



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 developed 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 initialisation optimized,
- Optimisation of System Test,
- Correction of ATA Reference of LH Mixer Temperature Sensor.

6 DATE : Apr 24/06

SERVICE BULLETIN No. : A320-21-1160

REVISION No. : 00 -

Page : 1 of 3



# A318/A319/A320/A321

## 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 to this (these) operator(s) :

24X 32Y 60X 78Y 80X 83Y 89Y ABY AFR AHY AMC ANZ AUA AWE AXM BAW BER BKP BMA BTV  
C9G CEB CES CHH CJG CLA CSA CSC CSN CSZ CXN DKN DRK DXH EIN EZY FFT FOM GBL GWI  
I2L IAC IBE IWD JBU JKK JSA JST JZR KFR LAJ LAN MXA NKS NLY NWA OGE RAM RJA SAA  
SFJ SLK TAI TAM TGW THY TWJ VIM VLG WZZ

### CONCURRENT REQUIREMENTS

None

### REFERENCES/REPERCUSSIONS

TFU	: None
OEB	: None
AOT	: None
SIL	: None
LIFE LIMIT	: 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



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

## SERVICE BULLETIN SUMMARY

OBRM : No

### MANPOWER

Config. 01

TOTAL MANHOURS	2.50
----------------	------

ELAPSED TIME (HOURS)	2.50
----------------------	------

### MATERIAL INFORMATION

AIRCRAFT DATA

None

### APPENDICES

None

DATE : Apr 24/06

SERVICE BULLETIN No. : A320-21-1160

REVISION No. : 00 –

Page : 3



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

SERVICE BULLETIN No. : A320-21-1160

REVISION No. : 00 -

Page : 1 of 12



# A318/A319/A320/A321

## 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	MSN
24X	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



# A318/A319/A320/A321

## 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 2681 2691 2729 2735 2742 2744 2754 2765 2769 2777 2779 2782 2795
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 2535 2577 2580 2640 2647 2671 2710 2725 2755 2781 2802
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 2443 2496 2502 2522 2531 2576 2621 2634 2650 2664 2670
LAJ	2441 2653
LAN	2572 2585
MXA	2328 2333 2358 2367 2377 2394 2523 2544 2552 2575 2662
NKS	2424 2433 2470 2473 2476 2485 2490 2560 2567 2590 2603 2622 2659 2673 2679 2698 2704 2711 2718 2723 2784 2797
NLY	2529 2668 2749
NWA	2618 2641

DATE : Apr 24/06

SERVICE BULLETIN No. : A320-21-1160

REVISION No. : 00 –

Page : 3



# A318/A319/A320/A321

## SERVICE BULLETIN

OPERATOR	MSN
OGE	2423 2453 2457 2631 2655 2738 2739
RAM	2726
RJA	2598 2649 2692 2730 2793
SAA	2268 2281 2308 2326 2355 2375 2379 2418 2438 2469 2501
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



### 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 developed 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 initialisation 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





- (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	0.50
Modification	0.50
Test	1.00
Close-up	0.50
TOTAL MANHOURS	2.50
ELAPSED TIME (HOURS)	2.50

### H. WEIGHT AND BALANCE

None

### I. ELECTRICAL LOAD DATA

None

DATE : Apr 24/06

SERVICE BULLETIN No. : A320-21-1160

REVISION No. : 00 –

Page : 6



# A318/A319/A320/A321

## SERVICE BULLETIN

### J. REFERENCES

Aircraft Maintenance Manual (AMM) : 06-41-51 12-24-34 20-55-00  
21-61-00 21-61-34 24-42-00

### K. PUBLICATIONS AFFECTED

None

### L. INTERCHANGEABILITY/MIXABILITY

DESCRIPTION	OLD PART No.	NEW PART No.	INT	MIXABILITY
Air Conditioning System Controller	1803B0000-01	1803B0000-02	02	allowed

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



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

SERVICE BULLETIN

This Page Intentionally Left Blank

DATE : Apr 24/06

SERVICE BULLETIN No. : A320-21-1160

REVISION No. : 00 –

Page : 8



### 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



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

SERVICE BULLETIN

This Page Intentionally Left Blank

DATE : Apr 24/06

SERVICE BULLETIN No. : A320-21-1160

REVISION No. : 00 –

Page : 10



### 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



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.



# A318/A319/A320/A321

## 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

SERVICE BULLETIN No. : A320-21-1160

REVISION No. : 00 -

Page : 1 of 1





# A318/A319/A320/A321

## SERVICE BULLETIN QUALITY PERCEPTION FORM

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

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

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

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

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

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

Comments :

Operator :

Date:

Name/Title :

Please return this form to :

AIRBUS  
CUSTOMER SERVICES DIRECTORATE  
1 Rond Point Maurice Bellonte  
31707 BLAGNAC  
Attn : SEM4 Service Bulletins Management  
FAX : (33) 5 61 93 42 51

Or via your Resident Customer Support Office.

6 DATE : Apr 24/06

SERVICE BULLETIN No. : A320-21-1160

REVISION No. : 00 -

Page : 1 of 1