

SERVICE BULLETIN #54

DATE: 20 November 1986

TO: All R22 Owners and Operators

SUBJECT: Caution Decal for Carburetor Air Temperature Gage

ROTORCRAFT AFFECTED: S/N 0002 thru 0602, + 0604 + 0610

TIME OF COMPLIANCE: Within the next 5 flight hours or by 10
December 1986, whichever occurs first.

BACKGROUND: Applying partial carb heat to prevent ice by keeping the CAT gage out of the yellow is only effective during hover, climb and cruise when the ice tends to form in the carburetor venturi or on the upstream side of the throttle butterfly. That is where the temperature probe is located. It is not effective when the throttle is closed and a large pressure and temperature drop occurs across the throttle butterfly allowing ice to form on the downstream side of the butterfly. Ice can occur at that point even though the CAT gage is indicating a temperature well above the yellow arc.

COMPLIANCE PROCEDURE:

Install the enclosed decal on the face of the CAT gage over the present decal. Advise all pilots of the new decal and insure that they have read and understand the enclosed caution memo dated 5 December 1985.

Enclosures: Decal for CAT gage
Caution Memo dtd 5 Dec. 85

Approximate Cost of Compliance: Nil