

**ALERT SERVICE BULLETIN**  
REVISION NOTICE

DATE Jan 13, 2009



A Textron Company

**TO: All Owners/Operators of Bell 212 Helicopters**

**SUBJECT: REVISION "A" TO ALERT SERVICE BULLETIN 212-08-130:**  
MAIN ROTOR BLADE P/N 212-015-501-005, -111, -113, -115, -117, -119  
and, -121; INSPECTION OF.

Revision "A" to this bulletin is being issued for an editorial change in the  
DESCRIPTION paragraph.

AN APPROPRIATE ENTRY SHOULD BE MADE IN THE AIRCRAFT LOGBOOK UPON ACCOMPLISHMENT  
IF OWNERSHIP OF AIRCRAFT HAS CHANGED PLEASE FORWARD TO NEW OWNER

**ALERT SERVICE BULLETIN**



A Textron Company

NO. 212-08-130

DATE Dec 19, 2008

PAGE 1 of 5

DATE	01-13-09
REV	A

**MODEL AFFECTED:** 212

**SUBJECT:** MAIN ROTOR BLADE P/N 212-015-501-005, -111, -113, -115, -117, -119 and, -121, INSPECTION OF.

**HELICOPTERS AFFECTED:** Model 212 helicopters serial number 30502 through 30603, 30611 through 30999, 31101 through 31311, 35001 through 35103, and 32101 through 32262.

**COMPLIANCE:** Within the next 25 hours after receipt of this bulletin and every 100 hours of operation thereafter.

**DESCRIPTION:**

A model 212 Main Rotor Blade P/N 212-015-501-115 with approximately 1000 hours total time was recently returned to BHTI for evaluation. The blade was found cracked through the blade retention bolt hole at Blade Station 28.0 and another crack through the lower grip plate at Blade Station 36.0. The main rotor blade contained a fatigue fractured grip plate, fatigue fractured doublers and a fatigue cracked spar on the bottom of the blade as a result of inadequate bond between the doublers and grip plate. This bulletin introduces a recurring inspection of the Main Rotor Blade every 100 hours of operation for continued safety of operation. Refer to Figures 1 for the inspection area and Figure 2 showing the cracks. **A**

**APPROVAL:**

The engineering design aspects of this bulletin are FAA/DER approved.

**MANPOWER:**

Approximately 1.0 man-hour is required to complete this bulletin. Man-hours are based on hands-on time, and may vary with personnel and facilities available.

**WARRANTY:**

There is no warranty provided for this bulletin.

**MATERIAL:**

**Required Material:**

None required

**Consumable Material:**

The following material is required to accomplish this bulletin, but may not require ordering, depending on the operator's consumable material stock levels. This material may be obtained through your Bell Helicopter Textron Supply Center.

<u>Part Number</u>	<u>Nomenclature</u>	<u>Quantity</u>	<u>Reference</u>
MILC87936TY1	Cleaning Compound	1 liter	C-318
WD-40	Preservative Oil	12 OZ	C-125

**SPECIAL TOOLS:**

None required

**WEIGHT AND BALANCE:**

Not affected

**ELECTRICAL LOAD DATA:**

Not affected

**REFERENCES:**

BHT-212-IPB Illustrated Parts Breakdown  
BHT-212-MM Maintenance Manual  
BHT-212-CR&O Component Repair and Overhaul Manual

**PUBLICATIONS AFFECTED:**

None affected

**ACCOMPLISHMENT INSTRUCTIONS:**

1. Wash upper and lower Main Rotor Blade surfaces with a solution of cleaning compound (C-318) and water. Rinse thoroughly and wipe dry.

**-NOTE-**

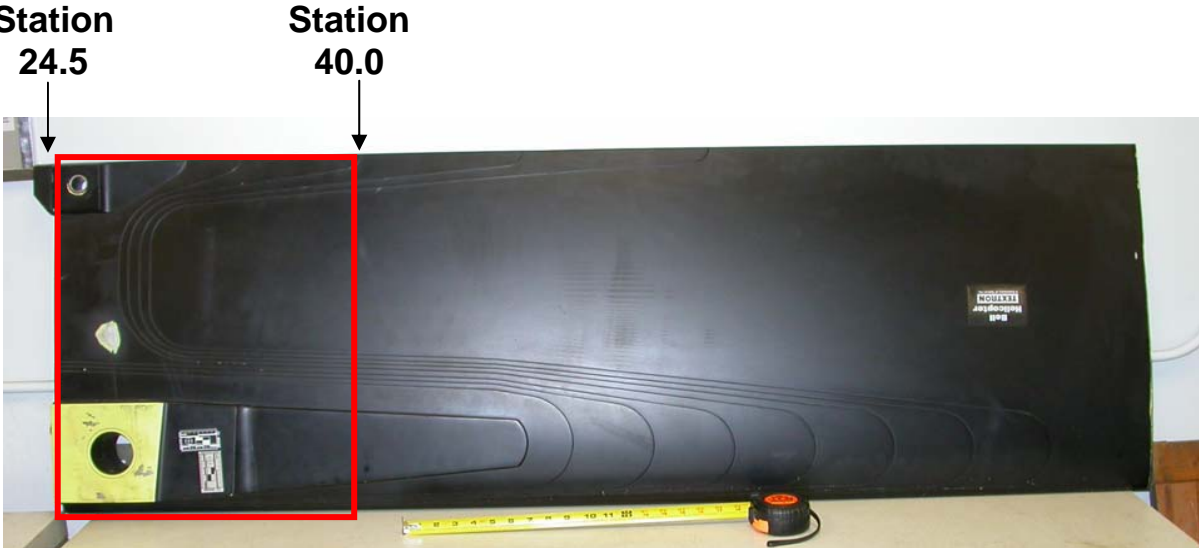
Accomplishment of this inspection does not require removal of the blades from the Main Rotor Hub.

2. Inspect the Main Rotor Blade upper and lower grip plates and doublers between blade station 24.5 and 40.0 and the whole width of the chord. Inspect for signs of edge voids, corrosion and cracks. Hair line cracks in the paint finish should be suspect for possible cracks / voids.
3. Carry out a detailed visual inspection of the top and bottom inspection areas of the blade using a 3X-power magnifying glass. Any cracks in the finish must be investigated further by removing paint in affected areas (sand with 180-220 grit paper in a spanwise direction) to determine if the grip plate / doublers are cracked.

**CAUTION**

Pay particular attention not to remove any parent material from the skin / doublers during sanding operation.

4. Refinish the sanded area as per BHT-212-CR&O.
5. Following the inspection, apply a light coat of preservative oil (C-125) to all surfaces of blade.
6. Annotate records to indicate compliance with this bulletin.



**Figure 1**  
Inspection Area



**Figure 2**  
Crack Indications