

ALERT SERVICE BULLETIN
REVISION NOTICE

DATE April 14, 2009



A Textron Company

TO: All Owners/Operators of Bell 412/412EP Helicopters

SUBJECT: REVISION "A" TO ALERT SERVICE BULLETIN 412-08-128: MAIN ROTOR YOKES P/N 412-010-101-123/-127/-129/-133, REDUCTION IN AIRWORTHINESS LIFE FROM 5000 TO 4500 HOURS AND REIDENTIFICATION OF.

Revision "A" to this bulletin introduces a compliance date and specifies that any subject yoke currently in service which previously had been installed in 412/412EP helicopters equipped with the slope landing gear kit is affected.

In the accomplishment instructions, reidentification of the yoke dash number using a vibrating stylus will be accomplished on the yoke in lieu of the data plate as previously advised. An entry in the component Historical Service Records will still be required.

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. 412-08-128

DATE MAR 04, 2008

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DATE	April 14, 2009
REV	A

MODEL AFFECTED: 412 & 412EP

SUBJECT: MAIN ROTOR YOKES P/N 412-010-101-123/-127/-129/-133, REDUCTION IN AIRWORTHINESS LIFE FROM 5000 TO 4500 HOURS AND RE-IDENTIFICATION OF.

HELICOPTERS AFFECTED: Model 412/412EP helicopters equipped with (BHT-412-SI-62) Slope Landing Kit P/N 412-704-012-101, and any subject yokes currently in service which previously had been installed on 412/412 EP helicopters equipped with the slope landing kit. Any yoke which previously had been installed on a 412 CF is also affected.

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COMPLIANCE: Yokes with less than 4500 hours time in service, compliance is prior to reaching 4500 hours but no later than six months following receipt of this bulletin.

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Yokes with 4500 hours or more time in service compliance is immediate.

DESCRIPTION:

Bell Helicopter has determined after further fatigue analysis that Main Rotor Yokes with Slope Landing Kit P/N 412-704-012-101 do not have the desired margin for endurance, and therefore require a 500 hour reduction in airworthiness life.

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 credit applicable for parts or labor associated with this Bulletin.

MATERIAL:

Required Material:

The following material is required for the accomplishment of this bulletin and may be obtained through your Bell Helicopter Textron Supply Center.

<u>Part Number</u>	<u>Nomenclature</u>	<u>Quantity</u>
412-010-101-137	M/R Yoke	2 Note (1)

Note 1: Quantity is dependent of Airworthiness Life of installed M/R yokes.

SPECIAL TOOLS:

None required

WEIGHT AND BALANCE:

Not affected

ELECTRICAL LOAD DATA:

Not affected

REFERENCES:

BHT-412-IPB Illustrated Parts Breakdown
BHT-412-MM-1 Maintenance Manual
BHT-412-SI-62 Service Instruction

PUBLICATIONS AFFECTED:

BHT-412-IPB Illustrated Parts Breakdown
BHT-412-MM-1 Maintenance Manual
BHT-412-SI-62 Service Instruction

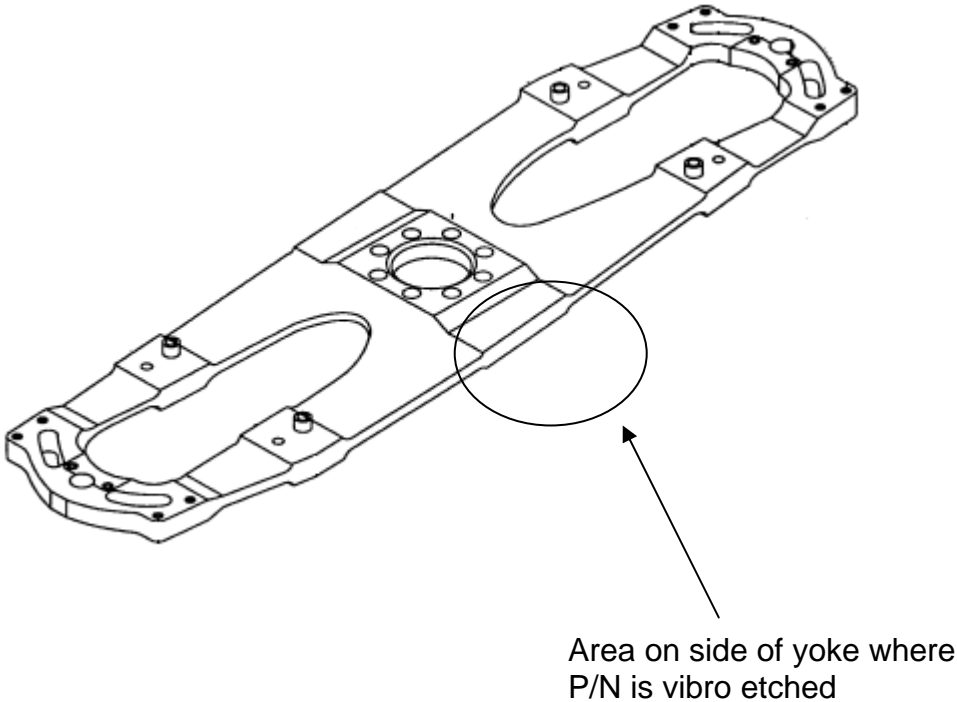
ACCOMPLISHMENT INSTRUCTIONS:

1. Determine if main rotor yoke has ever been installed on a helicopter with slope landing kit P/N 412-704-012-101.
2. If yoke has been installed on helicopter with slope landing kit:
3. Locate marked P/N on side of yoke (Figure 1).
4. Using a vibrating stylus etch two lines through the dash number of the existing part number 412-010-101-~~423/~~ ~~427/~~ ~~429/~~ ~~433~~ yoke, and re-identify with -137FM. Characters to be 1/4" + or - 1/8 "high and located on center line within 1/8".
5. Treat etched surface with chemical film (C-100). Apply primer (C-204) and paint (C-245) per color code 36440.
6. On the Yoke component Historical Service Record, mark two lines through the dash number of the existing part number 412-010-101-~~423/~~ ~~427/~~ ~~429/~~ ~~433~~ and re-identify as 412-010-101-137FM adjacent to the original markings. Retain existing serial number.
7. Make an entry in the Yoke component Historical Service Record showing that ASB 412-08-128 Rev A has been complied with and that the retirement life of the yoke has been reduced to 4500 hours.
8. Make an entry in the helicopter historical record to show that ASB 412-08-128 REV A has been complied with.

NOTE

If data plate on M/R hub was reidentified as per ASB 412-08-128 please contact Product Support Engineering for instructions.

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Figure 1