@ Ac18/Ac16/Ac20/Ac21

SERVICE BULLETIN

SUMMARY

AIRBUS

CUSTOMER SERVICES DIRECTORATE

1 Rond Point Maurice Bellonte

31707 BLAGNAC CEDEX FRANCE

Tel : (33) 5 61 93 33 33

Telex : AIRBU 530526F

Fax : (33) 5 61 93 42 51

This summary is for information only

and is not approved for modification of the aircraft

ATA SYSTEM : 21

TITLE : AIR CONDITIONING - PACK TEMPERATURE CONTROL - INSTALL AIR CONDITIONING

CONTROLLER P/N 1803B0000-02

MODIFICATION No . : 35863K10463

REASON/DESCRIPTION/OPERATIONAL CONSEQUENCES

This Service Bulletin has been issued to inform the operators of the issue of

the

— LIEBHERR AEROSPACE Service Bulletin No .1803B-21-01, which introduces Air

Conditioning System Controller (ACSC) P/N 1803B0000-02 . As a product

improvement the ACSC (47HH and 57HH) will be modified by a software .

This Service Bulletin details the removal, modification and the installation of

the Air Conditioning System Controller (ACSC) (47HH and 57HH) .

ACSC P/N 1803B0000-02 has been developped in order to bring the following

improvements:

— New Feature on the CFDS System Data Page,

— Modification of CDS Limitation control,

— Upgrade of the Cabin Mixer Temperature,

— A/C ICD interface,

— Correction of major finding for HW/SW integration test,

— Upgrade of the RAIA calibration,

— Modification of Trim Air Pressure Regulation Valve (TAPRV) monitor,

— APU demand initalisation optimized,

— Optimisation of System Test,

— Correction of ATA Reference of LH Mixer Temperature Sensor .

6 DATE : Apr 24/06

REVISION No . : 00 —

SERVICE BULLETIN No . : A320— 21— 1160

Page : 1 of 3

Printed in FRANCE © AIRBUS, 2006 All rights reserved

@ Ac18/Ac16/Ac20/Ac21

SERVICE BULLETIN

SUMMARY

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

|  |  |
| --- | --- |
| MODIFICATION CLASSIFICATION | |
| MAJOR | None |
| MINOR | 35863K10463 |

EFFECTIVITY

This Service Bulletin is applicable

24X 32Y 60X 78Y 80X 83Y 89Y ABY AFR

C9G CEB CES CHH CJG CLA CSA CSC CSN

I2L IAC IBE IWD JBU JKK JSA JST JZR

SFJ SLK TAI TAM TGW THY TWJ VIM VLG

CONCURRENT REQUIREMENTS

None

REFERENCES/REPERCUSSIONS

to this (these) operator(s) :

AHY AMC ANZ AUA AWE AXM BAW BER BKP BMA BTV

CSZ CXN DKN DRK DXH EIN EZY FFT FOM GBL GWI

KFR LAJ LAN MXA NKS NLY NWA OGE RAM RJA SAA

WZZ

TFU

OEB

AOT

SIL

LIFE LIMIT

: None

: None

: None

: None

: None

LINE MAINTENANCE AFFECTED : None

OTHERS : None

NATURE OF THE WORK

Config . 01

AIRCRAFT : No

EQUIPMENT : No

HARD : No

SOFT : No

DATE : Apr 24/06 SERVICE BULLETIN No . : A320— 21— 1160

REVISION No . : 00 — Page : 2

Printed in FRANCE © AIRBUS, 2006 All rights reserved

@ Ac18/Ac16/Ac20/Ac21

SERVICE BULLETIN

SUMMARY

OBRM : No

MANPOWER

Config . 01

TOTAL MANHOURS

2 . 50

2 . 50

ELAPSED TIME (HOURS)

MATERIAL INFORMATION

AIRCRAFT DATA

None

APPENDICES

None

DATE : Apr 24/06 SERVICE BULLETIN No . : A320— 21— 1160

REVISION No . : 00 — Page : 3

Printed in FRANCE © AIRBUS, 2006 All rights reserved

@ Ac18/Ac16/Ac20/Ac21

SERVICE BULLETIN

AIRBUS

CUSTOMER SERVICES DIRECTORATE

1 Rond Point Maurice Bellonte

31707 BLAGNAC CEDEX FRANCE

Tel : (33) 5 61 93 33 33

Telex : AIRBU 530526F

Fax : (33) 5 61 93 42 51

ATA SYSTEM : 21

TITLE : AIR CONDITIONING - PACK TEMPERATURE CONTROL - INSTALL AIR CONDITIONING

CONTROLLER P/N 1803B0000-02

MODIFICATION No . : 35863K10463

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

1. PLANNING INFORMATION

A . EFFECTIVITY

(1) Models

318-111 319-111 319-112 319-114 319-115 319-131 319-132 319-133

320-214 320-232 320-233 321-211 321-212 321-231

(2) Aircraft

(a) Effectivity by MSN

This Service Bulletin is applicable to aircraft MSN :

1660 1939 1991 2017 2035 2037 2043 2050 2051 2053 2059 2062

2071 2081 2100 2109 2119 2120 2129 2170 2176 2181 2184 2196

2213 2214 2218 2224 2228 2230 2245 2249 2251 2265 2268 2271

2276 2277 2279 2281 2283 2289 2292 2296 2299 2300 2306 2308

2317 2319 2322 2326 2328 2329 2333 2335 2338 2344 2346 2350

2353-2355 2358 2360-2362 2366 2367 2370 2375-2380 2383 2385

2387 2392 2394-2396 2398 2400-2402 2404 2406 2412-2414

2417-2420 2423 2424 2427 2431 2433 2434 2436 2438-2444 2446

2448 2450 2452 2453 2455-2457 2460 2463 2465 2467-2471 2473

2475-2477 2481 2483-2485 2487 2490 2492 2495-2497 2501-2503

2506 2509 2511-2520 2522-2524 2526-2529 2531 2533 2535-2699

2701 2703-2706 2708 2710-2714 2716-2721 2723-2726 2728-2750

2752-2762 2764-2772 2774-2798 2800 2802 2804 2807 2810

6 DATE : Apr 24/06

REVISION No . : 00 —

SERVICE BULLETIN No . : A320— 21— 1160

Page : 1 of 12

Printed in FRANCE © AIRBUS, 2006 All rights reserved

@ Ac18/Ac16/Ac20/Ac21

SERVICE BULLETIN

(b) Effectivity by Operator

The Operator/MSN relationship is provided for information only

and is correct at the time of issue in accordance with the

information available to AIRBUS . Any future 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  24X | MSN  2566 |  |  |  |  |  |  |  |
| 32Y | 2771 | 2780 |  |  |  |  |  |  |
| 60X | 2675 | 2706 |  |  |  |  |  |  |
| 78Y | 2616 | 2674 | 2740 | 2778 | 2800 |  |  |  |
| 80X | 2748 |  |  |  |  |  |  |  |
| 83Y | 2440 |  |  |  |  |  |  |  |
| 89Y | 2658 | 2695 |  |  |  |  |  |  |
| ABY | 2712 | 2764 |  |  |  |  |  |  |
| AFR | 2035 | 2059 | 2071 | 2081 | 2100 | 2109 | 2213 | 2228 2279 2317 |
|  | 2344 | 2350 | 2456 | 2582 | 2601 | 2686 | 2705 | 2716 2721 2750 |
| AHY | 2487 | 2516 | 2588 | 2788 |  |  |  |  |
| AMC | 2665 | 2768 |  |  |  |  |  |  |
| ANZ | 2663 |  |  |  |  |  |  |  |
| AUA | 2547 | 2652 |  |  |  |  |  |  |
| AWE | 2570 | 2595 | 2613 | 2615 | 2630 | 2669 | 2690 |  |
| AXM | 2612 | 2633 | 2656 | 2683 | 2699 | 2760 |  |  |
| BAW | 2536 |  |  |  |  |  |  |  |
| BER | 2539 | 2619 | 2654 | 2685 | 2696 |  |  |  |
| BKP | 2509 |  |  |  |  |  |  |  |
| BMA | 2694 | 2697 | 2720 |  |  |  |  |  |
| BTV | 2648 | 2660 |  |  |  |  |  |  |
| C9G | 2277 | 2296 | 2335 | 2362 |  |  |  |  |
| CEB | 2419 | 2439 | 2556 | 2586 | 2625 | 2638 | 2786 | 2790 |
| CES | 2543 | 2549 | 2562 | 2591 | 2606 | 2627 | 2693 | 2757 |
| CHH | 2557 | 2561 | 2581 | 2611 | 2617 | 2644 | 2733 | 2746 |
| CJG | 2559 | 2614 | 2643 |  |  |  |  |  |
| CLA | 2592 |  |  |  |  |  |  |  |
| CSA | 2719 | 2758 | 2789 |  |  |  |  |  |
| CSC | 2597 | 2639 |  |  |  |  |  |  |
| CSN | 2354 | 2361 | 2484 | 2506 | 2511 | 2519 | 2541 | 2546 2554 2555 |
|  | 2558 | 2574 | 2579 | 2637 | 2667 | 2680 | 2689 | 2701 2708 2713 |
|  | 2714 | 2741 | 2743 | 2759 | 2767 | 2770 | 2772 | 2796 |

DATE : Apr 24/06 SERVICE BULLETIN No . : A320— 21— 1160

REVISION No . : 00 — Page : 2

Printed in FRANCE © AIRBUS, 2006 All rights reserved

@ Ac18/Ac16/Ac20/Ac21

SERVICE BULLETIN

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| OPERATOR | MSN |  |  |  |  |  |  |  |  |  |
| CSZ | 2672 | 2684 |  |  |  |  |  |  |  |  |
| CXN | 2545 | 2551 |  |  |  |  |  |  |  |  |
| DKN | 2366 | 2376 | 2524 | 2564 | 2645 | 2676 | 2731 | 2747 | 2753 |  |
| DRK | 2306 | 2346 |  |  |  |  |  |  |  |  |
| DXH | 2762 | 2774 |  |  |  |  |  |  |  |  |
| EIN | 2542 | 2583 | 2635 | 2810 |  |  |  |  |  |  |
| EZY | 2037 | 2043 | 2050 | 2053 | 2062 | 2119 | 2120 | 2129 | 2170 | 2176 |
|  | 2181 | 2184 | 2196 | 2214 | 2224 | 2230 | 2245 | 2249 | 2251 | 2265 |
|  | 2271 | 2283 | 2289 | 2300 | 2319 | 2353 | 2360 | 2370 | 2378 | 2380 |
|  | 2385 | 2387 | 2398 | 2402 | 2412 | 2420 | 2427 | 2436 | 2442 | 2446 |
|  | 2450 | 2460 | 2463 | 2471 | 2477 | 2481 | 2492 | 2495 | 2503 | 2512 |
|  | 2514 | 2527 | 2528 | 2538 | 2548 | 2565 | 2578 | 2605 | 2636 | 2646 |
|  | 2677  2777 | 2681  2779 | 2691  2782 | 2729  2795 | 2735 | 2742 | 2744 | 2754 | 2765 | 2769 |
| FFT | 1660 | 1939 | 1991 | 2017 | 2051 | 2218 | 2276 | 2392 | 2400 | 2406 |
|  | 2448 | 2465 | 2483 | 2497 | 2518 |  |  |  |  |  |
| FOM | 2533 | 2594 |  |  |  |  |  |  |  |  |
| GBL | 2682 |  |  |  |  |  |  |  |  |  |
| GWI | 2607 | 2628 | 2632 |  |  |  |  |  |  |  |
| I2L | 2383 | 2396 | 2404 | 2414 | 2431 | 2452 | 2467 | 2468 |  |  |
| IAC | 2593 | 2624 | 2629 |  |  |  |  |  |  |  |
| IBE | 2563 | 2599 | 2736 | 2756 | 2776 | 2807 |  |  |  |  |
| IWD | 2745 |  |  |  |  |  |  |  |  |  |
| JBU | 2520  2781 | 2535  2802 | 2577 | 2580 | 2640 | 2647 | 2671 | 2710 | 2725 | 2755 |
| JKK | 2589 |  |  |  |  |  |  |  |  |  |
| JSA | 2395 | 2401 | 2604 |  |  |  |  |  |  |  |
| JST | 2292 | 2299 | 2322 | 2329 | 2338 | 2455 | 2475 | 2515 | 2526 | 2537 |
|  | 2573 | 2587 | 2600 | 2608 | 2642 | 2651 | 2703 | 2717 | 2766 | 2787 |
| JZR | 2569 | 2584 | 2792 |  |  |  |  |  |  |  |
| KFR | 2413  2664 | 2443  2670 | 2496 | 2502 | 2522 | 2531 | 2576 | 2621 | 2634 | 2650 |
| LAJ | 2441 | 2653 |  |  |  |  |  |  |  |  |
| LAN | 2572 | 2585 |  |  |  |  |  |  |  |  |
| MXA | 2328  2662 | 2333 | 2358 | 2367 | 2377 | 2394 | 2523 | 2544 | 2552 | 2575 |
| NKS | 2424 | 2433 | 2470 | 2473 | 2476 | 2485 | 2490 | 2560 | 2567 | 2590 |
|  | 2603  2784 | 2622  2797 | 2659 | 2673 | 2679 | 2698 | 2704 | 2711 | 2718 | 2723 |
| NLY | 2529 | 2668 | 2749 |  |  |  |  |  |  |  |
| NWA | 2618 | 2641 |  |  |  |  |  |  |  |  |

DATE : Apr 24/06 SERVICE BULLETIN No . : A320— 21— 1160

REVISION No . : 00 — Page : 3

Printed in FRANCE © AIRBUS, 2006 All rights reserved

@ Ac18/Ac16/Ac20/Ac21

SERVICE BULLETIN

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| OPERATOR | MSN |  |  |  |
| OGE | 2423 | 2453 | 2457 2631 | 2655 2738 2739 |
| RAM | 2726 |  |  |  |
| RJA | 2598 | 2649 | 2692 2730 | 2793 |
| SAA | 2268  2501 | 2281 | 2308 2326 | 2355 2375 2379 2418 2438 2469 |
| SFJ | 2620 |  |  |  |
| SLK | 2517 | 2568 | 2775 |  |
| TAI | 2434 | 2444 | 2553 2610 | 2657 2666 2687 2791 |
| TAM | 2417 | 2513 | 2602 2661 | 2734 2737 2783 |
| TGW | 2724 | 2728 |  |  |
| THY | 2609 | 2626 |  |  |
| TWJ | 2550 |  |  |  |
| VIM | 2732 | 2804 |  |  |
| VLG | 2540 | 2596 | 2623 2678 | 2761 2785 2794 2798 |
| WZZ | 2571 | 2688 | 2752 |  |

(c) Effectivity by MSN and Kit/Configuration

The kits and configurations applicable to these MSNs are given

at the end of this list:

1660 1939 1991 2017 2035 2037 2043 2050-2051 2053 2059 2062

2071 2081 2100 2109 2119-2120 2129 2170 2176 2181 2184 2196

2213-2214 2218 2224 2228 2230 2245 2249 2251 2265 2268 2271

2276-2277 2279 2281 2283 2289 2292 2296 2299-2300 2306 2308

2317 2319 2322 2326 2328-2329 2333 2335 2338 2344 2346 2350

2353-2355 2358 2360-2362 2366-2367 2370 2375-2380 2383 2385

2387 2392 2394-2396 2398 2400-2402 2404 2406 2412-2414

2417-2420 2423-2424 2427 2431 2433-2434 2436 2438-2444 2446

2448 2450 2452-2453 2455-2457 2460 2463 2465 2467-2471 2473

2475-2477 2481 2483-2485 2487 2490 2492 2495-2497 2501-2503

2506 2509 2511-2520 2522-2524 2526-2529 2531 2533 2535-2699

2701 2703-2706 2708 2710-2714 2716-2721 2723-2726 2728-2750

2752-2762 2764-2772 2774-2798 2800 2802 2804 2807 2810

KIT No . QTY PER A/C CONFIGURATION

01

(3) Spares

Refer to LIEBHERR AEROSPACE Service Bulletin No .1803B-21-01

B . CONCURRENT REQUIREMENTS

None

DATE : Apr 24/06 SERVICE BULLETIN No . : A320— 21— 1160

REVISION No . : 00 — Page : 4

Printed in FRANCE © AIRBUS, 2006 All rights reserved

@ Ac18/Ac16/Ac20/Ac21

SERVICE BULLETIN

C . REASON

(1) History

This Service Bulletin has been issued to inform the operators of

the issue of the

— LIEBHERR AEROSPACE Service Bulletin No .1803B-21-01, which

introduces Air Conditioning System Controller (ACSC) P/N

1803B0000-02 . As a product improvement the ACSC (47HH and 57HH)

will be modified by a software .

(2) Objective/Action

This Service Bulletin details the removal, modification and the

installation of the Air Conditioning System Controller (ACSC) (47HH

and 57HH) .

(3) Advantages

ACSC P/N 1803B0000-02 has been developped in order to bring the

following improvements:

— New Feature on the CFDS System Data Page,

— Modification of CDS Limitation control,

— Upgrade of the Cabin Mixer Temperature,

— A/C ICD interface,

— Correction of major finding for HW/SW integration test,

— Upgrade of the RAIA calibration,

— Modification of Trim Air Pressure Regulation Valve (TAPRV)

monitor,

— APU demand initalisation optimized,

— Optimisation of System Test,

— Correction of ATA Reference of LH Mixer Temperature Sensor .

(4) Operational/Maintenance Consequences

None

D . DESCRIPTION

To accomplish this Service Bulletin it is necessary to :

(1) Config . 01

DATE : Apr 24/06 SERVICE BULLETIN No . : A320— 21— 1160

REVISION No . : 00 — Page : 5

Printed in FRANCE © AIRBUS, 2006 All rights reserved

@ Ac18/Ac16/Ac20/Ac21

SERVICE BULLETIN

(a) Modify the Air Conditioning System Controllers (47HH and

57HH) .

E . COMPLIANCE

(1) Classification

Desirable

(2) Accomplishment Timescale

In accordance with operators maintenance schedule .

F . APPROVAL

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

If an aircraft listed in the effectivity has a modification or repair

embodied that is not of AIRBUS origin, and which affects the content of

this Service Bulletin, the operator is responsible for obtaining

approval by its airworthiness authority for any adaptation necessary

before incorporation of the Service Bulletin .

G . MANPOWER

The manpower estimates given in this Service Bulletin are based on the

direct labor cost to do the work . These estimates assume that the work

will be done by experienced personnel, and may need to be revised

upwards to suit operator's circumstances . The estimates do not include

the time to prepare, plan or inspect the work . Manufacture and

procurement of parts and tools, drying times for paints, sealants, etc,

and general administration work are also not included .

Config . 01

Get Access

Modification

Test

Close-up

TOTAL MANHOURS

ELAPSED TIME (HOURS)

H . WEIGHT AND BALANCE

None

I . ELECTRICAL LOAD DATA

None

0 . 50

0 . 50

1 .00

0 . 50

2 . 50

2 . 50

DATE : Apr 24/06 SERVICE BULLETIN No . : A320— 21— 1160

REVISION No . : 00 — Page : 6

Printed in FRANCE © AIRBUS, 2006 All rights reserved

@ Ac18/Ac16/Ac20/Ac21

SERVICE BULLETIN

J . REFERENCES

Aircraft Maintenance Manual (AMM)

K . PUBLICATIONS AFFECTED

None

L . INTERCHANGEABILITY/MIXABILITY

: 06-41- 51 12-24-34 20- 55-00

21-61-00 21-61-34 24-42-00

DESCRIPTION

OLD

PART No .

NEW

PART

No .

INT MIXABILITY

Air Conditioning 1803B0000-01 1803B0000-02 02 allowed

System Controller

NOTE (01) For definitions of interchangeability codes in column INT .

refer to Common Support Data Dictionary (CSDD), Chapter 2.

NOTE (02) In case of mixability, install the new ACSC P/N 1803B0000-02

on RH position 957HH9, in order to use advantages of the new

feature - CFDS System Data page .

NOTE (03) Refer to the LIEBHERR AEROSPACE Service Bulletin No .

1803B-21-01 .

DATE : Apr 24/06 SERVICE BULLETIN No . : A320— 21— 1160

REVISION No . : 00 — Page : 7

Printed in FRANCE © AIRBUS, 2006 All rights reserved

@ Ac18/Ac16/Ac20/Ac21

SERVICE BULLETIN

This Page Intentionally Left Blank

DATE : Apr 24/06 SERVICE BULLETIN No . : A320— 21— 1160

REVISION No . : 00 — Page : 8

Printed in FRANCE © AIRBUS, 2006 All rights reserved

@ Ac18/Ac16/Ac20/Ac21

SERVICE BULLETIN

2. MATERIAL INFORMATION

A . MATERIAL — PRICE AND AVAILABILITY

(1) Material

Modification of removal equipment should be negotiated directly

with:

LIEBHERR-AEROSPACE LINDENBERG GmbH

Customer Service

P .O . Box 1363

Phone: +49(0)8381 46 4304, fax:+49(0)8381 46 4103

D-88153 Lindenberg GERMANY

as per instruction given in LIEBHERR AEROSPACE Service Bulletin No .

1803B-21-01 .

(2) Price and Availability

Refer to the LIEBHERR AEROSPACE Service Bulletin No . 1803B-21-01

for the equipment modification sales terms .

B . INDUSTRY SUPPORT INFORMATION

Refer to the LIEBHERR AEROSPACE Service Bulletin No . 1803B-21-01 for the industry support terms .

C . LIST OF COMPONENTS

Refer to LIEBHERR AEROSPACE Service Bulletin 1803B-21-01 .

D . LIST OF MATERIALS — OPERATOR SUPPLIED

(1) Consumable Materials

None

(2) Components

None

E . PARTS TO BE RE— IDENTIFIED BY THE OPERATOR

None

F . TOOLING — PRICE AND AVAILABILITY

None

G . SPECIAL TOOLS

None

DATE : Apr 24/06 SERVICE BULLETIN No . : A320— 21— 1160

REVISION No . : 00 — Page : 9

Printed in FRANCE © AIRBUS, 2006 All rights reserved

@ Ac18/Ac16/Ac20/Ac21

SERVICE BULLETIN

This Page Intentionally Left Blank

DATE : Apr 24/06 SERVICE BULLETIN No . : A320— 21— 1160

REVISION No . : 00 — Page : 10

Printed in FRANCE © AIRBUS, 2006 All rights reserved

@ Ac18/Ac16/Ac20/Ac21

SERVICE BULLETIN

3. ACCOMPLISHMENT INSTRUCTIONS

A . GENERAL

WARNING : MAKE SURE THAT YOU OBEY ALL THE WARNINGS AND THE CAUTIONS

INCLUDED IN THE REFERENCED PROCEDURES .

CAUTION : ALWAYS OBEY THE PRECAUTIONS THAT FOLLOW TO KEEP ELECTRICAL WIRING IN A SATISFACTORY CONDITION (ELECTRICALLY AND MECHANICALLY SERVICEABLE) . WHEN YOU DO MAINTENANCE WORK, REPAIRS OR MODIFICATIONS, ALWAYS KEEP ELECTRICAL WIRING, COMPONENTS AND THE WORK AREA AS CLEAN AS POSSIBLE . TO DO THIS: - PUT PROTECTION, SUCH AS PLASTIC SHEETING, CLOTHS, ETC . AS NECESSARY ON WIRING AND COMPONENTS . REGULARLY REMOVE ALL SHAVINGS, UNWANTED MATERIAL AND OTHER CONTAMINATION . THESE PRECAUTIONS WILL DECREASE THE RISK OF CONTAMINATION AND DAMAGE TO THE ELECTRICAL WIRING INSTALLATION . IF THERE IS CONTAMINATION, REFER TO ESPM 20- 55-00 .

(1) Preparation

(a) Make sure that the aircraft is electrically grounded, refer to

AMM 12-24- 34 Page block 201.

(b) Energize the ground service network, refer to AMM 24-42-00

Page block 201.

(c) Put the access platform in position at the access door 811.

(d) Open the access door 811.

(e) Open, and safety and tag related circuit breaker(s), refer to

AMM 21-61- 34 Page block 401.

(2) Standard Practices

(a) For identification of access panels, refer to AMM 06-41- 51

Page block 201.

(b) Make sure the electrical connector are serviceable before

connection .

(c) Put blanking cap on all disconnected connectors .

B . MODIFICATION

(1) Config . 01

NOTE : For the modification of the ACSC FIN 47HH and FIN 57HH,

operators are requested to send ACSC PN 1803B0000-01 to

LIEBHERR AEROSPACE, as per instruction as given in the

LIEBHERR AEROSPACE Service Bulletin No . 1803B-21-01 .

(a) Modify the Air Conditioning System Controllers (47HH and

57HH) .

DATE : Apr 24/06 SERVICE BULLETIN No . : A320— 21— 1160

REVISION No . : 00 — Page : 11

Printed in FRANCE © AIRBUS, 2006 All rights reserved

@ Ac18/Ac16/Ac20/Ac21

SERVICE BULLETIN

Refer to AMM 21-61-34 .

1 In the Avionics Compartment, remove

2 ACSC 1803B0000-01

refer to,AMM 21-61-34 Page block 401.

2 In the Avionics Compartment, install

2 ACSC 1803B0000-02

refer to, AMM 21-61-34 Page block 401.

C . TEST

(1) Config . 01

(a) Remove all safety clip(s) and tag(s) and close the related

circuit breaker(s), refer to AMM 21-61- 34 Page block 401.

(b) Do an operational test of the pack temperature control, refer

to AMM 21-61-00 Page block 501.

D . CLOSE UP

(1) Config . 01

(a) Make sure that the work area is clean and clear of tools and

other items .

(b) Close the access door 811.

(c) Remove the access platform(s) .

(d) De energize the ground service network, refer to AMM 24-42-00

Page block 201.

E . DOCUMENTATION

Write in the applicable aircraft records that you have done all the work

given in the Service Bulletin .

DATE : Apr 24/06 SERVICE BULLETIN No . : A320— 21— 1160

REVISION No . : 00 — Page : 12

Printed in FRANCE © AIRBUS, 2006 All rights reserved

@ Ac18/Ac16/Ac20/Ac21

SERVICE BULLETIN

REPORTING SHEET

TITLE : AIR CONDITIONING - PACK TEMPERATURE CONTROL - INSTALL AIR CONDITIONING

CONTROLLER P/N 1803B0000-02

MODIFICATION No . : 35863K10463

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:

Either: Modification Operational Impact (MOI), if available . . YES/NO

Or : Intermediate revision . . . . . . . . . . . . . . . . . YES/NO

Important Information: This SB will only be incorporated in your maintenance and

operational documentation if this sheet is returned to Airbus and signed by a

duly authorised representative . With the next feasible revision, this will

result in

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

- updating of maintenance and operational documentation to show post SB data

after embodiment .

If this SB requires previous or simultaneous accomplishment of other SBs,

Airbus shall automatically include them in the manual revisions . Refer to SIL

00-037 for detailed information .

Please return this completed sheet to:

AIRBUS

CUSTOMER SERVICES DIRECTORATE

1 Rond Point Maurice Bellonte

31707 BLAGNAC CEDEX FRANCE

Attn: SDC32 Technical Data and Documentation Services

FAX: (+33) 5 61 93 28 06

e -mail: sb . reporting@airbus .com

or via your Resident Customer Support Office .

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

6 DATE : Apr 24/06

REVISION No . : 00 —

SERVICE BULLETIN No . : A320— 21— 1160

Page : 1 of 1

Printed in FRANCE © AIRBUS, 2006 All rights reserved

@ Ac18/Ac16/Ac20/Ac21

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

X Effectivity

X Reason

X Manpower

X References

X Publication

Comments :

Material

X Kit content

X List of Materials

Operator Supplied

X Re-identification

X Tooling

Instructions

X Preparation

X Mod/Inspection

X Test

X Close-Up

X Illustrations

Operator :

Date:

Name/Title :

Please return this form to :

AIRBUS

CUSTOMER SERVICES DIRECTORATE

1 Rond Point Maurice Bellonte

31707 BLAGNAC

Attn : SEM4 Service Bulletins Management

FAX : (33) 5 61 93 42 51

Or via your Resident Customer Support Office .

6 DATE : Apr 24/06

REVISION No . : 00 —

SERVICE BULLETIN No . : A320— 21— 1160

Page : 1 of 1

Printed in FRANCE © AIRBUS, 2006 All rights reserved