



INFORMATION LETTER

214-12-13
30 January 2012

TO: All owners and operators of Model 214B/B-1 helicopters

SUBJECT: TRANSMISSION SPINDLE ASSEMBLY, P/N 214-030-606-103, CRACK

Bell Helicopter recently investigated a cracked 214ST transmission spindle assembly which experienced a circumferential crack approximately 0.29 inches from the outboard end of the spindle barrel.

Examination revealed the crack was the result of stress corrosion cracking originating from an area in the spindle internal threads coinciding with the last engaged thread of the bolt securing the inner race of the nodal beam pivot bearing to the spindle. The attaching bolt and locking washer were undamaged. The crack was undetected until load was removed from the transmission and the nodal support beam rotated.

This is the first report of spindle crack in this location on any 214 and was found on a helicopter operating in a very humid environment. While the 214B uses the P/N 214-030-606-005 Spindle Assembly, the -103 and -005 are similar in design and this information letter is issued to advise owners/operators of this occurrence.

For any questions regarding this letter, please contact:

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