



A Subsidiary of Textron, Inc.

March 21, 2007

### **INFORMATION LETTER 214ST-07-21**

**TO: All Owners/Operators of Bell 214ST Helicopters**

**SUBJECT: INFORMATION LETTER GEN-07-110 AND HYDROSTATIC TEST REQUIREMENTS FOR P/N 214-073-814 EMERGENCY FLOTATION SYSTEM RESERVOIR ASSEMBLY**

Information Letter GEN-07-110, dated 2/16/07, cancelled Information Letter GEN-93-52. I.L. GEN-93-52 addressed inspection requirements for pressure vessels and pyrotechnic squibs used in several Bell Helicopter models, including the 214ST.

214ST operators are reminded that all of the relevant data from I.L. GEN-93-52 has not been fully incorporated into the 214ST Maintenance Manual at this time. Further, some of the information contained in I.L. GEN-93-52 relative to the 214ST is not current. Attached is an updated summary sheet which may be used pending a formal manual revision. Customers should contact BHT Product Support Engineering at telephone 817-280-3528, facsimile 817-280-2635, or via email at [psemil214@bellhelicopter.textron.com](mailto:psemil214@bellhelicopter.textron.com), for clarification of any requirements.

One of the changes noted on the attached summary is an extension to the hydrostatic test interval for the emergency flotation system reservoir. The P/N 214-073-814 reservoir assembly may contain either a P/N 222-325-021-101 or a P/N 222-025-875-101 Reservoir Assembly. United States Department of Transportation (DOT) Special Permit number DOT-SP 8162, which applies to both 222 part numbers above, was recently revised to increase the hydrostatic test interval from 3 to 5 years for cylinders manufactured or retested on, or after, 1 July 2006. Cylinders manufactured or retested prior to 1 July 2006 must be retested at the 3 year interval until their first retest after 1 July 2006, at which time they become eligible for the 5 year interval.

**MODEL 214ST  
HYDROSTATIC TEST AND LIFE LIMIT REQUIREMENTS  
EMERGENCY FLOAT, LIFE RAFT, AND ENGINE FIRE EXTINGUISHER SYSTEM RESERVOIRS,  
ENGINE FIRE EXTINGUISHER AND RESCUE HOIST PYROTECHNIC SQUIBS**

<b>PART NUMBER</b>	<b>CYLINDER SPEC.</b>	<b>HYDROSTATIC TEST PERIOD</b>	<b>LIFE LIMIT</b>	<b>NOTES</b>
<i>EMERGENCY FLOAT SYSTEM CYLINDER</i>				
222-325-021-101 Superseded by 222-025-875-101	DOT-SP 8162	3 Years or 5 Years on or after 7/1/06 <sup>1</sup>	15 Years	5 year interval applies to new or used cylinders which have been hydrostatically tested on or after 7/1/06 <sup>1</sup>
<i>LIFE RAFT EJECTION CYLINDER</i>				
6400-001	DOT-SP 8059	3 Years	15 Years	
44000-1	DOT-SP 11025	3 Years	20 Years	
<i>LIFE RAFT INFLATION CYLINDER</i>				
Inflation cylinders, contained within the life raft assembly, have a 5 year hydrostatic test period. Hydrostatic testing is accomplished each 5 years during the raft assembly's annual inspection and re-certification.				
<i>ENGINE FIRE EXTINGUISHER CONTAINER</i>				
214-069-980-101, -103, & -105	DOT-E 7945	5 Years	N/A	
<i>ENGINE FIRE EXTINGUISHER SQUIB</i>				
13083-5	N/A	N/A	6 Years	6 Years is any combination of storage and in-service use
<i>RESCUE HOIST CABLE CUTTER SQUIB</i>				
See Info Letter 214ST-03-19 for correct part number	N/A	N/A	5 Years	5 Years is any combination of storage and in-service use

<sup>1</sup> The 3 year overhaul and recertification of the P/N 214-073-929 or -940 float inflation valve assembly is not affected by increase in the reservoir hydrostatic test interval.