

Robinson Helicopter Company

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MANDATORY SERVICE BULLETIN

DATE: February 19, 1981

TO: All Owners and Operators of Robinson R22 Helicopters

SUBJECT: Ice Blockage of Engine Breather Tube

ROTORCRAFT AFFECTED: R22 Serial No. 0002 thru 0100

TIME FOR COMPLIANCE: Immediate if operating in severe icing conditions,
otherwise, at next 100-hour inspection.

BACKGROUND: A case has been reported where ice blocked the lower end of the engine crankcase breather tube. The resulting pressure buildup blew out the crankshaft nose seal, causing loss of engine oil pressure.

MODIFICATION PROCEDURE:

- 1) Remove the right-hand engine compartment panels.
- 2) Locate the engine breather vent tube. The tube is 3/4" in diameter and gray in color, with a 60° angle cut facing aft at the lower end which protrudes below the fuselage at the forward end of the engine compartment.
- 3) Drill two 1/8" holes in the tube 1/4" apart just below the bend in the upper portion of the tube as shown on the attached sketch.
- 4) Deburr holes and replace the right-hand panels.

FAA APPROVED: February 19, 1981

NOTES:

