

Supplemental Type Certificate

Number ST01182LA

This Certificate issued to Raisbeck Commercial Air Group
4411 South Ryan Way
Seattle, Washington 98178

certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part 25 of the Federal Aviation Regulations. *Certification basis is set forth in Type Certificate Data Sheet A28NM*

Original Product Type Certificate Number: A28NM

Make: Airbus Industrie

Model: A320-232

Description of Type Design Change: Installation of an Interior modification, in accordance with FAA Approved Raisbeck Commercial Air Group Index List, 200A-2020, Revision "NC" dated May 30, 2001, or later FAA Approved Revisions.

Limitations and Conditions: The installation should not be incorporated in any aircraft unless it is determined that the interrelationship between this installation and any previously approved configuration will not introduce any adverse effect upon the airworthiness of the aircraft. The approval of this modification applies to the above noted airplane model series only. A copy of this STC must be included in the permanent records of the modified aircraft. If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

This certificate and the supporting data, which is the basis for approval shall remain in effect until surrendered, suspended, revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration

Date of application: January 12, 2001

Date reissued:

Date of issuance: July 10, 2001

Date amended:



By direction of the Administrator

Michael E. Neil
(Signature)

Acting Manager, Airframe Branch
Los Angeles Aircraft Certification Office
(Title)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both

<u>DWG</u>	<u>SHT</u>	<u>TITLE</u>	<u>REV</u>	<u>ADCN</u>	<u>DATE</u>
200A-2500	1	A320 BIN EXTENSION INSTALLATION	E		03/11/2002
200A-2500	2	A320 BIN EXTENSION INSTALLATION	IR		03/27/2001
200A-2500	3	A320 BIN EXTENSION INSTALLATION	IR		03/27/2001
200A-2500	4	A320 BIN EXTENSION INSTALLATION	A		08/22/2001
200A-2500	5	A320 BIN EXTENSION INSTALLATION	A		08/22/2001
200A-2500	6	A320 BIN EXTENSION INSTALLATION	B		03/11/2002
200A-2500	PL	A320 BIN EXTENSION INSTALLATION	E		03/11/2002
200A-2501	1	PLACARD	A		04/05/2002
200A-2501	PL	PLACARD	A		04/05/2002
200A-2502	1	LATCH COVER DETAIL	-		04/4/2001
200A-2502	PL	LATCH COVER DETAIL	IR		04/4/2001
200A-2503	1	LATCH BRACKET DETAIL	C		06/13/2001
200A-2503	2	LATCH BRACKET DETAIL	-		06/13/2001
200A-2503	PL	LATCH BRACKET DETAIL	B		06/13/2001
200A-2504	1	SHIM DETAIL	-		06/14/2001
200A-2504	PL	SHIM DETAIL	-		06/14/2001
200A-2505	1	PLACARD INSTALLATION	A		09/18/2001
200A-2505	PL	PLACARD INSTALLATION	A		09/18/2001
200A-2510	1	BIN DOOR ASSY	G		11/08/2002
200A-2510	2	BIN DOOR ASSY	D		11/08/2002
200A-2510	PL	BIN DOOR ASSY	D		08/14/2001
200A-2511	1	HINGE HALF DETAIL	F		02/15/2002
200A-2511	2	HINGE HALF DETAIL	B		08/20/2001
200A-2511	PL	HINGE HALF DETAIL	D		06/13/2001
200A-2512	1	BIN DOOR DETAIL	J		03/11/2002
200A-2512	2	BIN DOOR DETAIL	G		06/29/2001
200A-2512	3	BIN DOOR DETAIL	D		04/25/2001
200A-2512	4	BIN DOOR DETAIL	E		04/25/2001
200A-2512	5	BIN DOOR DETAIL	E		04/25/2001
200A-2512	6	BIN DOOR DETAIL	F		06/29/2001
200A-2512	7	BIN DOOR DETAIL	F		03/11/2002
200A-2512	8	BIN DOOR DETAIL	E		03/11/2002
200A-2512	9	BIN DOOR DETAIL	-		08/14/2001
200A-2512	PL	BIN DOOR DETAIL	G		03/11/2002
200A-2514	1	BIN DOOR PROFILE	-		02/23/2001

 Everett E. Murvine APPROVED	SIZE	DWG NO: 200A-2000		REV LTR
	A	DRAWING LIST		J
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DWG	SHT	TITLE	REV	ADCN	DATE
200A-2515	1	BIN END COVER	E		11/08/2002
200A-2515	2	BIN END COVER	B		10/30/2001
200A-2515	3	BIN END COVER	A		09/18/2001
200A-2515	4	BIN END COVER	A		02/08/2002
200A-2515	5	BIN END COVER	A		02/08/2002
200A-2515	6	BIN END COVER	B		11/08/2002
200A-2515	7	BIN END COVER	A		02/08/2002
200A-2515	PL	BIN END COVER	D		02/08/2002
200A-2516	1	BIN END COVER PROFILE	-		08/26/2001
200A-2520	1	BULLNOSE FINAL ASSY	F		03/25/2002
200A-2520	PL	BULLNOSE FINAL ASSY	F		03/25/2002
200A-2521	1	BULLNOSE EXTRUSION PROFILE	B		03/14/2001
200A-2522	1	BULLNOSE DETAIL	J		02/28/2002
200A-2522	2	BULLNOSE DETAIL	G		09/18/2001
200A-2522	3	BULLNOSE DETAIL	H		02/28/2002
200A-2522	PL	BULLNOSE DETAIL	C		05/2/2001
200A-2523	1	BULLNOSE PLUG	E		03/14/2002
200A-2523	2	BULLNOSE PLUG	-		03/9/2001
200A-2523	3	BULLNOSE PLUG	-		03/14/2002
200A-2523	PL	BULLNOSE PLUG	E		03/14/2002
200A-2524	1	LATCH CATCH ASSEMBLY	D		03/28/2001
200A-2524	PL	LATCH CATCH ASSEMBLY	B		03/27/2001
200A-2525	1	BRACKET	B		07/05/2001
200A-2525	PL	BRACKET	A		04/26/2001
200A-2526	1	CLASS DIVIDER DETAIL	B		08/01/2001
200A-2526	PL	CLASS DIVIDER DETAIL	A		04/26/2001
200A-2527	1	CLASS DIVIDER INSTALLATION	C		07/05/2001
200A-2527	2	CLASS DIVIDER INSTALLATION	B		07/05/2001
200A-2527	3	CLASS DIVIDER INSTALLATION	-		07/05/2001
200A-2527	PL	CLASS DIVIDER INSTALLATION	B		07/05/2001
200A-2528	1	BULLNOSE DETAILS	C		05/2/2001
200A-2528	PL	BULLNOSE DETAILS	A		05/2/2001
200A-2529	1	BULLNOSE EXTRUSION DETAILS	A		05/2/2001
200A-2529	PL	BULLNOSE EXTRUSION DETAILS	A		05/2/2001

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SIZE

A

DWG NO: 200A-2000
DRAWING LIST
A320 Bin Extension System

REV LTR

J

11-11-02

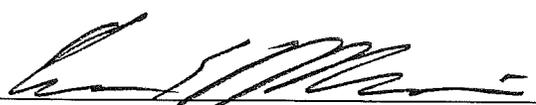
SCALE

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DWG	SHT	TITLE	REV	ADCN	DATE
200A-2530	1	HANDLE DETAILS	D		11/08/2002
200A-2530	2	HANDLE DETAILS	-		08/20/2001
200A-2530	PL	HANDLE DETAILS	C		08/20/2001
200A-2531	1	CLASS DIVIDER SUB ASSEMBLY	B		08/13/2001
200A-2531	2	CLASS DIVIDER SUB ASSEMBLY	-		08/13/2001
200A-2531	PL	CLASS DIVIDER SUB ASSEMBLY	A		08/13/2001
200A-3010	1	20.6 BIN DOOR ASSY	D		11/08/2002
200A-3010	PL	20.6 BIN DOOR ASSY	D		11/08/2002
200A-3011	1	40.55 SINGLE BIN DOOR ASSY	D		11/08/2002
200A-3011	PL	40.55 SINGLE BIN DOOR ASSY	D		11/08/2002
200A-3012	1	40.55 LH BIN DOOR ASSY	E		11/08/2002
200A-3012	PL	40.55 LH BIN DOOR ASSY	D		11/08/2002
200A-3013	1	40.55 RH BIN DOOR ASSY	E		11/08/2002
200A-3013	PL	40.55 RH BIN DOOR ASSY	D		11/08/2002
200A-3014	1	4.6 BIN DOOR ASSY	B		03/11/2002
200A-3014	PL	4.6 BIN DOOR ASSY	B		03/11/2002
200A-3015	1	8.4 BIN DOOR ASSY	C		03/11/2002
200A-3015	PL	8.4 BIN DOOR ASSY	B		03/11/2002
200A-3016	1	16.75 BIN DOOR ASSY	C		03/11/2002
200A-3016	PL	16.75 BIN DOOR ASSY	B		03/11/2002
200A-3017	1	16.25 BIN DOOR ASSY	C		03/11/2002
200A-3017	PL	16.25 BIN DOOR ASSY	B		03/11/2002
200A-3018	1	10.9 BIN DOOR ASSY	C		03/11/2002
200A-3018	PL	10.9 BIN DOOR ASSY	B		03/11/2002
200A-3019	1	11.1 BIN DOOR ASSY	C		03/11/2002
200A-3019	PL	11.1 BIN DOOR ASSY	B		03/11/2002
200A-3020	1	20.6 LOCKING BIN DOOR ASSY	D		11/08/2002
200A-3020	PL	20.6 LOCKING BIN DOOR ASSY	D		11/08/2002
200A-3021	1	SEAL DETAILS	B		05/29/2002
200A-3021	PL	SEAL DETAILS	B		05/29/2002


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SIZE	DWG NO: 200A-2000	REV LTR
A	DRAWING LIST	J
	A320 Bin Extension System	
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H3-1752	1	TWIN HOOK LATCH ASSY	F	10/08/2002
H3-1752	2	TWIN HOOK LATCH ASSY	D	01/04/2002
H3-1752	3	TWIN HOOK LATCH ASSY	B	10/08/2002
CSC MS 202		MATERIAL SPECIFICATION, CSC MS 202, FILM ADHESIVE, MODIFIED PHENOLIC, LOW HEAT RELEASE	NEW	02/20/2001
CSCMS 210		MATERIAL SPECIFICATION, CSCMS 210, FLAME RETARDANT RIGID URETHANE FOAMS	B	08/27/2001
CSCMS 216		MATERIAL SPECIFICATION, CSCMS 216, WATER EMULSION PAINTS FOR INTERIOR APPLICATIONS	C	08/6/2001
CSCMS220		MATERIAL SPECIFICATION, CSCMS220, NONMETALLIC HONEYCOMB CORE	A	04/23/2001
CSCMS 221		MATERIAL SPECIFICATION, CSCMS 221, PHENOLIC RESIN PRE-IMPREGNATED FIBERGLASS FABRICS FOR 206°F CURE	NEW	02/23/2001
CSCPS 100		PROCESS SPECIFICATION, CSCPS 100, FLAMMABILITY TEST SPECIFICATION GENERAL	NEW	02/20/2001
CSCPS 103		PROCESS SPECIFICATION, CSCPS 103, APPLICATION OF INTERIOR DECORATIVE FINISHES	A	08/06/2001
CSCPS 104		PROCESS SPECIFICATION, POTTING OF INSERTS INTO SANDWICH STRUCTURES	B	05/30/2002
CSCPS 106		PROCESS SPECIFICATION, CSCPS 106 MANUFACTURE OF LOW TEMPERATURE CURING GLASS/PHENOLIC LAMINATES AND SANDWICH PANELS	B	08/06/2001
RES-103		PARTING MARKING	B	04/04/1983



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SIZE A	DWG NO: 200A-2000 DRAWING LIST A320 Bin Extension System	REV LTR J
11-11-02	SCALE	PG. 4 of 4



U.S. Department
of Transportation

Federal Aviation
Administration

JUL 10 2001

Mr. Mel Johnson
Raisbeck Commercial Air Group
4411 South Ryan Way
Seattle, Washington 98178

Transport Airplane Directorate
Los Angeles Aircraft
Certification Office

3960 Paramount Boulevard
Lakewood, California 90712-4137

Dear Mr. Johnson:

**Supplemental Type Certificate No. ST01182LA for the Installation
of an Interior Modification on an Airbus A320-232, Project No. ST8678LA-T**

We have completed our evaluation of the subject change in type design and are enclosing a FAA Approved copy of the Raisbeck Commercial Air Group Index List 200A-2020, Revision "NC", dated May 30, 2001 and your Supplemental Type Certificate No. ST01182LA.

This certificate signifies approval of the type design change and authorizes modification of the aircraft model(s) listed on the certificate. A copy must be included with each kit you issue or each time you make the data available to other persons who intend to make the subject alteration. The certificate may be transferred or made available to other persons by such means as a licensing agreement in accordance with Title 14 Code of Federal Regulations (CFR) part 21.47.

You are required to maintain an updated file related to this STC. If you plan to manufacture replacement or modification parts for sale in conformance with approved data listed on the certificate, you are required to comply with the, § 21.303 and § 45.15. Application for Parts Manufacturer Approval (PMA) should be made in writing reference to this STC and addressed to: Seattle Manufacturing Inspection District Office, 2500 East Valley Road, Suite C-2, Renton WA 98055-4056. Please note that § 21.303(g) specifies that the FAA does not issue PMA if the manufacturing facility for the part is located outside of the United States, unless a determination is made that the location of the manufacturing facility places no undue burden on the FAA in administering the applicable airworthiness requirements.

In accordance with § 21.3, and as a recipient of this certificate, you are required to report any failure, malfunction or defect, except as provided in § 21.3(d), in any product or part manufactured by you or your contracted suppliers, and which you have determined has resulted or could result in any occurrences listed in § 21.3(c). The result should be communicated initially by telephone to the Manager, Airframe Branch, Los Angeles Aircraft Certification Office, telephone No. (562) 627-5220, within 24 hours after it has been determined that a failure has occurred and followed up with a written notice to the

address shown above. FAA Form 8110-4 (malfunction or defect report) or other appropriate format is acceptable in transmitting the required details.

You, as the STC holder, are responsible for any design changes necessary to correct unsafe conditions as well as submitting those design changes to this office for approval. This requirement is contained in § 21.99. In addition, you are required to advise this office of any change in address.

Also, § 21.50 requires that Instructions for Continued Airworthiness, as applicable to this change in type design, be made available to the operator at the time the aircraft is returned to service.

By accepting this certificate, you acknowledge that you have read and understand your responsibilities as an STC holder.

Sincerely,

A handwritten signature in cursive script that reads "Michael E. O'Neil".

Michael E. O'Neil
Acting Manager, Airframe Branch

2 Enclosures



U.S. Department
of Transportation

**Federal Aviation
Administration**

OCT 23 2003

Mr. Mel Johnson
Raisbeck Commercial Air Group
4411 South Ryan Way
Seattle, WA 98178

Dear Mr. Johnson:

Reference: Raisbeck Commercial Air Group letter, dated June 17, 2003.

Revision "J" to Raisbeck Commercial Air Group
Index List 200A-2020, dated September 15, 2003
STC ST01182LA, the Installation
of a Interior Modification on an Airbus A320-232 Aircraft
Project SA10545LA-T

We have reviewed the information and data submitted with the above listed Raisbeck Commercial Air Group letter, which updates the Raisbeck Commercial Air Group data for Airbus A320-232 Aircraft Interior Modification. We have completed our evaluation of the subject change in type design and are enclosing the FAA approved revision "J" dated September 15, 2003 to Raisbeck Commercial Air Group Index List 200A-2020 for use on the Airbus A320-232 Aircraft under the provisions of the Supplemental Type Certificate ST01182LA.

If you plan to manufacture replacement or modification parts for sale in conformance with the approved data listed on the certificate, you are required to comply with 14 Code of Federal Regulations (CFR) part 21, § 21.303 and § 45.15. Application for Parts Manufacturer Approval (PMA) should be addressed to: Seattle Manufacturing Inspection District Office, 2500 East Valley Road, Suite C-2, Renton WA 98055-4056

Sincerely,

Gregory S. DiLibero
Manager, Airframe Branch

Enclosure

RECEIVED
OCT 30 2003