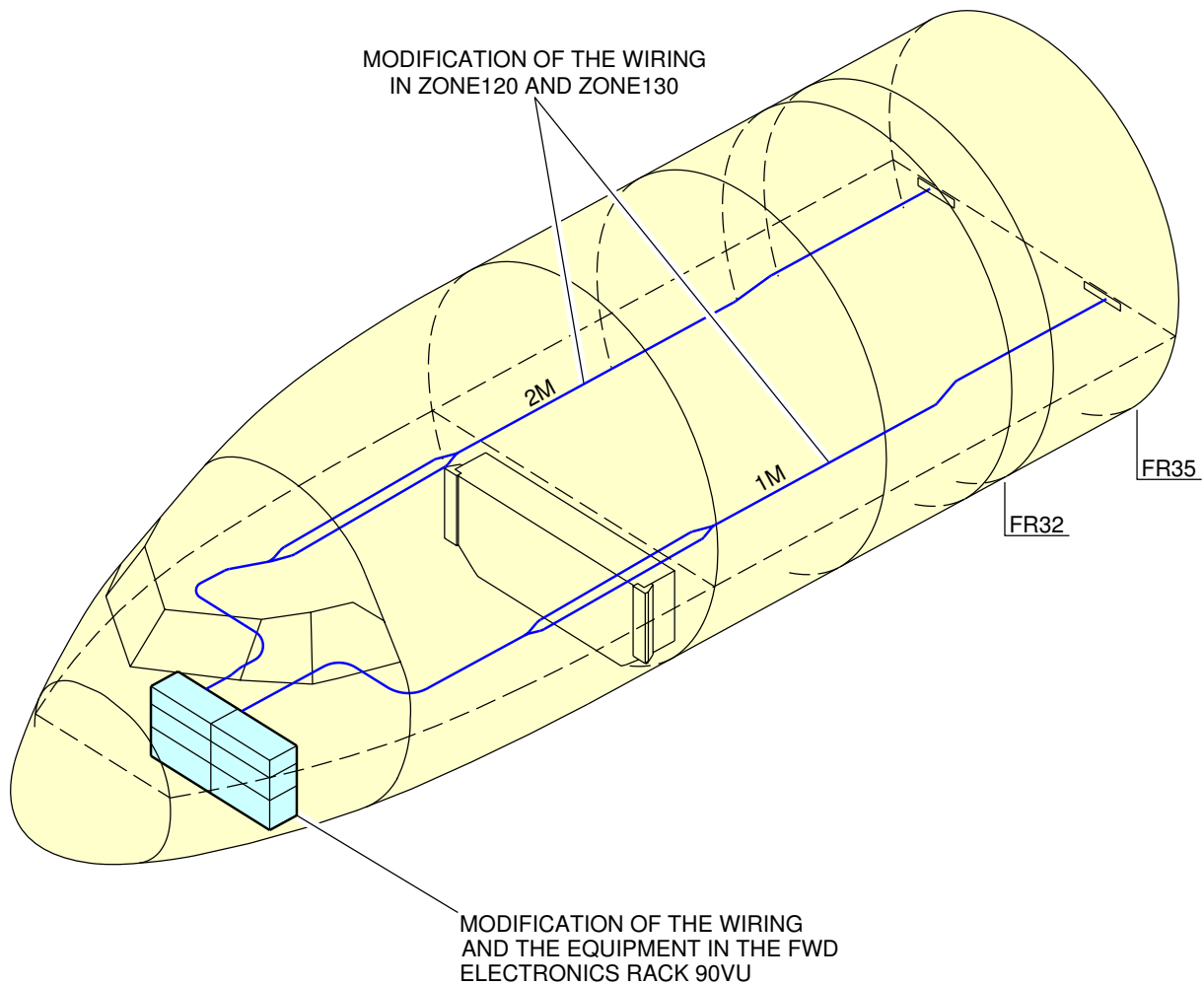
**\*\*CONF 003**

Task 211208-831-848-001: Modification	
TOTAL MANHOURS	25.00
ELAPSED TIME (HOURS)	20.50

**APPENDICES****\*\*CONF ALL**

Appendix 01 - Elapsed Time Assumptions

**\*\*CONF 001**

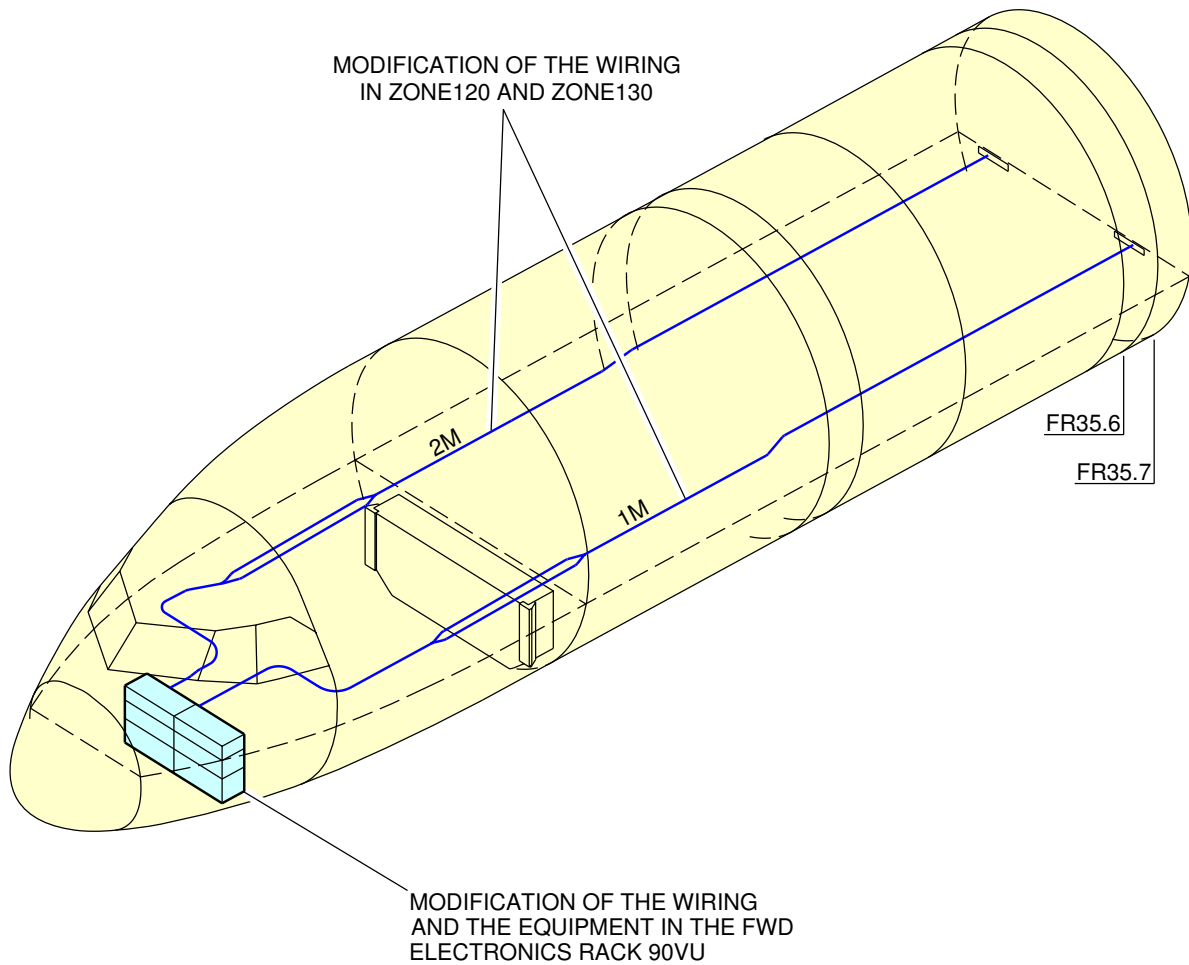


N\_SB\_211208\_5\_SAAA\_01\_00

Figure A-FSAAA - Sheet 01



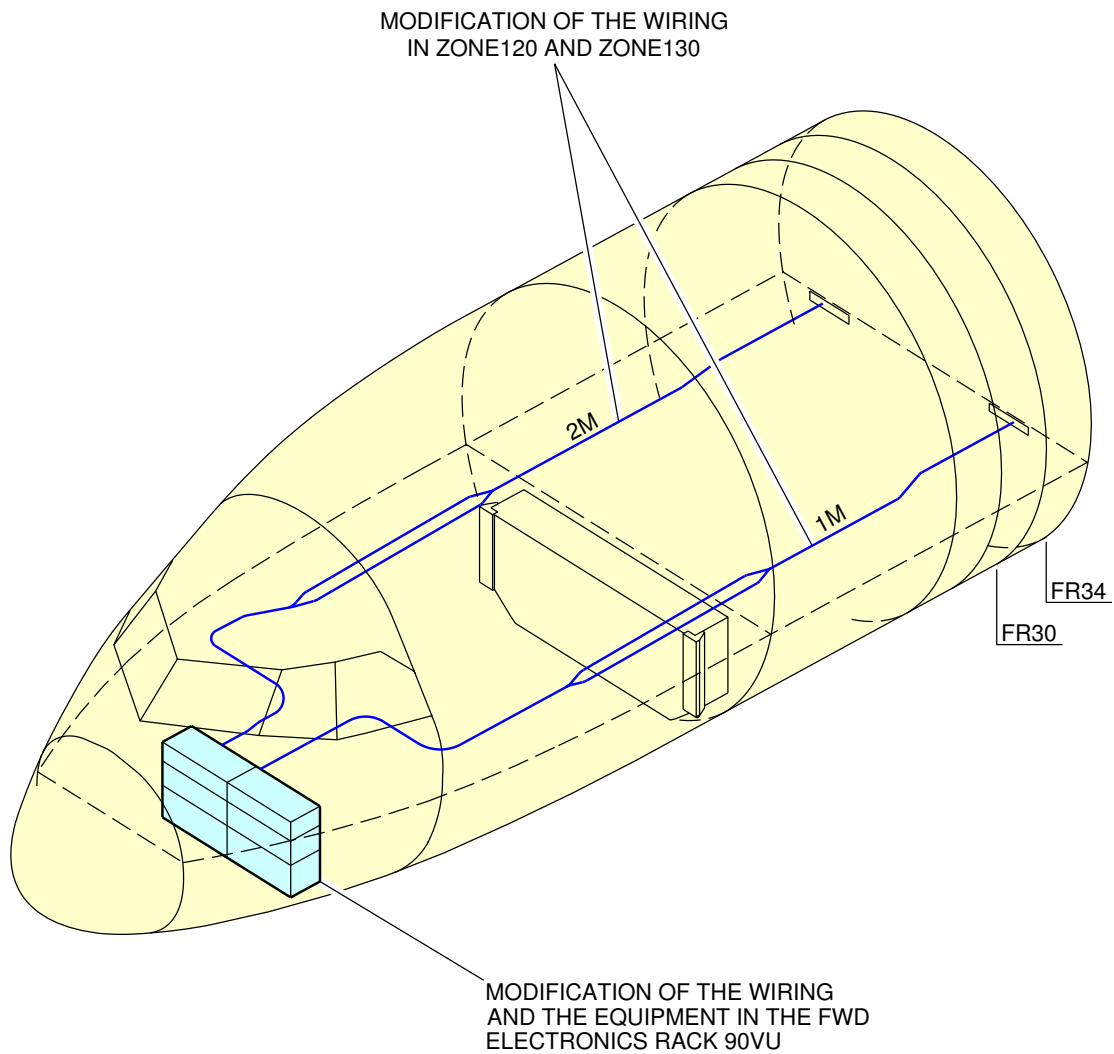
**\*\*CONF 002**



N\_SB\_211208\_5\_SAAB\_01\_00

Figure A-FSAAB - Sheet 01

**\*\*CONF 003**



N\_SB\_211208\_5\_SAAC\_01\_00

Figure A-FSAAC - Sheet 01

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

ATA SYSTEM: 21

**TITLE: AIR CONDITIONING - REMOVE INTERFERENCES BETWEEN ACSC  
AND LGCIU SIGNALS BY SHIELDING OF 47HH AND 57HH WIRE**

MODIFICATION No.: 153571K15409

This document contains AIRBUS PROPRIETARY INFORMATION and shall at all times remain the property of AIRBUS; no intellectual property right or licence is granted by AIRBUS in connection with any information contained in it. It is delivered on the express condition that said document and the information contained in it shall be treated as confidential, shall not be used for any purpose other than that for which it is hereby delivered. It shall not be disclosed in whole or in part to third parties and shall not be duplicated in any manner (except for the purposes of performing the tasks described hereunder and provided that any recipient of such document shall comply with the conditions herein), without AIRBUS prior written consent.

**1. PLANNING INFORMATION**

**\*\*CONF ALL**

**A. EFFECTIVITY**

This modification is embodied before delivery on aircraft with Manufacturer Serial Number (MSN) 5220 and subsequent for A320, on aircraft with MSN 5265 and subsequent for A321, on aircraft with MSN 5267 and subsequent for A319 and on aircraft with MSN 5478 and subsequent of A318.

(1) Models

319-111	319-112	319-115	319-131	319-132	319-133	320-214	320-216
320-232	320-233	321-211	321-212	321-213	321-231	321-232	

(2) Effectivity by MSN

2037 2043 2050 2053 2062 2119-2120 2129 2170 2176 2181 2184 2196 2213-2214  
2224 2228 2230 2245 2249 2251 2265 2268 2271 2277 2279 2281 2283 2289 2292  
2296 2299-2300 2306 2308 2319 2322 2326 2329 2335 2338 2346 2353-2355  
2360-2362 2366 2370 2375-2376 2378-2380 2383 2385 2387 2392 2395-2396 2398  
2400-2402 2404 2406 2412-2414 2417-2420 2423 2427 2431 2433-2434 2436  
2438-2444 2446 2448 2450 2452-2453 2455-2457 2460 2463 2465 2467-2471 2473  
2475-2477 2481 2483-2485 2487 2490 2492 2495-2497 2501-2503 2506 2511-2516  
2518-2519 2522 2524 2526-2529 2531 2537-2541 2545-2546 2548 2550-2551  
2553-2561 2564-2567 2569 2571-2574 2576 2578-2579 2581 2584-2588 2590  
2592-2593 2596 2598 2600 2602-2605 2607-2612 2614 2616-2617 2619-2626  
2628-2629 2631-2634 2636-2638 2642-2646 2648-2651 2653-2662 2664-2668 2670

2672-2681 2683-2685 2687-2689 2691-2709 2711-2721 2723-2724 2727-2749  
 2751-2754 2756-2780 2782-2801 2803-2809 2811-2813 2815-2831 2833-2847  
 2849-2870 2872-2879 2881-2899 2901-2909 2911-2917 2919-2930 2932-2944  
 2946-2950 2952-2954 2956-2966 2968-2969 2971 2973-2976 2978-2991 2993-3000  
 3002-3008 3010-3028 3031-3037 3040-3061 3063-3069 3071 3073-3090 3093-3099  
 3101-3105 3107-3109 3111-3118 3120-3149 3151-3162 3164-3189 3191-3213 3215  
 3217-3219 3221-3224 3226-3227 3229-3237 3239-3262 3264-3286 3288-3332  
 3334-3347 3349-3362 3364-3370 3372-3389 3391-3437 3439-3468 3470-3508  
 3510-3529 3531-3584 3586-3601 3603-3605 3607-3616 3618-3634 3636-3641  
 3643-3750 3752-3885 3887-3931 3933-3984 3986-4006 4008-4038 4040-4168  
 4170-4210 4212-4502 4504-4649 4651-4731 4733-4877 4879-5097 5099-5181  
 5183-5219 5227 5233 5235 5237 5239 5241 5244 5247 5251 5254 5256-5257 5261

### (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
08U	4151
15T	3164
16T	4679
17W	3046
27V	3826
31X	4319
35T	5040
39V	2460
46U	2906 2952 2982 3275 3296 3332 3674 3734 3986 4053 5218
54S	5261
55S	5156
55T	2224
62X	3402
69X	2214 2249 2522 2634
74T	4228 4768
80X	2748
83W	4024
89T	3356
91X	2837
95V	3379
95W	2949
96S	2176
97U	4842
AAF	2870 3852 4268 4589 4675
AAR	2808 2840 3244 3297 3437 3483 3496 3641 3873 4112 4142 5035 5169 5173
AAW	3224 3236 3615 3657 4004 4203 4330 4489 4521
AAY	2319

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

## SERVICE BULLETIN

OPERATOR	MSN
ABL	2943
ABQ	3364 3385 3388 3403 3974
ABY	3044 3218 3444 3476 3626 3802 3840 3925 4061 4243 4310 4468 4524 4568 4806 4848 4890 4958 5017 5143 5206
ADH	3138 3161 3328 3343 3502 3515 3532 3643 3666 3695
ADR	4282 4301
AEE	2468 3033 3066 3074 3162 3365 3392 3423 3439 3462 3478 3526 3527 3709 3714 3745 3753 3773 3785 3820 3829 3850 3878 3990 4065 4094 4165
AFL	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 4453 4461 4498 4500 4579 4625 4649 4656 4684 4692 4712 4835 5044 5059
AFR	2456 2705 2716 2721 2938 2961 3008 3051 3098 3372 3399 3401 3419 3420 3441 3470 3777 3795 3814 3825 3859 3884 3930 4063 4084 4105 4137 4139 4241 4251 4267 4295 4298 4335 4402 4601 4604 4664 4714 4747 4800 4820 4901 4908 5084 5129
AHY	2487 2516 2588 2685 2788 2846 2853 2865 2991 3006
AIJ	2539 3021 3123 3149 3160 3286 3304 3312 3374 3508 3514 3667 3690 4235 4304 4411 4730 4733 4924 4933 5163
ALK	2564 2584 2908 4694 4869 4915 5086
AMC	2665 2768 3056 3068
ANA	3189
ANZ	4553 4584 4884 4926
APJ	4887 4936 5015 5166
AVA	2662 3408 3467 3518 3647 3664 3691 3961 3980 3988 3992 4001 4011 4026 4046 4051 4100 4167 4175 4200 4281 4284 4345 4381 4487 4567 4599 4763 4789 4821 4862 4939 5057 5119 5195
AWW	2457
AXM	2612 2633 2656 2683 2699 2760 2816 2826 2842 2881 2885 2926 2944 2956 2989 3000 3018 3064 3117 3140 3154 3173 3182 3194 3201 3223 3232 3261 3277 3291 3299 3327 3338 3353 3370 3394 3404 3427 3448 3477 3486 3489 3505 3521 3536 3549 3568 3576 3582 3610 3628 3648 3679 3701 3715 3729 3765 3776 3813 3875 3963 3997 4019 4035 4070 4079 4088 4098 4126 4147 4263 4278 4293 4302 4333 4346 4361 4367 4386 4390 4404 4426 4458 4462 4477 4486 4557 4571 4582 4793 4797 4807 4882 4889 4917 4964 4969 4979 4980 4989 5137 5149 5153 5165 5200 5215
AZA	2869 2932 3076 3079 3080 3115 3178 3213 3295 3362 3412 3464 3482 3563 3598 3609 3732 3815 3831 3846 3885 3906 3921 3956 3976 3978 4075 4108 4119 4143 4152 4195 4249 4520 4523 4536 4759 4764 4859 4875 4910 5018 5130
BAB	2700 2763 4055 4600
BAL	2335 3492
BAW	2441 2653 2694 2697 2720 2799 2981 3049 3081 3235 3254 3290 3301 3314 3351 3468 3499 3512 3550 3607 3649 3697 3703 3721 3726 3912 3926 4185 4238 4265 4306 4464 4551 4725 4791 4975
BEC	3199

## SERVICE BULLETIN

OPERATOR	MSN
BEL	2196 2230 2392 2400 3255 3790 4275
BER	2619 3093 3121 3242 3289 3516 3708 3749 3865 3945 4013 4101 4161 4269 4291 4329 4334 4433 4510 4565 4606 4674 4728 4743 4988 5038 5126 5133 5191
BGF	3188
BGH	2844 2863 3139
BGY	2645
BHP	2968 3055 3245 3422 3604 4033 4187 4294 4631
BIE	2707
BJN	4956
BKP	2417 2531 2648 2660 3421 3424 3454 3694 3759 3911
C2C	5088
CBJ	4388 4428
CCA	2545 2551 2559 2614 2643 2805 2819 2839 2847 2890 3195 3200 3215 3221 3226 3250 3307 3329 3337 3461 3506 3523 3601 3623 3653 3655 3665 3678 3722 3725 3766 3806 3940 3973 4022 4031 4062 4091 4131 4180 4221 4283 4317 4318 4348 4377 4472 4473 4494 4538 4566 4593 4617 4719 4771 4775 4803 4829 4834 4873 4895 4900 4949 4963 4985 4997 5014 5032 5054 5091 5124 5174 5199
CCM	3882 3952 4463 4478
CEB	2556 2586 2625 2638 2786 2790 2821 2831 2852 2876 2994 3048 3272 3433 3472 3487 3646 3762 3767 4447 4508 4537 4574 4852 4861 4870 4927 4993 5045 5067
CEF	2801 3085
CES	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 3969 4027 4037 4043 4045 4111 4144 4186 4198 4209 4220 4239 4240 4252 4297 4309 4340 4342 4355 4374 4423 4627 4638 4659 4685 4702 4709 4711 4718 4722 4723 4729 4746 4748 4765 4769 4776 4799 4831 4844 4857 4877 4886 4903 4938 4946 4967 4987 5047 5048 5053 5063 5135 5136 5144 5192 5210 5227
CHH	2557 2561 2581 2611 2617 2644 2733 2746 2849 2891 2985 3285 3520 3548 3561 3578 3580 3638 3768 3842 3849 3851 3914 3958 3982 4042 4262 4410 4412 4440 4452 4471 4482 4483 4505 4513 4522 4529 4540 4569 4580 4602 4644 4677 4686 4687 4739 4825 4995 5006 5100 5105 5117 5172 5185 5216
CQH	2939 3014 3023 3747 3819 4072 4093 4168 4244 4331 4366 4373 4375 4499 4586 4738 4750 4760 4809 4816 4909 4978 4983 5022 5051 5108
CQN	3836 3876 3901 3903 3941
CRK	4970 5008 5072 5114 5147 5189
CSA	2719 2758 2789 3031 3043 3060 3094 3097 3406 3436 3452 3660 3892 4258 4713
CSC	2396 2431 3114 3116 3124 3158 3167 3196 3210 3386 3449 3583 3591 3680 3730 3893 3962 3996 4018 4068 4288 4326 4378 4420 4424 4525 4575 4619 4642 4660 4707 4731 4824 4830 4856 4905 4911 4923 5041 5121 5141 5160 5197 5208 5233

OPERATOR	MSN
CSN	2354 2361 2484 2506 2511 2519 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 3910 3920 3934 3938 3951 3959 3981 3983 3999 4003 4017 4036 4038 4071 4140 4172 4184 4189 4194 4205 4217 4224 4225 4230 4232 4248 4260 4266 4271 4274 4279 4290 4292 4299 4322 4325 4338 4341 4350 4362 4365 4369 4370 4387 4396 4416 4430 4456 4507 4550 4613 4671 4696 4751 4782 4794 4808 4836 4854 4864 4880 4883 4912 4919 4928 4982 5061 5151 5168 5170 5183 5202 5214 5237
CSZ	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 4208 4214 4226 4300 4359 4407 4409 4435 4474 4514 4531 4620 4633 4666 4726 4845 4866 4876 4897 4920 4929 4977 4986 5002 5082 5110 5176
CUA	5023
CYP	2383 2718 2730 2793 4197
DCS	3243 3513 3632
DKH	2879 2913 2975 3027 3234 3268 3368 3485 3596 3605 3967 3984 4064 4102 4154 4276 4401 4429 4573 4587 4652 4833 4840 4981 5013 5070 5071 5131
DLH	3265 3339 3360 3387 3434 3592 3625 3864 3936 3987 4005 4016 4047 4054 4073 4085 4097 4120 4141 4153 4182 4191 4261 4289 4324 4332 4360 4363 4398 4449 4455 4511 4545 4560 4585 4607 4626 4672 4710 4753 4792 4796 4819 4841 4881 4916 4976 4994 5028 5049 5087 5122 5181 5186 5203 5239
DNV	3065
DRK	2306 2346 3950
EIN	3129 3136 3169 3318 3345 3377 3501 3755 3781 3857 4572 4634 4678 4715
ETD	3004 3050 3676 3693 3713 3902 4066 4077 4124 4934 5095
EZD	2576 3621 4533

# SERVICE BULLETIN

OPERATOR	MSN
EZY	2037 2043 2050 2053 2062 2120 2170 2181 2184 2245 2265 2271 2289 2300 2353 2360 2370 2378 2380 2385 2387 2398 2402 2412 2420 2427 2436 2450 2463 2471 2477 2481 2492 2495 2503 2512 2514 2527 2528 2538 2565 2578 2605 2636 2646 2677 2681 2691 2702 2709 2715 2727 2729 2735 2742 2744 2754 2765 2769 2777 2779 2782 2795 2803 2812 2818 2827 2829 2854 2860 2866 2873 2884 2923 2946 2959 3003 3036 3041 3053 3059 3061 3082 3084 3088 3090 3118 3122 3134 3137 3176 3184 3411 3413 3426 3432 3442 3466 3537 3544 3555 3569 3571 3608 3634 3675 3683 3702 3720 3735 3742 3746 3754 3763 3774 3788 3799 3805 3808 3810 3824 3843 3844 3845 3854 3871 3888 3909 3913 3922 3946 3953 3975 3979 3991 4006 4012 4014 4034 4040 4048 4056 4069 4076 4080 4087 4125 4129 4132 4157 4179 4196 4219 4233 4234 4250 4286 4313 4327 4380 4385 4418 4425 4427 4437 4444 4451 4554 4556 4588 4591 4624 4635 4636 4640 4646 4667 4676 4680 4693 4705 4708 4717 4721 4740 4744 4749 4778 4781 4785 4787 4837 5019 5020 5046 5052 5056 5064 5104 5111 5113 5116 5138 5146 5150 5187 5201
FFT	2406 2448 2483 2518 2751 2806 2836 2857 3389 3431 4127 4204 4253 4254 4272 4307 4562 4641 4668 4688 4704 4727 4745
FGE	3834
FHY	2524 2804 4207 4658 5096
FLI	5079
GAF	3897 4060
GAP	4415 4475 4504 4512 4777 4907 4984 5007 5012 5103
GFA	4030 4059 4083 4146 4158 4188 4218 4255 4502 4541 4780 4827 4860 4865 5025 5074 5171 5175 5180 5257
GIA	2598 2692 3147 3148 3861 4961
GLG	4379 4547
GMI	3019 3202 3407 3589 3818 5085
GMQ	4663 4691
GOW	3256 3306 3597 3616 3798 3827 3900 3915 4399 4438 5016 5112
GWI	2607 2628 2632 2813 2833 2976 3011 3128 3172 3193 3352 3358 3375 3500 3534 3839 3841 4166 4227 4256 4285 4998 5043
HAY	2745 3533 3560
HCC	4699
HDA	4023 4247 5024 5030
HKJ	2706 3073
HVN	2974 3005 3013 3022 3198 3315 3355 3600 3737 3862 3964 3966 4136 4213 4277 4311 4315 4669 4703 4737 4783 4826 4863 4945 4971 5164 5241 5247 5251
I2L	3120
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 4201 4212 4236 4237 4280
IAW	4044 4067 5115
IBE	2736 2756 2776 2843 2889 2897 2996 3054 3078 3102 3179 3209 3320 3380 3443 3651 3744



# SERVICE BULLETIN

OPERATOR	MSN
IBS	2807
IGO	2958 2990 3086 3159 3192 3227 3335 3357 3414 3453 3457 3497 3541 3618 3782 3863 3943 4008 4113 4156 4216 4312 4328 4384 4481 4488 4506 4518 4535 4552 4603 4609 4614 4630 4637 4752 4757 4762 4813 4818 4868 4888 4947 4954 4965 5027 5036 5076 5080 5090 5092 5094 5155 5190
ISR	4354 4413
IWD	3758 3868 3889 3933 4735
IYE	4653 4690
JBU	3381 3416 3451 3479 3488 3517 3554 3572 3622 3659 3707 3724 3760 3800 3811 4578 4612 4647 4904 5060 5142 5148
JJP	5093 5145 5161
JSA	2395 2401 2423 2453 2604 4443 4515 4772 4786 4872 4914
JST	2292 2299 2322 2329 2338 2455 2475 2515 2526 2537 2573 2587 2600 2608 2642 2651 2703 2717 2766 2787 3474 3495 3547 3668 3717 3743 3783 3899 3916 3917 3948 4177 4178 4229 4245 4257 4303 4343 4356 4434 4460 4466 4495 4497 4527 4899 4922 5039 5211
JZR	2569 2792 2822 3919 3939 4162 5033
KAC	3957
KFR	2366 2376 2443 2621 2650 2664 2817 2856 2874 2916 2919 2922 2933 3012 3089 3105 3270 3302 3322
KKK	2747 2753
KNE	3361 3396 3425 3475 3787 3817 3894
KZR	2828 2987 3141 3484 3519 3614
LAA	4405 4450 4490 4526
LAN	2572 2585 2845 2858 2864 2872 2886 2887 2892 2894 3264 3280 3319 3330 3535 3556 3663 3671 3770 3772 3779 4383 4400 4439 4476 4509 4516 4543 4546 4549 4563 4576 4597 4598 4605 4657 4697 4758 4767 4815 4839 4871 4892 4896 4921 4943 4972 5005 5097 5125 5178 5213
LAO	4596 4639
LBT	3480 4623
LBY	2277
LLM	2413 2419 2439
LZB	2540 2596 3028 3309 3564 3780
MAC	3809 3833 4539
MDL	4918 4973 5073
MEA	3736 3804 3837 4296 4339 4632 5000 5152 5162
MJF	4353
MJN	3723 4117 4795
MLM	2592 4199 4470 4622
MLR	2731
MON	3546 3575
MSC	2937 2966 3282 3323
NIA	3183 3219

# SERVICE BULLETIN

OPERATOR	MSN
NKS	2433 2470 2473 2476 2485 2490 2560 2567 2590 2603 2622 2673 2679 2698 2704 2711 2723 2797 2893 2898 2929 2942 2963 2978 2983 3007 3017 3026 3165 3393 3395 4206 4264 4321 4431 4548 4592 4595 4902 4951 4996 5029 5042 5132 5159
NLV	2496 2502
NLY	2529 2668 2749 2867 2902 3415 3447 3504 3661 3689 3728 3830 4231 4316 4368 4581 4594 4611 4648
NMA	2676
NMB	3346 3586
NWS	2927 3034
OAL	3316 3748 3812 3895 3905
OHY	2571 2688
ONE	4222 4287 4336 4891 4913 4941 4942 5193
ORF	2566 4992
PAL	2878 2925 2954 3087 3107 3108 3187 3205 3273 3310 3455 3553 3579 3652 3731 5081 5140
PIC	2670 4459
PVJ	3542
QAF	3994 4114 4170
QTR	3071 3274 3369 3397 3636 3669 4110 4130 4173 4183 4382 4406 4436 4479 4496 4530 4615 4700 4754 4784 4802 4810 4858 4930 4968 5010 5078 5127 5217
RBG	2764 3152 3246
RJA	2649 2953 3428 3522 3685 3803 3832 4670 4817 4853 5099 5128 5177
RKM	3907
RLU	2442 2446
RYW	3458
RZO	3891
SAA	2268 2281 2308 2326 2355 2375 2379 2418 2438 2469 2501 4990 5011
SAS	2850 2883 2888 2911 3231 3292
SBI	2279 2623 3446 3473 3490 3494 3866 3880 4032 4150 5001 5026 5031 5106 5134 5167
SDM	2465 2497 2930 2964
SFJ	2620 2658 2695 3025 4555 4720 5102
SKU	2119 2129 2251 2283 2548
SLK	2775 3104 3570 3821 4118 4215 4259 4457 4701 5050 5089
SMX	2995
SRQ	3757 3801 5188 5194
SUD	3040
SVA	4015 4057 4081 4090 4092 4104 4115 4122 4135 4273 4314 4337 4349 4357 4364 4376 4391 4392 4393 4394 4397 4408 4414 4419 4432 4442 4454 4467 4484 4501 4517 4519 4542 4564 4577 4590 4811 4823 4838 4925 4955 4962 5009 5065
SVR	2998 3099
SVW	2921 3133 3856

# SERVICE BULLETIN

OPERATOR	MSN
SWR	4534 4618 4673 5037 5069
SYA	3853 3872
TAE	2659
TAI	2434 2444 2553 2610 2687 2791 2862 2917 3042 3057 3103 3113 3248 3276 3378 3418 3510 3538 3577 3581 3869 4906 4944 5068 5219
TAK	3171 3331
TAM	2467 2513 2602 2661 2734 2737 2783 2784 2838 2859 2896 2904 2924 3002 3032 3035 3047 3058 3111 3156 3180 3211 3222 3229 3240 3266 3278 3284 3294 3313 3325 3391 3540 3565 3588 3594 3595 3630 3658 3662 3710 3727 3733 3750 3761 3816 3908 3972 4000 4163 4171 4192 4320 4352 4358 4389 4441 4446 4465 4544 4570 4662 4734 4756 4773 4953 4974 5066 5101 5107 5109 5184 5209
TAP	3769 3883 4021 4095 4106 4145
TAR	3096 4344 4689 5204
TBA	4766 4801 4846 5157 5256
TCW	2362
TGW	2724 2728 4181 4210 4421 4445 4469 4491 4493 4532 4561 4608 4645 4804 4812 4874 4879 4931 5120
THA	5198
THY	2404 2414 2452 2609 2626 2631 2655 2738 2739 2823 2868 2928 2934 2941 2984 2999 3010 3015 3126 3142 3185 3207 3208 3239 3257 3259 3283 3303 3308 3341 3350 3382 3405 3429 3525 3539 3558 3567 3603 3637 3654 3673 3688 3718 3719 3738 3896 3931 3949 4629 4643 4654 4665 4682 4695 4698 4706 4755 4761 4774 4779 4788 4790 5077 5083 5118 5154 5205 5254
TNA	2914 5055
TWJ	2550
UAE	4822
UEA	2654 2696 2762 2774 2820 2835 3024 3706 4347 5003
UKN	3260
UNA	4583
USA	3584 3629 3633 3712 3740 3796 3858 3879 3881 3924 3928 3944 3960 3977 3989 3993 4025 4041 4050 4082 4086 4107 4123 4134 4149 4202 4242 4843 4847 4850 4885 4893 4898 4932 4935 4940 4957 4960 4966 5235 5244
UZB	4371 4395 4417 4485 4492 4528 4651 4724 4770 4952
VIM	2732 3125 4270 4305 5158
VJC	2712 3739 3791 4049 4190 4193
VLG	2678 2761 2785 2794 2798 2962 2988 3083 3095 3109 3145 3151 3174 3203 3237 3293 3321 3376 3400 3529 3700 3704 3995 4128 4661 4681 4742 4849 4855 4937
VOI	2296 2657 2666 2771 2780 2979 2997 3045 3069 3077 3175 3252 3253 3279 3317 3450 3463 3491 3524 3543 3590 3624 3672 3705 4403 4422 4741 4798 4828 4832 4950 5062 5207 5212

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

## SERVICE BULLETIN

OPERATOR	MSN
VRD	2616 2674 2740 2773 2778 2800 2811 2830 2851 2993 3016 3037 3101 3135 3155 3181 3204 3230 3324 3347 3349 3359 3398 3417 3445 3460 3465 3503 3656 3670 3684 3686 4448 4480 4558 4559 4610 4616 4655 4805 4814 4851 4867 4894 4948 4959 4991 4999 5004 5034 5058 5179
VRE	2213 2228
WAU	3531 3741
WHT	2440 2675
WZZ	2752 3127 3143 3166 3177 3354 3384 3409 3430 3562 3771 3807 3877 3927 3947 3968 4109 4174 4223 4246 4308 4323 4351 4372 4621 4628 4683 4716 4736 5021 5075 5123 5139 5196

### (4) Configuration by MSN

MSN	CONFIGURATION
2037 2043 2050 2053 2062 2119 2120 2129 2170 2176 2181 2184 2196 2213 2214 2224 2228 2230 2245 2249 2251 2265 2268 2271 2277 2279 2281 2283 2289 2296 2300 2306 2308 2319 2326 2335 2346 2353 2355 2360 2362 2370 2375 2378 2379 2380 2383 2385 2387 2392 2396 2398 2400 2402 2404 2406 2412 2414 2418 2420 2427 2431 2433 2436 2438 2440 2442 2444 2446 2448 2450 2452 2456 2460 2463 2465 2467 2468 2469 2470 2471 2473 2477 2481 2483 2485 2487 2490 2492 2495 2497 2501 2503 2512 2514 2516 2518 2519 2527 2528 2538 2541 2545 2546 2548 2550 2551 2554 2555 2556 2557 2558 2559 2560 2561 2565 2567 2572 2574 2578 2579 2581 2585 2586 2588 2592 2593 2603 2605 2607 2611 2614 2617 2621 2622 2624 2625 2628 2629 2631 2632 2634 2636 2638 2643 2644 2646 2648 2650 2655 2657 2659 2660 2662 2664 2666 2667 2672 2673 2675 2677 2679 2681 2684 2691 2693 2694 2697 2698 2700 2702 2704 2706 2709 2711 2715 2716 2718 2720 2723 2727 2729 2733 2735 2738 2739 2742 2744 2746 2748 2751 2754 2757 2762 2763 2765 2769 2771 2773 2774 2777 2779 2780 2782 2784 2786 2788 2790 2795 2797 2801 2803 2805 2806 2811 2812 2813 2815 2818 2819 2821 2825 2827 2829 2831 2833 2836 2837 2839 2841 2843 2845 2847 2849 2850 2852 2854 2857 2858 2860 2864 2866 2870 2872 2873 2876 2878 2879 2884 2886 2887 2888 2889 2890 2891 2892 2893 2894 2897 2898 2901 2905 2907 2913 2921 2923 2925 2929 2935 2938 2940 2942 2946 2948 2949 2954 2959 2961 2963 2969 2976 2978 2979 2981 2983 2985 2997 3003 3007 3011 3017 3019 3020 3024 3026 3028 3032 3036 3041 3043 3045 3046 3049 3053 3054 3057 3059 3061 3065 3069 3073 3077 3078 3082 3084 3085 3088 3090 3094 3096 3102 3104 3108 3114 3116 3118 3122 3124 3128 3133 3134 3137 3139 3142 3144 3165 3168 3169 3171 3172 3175 3176 3179 3181 3184 3186 3188 3193 3195 3200 3202 3204 3209 3226 3231 3243 3245 3248 3250 3252 3253 3255 3258 3260 3269 3271 3276 3279 3281 3285 3288 3292 3298 3300 3305 3309 3311 3317 3320 3324 3331 3336 3342 3344 3346 3347 3352 3356 3358 3364 3375 3377 3380 3385 3388 3393 3395 3403 3406 3407 3411 3413 3415 3417 3421 3424 3426 3428 3432 3436 3442 3443 3445 3447 3450 3452 3454 3463 3466 3467 3491 3500 3513 3518 3520 3533 3534 3537 3542 3544 3548 3551 3555 3560 3561 3564 3569 3571 3578 3580 3586 3588 3589 3590 3595 3604 3608 3614 3615 3620 3632 3634 3638 3647 3651 3657 3660 3661 3663 3671 3675 3680 3683 3684 3685 3686 3687 3689 3691 3694 3700 3702 3704 3705 3710 3720 3727 3728 3733 3735 3742 3744 3746 3754 3757 3759 3763 3768 3770 3772 3774 3779 3788 3790 3794 3799 3801 3803 3808 3810 3818 3822 3824 3826 3828 3832 3834 3836 3838 3839 3841 3842 3844 3845 3849 3851 3853 3854 3856 3860 3865 3872 3874 3876 3888 3890 3892 3895 3897 3901 3903 3905 3911 3914 3918 3942 3950 3957 3958	003

MSN	CONFIGURATION
3962 3970 3982 3983 3994 3998 4000 4004 4018 4020 4024 4029 4036 4038 4040 4042 4048 4052 4056 4060 4069 4071 4076 4080 4087 4089 4114 4121 4125 4127 4129 4132 4141 4151 4163 4164 4166 4171 4182 4192 4200 4204 4215 4222 4227 4228 4254 4256 4258 4259 4262 4268 4275 4282 4285 4287 4301 4313 4319 4327 4332 4336 4353 4380 4385 4389 4403 4410 4418 4422 4425 4427 4428 4437 4444 4451 4452 4455 4470 4511 4522 4529 4563 4583 4598 4605 4622 4624 4629 4635 4640 4660 4663 4665 4667 4679 4691 4693 4695 4705 4713 4717 4734 4744 4755 4756 4759 4764 4766 4768 4773 4774 4778 4781 4785 4787 4790 4796 4801 4822 4837 4841 4842 4846 4859 4871 4875 4910 4956 4992 4995 4998 5005 5018 5023 5040 5043 5057 5079 5085 5088 5097 5105 5119 5130 5157 5193 5208 5219 5239 5256 5261	003

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

## SERVICE BULLETIN

MSN	CONFIGURATION
2292 2299 2322 2329 2338 2354 2361 2366 2376 2395 2401 2413 2417 2419 2423 2434 2439 2441 2443 2453 2455 2457 2475 2484 2496 2502 2506 2511 2513 2515 2522 2524 2526 2529 2531 2537 2539 2540 2564 2566 2569 2571 2573 2576 2584 2587 2596 2598 2600 2602 2604 2608 2609 2612 2616 2619 2620 2623 2626 2633 2637 2642 2645 2649 2651 2654 2656 2658 2661 2665 2668 2670 2674 2676 2678 2680 2683 2685 2688 2689 2692 2695 2696 2699 2701 2703 2705 2708 2712 2714 2717 2719 2721 2724 2728 2731 2732 2734 2737 2740 2743 2745 2747 2749 2752 2753 2758 2760 2761 2764 2766 2768 2770 2772 2775 2776 2778 2783 2785 2787 2789 2791 2792 2794 2796 2798 2800 2804 2807 2808 2816 2817 2820 2822 2824 2826 2828 2830 2834 2835 2838 2840 2842 2844 2846 2851 2853 2855 2856 2859 2861 2863 2865 2867 2869 2874 2875 2877 2881 2883 2885 2896 2899 2902 2904 2906 2908 2909 2911 2914 2915 2917 2920 2922 2924 2926 2928 2930 2932 2934 2937 2939 2941 2943 2944 2947 2950 2952 2953 2956 2958 2960 2962 2964 2966 2968 2973 2975 2980 2982 2984 2986 2987 2988 2989 2990 2991 2993 2994 2995 2998 3000 3002 3004 3006 3008 3010 3012 3014 3016 3018 3021 3023 3025 3027 3031 3033 3035 3037 3040 3042 3044 3047 3048 3050 3052 3055 3056 3058 3060 3063 3064 3066 3068 3071 3074 3076 3079 3080 3083 3086 3087 3089 3093 3095 3097 3099 3101 3103 3105 3107 3109 3111 3113 3115 3117 3121 3123 3125 3127 3129 3131 3132 3135 3136 3138 3140 3141 3143 3145 3147 3148 3149 3151 3152 3153 3154 3155 3156 3157 3158 3159 3160 3161 3162 3164 3166 3167 3170 3173 3174 3177 3178 3180 3182 3183 3185 3187 3189 3192 3194 3196 3197 3199 3201 3203 3205 3206 3208 3210 3211 3213 3215 3218 3219 3221 3223 3224 3227 3230 3232 3234 3236 3237 3239 3240 3242 3244 3246 3256 3257 3259 3261 3264 3266 3268 3270 3272 3273 3275 3277 3278 3280 3282 3284 3286 3289 3291 3293 3295 3296 3299 3301 3303 3304 3306 3308 3310 3312 3313 3314 3316 3318 3319 3321 3323 3325 3327 3328 3330 3332 3335 3337 3338 3341 3343 3345 3349 3351 3353 3354 3357 3359 3361 3362 3365 3366 3368 3370 3373 3374 3376 3378 3379 3381 3383 3384 3386 3389 3391 3392 3394 3396 3398 3400 3402 3404 3408 3409 3410 3412 3414 3416 3418 3420 3422 3423 3425 3427 3430 3431 3433 3435 3437 3439 3440 3444 3446 3448 3449 3451 3453 3455 3456 3457 3460 3461 3464 3465 3468 3470 3472 3473 3474 3475 3476 3477 3478 3479 3480 3481 3482 3483 3484 3485 3486 3487 3488 3489 3490 3492 3494 3495 3496 3497 3499 3501 3502 3503 3505 3506 3508 3510 3511 3514 3515 3516 3517 3519 3521 3524 3526 3528 3529 3531 3532 3535 3536 3538 3540 3541 3543 3545 3547 3549 3550 3553 3554 3556 3558 3559 3562 3563 3565 3567 3568 3570 3572 3574 3576 3577 3579 3581 3582 3591 3594 3596 3597 3598 3599 3601 3603 3605 3607 3609 3610 3611 3613 3616 3618 3621 3622 3624 3626 3627 3628 3630 3631 3640 3641 3643 3644 3646 3648 3649 3650 3652 3654 3656 3658 3659	001

## SERVICE BULLETIN

MSN	CONFIGURATION
3662 3664 3666 3667 3668 3670 3672 3674 3676 3677 3679 3690 3692 3693 3695 3696 3697 3698 3699 3701 3703 3706 3707 3709 3711 3713 3714 3715 3716 3718 3719 3721 3723 3724 3726 3729 3731 3732 3734 3736 3739 3741 3743 3745 3747 3748 3750 3753 3755 3756 3758 3760 3762 3765 3767 3769 3771 3773 3775 3776 3777 3778 3780 3781 3782 3783 3785 3786 3787 3789 3791 3793 3795 3797 3798 3800 3802 3804 3805 3807 3809 3811 3812 3813 3815 3817 3819 3821 3823 3825 3827 3829 3831 3833 3835 3837 3840 3843 3846 3848 3850 3852 3855 3857 3859 3861 3863 3866 3868 3870 3871 3873 3875 3877 3880 3882 3883 3885 3887 3889 3891 3894 3896 3898 3900 3902 3904 3906 3907 3908 3909 3910 3912 3913 3915 3917 3919 3921 3922 3923 3925 3927 3929 3931 3933 3935 3937 3939 3941 3943 3945 3946 3947 3949 3952 3953 3954 3956 3959 3961 3963 3965 3967 3968 3971 3972 3974 3975 3976 3978 3979 3980 3984 3986 3988 3990 3991 3992 3995 3997 3999 4001 4003 4006 4008 4010 4011 4012 4013 4014 4015 4017 4019 4021 4023 4026 4027 4028 4030 4032 4033 4034 4035 4037 4043 4046 4049 4051 4053 4055 4057 4059 4061 4063 4064 4065 4066 4068 4070 4072 4075 4077 4079 4081 4083 4084 4086 4088 4090 4092 4093 4094 4095 4097 4098 4100 4101 4102 4104 4105 4106 4108 4109 4110 4111 4113 4115 4117 4118 4119 4120 4122 4124 4126 4128 4130 4133 4135 4137 4139 4140 4143 4144 4145 4146 4147 4149 4150 4152 4153 4154 4156 4157 4158 4159 4160 4161 4162 4165 4167 4168 4170 4172 4174 4175 4176 4177 4178 4179 4181 4183 4185 4186 4187 4188 4190 4191 4193 4195 4196 4197 4199 4201 4202 4203 4205 4206 4207 4208 4210 4212 4214 4216 4218 4219 4220 4223 4225 4226 4229 4231 4232 4233 4234 4235 4236 4237 4238 4239 4240 4241 4242 4243 4244 4245 4246 4247 4248 4249 4250 4252 4253 4255 4257 4260 4261 4263 4264 4265 4267 4269 4270 4272 4273 4276 4278 4279 4281 4284 4286 4288 4289 4290 4291 4293 4294 4295 4296 4297 4298 4300 4302 4303 4304 4305 4306 4307 4308 4309 4310 4312 4314 4316 4317 4320 4321 4322 4323 4324 4325 4326 4328 4329 4330 4331 4333 4335 4337 4339 4340 4342 4343 4344 4345 4346 4347 4348 4349 4350 4351 4354 4355 4356 4357 4359 4361 4362 4363 4364 4365 4366 4367 4368 4370 4371 4372 4373 4375 4376 4378 4379 4381 4383 4384 4386 4388 4390 4391 4392 4393 4394 4395 4396 4397 4398 4399 4400 4401 4402 4404 4405 4407 4408 4409 4411 4412 4413 4414 4415 4417 4419 4421 4423 4424 4426 4429 4431 4432 4433 4434 4435 4436 4438 4439 4440 4441 4442 4443 4445 4446 4447 4448 4449 4450 4453 4454 4456 4457 4458 4459 4460 4462 4463 4464 4465 4466 4468 4469 4471 4473 4474 4475 4476 4477 4478 4479 4480 4481 4482 4483 4484 4485 4486 4487 4488 4489 4490 4491 4492 4493 4495 4496 4497 4498 4499 4501 4502 4504 4505 4506 4507 4508 4509 4510 4512 4513 4514 4515 4516 4517 4518 4519 4520 4521 4523 4524 4525 4526 4527 4528 4531 4532 4533 4535 4536 4537 4539 4540 4541 4543 4544	001



## SERVICE BULLETIN

MSN	CONFIGURATION
4546 4547 4548 4549 4550 4551 4552 4553 4554 4555 4556 4557 4558 4559 4561 4562 4564 4565 4566 4567 4568 4569 4571 4572 4573 4574 4575 4576 4578 4579 4580 4581 4582 4584 4586 4587 4588 4589 4591 4592 4593 4594 4595 4596 4597 4599 4600 4601 4602 4603 4604 4606 4608 4609 4610 4612 4613 4614 4615 4616 4618 4619 4620 4621 4623 4625 4627 4628 4630 4631 4632 4633 4634 4636 4637 4639 4641 4642 4644 4645 4646 4647 4649 4651 4652 4653 4655 4656 4657 4658 4659 4661 4664 4666 4668 4670 4671 4673 4674 4675 4676 4677 4678 4680 4681 4683 4684 4685 4686 4687 4688 4689 4690 4692 4694 4696 4697 4699 4700 4701 4702 4704 4707 4708 4709 4711 4712 4714 4715 4716 4718 4720 4721 4722 4723 4724 4725 4726 4727 4729 4730 4733 4735 4736 4738 4739 4740 4741 4742 4743 4745 4747 4748 4749 4750 4751 4752 4754 4757 4758 4760 4762 4763 4765 4767 4769 4770 4772 4775 4776 4777 4780 4782 4784 4786 4789 4791 4793 4794 4795 4797 4798 4799 4800 4802 4803 4804 4805 4806 4807 4808 4809 4810 4812 4813 4814 4815 4816 4817 4818 4820 4821 4823 4825 4827 4828 4829 4831 4832 4833 4835 4836 4839 4840 4844 4845 4848 4849 4851 4852 4853 4854 4855 4857 4858 4860 4861 4862 4864 4865 4866 4867 4868 4869 4870 4872 4874 4876 4877 4879 4880 4882 4883 4884 4886 4887 4888 4889 4890 4891 4892 4894 4895 4896 4897 4899 4900 4902 4903 4904 4905 4906 4907 4908 4909 4911 4912 4913 4914 4915 4917 4918 4919 4920 4921 4922 4924 4926 4927 4928 4929 4930 4931 4933 4934 4936 4937 4938 4939 4941 4942 4943 4944 4946 4947 4948 4950 4951 4952 4953 4954 4955 4958 4959 4961 4963 4964 4965 4967 4968 4969 4970 4972 4973 4974 4975 4977 4978 4979 4980 4981 4982 4983 4984 4985 4986 4987 4988 4989 4990 4991 4993 4996 4997 4999 5000 5001 5002 5003 5004 5006 5007 5008 5010 5011 5012 5013 5014 5015 5016 5017 5019 5020 5021 5022 5024 5026 5027 5029 5030 5031 5032 5033 5034 5036 5037 5039 5041 5042 5045 5046 5047 5048 5050 5051 5052 5053 5055 5056 5058 5060 5061 5062 5063 5064 5066 5067 5068 5069 5070 5071 5072 5073 5075 5076 5078 5080 5081 5082 5084 5086 5089 5090 5091 5092 5093 5094 5095 5096 5100 5101 5102 5103 5104 5106 5107 5108 5109 5110 5111 5112 5113 5114 5115 5116 5117 5120 5121 5122 5123 5125 5127 5128 5129 5131 5132 5134 5135 5136 5137 5138 5139 5140 5141 5142 5143 5144 5145 5146 5147 5148 5149 5150 5151 5152 5153 5155 5156 5158 5159 5161 5162 5163 5165 5166 5167 5168 5170 5171 5172 5174 5175 5176 5178 5179 5181 5183 5184 5185 5187 5188 5189 5190 5191 5194 5195 5196 5198 5200 5201 5202 5203 5204 5206 5207 5209 5211 5212 5213 5214 5215 5216 5217 5218	001

MSN	CONFIGURATION
2476 2553 2590 2610 2653 2687 2707 2713 2730 2736 2741 2756 2759 2767 2793 2799 2809 2823 2862 2868 2882 2895 2903 2912 2916 2919 2927 2933 2936 2957 2965 2971 2974 2996 2999 3005 3013 3015 3022 3034 3051 3067 3075 3081 3098 3112 3120 3126 3130 3146 3191 3198 3207 3212 3217 3222 3229 3233 3235 3241 3247 3249 3251 3254 3262 3265 3267 3274 3283 3290 3294 3297 3302 3307 3315 3322 3326 3329 3334 3339 3340 3350 3355 3360 3367 3369 3372 3382 3387 3397 3399 3401 3405 3419 3429 3434 3441 3458 3459 3462 3471 3493 3498 3504 3507 3512 3522 3523 3525 3527 3539 3546 3552 3557 3566 3573 3575 3583 3584 3587 3592 3593 3600 3612 3619 3623 3625 3629 3633 3636 3637 3639 3645 3653 3655 3665 3669 3673 3678 3681 3682 3688 3708 3712 3717 3722 3725 3730 3737 3738 3740 3749 3752 3761 3764 3766 3784 3792 3796 3806 3814 3816 3820 3830 3847 3858 3862 3864 3867 3869 3878 3879 3881 3884 3893 3899 3916 3920 3924 3926 3928 3930 3934 3936 3938 3940 3944 3948 3951 3955 3960 3964 3966 3969 3973 3977 3981 3987 3989 3993 3996 4002 4005 4009 4016 4022 4025 4031 4041 4044 4045 4047 4050 4054 4058 4062 4067 4073 4074 4078 4082 4085 4091 4096 4099 4103 4107 4112 4116 4123 4131 4134 4136 4138 4142 4148 4155 4173 4180 4184 4189 4194 4198 4209 4213 4217 4221 4224 4230 4251 4266 4271 4274 4277 4280 4283 4292 4299 4311 4315 4318 4334 4338 4341 4352 4358 4360 4369 4374 4377 4382 4387 4406 4416 4420 4430 4461 4467 4472 4494 4500 4530 4534 4538 4542 4545 4560 4570 4577 4585 4590 4607 4611 4617 4626 4638 4643 4648 4654 4662 4669 4672 4682 4698 4703 4706 4710 4719 4728 4731 4737 4746 4753 4761 4771 4779 4783 4788 4792 4811 4819 4824 4826 4830 4834 4838 4843 4847 4850 4856 4863 4873 4881 4885 4893 4898 4901 4916 4923 4925 4932 4935 4940 4945 4949 4957 4960 4962 4966 4971 4976 4994 5009 5025 5028 5035 5038 5044 5049 5054 5059 5065 5074 5077 5083 5087 5099 5118 5124 5126 5133 5154 5160 5164 5169 5173 5177 5180 5186 5192 5197 5199 5205 5210 5227 5233 5235 5237 5241 5244 5247 5251 5254 5257	002

(5) Configuration definition

**\*\*CONF 001**

Config. 001 is valid for A320 aircraft on which:

- Mod. No. 30948P6972 (or Service Bulletin No. A320-92-1021) is embodied.
- Mod. No. 30626K6443 is embodied.
- Mod. No. 30027P6972 is not embodied.
- Mod. No. 35481P9181 is not embodied.
- Mod. No. 35482P9182 is not embodied.
- Mod. No. 35483P9183 is not embodied.

**\*\*CONF 002**

Config. 002 is valid for A321 aircraft on which:

- Mod. No. 30948P6972 (or Service Bulletin No. A320-92-1021) is embodied.
- Mod. No. 30626K6443 is embodied.

- Mod. No. 30027P6972 is not embodied.
- Mod. No. 35481P9181 is not embodied.
- Mod. No. 35482P9182 is not embodied.
- Mod. No. 35483P9183 is not embodied.

**\*\*CONF 003**

Config. 003 is valid for A319 aircraft on which:

- Mod. No. 30948P6972 (or Service Bulletin No. A320-92-1021) is embodied.
- Mod. No. 30626K6443 is embodied.
- Mod. No. 30027P6972 is not embodied.
- Mod. No. 35481P9181 is not embodied.
- Mod. No. 35482P9182 is not embodied.
- Mod. No. 35483P9183 is not embodied.

or A318 aircraft on which:

- Mod. No. 30948P6972 (or Service Bulletin No. A320-92-1021) is not embodied.
- Mod. No. 30626K6443 is embodied.
- Mod. No. 30027P6972 is embodied.
- Mod. No. 35481P9181 is not embodied.
- Mod. No. 35482P9182 is not embodied.
- Mod. No. 35483P9183 is not embodied.

None

**(6) Material Effectivity****\*\*CONF 001**

MATERIAL	QTY PER A/C	SEE NOTES
Kit 211208A01R03	1	

**\*\*CONF 002**

MATERIAL	QTY PER A/C	SEE NOTES
Kit 211208A02R04	1	

**\*\*CONF 003**

MATERIAL	QTY PER A/C	SEE NOTES
Kit 211208A03R04	1	

**\*\*CONF ALL****B. CONCURRENT REQUIREMENTS**

None

**C. REASON****(1) History**

Experiences have shown that the sensors for monitoring the landing gear and the aft cargo door give indications that do not agree with each other. This behavior is caused by an Electro Magnetic Interference (EMI) effect across the sensor cables.

## (2) Objective/Action

This Service Bulletin gives the necessary instructions to remove and install a new shielded cable from:

- Connector 241VC to connector 1943VC to prevent the EMI effect on sensors 32WV and 34WV.
- Connector 248VC-A to connector 1994VC to prevent the EMI effect on sensor 35GA.

## (3) Advantages

The accomplishment of this Service Bulletin will increase the operational reliability of the related sensors.

## (4) Operational/Maintenance Consequences

None

**D. DESCRIPTION**

To accomplish this Service Bulletin it is necessary to :

**\*\*CONF 001**

Task 211208-831-848-001: Modification

- (1) Modify the Wiring between the Avionics Compartment and the Cargo Compartment.
- (2) Replace the Plate in the Cargo Compartment.
- (3) Modify the Structure of the Electronics Rack 90VU.

**\*\*CONF 002**

Task 211208-831-848-001: Modification

- (1) Modify the Wiring between the Avionics Compartment and the Cargo Compartment.
- (2) Replace the Plate in the Cargo Compartment.
- (3) Modify the Structure of the Electronics Rack 90VU.

**\*\*CONF 003**

Task 211208-831-848-001: Modification

- (1) Modify the Wiring between the Avionics Compartment and the Cargo Compartment.
- (2) Replace the Plate in the Cargo Compartment.
- (3) Modify the Structure of the Electronics Rack 90VU.

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

## (1) Classification

RECOMMENDED: Service Bulletin recommended to be accomplished to prevent significant operational disruptions.

## (2) Accomplishment Timescale

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

**F. APPROVAL**

The technical content of this document is approved under the authority of 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.

**NOTE:** For detailed concerning the elapsed time assumptions, refer to Appendix 01 - Elapsed Time Assumptions

**\*\*CONF 001**

Task 211208-831-848-001: Modification	
Get Access	5.00
<b>On Aircraft</b>	
Modify the Wiring between the Avionics Compartment and the Cargo Compartment.	10.00
Replace the Plate in the Cargo Compartment.	0.50
Modify the Structure of the Electronics Rack 90VU.	1.00
Tests	2.50
Close-Up	6.00
TOTAL MANHOURS	25.00
ELAPSED TIME (HOURS)	20.50

**\*\*CONF 002**

Task 211208-831-848-001: Modification	
Get Access	5.00
<b>On Aircraft</b>	
Modify the Wiring between the Avionics Compartment and the Cargo Compartment.	10.00
Replace the Plate in the Cargo Compartment.	0.50
Modify the Structure of the Electronics Rack 90VU.	1.00
Tests	2.50
Close-Up	6.00
TOTAL MANHOURS	25.00
ELAPSED TIME (HOURS)	20.50

**\*\*CONF 003**

Task 211208-831-848-001: Modification	
Get Access	5.00
<b>On Aircraft</b>	
Modify the Wiring between the Avionics Compartment and the Cargo Compartment.	10.00
Replace the Plate in the Cargo Compartment.	0.50
Modify the Structure of the Electronics Rack 90VU.	1.00
Tests	2.50
Close-Up	6.00
TOTAL MANHOURS	25.00
ELAPSED TIME (HOURS)	20.50

**\*\*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	06-41-53
	11-00-00	12-34-24	20-21-11
	20-21-15	20-28-00	21-26-00
	21-31-34	21-43-34	21-61-34
	22-96-00	22-97-00	24-22-33
	24-38-51	24-41-00	25-54-11
	25-54-12	31-50-00	31-60-00
	33-13-00	33-14-00	34-36-31
	36-11-34	52-10-00	52-30-00
	52-41-00		
Elec. Std. Practices Manual (ESPM)	20-25-51	20-33-00	20-33-44
	20-51-20	20-52-10	20-52-21
	20-55-00	51-47-00	
Standards Manual (SM)			
Structural Repair Manual (SRM)	51-42-00	51-43-00	51-44-00

**\*\*CONF 002**

Aircraft Maintenance Manual (AMM)	06-20-00	06-31-53	06-41-53
	11-00-00	12-34-24	20-21-11
	20-21-15	20-28-00	21-26-00
	21-31-34	21-43-34	21-61-34
	22-96-00	22-97-00	24-22-33
	24-38-51	24-41-00	25-54-11
	25-54-12	31-50-00	31-60-00
	33-13-00	33-14-00	34-36-31
	36-11-34	52-10-00	52-30-00
	52-41-00		
Elec. Std. Practices Manual (ESPM)	20-25-51	20-33-00	20-33-44
	20-51-20	20-52-10	20-52-21
	20-55-00	51-47-00	
Standards Manual (SM)			
Structural Repair Manual (SRM)	51-42-00	51-43-00	51-44-00

**\*\*CONF 003**

Aircraft Maintenance Manual (AMM)	06-20-00	06-31-53	06-41-53
	11-00-00	12-34-24	20-21-11
	20-21-15	20-28-00	21-26-00
	21-31-34	21-43-34	21-61-34
	22-96-00	22-97-00	24-22-33
	24-38-51	24-41-00	25-54-11
	25-54-12	31-50-00	31-60-00
	33-13-00	33-14-00	34-36-31
	36-11-34	52-10-00	52-30-00
	52-41-00		
Elec. Std. Practices Manual (ESPM)	20-25-51	20-33-00	20-33-44
	20-51-20	20-52-10	20-52-21
	20-55-00	51-47-00	
Standards Manual (SM)			

Structural Repair Manual (SRM)	51-42-00	51-43-00	51-44-00
--------------------------------	----------	----------	----------

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

Aircraft Wiring List (AWL)	
Aircraft Wiring Manual (AWM)	21-61-01 21-61-06

**L. INTERCHANGEABILITY/MIXABILITY**

Not Applicable

**M. SPARES**

None



**2. MATERIAL INFORMATION****\*\*CONF ALL****A. MATERIAL - PRICE AND AVAILABILITY****(1) Procurement Addresses**

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:

Kit 211208A01R03 Kit 211208A02R04 Kit 211208A03R04	AIRBUS Material, Logistics and Suppliers Weg beim Jaeger 150 D-22335 HAMBURG GERMANY For ordering by internet: <a href="http://spares.airbus.com">http://spares.airbus.com</a> For ordering by fax: +49 40 50 76 2590 For ordering by E-mail: <a href="mailto:airbus.kit@airbus.com">airbus.kit@airbus.com</a>
--	--

**(2) Price and Availability**

Kit 211208A01R03	
Cost	1,660.00 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. The latest valid price and lead time for ordering purposes shall be obtained through the AirbusSpares portal or through a request for quotation to [airbus.kit@airbus.com](mailto:airbus.kit@airbus.com).

Kit 211208A02R04	
Cost	1,690.00 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. The latest valid price and lead time for ordering purposes shall be obtained through the AirbusSpares portal or through a request for quotation to [airbus.kit@airbus.com](mailto:airbus.kit@airbus.com).

Kit 211208A03R04	
Cost	1,670.00 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. The latest valid price and lead time for ordering purposes shall be obtained through the AirbusSpares portal or through a request for quotation to [airbus.kit@airbus.com](mailto:airbus.kit@airbus.com).

**B. INDUSTRY SUPPORT INFORMATION**

As a special policy applied to this Service Bulletin, AIRBUS will provide a 15% reduction to the applicable kits sales prices given in the paragraph Price and Availability for orders placed before Dec 31/18.

**C. LIST OF COMPONENTS**

Kit 211208A01R03

ITEM	NEW PART N°	QTY (UM)	KEYWORD	ITEM	OLD PART N°	INT	SEE NOTES
1	NAS1149F0332P	2	WASHER				
2	NAS1801-3-8	2	SCREW				
3	NSA5050-3	2	NUT				
4	NSA935504-01	1	BRACKET				
5	NAS1801-3-9	1	SCREW				
6	D9241759800000	1	PLATE				
7	NAS1149C0332R	6	WASHER				
8	NAS1801-3-11	1	SCREW				
9	NSA5516-02ND	1	CLAMP				
	D9000095225695	1	BUNDLE				
	D9100095214495	1	SET				
	NSA935401-03		TIE				
	NSA935401-05		TIE				
	NSA935401-08		TIE				

**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.

Kit 211208A02R04

ITEM	NEW PART N°	QTY (UM)	KEYWORD	ITEM	OLD PART N°	INT	SEE NOTES
1	NAS1149F0332P	8	WASHER				
2	NAS1801-3-8	2	SCREW				
3	NSA5050-3	2	NUT				
4	NSA935504-01	1	BRACKET				
5	NAS1801-3-9	1	SCREW				
6	D9241763400000	1	PLATE				
8	NAS1801-3-11	1	SCREW				

ITEM	NEW PART N°	QTY (UM)	KEYWORD	ITEM	OLD PART N°	INT	SEE NOTES
9	NSA5516-02ND	1	CLAMP				
	D9000095225695	1	BUNDLE				
	D9100095214495	1	SET				
	NSA935401-03		TIE				
	NSA935401-05		TIE				
	NSA935401-08		TIE				

**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.

Kit 211208A03R04

ITEM	NEW PART N°	QTY (UM)	KEYWORD	ITEM	OLD PART N°	INT	SEE NOTES
1	NAS1149F0332P	8	WASHER				
2	NAS1801-3-8	2	SCREW				
3	NSA5050-3	2	NUT				
4	NSA935504-01	1	BRACKET				
5	NAS1801-3-9	1	SCREW				
6	D9241764000000	1	PLATE				
8	NAS1801-3-11	1	SCREW				
9	NSA5516-02ND	1	CLAMP				
	D9000095225695	1	BUNDLE				
	D9100095214495	1	SET				
	NSA935401-03		TIE				
	NSA935401-05		TIE				
	NSA935401-08		TIE				

**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

None

### E. PARTS TO BE RE-IDENTIFIED BY OPERATOR

None

### F. TOOLING

None

This Page Intentionally Left Blank

### 3. ACCOMPLISHMENT INSTRUCTIONS

#### Task 211208-831-848-001 - Modification

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

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

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

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

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

#### Task Associated Data

##### **\*\*CONF 001**

Zone	
120 130	
From 120 to 130	
Modified FIN	
2208VN 3311VN	
Access	
Door	811 812 822 824 825
Manpower	
TOTAL MANHOURS	25.00
ELAPSED TIME (HOURS)	20.50

##### **\*\*CONF 002**

Zone	
120 130	
From 120 to 130	
Modified FIN	
2208VN 3311VN	
Access	
Door	811 812 822 824 825
Manpower	
TOTAL MANHOURS	25.00

ELAPSED TIME (HOURS)	20.50
----------------------	-------

**\*\*CONF 003**

Zone	
120 130 From 120 to 130	
Modified FIN	
2208VN 3311VN	
Access	
Door	811 812 822 824 825
Manpower	
TOTAL MANHOURS	25.00
ELAPSED TIME (HOURS)	20.50

**\*\*CONF ALL****A. GENERAL****\*\*CONF 001****(1) Subtask 211208-910-001-001 - Standard Practices**

Manpower Resources	
Skills	NON SPECIFIC

References	
Aircraft Maintenance Manual (AMM)	06-20-00, Page Block 001 06-31-53, Page Block 001 06-41-53, Page Block 001 11-00-00, Page Block 201 Task 20-21-11-911-001 Task 20-21-15-912-001 Task 20-28-00-912-004 Task 20-28-00-912-043
Elec. Std. Practices Manual (ESPM)	20-25-51 20-33-00 20-33-44 20-51-20 20-52-21 51-47-00
Structural Repair Manual (SRM)	51-42-00 51-43-00 51-44-00

- (a) For the Frame (FR) identification (Refer to AMM 06-31-53, Page Block 001).
- (b) For the identification of zones (Refer to AMM 06-20-00, Page Block 001).
- (c) For the identification of access panels (Refer to AMM 06-41-53, Page Block 001).

- (d) Tag the parts you must remove and retain to make the subsequent installation easier.
- (e) Put all the retained hardware in identified plastic bags and attach the bags to the related unit.
- (f) To torque tighten the electrical component fasteners (Refer to AMM Task 20-21-15-912-001).
- (g) To torque tighten the standard threaded fasteners (Refer to AMM Task 20-21-11-911-001).
- (h) For the removal and installation of fasteners (Refer to SRM 51-42-00).
- (i) For fasteners spacing and margin (Refer to ESPM 51-47-00).
- (j) For alternative and substitute fasteners (Refer to SRM 51-43-00).
- (k) For fastener hole diameters and drill and deburr data (Refer to SRM 51-44-00).
- (l) Do the electrical bonding (Refer to ESPM 20-51-20 and AMM Task 20-28-00-912-004 or AMM Task 20-28-00-912-043).
- (m) Obey the instructions for the general installation of electrical wire harnesses (Refer to ESPM 20-33-00).
- (n) Make sure that the electrical connectors are serviceable before you connect them again.
- (o) Put blanking plugs on the disconnected line ends.
- (p) Put blanking caps on the disconnected electrical connectors.
- (q) To install new wires, cut them to the necessary length, crimp the terminal and connect them.
- (r) Route the new wires with the wires that are in the aircraft.
- (s) Use existing spare conduits to route wires in locations with difficult access.
- (t) Do a continuity test of the new and modified wires (Refer to ESPM 20-52-21).
- (u) For the cable tie application and tooling (Refer to ESPM 20-33-44 and ESPM 20-25-51).
- (v) For the installation of placards (Refer to AMM 11-00-00, Page Block 201).

### **(2) Subtask 211208-839-001-001 - Administrative**

Manpower Resources	
Skills	NON SPECIFIC

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

**\*\*CONF 002****(1) Subtask 211208-910-001-001 - Standard Practices**

Manpower Resources	
Skills	NON SPECIFIC

References	
Aircraft Maintenance Manual (AMM)	06-20-00, Page Block 001 06-31-53, Page Block 001 06-41-53, Page Block 001 11-00-00, Page Block 201 Task 20-21-11-911-001 Task 20-21-15-912-001 Task 20-28-00-912-004 Task 20-28-00-912-043
Elec. Std. Practices Manual (ESPM)	20-25-51 20-33-00 20-33-44 20-51-20 20-52-21 51-47-00
Structural Repair Manual (SRM)	51-42-00 51-43-00 51-44-00

- (a) For the Frame (FR) identification (Refer to AMM 06-31-53, Page Block 001).
- (b) For the identification of zones (Refer to AMM 06-20-00, Page Block 001).
- (c) For the identification of access panels (Refer to AMM 06-41-53, Page Block 001).
- (d) Tag the parts you must remove and retain to make the subsequent installation easier.
- (e) Put all the retained hardware in identified plastic bags and attach the bags to the related unit.
- (f) To torque tighten the electrical component fasteners (Refer to AMM Task 20-21-15-912-001).
- (g) To torque tighten the standard threaded fasteners (Refer to AMM Task 20-21-11-911-001).
- (h) For the removal and installation of fasteners (Refer to SRM 51-42-00).
- (i) For fasteners spacing and margin (Refer to ESPM 51-47-00).
- (j) For alternative and substitute fasteners (Refer to SRM 51-43-00).
- (k) For fastener hole diameters and drill and deburr data (Refer to SRM 51-44-00).



- (l) Do the electrical bonding (Refer to ESPM 20-51-20 and AMM Task 20-28-00-912-004 or AMM Task 20-28-00-912-043).
- (m) Obey the instructions for the general installation of electrical wire harnesses (Refer to ESPM 20-33-00).
- (n) Make sure that the electrical connectors are serviceable before you connect them again.
- (o) Put blanking plugs on the disconnected line ends.
- (p) Put blanking caps on the disconnected electrical connectors.
- (q) To install new wires, cut them to the necessary length, crimp the terminal and connect them.
- (r) Route the new wires with the wires that are in the aircraft.
- (s) Use existing spare conduits to route wires in locations with difficult access.
- (t) Do a continuity test of the new and modified wires (Refer to ESPM 20-52-21).
- (u) For the cable tie application and tooling (Refer to ESPM 20-33-44 and ESPM 20-25-51).
- (v) For the installation of placards (Refer to AMM 11-00-00, Page Block 201).

**(2) Subtask 211208-839-001-001 - Administrative**

Manpower Resources	
Skills	NON SPECIFIC

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

**\*\*CONF 003****(1) Subtask 211208-910-001-001 - Standard Practices**

Manpower Resources	
Skills	NON SPECIFIC

References	
Aircraft Maintenance Manual (AMM)	06-20-00, Page Block 001 06-31-53, Page Block 001 06-41-53, Page Block 001 11-00-00, Page Block 201 Task 20-21-11-911-001 Task 20-21-15-912-001 Task 20-28-00-912-004 Task 20-28-00-912-043

References	
Elec. Std. Practices Manual (ESPM)	20-25-51
	20-33-00
	20-33-44
	20-51-20
	20-52-21
	51-47-00
Structural Repair Manual (SRM)	51-42-00
	51-43-00
	51-44-00

- (a) For the Frame (FR) identification (Refer to AMM 06-31-53, Page Block 001).
- (b) For the identification of zones (Refer to AMM 06-20-00, Page Block 001).
- (c) For the identification of access panels (Refer to AMM 06-41-53, Page Block 001).
- (d) Tag the parts you must remove and retain to make the subsequent installation easier.
- (e) Put all the retained hardware in identified plastic bags and attach the bags to the related unit.
- (f) To torque tighten the electrical component fasteners (Refer to AMM Task 20-21-15-912-001).
- (g) To torque tighten the standard threaded fasteners (Refer to AMM Task 20-21-11-911-001).
- (h) For the removal and installation of fasteners (Refer to SRM 51-42-00).
- (i) For fasteners spacing and margin (Refer to ESPM 51-47-00).
- (j) For alternative and substitute fasteners (Refer to SRM 51-43-00).
- (k) For fastener hole diameters and drill and deburr data (Refer to SRM 51-44-00).
- (l) Do the electrical bonding (Refer to ESPM 20-51-20 and AMM Task 20-28-00-912-004 or AMM Task 20-28-00-912-043).
- (m) Obey the instructions for the general installation of electrical wire harnesses (Refer to ESPM 20-33-00).
- (n) Make sure that the electrical connectors are serviceable before you connect them again.
- (o) Put blanking plugs on the disconnected line ends.
- (p) Put blanking caps on the disconnected electrical connectors.
- (q) To install new wires, cut them to the necessary length, crimp the terminal and connect them.

- (r) Route the new wires with the wires that are in the aircraft.
- (s) Use existing spare conduits to route wires in locations with difficult access.
- (t) Do a continuity test of the new and modified wires (Refer to ESPM 20-52-21).
- (u) For the cable tie application and tooling (Refer to ESPM 20-33-44 and ESPM 20-25-51).
- (v) For the installation of placards (Refer to AMM 11-00-00, Page Block 201).

**(2) Subtask 211208-839-001-001 - Administrative**

Manpower Resources	
Skills	NON SPECIFIC

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 211208-941-001-001 - Job Set-up**

Manpower Resources	
Skills	NON SPECIFIC

References	
Aircraft Maintenance Manual (AMM)	06-41-53, Page Block 001 Task 12-34-24-869-002 Task 24-38-51-000-001 Task 25-54-11-000-001 Task 25-54-12-000-001 Task 25-54-12-000-002 Task 52-10-00-010-001 Task 52-30-00-860-001 Task 52-30-00-860-003 Task 52-30-00-860-005 Task 52-41-00-010-002

- (a) Make sure that the aircraft is electrically grounded (Refer to AMM Task 12-34-24-869-002).
- (b) Put the access platforms in position at doors 825, 831 or 841, 811, 812, 822 and 824.
- (c) Open the FWD Cargo Compartment door 825 (Refer to AMM Task 52-30-00-860-001 or AMM Task 52-30-00-860-003 or AMM Task 52-30-00-860-005).

- (d) Open the FWD Passenger/Crew door 831 or 841 (Refer to AMM Task 52-10-00-010-001).
- (e) Open the Avionics Compartment doors 811, 812, 822 and 824 (Refer to AMM Task 52-41-00-010-002).
- (f) Remove all the ceiling panels in the FWD cargo compartment (Refer to AMM Task 25-54-12-000-002).
- (g) Remove the partition panels 131BW, 131AW and 132BW in the FWD cargo compartment (Refer to AMM Task 25-54-11-000-001 and AMM 06-41-53, Page Block 001).
- (h) Remove all the necessary partition panels (Refer to AMM Task 25-54-12-000-001).
- (i) If installed, remove from the modified plate the connectors No. 1939VC, 1941VC, 1943VC, 1945VC, 1947VC, 1949VC, 1951VC, 1953VC, 1955VC, 1957VC, 1959VC, 1961VC, 1963VC, 1965VC, 1967VC, 1969VC, 1971VC, 1973VC, 1975VC, 1977VC, 1979VC, 1981VC, 1983VC, 1985VC, 1987VC, 1989VC, 1991VC, 1997VC and 1999VC without disconnection.
- (j) Make sure that the external connector(s) is (are) not connected to the aircraft receptacle(s) EXT PW.
- (k) Make sure that there is (are) warning notice(s) on external power receptacle to tell persons not to connect an external power source.
- (l) Make sure that the EMER EXIT LT pushbutton switch on 25VU is on OFF position.
- (m) In the cockpit, on the overhead panel 35VU release BAT pushbutton switches.
- (n) Put a warning notice on panel 35VU to tell persons not to operate the batteries.
- (o) Put a warning notice on refuel/defuel panel 800VU to tell persons not to operate the NORMAL BATTERY switch.
- (p) Put a warning notice in the cockpit to tell persons not to start the APU.
- (q) Put a warning notice in the cockpit to tell persons not to start the ENG1,2.
- (r) Battery disconnection:
  - For Job Set-up, refer to the removal of the Batteries (Refer to AMM Task 24-38-51-000-001).
  - Turn the knurled nut a quarter turn.
  - Disconnect the connectors.
  - Put blanking caps on the disconnected electrical connectors.

**(2) Subtask 211208-010-001-001 - Remove for Access**

Work Zones and Access Panels			
	Zone	Access/Work location	
	120	Access	Door 811
		Work location	from Electrical panel 95VU to Electrical panel 96VU

Manpower Resources	
Skills	NON SPECIFIC

References	
Aircraft Maintenance Manual (AMM)	Task 21-31-34-000-001 Task 21-43-34-000-002 Task 21-61-34-000-001 Task 24-22-33-000-001 Task 34-36-31-000-001 Task 36-11-34-000-001

**(a) Remove the shelf 95VU:**

- 1 Remove and retain the cabin pressure controller (FIN 11HL) (if installed) (Refer to AMM Task 21-31-34-000-001).
- 2 Remove and retain the air conditioning controller (FIN 47HH) (if installed) (Refer to AMM Task 21-61-34-000-001).
- 3 Remove and retain the electrical generation interface unit (FIN 22XU1) (if installed) (Refer to AMM Task 24-22-33-000-001).
- 4 Remove and retain the multi-mode receiver (FIN 40RT1) (if installed) (Refer to AMM Task 34-36-31-000-001).
- 5 Remove and retain the instrument landing system receiver (FIN 2RT1) (if installed) (Refer to AMM Task 34-36-31-000-001).
- 6 Remove and retain the bleed monitoring computer (FIN 1HA1) (if installed) (Refer to AMM Task 36-11-34-000-001).
- 7 Remove and retain the pack controller (FIN 7HH) (if installed) (Refer to AMM Task 21-61-34-000-001).
- 8 Disconnect the shelf cut-off connectors and install protective caps.
- 9 Disconnect the bonding strap and remove the shelf from the aircraft.

**NOTE:** Retain the hardware.

**(b) Remove the shelf 96VU:**

- 1 Remove and retain the cabin pressure controller (FIN 12HL) (if installed) (Refer to AMM Task 21-31-34-000-001).

- 2 Remove and retain the heat controller (FIN 10HC) (if installed) (Refer to AMM Task 21-43-34-000-002).
- 3 Remove and retain the air conditioning controller (FIN 57HH) (if installed) (Refer to AMM Task 21-61-34-000-001).
- 4 Remove and retain the electrical generation interface unit (FIN 22XU2) (Refer to AMM Task 24-22-33-000-001).
- 5 Remove and retain the multi-mode receiver (FIN 40RT2) (if installed) (Refer to AMM Task 34-36-31-000-001).
- 6 Remove and retain the instrument landing system receiver (FIN 2RT2) (if installed) (Refer to AMM Task 34-36-31-000-001).
- 7 Remove and retain the bleed monitoring computer (FIN 1HA2) (if installed) (Refer to AMM Task 36-11-34-000-001).
- 8 Remove and retain the pack controller (FIN 27HH) (if installed) (Refer to AMM Task 21-61-34-000-001).
- 9 Disconnect the shelf cut-off connectors and install protective caps.
- 10 Disconnect the bonding strap and remove the shelf from the aircraft.

NOTE: Retain the hardware.

**\*\*CONF 002**

### **(1) Subtask 211208-941-001-001 - Job Set-up**

Manpower Resources	
Skills	NON SPECIFIC

References	
Aircraft Maintenance Manual (AMM)	06-41-53, Page Block 001 Task 12-34-24-869-002 Task 24-38-51-000-001 Task 25-54-11-000-001 Task 25-54-12-000-001 Task 25-54-12-000-002 Task 52-10-00-010-001 Task 52-30-00-860-001 Task 52-30-00-860-003 Task 52-30-00-860-005 Task 52-41-00-010-002

- (a) Make sure that the aircraft is electrically grounded (Refer to AMM Task 12-34-24-869-002).
- (b) Put the access platforms in position at doors 825, 831 or 841, 811, 812, 822 and 824.

## SERVICE BULLETIN

- (c) Open the FWD Cargo Compartment door 825 (Refer to AMM Task 52-30-00-860-001 or AMM Task 52-30-00-860-003 or AMM Task 52-30-00-860-005).
- (d) Open the FWD Passenger/Crew door 831 or 841 (Refer to AMM Task 52-10-00-010-001).
- (e) Open the Avionics Compartment doors 811, 812, 822 and 824 (Refer to AMM Task 52-41-00-010-002).
- (f) Remove all the ceiling panels in the FWD cargo compartment (Refer to AMM Task 25-54-12-000-002).
- (g) Remove the partition panels 131BW, 131AW and 132BW in the FWD cargo compartment (Refer to AMM Task 25-54-11-000-001 and AMM 06-41-53, Page Block 001).
- (h) Remove all the necessary partition panels (Refer to AMM Task 25-54-12-000-001).
- (i) If installed, remove from the modified plate the connectors No. 1939VC, 1941VC, 1943VC, 1945VC, 1947VC, 1949VC, 1951VC, 1953VC, 1955VC, 1957VC, 1959VC, 1961VC, 1963VC, 1965VC, 1967VC, 1969VC, 1971VC, 1973VC, 1975VC, 1977VC, 1979VC, 1981VC, 1983VC, 1985VC, 1987VC, 1989VC, 1991VC, 1997VC and 1999VC without disconnection.
- (j) Make sure that the external connector(s) is (are) not connected to the aircraft receptacle(s) EXT PW.
- (k) Make sure that there is (are) warning notice(s) on external power receptacle to tell persons not to connect an external power source.
- (l) Make sure that the EMER EXIT LT pushbutton switch on 25VU is on OFF position.
- (m) In the cockpit, on the overhead panel 35VU release BAT pushbutton switches.
- (n) Put a warning notice on panel 35VU to tell persons not to operate the batteries.
- (o) Put a warning notice on refuel/defuel panel 800VU to tell persons not to operate the NORMAL BATTERY switch.
- (p) Put a warning notice in the cockpit to tell persons not to start the APU.
- (q) Put a warning notice in the cockpit to tell persons not to start the ENG1,2.
- (r) Battery disconnection:
  - For Job Set-up, refer to the removal of the Batteries (Refer to AMM Task 24-38-51-000-001).
  - Turn the knurled nut a quarter turn.
  - Disconnect the connectors.
  - Put blanking caps on the disconnected electrical connectors.

### (2) Subtask 211208-010-001-001 - Remove for Access

Work Zones and Access Panels			
	Zone	Access/Work location	
	120	Access	Door 811
		Work location	from Electrical panel 95VU to Electrical panel 96VU

Manpower Resources	
Skills	NON SPECIFIC

References	
Aircraft Maintenance Manual (AMM)	Task 21-31-34-000-001
	Task 21-43-34-000-002
	Task 21-61-34-000-001
	Task 24-22-33-000-001
	Task 34-36-31-000-001
	Task 36-11-34-000-001

(a) Remove the shelf 95VU:

- 1 Remove and retain the cabin pressure controller (FIN 11HL) (if installed) (Refer to AMM Task 21-31-34-000-001).
- 2 Remove and retain the air conditioning controller (FIN 47HH) (if installed) (Refer to AMM Task 21-61-34-000-001).
- 3 Remove and retain the electrical generation interface unit (FIN 22XU1) (if installed) (Refer to AMM Task 24-22-33-000-001).
- 4 Remove and retain the multi-mode receiver (FIN 40RT1) (if installed) (Refer to AMM Task 34-36-31-000-001).
- 5 Remove and retain the instrument landing system receiver (FIN 2RT1) (if installed) (Refer to AMM Task 34-36-31-000-001).
- 6 Remove and retain the bleed monitoring computer (FIN 1HA1) (if installed) (Refer to AMM Task 36-11-34-000-001).
- 7 Remove and retain the pack controller (FIN 7HH) (if installed) (Refer to AMM Task 21-61-34-000-001).
- 8 Disconnect the shelf cut-off connectors and install protective caps.
- 9 Disconnect the bonding strap and remove the shelf from the aircraft.

NOTE: Retain the hardware.

(b) Remove the shelf 96VU:

- 1 Remove and retain the cabin pressure controller (FIN 12HL) (if installed) (Refer to AMM Task 21-31-34-000-001).



- 2 Remove and retain the heat controller (FIN 10HC) (if installed) (Refer to AMM Task 21-43-34-000-002).
- 3 Remove and retain the air conditioning controller (FIN 57HH) (if installed) (Refer to AMM Task 21-61-34-000-001).
- 4 Remove and retain the electrical generation interface unit (FIN 22XU2) (Refer to AMM Task 24-22-33-000-001).
- 5 Remove and retain the multi-mode receiver (FIN 40RT2) (if installed) (Refer to AMM Task 34-36-31-000-001).
- 6 Remove and retain the instrument landing system receiver (FIN 2RT2) (if installed) (Refer to AMM Task 34-36-31-000-001).
- 7 Remove and retain the bleed monitoring computer (FIN 1HA2) (if installed) (Refer to AMM Task 36-11-34-000-001).
- 8 Remove and retain the pack controller (FIN 27HH) (if installed) (Refer to AMM Task 21-61-34-000-001).
- 9 Disconnect the shelf cut-off connectors and install protective caps.
- 10 Disconnect the bonding strap and remove the shelf from the aircraft.

NOTE: Retain the hardware.

**\*\*CONF 003**

### **(1) Subtask 211208-941-001-001 - Job Set-up**

Manpower Resources	
Skills	NON SPECIFIC

References	
Aircraft Maintenance Manual (AMM)	06-41-53, Page Block 001 Task 12-34-24-869-002 Task 24-38-51-000-001 Task 25-54-11-000-001 Task 25-54-12-000-001 Task 25-54-12-000-002 Task 52-10-00-010-001 Task 52-30-00-860-001 Task 52-30-00-860-003 Task 52-30-00-860-005 Task 52-41-00-010-002

- (a) Make sure that the aircraft is electrically grounded (Refer to AMM Task 12-34-24-869-002).
- (b) Put the access platforms in position at doors 825, 831 or 841, 811, 812, 822 and 824.

## SERVICE BULLETIN

- (c) Open the FWD Cargo Compartment door 825 (Refer to AMM Task 52-30-00-860-001 or AMM Task 52-30-00-860-003 or AMM Task 52-30-00-860-005).
- (d) Open the FWD Passenger/Crew door 831 or 841 (Refer to AMM Task 52-10-00-010-001).
- (e) Open the Avionics Compartment doors 811, 812, 822 and 824 (Refer to AMM Task 52-41-00-010-002).
- (f) Remove all the ceiling panels in the FWD cargo compartment (Refer to AMM Task 25-54-12-000-002).
- (g) Remove the partition panels 131BW, 131AW and 132BW in the FWD cargo compartment (Refer to AMM Task 25-54-11-000-001 and AMM 06-41-53, Page Block 001).
- (h) Remove all the necessary partition panels (Refer to AMM Task 25-54-12-000-001).
- (i) If installed, remove from the modified plate the connectors No. 1939VC, 1941VC, 1943VC, 1945VC, 1947VC, 1949VC, 1951VC, 1953VC, 1955VC, 1957VC, 1959VC, 1961VC, 1963VC, 1965VC, 1967VC, 1969VC, 1971VC, 1973VC, 1975VC, 1977VC, 1979VC, 1981VC, 1983VC, 1985VC, 1987VC, 1989VC, 1991VC, 1997VC and 1999VC without disconnection.
- (j) Make sure that the external connector(s) is (are) not connected to the aircraft receptacle(s) EXT PW.
- (k) Make sure that there is (are) warning notice(s) on external power receptacle to tell persons not to connect an external power source.
- (l) Make sure that the EMER EXIT LT pushbutton switch on 25VU is on OFF position.
- (m) In the cockpit, on the overhead panel 35VU release BAT pushbutton switches.
- (n) Put a warning notice on panel 35VU to tell persons not to operate the batteries.
- (o) Put a warning notice on refuel/defuel panel 800VU to tell persons not to operate the NORMAL BATTERY switch.
- (p) Put a warning notice in the cockpit to tell persons not to start the APU.
- (q) Put a warning notice in the cockpit to tell persons not to start the ENG1,2.
- (r) Battery disconnection:
  - For Job Set-up, refer to the removal of the Batteries (Refer to AMM Task 24-38-51-000-001).
  - Turn the knurled nut a quarter turn.
  - Disconnect the connectors.
  - Put blanking caps on the disconnected electrical connectors.

**(2) Subtask 211208-010-001-001 - Remove for Access**

Work Zones and Access Panels			
	Zone	Access/Work location	
	120	Access	Door 811
		Work location	from Electrical panel 95VU to Electrical panel 96VU

Manpower Resources	
Skills	NON SPECIFIC

References	
Aircraft Maintenance Manual (AMM)	Task 21-31-34-000-001 Task 21-43-34-000-002 Task 21-61-34-000-001 Task 24-22-33-000-001 Task 34-36-31-000-001 Task 36-11-34-000-001

**(a) Remove the shelf 95VU:**

- 1 Remove and retain the cabin pressure controller (FIN 11HL) (if installed) (Refer to AMM Task 21-31-34-000-001).
- 2 Remove and retain the air conditioning controller (FIN 47HH) (if installed) (Refer to AMM Task 21-61-34-000-001).
- 3 Remove and retain the electrical generation interface unit (FIN 22XU1) (if installed) (Refer to AMM Task 24-22-33-000-001).
- 4 Remove and retain the multi-mode receiver (FIN 40RT1) (if installed) (Refer to AMM Task 34-36-31-000-001).
- 5 Remove and retain the instrument landing system receiver (FIN 2RT1) (if installed) (Refer to AMM Task 34-36-31-000-001).
- 6 Remove and retain the bleed monitoring computer (FIN 1HA1) (if installed) (Refer to AMM Task 36-11-34-000-001).
- 7 Remove and retain the pack controller (FIN 7HH) (if installed) (Refer to AMM Task 21-61-34-000-001).
- 8 Disconnect the shelf cut-off connectors and install protective caps.
- 9 Disconnect the bonding strap and remove the shelf from the aircraft.

**NOTE:** Retain the hardware.

**(b) Remove the shelf 96VU:**

- 1 Remove and retain the cabin pressure controller (FIN 12HL) (if installed) (Refer to AMM Task 21-31-34-000-001).

- 2 Remove and retain the heat controller (FIN 10HC) (if installed) (Refer to AMM Task 21-43-34-000-002).
- 3 Remove and retain the air conditioning controller (FIN 57HH) (if installed) (Refer to AMM Task 21-61-34-000-001).
- 4 Remove and retain the electrical generation interface unit (FIN 22XU2) (Refer to AMM Task 24-22-33-000-001).
- 5 Remove and retain the multi-mode receiver (FIN 40RT2) (if installed) (Refer to AMM Task 34-36-31-000-001).
- 6 Remove and retain the instrument landing system receiver (FIN 2RT2) (if installed) (Refer to AMM Task 34-36-31-000-001).
- 7 Remove and retain the bleed monitoring computer (FIN 1HA2) (if installed) (Refer to AMM Task 36-11-34-000-001).
- 8 Remove and retain the pack controller (FIN 27HH) (if installed) (Refer to AMM Task 21-61-34-000-001).
- 9 Disconnect the shelf cut-off connectors and install protective caps.
- 10 Disconnect the bonding strap and remove the shelf from the aircraft.

NOTE: Retain the hardware.

**\*\*CONF ALL**

### **C. PROCEDURE**

**\*\*CONF 001**

- (1) **Subtask 211208-831-001-007 - Modify the Wiring between the Avionics Compartment and the Cargo Compartment.**

Work Zones and Access Panels			
	Zone	Access/Work location	
From	120	Access	Door 811, Door 812, Door 822, Door 824
		Work location	Electrical panel 90VU
To	130	Access	Door 825
		Work location	from Frame 30 to Frame 34

Manpower Resources	
Manhours	10.00
Minimum number of person	2
Subtask elapsed time	7.00
Skills	ELECTRICAL

Material necessary to do the job

Kit 211208A01R03

ITEM	NEW PART N°	QTY (UM)	KEYWORD	SEE NOTES
	D9000095225695		BUNDLE	
	NSA935401-03	265	TIE	
	NSA935401-05	265	TIE	
	NSA935401-08	265	TIE	

### References

Fig. A-FBAAA Location of the Modification.	<a href="#">Sheet 01</a>
Fig. A-FWAAA Modification of the wiring between the Avionics and the Cargo Compartment (LH Side).	<a href="#">Sheet 01</a>
Fig. A-FWBAA Modification of the wiring between the Avionics and the Cargo Compartment (RH Side).	<a href="#">Sheet 01</a>
Fig. A-FHAAA Hook-up Chart of the Modification of the wiring between the Avionics and the Cargo Compartment (LH Side).	<a href="#">Sheet 01</a>
Fig. A-FHBAA Hook-up Chart of the Modification of the wiring between the Avionics and the Cargo Compartment (RH Side).	<a href="#">Sheet 01</a>

- (a) Modify the connection of the wires as shown in the wiring diagrams [Fig. A-FWAAA Sheet 01](#) and [Fig. A-FWBAA Sheet 01](#), and as described in the hook-up chart lines:

- 1 thru 8 (Refer to [Fig. A-FHAAA Sheet 01](#)),
- 1 thru 8 (Refer to [Fig. A-FHBAA Sheet 01](#)).

NOTE: Use the sealing plugs Part Number (PN) NSA936604CA0931 supplied in:

Bundle D9000095225695

- (b) Install the wires as shown in the wiring diagrams [Fig. A-FWAAA Sheet 01](#) and [Fig. A-FWBAA Sheet 01](#), and as described in the hook-up chart lines:

- 12 thru 18 (Refer to [Fig. A-FHAAA Sheet 01](#)),
- 12 thru 18 (Refer to [Fig. A-FHBAA Sheet 01](#)), supplied in:

Bundle D9000095225695

(c) Attach the wires with:

265	Tie-Cable	NSA935401-03
265	Tie-Cable	NSA935401-05
265	Tie-Cable	NSA935401-08

**(2) Subtask 211208-960-001-001 - Replace the Plate in the Cargo Compartment.**

Work Zones and Access Panels			
	Zone	Access/Work location	
	130	Access	Door 825
		Work location	from Frame 33 to Frame 34

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

Material necessary to do the job
----------------------------------

Kit 211208A01R03				
ITEM	NEW PART N°	QTY (UM)	KEYWORD	SEE NOTES
1	NAS1149F0332P	2	WASHER	
5	NAS1801-3-9	1	SCREW	
6	D9241759800000	1	PLATE	
7	NAS1149C0332R	6	WASHER	
8	NAS1801-3-11	1	SCREW	
9	NSA5516-02ND	1	CLAMP	

References	
Aircraft Maintenance Manual (AMM)	Task 20-28-00-912-004 Task 20-28-00-912-043
Elec. Std. Practices Manual (ESPM)	20-51-20
Fig. A-FBDAA Modification of the Plate in the Cargo Compartment.	<a href="#">Sheet 01</a> <a href="#">Sheet 02</a> <a href="#">Sheet 03</a>

(a) Remove (Refer to [Fig. A-FBDAA Sheet 01](#)):

1	Plate	Item (6)	Discard
	attached with:		
6	Washer	Item (7)	Discard
2	Screw	Item (2)	Retain

4	Screw	Item (8)	Retain
6	Nut	Item (9)	Retain

(b) Install (Refer to [Fig. A-FBDAA Sheet 02](#)):

Refer to ESPM 20-51-20 and AMM Task 20-28-00-912-004 or AMM Task 20-28-00-912-043.

1	Plate	D9241759800000	Item 6	
	attach with:			
4	Screw		Item (8)	Retained at removal
2	Screw		Item (2)	Retained at removal
6	Washer	NAS1149C0332R	Item 7	
6	Nut		Item (9)	Retained at removal

(c) Install the grounding point 3311VN with (Refer to [Fig. A-FBDAA Sheet 03](#)):

Refer to ESPM 20-51-20 and AMM Task 20-28-00-912-004 or AMM Task 20-28-00-912-043.

1	Washer	NAS1149F0332P	Item 1
1	Screw	NAS1801-3-9	Item 5

(d) Attach the shielding wires with (Refer to [Fig. A-FBDAA Sheet 03](#)):

1	Clamp	NSA5516-02ND	Item 9
1	Washer	NAS1149F0332P	Item 1
1	Screw	NAS1801-3-11	Item 8

**(3) Subtask 211208-831-002-006 - Modify the Structure of the Electronics Rack 90VU.**

Manpower Resources	
Manhours	1.00
Minimum number of person	1
Subtask elapsed time	1.00
Skills	AIRFRAME

### Material necessary to do the job

Kit 211208A01R03

ITEM	NEW PART N°	QTY (UM)	KEYWORD	SEE NOTES
1	NAS1149F0332P	2	WASHER	
2	NAS1801-3-8	2	SCREW	
3	NSA5050-3	2	NUT	
4	NSA935504-01	1	BRACKET	
	D9100095214495		SET	
	NSA935401-03	1	TIE	

### References

Aircraft Maintenance Manual (AMM)	Task 20-28-00-912-004 Task 20-28-00-912-043
Elec. Std. Practices Manual (ESPM)	20-51-20
Structural Repair Manual (SRM)	51-44-00
Fig. A-FBBAA Installation of the Grounding Point 2208VN and location of the Grounding Point 2201VN.	<a href="#">Sheet 01</a>

(a) Install the grounding point 2208VN (Refer to [Fig. A-FBBAA Sheet 01](#)):

Refer to ESPM 20-51-20 and AMM Task 20-28-00-912-004 or AMM Task 20-28-00-912-043.

Refer to SRM 51-44-00.

1 In the structure of the FWD Electronics Rack 90VU, drill the 2 holes to a diameter of 5.2 mm (0.2047 in.).

2 Remove the surface protection at the location of the shielding wire, in a diameter of 14 mm (0.55 in.).

3 Install:

1	Bracket	NSA935504-01	Item 4
---	---------	--------------	--------

attach with:

1	Washer	NAS1149F0332P	Item 1
---	--------	---------------	--------

1	Screw	NAS1801-3-8	Item 2
---	-------	-------------	--------

1	Nut	NSA5050-3	Item 3
---	-----	-----------	--------

4 Bond the placard identified 2208VN, supplied in:

Placard Set	D9100095214495
-------------	----------------



(b) Attach the shielding wire to the grounding point 2208VN with:

Refer to ESPM 20-51-20 and AMM Task 20-28-00-912-004 or AMM Task 20-28-00-912-043.

1	Washer	NAS1149F0332P	Item 1
1	Screw	NAS1801-3-8	Item 2
1	Nut	NSA5050-3	Item 3

(c) Attach the electrical wire to the bracket with:

1	Tie-Cable	NSA935401-03
---	-----------	--------------

**\*\*CONF 002**

**(1) Subtask 211208-831-001-008 - Modify the Wiring between the Avionics Compartment and the Cargo Compartment.**

Work Zones and Access Panels			
	Zone	Access/Work location	
From	120	Access	Door 811, Door 812, Door 822, Door 824
		Work location	Electrical panel 90VU
To	130	Access	Door 825
		Work location	from Frame 35-6 to Frame 35-7

Manpower Resources	
Manhours	10.00
Minimum number of person	2
Subtask elapsed time	7.00
Skills	ELECTRICAL

Material necessary to do the job
----------------------------------

Kit 211208A02R04				
ITEM	NEW PART N°	QTY (UM)	KEYWORD	SEE NOTES
	D9000095225695		BUNDLE	
	NSA935401-03	265	TIE	
	NSA935401-05	265	TIE	
	NSA935401-08	265	TIE	

References	
Fig. A-FBAAB Location of the Modification.	<a href="#">Sheet 01</a>
Fig. A-FWAAA Modification of the wiring between the Avionics and the Cargo Compartment (LH Side).	<a href="#">Sheet 01</a>

References	
Fig. A-FWBAA Modification of the wiring between the Avionics and the Cargo Compartment (RH Side).	<a href="#">Sheet 01</a>
Fig. A-FHAAA Hook-up Chart of the Modification of the wiring between the Avionics and the Cargo Compartment (LH Side).	<a href="#">Sheet 01</a>
Fig. A-FHBAA Hook-up Chart of the Modification of the wiring between the Avionics and the Cargo Compartment (RH Side).	<a href="#">Sheet 01</a>

- (a) Modify the connection of the wires as shown in the wiring diagrams [Fig. A-FWAAA Sheet 01](#) and [Fig. A-FWBAA Sheet 01](#), and as described in the hook-up chart lines:

- 1 thru 8 (Refer to [Fig. A-FHAAA Sheet 01](#)),
- 1 thru 8 (Refer to [Fig. A-FHBAA Sheet 01](#)).

**NOTE:** Use the sealing plugs Part Number (PN) NSA936604CA0931 supplied in:

Bundle D9000095225695

- (b) Install the wires as shown in the wiring diagrams [Fig. A-FWAAA Sheet 01](#) and [Fig. A-FWBAA Sheet 01](#), and as described in the hook-up chart lines:

- 12 thru 18 (Refer to [Fig. A-FHAAA Sheet 01](#)),
- 12 thru 18 (Refer to [Fig. A-FHBAA Sheet 01](#)), supplied in:

Bundle D9000095225695

- (c) Attach the wires with:

265	Tie-Cable	NSA935401-03
265	Tie-Cable	NSA935401-05
265	Tie-Cable	NSA935401-08

**(2) Subtask 211208-960-001-002 - Replace the Plate in the Cargo Compartment.**

Work Zones and Access Panels		
	Zone	Access/Work location
	130	

## SERVICE BULLETIN

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

Material necessary to do the job
----------------------------------

Kit 211208A02R04				
ITEM	NEW PART N°	QTY (UM)	KEYWORD	SEE NOTES
1	NAS1149F0332P	8	WASHER	
5	NAS1801-3-9	1	SCREW	
6	D9241763400000	1	PLATE	
8	NAS1801-3-11	1	SCREW	
9	NSA5516-02ND	1	CLAMP	

References	
Aircraft Maintenance Manual (AMM)	Task 20-28-00-912-004 Task 20-28-00-912-043
Elec. Std. Practices Manual (ESPM)	20-51-20
Fig. A-FBDAB Modification of the Plate in the Cargo Compartment.	<a href="#">Sheet 01</a> <a href="#">Sheet 02</a> <a href="#">Sheet 03</a>

(a) Remove (Refer to [Fig. A-FBDAB Sheet 01](#)):

1	Plate	Item (6)	Discard
6	Screw	Item (2)	Retain
6	Washer	Item (1)	Discard
6	Nut	Item (3)	Retain

(b) Install (Refer to [Fig. A-FBDAB Sheet 02](#)):

Refer to ESPM 20-51-20 and AMM Task 20-28-00-912-004 or AMM Task 20-28-00-912-043.

1	Plate	D9241763400000	Item 6	
attach with:				
6	Screw		Item (2)	Retained at removal
6	Washer	NAS1149F0332P	Item 1	

## SERVICE BULLETIN

**(3) Subtask 211208-831-002-005 - Modify the Structure of the Electronics Rack 90VU.**

References	
Aircraft Maintenance Manual (AMM)	Task 20-28-00-912-004 Task 20-28-00-912-043
Elec. Std. Practices Manual (ESPM)	20-51-20
Structural Repair Manual (SRM)	51-44-00
Fig. A-FBBAA Installation of the Grounding Point 2208VN and location of the Grounding Point 2201VN.	<a href="#">Sheet 01</a>

- (a) Install the grounding point 2208VN (Refer to [Fig. A-FBBAA Sheet 01](#)):

Refer to ESPM 20-51-20 and AMM Task 20-28-00-912-004 or AMM Task 20-28-00-912-043.

Refer to SRM 51-44-00.

1 In the structure of the FWD Electronics Rack 90VU, drill the 2 holes to a diameter of 5.2 mm (0.2047 in.).

2 Remove the surface protection at the location of the shielding wire, in a diameter of 14 mm (0.55 in.).

3 Install:

1	Bracket	NSA935504-01	Item 4
---	---------	--------------	--------

attach with:

1	Washer	NAS1149F0332P	Item 1
---	--------	---------------	--------

1	Screw	NAS1801-3-8	Item 2
---	-------	-------------	--------

1	Nut	NSA5050-3	Item 3
---	-----	-----------	--------

4 Bond the placard identified 2208VN, supplied in:

Placard Set	D9100095214495
-------------	----------------

- (b) Attach the shielding wire to the grounding point 2208VN with:

Refer to ESPM 20-51-20 and AMM Task 20-28-00-912-004 or AMM Task 20-28-00-912-043.

1	Washer	NAS1149F0332P	Item 1
---	--------	---------------	--------

1	Screw	NAS1801-3-8	Item 2
---	-------	-------------	--------

1	Nut	NSA5050-3	Item 3
---	-----	-----------	--------

- (c) Attach the electrical wire to the bracket with:

1	Tie-Cable	NSA935401-03
---	-----------	--------------

**\*\*CONF 003**

- (1) Subtask 211208-831-001-009 - Modify the Wiring between the Avionics Compartment and the Cargo Compartment.**

Work Zones and Access Panels			
	Zone	Access/Work location	
From	120	Access	Door 811, Door 812, Door 822, Door 824
		Work location	Electrical panel 90VU

## SERVICE BULLETIN

To	130	Access	Door 825
		Work location	from Frame 30 to Frame 34

Manpower Resources	
Manhours	10.00
Minimum number of person	2
Subtask elapsed time	7.00
Skills	ELECTRICAL

Material necessary to do the job
----------------------------------

Kit 211208A03R04				
ITEM	NEW PART N°	QTY (UM)	KEYWORD	SEE NOTES
	D9000095225695		BUNDLE	
	NSA935401-03	265	TIE	
	NSA935401-05	265	TIE	
	NSA935401-08	265	TIE	

References	
Fig. A-FBAAC Location of the Modification.	<a href="#">Sheet 01</a>
Fig. A-FWAAA Modification of the wiring between the Avionics and the Cargo Compartment (LH Side).	<a href="#">Sheet 01</a>
Fig. A-FWBAA Modification of the wiring between the Avionics and the Cargo Compartment (RH Side).	<a href="#">Sheet 01</a>
Fig. A-FHAAA Hook-up Chart of the Modification of the wiring between the Avionics and the Cargo Compartment (LH Side).	<a href="#">Sheet 01</a>
Fig. A-FHBAA Hook-up Chart of the Modification of the wiring between the Avionics and the Cargo Compartment (RH Side).	<a href="#">Sheet 01</a>

- (a) Remove the wires as shown in the wiring diagrams [Fig. A-FWAAA Sheet 01](#) and [Fig. A-FWBAA Sheet 01](#), and as described in the hook-up chart lines:

- 1 thru 8 (Refer to [Fig. A-FHAAA Sheet 01](#)),
- 1 thru 8 (Refer to [Fig. A-FHBAA Sheet 01](#)).

**NOTE:** Use the sealing plugs Part Number (PN) NSA936604CA0931 supplied in:

Bundle                      D9000095225695

- (b) Install the wires as shown in the wiring diagrams [Fig. A-FWAAA Sheet 01](#) and [Fig. A-FWBAA Sheet 01](#), and as described in the hook-up chart lines:

- 12 thru 18 (Refer to [Fig. A-FHAAA Sheet 01](#)),
- 12 thru 18 (Refer to [Fig. A-FHBAA Sheet 01](#)), supplied in:

Bundle D9000095225695

- (c) Attach the wires with:

265	Tie-Cable	NSA935401-03
265	Tie-Cable	NSA935401-05
265	Tie-Cable	NSA935401-08

### (2) Subtask 211208-960-001-003 - Replace the Plate in the Cargo Compartment.

Work Zones and Access Panels		
	Zone	Access/Work location
	130	

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

Material necessary to do the job
----------------------------------

Kit 211208A03R04				
ITEM	NEW PART N°	QTY (UM)	KEYWORD	SEE NOTES
1	NAS1149F0332P	8	WASHER	
5	NAS1801-3-9	1	SCREW	
6	D9241764000000	1	PLATE	
8	NAS1801-3-11	1	SCREW	
9	NSA5516-02ND	1	CLAMP	

References	
Aircraft Maintenance Manual (AMM)	Task 20-28-00-912-004 Task 20-28-00-912-043
Elec. Std. Practices Manual (ESPM)	20-51-20
Fig. A-FBDAC Modification of the Plate in the Cargo Compartment.	<a href="#">Sheet 01</a> <a href="#">Sheet 02</a> <a href="#">Sheet 03</a>

(a) Remove (Refer to [Fig. A-FBDAC Sheet 01](#)):

1	Plate	Item (6)	Discard
	attached with:		
6	Screw	Item (2)	Retain
6	Washer	Item (1)	Discard
2	Nut	Item (3)	Retain
4	Nut	Item (9)	Retain

(b) Install (Refer to [Fig. A-FBDAC Sheet 02](#)):

Refer to ESPM 20-51-20 and AMM Task 20-28-00-912-004 or AMM Task 20-28-00-912-043.

1	Plate	D9241764000000	Item 6	
	attach with:			
6	Screw		Item (2)	Retained at removal
6	Washer	NAS1149F0332P	Item 1	
2	Nut		Item (3)	Retained at removal
4	Nut		Item (9)	Retained at removal

(c) Install the grounding point 3311VN with (Refer to [Fig. A-FBDAC Sheet 03](#)):

Refer to ESPM 20-51-20 and AMM Task 20-28-00-912-004 or AMM Task 20-28-00-912-043.

1	Washer	NAS1149F0332P	Item 1
1	Screw	NAS1801-3-9	Item 5

(d) Attach the shielding wires with (Refer to [Fig. A-FBDAC Sheet 03](#)):

1	Clamp	NSA5516-02ND	Item 9
1	Washer	NAS1149F0332P	Item 1
1	Screw	NAS1801-3-11	Item 8



### (3) Subtask 211208-831-002-002 - Modify the Structure of the Electronics Rack 90VU.

Manpower Resources	
Manhours	1.00
Minimum number of person	1
Subtask elapsed time	1.00
Skills	AIRFRAME

Material necessary to do the job
----------------------------------

Kit 211208A03R04				
ITEM	NEW PART N°	QTY (UM)	KEYWORD	SEE NOTES
1	NAS1149F0332P	2	WASHER	
2	NAS1801-3-8	2	SCREW	
3	NSA5050-3	2	NUT	
4	NSA935504-01	1	BRACKET	
	D9100095214495		SET	
	NSA935401-03	1	TIE	

References	
Aircraft Maintenance Manual (AMM)	Task 20-28-00-912-004 Task 20-28-00-912-043
Elec. Std. Practices Manual (ESPM)	20-51-20
Structural Repair Manual (SRM)	51-44-00
Fig. A-FBBAA Installation of the Grounding Point 2208VN and location of the Grounding Point 2201VN.	<a href="#">Sheet 01</a>

(a) Install the grounding point 2208VN (Refer to [Fig. A-FBBAA Sheet 01](#)):

Refer to ESPM 20-51-20 and AMM Task 20-28-00-912-004 or AMM Task 20-28-00-912-043.

Refer to SRM 51-44-00.

1 In the structure of the FWD Electronics Rack 90VU, drill the 2 holes to a diameter of 5.2 mm (0.2047 in.).

2 Remove the surface protection at the location of the shielding wire, in a diameter of 14 mm (0.55 in.).

3 Install:

1 Bracket NSA935504-01 Item 4

attach with:

1 Washer NAS1149F0332P Item 1

1 Screw NAS1801-3-8 Item 2

1 Nut NSA5050-3 Item 3

4 Bond the placard identified 2208VN, supplied in:

Placard Set D9100095214495

(b) Attach the shielding wire to the grounding point 2208VN with:

Refer to ESPM 20-51-20 and AMM Task 20-28-00-912-004 or AMM Task 20-28-00-912-043.

1 Washer NAS1149F0332P Item 1

1 Screw NAS1801-3-8 Item 2

1 Nut NSA5050-3 Item 3

(c) Attach the electrical wire to the bracket with:

1 Tie-Cable NSA935401-03

**\*\*CONF ALL**

**D. TEST**

**\*\*CONF 001**

**(1) Subtask 211208-700-001-001 - Testing**

Manpower Resources	
Skills	NON SPECIFIC

References	
Aircraft Maintenance Manual (AMM)	Task 20-28-00-720-005 Task 20-28-00-869-002 Task 21-26-00-710-001 Task 21-31-34-400-001 Task 21-43-34-400-002 Task 21-61-34-400-001 Task 21-61-34-400-002 Task 22-96-00-710-001 Task 22-97-00-710-001 Task 24-22-33-400-002 Task 24-38-51-400-001 Task 24-41-00-861-002 Task 31-50-00-710-001 Task 31-50-00-710-004 Task 31-60-00-710-001 Task 33-13-00-710-001 Task 33-14-00-710-001 Task 34-36-31-400-001 Task 36-11-34-400-001
Elec. Std. Practices Manual (ESPM)	20-52-10

**NOTE:** This test procedure is to be accomplished after the installation of the equipment removed for access (Refer to SUBTASK 211208-410-001 001 Install Items Removed for access ).

(a) Battery re-connection:

- For Job Set-up, refer to the installation of the Batteries (Refer to AMM Task 24-38-51-400-001).
- Remove the blanking cap from the electrical connectors.
- Make sure that the electrical connectors are clean and in correct condition.
- Connect the connector on the battery.
- Turn the knurled nut a quarter turn.

(b) Remove all warning notices.

(c) Energize the aircraft electrical circuits (Refer to AMM Task 24-41-00-861-002).

(d) Do a check of the electrical bonding (Refer to AMM Task 20-28-00-720-005).

**NOTE:** For the Maximum Permitted Resistance Values, refer to the table (Refer to AMM Task 20-28-00-869-002).

(e) Preliminary Tests:

**NOTE:** If the aircraft is operated in CAT 3 conditions, you must also do the Land CAT 3 Capability Test (Refer to AMM Task 22-97-00-710-001).

1 On each connector which was disconnected:

- Do the checks as defined by ESPM 20-52-10.

NOTE: The functional test and/or operational test requested by this ESPM procedure is given hereafter.

- a Do the operational test of the Instrument and Panel Integral Lighting (Refer to AMM Task 33-13-00-710-001).
- b Do the operational test of the Lights (Refer to AMM Task 33-14-00-710-001).
- c Do the operational check of the Avionics Equipment Ventilation-System via Maintenance Central Display Unit (MCDU) (Refer to AMM Task 21-26-00-710-001).
- d Do the operational test of the Auto Flight System (AFS) (Refer to AMM Task 22-96-00-710-001).
- e Do the operational test of the Electronic Instrument System (EIS) (Refer to AMM Task 31-60-00-710-001).
- f Do the operational test of the Electronic Centralized Aircraft Monitoring (ECAM) Control Panel (Refer to AMM Task 31-50-00-710-004).
- g Do the Ground Scanning of the Central Warning System (Refer to AMM Task 31-50-00-710-001).

(f) Procedure:

- 1 Do the test procedure as specified after the installation (if installed) of the Cabin Pressure Controller (FIN 11HL and 12HL) (Refer to AMM Task 21-31-34-400-001).
- 2 Do the test procedure as specified after the installation (if installed) of the aft Cargo Heat Controller (FIN 10HC) (Refer to AMM Task 21-43-34-400-002).
- 3 Do the test procedure as specified after the installation (if installed) of the Air-Conditioning System Controller (FIN 47HH and 57HH) (Refer to AMM Task 21-61-34-400-002).
- 4 Do the test procedure as specified after the installation (if installed) of the Electrical Generation Interface Unit (EGIU)-1(2) (FIN 22XU1 and 22XU2) (Refer to AMM Task 24-22-33-400-002).
- 5 Do the test procedure as specified after the installation (if installed) of the Multi Mode Receiver (FIN 40RT1 and 40RT2) (Refer to AMM Task 34-36-31-400-001).
- 6 Do the test procedure as specified after the installation (if installed) of the Bleed Monitoring Computer (BMC) (FIN 1HA1 and 1HA2) (Refer to AMM Task 36-11-34-400-001).

- 7 Do the test procedure as specified after the installation (if installed) of the Instrument Landing System (ILS) Receiver (FIN 2RT1 and 2RT2) (Refer to AMM Task 34-36-31-400-001).
- 8 Do the test procedure as specified after the installation (if installed) of the Pack Controller (FIN 7HH and 27HH) (Refer to AMM Task 21-61-34-400-001).

**\*\*CONF 002****(1) Subtask 211208-700-001-001 - Testing**

Manpower Resources	
Skills	NON SPECIFIC

References	
Aircraft Maintenance Manual (AMM)	Task 20-28-00-720-005
	Task 20-28-00-869-002
	Task 21-26-00-710-001
	Task 21-31-34-400-001
	Task 21-43-34-400-002
	Task 21-61-34-400-001
	Task 21-61-34-400-002
	Task 22-96-00-710-001
	Task 22-97-00-710-001
	Task 24-22-33-400-002
	Task 24-38-51-400-001
	Task 24-41-00-861-002
	Task 31-50-00-710-001
	Task 31-50-00-710-004
	Task 31-60-00-710-001
	Task 33-13-00-710-001
	Task 33-14-00-710-001
	Task 34-36-31-400-001
	Task 36-11-34-400-001
Elec. Std. Practices Manual (ESPM)	20-52-10

**NOTE:** This test procedure is to be accomplished after the installation of the equipment removed for access (Refer to SUBTASK 211208-410-001 001 Install Items Removed for access ).

**(a) Battery re-connection:**

- For Job Set-up, refer to the installation of the Batteries (Refer to AMM Task 24-38-51-400-001).
- Remove the blanking cap from the electrical connectors.
- Make sure that the electrical connectors are clean and in correct condition.
- Connect the connector on the battery.
- Turn the knurled nut a quarter turn.

- (b) Remove all warning notices.
- (c) Energize the aircraft electrical circuits (Refer to AMM Task 24-41-00-861-002).
- (d) Do a check of the electrical bonding (Refer to AMM Task 20-28-00-720-005).

NOTE: For the Maximum Permitted Resistance Values, refer to the table (Refer to AMM Task 20-28-00-869-002).

- (e) Preliminary Tests:

NOTE: If the aircraft is operated in CAT 3 conditions, you must also do the Land CAT 3 Capability Test (Refer to AMM Task 22-97-00-710-001).

- 1 On each connector which was disconnected:

- Do the checks as defined by ESPM 20-52-10.

NOTE: The functional test and/or operational test requested by this ESPM procedure is given hereafter.

- a Do the operational test of the Instrument and Panel Integral Lighting (Refer to AMM Task 33-13-00-710-001).
  - b Do the operational test of the Lights (Refer to AMM Task 33-14-00-710-001).
  - c Do the operational check of the Avionics Equipment Ventilation-System via Maintenance Central Display Unit (MCDU) (Refer to AMM Task 21-26-00-710-001).
  - d Do the operational test of the Auto Flight System (AFS) (Refer to AMM Task 22-96-00-710-001).
  - e Do the operational test of the Electronic Instrument System (EIS) (Refer to AMM Task 31-60-00-710-001).
  - f Do the operational test of the Electronic Centralized Aircraft Monitoring (ECAM) Control Panel (Refer to AMM Task 31-50-00-710-004).
  - g Do the Ground Scanning of the Central Warning System (Refer to AMM Task 31-50-00-710-001).

- (f) Procedure:

- 1 Do the test procedure as specified after the installation (if installed) of the Cabin Pressure Controller (FIN 11HL and 12HL) (Refer to AMM Task 21-31-34-400-001).
  - 2 Do the test procedure as specified after the installation (if installed) of the aft Cargo Heat Controller (FIN 10HC) (Refer to AMM Task 21-43-34-400-002).

- 3 Do the test procedure as specified after the installation (if installed) of the Air-Conditioning System Controller (FIN 47HH and 57HH) (Refer to AMM Task 21-61-34-400-002).
- 4 Do the test procedure as specified after the installation (if installed) of the Electrical Generation Interface Unit (EGIU)-1(2) (FIN 22XU1 and 22XU2) (Refer to AMM Task 24-22-33-400-002).
- 5 Do the test procedure as specified after the installation (if installed) of the Multi Mode Receiver (FIN 40RT1 and 40RT2) (Refer to AMM Task 34-36-31-400-001).
- 6 Do the test procedure as specified after the installation (if installed) of the Bleed Monitoring Computer (BMC) (FIN 1HA1 and 1HA2) (Refer to AMM Task 36-11-34-400-001).
- 7 Do the test procedure as specified after the installation (if installed) of the Instrument Landing System (ILS) Receiver (FIN 2RT1 and 2RT2) (Refer to AMM Task 34-36-31-400-001).
- 8 Do the test procedure as specified after the installation (if installed) of the Pack Controller (FIN 7HH and 27HH) (Refer to AMM Task 21-61-34-400-001).

**\*\*CONF 003****(1) Subtask 211208-700-001-001 - Testing**

Manpower Resources	
Skills	NON SPECIFIC

References	
Aircraft Maintenance Manual (AMM)	Task 20-28-00-720-005
	Task 20-28-00-869-002
	Task 21-26-00-710-001
	Task 21-31-34-400-001
	Task 21-43-34-400-002
	Task 21-61-34-400-001
	Task 21-61-34-400-002
	Task 22-96-00-710-001
	Task 22-97-00-710-001
	Task 24-22-33-400-002
	Task 24-38-51-400-001
	Task 24-41-00-861-002
	Task 31-50-00-710-001
	Task 31-50-00-710-004
	Task 31-60-00-710-001
	Task 33-13-00-710-001
	Task 33-14-00-710-001
	Task 34-36-31-400-001
	Task 36-11-34-400-001
Elec. Std. Practices Manual (ESPM)	20-52-10

**NOTE:** This test procedure is to be accomplished after the installation of the

equipment removed for access (Refer to SUBTASK 211208-410-001 001  
Install Items Removed for access ).

(a) Battery re-connection:

- For Job Set-up, refer to the installation of the Batteries (Refer to AMM Task 24-38-51-400-001).
- Remove the blanking cap from the electrical connectors.
- Make sure that the electrical connectors are clean and in correct condition.
- Connect the connector on the battery.
- Turn the knurled nut a quarter turn.

(b) Remove all warning notices.

(c) Energize the aircraft electrical circuits (Refer to AMM Task 24-41-00-861-002).

(d) Do a check of the electrical bonding (Refer to AMM Task 20-28-00-720-005).

NOTE: For the Maximum Permitted Resistance Values, refer to the table  
(Refer to AMM Task 20-28-00-869-002).

(e) Preliminary Tests:

NOTE: If the aircraft is operated in CAT 3 conditions, you must also  
do the Land CAT 3 Capability Test (Refer to AMM Task  
22-97-00-710-001).

1 On each connector which was disconnected:

- Do the checks as defined by ESPM 20-52-10.

NOTE: The functional test and/or operational test requested by this  
ESPM procedure is given hereafter.

- a Do the operational test of the Instrument and Panel Integral Lighting  
(Refer to AMM Task 33-13-00-710-001).
- b Do the operational test of the Lights (Refer to AMM Task  
33-14-00-710-001).
- c Do the operational check of the Avionics Equipment Ventilation-System  
via Maintenance Central Display Unit (MCDU) (Refer to AMM Task  
21-26-00-710-001).
- d Do the operational test of the Auto Flight System (AFS) (Refer to AMM  
Task 22-96-00-710-001).
- e Do the operational test of the Electronic Instrument System (EIS) (Refer  
to AMM Task 31-60-00-710-001).



- f Do the operational test of the Electronic Centralized Aircraft Monitoring (ECAM) Control Panel (Refer to AMM Task 31-50-00-710-004).
- g Do the Ground Scanning of the Central Warning System (Refer to AMM Task 31-50-00-710-001).

## (f) Procedure:

- 1 Do the test procedure as specified after the installation (if installed) of the Cabin Pressure Controller (FIN 11HL and 12HL) (Refer to AMM Task 21-31-34-400-001).
- 2 Do the test procedure as specified after the installation (if installed) of the aft Cargo Heat Controller (FIN 10HC) (Refer to AMM Task 21-43-34-400-002).
- 3 Do the test procedure as specified after the installation (if installed) of the Air-Conditioning System Controller (FIN 47HH and 57HH) (Refer to AMM Task 21-61-34-400-002).
- 4 Do the test procedure as specified after the installation (if installed) of the Electrical Generation Interface Unit (EGIU)-1(2) (FIN 22XU1 and 22XU2) (Refer to AMM Task 24-22-33-400-002).
- 5 Do the test procedure as specified after the installation (if installed) of the Multi Mode Receiver (FIN 40RT1 and 40RT2) (Refer to AMM Task 34-36-31-400-001).
- 6 Do the test procedure as specified after the installation (if installed) of the Bleed Monitoring Computer (BMC) (FIN 1HA1 and 1HA2) (Refer to AMM Task 36-11-34-400-001).
- 7 Do the test procedure as specified after the installation (if installed) of the Instrument Landing System (ILS) Receiver (FIN 2RT1 and 2RT2) (Refer to AMM Task 34-36-31-400-001).
- 8 Do the test procedure as specified after the installation (if installed) of the Pack Controller (FIN 7HH and 27HH) (Refer to AMM Task 21-61-34-400-001).

**\*\*CONF ALL****E. CLOSE-UP****\*\*CONF 001****(1) Subtask 211208-410-001-001 - Install Items Removed for access**

Work Zones and Access Panels			
	Zone	Access/Work location	
	120	Access	Door 811
		Work location	from Electrical panel 95VU to Electrical panel 96VU

## SERVICE BULLETIN

Manpower Resources	
Skills	NON SPECIFIC

References	
Aircraft Maintenance Manual (AMM)	Task 20-28-00-912-004 Task 20-28-00-912-043 Task 21-31-34-400-001 Task 21-43-34-400-002 Task 21-61-34-400-001 Task 21-61-34-400-001 Task 24-22-33-400-002 Task 25-54-11-400-001 Task 25-54-12-400-001 Task 25-54-12-400-002 Task 34-36-31-400-001 Task 36-11-34-400-001
Elec. Std. Practices Manual (ESPM)	20-51-20

NOTE: Parts and/or equipment removed for access, to be installed before SUBTASK 211208-700-001 001 Testing .

NOTE: Do the electrical bonding (Refer to ESPM 20-51-20 and AMM Task 20-28-00-912-004 or AMM Task 20-28-00-912-043).

(a) Install the shelf 95VU:

- 1 Install the shelf and connect the bonding straps.

NOTE: Attach with the fasteners retained at removal.

- 2 Install the cabin pressure controller (FIN 11HL) (if removed) (Refer to AMM Task 21-31-34-400-001).
- 3 Install the air conditioning controller (FIN 47HH) (if removed) (Refer to AMM Task 21-61-34-400-001).
- 4 Install the EGIU (FIN 22XU1) (if removed) (Refer to AMM Task 24-22-33-400-002).
- 5 Install the multi-mode receiver (FIN 40RT1) (if removed) (Refer to AMM Task 34-36-31-400-001).
- 6 Install the ILS receiver (FIN 2RT1) (if installed) (Refer to AMM Task 34-36-31-400-001).
- 7 Install the BMC (FIN 1HA1) (if installed) (Refer to AMM Task 36-11-34-400-001).
- 8 Install the Pack controller (FIN 7HH) (if installed) (Refer to AMM Task 21-61-34-400-001).
- 9 Remove the protective caps and connect the shelf cut-off connectors.

(b) Install the shelf 96VU:

1 Install the shelf and connect the bonding straps.

NOTE: Attach with the fasteners retained at removal.

2 Install the cabin pressure controller (FIN 12HL) (if removed) (Refer to AMM Task 21-31-34-400-001).

3 Install the heat controller (FIN 10HC) (if removed) (Refer to AMM Task 21-43-34-400-002).

4 Install the air conditioning controller (FIN 57HH) (if removed) (Refer to AMM Task 21-61-34-400-001).

5 Install the EGIU (FIN 22XU2) (if removed) (Refer to AMM Task 24-22-33-400-002).

6 Install the multi-mode receiver (FIN 40RT2) (if removed) (Refer to AMM Task 34-36-31-400-001).

7 Install the ILS receiver (FIN 2RT2) (if installed) (Refer to AMM Task 34-36-31-400-001).

8 Install the BMC (FIN 1HA2) (if installed) (Refer to AMM Task 36-11-34-400-001).

9 Install the Pack controller (FIN 27HH) (if installed) (Refer to AMM Task 21-61-34-400-001).

10 Remove the protective caps and connect the shelf cut-off connectors.

(c) If removed, install the connectors No. 1939VC, 1941VC, 1943VC, 1945VC, 1947VC, 1949VC, 1951VC, 1953VC, 1955VC, 1957VC, 1959VC, 1961VC, 1963VC, 1965VC, 1967VC, 1969VC, 1971VC, 1973VC, 1975VC, 1977VC, 1979VC, 1981VC, 1983VC, 1985VC, 1987VC, 1989VC, 1991VC, 1997VC and 1999VC.

(d) Install the ceiling panels in the FWD cargo compartment (Refer to AMM Task 25-54-12-400-002).

(e) Install the partition panels 131BW, 131AW and 132BW in the FWD cargo compartment (Refer to AMM Task 25-54-11-400-001).

(f) If removed, install the partition panels (Refer to AMM Task 25-54-12-400-001).

### **(2) Subtask 211208-942-001-001 - Close-up**

Manpower Resources	
Skills	NON SPECIFIC

References	
Aircraft Maintenance Manual (AMM)	Task 52-10-00-410-001 Task 52-30-00-860-002 Task 52-30-00-860-004 Task 52-30-00-860-009 Task 52-41-00-410-002

- (a) Close the FWD Cargo Compartment door 825 (Refer to AMM Task 52-30-00-860-002 or AMM Task 52-30-00-860-004 or AMM Task 52-30-00-860-009).
- (b) Close the FWD Passenger/Crew 831 or 841 (Refer to AMM Task 52-10-00-410-001).
- (c) Close the Avionics Compartment doors 811, 812, 822 and 824 (Refer to AMM Task 52-41-00-410-002).
- (d) Restore the system and the aircraft to the normal operating condition.
- (e) Make sure that the work areas are clean and clear of tools and other items of equipment.
- (f) Remove the access platforms.

### **\*\*CONF 002**

#### **(1) Subtask 211208-410-001-001 - Install Items Removed for access**

Work Zones and Access Panels			
	Zone	Access/Work location	
	120	Access	Door 811
		Work location	from Electrical panel 95VU to Electrical panel 96VU

Manpower Resources	
Skills	NON SPECIFIC

References	
Aircraft Maintenance Manual (AMM)	Task 20-28-00-912-004 Task 20-28-00-912-043 Task 21-31-34-400-001 Task 21-43-34-400-002 Task 21-61-34-400-001 Task 21-61-34-400-001 Task 24-22-33-400-002 Task 25-54-11-400-001 Task 25-54-12-400-001 Task 25-54-12-400-002 Task 34-36-31-400-001 Task 36-11-34-400-001
Elec. Std. Practices Manual (ESPM)	20-51-20

NOTE: Parts and/or equipment removed for access, to be installed before SUBTASK 211208-700-001 001 Testing .

NOTE: Do the electrical bonding (Refer to ESPM 20-51-20 and AMM Task 20-28-00-912-004 or AMM Task 20-28-00-912-043).

(a) Install the shelf 95VU:

- 1 Install the shelf and connect the bonding straps.

NOTE: Attach with the fasteners retained at removal.

- 2 Install the cabin pressure controller (FIN 11HL) (if removed) (Refer to AMM Task 21-31-34-400-001).
- 3 Install the air conditioning controller (FIN 47HH) (if removed) (Refer to AMM Task 21-61-34-400-001).
- 4 Install the EGIU (FIN 22XU1) (if removed) (Refer to AMM Task 24-22-33-400-002).
- 5 Install the multi-mode receiver (FIN 40RT1) (if removed) (Refer to AMM Task 34-36-31-400-001).
- 6 Install the ILS receiver (FIN 2RT1) (if installed) (Refer to AMM Task 34-36-31-400-001).
- 7 Install the BMC (FIN 1HA1) (if installed) (Refer to AMM Task 36-11-34-400-001).
- 8 Install the Pack controller (FIN 7HH) (if installed) (Refer to AMM Task 21-61-34-400-001).
- 9 Remove the protective caps and connect the shelf cut-off connectors.

(b) Install the shelf 96VU:

- 1 Install the shelf and connect the bonding straps.

NOTE: Attach with the fasteners retained at removal.

- 2 Install the cabin pressure controller (FIN 12HL) (if removed) (Refer to AMM Task 21-31-34-400-001).
- 3 Install the heat controller (FIN 10HC) (if removed) (Refer to AMM Task 21-43-34-400-002).
- 4 Install the air conditioning controller (FIN 57HH) (if removed) (Refer to AMM Task 21-61-34-400-001).
- 5 Install the EGIU (FIN 22XU2) (if removed) (Refer to AMM Task 24-22-33-400-002).

- 6 Install the multi-mode receiver (FIN 40RT2) (if removed) (Refer to AMM Task 34-36-31-400-001).
  - 7 Install the ILS receiver (FIN 2RT2) (if installed) (Refer to AMM Task 34-36-31-400-001).
  - 8 Install the BMC (FIN 1HA2) (if installed) (Refer to AMM Task 36-11-34-400-001).
  - 9 Install the Pack controller (FIN 27HH) (if installed) (Refer to AMM Task 21-61-34-400-001).
  - 10 Remove the protective caps and connect the shelf cut-off connectors.
- (c) If removed, install the connectors No. 1939VC, 1941VC, 1943VC, 1945VC, 1947VC, 1949VC, 1951VC, 1953VC, 1955VC, 1957VC, 1959VC, 1961VC, 1963VC, 1965VC, 1967VC, 1969VC, 1971VC, 1973VC, 1975VC, 1977VC, 1979VC, 1981VC, 1983VC, 1985VC, 1987VC, 1989VC, 1991VC, 1997VC and 1999VC.
  - (d) Install the ceiling panels in the FWD cargo compartment (Refer to AMM Task 25-54-12-400-002).
  - (e) Install the partition panels 131BW, 131AW and 132BW in the FWD cargo compartment (Refer to AMM Task 25-54-11-400-001).
  - (f) If removed, install the partition panels (Refer to AMM Task 25-54-12-400-001).

### **(2) Subtask 211208-942-001-001 - Close-up**

Manpower Resources	
Skills	NON SPECIFIC

References	
Aircraft Maintenance Manual (AMM)	Task 52-10-00-410-001
	Task 52-30-00-860-002
	Task 52-30-00-860-004
	Task 52-30-00-860-009
	Task 52-41-00-410-002

- (a) Close the FWD Cargo Compartment door 825 (Refer to AMM Task 52-30-00-860-002 or AMM Task 52-30-00-860-004 or AMM Task 52-30-00-860-009).
- (b) Close the FWD Passenger/Crew 831 or 841 (Refer to AMM Task 52-10-00-410-001).
- (c) Close the Avionics Compartment doors 811, 812, 822 and 824 (Refer to AMM Task 52-41-00-410-002).
- (d) Restore the system and the aircraft to the normal operating condition.
- (e) Make sure that the work areas are clean and clear of tools and other items of equipment.

- (f) Remove the access platforms.

**\*\*CONF 003**

**(1) Subtask 211208-410-001-001 - Install Items Removed for access**

Work Zones and Access Panels			
	Zone	Access/Work location	
	120	Access	Door 811
		Work location	from Electrical panel 95VU to Electrical panel 96VU

Manpower Resources	
Skills	NON SPECIFIC

References	
Aircraft Maintenance Manual (AMM)	Task 20-28-00-912-004 Task 20-28-00-912-043 Task 21-31-34-400-001 Task 21-43-34-400-002 Task 21-61-34-400-001 Task 21-61-34-400-001 Task 24-22-33-400-002 Task 25-54-11-400-001 Task 25-54-12-400-001 Task 25-54-12-400-002 Task 34-36-31-400-001 Task 36-11-34-400-001
Elec. Std. Practices Manual (ESPM)	20-51-20

**NOTE:** Parts and/or equipment removed for access, to be installed before SUBTASK 211208-700-001 001 Testing .

**NOTE:** Do the electrical bonding (Refer to ESPM 20-51-20 and AMM Task 20-28-00-912-004 or AMM Task 20-28-00-912-043).

- (a) Install the shelf 95VU:

- 1 Install the shelf and connect the bonding straps.

**NOTE:** Attach with the fasteners retained at removal.

- 2 Install the cabin pressure controller (FIN 11HL) (if removed) (Refer to AMM Task 21-31-34-400-001).

- 3 Install the air conditioning controller (FIN 47HH) (if removed) (Refer to AMM Task 21-61-34-400-001).

- 4 Install the EGIU (FIN 22XU1) (if removed) (Refer to AMM Task 24-22-33-400-002).

- 5 Install the multi-mode receiver (FIN 40RT1) (if removed) (Refer to AMM Task 34-36-31-400-001).

- 6 Install the ILS receiver (FIN 2RT1) (if installed) (Refer to AMM Task 34-36-31-400-001).
  - 7 Install the BMC (FIN 1HA1) (if installed) (Refer to AMM Task 36-11-34-400-001).
  - 8 Install the Pack controller (FIN 7HH) (if installed) (Refer to AMM Task 21-61-34-400-001).
  - 9 Remove the protective caps and connect the shelf cut-off connectors.
- (b) Install the shelf 96VU:
- 1 Install the shelf and connect the bonding straps.  
  
NOTE: Attach with the fasteners retained at removal.
  - 2 Install the cabin pressure controller (FIN 12HL) (if removed) (Refer to AMM Task 21-31-34-400-001).
  - 3 Install the heat controller (FIN 10HC) (if removed) (Refer to AMM Task 21-43-34-400-002).
  - 4 Install the air conditioning controller (FIN 57HH) (if removed) (Refer to AMM Task 21-61-34-400-001).
  - 5 Install the EGIU (FIN 22XU2) (if removed) (Refer to AMM Task 24-22-33-400-002).
  - 6 Install the multi-mode receiver (FIN 40RT2) (if removed) (Refer to AMM Task 34-36-31-400-001).
  - 7 Install the ILS receiver (FIN 2RT2) (if installed) (Refer to AMM Task 34-36-31-400-001).
  - 8 Install the BMC (FIN 1HA2) (if installed) (Refer to AMM Task 36-11-34-400-001).
  - 9 Install the Pack controller (FIN 27HH) (if installed) (Refer to AMM Task 21-61-34-400-001).
  - 10 Remove the protective caps and connect the shelf cut-off connectors.
- (c) If removed, install the connectors No. 1939VC, 1941VC, 1943VC, 1945VC, 1947VC, 1949VC, 1951VC, 1953VC, 1955VC, 1957VC, 1959VC, 1961VC, 1963VC, 1965VC, 1967VC, 1969VC, 1971VC, 1973VC, 1975VC, 1977VC, 1979VC, 1981VC, 1983VC, 1985VC, 1987VC, 1989VC, 1991VC, 1997VC and 1999VC.
- (d) Install the ceiling panels in the FWD cargo compartment (Refer to AMM Task 25-54-12-400-002).
- (e) Install the partition panels 131BW, 131AW and 132BW in the FWD cargo compartment (Refer to AMM Task 25-54-11-400-001).



- (f) If removed, install the partition panels (Refer to AMM Task 25-54-12-400-001).

**(2) Subtask 211208-942-001-001 - Close-up**

Manpower Resources	
Skills	NON SPECIFIC

References	
Aircraft Maintenance Manual (AMM)	Task 52-10-00-410-001
	Task 52-30-00-860-002
	Task 52-30-00-860-004
	Task 52-30-00-860-009
	Task 52-41-00-410-002

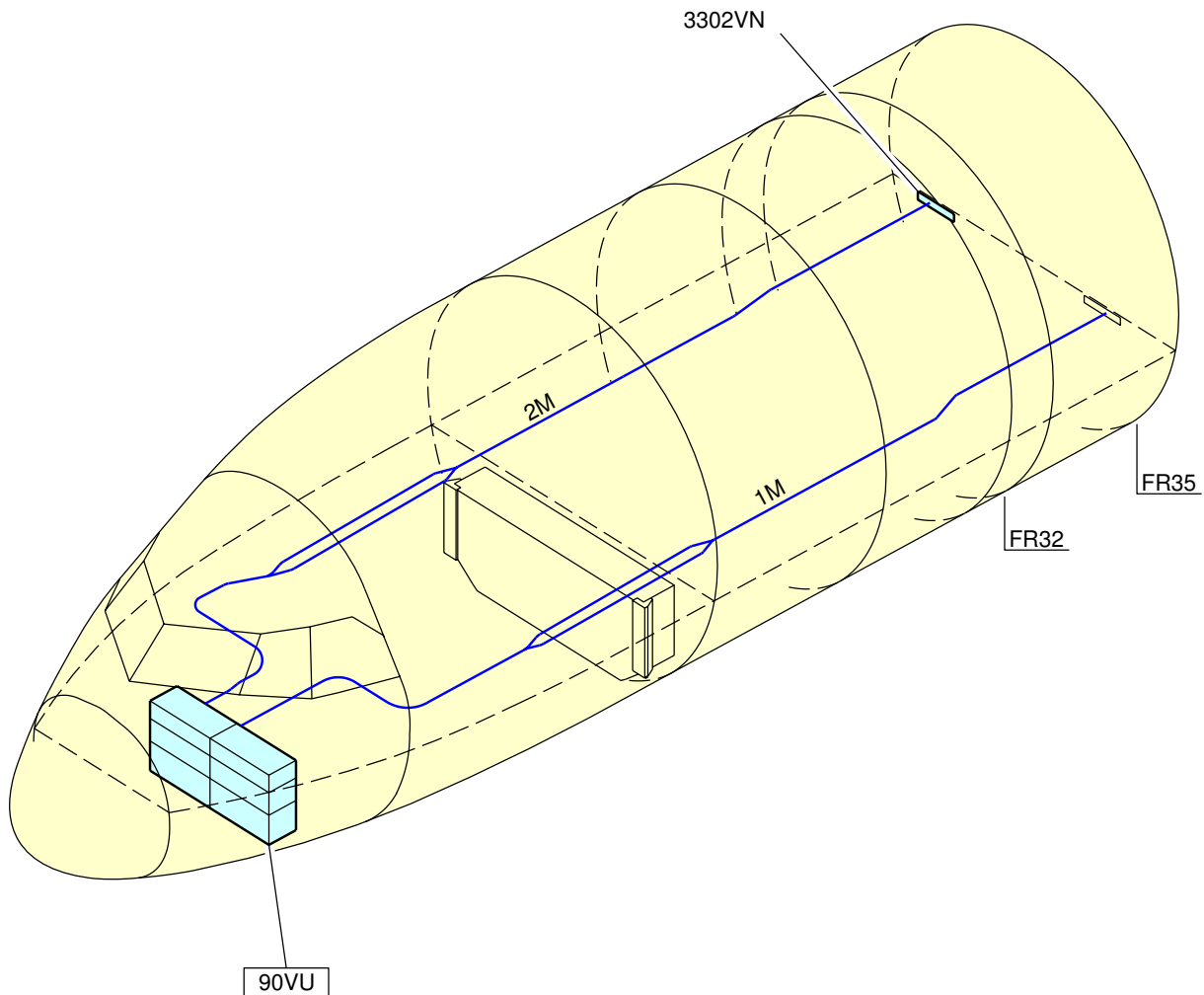
- (a) Close the FWD Cargo Compartment door 825 (Refer to AMM Task 52-30-00-860-002 or AMM Task 52-30-00-860-004 or AMM Task 52-30-00-860-009).
- (b) Close the FWD Passenger/Crew 831 or 841 (Refer to AMM Task 52-10-00-410-001).
- (c) Close the Avionics Compartment doors 811, 812, 822 and 824 (Refer to AMM Task 52-41-00-410-002).
- (d) Restore the system and the aircraft to the normal operating condition.
- (e) Make sure that the work areas are clean and clear of tools and other items of equipment.
- (f) Remove the access platforms.

This Page Intentionally Left Blank

**\*\*CONF ALL**

- (1) For detail concerning the elapsed time assumptions, refer to the Gantt chart shown below:

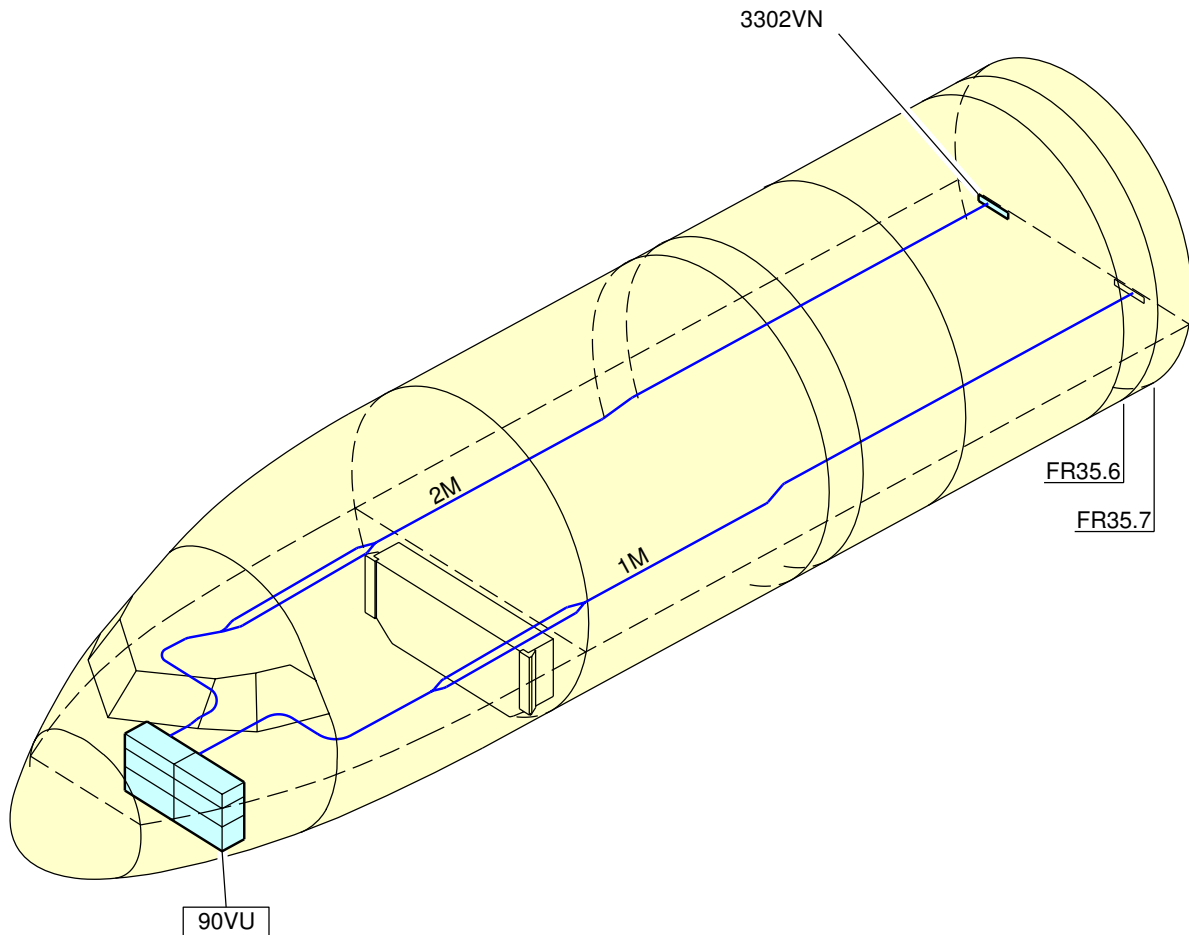
**\*\*CONF 001**



N\_SB\_211208\_5\_BAAA\_01\_01

Figure A-FBAAA - Sheet 01  
Location of the Modification.

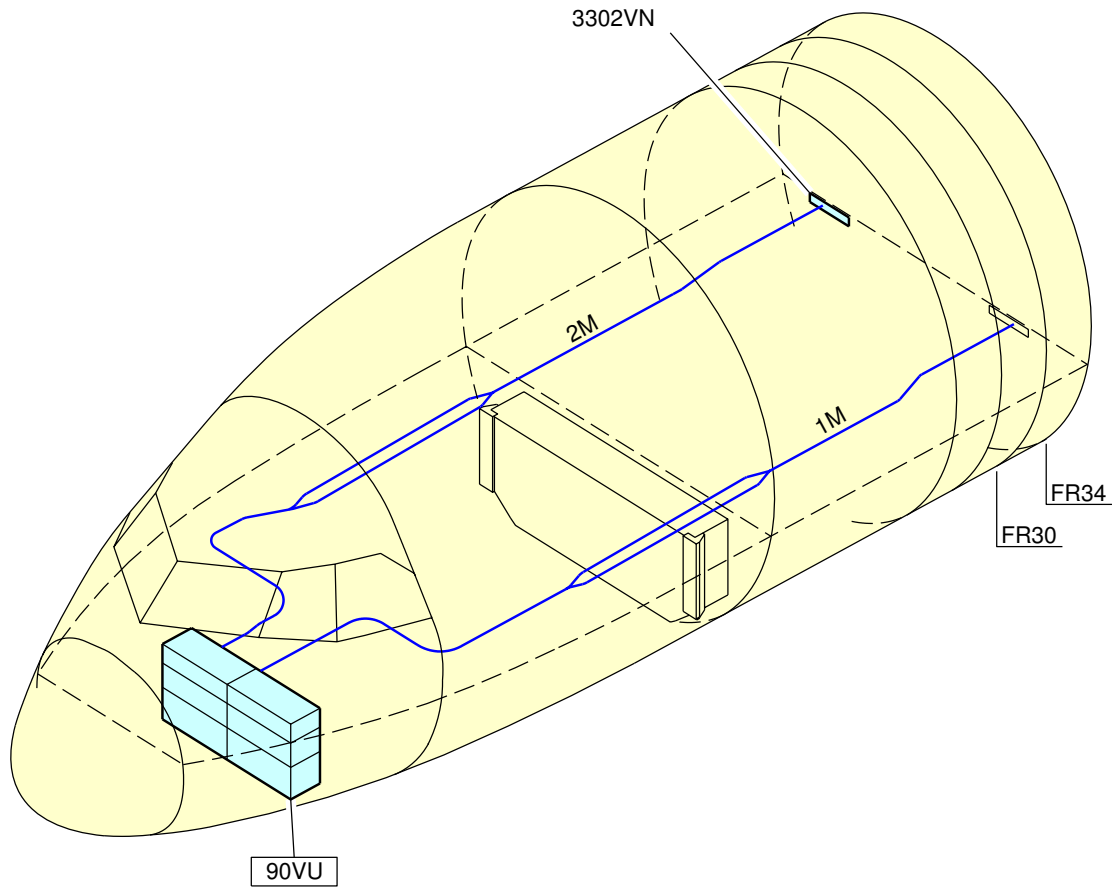
**\*\*CONF 002**



N\_SB\_211208\_5\_BAAB\_01\_01

Figure A-FBAAB - Sheet 01  
Location of the Modification.

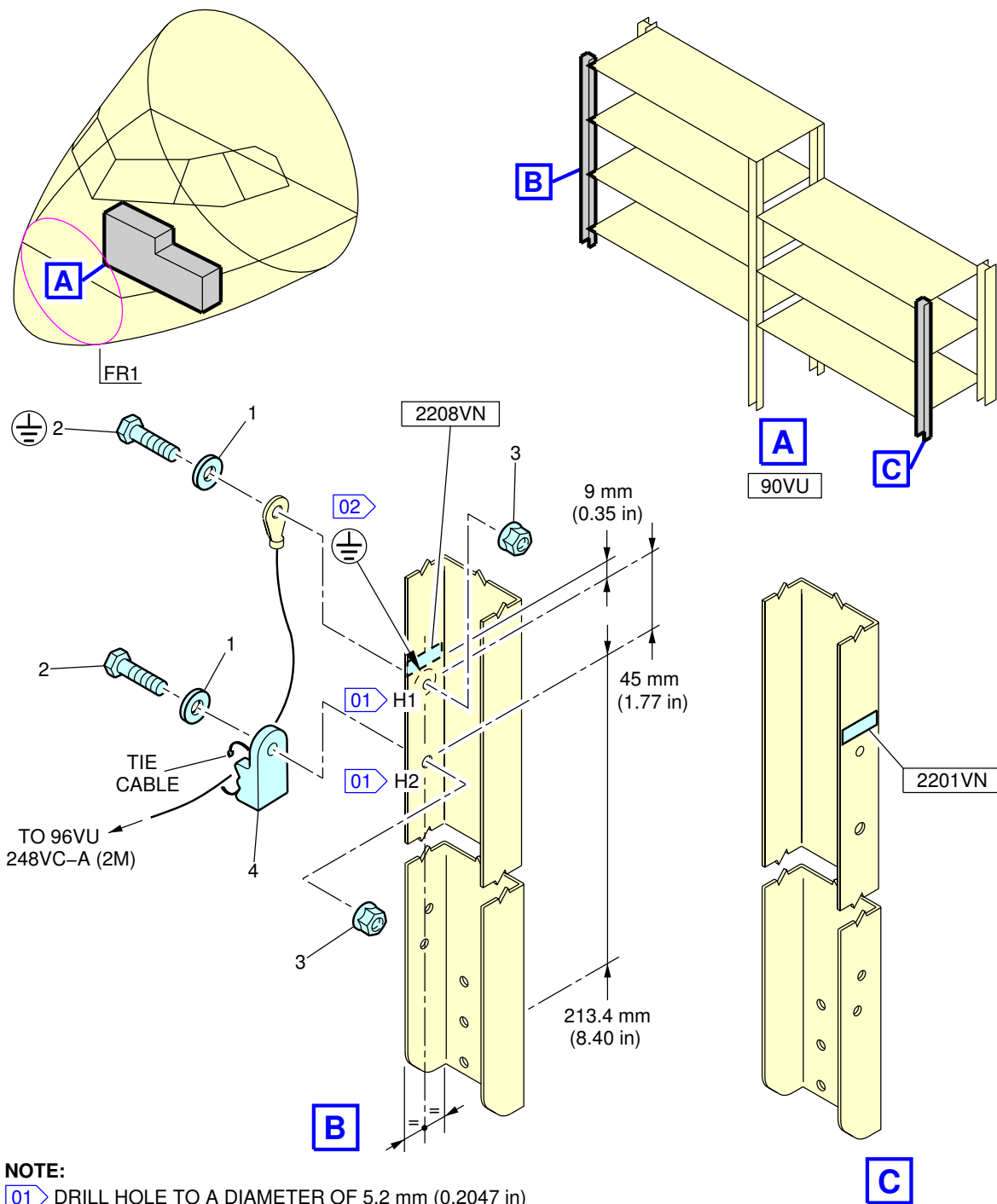
**\*\*CONF 003**



N\_SB\_211208\_5\_BAAC\_01\_01

Figure A-FBAAC - Sheet 01  
Location of the Modification.

**\*\*CONF ALL**



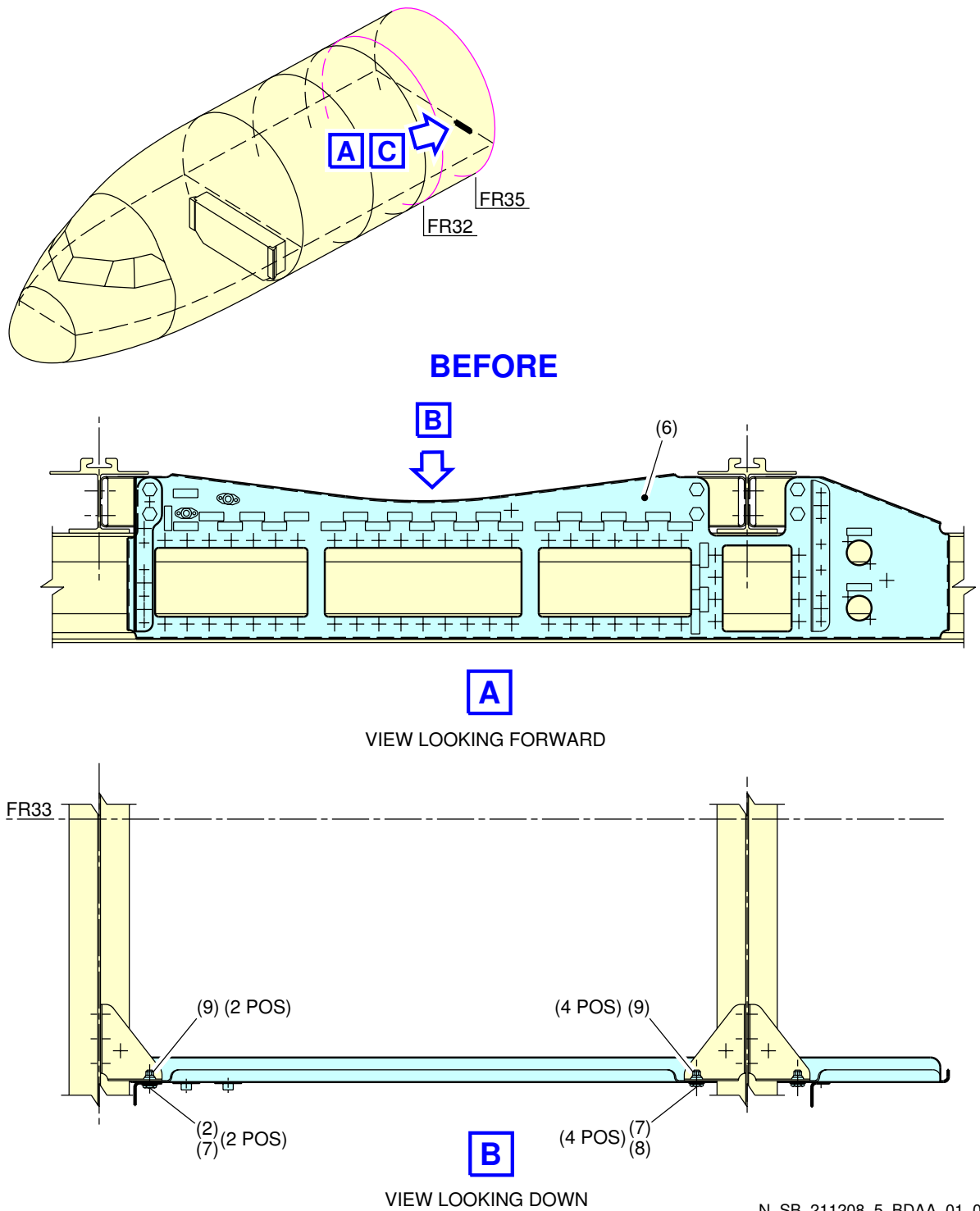
**NOTE:**

- 01** DRILL HOLE TO A DIAMETER OF 5.2 mm (0.2047 in)
- 02** REMOVE THE SURFACE PROTECTION IN A DIAMETER OF 14 mm (0.55 in) ON THE HIDDEN SIDE

N\_SB\_211208\_5\_BBAA\_01\_01

Figure A-FBBAA - Sheet 01  
Installation of the Grounding Point 2208VN and location of the Grounding Point 2201VN.

**\*\*CONF 001**



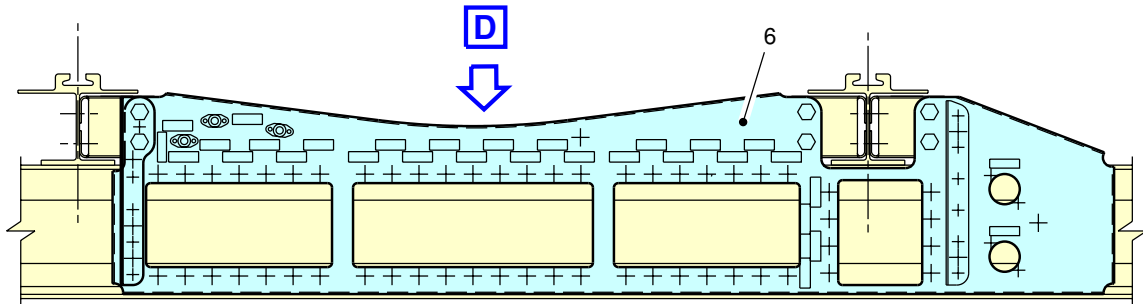
N\_SB\_211208\_5\_BDAA\_01\_00

Figure A-FBDAA - Sheet 01  
Modification of the Plate in the Cargo Compartment.



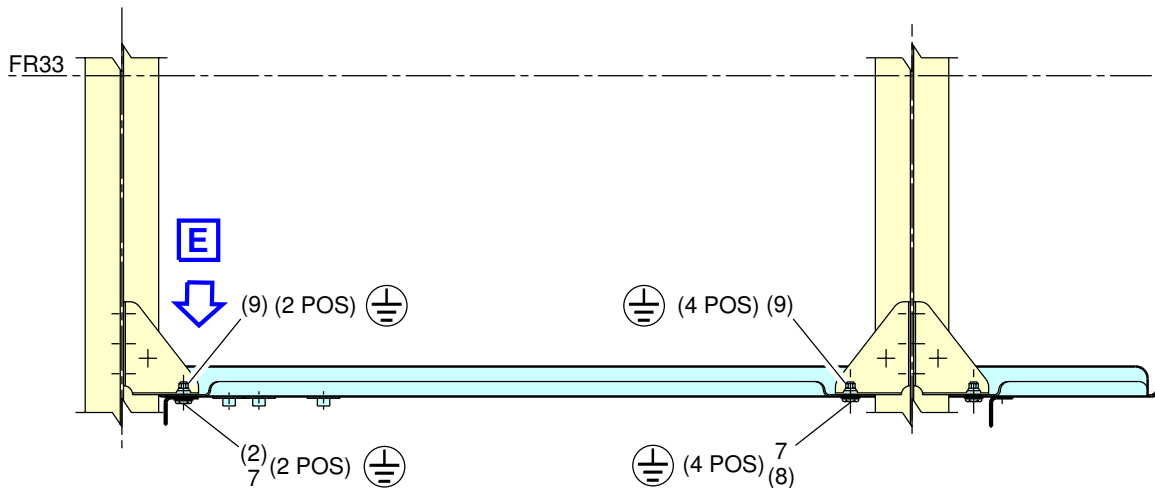
**\*\*CONF 001**

**AFTER**



**C**

VIEW LOOKING FORWARD



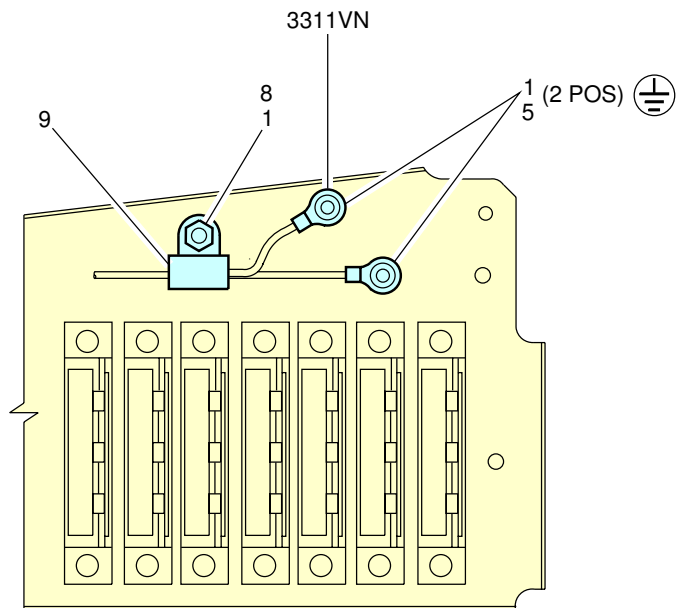
**D**

VIEW LOOKING DOWN

N\_SB\_211208\_5\_BDAA\_02\_01

Figure A-FBDAA - Sheet 02  
Modification of the Plate in the Cargo Compartment.

**\*\*CONF 001**



**E**

N\_SB\_211208\_5\_BDAA\_03\_01

Figure A-FBDAA - Sheet 03  
Modification of the Plate in the Cargo Compartment.

**\*\*CONF 002**

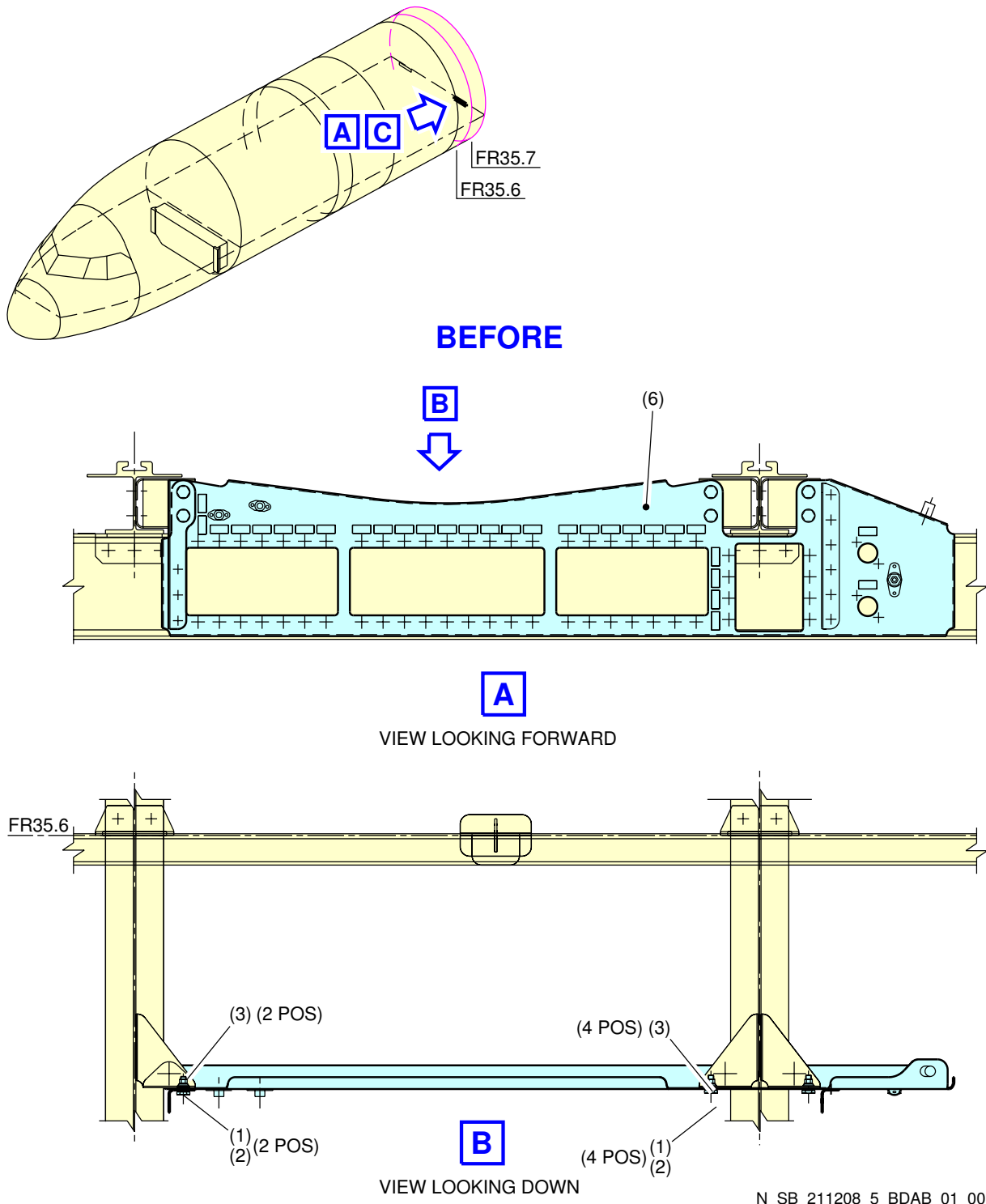
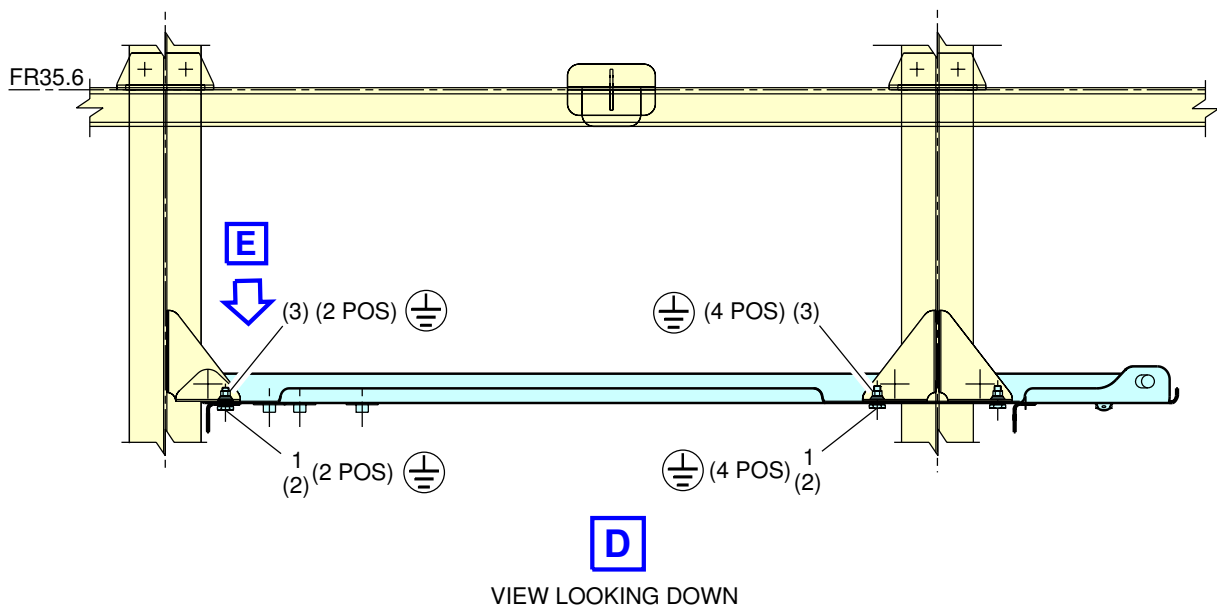
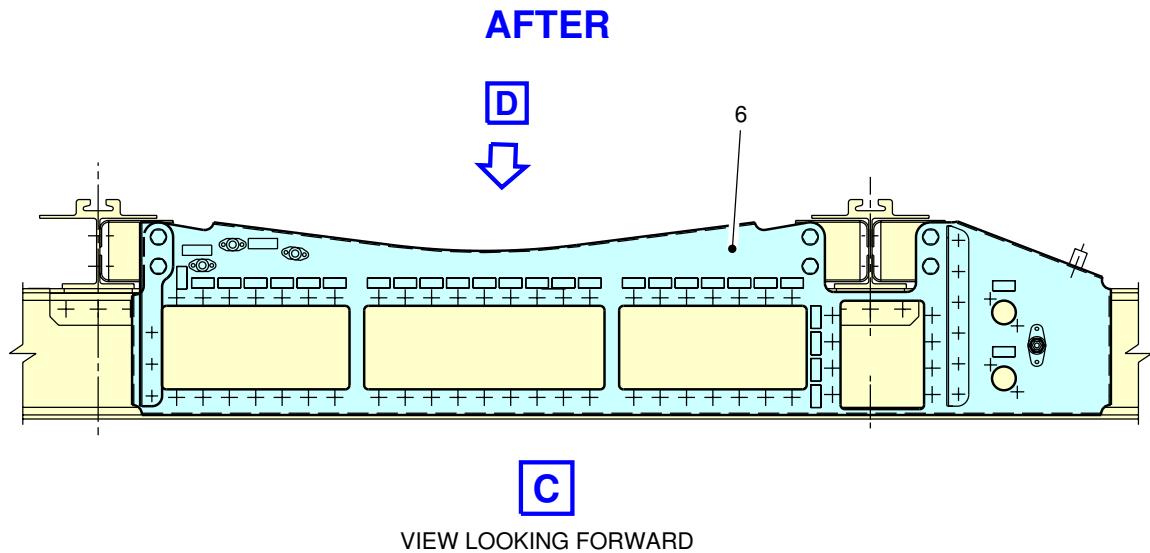


Figure A-FBDAB - Sheet 01  
Modification of the Plate in the Cargo Compartment.

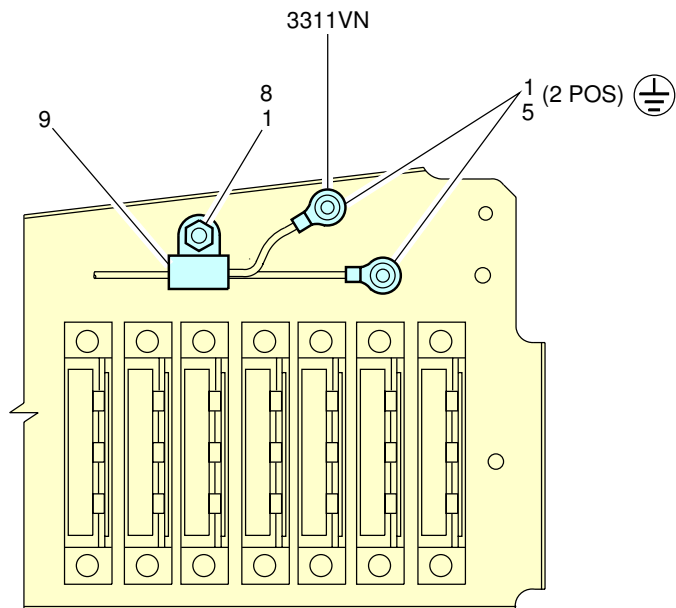
**\*\*CONF 002**



N\_SB\_211208\_5\_BDAB\_02\_02

Figure A-FBDAB - Sheet 02  
Modification of the Plate in the Cargo Compartment.

**\*\*CONF 002**



**E**

N\_SB\_211208\_5\_BDAB\_03\_01

Figure A-FBDAB - Sheet 03  
Modification of the Plate in the Cargo Compartment.

**\*\*CONF 003**

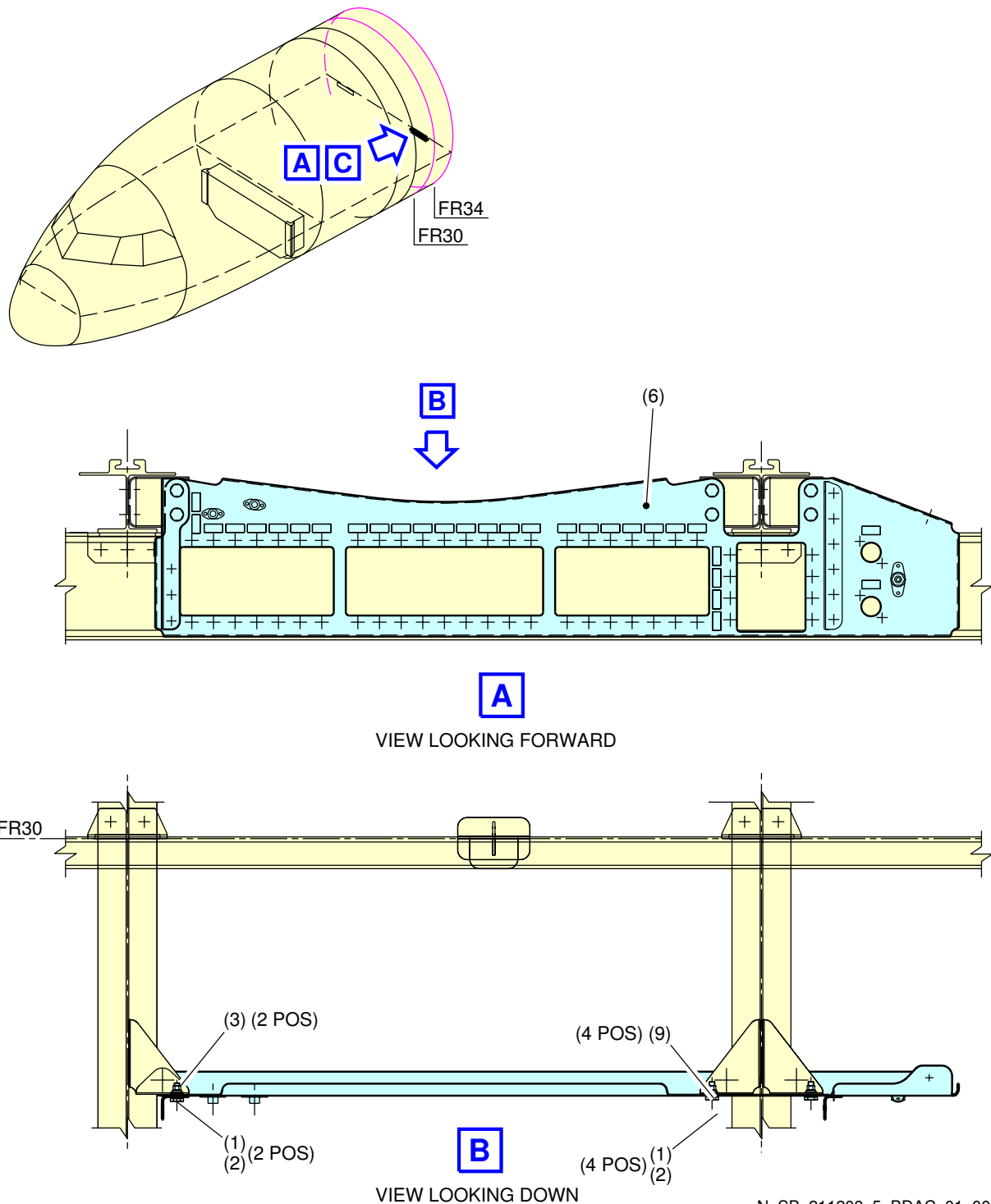
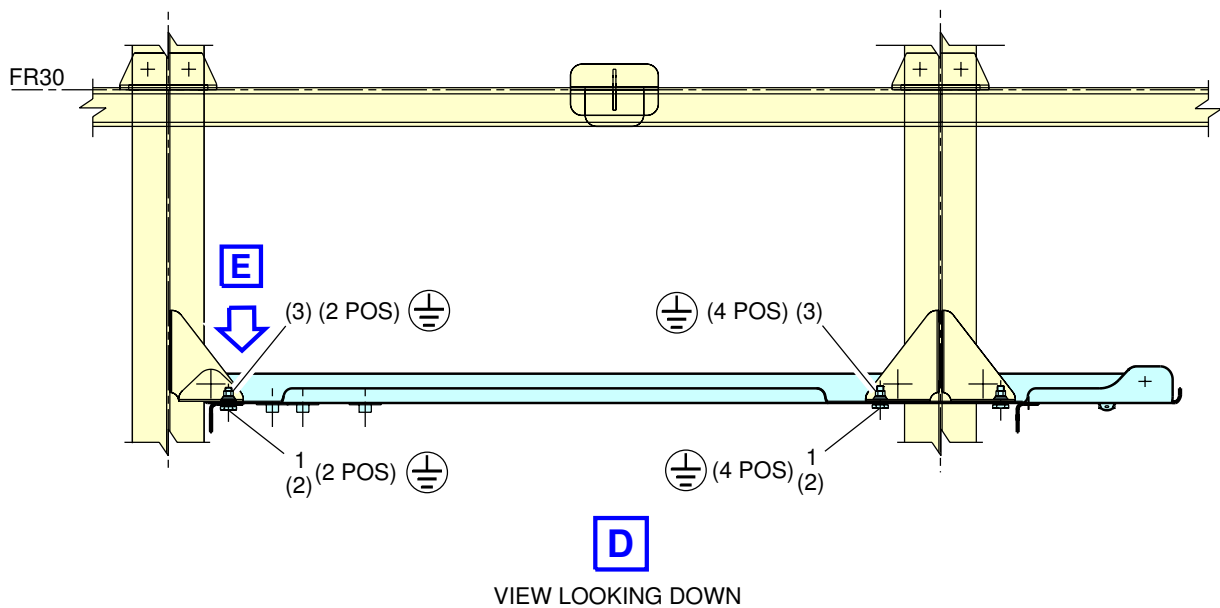
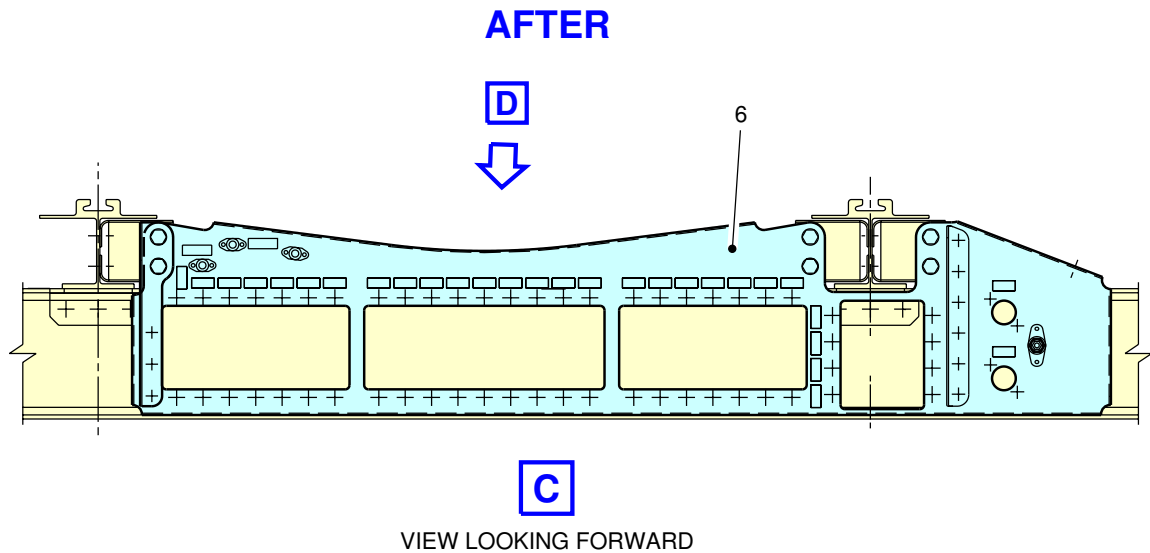


Figure A-FBDAC - Sheet 01  
Modification of the Plate in the Cargo Compartment.

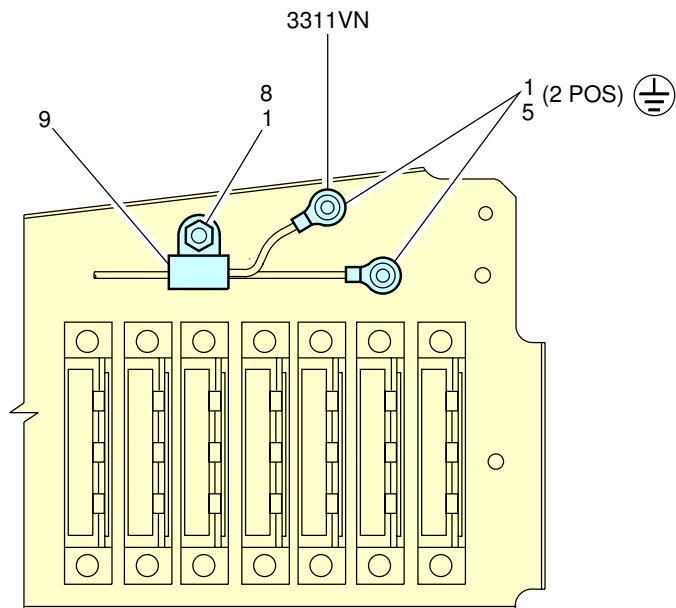
**\*\*CONF 003**



N\_SB\_211208\_5\_BDAC\_02\_02

Figure A-FBDAC - Sheet 02  
Modification of the Plate in the Cargo Compartment.

**\*\*CONF 003**



**E**

N\_SB\_211208\_5\_BDAC\_03\_01

Figure A-FBDAC - Sheet 03  
Modification of the Plate in the Cargo Compartment.

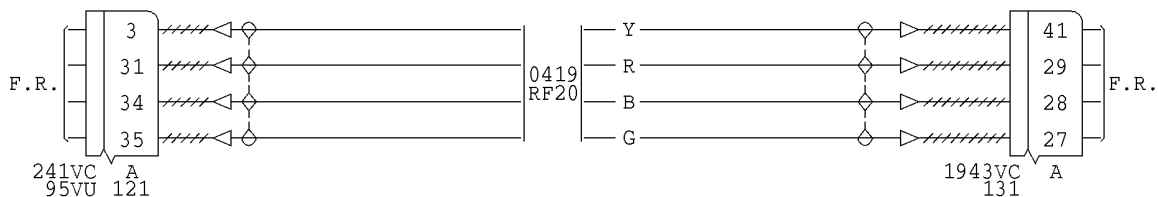


# **A318/A319/A320/A321**

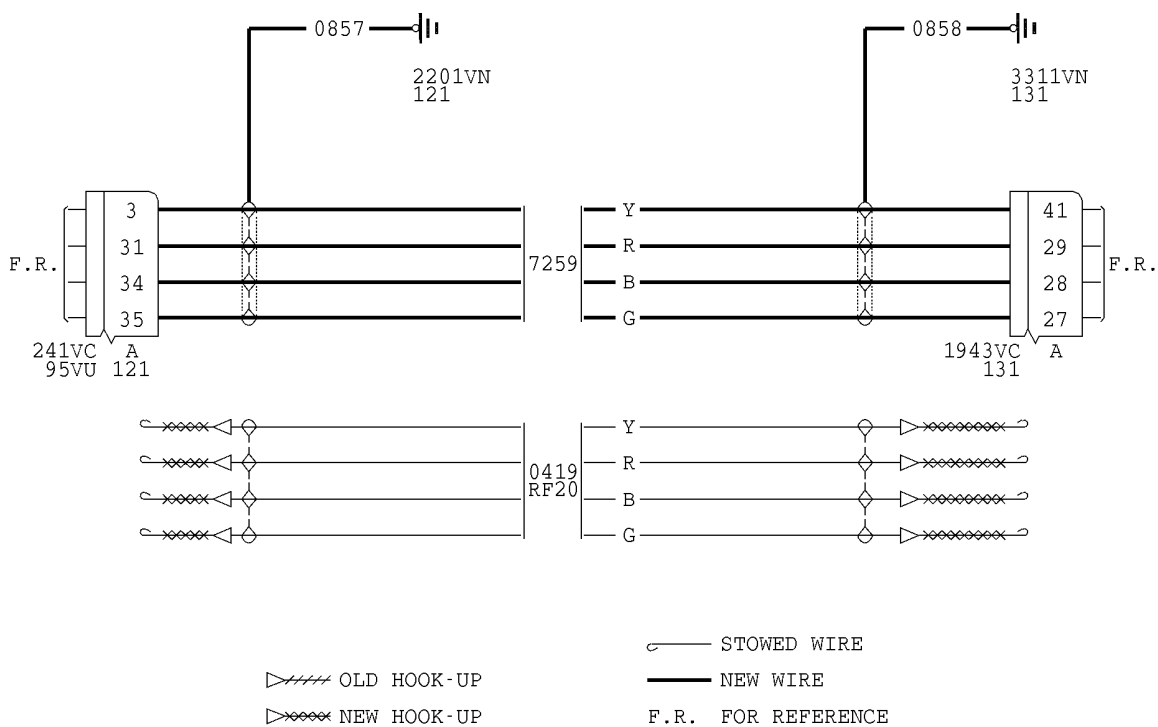
## SERVICE BULLETIN Appendix 01 - Elapsed Time Assumptions

**\*\*CONF ALL**

BEFORE



AFTER



NOTE : UNLESS OTHERWISE SPECIFIED PREFIX ALL WIRE IDENTIFICATION WITH ATA 2161  
 UNLESS OTHERWISE SPECIFIED ALL WIRES ARE MLD20 GAUGE  
 UNLESS OTHERWISE SPECIFIED ALL ROUTES ARE 1M  
 SHIELDING CONTINUITY WIRES ARE CF24 GAUGE

N\_SB\_211208\_5\_WAAA\_01\_00

Figure A-FWAAA - Sheet 01  
 Modification of the wiring between the Avionics and the Cargo Compartment (LH Side).

**\*\*CONF ALL**

Line	END1				LEAD						END2				Instructions
	Zone or Panel	Elec. Ident.	Term	Terminal P/N	Wire Ident.	Co	Rte	Gauge	Lenght		Zone or Panel	Elec. Ident.	Term	Terminal P/N	
									mm	Inch					
1	95VU	241VC-A	34	NSA936604CA0931	2161-0419	B	1M	RF20			131	1943VC	28		M1O+M2O
2	95VU	214VC-A	WS		2161-0419	B	1M	RF20			131	1943VC	WS	NSA936604CA0931	M1N+M2N (1)
3	95VU	241VC-A	35		2161-0419	G	1M	RF20			131	1943VC	27		M1O+M2O
4	95VU	214VC-A	WS		2161-0419	G	1M	RF20			131	1943VC	WS	NSA936604CA0931	M1N+M2N (1)
5	95VU	241VC-A	31		2161-0419	R	1M	RF20			131	1943VC	29		M1O+M2O
6	95VU	214VC-A	WS		2161-0419	R	1M	RF20			131	1943VC	WS	NSA936604CA0931	M1N+M2N (1)
7	95VU	241VC-A	3		2161-0419	Y	1M	RF20			131	1943VC	41		M1O+M2O
8	95VU	214VC-A	WS		2161-0419	Y	1M	RF20			131	1943VC	WS	NSA936604CA0931	M1N+M2N (1)
9															
10															
11															
12	95VU	241VC-A	SH		2161G7259		1M	MLD20	26500	1060	131	1943VC	SH		(b) A
13	95VU	241VC-A	34	EN3155-015F2018	2161-7259	B	1M	MLD20	26500	1060	131	1943VC	28	EN3155-015F2018	(b) A
14	95VU	241VC-A	35	EN3155-015F2018	2161-7259	G	1M	MLD20	26500	1060	131	1943VC	27	EN3155-015F2018	(b) A
15	95VU	241VC-A	31	EN3155-015F2018	2161-7259	R	1M	MLD20	26500	1060	131	1943VC	29	EN3155-015F2018	(b) A
16	95VU	241VC-A	3	EN3155-015F2018	2161-7259	Y	1M	MLD20	26500	1060	131	1943VC	41	EN3155-015F2018	(b) A
17	95VU	2161G7259	W.F.	E0160-1-1H	2161-0857		1M	CF24	500	20	121	2201VN	GND	NSA936501TA2206	(b) A
18	131	2161G7259	W.F.	E0160-1-1H	2161-0858		1M	CF24	1000	40	131	3311VN	GND	NSA936501TA2206	(b) A
19															
20															
21															
22															
23															
24															
25															
(b) = BUNDLE D9000095225695 M1N+M2N= NEW HOOK-UP ON END 1 AND 2 (1) = TERMINALS SUPPLIED IN BUNDLE WS = WIRE STOWED A = ADDED WIRE SH = SHIELD D9000095225695 M1O+M2O= OLD HOOK-UP ON END 1 AND 2 W.F. = WIRE FERRULE GND = GROUND															

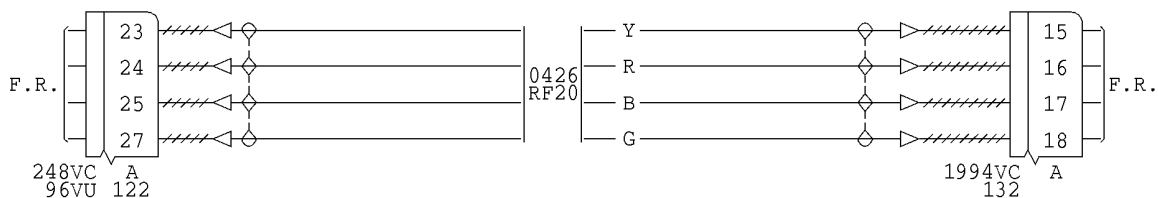
Figure A-FHAAA - Sheet 01  
Hook-up Chart of the Modification of the wiring between the Avionics and the Cargo Compartment (LH Side).

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

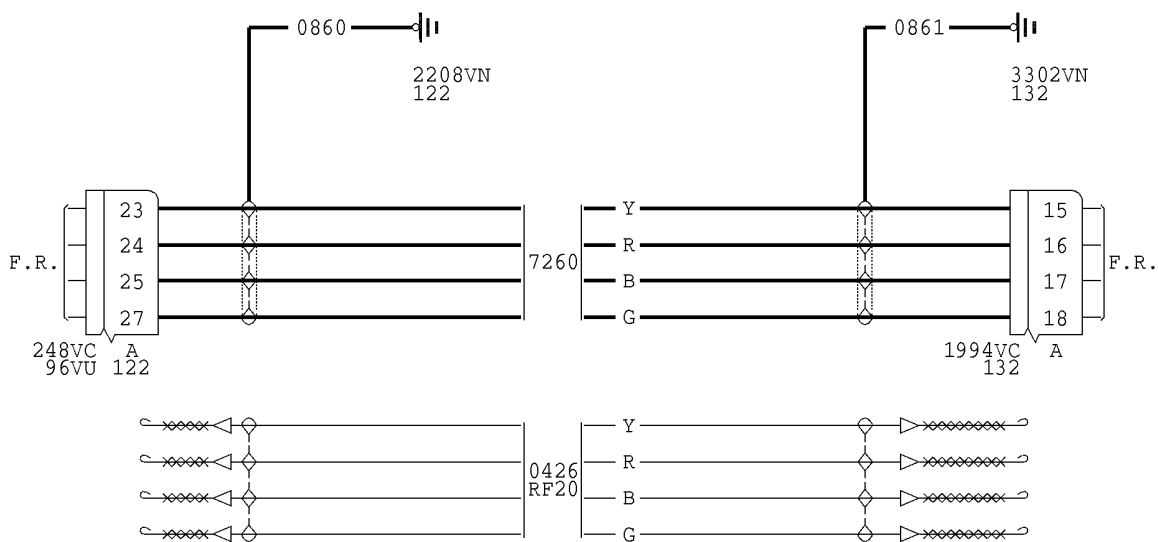
## SERVICE BULLETIN Appendix 01 - Elapsed Time Assumptions

**\*\*CONF ALL**

BEFORE



AFTER



 OLD HOOK-UP  
 NEW HOOK-UP  
 STOWED WIRE  
 NEW WIRE  
 F.R. FOR REFERENCE

NOTE : UNLESS OTHERWISE SPECIFIED PREFIX ALL WIRE IDENTIFICATION WITH ATA 2161  
 UNLESS OTHERWISE SPECIFIED ALL WIRES ARE MLD20 GAUGE  
 UNLESS OTHERWISE SPECIFIED ALL ROUTES ARE 2M  
 SHIELDING CONTINUITY WIRES ARE CF24 GAUGE

N\_SB\_211208\_5\_WBAA\_01\_00

Figure A-FWBAA - Sheet 01  
 Modification of the wiring between the Avionics and the Cargo Compartment (RH Side).

**\*\*CONF ALL**

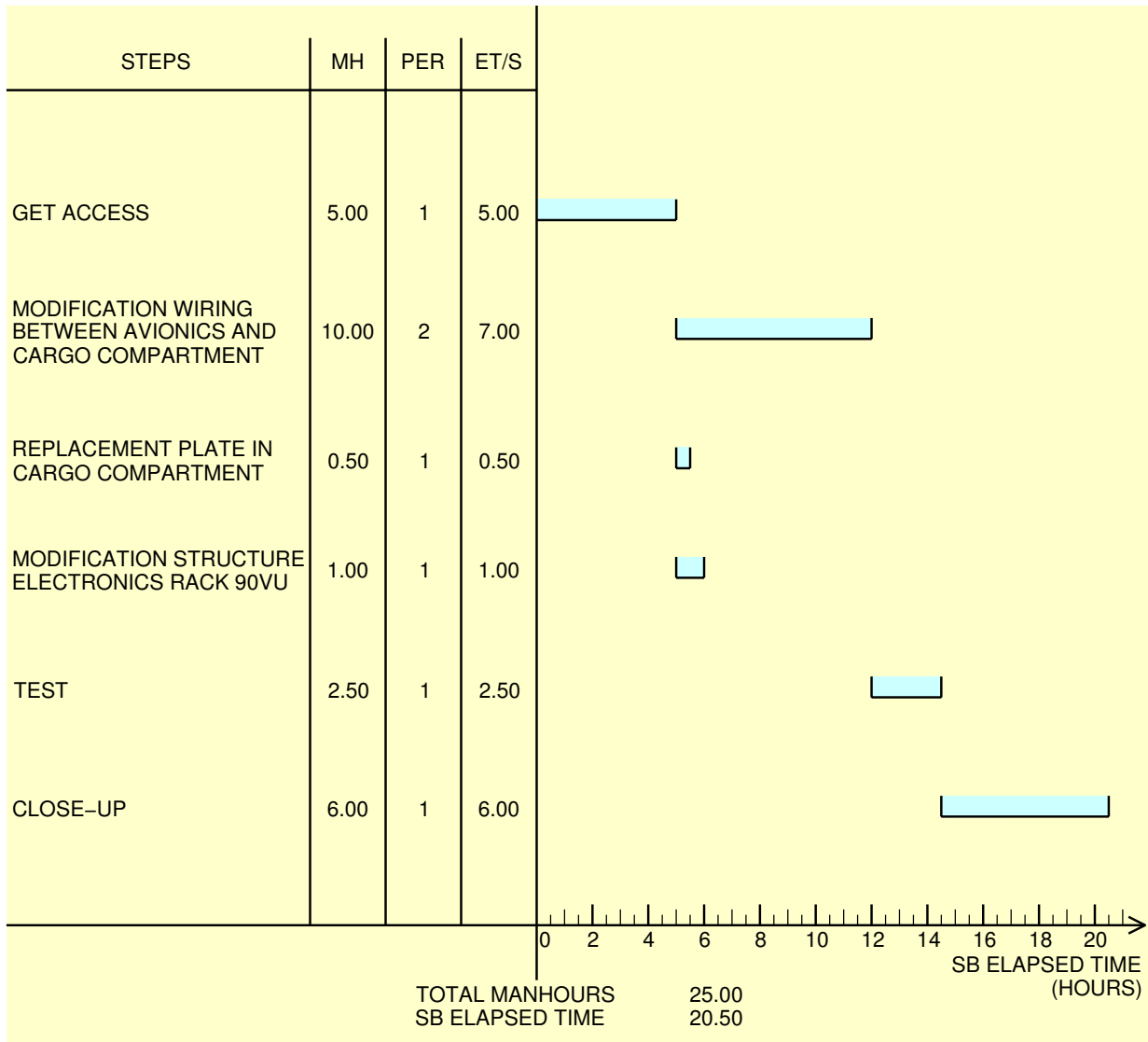
Line	END1				LEAD						END2				Instructions
	Zone or Panel	Elec.Ident.	Term	Terminal P/N	Wire Ident.	Co	Rte	Gauge	Lenght		Zone or Panel	Elec.Ident.	Term	Terminal P/N	
									mm	Inch					
1	96VU	248VC-A	25	NSA936604CA0931	2161-0426	B	2M	RF20			132	1994VC	17		M1O+M2O
2	96VU	248VC-A	WS		2161-0426	B	2M	RF20			132	1994VC	WS	NSA936604CA0931	M1N+M2N (1)
3	96VU	248VC-A	27		2161-0426	G	2M	RF20			132	1994VC	18		M1O+M2O
4	96VU	248VC-A	WS		2161-0426	G	2M	RF20			132	1994VC	WS	NSA936604CA0931	M1N+M2N (1)
5	96VU	248VC-A	24		2161-0426	R	2M	RF20			132	1994VC	16		M1O+M2O
6	96VU	248VC-A	WS		2161-0426	R	2M	RF20			132	1994VC	WS	NSA936604CA0931	M1N+M2N (1)
7	96VU	248VC-A	23		2161-0426	Y	2M	RF20			132	1994VC	15		M1O+M2O
8	96VU	248VC-A	WS		2161-0426	Y	2M	RF20			132	1994VC	WS	NSA936604CA0931	M1N+M2N (1)
9															
10															
11															
12	96VU	248VC-A	SH		2161G7260		2M	MLD20	26500	1060	132	1994VC	SH		(b) A
13	96VU	248VC-A	25	EN3155-015F2018	2161-7260	B	2M	MLD20	26500	1060	132	1994VC	17	EN3155-015F2018	(b) A
14	96VU	248VC-A	27	EN3155-015F2018	2161-7260	G	2M	MLD20	26500	1060	132	1994VC	18	EN3155-015F2018	(b) A
15	96VU	248VC-A	24	EN3155-015F2018	2161-7260	R	2M	MLD20	26500	1060	132	1994VC	16	EN3155-015F2018	(b) A
16	96VU	248VC-A	23	EN3155-015F2018	2161-7260	Y	2M	MLD20	26500	1060	132	1994VC	15	EN3155-015F2018	(b) A
17	96VU	2161G7260	W.F.	E0160-1-1H	2161-0860		2M	CF24	1000	40	122	2208VN	GND	NSA936501TA2206	(b) A
18	132	2161G7260	W.F.	E0160-1-1H	2161-0861		2M	CF24	1500	60	132	3302VN	GND	NSA936501TA2206	(b) A
19															
20															
21															
22															
23															
24															
25															
(b) = BUNDLE D9000095225695 M1N+M2N= NEW HOOK-UP ON END 1 AND 2 (1) = TERMINALS SUPPLIED IN BUNDLE WS = WIRE STOWED A = ADDED WIRE SH = SHIELD D9000095225695 M1O+M2O= OLD HOOK-UP ON END 1 AND 2 W.F. = WIRE FERRULE GND = GROUND															

Figure A-FHBAA - Sheet 01  
Hook-up Chart of the Modification of the wiring between the Avionics and the Cargo Compartment (RH Side).

**\*\*CONF ALL**

ELAPSED TIME ASSUMPTION SERVICE BULLETIN No. A320-21-1208

01  
02



**NOTES:**

- 01 THIS CHART IS ONLY A PROPOSAL. OPERATORS MAY DETERMINE THAT ANOTHER WAY TO DO THE WORK IS MORE SUITABLE FOR THEM.
- 02 IF A VSB IS INVOLVED, THE ASSOCIATED MANHOURS ARE NOT REFLECTED IN THIS GANTT CHART.

MH : MANHOURS  
PER: NUMBER OF PERSONS  
ET/S: ELAPSED TIME PER STEP

N\_SB\_211208\_5\_AAAB\_01\_00

Figure A-FAAAB - Sheet 01  
Gantt Chart

SERVICE BULLETIN  
REPORTING SHEET**TITLE: AIR CONDITIONING - REMOVE INTERFERENCES BETWEEN ACSC  
AND LGCIU SIGNALS BY SHIELDING OF 47HH AND 57HH WIRE**

MODIFICATION No.: 153571K15409

Please complete the appropriate item (A or B):

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

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

B - SB HAS BEEN embodied on aircraft:

Operator comments:

From Airline:

Name/Title:

Signature:

Date:

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

Either: Modification Operational Impact (MOI), if available

YES/NO

Or : Intermediate revision

YES/NO

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

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

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

Please return this completed sheet to:

AIRBUS  
CUSTOMER SERVICES DIRECTORATE  
1 Rond Point Maurice Bellonte  
31707 BLAGNAC CEDEX FRANCE

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

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

SERVICE BULLETIN  
QUALITY PERCEPTION FORM

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

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

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

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

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

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

Comments:

Operator:

Date:

Name/Title:

Please return this form to:

AIRBUS  
CUSTOMER SERVICES DIRECTORATE  
1 Rond Point Maurice Bellonte  
31707 BLAGNAC CEDEX FRANCE

Attn : SEM4 Service Bulletins Management  
FAX : (33) 5 61 93 42 51

Or via your Resident Customer Support Office.