



MAINTENANCE MANUAL

VOLUME 1

GENERAL INFORMATION

NOTICE

The instructions set forth in this manual, as supplemented or modified by [Alert Service Bulletins](#) (ASB) or other directions issued by Bell Helicopter Textron Inc. and [Airworthiness Directives](#) (AD) issued by the applicable regulatory agencies, shall be strictly followed.

Bell helicopter

A Textron Company

POST OFFICE BOX 482 • FORT WORTH, TEXAS 76101



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REVISION 13 — 16 SEPTEMBER 2010

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THIS MANUAL APPLIES ONLY TO HELICOPTERS AND COMPONENTS MAINTAINED IN ACCORDANCE WITH BELL HELICOPTER TEXTRON (BELL) APPROVED PROCEDURES USING BELL APPROVED PARTS.

ALL INSPECTION, REPAIR AND OVERHAUL PROCEDURES PUBLISHED BY BELL, INCLUDING PART RETIREMENT LIFE, ARE BASED SOLELY ON THE USE OF BELL PARTS THAT HAVE BEEN MAINTAINED USING BELL APPROVED DATA. THE DATA PUBLISHED HEREIN OR OTHERWISE SUPPLIED BY BELL IS NOT APPLICABLE TO NON-BELL PARTS OR PARTS THAT HAVE BEEN REPAIRED USING DATA AND/OR PROCESSES NOT APPROVED BY BELL.

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IF YOU IDENTIFY OR SUSPECT THE USE OF PARTS NOT AUTHORIZED BY BELL, EITHER REMOVE THE AFFECTED ITEM FROM THE AIRCRAFT OR OBTAIN INSTRUCTIONS FOR CONTINUED AIRWORTHINESS FROM THE MANUFACTURER OR THE ORGANIZATION THAT APPROVED THE REPAIR.

CUSTOMER SUPPORT AND SERVICES

Flying smart means that no matter where you are, or what time it is, you can make a call and get additional information, clarification, or advice on a technical or operational issue concerning your helicopter or information contained in our Technical Publications. Product Support Engineering (PSE) is just a phone call away and may be contacted as follows:

Model 206 or 407

Phone: 450-437-2862 or 800-243-6407 (U.S./Canada)

Fax: 450-433-0272

E-mail: pselight@bellhelicopter.textron.com

Model 222, 230, 427, 429, or 430

Phone: 450-437-2077 or 800-463-3036 (U.S./Canada)

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Fax: 450-433-0272

E-mail: psemedium@bellhelicopter.textron.com

Model 214, 210, HUEY II and All Bell's Active and Surplus Military Medium Helicopter Models

Phone: 817-280-3548

Fax: 817-280-2635

E-mail: mts-medium@bellhelicopter.textron.com

Model OH-58, TH-67, TH-57, Both Active and Surplus Military

Phone: 817-280-3548

Fax: 817-280-2635

E-mail: mts-light@bellhelicopter.textron.com

For additional information on Customer Support and Services as well as Product Support Engineering (PSE) and your local Customer Service Representative (CSR) network, please access <http://www.bellhelicopter.com/en/support>.

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H ELP

E VALUATE

L OGISTICS

P UBLICATIONS

Have you found something wrong with this manual — an error, an inconsistency, unclear instructions, etc.? Although we strive for accuracy and clarity, we may make errors on occasion. If we do and you discover it, we would appreciate your telling us about it so that we can change whatever is incorrect or unclear. Please be as specific as possible.

Your complaint or suggestion will be acknowledged and we will tell you what we intend to do.

You may use the enclosed Customer Feedback form, as applicable, to inform us where we have erred.

Your assistance is sincerely appreciated.

CUSTOMER FEEDBACK

RETURN VIA FAX TO PRODUCT SUPPORT ENGINEERING (450) 433-0272

Manual Title: _____

Manual Number (if assigned): _____

Date of Issue: _____

Date of Last Revision: _____

Section, Chapter, Paragraph Affected: _____

Your Feedback: _____

Now Reads: _____

Should Read: _____

Your Name: _____

Address: _____

Position: _____ **Telephone No.:** _____

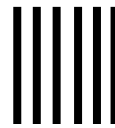
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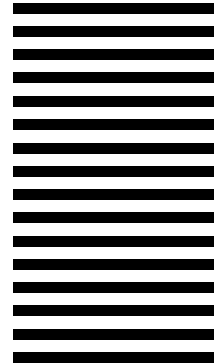
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Mirabel Québec, Canada, J7J 1R4



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IMPORTANT
HELICOPTER SALE NOTICE

Please complete this Form and return by Mail or FAX (450-433-0272, Attention: CPDC) to **Bell Helicopter Textron**. This will ensure that the New Owners receive updates to their ***Bell Helicopter Technical Manuals*** and ***Bulletins***.

Model of Helicopter Sold or Purchased _____

Bell Serial Number _____

Registration Number _____

Company or Individual who purchased Helicopter _____

Address _____

City _____

State _____

Zip Code _____

Country _____

FAX No. _____ Telephone No. _____

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From _____



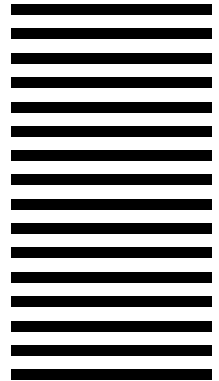
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SPARE PARTS WARRANTY

ONE YEAR/1,000 HOURS PRORATED

WARRANTY AND REMEDY: Seller warrants each new helicopter part or helicopter part reconditioned by seller to be free from defect in material and workmanship under normal use and service and if installed on Bell model helicopters. Seller's sole obligation under this warranty is limited to replacement or repair of parts which are determined to Seller's reasonable satisfaction to have been defective with 1,000 hours of operation or one (1) year after installation, whichever occurs first and reimbursement of reasonable freight charges. After 200 hours of use, there will be a prorated charge to the Purchaser for replacement parts (prorating the hours of total use against the then applicable part life or 2,000 hours, whichever is the lesser). Defective parts must be reported in writing to the Seller's Warranty Administration within 90 days of being found defective. Replacement of parts may be with either new or reconditioned parts, at Seller's election. Warranty adjustment is contingent upon the Purchaser complying with the Warranty Remedies as described in the Commercial Warranty Information brochure and the Seller's Warranty Administration disposition instructions for defective parts. Failure to comply with all of the terms of this paragraph may, at Seller's sole option, void this warranty.

NOTE: Parts, components and assemblies of all new helicopters may have been restored or reworked due to marks, blemishes, dents or other irregularities during the manufacturing process. Such restoration and/or rework is permitted under Seller's approved manufacturing and engineering processes and guidelines. The restoration and/or rework so completed does not render such items defective in material or workmanship.

THIS WARRANTY IS GIVEN AND ACCEPTED IN PLACE OF (i) ALL OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OR CONDITIONS OF MERCHANT ABILITY AND FITNESS FOR A PARTICULAR PURPOSE AND (ii) ANY OBLIGATION, LIABILITY, RIGHT, CLAIM OR REMEDY IN CONTRACTOR IN TORT (DELICT), INCLUDING PRODUCT LIABILITIES BASED UPON STRICT LIABILITY, NEGLIGENCE, OR IMPLIED WARRANTY IN LAW.

This warranty is the only warranty made by Seller. The Purchaser's sole remedy for a breach of this warranty or any defect in a part is the repair or replacement of helicopter parts and reimbursement of reasonable freight charges as provided herein. Seller excludes liability, whether as a result of a breach of contract or warranty, negligence or strict product liability, for incidental or consequential damages, including without limitation, damage to the helicopter or other property, costs and expenses resulting from required changes or modifications to helicopter components and assemblies, changes in retirement lives and overhaul periods, local customs fees and taxes, and costs or expenses for commercial losses or lost profits due to loss of use or grounding of helicopters or otherwise.

Seller makes no warranty and disclaims all liability in contract or in tort (delict), including, without limitation, negligence and strict tort (delictual) liability, with respect to work performed by third parties at Purchaser's request and with respect to engines, engine accessories, batteries, radios, and avionics, except Seller assigns each manufacturer's warranty to Purchaser to the extent such manufacturer's warranty exists and is assignable.

This warranty shall not apply to any helicopter part which has been repaired or altered outside Seller's factory in any way so as, in Seller's judgment, to affect its stability, safety or reliability, or which has been subject to misuse, negligence or accident, or which has been installed in any aircraft which has been destroyed unless that helicopter has been rebuilt by Bell. A list of destroyed aircraft is obtainable from Bell Product Support. Repairs and alterations which use or incorporate parts and components other than genuine Bell parts or parts approved by Bell for direct acquisition from sources other than Bell itself are not warranted by Bell, and this warranty shall be void to the extent that such repairs and alterations, in Seller's sole judgment, affect the stability, safety or reliability of the helicopter or any part thereof, or damage genuine Bell or Bell-approved parts. No person, corporation or organization, including Bell Customer Service Facilities, is authorized by Seller to assume for it any other liability in connection with the sale of its helicopters and parts.

NO STATEMENT, WHETHER WRITTEN OR ORAL, MADE BY ANY PERSON, CORPORATION OR ORGANIZATION, INCLUDING BELL CUSTOMER SERVICE FACILITIES MAY BE TAKEN AS A WARRANTY NOR WILL IT BIND SELLER.

Seller makes no warranty and disclaims all liability with respect to components or parts damaged by, or worn due to, corrosion. Seller makes no warranty and disclaims all liability for consumables (wear items) which are defined as items required for normal and routine maintenance or replaced at scheduled intervals shorter than the warranty period. "Consumables" include but are not limited to engine and hydraulic oil, oil filters, packings and o-rings, anti-corrosion and/or sealing compounds, brush plating material, nuts, bolts, washers, screws, fluids, compounds, and standard aircraft hardware that is readily available to aircraft operators from sources other than Seller.

All legal actions based upon claims or disputes pertaining to or involving this warranty including, but not limited to, Seller's denial of any claim or portion thereof under this warranty, must be filed in the courts of general jurisdiction of Tarrant County, Texas or in the United States District Court for the Northern District of Texas, Ft. Worth Division located in Ft. Worth, Tarrant County, Texas. In the event that Purchaser files such an action in either of the court systems identified above, and a final judgment in Seller's favor is rendered by such court, then Purchaser shall indemnify Seller for all costs, expenses and attorneys' fees incurred by Seller in defense of such claims. In the event Purchaser files such a legal action in a court other than those specified, and Seller successfully obtains dismissal of that action or transfer thereof to the above described court systems, then Purchaser shall indemnify Seller for all costs, expenses and attorneys' fees incurred by Seller in obtaining such dismissal or transfer.

January 2007

BULLETIN RECORD

All Alert Service Bulletins and Technical Bulletins issued prior to and including the bulletins listed below have been incorporated in this revision/reissue or previously published editions of this manual, as applicable. Subsequent bulletins will be incorporated in future revisions/reissues.

ALERT SERVICE BULLETINS

ASB NUMBER	SUBJECT	DATE REISSUE
212-96-101	Tail rotor yoke P/N 212-011-702-All inspection of; and tail rotor flapping stop/yield indicator P/N 212-011-713-103 installation of:	09-03-96

TECHNICAL BULLETINS

TB NUMBER	SUBJECT	DATE REISSUE
212-95-156	Pillow Block Bushing 204-011-135-105 Increase in Retirement Life	09-18-95

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