Bell Helicopter
A Textron Company

ALERT SERVICE BULLETIN 210-13-09
19 November 2013

MODEL AFFECTED: **210**

SUBJECT: **FLIGHT CONTROLS – HYDRAULIC SERVOACTUATOR UNDERSIZED THREAD ROOT RADIUS**

HELICOPTERS AFFECTED: **Serial numbers 21001-21004.**

COMPLIANCE: See attached bulletin

DESCRIPTION:

The purposes of this bulletin is to achieve complete distribution of the attached vendor bulletin to the current affected model distribution list on record by Bell Helicopter

APPROVAL:

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

CONTACT INFO:

For any questions regarding this bulletin, please contact:

WOODWARD HRT
25200 West Rye Canyon Road
Santa Clarita, California 91355
661-294-6000
FAX 661-702-5970

ECCN EAR99

WOODWARD HRT

ALERT SERVICE BULLETIN

FLIGHT CONTROLS – HYDRAULIC SERVOACTUATOR
UNDERSIZED THREAD ROOT RADIUS

1. PLANNING INFORMATION

A. Effectivity

This service bulletin applies only to hydraulic servoactuator 41000470-107 *(Bell Helicopter part number 212-076-005-111)* used on Bell Medium Helicopters aircraft with serial numbers:

ASSY S/N	Date Ship	ASSY S/N	Date Ship	ASSY S/N	Date Ship	ASSY S/N	Date Ship	ASSY S/N	Date Ship
HR12244H	1/31/2012	HR12363H	5/4/2012	HR12442H	11/30/2012	HR12460H	1/31/2013	HR12479H	3/22/2013
HR12245H	2/26/2012	HR12364H	5/4/2012	HR12443H	11/30/2012	HR12461H	1/31/2013	HR12480H	3/22/2013
HR12246H	2/26/2012	HR12365H	5/9/2012	HR12444H	11/30/2012	HR12462H	1/31/2013	HR12481H	3/22/2013
HR12247H	2/26/2012	HR12366H	5/9/2012	HR12445H	11/30/2012	HR12463H	1/31/2013	HR12482H	3/27/2013
HR12248H	2/26/2012	HR12367H	5/9/2012	HR12446H	11/30/2012	HR12464H	1/31/2013	HR12483H	3/22/2013
HR12249H	2/26/2012	HR12369H	5/10/2012	HR12447H	12/26/2012	HR12465H	1/31/2013	HR12484H	3/27/2013
HR12250H	2/26/2012	HR12370H	5/15/2012	HR12448H	12/26/2012	HR12466H	1/31/2013	HR12495H	5/9/2013
HR12251H	2/26/2012	HR12371H	5/15/2012	HR12449H	12/26/2012	HR12467H	1/31/2013	HR12509H	6/25/2013
HR12252H	2/29/2012	HR12372H	5/16/2012	HR12450H	12/26/2012	HR12468H	2/28/2013	HR12511H	6/25/2013
HR12355H	3/31/2012	HR12373H	5/16/2012	HR12451H	12/26/2012	HR12469H	2/28/2013	HR12515H	6/29/2013
HR12356H	4/2/2012	HR12375H	5/31/2012	HR12452H	12/26/2012	HR12470H	2/28/2013	HR12516H	6/29/2013
HR12358H	4/2/2012	HR12377H	6/4/2012	HR12453H	12/30/2012	HR12471H	2/28/2013	NN12457H	1/31/2013
HR12359H	4/19/2012	HR12379H	5/31/2012	HR12454H	12/30/2012	HR12473H	2/28/2013	NN12458H	1/31/2013
HR12361H	5/10/2012	HR12381H	6/4/2012	HR12455H	12/30/2012	HR12475H	3/22/2013		
HR12362H	8/22/2012	HR12440H	11/29/2012	HR12456H	12/30/2012	HR12476H	3/15/2013		
HR12362H	5/4/2012	HR12441H	11/29/2012	HR12459H	1/31/2013	HR12477H	3/15/2013		

B. Concurrent Requirements

Not Applicable

C. Reason

A small number of hydraulic servoactuators 41000470-107 have been discovered with undersized thread root radius on connecting cylinder (PN 41004705-101).

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D. Description

This Alert Service Bulletin instructs that all affected actuators have connecting cylinder 41004705-101 replaced in accordance with conditions stated in compliance.

If the servoactuator needs to be returned to Woodward HRT for maintenance, it should be sent to the address below:

Attn: ASB 41000470-67-06
Woodward HRT
25200 West Rye Canyon Road
Santa Clarita, CA 91355-1265

E. Compliance

Compliance with this Alert Service Bulletin shall be accomplished before 2500 flight hours or next overhaul whichever comes first.

F. Approval

This Alert Service Bulletin contains no modification information that revises the approved configuration and therefore does not require governmental or other regulatory agency approval.

G. Electrical Load Data

Not Changed

H. References

Component Maintenance Manual 67-31-06

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2. MATERIAL INFORMATION

A. Material – Price and Availability

All affected 41004705-101 connecting cylinders will be replaced free of charge with either 41004705-101 or RW41004705-101 when overhauled or repaired at authorized service centers or other duly authorized service facilities.

B. Industry Support Information

Woodward Approved Licensed Repair Service Facility	POC	e-Mail	Phone
Woodward HRT, Santa Clarita, California	Lisa Tanner	Lisa.Tanner@woodward.com	1-661-702-5305
AEM-UK	John Morphy	John.morphy@ametk.co.uk	011-44-1-279-680-030
Aviation Components, Australia	Glenn Chamberlain	glenn@aviationcomponents.com.au	613-9587-5988
Power Hydraulics, Canada	Corey Steinberg	csteinberg@powerhydraulics.ca	604.746.1133
Inaer, UK	Sue Grantham	SGrantham@inaer.co.uk	+44 (0) 1264 771700
Jamco, Japan	Shigeru Anzai	s_anzai@jamco.co.jp	81-422-31-6123
Mecaer, Italy	Maddalena Colombo	m.colombo@mecaer.com	39-0322-837196
Motorflug, Germany	Jasmin Brandlin	Jasmin.Braendlin@motorflug.com	49-72229-3014-32
ST Aerospace, Singapore	Maran Mani	manimaran@steng.com	65-6380-4654
Helitrades, Canada	Gerald Tom	Gerry@helitradesinc.com	613-678-3027
WH Brennan, Singapore	Tan Poh Seng	PST@survitecgroup.com	65-6549-5141

C. Re-identified Parts / Existing Parts Accountability

Upon completion of the ASB instructions, identify for compliance. Remove the modification plate from the 41000470-107 servo and metal-impression stamp or vibro-etch an abbreviated Alert Service Bulletin number (67-06) within the SB field of the modification plate. Woodward will provide replacement modification plates if necessary.

3. ACCOMPLISHMENT INSTRUCTIONS

WORK INSTRUCTIONS:

Using referenced component maintenance manual, remove and scrap connecting cylinder P/N 41004705-101. Replace with new or reworked part in accordance with referenced manual instructions.

Upon completion of the ASB instructions, identify for compliance in accordance with Re-identified Parts instructions in 2.C. Make necessary entry in the component and the helicopter historical service records indicating that the part replacement has been accomplished in accordance with this Alert Service Bulletin.

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