

A318/A319/A320/A321

SERVICE BULLETIN REVISION TRANSMITTAL SHEET

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MANDATORY MANDATORY MANDATORY

ATA SYSTEM: 53

**TITLE: FUSELAGE - REAR FUSELAGE - APPLY COLD WORKING AND
REPLACE RIVETS IN THE POTABLE WATER SERVICE PANEL AREA
AT S18**

MODIFICATION No.: 153074G0791

This page transmits Revision No.02 of Service Bulletin No.A320-53-1272

ADDITIONAL WORK

****CONF ALL**

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

REASON

Revision No. 02 issued to do some updates as follow

- to update the effectivity to include all A321 aircraft,
- to update the thresholds,
- to do some minor corrections.

CHANGES

FRONT MATTER		
FUSELAGE - REAR FUSELAGE - APPLY COLD WORKING AND REPLACE RIVETS IN THE POTABLE WATER SERVICE PANEL AREA AT S18	CONFIGURATION UPDATED	R
SUMMARY		
REASON/DESCRIPTION/OPERATIONAL CONSEQUENCES	REASON UPDATED	R
GENERAL EVALUATION	GENERAL EVALUATION TABLE UPDATED	R
MATERIAL PRICE INFORMATION	MATERIAL PRICE INFORMATION TABLE ADDED	N
	MATERIAL PRICE INFORMATION TABLE ADDED	N
	MATERIAL PRICE INFORMATION TABLE ADDED	N

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EFFECTIVITY	OPERATOR LIST UPDATED	R
REFERENCES / REPERCUSSIONS	REFERENCES/REPERCUSSIONS TABLE UPDATED	R
MANPOWER	MANPOWER UPDATED	R
	MANPOWER UPDATED	R
	MANPOWER ADDED	N
	MANPOWER ADDED	N
	MANPOWER ADDED	N
PLANNING INFORMATION		
EFFECTIVITY	EFFECTIVITY RELATED INFORMATION UPDATED	R
Configuration definition	CONFIGURATION LIST UPDATED	R
CONF 001	CONFIGURATION DEFINITION UPDATED CONFIGURATION DESCRIPTION UPDATED	R
CONF 002	CONFIGURATION DEFINITION UPDATED CONFIGURATION DESCRIPTION UPDATED	R
CONF 003	CONFIGURATION ADDED	N
CONF 004	CONFIGURATION ADDED	N
CONF 005	CONFIGURATION ADDED	N
REASON		
History	HISTORY UPDATED	R
Operational/Maintenance Consequences	OPERATIONAL/MAINTENANCE CONSEQUENCES UPDATED	R
DESCRIPTION	DESCRIPTION UPDATED	R
COMPLIANCE		
Classification	CLASSIFICATION UPDATED	R
Accomplishment Timescale	ACCOMPLISHMENT TIMESCALE UPDATED	R
Accomplishment Timescale	ACCOMPLISHMENT TIMESCALE UPDATED	R
Accomplishment Timescale	ACCOMPLISHMENT TIMESCALE ADDED	N
Accomplishment Timescale	ACCOMPLISHMENT TIMESCALE ADDED	N
Accomplishment Timescale	ACCOMPLISHMENT TIMESCALE ADDED	N
MANPOWER	MANPOWER UPDATED	R
	MANPOWER UPDATED	R
	MANPOWER ADDED	N
	MANPOWER ADDED	N
	MANPOWER ADDED	N
REFERENCES	REFERENCED DOCUMENTATION ADDED	N
	REFERENCED DOCUMENTATION ADDED	N
	REFERENCED DOCUMENTATION ADDED	N
PUBLICATION AFFECTED	PUBLICATIONS AFFECTED UPDATED	R
MATERIAL INFORMATION		
MATERIAL - PRICE AND AVAILABILITY		
Procurement Addresses	PROCUREMENT ADDRESSES UPDATED MATERIAL SET UPDATED	R
TOOLING		
Tools		

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Standard tool TOOLC01	TOOL MATERIAL SET UPDATED	R
ACCOMPLISHMENT INSTRUCTIONS		
TASK 531272- 831-942-001-Modification	TASK SOLUTION UPDATED NOTE UPDATED	R
Task associated data - 001	MAN HOURS UPDATED	R
Task associated data - 002	MAN HOURS UPDATED	R
Task associated data - 003	TASK ASSOCIATED DATA ADDED	N
Task associated data - 004	TASK ASSOCIATED DATA ADDED	N
Task associated data - 005	TASK ASSOCIATED DATA ADDED	N
Subtask 531272-910-601-002	SUBTASK SOLUTION UPDATED	R
Subtask 531272-910-601-002	SUBTASK SOLUTION UPDATED	R
Subtask 531272-910-601-002	SUBTASK SOLUTION ADDED	N
Subtask 531272-839-601-001	SUBTASK SOLUTION ADDED	N
Subtask 531272-910-601-002	SUBTASK SOLUTION ADDED	N
Subtask 531272-839-601-001	SUBTASK SOLUTION ADDED	N
Subtask 531272-910-601-002	SUBTASK SOLUTION ADDED	N
Subtask 531272-839-601-001	SUBTASK SOLUTION ADDED	N
Subtask 531272-941-601-001	SUBTASK SOLUTION UPDATED	R
Subtask 531272-941-601-001	SUBTASK SOLUTION UPDATED	R
Subtask 531272-941-601-001	SUBTASK SOLUTION ADDED	N
Subtask 531272-941-601-001	SUBTASK SOLUTION ADDED	N
Subtask 531272-941-601-001	SUBTASK SOLUTION ADDED	N
Subtask 531272-020-601-001	SUBTASK SOLUTION UPDATED CONFIGURATION UPDATED FIGURE REFERENCE UPDATED	R
Subtask 531272-250-601-001	SUBTASK SOLUTION UPDATED	R
Subtask 531272-831-601-001	SUBTASK SOLUTION UPDATED MATERIAL LIST UPDATED	R
Subtask 531272-420-601-001	SUBTASK SOLUTION UPDATED REFERENCED DOCUMENTATION UPDATED REFERENCES UPDATED	R
Subtask 531272-370-601-001	SUBTASK SOLUTION UPDATED	R
Subtask 531272-020-601-001	SUBTASK SOLUTION UPDATED CONFIGURATION UPDATED FIGURE REFERENCE UPDATED	R
Subtask 531272-250-601-001	SUBTASK SOLUTION UPDATED	R
Subtask 531272-831-601-001	SUBTASK SOLUTION UPDATED MATERIAL LIST UPDATED	R
Subtask 531272-420-601-001	SUBTASK SOLUTION UPDATED REFERENCED DOCUMENTATION UPDATED REFERENCES UPDATED	R
Subtask 531272-370-601-001	SUBTASK SOLUTION UPDATED	R
Subtask 531272-020-601-001	SUBTASK SOLUTION ADDED	N
Subtask 531272-250-601-001	SUBTASK SOLUTION ADDED	N
Subtask 531272-831-601-001	SUBTASK SOLUTION ADDED	N
Subtask 531272-370-602-001	SUBTASK SOLUTION ADDED	N
Subtask 531272-420-601-001	SUBTASK SOLUTION ADDED	N
Subtask 531272-370-601-001	SUBTASK SOLUTION ADDED	N

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Subtask 531272-020-601-001	SUBTASK SOLUTION ADDED	N
Subtask 531272-250-601-001	SUBTASK SOLUTION ADDED	N
Subtask 531272-831-601-001	SUBTASK SOLUTION ADDED	N
Subtask 531272-370-602-001	SUBTASK SOLUTION ADDED	N
Subtask 531272-420-601-001	SUBTASK SOLUTION ADDED	N
Subtask 531272-370-601-001	SUBTASK SOLUTION ADDED	N
Subtask 531272-020-601-001	SUBTASK SOLUTION ADDED	N
Subtask 531272-250-601-001	SUBTASK SOLUTION ADDED	N
Subtask 531272-831-601-001	SUBTASK SOLUTION ADDED	N
Subtask 531272-370-602-001	SUBTASK SOLUTION ADDED	N
Subtask 531272-420-601-001	SUBTASK SOLUTION ADDED	N
Subtask 531272-370-601-001	SUBTASK SOLUTION ADDED	N
Subtask 531272-942-601-001	SUBTASK SOLUTION UPDATED	R
Subtask 531272-942-601-001	SUBTASK SOLUTION UPDATED	R
Subtask 531272-942-601-001	SUBTASK SOLUTION ADDED	N
Subtask 531272-942-601-001	SUBTASK SOLUTION ADDED	N
Subtask 531272-942-601-001	SUBTASK SOLUTION ADDED	N
Fig. A-SBAAA		
Fig. A-SBAAA Sheet 02	SHEET UPDATED	R

FILLING INSTRUCTIONS

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

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

HISTORY OF PREVIOUS REVISIONS

Revision No. 01 issued to do some updates as follow

to update the effectivity to include all A319 and all A320 aircraft,

to change the compliances from OPTIONAL to RECOMMENDED,

to update the man hours,

to divide the accomplishment instruction in several tasks to reflect the requirements for job cards,

to update the CML numbering,

to do some minor corrections.

REVISION SEQUENCE

ORIGINAL: Jan 10/13

REVISION No. : 01 - Aug 06/13

REVISION No. : 02 - May 19/14

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

MANDATORY MANDATORY MANDATORY

ATA SYSTEM: 53

**TITLE: FUSELAGE - REAR FUSELAGE - APPLY COLD WORKING AND
REPLACE RIVETS IN THE POTABLE WATER SERVICE PANEL AREA
AT S18**

****CONF ALL**

MODIFICATIONS

MODIFICATION CLASSIFICATION					
MAJOR	153074G0791				
MINOR	None				

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

As a result of fatigue tests for Extended Service Goal 1 (ESG1) for the A319, A320 and A321 aircraft, the potable water service panel cutout must be reinforced.

This Service Bulletin gives the procedure to apply cold working on two rivet rows between FR65 and FR66 and between STGR37 and STGR38.

NOTE: Prior to the embodiment of this Service Bulletin it must be checked if there is any repair in the modification area. Take as a reference 250mm (10 inches) around the modification area to verify the presence of previous repairs. In case of finding, contact to Airbus to obtain the necessary instructions and accomplish those instructions accordingly.

This Service Bulletin has been validated at original issue on A320 aircraft with Manufacturer Serial Number (MSN) 0401.

A booklet including photographs taken during the validation of this Service Bulletin is available on AIRBUS|World - Maintenance and Engineering - AirN@v engineering (in the concerned SB file).

The accomplishment of this Service Bulletin will reinforce the specified area and will contribute to ensure the ESG1.

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The accomplishment of this Service Bulletin cancels:

- the A319-100 TASK 534125-01-2 (pre-mod 160001J3282) and TASK 534125-01-5 (post-mod 160001J3282),
- the A320-200 TASK 534125-01-3 (pre-mod 160001J3282) and TASK 534125-01-6 (post-mod 160001J3282),
- the A321-100/-200 TASK 534125-01-4 (pre-mod 160021J3446) and TASK 534125-01-7 (post-mod 160021J3446)

of the Damage Tolerant Airworthiness Limitation Items (DT ALI) which is part of the Airworthiness Limitation Section (ALS) Manual (Part 2).

GENERAL EVALUATION

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

NOTE (1): Service Bulletin must be accomplished.

MATERIAL PRICE INFORMATION

**CONF 001

MATERIAL PRICE INFORMATION TABLE			
MATERIAL SET	QTY PER A/C	PRICE PER A/C (USD)	MAIN PARTS
Kit 531272C01R00	1	See SB	Hi-loks and Collar
Standard tool TOOLC01	1	See SB	

**CONF 002

MATERIAL PRICE INFORMATION TABLE			
MATERIAL SET	QTY PER A/C	PRICE PER A/C (USD)	MAIN PARTS
Kit 531272C01R00	1	See SB	Hi-loks and Collar
Standard tool TOOLC01	1	See SB	

**CONF 003

MATERIAL PRICE INFORMATION TABLE			
MATERIAL SET	QTY PER A/C	PRICE PER A/C (USD)	MAIN PARTS
Kit 531272C01R00	1	See SB	Hi-loks and Collar
Standard tool TOOLC01	1	See SB	

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SERVICE BULLETIN SUMMARY

**CONF 004

MATERIAL PRICE INFORMATION TABLE			
MATERIAL SET	QTY PER A/C	PRICE PER A/C (USD)	MAIN PARTS
Kit 531272C01R00	1	See SB	Hi-loks and Collar
Standard tool TOOLC01	1	See SB	

**CONF 005

MATERIAL PRICE INFORMATION TABLE			
MATERIAL SET	QTY PER A/C	PRICE PER A/C (USD)	MAIN PARTS
Kit 531272C01R00	1	See SB	Hi-loks and Collar
Standard tool TOOLC01	1	See SB	

EFFECTIVITY

**CONF ALL

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

03X	15S	15T	16T	17W	20Q	26S	27V	29S	31V	31X	32Q	35T
35U	36R	38W	46U	53Z	54S	59Z	62X	66X	69X	73W	74T	80X
83V	83W	85T	86W	86Z	89T	91X	92Q	94W	95V	95W	98Q	98W
AAF	AAR	AAW	AAZ	ABL	ABQ	ABR	ABY	ACA	ACI	ADH	ADR	AEE
AFL	AFR	AGC	AGY	AHY	AIB	AIC	AIJ	ALK	AMC	AMU	ANA	ANR
ANZ	APJ	APZ	ARR	ART	ARU	ATR	AUA	AUH	AVA	AWC	AWM	AWW
AXM	AZA	AZI	AZW	B2V	BAW	BEC	BEL	BER	BGF	BGH	BGY	BHP
BIE	BJN	BKP	BQB	BRS	BTN	C2C	C9G	CBJ	CCA	CCM	CEB	CEF
CES	CHH	CIB	CQH	CQN	CRK	CSA	CSC	CSN	CSZ	CTN	CTV	CUA
CYP	D2F	DAL	DCS	DKH	DLH	DNV	DQA	DRK	DTR	EAA	EDW	EIN
ETD	ETJ	EVA	EZD	EZY	F2I	FFT	FHY	FIN	FLI	FPY	FRN	FTZ
G2X	G4I	G8E	GAF	GAP	GBB	GCR	GFA	GHT	GLG	GMI	GMR	GOW
GWI	GZQ	HAY	HDA	HFY	HKE	HKJ	HRM	HVN	I2L	I2T	IAW	IBE
IBS	IGO	IND	IRA	IRM	ISR	ISS	IYE	IZG	JAT	JAV	JBU	JJP
JSA	JST	JZR	KAC	KAY	KCA	KFR	KGL	KHV	KKK	KMF	KNE	KZR
LAA	LAN	LAO	LBT	LFO	LLC	LLM	LLP	LMJ	LMU	LZB	MAC	MAU
MDL	MEA	MJF	MJN	MLD	MLM	MLR	MMA	MML	MON	MOV	MRJ	MSC
MSR	MXA	MYX	NIA	NKS	NLV	NLY	NMA	NMB	NVD	NVR	NWS	OAW
OBS	OHY	ONE	ORF	OZW	PAL	PIC	PTI	PTR	QAF	QTR	R1T	RBA
RBG	RCT	RFJ	RJA	RJD	RLU	RNV	RYW	RZO	SAA	SAI	SAS	SBI
SDM	SFJ	SFW	SGG	SHJ	SHU	SKU	SLK	SMX	SND	SNX	SOL	SRQ
SUD	SVA	SVR	SVW	SWM	SWR	SYA	SYR	TAE	TAI	TAM	TAP	TAR
TBA	TBJ	TBZ	TCW	TCX	TGW	THA	THY	TJS	TNA	TVS	TWJ	TXP
UAE	UAL	UEA	UKN	ULG	UNA	USA	UZB	VAR	VIM	VIP	VIV	VJC
VKG	VLE	VLG	VLK	VOI	VRD	VRE	VVC	WAU	WGT	WHT	WOW	WRC
WTJ	WZZ											

CONCURRENT REQUIREMENTS

None

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REFERENCES / REPERCUSSIONS

TFU	None
OEB	None
AOT	None
SIL	None
LINE MAINTENANCE AFFECTED	No
LIFE LIMIT	YES
OTHER	AD No.: 2014-0081

NATURE OF THE WORK

AIRCRAFT	YES
EQUIPMENT	NO
HARD	NO
SOFT	NO
OBRM	NO

MANPOWER

****CONF 001**

Task 531272-831-942-001: Modification	
TOTAL MANHOURS	10.75
ELAPSED TIME (HOURS)	8.75

****CONF 002**

Task 531272-831-942-001: Modification	
TOTAL MANHOURS	10.75
ELAPSED TIME (HOURS)	8.75

****CONF 003**

Task 531272-831-942-001: Modification	
TOTAL MANHOURS	10.75
ELAPSED TIME (HOURS)	8.75

****CONF 004**

Task 531272-831-942-001: Modification	
TOTAL MANHOURS	10.75
ELAPSED TIME (HOURS)	8.75

****CONF 005**

Task 531272-831-942-001: Modification	
TOTAL MANHOURS	10.75
ELAPSED TIME (HOURS)	8.75

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SERVICE BULLETIN SUMMARY

APPENDICES

****CONF ALL**

None

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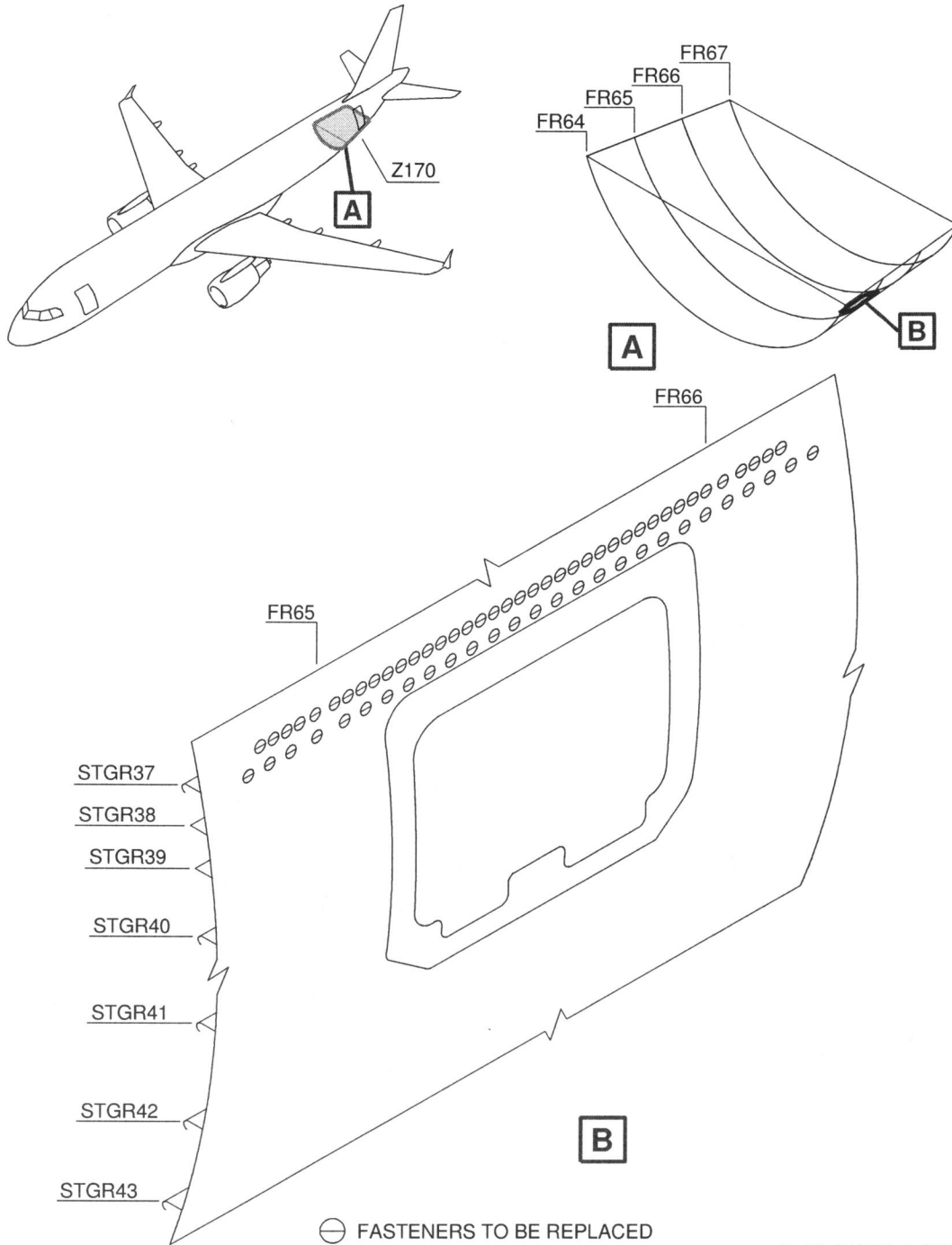
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SERVICE BULLETIN SUMMARY

**CONF ALL



N_SB_531272_0_SAAA_01_02

Figure A-SSAAA - Sheet 01

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MANDATORY MANDATORY MANDATORY

ATA SYSTEM: 53

**TITLE: FUSELAGE - REAR FUSELAGE - APPLY COLD WORKING AND
REPLACE RIVETS IN THE POTABLE WATER SERVICE PANEL AREA
AT S18**

MODIFICATION No.: 153074G0791

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1. PLANNING INFORMATION

****CONF ALL**

A. EFFECTIVITY

(1) Models

319-111	319-112	319-113	319-114	319-115	319-131	319-132	319-133
320-211	320-212	320-214	320-216	320-231	320-232	320-233	321-111
321-112	321-131	321-211	321-212	321-213	321-231	321-232	

(2) Effectivity by MSN

0029	0045-0047	0049-0057	0059	0064-0078	0080-0088	0090	0093-0096	0099	0104
0110-0119	0121-0127	0135	0137-0138	0140-0142	0147-0150	0152-0154	0157-0162		
0164-0168	0171-0176	0178-0179	0181-0183	0185	0189-0190	0192	0194-0195		
0197-0203	0205-0214	0216-0220	0223-0224	0229-0235	0237	0239-0244	0248-0249		
0251-0256	0259-0269	0272-0277	0279	0281-0282	0284-0285	0287	0289-0303		
0306-0309	0311-0312	0314	0316-0325	0328-0333	0339-0343	0345-0347	0349-0351		
0353-0362	0364	0366-0368	0370-0373	0375-0376	0378	0380-0388	0390-0391	0393	
0395-0396	0398-0410	0412-0424	0426-0432	0434-0436	0438-0439	0441-0442			
0444-0445	0447-0452	0454-0460	0462-0466	0468-0477	0479-0480	0482-0535			
0537-0546	0548-0589	0591-0600	0603-0614	0616-0623	0625	0627	0629-0631		
0633-0707	0709	0711-0752	0754-0788	0790-0955	0957-1043	1045-1112	1114-1185		

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1187-1217 1219-1277 1279-1332 1334-1373 1375-1463 1465-1598 1600-1659
 1661-1675 1677-1728 1730-1767 1769-1812 1814-1821 1823-1829 1831-1918
 1920-1929 1931-1938 1940-1984 1986-1990 1993-2016 2018-2024 2026-2034
 2036-2050 2052-2058 2060-2070 2072-2080 2082-2099 2101-2108 2110 2112-2217
 2219-2275 2277-2316 2318-2327 2329-2332 2334-2343 2345-2349 2351-2357
 2359-2366 2368-2376 2378-2393 2395-2423 2425-2499 2501-2522 2524-2543
 2545-2551 2553-2574 2576-2581 2583-2600 2602-2685 2687-2721 2723-2749
 2751-2909 2911-2917 2919-2930 2932-2950 2952-2954 2956-2966 2968-2971
 2973-3000 3002-3008 3010-3029 3031-3037 3039-3061 3063-3091 3093-3099
 3101-3109 3111-3162 3164-3213 3215 3217-3219 3221-3224 3226-3237 3239-3332
 3334-3362 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 5183-5294
 5296-5326 5328-5405 5407-5427 5429-5436 5438-5441 5443-5449 5451 5453-5455
 5458 5461-5462 5464-5467 5469 5471 5474-5475 5480-5481 5483-5484 5488-5490
 5493-5496 5500-5501 5503 5506 5508-5509 5511-5513 5520-5521 5524 5527-5529
 5531 5534-5535 5538 5540-5542 5546 5550-5551 5555 5558 5560-5563 5567-5569
 5573-5575 5578-5580 5582 5584-5585 5588-5589 5592 5596 5600 5602 5610 5614

(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
03X	2421
15S	1589
15T	0764 1494 3164
16T	4679
17W	3046
20Q	4842
26S	0368 0424
27V	3826
29S	0291 0292
31V	0164 0332 0343 0420 0436 0605 0932 0943 1048
31X	2192 4319
32Q	1283
35T	5040
35U	0088 0199 0240 0241 0264
36R	1305
38W	1194
46U	2906 2952 2982 3275 3296 3332 3674 3734 3986 4053 5218
53Z	1468
54S	5261
59Z	1556
62X	3402
66X	1098

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OPERATOR	MSN
69X	0219 0449 0588 0733
73W	0087
74T	2165 4228 4768
80X	2748
83V	0349
83W	4024
85T	0234
86W	0384
86Z	0168 0460 0497 2874
89T	3356
91X	2837
92Q	0279 0395
94W	1818
95V	3379
95W	2949
98Q	0400
98W	0441
AAF	0639 1006 1846 2870 3136 3242 3289 3852 4268 4589 4675
AAR	0802 1174 1356 1511 1670 1734 2041 2110 2226 2247 2290 2397 2459 2808 2840 3244 3297 3437 3483 3496 3641 3873 4112 4142 5035 5169 5173 5287 5350 5382 5462 5500
AAW	3224 3236 3615 3657 4004 4330 5414 5448
AAZ	1229 1255 1262 1288 1292 1318 1347 2224 2319 2387
ABL	1227 1636 1970 2045 2943
ABQ	1467 3974
ABR	4203 4489 4521
ABY	2764 3246 3476 3626 3802 3840 3925 4061 4243 4310 4468 4524 4806 4848 4890 4958 5017 5206 5276 5307 5423
ACA	0059 0068 0073 0084 0122 0126 0127 0141 0149 0150 0154 0159 0174 0175 0183 0210 0231 0232 0233 0242 0248 0253 0254 0255 0265 0277 0284 0290 0309 0324 0330 0341 0378 0403 0404 0546 0572 0634 0656 0670 0672 0682 0688 0691 0693 0695 0697 0711 0719 0721 0728 0732 0736 0740 0742 0752 0757 0769 0773 0779 0785 0800 0813 0817 0829 0831 0840 0845 1562 1577 1602 1611 1623 1632 1638 1673 1726 1742 1748 1772 1783 1811 1853 1864 1874 1940 2018 2145
ACI	2152
ADH	3138 3161 3328 3502 3515 3532 3643 3666 3695
ADR	4282 4301
AEE	2468 2828 3033 3066 3074 3162 3302 3316 3322 3365 3392 3423 3439 3462 3478 3526 3527 3709 3714 3745 3748 3753 3773 3785 3812 3820 3829 3850 3878 3895 3990 4065 4094 4165

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OPERATOR	MSN
AFI	2052 2069 2072 2091 2106 2116 2133 2144 2233 2330 2337 2342 2875 2903 2912 2920 2947 2957 2965 3052 3063 3157 3191 3267 3334 3373 3410 3511 3545 3574 3627 3631 3640 3644 3699 3711 3778 3786 3789 3794 3823 3835 3838 3923 3954 3998 4058 4074 4099 4103 4116 4133 4148 4160 4453 4461 4498 4500 4579 4625 4649 4656 4684 4692 4712 4835 5044 5059 5271 5421 5578 5580 5585 5614
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AGY	0351
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AMC	2113 2122 2189 2291 2332 2382 2665 2768 3056 3068
AMU	0620 0631 0805 0908 0928 1758 1790 1850 1893 1912 1926 1962 4197
ANA	0167 0212 0300 0328 0383 0413 0482 0501 0507 0531 0534 0549 0554 0658 0669 0685
ANR	0726
ANZ	2085 2090 2112 2130 2148 2153 2173 2257 2297 2445 2533 2594 2663 4553 4584 4884 4926
APJ	4887 4936 5015 5166 5304 5384 5440 5540
APZ	0747
ARR	0913 1439
ART	0142 0244 0311 0333 0359 0426 0533 0936 1873
ARU	0573 0582
ATR	0314 0373 0393
AUA	0552 0570 0581 0768 0776 0797 0920 0935 1137 1150 1189 1385 1387 1458 1478 1504 1553 1678 1735 1931 1937 2009 2131 2174 2262 2416 2494 2547 2652
AUH	2403

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OPERATOR	MSN
AVA	1612 1634 2066 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 5243 5360 5398 5454
AWC	2791
AWM	0765
AWW	0557 0597
AXM	2425 2612 2633 2656 2683 2699 2760 2816 2842 2881 2885 2944 2989 3000 3117 3140 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 5272 5283 5325 5344 5347 5353 5359 5397 5420 5430 5431
AZA	0434 0477 0488 0494 0495 0513 0514 0515 0516 0524 0526 0532 0576 0583 0586 0593 0599 0819 0848 0940 0951 0959 0999 1138 1168 1217 1220 1448 1457 1473 1480 1489 1722 1740 1745 1770 1779 2033 2057 2074 2083 2086 2101 2127 2869 2932 3076 3079 3080 3115 3178 3213 3295 3343 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 5294 5383 5424
AZI	0527
AZW	0630 1973
B2V	0185
BAW	1014 1082 1115 1118 1142 1177 1193 1197 1222 1225 1232 1236 1239 1258 1261 1279 1295 1329 1338 1380 1384 1418 1423 1424 1440 1445 1466 1510 1513 1529 1537 1558 1574 1590 1594 1604 1606 1661 1665 1687 1689 1690 1696 1708 1711 1754 1760 1782 1814 1829 1871 1883 1899 1907 1910 1958 1987 2038 2040 2098 2188 2190 2194 2305 2320 2323 2324 2351 2363 2389 2429 2441 2466 2536 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
BEL	0644 1086 1102 1160 1336 1388 1441 1493 1797 1838 1885 1963 2196 2230 2392 2400 2700 2763 2810 3255 3790 4275
BER	1629 1717 1775 1961 1966 1988 1994 2003 2005 2619 3055 3093 3121 3202 3415 3447 3516 3661 3689 3708 3728 3749 3865 3945 4013 4101 4161 4269 4291 4329 4334 4368 4433 4510 4565 4606 4674 4728 4743 4988 5038 5126 5133 5191 5246
BGF	3188
BGH	1087 2844 2863 3139
BGY	1450 1723 2118
BHP	2968 3245 3422 3604 4033 4187 4294 4631

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OPERATOR	MSN
BIE	0519 0827 0891
BJN	4956
BKP	2254 2310 2366 2417 2509 2531 2634 2648 2660 2664 2783 3421 3424 3454 3694 3759 3911
BQB	1703
BRS	2263
BTN	1541
C2C	5088
C9G	0772 1727 2335 3492
CBJ	4388 4428
CCA	0876 0921 1296 2000 2007 2015 2172 2202 2205 2237 2269 2285 2293 2298 2454 2499 2508 2525 2532 2545 2551 2559 2614 2643 2805 2819 2839 2847 2890 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 5265 5346 5352 5386 5419 5432 5435 5568 5573 5600
CCM	3882 3952 4463
CEB	2556 2586 2625 2638 2786 2790 2821 2831 2852 2876 2994 3048 3272 3487 3646 3762 3767 4447 4508 4537 4574 4852 4861 4870 4927 4993 5045 5067 5250 5381
CEF	2801 3085
CES	0665 0754 0828 0838 0854 0897 0909 0925 0939 0967 0984 0986 1005 1028 1030 1041 1070 1072 1093 1108 1285 1303 1312 1316 1330 1345 1357 1361 1377 1386 1532 1542 1551 1601 1603 1639 1906 1911 1964 1981 2022 2034 2036 2049 2056 2068 2155 2199 2212 2219 2221 2235 2239 2244 2274 2309 2315 2437 2451 2478 2493 2498 2543 2549 2562 2591 2606 2627 2693 2757 2825 2882 2895 3168 3170 3186 3197 3233 3247 3249 3262 3471 3481 3559 3593 3611 3612 3613 3639 3650 3677 3682 3692 3716 3775 3793 3797 3870 3904 3929 3937 3965 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 5156 5192 5210 5227 5242 5267 5273 5309 5326 5330 5338 5363 5376 5380 5402 5412 5439 5461 5481 5508 5524 5527 5558 5575
CHH	2475 2557 2561 2581 2611 2617 2644 2733 2746 2849 2891 2985 3240 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 4600 4602 4644 4677 4686 4687 4739 4825 4995 5006 5008 5072 5100 5105 5114 5117 5172 5185 5216 5220 5331 5471
CIB	0774 0809 0884 0894 0905 0957 0971 1381 1402 1416 1437 1607 1968

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OPERATOR	MSN
CQH	0978 1686 1769 1852 1920 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 5378 5403 5434 5446 5466 5562
CQN	0696 0698 0704 0705 3836 3876 3901 3903 3941
CRK	5147 5189 5416
CSA	2719 2758 2789 3031 3043 3060 3094 3097 3406 3436 3452 3660 3892 4258 4713
CSC	0540 0550 0551 0556 0591 0878 0902 0915 0919 1007 1013 2313 2348 2396 2431 2510 2534 2597 2639 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 5286 5303 5389
CSN	0712 0718 0720 0722 0849 0859 0881 0895 0900 0950 0966 1035 1039 1057 1596 1614 1776 1788 1971 1974 1986 1995 2004 2008 2067 2080 2200 2203 2232 2273 2354 2361 2371 2408 2426 2435 2484 2505 2506 2511 2519 2521 2530 2541 2546 2554 2555 2558 2574 2579 2637 2667 2680 2689 2701 2708 2713 2714 2741 2743 2759 2767 2770 2772 2796 2809 2815 2824 2834 2855 2861 2877 2899 2901 2915 2936 2940 2948 2950 2960 2969 2971 2986 3020 3067 3075 3112 3144 3217 3241 3251 3258 3269 3311 3342 3459 3493 3507 3552 3566 3587 3645 3681 3764 3784 3828 3847 3860 3867 3890 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 5225 5237 5268 5279 5288 5410 5480 5484 5503 5506 5534 5561 5579 5602
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 5369 5521 5550 5589
CTN	0767 0833 1009 1029 1237 1252
CTV	0839 0892 1635 2598 2692 3147 3148 3861 4961 5351 5379 5394 5399 5415 5511 5541 5551 5560 5574
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D2F	1668 1718

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OPERATOR	MSN
DAL	0118 0121 0125 0152 0153 0160 0171 0192 0197 0206 0208 0213 0262 0263 0272 0273 0281 0282 0297 0298 0306 0307 0318 0319 0329 0339 0340 0355 0358 0360 0367 0372 0380 0381 0387 0388 0399 0408 0410 0417 0418 0766 0778 0786 0801 0807 0818 0830 0832 0846 0903 0907 0911 0923 0962 0964 0981 0988 0996 1011 1037 1058 1062 1191 1230 1249 1324 1325 1346 1392 1414 1434 1453 1456 1483 1498 1501 1520 1535 1543 1549 1567 1570 1582 1633 1641 1646 1659 1662 1683 1685 1693 1709 1714 1738 1746 1752 1766 1774 1789 1796 1800 1810 1812 1815 1820 1824 1828 1833 1839 1875 1897 1923 1959 1976 1982 1990 2002 2013 2026 2039 2047 2082 2087 2092 2095
DCS	1053 3243
DKH	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 5226 5329 5339 5455
DLH	0069 0070 0071 0072 0078 0083 0086 0093 0094 0104 0110 0111 0116 0117 0135 0137 0161 0172 0201 0202 0209 0216 0267 0268 0269 0346 0412 0458 0468 0473 0474 0484 0493 0502 0505 0518 0560 0563 0564 0567 0595 0609 0610 0616 0623 0627 0636 0641 0651 0652 0679 0689 0692 0694 0699 0700 0717 0723 0729 0738 0744 0853 0860 0875 0887 0901 1016 1080 1161 1172 1188 1214 1260 1273 1337 1365 1367 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 5284 5293 5413 5425 5441
DNV	1630 1805 1808 1841 2093 2179 2241 2751 3065 3179
DQA	2347
DRK	2306 2346 3950
DTR	0444
EAA	0386 0445
EDW	0942 0947 1026 2024 2134
EIN	0926 1023 1094 1242 1394 1443 1983 2001 2191 2206 2217 2250 2256 2272 2294 2364 2374 2399 2409 2411 2432 2486 2542 2583 2635 3054 3102 3129 3169 3318 3345 3377 3501 3755 3781 3857 4572 4634 4678 4715
ETD	0350 1140 1159 1944 1945 1947 1955 2167 3004 3050 3676 3693 3713 3902 4066 4077 4124 4934 5095 5348 5407
ETJ	0325 0428
EVA	5328 5354 5377
EZD	0667 0743 0872 0874 1074 1286 2137 2141 2147 2576 2826 2926 2956 3018 3064 3154 3621 4533

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OPERATOR	MSN
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F2I	0085 0148 0220 0230 0243 0249 0251 0294 0301 0391 0724 0758 0976 1010 2383
FFT	1515 1579 1583 1615 1684 1759 1781 1786 1803 1806 1860 1943 1980 1997 2010 2012 2019 2030 2103 2198 2209 2236 2240 2253 2258 2260 2287 2318 2325 2406 2448 2483 2518 2695 2806 2836 2857 3205 3389 3431 4127 4204 4253 4254 4272 4307 4562 4641 4668 4688 4704 4727 4745
FHY	0580 0771 0855 2524 2804 4207 4658 5096
FIN	0941 0961 1073 1107 1184 1185 1241 1309 1352 1364 1405 1470 1544 1588 1712 1913 1916 1978 1989 2065 2124 2146 2154 2208 2266
FLI	2186 3905 5079
FPY	0112 0189 0342
FRN	0647 0660
FTZ	1068 1145 2176
G2X	0347 0653 0674
G4I	1157 1795 2507
G8E	0594
GAF	3897 4060
GAP	0706 0745 2162 2183 3087 3187 3273 3310 3455 4415 4504 4777 4907 4984 5007 5012 5103
GBB	0067
GCR	2338
GFA	4030 4059 4083 4146 4158 4188 4218 4255 4502 4541 4780 4827 4860 4865 5025 5074 5171 5175 5180 5257 5321 5336
GHT	0438
GLG	1866 1872 1882 1925 2078 2126 4379 4547
GMI	0970 0995 3019 3407 3533 3560 3589 3818 4663 4691 5085
GMR	1407 2128
GOW	3306 3597 3616 3798 3827 3900 3915 4399 4438 5016 5112 5232

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GWJ	0147 0162 0200 0217 0218 0382 0401 0646 0654 0794 1077 1084 1089 1136 1147 1155 1170 1209 1277 2607 2628 2632 2813 2833 2976 3011 3128 3172 3193 3352 3358 3375 3500 3534 3839 3841 4166 4227 4256 4285 4998 5043 5467 5535 5569
GZQ	1878
HAY	0714 0716 0730 0888 2745
HDA	0633 0756 0784 0812 0930 0993 1024 1253 1695 1721 1984 2021 2229 2238 2428 3369 4023 4247 5024 5030 5362 5429
HFY	1004
HKE	2717 4970 5260 5264 5266 5341
HKJ	2706 3073
HRM	0293 0517 0535 0642 0666
HVN	0619 0648 0650 2255 2261 2267 2303 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 5275 5297 5306 5340 5385 5392 5418 5438 5469 5495 5555
I2L	0371 0427 0579 0671 0760 0816 1719 3907
I2T	1631 1682
IAW	4044 4067 5115 5290 5464
IBE	0158 0173 0176 0207 0223 0224 0266 0274 0323 0356 1021 1027 1047 1154 1362 1572 1655 1674 1681 1716 1793 1809 1836 2115 2220 2225 2242 2264 2270 2311 2357 2365 2381 2391 2472 2488 2563 2599 2736 2756 2889 2996 3078 3209 3320 3380 3443 3651 3744
IBS	1059 1067 1099 1101 1119 1516 1530 2104 2143 2248 2807 5501
IGO	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 5230 5231 5259 5262 5291 5298 5313 5365 5411
IND	0357
IRA	0303 0312 0345 0575 0857 2054
IRM	0354 0414
ISR	4354 4413
ISS	0737 0749 1125 1198 1823 1896 2102
IYE	4653 4690
IZG	0376 0407
JAT	2277 2621 2645 3252 3317
JAV	0029 2061

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OPERATOR	MSN
JBU	1123 1156 1173 1235 1240 1257 1270 1280 1302 1327 1398 1446 1452 1506 1528 1546 1557 1610 1650 1705 1739 1784 1785 1849 1861 1898 1904 1915 1917 1927 1948 2006 2020 2031 2042 2063 2075 2099 2125 2132 2136 2149 2150 2159 2160 2177 2201 2215 2231 2246 2259 2280 2284 2286 2307 2314 2336 2352 2368 2384 2386 2415 2447 2449 2461 2489 2491 2504 2520 2535 2577 2580 2640 2647 2671 2710 2725 2755 2781 2802 2814 2832 2848 2871 2880 2900 2945 2970 2977 2992 3029 3039 3072 3091 3119 3150 3190 3228 3263 3287 3348 3381 3416 3451 3479 3488 3517 3554 3572 3622 3659 3707 3724 3760 3800 3811 4578 4612 4647 4904 5060 5142 5148 5302 5312 5349 5417
JJP	5093 5145 5161 5245 5274 5281 5355 5520
JSA	2316 2356 2423 2453 2604 4443 4515 4772 4786 4872 4914 5305 5323 5390 5433
JST	1195 1408 2169 2185 2197 2292 2299 2322 2329 2455 2515 2526 2537 2573 2587 2608 2642 2651 2703 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 5270 5311 5334 5489
JZR	2792 2822 3919 3939 4162 5033
KAC	0181 0182 0195 2046 3957
KAY	4470
KCA	0662
KFR	2650
KGL	0663 0668 0787 0852 0954 1060 1293 1554 2029 2077
KHV	2480 5343 5427
KKK	0604 0614 0675 0761 0808 0823 0968 0974 1124 1390 1438 1451 1503 1624 1730 1950 1953 2747 2753
KMF	0480
KNE	1942 1965 2123 2171 2182 2569 2776 3218 3256 3361 3396 3425 3475 3787 3817 3868 3889 3894 3933 4055 4735
KZR	1042 1204 3141 3484 3519 3614 5357 5401 5404
LAA	4405 4450 4490 4526 5373 5405 5494
LAN	1304 1332 1351 1355 1491 1512 1526 1548 1568 1854 1858 1877 1903 2089 2096 2295 2304 2321 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 5229 5234 5263 5316 5324 5364 5408 5443 5453 5483 5493
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LBT	0793 0937 1121 1175 1597 1744 2158 3089 3480 4623
LFO	0659
LLC	0415 0990 1715 2987
LLM	1054 1918 1956 1967 1969 1993 2413 2419 2439
LLP	0739 0883 0914 1411 2016
LMJ	1868
LMU	0977 1366

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OPERATOR	MSN
LZB	2540 2596 3028 3309 3564 3780
MAC	3809 3833 4539 4568 5143
MAU	1592 1936
MDL	2600 4918 4973 5073 5335 5375 5426 5449
MEA	1977 2055 3736 3804 3837 4296 4339 4632 5000 5152 5162 5253
MJF	4353
MJN	3723 4117 4795
MLD	0622 0741
MLM	2592 4199 4622 5538
MLR	1946 2731 3106
MMA	0113 0114 0295 0316 0973 1180 1247 1791
MML	1706 1750
MON	0864 0983 1015 1045 1081 1153 1207 1320 1370 1413 1421 1428 1433 1571 1605 1637 1707 1763 1794 1941 2105 2142 2234 2553 2610 2730 2793 3458 3546 3575 5582
MOV	3364 3403
MRJ	0530 1202 1300 1353
MSC	2094 2937 2966 3282 3323
MSR	0165 0166 0178 0194 0198 0322 0366 0680 0687 0715 0725 2070 2073 2079 2088
MXA	0252 0259 0260 0261 0275 0276 0296 0320 0321 0353
MYX	0566
NIA	3183 3219
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 5370 5387 5458
NLV	1998 2496 2502
NLY	2529 2668 2749 2867 2902 3504 3830 4231 4316 4581 4594 4611 4648
NMA	1697 1732 2676
NMB	3346 3586 5366 5400
NVD	0211 0299 0375 0409 0419 0528 0558 0561 0709 1626 1778
NVR	2211 2216 2410
NWS	1219 1233 1276 1843 2649 2927 2933 3034 3120
OAW	1886
OBS	3758
OHY	0364 0385 0455 0471 0496 0543 0640 0661 0676 0792 0806 0810 0811 0835 0912 0916 0963 1008 1482 1509 2571 2688
ONE	4222 4287 4336 4891 4913 4941 4942 5193 5278 5299
ORF	2566 4992
OZW	0429 1922
PAL	2878 2925 2954 3108 3553 3579 3652 3731 5081 5140 5310 5315 5371
PIC	2331 2340 2670 2922 3012 4459
PTI	1263
PTR	0459 0537

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OPERATOR	MSN
QAF	0927 1335 3994 4114 4170 5255
QTR	1487 1566 1648 1656 1773 1895 1928 1957 2097 2107 2121 2138 2161 2288 2341 3274 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 5361 5395
R1T	1908
RBA	2023 2032 2135 2139 2195 3071
RBG	3152
RCT	0466 1017
RFJ	0814
RJA	2953 3428 3522 3685 3803 3832 4670 4817 4853 5099 5128 5177 5367
RJD	1618 5277
RLU	2442 2446
RNV	0229
RYW	0569
RZO	0795 2011 2390 3891
SAA	2268 2281 2308 2326 2355 2375 2379 2418 2438 2469 2501 4990 5011
SAI	0542 0877 1497 2027 3105 3270
SAS	1183 1383 1587 1619 1642 1675 1798 1807 1817 1848 2817 2850 2856 2883 2888 2911 2958 2990 3086 3159 3192 3227 3231 3292 3335
SBI	1071 1078 1090 1091 1126 1129 1131 1149 1164 1167 1819 1870 2028 2064 2076 2279 2369 2373 2464 2474 2618 2623 2641 2726 3070 3446 3473 3490 3494 3866 3880 4032 4150 5001 5026 5031 5106 5134 5167
SDM	0525 0649 1130 1200 1379 1488 1560 1578 1654 1657 1679 1743 1753 1761 1767 1851 1863 1876 1890 2151 2163 2465 2497 2879 2913 2930 2964 3044
SFJ	2658 3025 4555 4720 5102 5393 5512
SFW	0734 0994 1018
SGG	0799 0879
SHJ	0910
SHU	2222 2243 3281 3298 3336
SKU	0179 0406 0447 1400 1523 2119 2129 2214 2249 2251 2283 2378 2380 2436 2460 2548 3171 3331
SLK	0899 0969 1228 1422 1561 1698 2058 2252 2517 2568 2775 3104 3570 3821 4118 4215 4259 4457 4701 5050 5089 5296 5531
SMX	2995
SND	1880 1999
SNX	0289
SOL	0302
SRQ	5188 5194 5228 5320
SUD	3040

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OPERATOR	MSN
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 5223 5285 5314 5447 5509
SVR	0140 0157 0203 0735 0775 0815 0841 0991 1012 1063 1152 1199 1484 1720 1751 1777 1884 1901 1905 2117 2166 2175 2187 2278 2327 2349 2707 2998 3099 3107 3189 3385 3388 3433 3472 3834
SVW	2921 3133 3542 3856 5445
SWM	0421 0430 0476
SWR	0520 0522 0541 0545 0553 0559 0562 0574 0577 0578 0585 0596 0603 0612 0621 0635 0643 0664 0673 0681 0701 0703 0713 0727 0782 0987 1144 1762 1951 4534 4618 4673 5037 5069 5567
SYA	3853 3872
SYR	0886 0918 1032 1076 1085 1117
TAE	0657 0934 0946 0949 1339 1368 1500 1934 2084 2659
TAI	1066 1334 1598 1625 1952 2282 2301 2339 2434 2444 2687 2862 2917 3042 3057 3103 3113 3248 3276 3378 3418 3510 3538 3577 3581 3869 4906 4944 5068 5219 5238 5280 5333
TAM	1092 1096 1103 1139 1143 1158 1215 1246 1251 1376 1459 1486 1518 1575 1580 1591 1593 1595 1608 1613 1628 1652 1663 1672 1692 1757 1771 1801 1802 1804 1825 1826 1827 1831 1832 1835 1837 1855 1857 1888 1891 2014 2044 2372 2393 2467 2513 2661 2734 2737 2784 2838 2859 2896 2904 2924 3002 3032 3035 3047 3058 3111 3156 3180 3211 3222 3229 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 5222 5240 5342 5345 5528
TAP	0629 0750 0755 0763 0790 0821 0837 0870 0906 0917 0933 0945 0960 0979 0982 1034 1100 1106 1120 1127 1165 1181 1206 1231 1307 1399 1667 1713 1756 1765 1799 1816 2178 3769 3883 4021 4095 4106 4145
TAR	0119 0123 0124 0205 0370 0390 0402 0511 0869 0880 0958 0975 1187 1479 1700 3096 4344 4689 5204 5474 5610
TBA	4766 4801 4846 5157 5256 5451 5529 5563
TBJ	1485
TBZ	0361 0362 0405
TCW	1787 1929 1975 2362
TCX	0677 1238 1250 2060 2114
TGW	2724 2728 3757 3801 4181 4210 4421 4445 4469 4491 4493 4532 4561 4608 4645 4804 4812 4874 4879 4931 5120 5496 5596
THA	5198 5248 5258 5301 5436

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OPERATOR	MSN
THY	1002 1856 1909 1996 2156 2164 2395 2401 2404 2414 2452 2522 2602 2609 2626 2631 2655 2738 2739 2823 2868 2916 2919 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 5388 5465 5490 5546 5584
TJS	3513 3632
TNA	0538 0555 0606 0731 0746 0791 0822 2376 2914 5055
TVS	2180 4699
TWJ	2550
TXP	0607 0611 0617
UAE	4822
UAL	0435 0439 0442 0450 0452 0454 0456 0457 0462 0463 0464 0465 0470 0472 0475 0479 0483 0485 0487 0489 0500 0503 0504 0506 0508 0510 0512 0523 0539 0568 0571 0587 0589 0592 0613 0638 0655 0678 0683 0686 0690 0702 0748 0751 0759 0780 0783 0788 0798 0804 0820 0824 0825 0826 0834 0836 0842 0843 0847 0850 0851 0858 0862 0865 0867 0871 0873 0882 0893 0898 0944 0948 0952 0955 0965 0980 0989 1001 1022 1031 1104 1105 1128 1146 1163 1192 1211 1243 1248 1266 1272 1282 1290 1291 1321 1341 1343 1359 1363 1401 1409 1420 1426 1427 1432 1435 1460 1469 1474 1475 1477 1495 1507 1508 1514 1522 1533 1538 1545 1555 1559 1569 1573 1581 1584 1585 1586 1600 1609 1617 1620 1627 1647 1649 1653 1664 1669 1671 1680 1688 1702 1728 1731 1737 1741 1755 1821 1840 1842 1845 1847 1865
UEA	2654 2696 2762 2774 2820 2835 3024 3706 4347 5003 5252
UKN	3260
ULG	0308
UNA	4583

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OPERATOR	MSN
USA	0052 0053 0054 0055 0064 0065 0066 0076 0077 0081 0082 0099 0317 0448 0565 0584 0762 0770 0803 0844 0856 0861 0863 0866 0868 0885 0889 0890 0896 0904 0922 0924 0929 0931 0953 0972 0997 1003 1019 1033 1038 1040 1043 1046 1049 1050 1051 1052 1055 1056 1061 1064 1065 1069 1075 1079 1083 1088 1095 1097 1109 1110 1111 1112 1114 1116 1122 1134 1135 1141 1148 1166 1178 1182 1196 1203 1205 1223 1224 1234 1245 1254 1264 1265 1268 1269 1274 1275 1281 1284 1287 1289 1294 1297 1298 1301 1310 1311 1313 1314 1315 1317 1319 1323 1326 1328 1331 1340 1342 1348 1350 1354 1358 1360 1369 1371 1373 1375 1378 1382 1389 1391 1393 1395 1397 1403 1406 1410 1412 1417 1419 1425 1431 1436 1442 1447 1455 1462 1463 1465 1472 1481 1490 1492 1496 1499 1517 1519 1521 1525 1527 1531 1534 1536 1539 1547 1552 1563 1565 1576 1621 1643 1644 1651 1666 1701 1704 1710 1724 1764 1792 1844 1935 2193 2302 2312 2405 2422 2430 2458 2482 2570 2595 2613 2615 2630 2669 2690 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 5269 5282 5292 5300 5317 5332 5368 5374 5409 5422 5444 5475 5513 5588
UZB	4371 4395 4417 4485 4492 4528 4651 4724 4770 4952
VAR	2718
VIM	2732 3125 4270 4305 5158
VIP	4151
VIV	2157 2210 2443 2752
VJC	2712 3739 3791 4049 4190 4193 4475 4512
VKG	1881 1887 1889 1921 1932 1954 1960 1972
VLE	1226
VLG	0992 1171 1208 1210 1221 1349 1372 1396 1430 1461 1540 1550 1694 1736 1749 1862 1914 1933 1979 2168 2207 2223 2388 2407 2479 2589 2620 2678 2761 2785 2794 2798 2843 2897 2962 2988 3083 3095 3109 3145 3151 3174 3203 3237 3293 3321 3376 3400 3444 3529 3700 3704 3942 3995 4128 4478 4661 4681 4742 4849 4855 4937
VLK	0422 1213
VOI	2204 2296 2657 2666 2771 2780 2979 2997 3045 3069 3077 3175 3253 3279 3450 3463 3491 3524 3543 3590 3624 3672 3705 4403 4422 4741 4798 4828 4832 4950 5062 5207 5212 5308 5322 5337 5391 5488
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	1429 2213 2228
VVC	1306 1454 1564 1725 1867
WAU	3531 3741
WGT	1212

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OPERATOR	MSN
WHT	1256 2440 2675
WOW	2457
WRC	0235 0645 0684 0781 1869 2462 2682
WTJ	0548
WZZ	1834 1892 1902 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

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(4) Configuration by MSN

MSN	CONFIGURATION
0029 0045 0046 0047 0049 0050 0051 0052 0053 0054 0055 0056 0057 0059 0064 0065 0066 0067 0068 0069 0070 0071 0072 0073 0074 0075 0076 0077 0078 0080 0081 0082 0083 0084 0085 0086 0087 0088 0090 0093 0094 0095 0096 0099 0104 0110 0111 0112 0113 0114 0115 0116 0117 0118 0119 0121 0122 0123 0124 0125 0126 0127 0135 0137 0138 0140 0141 0142 0147 0148 0149 0150 0152 0153 0154 0157 0158 0159 0160 0161 0162 0164 0165 0166 0167 0168 0171 0172 0173 0174 0175 0176 0178 0179 0181 0182 0183 0185 0189 0190 0192 0194 0195 0197 0198 0199 0200 0201 0202 0203 0205 0206 0207 0208 0209 0210 0211 0212 0213 0214 0216 0217 0218 0219 0220 0223 0224 0229 0230 0231 0232 0233 0234 0235 0237 0239 0240 0241 0242 0243 0244 0248 0249 0251 0252 0253 0254 0255 0256 0259 0260 0261 0262 0263 0264 0265 0266 0267 0268 0269 0272 0273 0274 0275 0276 0277 0279 0281 0282 0284 0285 0287 0289 0290 0291 0292 0293 0294 0295 0296 0297 0298 0299 0300 0301 0302 0303 0306 0307 0308 0309 0311 0312 0314 0316 0317 0318 0319 0320 0321 0322 0323 0324 0325 0328 0329 0330 0331 0332 0333 0339 0340 0341 0342 0343 0345 0346 0347 0349 0350 0351 0353 0354 0355 0356 0357 0358 0359 0360 0361 0362 0366 0367 0368 0370 0371 0372 0373 0375 0376 0378 0380 0381 0382 0383 0384 0386 0387 0388 0390 0391 0393 0395 0396 0398 0399 0400 0401 0402 0403 0404 0405 0406 0407 0408 0409 0410 0413 0414 0415 0416 0417 0418 0419 0420 0421 0422 0423 0424 0426 0427 0428 0429 0430 0431 0432 0435 0436 0438 0439 0441 0442 0444 0445 0447 0448 0449 0450 0451 0452 0454 0455 0456 0457 0459 0460 0462 0463 0464 0465 0466 0469 0470 0471 0472 0475 0476 0479 0480 0482 0483 0485 0486 0487 0489 0490 0491 0492 0496 0497 0499 0500 0501 0503 0504 0506 0507 0508 0510 0511 0512 0523 0525 0527 0528 0530 0531 0533 0534 0537 0539 0540 0542 0543 0545 0548 0549 0551 0553 0554 0556 0558 0559 0561 0562 0565 0566 0568 0569 0571 0573 0574 0575 0577 0579 0580 0582 0584 0585 0587 0589 0592 0594 0596 0603 0605 0607 0611 0613 0617 0619 0622 0630 0635 0638 0640 0643 0645 0648 0650 0653 0655 0657 0658 0659 0661 0662 0665 0667 0669 0671 0673 0676 0678 0681 0683 0685 0696 0698 0701 0702 0703 0704 0705 0706 0707 0709 0712 0714 0716 0718 0720 0722 0724 0726 0730 0733 0735 0737 0739 0741 0743 0745 0747 0749 0751 0754 0756 0758 0760 0762 0764 0766 0768 0770 0772 0774 0776 0778 0780 0782 0784 0786 0791 0793 0795 0797 0799 0801 0803 0805 0807 0809 0812 0814 0816 0818 0820 0822 0824 0826 0828 0830 0832 0834 0836 0838 0839 0842 0844 0846 0849 0851 0854 0856 0857 0859 0861 0863 0865 0866 0868 0870 0872 0874 0876 0877 0879 0881 0883 0884 0886 0888 0892 0894 0895 0897 0899 0900 0902 0903 0905 0907 0909 0911 0912 0914 0916 0918 0919 0921 0923 0925 0927 0928 0930 0932 0934 0936	003

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MSN	CONFIGURATION
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1061 1063 1065 1067 1070 1072 1075 1076 1079 1081 1083	
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1224 1226 1229 1231 1234 1235 1237 1240 1242 1244 1246	
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1298 1300 1302 1304 1306 1308 1310 1312 1314 1316 1318	
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1368 1370 1372 1376 1379 1381 1383 1385 1387 1390 1394	
1396 1398 1400 1402 1405 1407 1409 1411 1413 1416 1418	
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1446 1448 1450 1452 1454 1457 1459 1461 1467 1469 1470	
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MSN	CONFIGURATION
3362 3365 3366 3368 3370 3373 3374 3376 3378 3379 3381	003
3383 3384 3386 3389 3391 3392 3394 3396 3398 3400 3402	
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(5) Configuration definition

****CONF 001**

Config. 001 is valid for all A319 aircraft given in the effectivity of this Service Bulletin which have MOD 160001J3282 not embodied.

****CONF 002**

Config. 002 is valid for all A319 aircraft given in the effectivity of this Service Bulletin which have MOD 160001J3282 embodied.

****CONF 003**

Config. 003 is valid for all A320-200 aircraft given in the effectivity of this Service Bulletin which have MOD 160001J3282 not embodied.

****CONF 004**

Config. 004 is valid for all A320-200 aircraft given in the effectivity of this Service Bulletin which have MOD 160001J3282 embodied.

****CONF 005**

Config. 005 is valid for all A321-100/200 aircraft given in the effectivity of this Service Bulletin.

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(6) Material Effectivity

MATERIAL	QTY PER A/C	SEE NOTES
Consumable CMLC01	As required	
Kit 531272C01R00	1	
Standard tool TOOLC01	1	

B. CONCURRENT REQUIREMENTS

None

C. REASON

(1) History

As a result of fatigue tests for Extended Service Goal 1 (ESG1) for the A319, A320 and A321 aircraft, the potable water service panel cutout must be reinforced.

(2) Objective/Action

This Service Bulletin gives the procedure to apply cold working on two rivet rows between FR65 and FR66 and between STGR37 and STGR38.

NOTE: Prior to the embodiment of this Service Bulletin it must be checked if there is any repair in the modification area. Take as a reference 250mm (10 inches) around the modification area to verify the presence of previous repairs. In case of finding, contact to Airbus to obtain the necessary instructions and accomplish those instructions accordingly.

This Service Bulletin has been validated at original issue on A320 aircraft with Manufacturer Serial Number (MSN) 0401.

A booklet including photographs taken during the validation of this Service Bulletin is available on AIRBUS|World - Maintenance and Engineering - AirN@v engineering (in the concerned SB file).

(3) Advantages

The accomplishment of this Service Bulletin will reinforce the specified area and will contribute to ensure the ESG1.

(4) Operational/Maintenance Consequences

The accomplishment of this Service Bulletin cancels:

- the A319-100 TASK 534125-01-2 (pre-mod 160001J3282) and TASK 534125-01-5 (post-mod 160001J3282),
- the A320-200 TASK 534125-01-3 (pre-mod 160001J3282) and TASK 534125-01-6 (post-mod 160001J3282),
- the A321-100/-200 TASK 534125-01-4 (pre-mod 160021J3446) and TASK 534125-01-7 (post-mod 160021J3446)

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of the Damage Tolerant Airworthiness Limitation Items (DT ALI) which is part of the Airworthiness Limitation Section (ALS) Manual (Part 2).

D. DESCRIPTION

To accomplish this Service Bulletin it is necessary to :

****CONF 001**

Task 531272-831-942-001: Modification

- (1) Remove the Fasteners for Cold Working
- (2) Do the Rotating Probe Inspection of the Fastener Holes
- (3) Do the Cold Working on the Fastener Holes
- (4) Renew the Surface Protection of the Fastener Holes
- (5) Install the new Fasteners after Cold Working
- (6) Renew the Surface Protection of the Structure in the Modification Area

****CONF 002**

Task 531272-831-942-001: Modification

- (1) Remove the Fasteners for Cold Working
- (2) Do the Rotating Probe Inspection of the Fastener Holes
- (3) Do the Cold Working on the Fastener Holes
- (4) Renew the Surface Protection of the Fastener Holes
- (5) Install the new Fasteners after Cold Working
- (6) Renew the Surface Protection of the Structure in the Modification Area

****CONF 003**

Task 531272-831-942-001: Modification

- (1) Remove the Fasteners for Cold Working
- (2) Do the Rotating Probe Inspection of the Fastener Holes
- (3) Do the Cold Working on the Fastener Holes
- (4) Renew the Surface Protection of the Fastener Holes
- (5) Install the new Fasteners after Cold Working
- (6) Renew the Surface Protection of the Structure in the Modification Area

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****CONF 004**

Task 531272-831-942-001: Modification

- (1) Remove the Fasteners for Cold Working
- (2) Do the Rotating Probe Inspection of the Fastener Holes
- (3) Do the Cold Working on the Fastener Holes
- (4) Renew the Surface Protection of the Fastener Holes
- (5) Install the new Fasteners after Cold Working
- (6) Renew the Surface Protection of the Structure in the Modification Area

****CONF 005**

Task 531272-831-942-001: Modification

- (1) Remove the Fasteners for Cold Working
- (2) Do the Rotating Probe Inspection of the Fastener Holes
- (3) Do the Cold Working on the Fastener Holes
- (4) Renew the Surface Protection of the Fastener Holes
- (5) Install the new Fasteners after Cold Working
- (6) Renew the Surface Protection of the Structure in the Modification Area

****CONF ALL**

E. COMPLIANCE

- (1) Classification

MANDATORY: Service Bulletin must be accomplished.

- (2) Accomplishment Timescale

****CONF 001**

Accomplishment of this Service Bulletin is recommended at the earliest opportunity where manpower and facilities are available and before 48500FC or 97000FH whichever occurs first since aeroplane first flight.

This Service Bulletin has been classified Mandatory by the issue of an Airworthiness Directive (AD) published by the European Aviation Safety Agency (EASA). The AD must be used as the reference document for the mandated accomplishment timescale.

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****CONF 002**

Accomplishment of this Service Bulletin is recommended at the earliest opportunity where manpower and facilities are available and before 46000FC or 92000FH whichever occurs first since aeroplane first flight.

This Service Bulletin has been classified Mandatory by the issue of an Airworthiness Directive (AD) published by the European Aviation Safety Agency (EASA). The AD must be used as the reference document for the mandated accomplishment timescale.

****CONF 003**

Accomplishment of this Service Bulletin is recommended at the earliest opportunity where manpower and facilities are available and before 54200FC or 108400FH whichever occurs since aeroplane first flight.

This Service Bulletin has been classified Mandatory by the issue of an Airworthiness Directive (AD) published by the European Aviation Safety Agency (EASA). The AD must be used as the reference document for the mandated accomplishment timescale.

****CONF 004**

Accomplishment of this Service Bulletin is recommended at the earliest opportunity where manpower and facilities are available and before 36000FC or 72000FH whichever occurs first since aeroplane first flight.

This Service Bulletin has been classified Mandatory by the issue of an Airworthiness Directive (AD) published by the European Aviation Safety Agency (EASA). The AD must be used as the reference document for the mandated accomplishment timescale.

****CONF 005**

Accomplishment of this Service Bulletin is recommended at the earliest opportunity where manpower and facilities are available and before 60000FC or 120000FH whichever occurs first since aeroplane first flight.

This Service Bulletin has been classified Mandatory by the issue of an Airworthiness Directive (AD) published by the European Aviation Safety Agency (EASA). The AD must be used as the reference document for the mandated accomplishment timescale.

****CONF ALL**

F. APPROVAL

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

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G. MANPOWER

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

**CONF 001

Task 531272-831-942-001: Modification	
Get Access	3.00
On Aircraft	
Remove the Fasteners for Cold Working	1.00
Do the Rotating Probe Inspection of the Fastener Holes	1.00
Do the Cold Working on the Fastener Holes	1.00
Renew the Surface Protection of the Fastener Holes	0.25
Install the new Fasteners after Cold Working	1.25
Renew the Surface Protection of the Structure in the Modification Area	0.25
Close-Up	3.00
TOTAL MANHOURS	10.75
ELAPSED TIME (HOURS)	8.75

**CONF 002

Task 531272-831-942-001: Modification	
Get Access	3.00
On Aircraft	
Remove the Fasteners for Cold Working	1.00
Do the Rotating Probe Inspection of the Fastener Holes	1.00
Do the Cold Working on the Fastener Holes	1.00
Renew the Surface Protection of the Fastener Holes	0.25
Install the new Fasteners after Cold Working	1.25
Renew the Surface Protection of the Structure in the Modification Area	0.25
Close-Up	3.00
TOTAL MANHOURS	10.75
ELAPSED TIME (HOURS)	8.75

**CONF 003

Task 531272-831-942-001: Modification	
Get Access	3.00
On Aircraft	

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Task 531272-831-942-001: Modification	
Remove the Fasteners for Cold Working	1.00
Do the Rotating Probe Inspection of the Fastener Holes	1.00
Do the Cold Working on the Fastener Holes	1.00
Renew the Surface Protection of the Fastener Holes	0.25
Install the new Fasteners after Cold Working	1.25
Renew the Surface Protection of the Structure in the Modification Area	0.25
Close-Up	3.00
TOTAL MANHOURS	10.75
ELAPSED TIME (HOURS)	8.75

****CONF 004**

Task 531272-831-942-001: Modification	
Get Access	3.00
On Aircraft	
Remove the Fasteners for Cold Working	1.00
Do the Rotating Probe Inspection of the Fastener Holes	1.00
Do the Cold Working on the Fastener Holes	1.00
Renew the Surface Protection of the Fastener Holes	0.25
Install the new Fasteners after Cold Working	1.25
Renew the Surface Protection of the Structure in the Modification Area	0.25
Close-Up	3.00
TOTAL MANHOURS	10.75
ELAPSED TIME (HOURS)	8.75

****CONF 005**

Task 531272-831-942-001: Modification	
Get Access	3.00
On Aircraft	
Remove the Fasteners for Cold Working	1.00
Do the Rotating Probe Inspection of the Fastener Holes	1.00
Do the Cold Working on the Fastener Holes	1.00
Renew the Surface Protection of the Fastener Holes	0.25
Install the new Fasteners after Cold Working	1.25
Renew the Surface Protection of the Structure in the Modification Area	0.25
Close-Up	3.00
TOTAL MANHOURS	10.75
ELAPSED TIME (HOURS)	8.75

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**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 12-34-24 25-80-00	06-31-53 20-21-11 52-30-00	06-41-53 25-55-12 53-42-17
Consumable Material List (CML)			
Elec. Std. Practices Manual (ESPM)	20-55-00		
Non Destructive Test Manual (NTM)	51-10-01		
Service Information Letter (SIL)	SIL 51-012		
Standards Manual (SM)			
Structural Repair Manual (SRM)	51-23-12 51-43-00 51-75-12	51-24-00 51-44-00	51-42-00 51-48-00

**CONF 002

Aircraft Maintenance Manual (AMM)	06-20-00 12-34-24 25-80-00	06-31-53 20-21-11 52-30-00	06-41-53 25-55-12 53-42-17
Consumable Material List (CML)			
Elec. Std. Practices Manual (ESPM)	20-55-00		
Non Destructive Test Manual (NTM)	51-10-01		
Service Information Letter (SIL)	SIL 51-012		
Standards Manual (SM)			
Structural Repair Manual (SRM)	51-23-12 51-43-00 51-75-12	51-24-00 51-44-00	51-42-00 51-48-00

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Aircraft Maintenance Manual (AMM)	06-20-00 12-34-24 25-80-00	06-31-53 20-21-11 52-30-00	06-41-53 25-55-12 53-42-17
Consumable Material List (CML)			
Elec. Std. Practices Manual (ESPM)	20-55-00		
Non Destructive Test Manual (NTM)	51-10-01		
Service Information Letter (SIL)	SIL 51-012		
Standards Manual (SM)			

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Structural Repair Manual (SRM)	51-23-12	51-24-00	51-42-00
	51-43-00	51-44-00	51-48-00
	51-75-12		

**CONF 004

Aircraft Maintenance Manual (AMM)	06-20-00	06-31-53	06-41-53
	12-34-24	20-21-11	25-55-12
	25-80-00	52-30-00	53-42-17
Consumable Material List (CML)			
Elec. Std. Practices Manual (ESPM)	20-55-00		
Non Destructive Test Manual (NTM)	51-10-01		
Service Information Letter (SIL)	SIL 51-012		
Standards Manual (SM)			
Structural Repair Manual (SRM)	51-23-12	51-24-00	51-42-00
	51-43-00	51-44-00	51-48-00
	51-75-12		

**CONF 005

Aircraft Maintenance Manual (AMM)	06-20-00	06-31-53	06-41-53
	12-34-24	20-21-11	25-55-12
	25-80-00	52-30-00	53-42-17
Consumable Material List (CML)			
Elec. Std. Practices Manual (ESPM)	20-55-00		
Non Destructive Test Manual (NTM)	51-10-01		
Service Information Letter (SIL)	SIL 51-012		
Standards Manual (SM)			
Structural Repair Manual (SRM)	51-23-12	51-24-00	51-42-00
	51-43-00	51-44-00	51-48-00
	51-75-12		

**CONF ALL

K. PUBLICATION AFFECTED

Airworthiness Limitation Section (ALS)	Airworthiness Limitation Section (ALS) Part 2
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L. INTERCHANGEABILITY/MIXABILITY

Not Applicable

M. SPARES

None

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2. MATERIAL INFORMATION

****CONF ALL**

A. MATERIAL - PRICE AND AVAILABILITY

(1) Procurement Addresses

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 531272C01R00	AIRBUS Material, Logistics and Suppliers Weg beim Jaeger 150 D-22335 HAMBURG GERMANY For ordering by internet: http://spares.airbus.com For ordering by fax: +49 40 50 76 2590 For ordering by E-mail: airbus.kit@airbus.com
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(2) Price and Availability

Kit 531272C01R00

The Kit availability given above is the standard lead time from the date of your purchase order. If items are required 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. 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.

B. INDUSTRY SUPPORT INFORMATION

AIRBUS will not provide industry support for accomplishment of this Service Bulletin.

C. LIST OF COMPONENTS

Kit 531272C01R00

ITEM	NEW PART N°	QTY (UM)	KEYWORD	ITEM	OLD PART N°	INT	SEE NOTES
1	DAN6-6-3	25	PIN				
2	DAN6-6-4	40	PIN				
3	DAN12-6	65	COLLAR				

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.

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D. LIST OF MATERIALS - OPERATOR SUPPLIED

(1) Consumable Materials

Consumable CMLC01

ITEM	DESCRIPTION	REFERENCE TO CML MAT. No.	QTY PER A/C	SEE NOTES
	Primer Epoxy Paint-Corrosion Inhibiting Structure	04DAB2	As required	
	Top Coat Polyurethane-Grey Internal Structure	04JME4	As required	
	Coating-Flexible Structure	04QAB2	As required	
	Polysulfide Sealant-General Purpose Interfay	06AAC1	As required	
	Non Aqueous Cleaner-General	08BAA9	As required	
	Surface Pretreatment-Light Alloys Chemical Conver	10ABC1	As required	
	Corrosion Preventive Compound- Water Displacing	12ADB1	As required	

(2) Components

None

(3) Equipment

None

E. PARTS TO BE RE-IDENTIFIED BY OPERATOR

None

F. TOOLING

(1) Tooling - Price and Availability

(a) Procurement Addresses

Operators interested in obtaining the FTI tool kits should contact:

Standard tool TOOLC01	Fatigue Technology Inc. 401 Andover Park East SEATTLE, WA 98188-7605 USA Internet: www.fatiguetech.com Phone: (206) 2462010 Fax: (206) 2449886
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(b) Price and Availability

The capital tools provided in this kit are not specific to this Service Bulletin and are normally already available in operators' stock as a long-term investment or can be loaned from FTI.

(2) Tools

To accomplish this Service Bulletin it is necessary to use the equipment and materials for rototest of the holes as per NTM Task 51-10-01-250-801.

Standard tool TOOLC01

ITEM	TOOL N°	TOOL NAME	QTY	SEE NOTES
	DKA320531272-1	Durable tooling	1	(1)
	EKA320531272-1	Expendable tooling	1	(2)
	FEIA320531272-1	Capital tooling	1	(3)

NOTE (1): Durable tooling: Ref. DK-A320-53-1272-1

The durable tool kit contains the minimum quantity of durable tools necessary to accomplish the Service Bulletin on one aircraft. If the Service Bulletin is to be accomplished on more than one aircraft, the number of durable kits required can be established by reference to SIL 51-012.

NOTE (2): Expendable tooling: Ref. EKA-A320-53-1272-1

The expendable tool kit contains the quantity of expendable tools required to accomplish the Service Bulletin on one aircraft. Order one expendable tool kit for every aircraft on which this Service Bulletin is to be accomplished.

NOTE (3): Capital tooling: Ref. FEIA-A320-53-1272-1

The capital tools provided in this kit are not specific to this Service Bulletin and are normally already available in operators' stock as a long-term investment or can be loaned from FTI.

(3) Special Tools

None

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3. ACCOMPLISHMENT INSTRUCTIONS

Task 531272-831-942-001 - 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.

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

NOTE: Prior to the embodiment of this Service Bulletin it must be checked if there is any repair in the modification area. Take as a reference 250mm (10 inches) around the modification area to verify the presence of previous repairs. In case of finding, contact to Airbus to obtain the necessary instructions and accomplish those instructions accordingly.

NOTE: The accomplishment instructions of this Service Bulletin refer to procedures included in other AIRBUS documents. When the words 'refer to' are used and the operator has an accepted alternative procedure, the accepted alternative procedure can be used. When the words 'in accordance with' are included in the instruction, the procedure in the AIRBUS document must be used.

NOTE: The access and close-up instructions, not comprising return to service tests, in this Service Bulletin do not constitute or affect the technical intent of the Service Bulletin. Operators can therefore, as deemed necessary, omit or add access and/or close-up steps to add flexibility to their maintenance operations as long as the technical intent of the Service Bulletin is met within the set parameters.

NOTE: Manual titles given in the accomplishment instructions are referred to by acronyms. Refer to paragraph 1.J., References, for the definition of acronyms.

Task Associated Data

****CONF 001**

Zone
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Manpower	
TOTAL MANHOURS	10.75
ELAPSED TIME (HOURS)	8.75

**CONF 002

Zone	
171	
Manpower	
TOTAL MANHOURS	10.75
ELAPSED TIME (HOURS)	8.75

**CONF 003

Zone	
171	
Manpower	
TOTAL MANHOURS	10.75
ELAPSED TIME (HOURS)	8.75

**CONF 004

Zone	
171	
Manpower	
TOTAL MANHOURS	10.75
ELAPSED TIME (HOURS)	8.75

**CONF 005

Zone	
171	
Manpower	
TOTAL MANHOURS	10.75
ELAPSED TIME (HOURS)	8.75

**CONF ALL

A. GENERAL

**CONF 001

(1) Subtask 531272-910-601-002 - Standard Practices

Manpower Resources	
Skills	NON SPECIFIC

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References	
Aircraft Maintenance Manual (AMM)	06-20-00, Page Block 001 06-31-53, Page Block 001 06-41-53, Page Block 001
Consumable Material List (CML)	
Structural Repair Manual (SRM)	51-23-12 51-24-00 51-42-00 51-43-00 51-44-00 51-48-00 51-75-12

- (a) For the specification of materials (Mat. No.) given in this Service Bulletin refer to Consumable Materials List (CML).
- (b) For the Frame (FR) identification, refer to AMM 06-31-53, Page Block 001.
- (c) For the identification of zones, refer to AMM 06-20-00, Page Block 001 and "Manual Front Matter, Zone List".
- (d) For the identification of access panels, refer to AMM 06-41-53, Page Block 001 and "Manual Front Matter, Panel List".
- (e) Obtain the information for removal and installation of fasteners in accordance with SRM 51-42-00.
- (f) Do the cold expansion of the holes in accordance with SRM 51-48-00.
- (g) Apply the sealant in accordance with SRM 51-24-00.
- (h) Obtain fastener hole diameters and drill and deburr data in accordance with SRM 51-44-00.
- (i) Obtain alternative and substitute fastener data in accordance with SRM 51-43-00.
- (j) Renew the protective finish in accordance with SRM 51-75-12.
- (k) Renew the special protection in accordance with SRM 51-23-12.

(2) Subtask 531272-839-601-001 - Administrative

Manpower Resources	
Skills	NON SPECIFIC

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

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****CONF 002**

(1) Subtask 531272-910-601-002 - 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
Consumable Material List (CML)	
Structural Repair Manual (SRM)	51-23-12 51-24-00 51-42-00 51-43-00 51-44-00 51-48-00 51-75-12

- (a) For the specification of materials (Mat. No.) given in this Service Bulletin refer to Consumable Materials List (CML).
- (b) For the Frame (FR) identification, refer to AMM 06-31-53, Page Block 001.
- (c) For the identification of zones, refer to AMM 06-20-00, Page Block 001 and "Manual Front Matter, Zone List".
- (d) For the identification of access panels, refer to AMM 06-41-53, Page Block 001 and "Manual Front Matter, Panel List".
- (e) Obtain the information for removal and installation of fasteners in accordance with SRM 51-42-00.
- (f) Do the cold expansion of the holes in accordance with SRM 51-48-00.
- (g) Apply the sealant in accordance with SRM 51-24-00.
- (h) Obtain fastener hole diameters and drill and deburr data in accordance with SRM 51-44-00.
- (i) Obtain alternative and substitute fastener data in accordance with SRM 51-43-00.
- (j) Renew the protective finish in accordance with SRM 51-75-12.
- (k) Renew the special protection in accordance with SRM 51-23-12.

(2) Subtask 531272-839-601-001 - Administrative

Manpower Resources	
Skills	NON SPECIFIC

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

****CONF 003**

(1) Subtask 531272-910-601-002 - 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
Consumable Material List (CML)	
Structural Repair Manual (SRM)	51-23-12 51-24-00 51-42-00 51-43-00 51-44-00 51-48-00 51-75-12

- (a) For the specification of materials (Mat. No.) given in this Service Bulletin refer to Consumable Materials List (CML).
- (b) For the Frame (FR) identification, refer to AMM 06-31-53, Page Block 001.
- (c) For the identification of zones, refer to AMM 06-20-00, Page Block 001 and "Manual Front Matter, Zone List".
- (d) For the identification of access panels, refer to AMM 06-41-53, Page Block 001 and "Manual Front Matter, Panel List".
- (e) Obtain the information for removal and installation of fasteners in accordance with SRM 51-42-00.
- (f) Do the cold expansion of the holes in accordance with SRM 51-48-00.
- (g) Apply the sealant in accordance with SRM 51-24-00.
- (h) Obtain fastener hole diameters and drill and deburr data in accordance with SRM 51-44-00.
- (i) Obtain alternative and substitute fastener data in accordance with SRM 51-43-00.
- (j) Renew the protective finish in accordance with SRM 51-75-12.
- (k) Renew the special protection in accordance with SRM 51-23-12.

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(2) Subtask 531272-839-601-001 - Administrative

Manpower Resources	
Skills	NON SPECIFIC

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

****CONF 004**

(1) Subtask 531272-910-601-002 - 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
Consumable Material List (CML)	
Structural Repair Manual (SRM)	51-23-12 51-24-00 51-42-00 51-43-00 51-44-00 51-48-00 51-75-12

- (a) For the specification of materials (Mat. No.) given in this Service Bulletin refer to Consumable Materials List (CML).
- (b) For the Frame (FR) identification, refer to AMM 06-31-53, Page Block 001.
- (c) For the identification of zones, refer to AMM 06-20-00, Page Block 001 and "Manual Front Matter, Zone List".
- (d) For the identification of access panels, refer to AMM 06-41-53, Page Block 001 and "Manual Front Matter, Panel List".
- (e) Obtain the information for removal and installation of fasteners in accordance with SRM 51-42-00.
- (f) Do the cold expansion of the holes in accordance with SRM 51-48-00.
- (g) Apply the sealant in accordance with SRM 51-24-00.
- (h) Obtain fastener hole diameters and drill and deburr data in accordance with SRM 51-44-00.
- (i) Obtain alternative and substitute fastener data in accordance with SRM 51-43-00.
- (j) Renew the protective finish in accordance with SRM 51-75-12.

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(k) Renew the special protection in accordance with SRM 51-23-12.

(2) Subtask 531272-839-601-001 - Administrative

Manpower Resources	
Skills	NON SPECIFIC

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

****CONF 005**

(1) Subtask 531272-910-601-002 - 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
Consumable Material List (CML)	
Structural Repair Manual (SRM)	51-23-12 51-24-00 51-42-00 51-43-00 51-44-00 51-48-00 51-75-12

- (a) For the specification of materials (Mat. No.) given in this Service Bulletin refer to Consumable Materials List (CML).
- (b) For the Frame (FR) identification, refer to AMM 06-31-53, Page Block 001.
- (c) For the identification of zones, refer to AMM 06-20-00, Page Block 001 and "Manual Front Matter, Zone List".
- (d) For the identification of access panels, refer to AMM 06-41-53, Page Block 001 and "Manual Front Matter, Panel List".
- (e) Obtain the information for removal and installation of fasteners in accordance with SRM 51-42-00.
- (f) Do the cold expansion of the holes in accordance with SRM 51-48-00.
- (g) Apply the sealant in accordance with SRM 51-24-00.
- (h) Obtain fastener hole diameters and drill and deburr data in accordance with SRM 51-44-00.
- (i) Obtain alternative and substitute fastener data in accordance with SRM 51-43-00.

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- (j) Renew the protective finish in accordance with SRM 51-75-12.
- (k) Renew the special protection in accordance with SRM 51-23-12.

(2) Subtask 531272-839-601-001 - Administrative

Manpower Resources	
Skills	NON SPECIFIC

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

****CONF ALL**

B. PREPARATION

****CONF 001**

(1) Subtask 531272-941-601-001 - 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 25-55-12-000-001 Task 25-80-00-000-001 Task 52-30-00-860-001 Task 53-42-17-000-001

- (a) Make sure that the aircraft is electrically grounded, refer to AMM Task 12-34-24-869-002.
- (b) Put access platform in position at the AFT Cargo-Compartment Door.
- (c) Open the AFT Cargo-Compartment Door 826 refer to AMM Task 52-30-00-860-001.
- (d) Remove the partition panel 161DW and, if necessary, 162DW refer to AMM Task 25-55-12-000-001.
- (e) Remove the floor panel 161EF refer to AMM 06-41-53, Page Block 001 and refer to AMM Task 53-42-17-000-001.
- (f) Remove the necessary insulation blankets, refer to AMM Task 25-80-00-000-001.

****CONF 002**

(1) Subtask 531272-941-601-001 - Job Set-up

Manpower Resources	
Skills	NON SPECIFIC

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References	
Aircraft Maintenance Manual (AMM)	06-41-53, Page Block 001 Task 12-34-24-869-002 Task 25-55-12-000-001 Task 25-80-00-000-001 Task 52-30-00-860-001 Task 53-42-17-000-001

- (a) Make sure that the aircraft is electrically grounded, refer to AMM Task 12-34-24-869-002.
- (b) Put access platform in position at the AFT Cargo-Compartment Door.
- (c) Open the AFT Cargo-Compartment Door 826 refer to AMM Task 52-30-00-860-001.
- (d) Remove the partition panel 161DW and, if necessary, 162DW refer to AMM Task 25-55-12-000-001.
- (e) Remove the floor panel 161EF refer to AMM 06-41-53, Page Block 001 and refer to AMM Task 53-42-17-000-001.
- (f) Remove the necessary insulation blankets, refer to AMM Task 25-80-00-000-001.

****CONF 003**

(1) Subtask 531272-941-601-001 - 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 25-55-12-000-001 Task 25-80-00-000-001 Task 52-30-00-860-001 Task 53-42-17-000-001

- (a) Make sure that the aircraft is electrically grounded, refer to AMM Task 12-34-24-869-002.
- (b) Put access platform in position at the AFT Cargo-Compartment Door.
- (c) Open the AFT Cargo-Compartment Door 826 refer to AMM Task 52-30-00-860-001.
- (d) Remove the partition panel 161DW and, if necessary, 162DW refer to AMM Task 25-55-12-000-001.
- (e) Remove the floor panel 161EF refer to AMM 06-41-53, Page Block 001 and refer to AMM Task 53-42-17-000-001.
- (f) Remove the necessary insulation blankets, refer to AMM Task 25-80-00-000-001.

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****CONF 004**

(1) Subtask 531272-941-601-001 - 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 25-55-12-000-001 Task 25-80-00-000-001 Task 52-30-00-860-001 Task 53-42-17-000-001

- (a) Make sure that the aircraft is electrically grounded, refer to AMM Task 12-34-24-869-002.
- (b) Put access platform in position at the AFT Cargo-Compartment Door.
- (c) Open the AFT Cargo-Compartment Door 826 refer to AMM Task 52-30-00-860-001.
- (d) Remove the partition panel 161DW and, if necessary, 162DW refer to AMM Task 25-55-12-000-001.
- (e) Remove the floor panel 161EF refer to AMM 06-41-53, Page Block 001 and refer to AMM Task 53-42-17-000-001.
- (f) Remove the necessary insulation blankets, refer to AMM Task 25-80-00-000-001.

****CONF 005**

(1) Subtask 531272-941-601-001 - 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 25-55-12-000-001 Task 25-80-00-000-001 Task 52-30-00-860-001 Task 53-42-17-000-001

- (a) Make sure that the aircraft is electrically grounded, refer to AMM Task 12-34-24-869-002.
- (b) Put access platform in position at the AFT Cargo-Compartment Door.
- (c) Open the AFT Cargo-Compartment Door 826 refer to AMM Task 52-30-00-860-001.

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- (d) Remove the partition panel 161DW and, if necessary, 162DW refer to AMM Task 25-55-12-000-001.
- (e) Remove the floor panel 161EF refer to AMM 06-41-53, Page Block 001 and refer to AMM Task 53-42-17-000-001.
- (f) Remove the necessary insulation blankets, refer to AMM Task 25-80-00-000-001.

****CONF ALL**

C. PROCEDURE

****CONF 001**

(1) Subtask 531272-020-601-001 - Remove the Fasteners for Cold Working

Work Zones and Access Panels			
	Zone	Access/Work location	
	171	Work location	from Frame 65 to Frame 66

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

Material necessary to do the job

Consumable CMLC01				
ITEM	DESCRIPTION	REFERENCE TO CML MAT. No.	QTY PER A/C	SEE NOTES
	Non Aqueous Cleaner-General	08BAA9	As required	

References	
Aircraft Maintenance Manual (AMM)	Task 20-21-11-911-801
Non Destructive Test Manual (NTM)	Task 51-10-01-250-801
Structural Repair Manual (SRM)	51-42-00 51-44-00 51-48-00 51-75-12
Fig. A-SBAAA Replacement of the solid rivets, FR65 to FR66.	Sheet 01 Sheet 02

- (a) Remove the fasteners above the door in accordance with SRM 51-42-00 and refer to Fig. A-SBAAA Sheet 01 and Fig. A-SBAAA Sheet 02.

1 Remove:

65 Rivet
Item (1) Discard

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(b) Clean the surface with:

Non Aqueous Cleaner-General	08BAA9	As required
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(c) Check that the diameter of all the holes of the removed fasteners is less than 4.29 mm (0.168 in).

- 1 If the diameter is not correct, contact AIRBUS.
- 2 If the diameter is correct, do the instructions concerning the rotating probe inspection given in the following paragraph.

(2) Subtask 531272-250-601-001 - Do the Rotating Probe Inspection of the Fastener Holes

Work Zones and Access Panels			
	Zone	Access/Work location	
	171	Work location	from Frame 65 to Frame 66 Stringer 37LH

Manpower Resources	
Manhours	1.00
Minimum number of person	1
Subtask elapsed time	1.00
Skills	NON DESTRUCTIVE TESTING

References	
Non Destructive Test Manual (NTM)	Task 51-10-01-250-801
Fig. A-SBAAA Replacement of the solid rivets, FR65 to FR66.	<u>Sheet 01</u> <u>Sheet 02</u>

(a) Do a rotating probe inspection on the holes of the removed fasteners, refer to NTM Task 51-10-01-250-801 and refer to Fig. A-SBAAA Sheet 01 and Fig. A-SBAAA Sheet 02.

- 1 If crack is found, contact AIRBUS.
- 2 If no crack is found, do the instructions given in the following paragraph.

(3) Subtask 531272-831-601-001 - Do the Cold Working on the Fastener Holes

Work Zones and Access Panels			
	Zone	Access/Work location	
	171	Work location	from Frame 65 to Frame 66 Stringer 37LH

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

Material necessary to do the job

Consumable CMLC01				
ITEM	DESCRIPTION	REFERENCE TO CML MAT. No.	QTY PER A/C	SEE NOTES
	Non Aqueous Cleaner-General	08BAA9	As required	

Standard tool TOOLC01				
ITEM	TOOL N°	TOOL NAME	QTY	SEE NOTES
	DKA320531272-1	Durable tooling	1	(1)
	EKA320531272-1	Expendable tooling	1	(2)
	FEIA320531272-1	Capital tooling	1	(3)

NOTE (1): Durable tooling: Ref. DK-A320-53-1272-1

The durable tool kit contains the minimum quantity of durable tools necessary to accomplish the Service Bulletin on one aircraft. If the Service Bulletin is to be accomplished on more than one aircraft, the number of durable kits required can be established by reference to SIL 51-012.

NOTE (2): Expendable tooling: Ref. EKA-A320-53-1272-1

The expendable tool kit contains the quantity of expendable tools required to accomplish the Service Bulletin on one aircraft. Order one expendable tool kit for every aircraft on which this Service Bulletin is to be accomplished.

NOTE (3): Capital tooling: Ref. FEIA-A320-53-1272-1

The capital tools provided in this kit are not specific to this Service Bulletin and are normally already available in operators' stock as a long-term investment or can be loaned from FTI.

References	
Structural Repair Manual (SRM)	51-44-00 51-48-00
Fig. A-SBAAA Replacement of the solid rivets, FR65 to FR66.	<u>Sheet 01</u> <u>Sheet 02</u>

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(a) Do the cold expansion on the holes in accordance with SRM 51-48-00 and SRM 51-44-00, class A 4-4-N.

1 Oversize the holes to the starting hole diameter given in Fig. A-SBAAA Sheet 02

Use FTI tool list No.

DKA320531272-1 Durable tooling 1

2 Clean the drilled areas with:

Non Aqueous 08BAA9 As required
Cleaner-General

3 Install sleeves in accordance with SRM 51-48-00.

Use FTI tool list No.

EKA320531272-1 Expendable tooling 1

4 Do the cold expansion of the holes in accordance with SRM 51-48-00.

Use FTI tool list No.

FEIA320531272-1 Capital tooling 1

5 Remove the sleeves.

6 Ream the holes to the final hole diameter given Fig. A-SBAAA Sheet 02

Use FTI tools list No.

DKA320531272-1 Durable tooling 1

(4) Subtask 531272-370-602-001 - Renew the Surface Protection of the Fastener Holes

Work Zones and Access Panels			
	Zone	Access/Work location	
	171	Work location	from Frame 65 to Frame 66 Stringer 37LH

Manpower Resources	
Manhours	0.25
Minimum number of person	1
Subtask elapsed time	0.25
Skills	NON SPECIFIC

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Material necessary to do the job

Consumable CMLC01				
ITEM	DESCRIPTION	REFERENCE TO CML MAT. No.	QTY PER A/C	SEE NOTES
	Non Aqueous Cleaner-General	08BAA9	As required	
	Surface Pretreatment-Light Alloys Chemical Conver	10ABC1	As required	

References	
Structural Repair Manual (SRM)	51-75-12

(a) Clean the drilled areas with:

Non Aqueous Cleaner-General 08BAA9 As required

(b) Renew the protective finish of the holes:

Surface Pretreatment-Light Alloys Chemical Conver 10ABC1 As required

(5) Subtask 531272-420-601-001 - Install the new Fasteners after Cold Working

Work Zones and Access Panels			
	Zone	Access/Work location	
	171	Work location	from Frame 65 to Frame 66 Stringer 37LH

Manpower Resources	
Manhours	1.25
Minimum number of person	1
Subtask elapsed time	1.25
Skills	AIRFRAME

Material necessary to do the job

Kit 531272C01R00				
ITEM	NEW PART N°	QTY (UM)	KEYWORD	SEE NOTES
1	DAN6-6-3	25	PIN	
2	DAN6-6-4	40	PIN	
3	DAN12-6	65	COLLAR	

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Consumable CMLC01				
ITEM	DESCRIPTION	REFERENCE TO CML MAT. No.	QTY PER A/C	SEE NOTES
	Polysulfide Sealant-General Purpose Interfay	06AAC1	As required	

References	
Aircraft Maintenance Manual (AMM)	Task 20-21-11-911-001
Structural Repair Manual (SRM)	51-42-00
Fig. A-SBAAA Replacement of the solid rivets, FR65 to FR66.	<u>Sheet 01</u> <u>Sheet 02</u>

- (a) Install the new fasteners in accordance with SRM 51-42-00, refer to AMM Task 20-21-11-911-001 and refer to Fig. A-SBAAA Sheet 02:

25	Pin-Rivet	DAN6-6-3	Item 1
40	Pin-Rivet	DAN6-6-4	Item 2
65	Collar	DAN12-6	Item 3

NOTE: If the length of any fastener specified in this Service Bulletin does not meet installation standards given in SRM Chapter 51, then a fastener of the same specification, or an approved substitute, with a length which meets the installation standards given in SRM Chapter 51 may be used. In addition, washers may be installed for fastener grip length in accordance with SRM Chapter 51.

NOTE: Wet assembly of the fasteners with:

Polysulfide Sealant- 06AAC1 As required
General Purpose
Interfay

(6) Subtask 531272-370-601-001 - Renew the Surface Protection of the Structure in the Modification Area

Work Zones and Access Panels			
	Zone	Access/Work location	
	171	Work location	from Frame 65 to Frame 66 Stringer 37LH

Manpower Resources	
Manhours	0.25
Minimum number of person	1
Subtask elapsed time	0.25
Skills	NON SPECIFIC

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Material necessary to do the job

Consumable CMLC01				
ITEM	DESCRIPTION	REFERENCE TO CML MAT. No.	QTY PER A/C	SEE NOTES
	Primer Epoxy Paint-Corrosion Inhibiting Structure	04DAB2	As required	
	Top Coat Polyurethane-Grey Internal Structure	04JME4	As required	
	Coating-Flexible Structure	04QAB2	As required	
	Corrosion Preventive Compound-Water Displacing	12ADB1		

References	
Structural Repair Manual (SRM)	51-23-12 51-75-12
Fig. A-SBAAA Replacement of the solid rivets, FR65 to FR66.	<u>Sheet 01</u> <u>Sheet 02</u>

- (a) Renew the protective finish to the outer fuselage side in accordance with SRM 51-75-12:

Primer Epoxy Paint- 04DAB2 As required
Corrosion Inhibiting
Structure

Top Coat 04JME4 As required
Polyurethane-Grey
Internal Structure

- (b) Renew the protective finish to the inner fuselage side in accordance with SRM 51-75-12 and SRM 51-23-12:

Primer Epoxy Paint- 04DAB2 As required
Corrosion Inhibiting
Structure

Coating-Flexible 04QAB2 As required
Structure

Corrosion 12ADB1 As required
Preventive
Compound-Water
Displacing

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****CONF 002**

(1) Subtask 531272-020-601-001 - Remove the Fasteners for Cold Working

Work Zones and Access Panels			
	Zone	Access/Work location	
	171	Work location	from Frame 65 to Frame 66

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

Material necessary to do the job

Consumable CMLC01				
ITEM	DESCRIPTION	REFERENCE TO CML MAT. No.	QTY PER A/C	SEE NOTES
	Non Aqueous Cleaner-General	08BAA9	As required	

References	
Aircraft Maintenance Manual (AMM)	Task 20-21-11-911-801
Non Destructive Test Manual (NTM)	Task 51-10-01-250-801
Structural Repair Manual (SRM)	51-42-00 51-44-00 51-48-00 51-75-12
Fig. A-SBAAA Replacement of the solid rivets, FR65 to FR66.	<u>Sheet 01</u> <u>Sheet 02</u>

- (a) Remove the fasteners above the door in accordance with SRM 51-42-00 and refer to Fig. A-SBAAA Sheet 01 and Fig. A-SBAAA Sheet 02.

1 Remove:

65	Rivet	Item (1)	Discard
----	-------	----------	---------

- (b) Clean the surface with:

Non Aqueous Cleaner-General	08BAA9	As required
-----------------------------	--------	-------------

- (c) Check that the diameter of all the holes of the removed fasteners is less than 4.29 mm (0.168 in).

1 If the diameter is not correct, contact AIRBUS.

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- 2 If the diameter is correct, do the instructions concerning the rotating probe inspection given in the following paragraph.

(2) Subtask 531272-250-601-001 - Do the Rotating Probe Inspection of the Fastener Holes

Work Zones and Access Panels			
	Zone	Access/Work location	
	171	Work location	from Frame 65 to Frame 66 Stringer 37LH

Manpower Resources	
Manhours	1.00
Minimum number of person	1
Subtask elapsed time	1.00
Skills	NON DESTRUCTIVE TESTING

References	
Non Destructive Test Manual (NTM)	Task 51-10-01-250-801
Fig. A-SBAAA Replacement of the solid rivets, FR65 to FR66.	Sheet 01 Sheet 02

- (a) Do a rotating probe inspection on the holes of the removed fasteners, refer to NTM Task 51-10-01-250-801 and refer to Fig. A-SBAAA Sheet 01 and Fig. A-SBAAA Sheet 02.

- 1 If crack is found, contact AIRBUS.
- 2 If no crack is found, do the instructions given in the following paragraph.

(3) Subtask 531272-831-601-001 - Do the Cold Working on the Fastener Holes

Work Zones and Access Panels			
	Zone	Access/Work location	
	171	Work location	from Frame 65 to Frame 66 Stringer 37LH

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

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Material necessary to do the job

Consumable CMLC01				
ITEM	DESCRIPTION	REFERENCE TO CML MAT. No.	QTY PER A/C	SEE NOTES
	Non Aqueous Cleaner- General	08BAA9	As required	

Standard tool TOOLC01				
ITEM	TOOL N°	TOOL NAME	QTY	SEE NOTES
	DKA320531272-1	Durable tooling	1	(1)
	EKA320531272-1	Expendable tooling	1	(2)
	FEIA320531272-1	Capital tooling	1	(3)

NOTE (1): Durable tooling: Ref. DK-A320-53-1272-1

The durable tool kit contains the minimum quantity of durable tools necessary to accomplish the Service Bulletin on one aircraft. If the Service Bulletin is to be accomplished on more than one aircraft, the number of durable kits required can be established by reference to SIL 51-012.

NOTE (2): Expendable tooling: Ref. EKA-A320-53-1272-1

The expendable tool kit contains the quantity of expendable tools required to accomplish the Service Bulletin on one aircraft. Order one expendable tool kit for every aircraft on which this Service Bulletin is to be accomplished.

NOTE (3): Capital tooling: Ref. FEIA-A320-53-1272-1

The capital tools provided in this kit are not specific to this Service Bulletin and are normally already available in operators' stock as a long-term investment or can be loaned from FTI.

References	
Structural Repair Manual (SRM)	51-44-00 51-48-00
Fig. A-SBAAA Replacement of the solid rivets, FR65 to FR66.	<u>Sheet 01</u> <u>Sheet 02</u>

(a) Do the cold expansion on the holes in accordance with SRM 51-48-00 and SRM 51-44-00, class A 4-4-N.

1 Oversize the holes to the starting hole diameter given in Fig. A-SBAAA Sheet 02

Use FTI tool list No.

DKA320531272-1 Durable tooling 1

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2 Clean the drilled areas with:

Non Aqueous 08BAA9 As required
Cleaner-General

3 Install sleeves in accordance with SRM 51-48-00.

Use FTI tool list No.

EKA320531272-1 Expendable tooling 1

4 Do the cold expansion of the holes in accordance with SRM 51-48-00.

Use FTI tool list No.

FEIA320531272-1 Capital tooling 1

5 Remove the sleeves.

6 Ream the holes to the final hole diameter given Fig. A-SBAAA Sheet 02

Use FTI tools list No.

DKA320531272-1 Durable tooling 1

(4) Subtask 531272-370-602-001 - Renew the Surface Protection of the Fastener Holes

Work Zones and Access Panels			
	Zone	Access/Work location	
	171	Work location	from Frame 65 to Frame 66 Stringer 37LH

Manpower Resources	
Manhours	0.25
Minimum number of person	1
Subtask elapsed time	0.25
Skills	NON SPECIFIC

Material necessary to do the job

Consumable CMLC01				
ITEM	DESCRIPTION	REFERENCE TO CML MAT. No.	QTY PER A/C	SEE NOTES
	Non Aqueous Cleaner- General	08BAA9	As required	
	Surface Pretreatment-Light Alloys Chemical Conver	10ABC1	As required	

References	
Structural Repair Manual (SRM)	51-75-12

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- (a) Clean the drilled areas with:
- | | | |
|--------------------------------|--------|-------------|
| Non Aqueous
Cleaner-General | 08BAA9 | As required |
|--------------------------------|--------|-------------|
- (b) Renew the protective finish of the holes:
- | | | |
|--|--------|-------------|
| Surface
Pretreatment-Light
Alloys Chemical
Conver | 10ABC1 | As required |
|--|--------|-------------|

(5) Subtask 531272-420-601-001 - Install the new Fasteners after Cold Working

Work Zones and Access Panels			
	Zone	Access/Work location	
	171	Work location	from Frame 65 to Frame 66 Stringer 37LH

Manpower Resources	
Manhours	1.25
Minimum number of person	1
Subtask elapsed time	1.25
Skills	AIRFRAME

Material necessary to do the job

Kit 531272C01R00				
ITEM	NEW PART N°	QTY (UM)	KEYWORD	SEE NOTES
1	DAN6-6-3	25	PIN	
2	DAN6-6-4	40	PIN	
3	DAN12-6	65	COLLAR	

Consumable CMLC01				
ITEM	DESCRIPTION	REFERENCE TO CML MAT. No.	QTY PER A/C	SEE NOTES
	Polysulfide Sealant-General Purpose Interfay	06AAC1	As required	

References	
Aircraft Maintenance Manual (AMM)	Task 20-21-11-911-001
Structural Repair Manual (SRM)	51-42-00
Fig. A-SBAAA Replacement of the solid rivets, FR65 to FR66.	<u>Sheet 01</u> <u>Sheet 02</u>

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- (a) Install the new fasteners in accordance with SRM 51-42-00, refer to AMM Task 20-21-11-911-001 and refer to Fig. A-SBAAA Sheet 02:

25	Pin-Rivet	DAN6-6-3	Item 1
40	Pin-Rivet	DAN6-6-4	Item 2
65	Collar	DAN12-6	Item 3

NOTE: If the length of any fastener specified in this Service Bulletin does not meet installation standards given in SRM Chapter 51, then a fastener of the same specification, or an approved substitute, with a length which meets the installation standards given in SRM Chapter 51 may be used. In addition, washers may be installed for fastener grip length in accordance with SRM Chapter 51.

NOTE: Wet assembly of the fasteners with:

Polysulfide Sealant- 06AAC1 As required
 General Purpose
 Interfay

(6) Subtask 531272-370-601-001 - Renew the Surface Protection of the Structure in the Modification Area

Work Zones and Access Panels			
	Zone	Access/Work location	
	171	Work location	from Frame 65 to Frame 66 Stringer 37LH

Manpower Resources	
Manhours	0.25
Minimum number of person	1
Subtask elapsed time	0.25
Skills	NON SPECIFIC

Material necessary to do the job

Consumable CMLC01				
ITEM	DESCRIPTION	REFERENCE TO CML MAT. No.	QTY PER A/C	SEE NOTES
	Primer Epoxy Paint- Corrosion Inhibiting Structure	04DAB2	As required	
	Top Coat Polyurethane- Grey Internal Structure	04JME4	As required	
	Coating-Flexible Structure	04QAB2	As required	
	Corrosion Preventive Compound-Water Displacing	12ADB1		

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References	
Structural Repair Manual (SRM)	51-23-12 51-75-12
Fig. A-SBAAA Replacement of the solid rivets, FR65 to FR66.	<u>Sheet 01</u> <u>Sheet 02</u>

- (a) Renew the protective finish to the outer fuselage side in accordance with SRM 51-75-12:

Primer Epoxy Paint- Corrosion Inhibiting Structure	04DAB2	As required
Top Coat Polyurethane-Grey Internal Structure	04JME4	As required

- (b) Renew the protective finish to the inner fuselage side in accordance with SRM 51-75-12 and SRM 51-23-12:

Primer Epoxy Paint- Corrosion Inhibiting Structure	04DAB2	As required
Coating-Flexible Structure	04QAB2	As required
Corrosion Preventive Compound-Water Displacing	12ADB1	As required

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(1) Subtask 531272-020-601-001 - Remove the Fasteners for Cold Working

Work Zones and Access Panels			
	Zone	Access/Work location	
	171	Work location	from Frame 65 to Frame 66

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

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Material necessary to do the job

Consumable CMLC01				
ITEM	DESCRIPTION	REFERENCE TO CML MAT. No.	QTY PER A/C	SEE NOTES
	Non Aqueous Cleaner- General	08BAA9	As required	

References	
Aircraft Maintenance Manual (AMM)	Task 20-21-11-911-801
Non Destructive Test Manual (NTM)	Task 51-10-01-250-801
Structural Repair Manual (SRM)	51-42-00 51-44-00 51-48-00 51-75-12
Fig. A-SBAAA Replacement of the solid rivets, FR65 to FR66.	Sheet 01 Sheet 02

(a) Remove the fasteners above the door in accordance with SRM 51-42-00 and refer to Fig. A-SBAAA Sheet 01 and Fig. A-SBAAA Sheet 02.

1 Remove:

65	Rivet	Item (1)	Discard
----	-------	----------	---------

(b) Clean the surface with:

Non Aqueous Cleaner-General	08BAA9	As required
--------------------------------	--------	-------------

(c) Check that the diameter of all the holes of the removed fasteners is less than 4.29 mm (0.168 in).

1 If the diameter is not correct, contact AIRBUS.

2 If the diameter is correct, do the instructions concerning the rotating probe inspection given in the following paragraph.

(2) Subtask 531272-250-601-001 - Do the Rotating Probe Inspection of the Fastener Holes

Work Zones and Access Panels			
	Zone	Access/Work location	
	171	Work location	from Frame 65 to Frame 66 Stringer 37LH

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Manpower Resources	
Manhours	1.00
Minimum number of person	1
Subtask elapsed time	1.00
Skills	NON DESTRUCTIVE TESTING

References	
Non Destructive Test Manual (NTM)	Task 51-10-01-250-801
Fig. A-SBAAA Replacement of the solid rivets, FR65 to FR66.	Sheet 01 Sheet 02

(a) Do a rotating probe inspection on the holes of the removed fasteners, refer to NTM Task 51-10-01-250-801 and refer to [Fig. A-SBAAA Sheet 01](#) and [Fig. A-SBAAA Sheet 02](#).

- 1 If crack is found, contact AIRBUS.
- 2 If no crack is found, do the instructions given in the following paragraph.

(3) Subtask 531272-831-601-001 - Do the Cold Working on the Fastener Holes

Work Zones and Access Panels			
	Zone	Access/Work location	
	171	Work location	from Frame 65 to Frame 66 Stringer 37LH

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

Material necessary to do the job

Consumable CMLC01				
ITEM	DESCRIPTION	REFERENCE TO CML MAT. No.	QTY PER A/C	SEE NOTES
	Non Aqueous Cleaner-General	08BAA9	As required	

Standard tool TOOLC01				
ITEM	TOOL N°	TOOL NAME	QTY	SEE NOTES
	DKA320531272-1	Durable tooling	1	(1)
	EKA320531272-1	Expendable tooling	1	(2)
	FEIA320531272-1	Capital tooling	1	(3)

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NOTE (1): Durable tooling: Ref. DK-A320-53-1272-1

The durable tool kit contains the minimum quantity of durable tools necessary to accomplish the Service Bulletin on one aircraft. If the Service Bulletin is to be accomplished on more than one aircraft, the number of durable kits required can be established by reference to SIL 51-012.

NOTE (2): Expendable tooling: Ref. EKA-A320-53-1272-1

The expendable tool kit contains the quantity of expendable tools required to accomplish the Service Bulletin on one aircraft. Order one expendable tool kit for every aircraft on which this Service Bulletin is to be accomplished.

NOTE (3): Capital tooling: Ref. FEIA-A320-53-1272-1

The capital tools provided in this kit are not specific to this Service Bulletin and are normally already available in operators' stock as a long-term investment or can be loaned from FTI.

References	
Structural Repair Manual (SRM)	51-44-00 51-48-00
Fig. A-SBAAA Replacement of the solid rivets, FR65 to FR66.	<u>Sheet 01</u> <u>Sheet 02</u>

(a) Do the cold expansion on the holes in accordance with SRM 51-48-00 and SRM 51-44-00, class A 4-4-N.

1 Oversize the holes to the starting hole diameter given in Fig. A-SBAAA Sheet 02

Use FTI tool list No.

DKA320531272-1 Durable tooling 1

2 Clean the drilled areas with:

Non Aqueous 08BAA9 As required
Cleaner-General

3 Install sleeves in accordance with SRM 51-48-00.

Use FTI tool list No.

EKA320531272-1 Expendable tooling 1

4 Do the cold expansion of the holes in accordance with SRM 51-48-00.

Use FTI tool list No.

FEIA320531272-1 Capital tooling 1

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- 5 Remove the sleeves.
 - 6 Ream the holes to the final hole diameter given Fig. A-SBAAA Sheet 02
- Use FTI tools list No.

DKA320531272-1 Durable tooling 1

(4) Subtask 531272-370-602-001 - Renew the Surface Protection of the Fastener Holes

Work Zones and Access Panels			
	Zone	Access/Work location	
	171	Work location	from Frame 65 to Frame 66 Stringer 37LH

Manpower Resources	
Manhours	0.25
Minimum number of person	1
Subtask elapsed time	0.25
Skills	NON SPECIFIC

Material necessary to do the job

Consumable CMLC01				
ITEM	DESCRIPTION	REFERENCE TO CML MAT. No.	QTY PER A/C	SEE NOTES
	Non Aqueous Cleaner- General	08BAA9	As required	
	Surface Pretreatment-Light Alloys Chemical Conver	10ABC1	As required	

References	
Structural Repair Manual (SRM)	51-75-12

- (a) Clean the drilled areas with:

Non Aqueous Cleaner-General	08BAA9	As required
--------------------------------	--------	-------------

- (b) Renew the protective finish of the holes:

Surface Pretreatment-Light Alloys Chemical Conver	10ABC1	As required
--	--------	-------------

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(5) Subtask 531272-420-601-001 - Install the new Fasteners after Cold Working

Work Zones and Access Panels			
	Zone	Work location	Access/Work location
	171	Work location	from Frame 65 to Frame 66 Stringer 37LH

Manpower Resources	
Manhours	1.25
Minimum number of person	1
Subtask elapsed time	1.25
Skills	AIRFRAME

Material necessary to do the job

Kit 531272C01R00				
ITEM	NEW PART N°	QTY (UM)	KEYWORD	SEE NOTES
1	DAN6-6-3	25	PIN	
2	DAN6-6-4	40	PIN	
3	DAN12-6	65	COLLAR	

Consumable CMLC01				
ITEM	DESCRIPTION	REFERENCE TO CML MAT. No.	QTY PER A/C	SEE NOTES
	Polysulfide Sealant-General Purpose Interfay	06AAC1	As required	

References	
Aircraft Maintenance Manual (AMM)	Task 20-21-11-911-001
Structural Repair Manual (SRM)	51-42-00
Fig. A-SBAAA Replacement of the solid rivets, FR65 to FR66.	<u>Sheet 01</u> <u>Sheet 02</u>

- (a) Install the new fasteners in accordance with SRM 51-42-00, refer to AMM Task 20-21-11-911-001 and refer to Fig. A-SBAAA Sheet 02:

25	Pin-Rivet	DAN6-6-3	Item 1
40	Pin-Rivet	DAN6-6-4	Item 2
65	Collar	DAN12-6	Item 3

NOTE:

If the length of any fastener specified in this Service Bulletin does not meet installation standards given in SRM Chapter 51, then a fastener of the same specification, or an approved substitute, with a length which meets the installation standards given in SRM Chapter 51 may be used. In addition, washers may be installed for fastener grip length in accordance with SRM Chapter 51.

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NOTE: Wet assembly of the fasteners with:

Polysulfide Sealant- 06AAC1 As required
 General Purpose
 Interfay

(6) Subtask 531272-370-601-001 - Renew the Surface Protection of the Structure in the Modification Area

Work Zones and Access Panels			
	Zone	Access/Work location	
	171	Work location	from Frame 65 to Frame 66 Stringer 37LH

Manpower Resources	
Manhours	0.25
Minimum number of person	1
Subtask elapsed time	0.25
Skills	NON SPECIFIC

Material necessary to do the job

Consumable CMLC01				
ITEM	DESCRIPTION	REFERENCE TO CML MAT. No.	QTY PER A/C	SEE NOTES
	Primer Epoxy Paint-Corrosion Inhibiting Structure	04DAB2	As required	
	Top Coat Polyurethane-Grey Internal Structure	04JME4	As required	
	Coating-Flexible Structure	04QAB2	As required	
	Corrosion Preventive Compound-Water Displacing	12ADB1		

References	
Structural Repair Manual (SRM)	51-23-12 51-75-12
Fig. A-SBAAA Replacement of the solid rivets, FR65 to FR66.	Sheet 01 Sheet 02

(a) Renew the protective finish to the outer fuselage side in accordance with SRM 51-75-12:

Primer Epoxy Paint- 04DAB2 As required
 Corrosion Inhibiting
 Structure

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Top Coat Polyurethane-Grey Internal Structure	04JME4	As required
---	--------	-------------

- (b) Renew the protective finish to the inner fuselage side in accordance with SRM 51-75-12 and SRM 51-23-12:

Primer Epoxy Paint- Corrosion Inhibiting Structure	04DAB2	As required
--	--------	-------------

Coating-Flexible Structure	04QAB2	As required
-------------------------------	--------	-------------

Corrosion Preventive Compound-Water Displacing	12ADB1	As required
---	--------	-------------

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(1) Subtask 531272-020-601-001 - Remove the Fasteners for Cold Working

Work Zones and Access Panels			
	Zone	Access/Work location	
	171	Work location	from Frame 65 to Frame 66

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

Material necessary to do the job

Consumable CMLC01				
ITEM	DESCRIPTION	REFERENCE TO CML MAT. No.	QTY PER A/C	SEE NOTES
	Non Aqueous Cleaner- General	08BAA9	As required	

References	
Aircraft Maintenance Manual (AMM)	Task 20-21-11-911-801
Non Destructive Test Manual (NTM)	Task 51-10-01-250-801
Structural Repair Manual (SRM)	51-42-00 51-44-00 51-48-00 51-75-12

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References	
Fig. A-SBAAA Replacement of the solid rivets, FR65 to FR66.	<u>Sheet 01</u> <u>Sheet 02</u>

(a) Remove the fasteners above the door in accordance with SRM 51-42-00 and refer to Fig. A-SBAAA Sheet 01 and Fig. A-SBAAA Sheet 02.

1 Remove:

65	Rivet	Item (1)	Discard
----	-------	----------	---------

(b) Clean the surface with:

Non Aqueous Cleaner-General	08BAA9	As required
--------------------------------	--------	-------------

(c) Check that the diameter of all the holes of the removed fasteners is less than 4.29 mm (0.168 in).

1 If the diameter is not correct, contact AIRBUS.

2 If the diameter is correct, do the instructions concerning the rotating probe inspection given in the following paragraph.

(2) Subtask 531272-250-601-001 - Do the Rotating Probe Inspection of the Fastener Holes

Work Zones and Access Panels			
	Zone	Access/Work location	
	171	Work location	from Frame 65 to Frame 66 Stringer 37LH

Manpower Resources	
Manhours	1.00
Minimum number of person	1
Subtask elapsed time	1.00
Skills	NON DESTRUCTIVE TESTING

References	
Non Destructive Test Manual (NTM)	Task 51-10-01-250-801
Fig. A-SBAAA Replacement of the solid rivets, FR65 to FR66.	<u>Sheet 01</u> <u>Sheet 02</u>

(a) Do a rotating probe inspection on the holes of the removed fasteners, refer to NTM Task 51-10-01-250-801 and refer to Fig. A-SBAAA Sheet 01 and Fig. A-SBAAA Sheet 02.

1 If crack is found, contact AIRBUS.

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2 If no crack is found, do the instructions given in the following paragraph.

(3) Subtask 531272-831-601-001 - Do the Cold Working on the Fastener Holes

Work Zones and Access Panels			
	Zone	Access/Work location	
	171	Work location	from Frame 65 to Frame 66 Stringer 37LH

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

Material necessary to do the job

Consumable CMLC01				
ITEM	DESCRIPTION	REFERENCE TO CML MAT. No.	QTY PER A/C	SEE NOTES
	Non Aqueous Cleaner- General	08BAA9	As required	

Standard tool TOOLC01				
ITEM	TOOL N°	TOOL NAME	QTY	SEE NOTES
	DKA320531272-1	Durable tooling	1	(1)
	EKA320531272-1	Expendable tooling	1	(2)
	FEIA320531272-1	Capital tooling	1	(3)

NOTE (1): Durable tooling: Ref. DK-A320-53-1272-1

The durable tool kit contains the minimum quantity of durable tools necessary to accomplish the Service Bulletin on one aircraft. If the Service Bulletin is to be accomplished on more than one aircraft, the number of durable kits required can be established by reference to SIL 51-012.

NOTE (2): Expendable tooling: Ref. EKA-A320-53-1272-1

The expendable tool kit contains the quantity of expendable tools required to accomplish the Service Bulletin on one aircraft. Order one expendable tool kit for every aircraft on which this Service Bulletin is to be accomplished.

NOTE (3): Capital tooling: Ref. FEIA-A320-53-1272-1

The capital tools provided in this kit are not specific to this Service Bulletin and are normally already available in operators' stock as a long-term investment or can be loaned from FTI.

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References	
Structural Repair Manual (SRM)	51-44-00 51-48-00
Fig. A-SBAAA Replacement of the solid rivets, FR65 to FR66.	<u>Sheet 01</u> <u>Sheet 02</u>

(a) Do the cold expansion on the holes in accordance with SRM 51-48-00 and SRM 51-44-00, class A 4-4-N.

1 Oversize the holes to the starting hole diameter given in Fig. A-SBAAA Sheet 02

Use FTI tool list No.

DKA320531272-1 Durable tooling 1

2 Clean the drilled areas with:

Non Aqueous 08BAA9 As required
Cleaner-General

3 Install sleeves in accordance with SRM 51-48-00.

Use FTI tool list No.

EKA320531272-1 Expendable tooling 1

4 Do the cold expansion of the holes in accordance with SRM 51-48-00.

Use FTI tool list No.

FEIA320531272-1 Capital tooling 1

5 Remove the sleeves.

6 Ream the holes to the final hole diameter given Fig. A-SBAAA Sheet 02

Use FTI tools list No.

DKA320531272-1 Durable tooling 1

(4) Subtask 531272-370-602-001 - Renew the Surface Protection of the Fastener Holes

Work Zones and Access Panels			
	Zone	Access/Work location	
	171	Work location	from Frame 65 to Frame 66 Stringer 37LH

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Manpower Resources	
Manhours	0.25
Minimum number of person	1
Subtask elapsed time	0.25
Skills	NON SPECIFIC

Material necessary to do the job

Consumable CMLC01				
ITEM	DESCRIPTION	REFERENCE TO CML MAT. No.	QTY PER A/C	SEE NOTES
	Non Aqueous Cleaner-General	08BAA9	As required	
	Surface Pretreatment-Light Alloys Chemical Conver	10ABC1	As required	

References	
Structural Repair Manual (SRM)	51-75-12

(a) Clean the drilled areas with:

Non Aqueous Cleaner-General	08BAA9	As required
-----------------------------	--------	-------------

(b) Renew the protective finish of the holes:

Surface Pretreatment-Light Alloys Chemical Conver	10ABC1	As required
---	--------	-------------

(5) Subtask 531272-420-601-001 - Install the new Fasteners after Cold Working

Work Zones and Access Panels			
	Zone	Access/Work location	
	171	Work location	from Frame 65 to Frame 66 Stringer 37LH

Manpower Resources	
Manhours	1.25
Minimum number of person	1
Subtask elapsed time	1.25
Skills	AIRFRAME

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Material necessary to do the job

Kit 531272C01R00				
ITEM	NEW PART N°	QTY (UM)	KEYWORD	SEE NOTES
1	DAN6-6-3	25	PIN	
2	DAN6-6-4	40	PIN	
3	DAN12-6	65	COLLAR	

Consumable CMLC01				
ITEM	DESCRIPTION	REFERENCE TO CML MAT. No.	QTY PER A/C	SEE NOTES
	Polysulfide Sealant-General Purpose Interfay	06AAC1	As required	

References	
Aircraft Maintenance Manual (AMM)	Task 20-21-11-911-001
Structural Repair Manual (SRM)	51-42-00
Fig. A-SBAAA Replacement of the solid rivets, FR65 to FR66.	<u>Sheet 01</u> <u>Sheet 02</u>

- (a) Install the new fasteners in accordance with SRM 51-42-00, refer to AMM Task 20-21-11-911-001 and refer to Fig. A-SBAAA Sheet 02:

25	Pin-Rivet	DAN6-6-3	Item 1
40	Pin-Rivet	DAN6-6-4	Item 2
65	Collar	DAN12-6	Item 3

NOTE: If the length of any fastener specified in this Service Bulletin does not meet installation standards given in SRM Chapter 51, then a fastener of the same specification, or an approved substitute, with a length which meets the installation standards given in SRM Chapter 51 may be used. In addition, washers may be installed for fastener grip length in accordance with SRM Chapter 51.

NOTE: Wet assembly of the fasteners with:

Polysulfide Sealant- General Purpose Interfay	06AAC1	As required
---	--------	-------------

- (6) **Subtask 531272-370-601-001 - Renew the Surface Protection of the Structure in the Modification Area**

Work Zones and Access Panels			
	Zone	Access/Work location	
	171	Work location	from Frame 65 to Frame 66 Stringer 37LH

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Manpower Resources	
Manhours	0.25
Minimum number of person	1
Subtask elapsed time	0.25
Skills	NON SPECIFIC

Material necessary to do the job

Consumable CMLC01				
ITEM	DESCRIPTION	REFERENCE TO CML MAT. No.	QTY PER A/C	SEE NOTES
	Primer Epoxy Paint-Corrosion Inhibiting Structure	04DAB2	As required	
	Top Coat Polyurethane-Grey Internal Structure	04JME4	As required	
	Coating-Flexible Structure	04QAB2	As required	
	Corrosion Preventive Compound-Water Displacing	12ADB1		

References	
Structural Repair Manual (SRM)	51-23-12 51-75-12
Fig. A-SBAAA Replacement of the solid rivets, FR65 to FR66.	<u>Sheet 01</u> <u>Sheet 02</u>

- (a) Renew the protective finish to the outer fuselage side in accordance with SRM 51-75-12:

Primer Epoxy Paint-Corrosion Inhibiting Structure	04DAB2	As required
---	--------	-------------

Top Coat Polyurethane-Grey Internal Structure	04JME4	As required
---	--------	-------------

- (b) Renew the protective finish to the inner fuselage side in accordance with SRM 51-75-12 and SRM 51-23-12:

Primer Epoxy Paint-Corrosion Inhibiting Structure	04DAB2	As required
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Coating-Flexible Structure	04QAB2	As required
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Corrosion 12ADB1 As required
 Preventive
 Compound-Water
 Displacing

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(1) Subtask 531272-020-601-001 - Remove the Fasteners for Cold Working

Work Zones and Access Panels			
	Zone	Access/Work location	
	171	Work location	from Frame 65 to Frame 66

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

Material necessary to do the job

Consumable CMLC01				
ITEM	DESCRIPTION	REFERENCE TO CML MAT. No.	QTY PER A/C	SEE NOTES
	Non Aqueous Cleaner-General	08BAA9	As required	

References	
Aircraft Maintenance Manual (AMM)	Task 20-21-11-911-801
Non Destructive Test Manual (NTM)	Task 51-10-01-250-801
Structural Repair Manual (SRM)	51-42-00 51-44-00 51-48-00 51-75-12
Fig. A-SBAAA Replacement of the solid rivets, FR65 to FR66.	<u>Sheet 01</u> <u>Sheet 02</u>

(a) Remove the fasteners above the door in accordance with SRM 51-42-00 and refer to Fig. A-SBAAA Sheet 01 and Fig. A-SBAAA Sheet 02.

1 Remove:

65	Rivet	Item (1)	Discard
----	-------	----------	---------

(b) Clean the surface with:

Non Aqueous Cleaner-General	08BAA9	As required
-----------------------------	--------	-------------

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(c) Check that the diameter of all the holes of the removed fasteners is less than 4.29 mm (0.168 in).

- 1 If the diameter is not correct, contact AIRBUS.
- 2 If the diameter is correct, do the instructions concerning the rotating probe inspection given in the following paragraph.

(2) Subtask 531272-250-601-001 - Do the Rotating Probe Inspection of the Fastener Holes

Work Zones and Access Panels			
	Zone	Access/Work location	
	171	Work location	from Frame 65 to Frame 66 Stringer 37LH

Manpower Resources	
Manhours	1.00
Minimum number of person	1
Subtask elapsed time	1.00
Skills	NON DESTRUCTIVE TESTING

References	
Non Destructive Test Manual (NTM)	Task 51-10-01-250-801
Fig. A-SBAAA Replacement of the solid rivets, FR65 to FR66.	<u>Sheet 01</u> <u>Sheet 02</u>

(a) Do a rotating probe inspection on the holes of the removed fasteners, refer to NTM Task 51-10-01-250-801 and refer to Fig. A-SBAAA Sheet 01 and Fig. A-SBAAA Sheet 02.

- 1 If crack is found, contact AIRBUS.
- 2 If no crack is found, do the instructions given in the following paragraph.

(3) Subtask 531272-831-601-001 - Do the Cold Working on the Fastener Holes

Work Zones and Access Panels			
	Zone	Access/Work location	
	171	Work location	from Frame 65 to Frame 66 Stringer 37LH

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

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Material necessary to do the job

Consumable CMLC01				
ITEM	DESCRIPTION	REFERENCE TO CML MAT. No.	QTY PER A/C	SEE NOTES
	Non Aqueous Cleaner-General	08BAA9	As required	

Standard tool TOOLC01				
ITEM	TOOL N°	TOOL NAME	QTY	SEE NOTES
	DKA320531272-1	Durable tooling	1	(1)
	EKA320531272-1	Expendable tooling	1	(2)
	FEIA320531272-1	Capital tooling	1	(3)

NOTE (1): Durable tooling: Ref. DK-A320-53-1272-1

The durable tool kit contains the minimum quantity of durable tools necessary to accomplish the Service Bulletin on one aircraft. If the Service Bulletin is to be accomplished on more than one aircraft, the number of durable kits required can be established by reference to SIL 51-012.

NOTE (2): Expendable tooling: Ref. EKA-A320-53-1272-1

The expendable tool kit contains the quantity of expendable tools required to accomplish the Service Bulletin on one aircraft. Order one expendable tool kit for every aircraft on which this Service Bulletin is to be accomplished.

NOTE (3): Capital tooling: Ref. FEIA-A320-53-1272-1

The capital tools provided in this kit are not specific to this Service Bulletin and are normally already available in operators' stock as a long-term investment or can be loaned from FTI.

References	
Structural Repair Manual (SRM)	51-44-00 51-48-00
Fig. A-SBAAA Replacement of the solid rivets, FR65 to FR66.	<u>Sheet 01</u> <u>Sheet 02</u>

(a) Do the cold expansion on the holes in accordance with SRM 51-48-00 and SRM 51-44-00, class A 4-4-N.

1 Oversize the holes to the starting hole diameter given in Fig. A-SBAAA Sheet 02

Use FTI tool list No.

DKA320531272-1 Durable tooling 1

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2 Clean the drilled areas with:

Non Aqueous 08BAA9 As required
Cleaner-General

3 Install sleeves in accordance with SRM 51-48-00.

Use FTI tool list No.

EKA320531272-1 Expendable tooling 1

4 Do the cold expansion of the holes in accordance with SRM 51-48-00.

Use FTI tool list No.

FEIA320531272-1 Capital tooling 1

5 Remove the sleeves.

6 Ream the holes to the final hole diameter given Fig. A-SBAAA Sheet 02

Use FTI tools list No.

DKA320531272-1 Durable tooling 1

(4) Subtask 531272-370-602-001 - Renew the Surface Protection of the Fastener Holes

Work Zones and Access Panels			
	Zone	Access/Work location	
	171	Work location	from Frame 65 to Frame 66 Stringer 37LH

Manpower Resources	
Manhours	0.25
Minimum number of person	1
Subtask elapsed time	0.25
Skills	NON SPECIFIC

Material necessary to do the job

Consumable CMLC01				
ITEM	DESCRIPTION	REFERENCE TO CML MAT. No.	QTY PER A/C	SEE NOTES
	Non Aqueous Cleaner- General	08BAA9	As required	
	Surface Pretreatment-Light Alloys Chemical Conver	10ABC1	As required	

References	
Structural Repair Manual (SRM)	51-75-12

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(a) Clean the drilled areas with:

Non Aqueous Cleaner-General	08BAA9	As required
--------------------------------	--------	-------------

(b) Renew the protective finish of the holes:

Surface Pretreatment-Light Alloys Chemical Conver	10ABC1	As required
--	--------	-------------

(5) Subtask 531272-420-601-001 - Install the new Fasteners after Cold Working

Work Zones and Access Panels			
	Zone	Access/Work location	
	171	Work location	from Frame 65 to Frame 66 Stringer 37LH

Manpower Resources	
Manhours	1.25
Minimum number of person	1
Subtask elapsed time	1.25
Skills	AIRFRAME

Material necessary to do the job

Kit 531272C01R00				
ITEM	NEW PART N°	QTY (UM)	KEYWORD	SEE NOTES
1	DAN6-6-3	25	PIN	
2	DAN6-6-4	40	PIN	
3	DAN12-6	65	COLLAR	

Consumable CMLC01				
ITEM	DESCRIPTION	REFERENCE TO CML MAT. No.	QTY PER A/C	SEE NOTES
	Polysulfide Sealant-General Purpose Interfay	06AAC1	As required	

References	
Aircraft Maintenance Manual (AMM)	Task 20-21-11-911-001
Structural Repair Manual (SRM)	51-42-00
Fig. A-SBAAA Replacement of the solid rivets, FR65 to FR66.	Sheet 01 Sheet 02

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- (a) Install the new fasteners in accordance with SRM 51-42-00, refer to AMM Task 20-21-11-911-001 and refer to Fig. A-SBAAA Sheet 02:

25	Pin-Rivet	DAN6-6-3	Item 1
40	Pin-Rivet	DAN6-6-4	Item 2
65	Collar	DAN12-6	Item 3

NOTE: If the length of any fastener specified in this Service Bulletin does not meet installation standards given in SRM Chapter 51, then a fastener of the same specification, or an approved substitute, with a length which meets the installation standards given in SRM Chapter 51 may be used. In addition, washers may be installed for fastener grip length in accordance with SRM Chapter 51.

NOTE: Wet assembly of the fasteners with:

Polysulfide Sealant- 06AAC1 As required
 General Purpose
 Interfay

(6) Subtask 531272-370-601-001 - Renew the Surface Protection of the Structure in the Modification Area

Work Zones and Access Panels			
	Zone	Access/Work location	
	171	Work location	from Frame 65 to Frame 66 Stringer 37LH

Manpower Resources	
Manhours	0.25
Minimum number of person	1
Subtask elapsed time	0.25
Skills	NON SPECIFIC

Material necessary to do the job

Consumable CMLC01				
ITEM	DESCRIPTION	REFERENCE TO CML MAT. No.	QTY PER A/C	SEE NOTES
	Primer Epoxy Paint- Corrosion Inhibiting Structure	04DAB2	As required	
	Top Coat Polyurethane- Grey Internal Structure	04JME4	As required	
	Coating-Flexible Structure	04QAB2	As required	
	Corrosion Preventive Compound-Water Displacing	12ADB1		

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References	
Structural Repair Manual (SRM)	51-23-12 51-75-12
Fig. A-SBAAA Replacement of the solid rivets, FR65 to FR66.	<u>Sheet 01</u> <u>Sheet 02</u>

- (a) Renew the protective finish to the outer fuselage side in accordance with SRM 51-75-12:

Primer Epoxy Paint- 04DAB2 As required
Corrosion Inhibiting
Structure

Top Coat 04JME4 As required
Polyurethane-Grey
Internal Structure

- (b) Renew the protective finish to the inner fuselage side in accordance with SRM 51-75-12 and SRM 51-23-12:

Primer Epoxy Paint- 04DAB2 As required
Corrosion Inhibiting
Structure

Coating-Flexible 04QAB2 As required
Structure

Corrosion 12ADB1 As required
Preventive
Compound-Water
Displacing

****CONF ALL**

D. TEST

****CONF 001**

None

****CONF 002**

None

****CONF 003**

None

****CONF 004**

None

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****CONF 005**

None

****CONF ALL**

E. CLOSE-UP

****CONF 001**

(1) Subtask 531272-942-601-001 - Close-up

Manpower Resources	
Skills	NON SPECIFIC

References	
Aircraft Maintenance Manual (AMM)	06-41-53, Page Block 001 Task 25-55-12-000-001 Task 25-80-00-400-001 Task 52-30-00-860-002 Task 53-42-17-400-001

- (a) Make sure that the work areas are clean and clear of tools and other items of equipment.
- (b) Install the insulation blankets, refer to AMM Task 25-80-00-400-001.
- (c) Install the floor panel 161EF, refer to AMM 06-41-53, Page Block 001 and refer to AMM Task 53-42-17-400-001.
- (d) Install the partition panel 161DW and, if removed, 162DW, refer to AMM Task 25-55-12-000-001.
- (e) Close the AFT Cargo Compartment Door 826, refer to AMM Task 52-30-00-860-002.
- (f) Remove the access platform.
- (g) Restore the systems and the aircraft to normal operating condition.

****CONF 002**

(1) Subtask 531272-942-601-001 - Close-up

Manpower Resources	
Skills	NON SPECIFIC

References	
Aircraft Maintenance Manual (AMM)	06-41-53, Page Block 001 Task 25-55-12-000-001 Task 25-80-00-400-001 Task 52-30-00-860-002 Task 53-42-17-400-001

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- (a) Make sure that the work areas are clean and clear of tools and other items of equipment.
- (b) Install the insulation blankets, refer to AMM Task 25-80-00-400-001.
- (c) Install the floor panel 161EF, refer to AMM 06-41-53, Page Block 001 and refer to AMM Task 53-42-17-400-001.
- (d) Install the partition panel 161DW and, if removed, 162DW, refer to AMM Task 25-55-12-000-001.
- (e) Close the AFT Cargo Compartment Door 826, refer to AMM Task 52-30-00-860-002.
- (f) Remove the access platform.
- (g) Restore the systems and the aircraft to normal operating condition.

****CONF 003**

(1) Subtask 531272-942-601-001 - Close-up

Manpower Resources	
Skills	NON SPECIFIC

References	
Aircraft Maintenance Manual (AMM)	06-41-53, Page Block 001 Task 25-55-12-000-001 Task 25-80-00-400-001 Task 52-30-00-860-002 Task 53-42-17-400-001

- (a) Make sure that the work areas are clean and clear of tools and other items of equipment.
- (b) Install the insulation blankets, refer to AMM Task 25-80-00-400-001.
- (c) Install the floor panel 161EF, refer to AMM 06-41-53, Page Block 001 and refer to AMM Task 53-42-17-400-001.
- (d) Install the partition panel 161DW and, if removed, 162DW, refer to AMM Task 25-55-12-000-001.
- (e) Close the AFT Cargo Compartment Door 826, refer to AMM Task 52-30-00-860-002.
- (f) Remove the access platform.
- (g) Restore the systems and the aircraft to normal operating condition.

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****CONF 004**

(1) Subtask 531272-942-601-001 - Close-up

Manpower Resources	
Skills	NON SPECIFIC

References	
Aircraft Maintenance Manual (AMM)	06-41-53, Page Block 001 Task 25-55-12-000-001 Task 25-80-00-400-001 Task 52-30-00-860-002 Task 53-42-17-400-001

- (a) Make sure that the work areas are clean and clear of tools and other items of equipment.
- (b) Install the insulation blankets, refer to AMM Task 25-80-00-400-001.
- (c) Install the floor panel 161EF, refer to AMM 06-41-53, Page Block 001 and refer to AMM Task 53-42-17-400-001.
- (d) Install the partition panel 161DW and, if removed, 162DW, refer to AMM Task 25-55-12-000-001.
- (e) Close the AFT Cargo Compartment Door 826, refer to AMM Task 52-30-00-860-002.
- (f) Remove the access platform.
- (g) Restore the systems and the aircraft to normal operating condition.

****CONF 005**

(1) Subtask 531272-942-601-001 - Close-up

Manpower Resources	
Skills	NON SPECIFIC

References	
Aircraft Maintenance Manual (AMM)	06-41-53, Page Block 001 Task 25-55-12-000-001 Task 25-80-00-400-001 Task 52-30-00-860-002 Task 53-42-17-400-001

- (a) Make sure that the work areas are clean and clear of tools and other items of equipment.
- (b) Install the insulation blankets, refer to AMM Task 25-80-00-400-001.
- (c) Install the floor panel 161EF, refer to AMM 06-41-53, Page Block 001 and refer to AMM Task 53-42-17-400-001.

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- (d) Install the partition panel 161DW and, if removed, 162DW, refer to AMM Task 25-55-12-000-001.
- (e) Close the AFT Cargo Compartment Door 826, refer to AMM Task 52-30-00-860-002.
- (f) Remove the access platform.
- (g) Restore the systems and the aircraft to normal operating condition.

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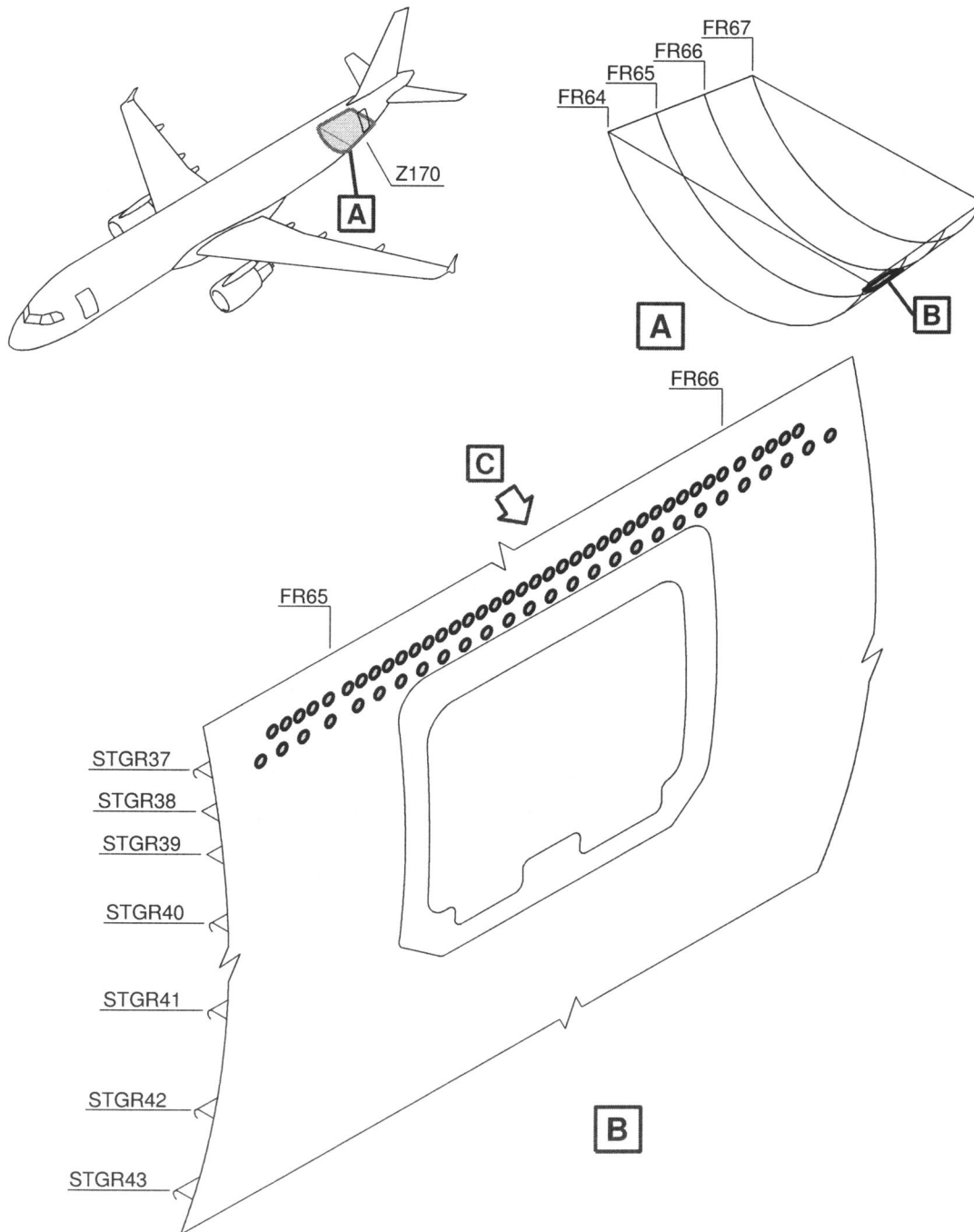
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**CONF ALL



N_SB_531272_0_BAAA_01_02

Figure A-SBAAA - Sheet 01
Replacement of the solid rivets, FR65 to FR66.

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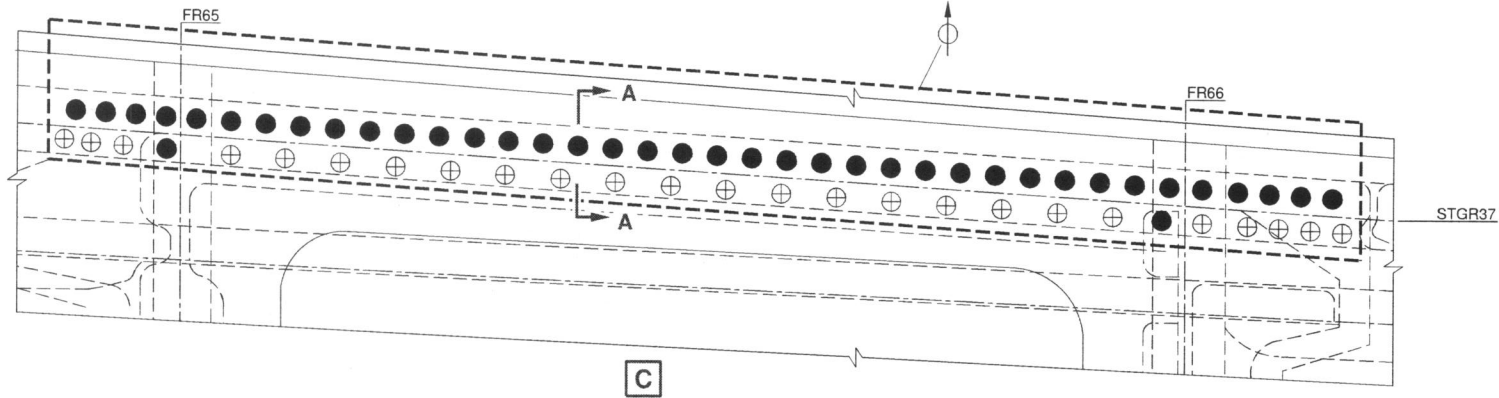
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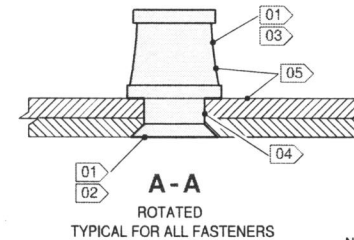


HOLE SYMBOLE	OLD ITEM	NEW ITEM	DESCRIPTION	PN	STARTING HOLE DIAMETER		STDN	FINAL HOLE DIAMETER		REMARKS	NOTE
					MIN	MAX		MIN	MAX		
●	(1)	2	PIN	DAN6-6-4	4.29 mm (0.169 in)	4.34 mm (0.171 in)	4-4-N	4.738 mm (0.187 in)	4.778 mm (0.188 in)	INTERFERENCE FIT	04
		3	COLLAR	DAN12-6							
⊕	(1)	1	PIN	DAN6-6-3	4.29 mm (0.169 in)	4.34 mm (0.171 in)	4-4-N	4.738 mm (0.187 in)	4.778 mm (0.188 in)	INTERFERENCE FIT	04
		3	COLLAR	DAN12-6							

NOTE:

- 01 APPLY MATERIAL No 04DAB2
- 02 APPLY MATERIAL No 04JME4
- 03 APPLY MATERIAL No 04QAB2
- 04 WET INSTALL HI-LOCK RIVETS WITH 06AAC1
- 05 APPLY MATERIAL No 12ADB1

↑ POSITION OF SPLIT IN EXPANSION SLEEVE DURING COLD EXPANSION.



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SERVICE BULLETIN REPORTING SHEET

**TITLE: FUSELAGE - REAR FUSELAGE - APPLY COLD WORKING AND
REPLACE RIVETS IN THE POTABLE WATER SERVICE PANEL AREA
AT S18**

MODIFICATION No.: 153074G0791

Please complete the appropriate item (A or B):

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

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

B - SB HAS BEEN embodied on aircraft:

Operator comments:

From Airline:

Name/Title:

Signature:

Date:

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

Either: Modification Operational Impact (MOI), if available

YES/NO

Or : Intermediate revision

YES/NO

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

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

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

Please return this completed sheet to:

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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.

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SERVICE BULLETIN QUALITY PERCEPTION FORM

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

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

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

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

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

Planning	Material	Instructions
<input checked="" type="checkbox"/> Effectivity	<input checked="" type="checkbox"/> Kit content	<input checked="" type="checkbox"/> Preparation
<input checked="" type="checkbox"/> Reason	<input checked="" type="checkbox"/> List of Materials Operator Supplied	<input checked="" type="checkbox"/> Mod/Inspection
<input checked="" type="checkbox"/> Manpower	<input checked="" type="checkbox"/> Industry support	<input checked="" type="checkbox"/> Test
<input checked="" type="checkbox"/> References	<input checked="" type="checkbox"/> Re-identification	<input checked="" type="checkbox"/> Close-Up
<input checked="" type="checkbox"/> Publication	<input checked="" type="checkbox"/> Tooling	<input checked="" type="checkbox"/> Illustrations

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