

ALERT SERVICE BULLETIN



A Textron Company

NO. UH-1H-08-04

DATE May 22, 2008

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DATE
REV

Distribution A: Approved for Public Release IAW DOD Memo 08-S-1790

MODEL AFFECTED: UH-1H

SUBJECT: SCISSOR AND SLEEVE ASSEMBLY, P/N 204-011-401-021

HELICOPTERS AFFECTED: Model UH-1H, and uninstalled spares with Scissor and Sleeve Assembly, Part Number (P/N) 204-011-401-021, S/N HD1 – HD244 installed.

COMPLIANCE: Perform Part 1 upon receipt of this bulletin. Perform Part 2 upon receipt of replacement seal, within 300 hours, or by December 31, 2008 whichever occurs first.

DESCRIPTION:

Bell Helicopter has learned that some p/n 204-011-401-021 Scissor and Sleeve were assembled incorrectly at manufacture. The upper seal p/n 204-010-428-001 is improperly installed with the seal lip facing down.

APPROVAL:

The engineering design aspects of this bulletin are Bell Helicopter approved.

MANPOWER:

Approximately 3.0 man-hours are required to complete this bulletin if not installed on aircraft. If assembly is installed on aircraft approximately 8.0 man hours are required to complete this bulletin. Man-hours are based on hands-on time, and may vary with personnel and facilities available.

WARRANTY:

Owners / Operators of Bell Helicopters who comply with the instructions in of this Bulletin will be eligible to receive a credit for the replacement part seal part number 204-010-428-001 outlined under the required material section.

To receive this credit:

- Purchase the required parts from a BHT supply source.
- Comply with the instructions contained in this Bulletin no later than the applicable hours in the “compliance section” of this ASB, or before 31 December 2008.
- Submit an MMIR to the Bell Warranty Department for the replacement parts.

Customers who fail to comply with the instructions in this Bulletin after the 31 December 2008 are not eligible for the special warranty exceptions listed above. No other labor cost will be covered under 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>
204-010-428-001	Seal	1

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>
MIL-G-25537	Grease	As required	
AS100028	Lock wire	As required	

SPECIAL TOOLS:

T101369	Assembly, Support
T101382	Assembly, Ram
T101392	Wrench
T101424	Bar, Bearing Removal
T101493	Wrench

ELECTRICAL LOAD DATA:

Not affected

REFERENCES:

TM 55-1520-210-23P Illustrated Parts Breakdown
TM 55-1520-210-23-1 Maintenance Manual

PUBLICATIONS AFFECTED:

None affected

ACCOMPLISHMENT INSTRUCTIONS:

Part 1. Reference TM 55-1520-210-23-1, Chapter 5

1. Remove lockwire around mast boot. Remove boot and spacer.
2. Check spline wear on drive plate (6, figure 5-43) by attaching dial indicator (2) to mast (1) with indicator probe (4) in contact with a flat of bolt head (3) (flange attaching bolt head). Move hub assembly (5) back and forth and measure amount of play present. Maximum radial play allowed between mast (1) and drive plate (6) is 0.040 inch at point of measurement.
3. If no discrepancies are found lubricate drive plate splines in accordance with TM 55-1520-210-23-1, Chapter 1 lubrication requirements.
4. Reinstall boot and spacer, TM 55-1520-210-23-1 Chapter 5.
5. Repeat steps 1 – 4 simultaneously with the scheduled scissor and sleeve lubrication interval until Part 2 of this bulletin is complied with.

Part 2. Reference TM 55-1520-210-23-1, Chapter 5

NOTE

Disassemble Scissor and Sleeve Assembly as required to replace p/n 204-010-428-001 upper seal

1. Remove the upper seal p/n 204-011-428-001, in accordance with TM 55-1520-210-23-1, Chapter 5, and para 5-79.

2. Reassemble Scissor and Sleeve Assembly in accordance with TM 55-1520-210-23-1, Chapter 5, para 5-83.
3. Annotate compliance with this bulletin in the aircraft historical records.