

# EMERGENCY AIRWORTHINESS DIRECTIVE



Aircraft Certification Service  
Washington, DC

U.S. Department  
of Transportation  
**Federal Aviation  
Administration**

[www.faa.gov/aircraft/safety/alerts/](http://www.faa.gov/aircraft/safety/alerts/)

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**CORRECTION:** Service Bulletin 412-07-123 applies to model 412, not 230.

**DATE: September 14, 2007**  
**AD #: 2007-19-53**

Send to all U.S. owners and operators of Bell Helicopter Textron, Inc. (BHTI) Model 204B, 205A, 205A-1, 205B, 210, 212, 412, 412EP, and 412CF helicopters, certificated in any category, with certain part-numbered and serial-numbered tail rotor blades installed.

This Emergency Airworthiness Directive (AD) is prompted by three incidents in which tail rotor blade (blade) tip weights were slung from the blades during flight, causing significant vibration. The failures have occurred on blades being returned to service from Rotor Blades, Inc. (RBI), from as short as 12 minutes since repair to as long as 400 hours time-in-service. An investigation indicates that the tip weights were missing the adhesive applied during the weight-and-balance process on these blades. This condition, if not detected and corrected, could result in loss of the blade tip weight, loss of a blade, and subsequent loss of control of the helicopter.

We have reviewed the following BHTI Alert Service Bulletins (ASB):

- No. 204-07-61 for BHTI Model 204 helicopters,
- No. 205-07-95 for BHTI Model 205 helicopters,
- No. 205B-07-46 for BHTI Model 205B helicopters,
- No. 212-07-125 for BHTI Model 212 helicopters, and
- No. 412-07-123 for BHTI Model 412 helicopters,

All the ASBs are dated September 11, 2007, and contain a letter from RBI indicating certain blades processed by RBI may be missing the adhesive applied to the tip weight screws during the weight and balance process.

This unsafe condition is likely to exist or develop on other helicopters of the same type design. Therefore, this AD requires, before further flight, replacing each affected blade with an airworthy blade.

This rule is issued under 49 U.S.C. Section 44701 pursuant to the authority delegated to me by the Administrator, and is effective immediately upon receipt of this emergency AD.

**2007-19-53 BELL HELICOPTER TEXTRON, INC.:** Directorate Identifier 2007-SW-37-AD.

Applicability: Model 204B, 205A, 205A-1, 205B, 210, 212, 412, 412EP, and 412CF helicopters, with a tail rotor blade (blade), having a part and serial number as listed in the following table, installed, certificated in any category.

<b>Part Number</b>	<b>Serial Number</b>
204-011-702-015	AFS-12703, AFS-12893, AFS-23525, or AFS-23573
204-011-702-121	A-22020
212-010-750-105FM	A-10090, A-10836, A-11207, or A-11332
212-010-750-113	A-14953, A15090, or CS-12702
212-010-750-113FM	A-12240, A-12296, A-12640, A-12670, A-12789, A-13033, A-13096, A-13134, A-13199, A-13264, or A-13366
212-010-750-133	A15602

Compliance: Required as indicated, unless accomplished previously.

To prevent loss of the blade tip weight, loss of a blade, and subsequent loss of control of the helicopter do the following:

(a) Before further flight, replace any affected blade with an airworthy blade with a serial number not listed in the applicability section of this AD.

(b) To request a different method of compliance or a different compliance time for this AD, follow the procedures in 14 CFR 39.19. Contact the Manager, Rotorcraft Certification Office, FAA, ATTN: Michael Kohner, Aviation Safety Engineer, Fort Worth, Texas 76193-0170, telephone (817) 222-5447, fax (817) 222-5783, for information about previously approved alternative methods of compliance.

(c) Special flight permits will not be issued.

(d) Copies of the applicable service information may be obtained from Bell Helicopter Textron, Inc., P.O. Box 482, Fort Worth, Texas 76101, telephone (817) 280-3391, fax (817) 280-6466.

(e) Emergency AD 2007-19-53, issued September 14, 2007, becomes effective upon receipt.

**FOR FURTHER INFORMATION CONTACT:** Michael Kohner, Aviation Safety Engineer, FAA, Rotorcraft Directorate, Rotorcraft Certification Office, Fort Worth, Texas 76193-0170, telephone (817) 222-5447, fax (817) 222-5783.

Issued in Fort Worth, Texas, on September 14, 2007.

Mark R. Schilling,  
Acting Manager, Rotorcraft Directorate,  
Aircraft Certification Service.