United States of America

Department of Transportation_Federal Aviation Administration

Supplemental Type Certificate

Number SR00798SE

This certificate, issued to **Boundary Layer Research, Inc.**
9730 29th Avenue W., Hangar C-106
Everett, WA 98204

*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 * of the * Regulations.*

Original Product—Type Certificate Number: *See attached Approved Model List (AML)

Make: No. SR00798SE for a list of approved rotorcraft

Model: models and applicable airworthiness regulations.

Description of the Type Design Change: Fabrication of Boundary Layer Research (BLR) tail boom mounted strakes in accordance with BLR Master Drawing List No. BL-UH1H-01, Revision D, dated September 10, 2001, or later Federal Aviation Administration (FAA) approved revision; and installation of this strake system in accordance with BLR Installation Drawing List No. BL-UH-1H-02, Revision D, dated September 10, 2001, or later FAA approved revision, and BLR Installation Manual No. BH200INS, Revision D, dated September 10, 2001, or later FAA approved revision.

Limitations and Conditions: Approval of this change in type design applies to the rotorcraft models specified on AML No. SR00798SE only, that are equipped with standard tail booms and empennages. This approval should not be extended to other rotorcraft of these models on which other previously approved modifications are incorporated unless it is determined by the installer, that the relationship between this change and any other previously approved modifications, including changes in type design, will introduce no adverse effect upon the airworthiness of that rotorcraft. Rotorcraft modified by this STC must be operated in accordance with an FAA approved copy of one of the BLR Rotorcraft Flight Manual Supplement (RFMS) listed on page 3, or later FAA approved revisions. A copy of this Certificate, AML, and FAA approved RFMS must be maintained as part of the permanent records of the modified rotorcraft.

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.

(See Continuation Page 3)

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: February 9, 1999

Date of issuance: May 1, 2000

Date reissued:

Date amended: 6/22/00; 3/15/01; 3/27/01; 6/11/01; 10/26/01; 3/25/04

By direction of the Administrator

(Signature)

Acting Manager, Seattle 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.

This certificate may be transferred in accordance with FAR 21.47.

FAA FORM 8110-2(10-68)

United States of America
Department of Transportation_Federal Aviation Administration

Supplemental Type Certificate
(Continuation Sheet)

Number **SR00798SE**

Boundary Layer Research, Inc.

Reissued:
Amended: 6/22/00; 3/15/01; 3/25/04

Limitations and Conditions, (Cont'd)

Rotorcraft modified by this STC must be operated in accordance with an FAA approved copy of one of the BLR Rotorcraft Flight Manual Supplements (RFMS) listed below, or later FAA approved revision:

a. BLR RFMS No. RFMS-BH205-1a, Revision B, dated January 8, 2002, covering the basic BLR strake installation on all of the helicopter models listed in the AML.

b. BLR RFMS No. RFMS-BH205-2a, Revision IR, dated March 12, 2004, covering the basic BLR strake installation plus a performance improvement for those Model 204B helicopters.

c. BLR RFMS No. RFMS-BH205-3a, Revision IR, dated March 12, 2004, covering the basic BLR strake installation plus a performance improvement for those Model 205A-1 helicopters.

A copy of this Certificate, AML, and FAA approved RFMS must be maintained as part of the permanent records of the modified rotorcraft. This modification has been approved as a structural no-hazard installation. No changes in performance, handling qualities, gross weight limits, or fatigue life, were applied for, or demonstrated to, the FAA during the approval of this modification except for the 204B and 205A-1 performance improvements presented in BLR RFMS option b or c, above.

- END –

FAA APPROVED MODEL LIST (AML) SR00798SE
FOR
BOUNDARY LAYER RESEARCH (BLR) TAIL BOOM MOUNTED STRAKES

ISSUE DATE: JUNE 22, 2000

ITEM	ROTORCRAFT MAKE	ROTORCRAFT MODEL	TYPE CERTIFICATE NUMBER	CERT BASIS FOR ALTERATION	AML AMENDED DATE
1	BELL	204B 205A-1 205B	H1SW	CAR 7, dated 8/1/56, Amend 7-1 thru 7-4	1/8/02
2	BELL	212, 412, 412EP and 412CF	H4SW	FAR Part 29, dated 2/1/65, Amend 29-1 and 29-2	6/11/01

FAA Approved: _____
Acting Manager, Seattle Aircraft
Certification Office

Amended: March 15, 2001; March 27, 2001; June 11, 2001; October 26, 2001; January 8, 2002; March 25, 2004