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 revised:  
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.
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

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<th>ITEM</th>
<th>ROTORCRAFT MAKE</th>
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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