

SERVICE BULLETIN SB-82

DATE: 03 March 1997

TO: All R22 Beta II and Mariner II Owners, Operators, and Service Centers

SUBJECT: Carburetor Replacement

ROTORCRAFT AFFECTED: R22 Helicopters S/N 2571 through 2664

TIME OF COMPLIANCE: By 31 May 1997

BACKGROUND: The O-360 engines in the Beta II have been found to run unacceptably rough. The MA-4SPA model carburetor has recently been certified to replace the MA-4-5 carburetor on the O-360 engine. Installation of this carburetor will allow the engine to run more smoothly, reduce fuel consumption, and eliminate the need for leaning.

COMPLIANCE PROCEDURE:

- 1) Reference helicopter serial number and order one KI-114 kit. (Kit includes an MA-4SPA carburetor and a remarked carburetor air temperature gage.)
- 2) Replace carburetor and CAT gage per instructions in KI-114 kit.
- 3) Update Pilot's Operating Handbook Supplement 7 (for Beta II) or Supplement 8 (for Mariner II) with revision dated 06 February 1997 or later. (Do not revise Handbook until KI-114 kit is installed.)

APPROXIMATE COST:

Labor: 5 manhours

Parts: A \$1300 deposit is required when ordering the KI-114 Kit. The deposit will be refunded provided the replaced MA-4-5 carburetor and old CAT gage are returned to RHC within 15 days after receipt of the KI-114 Kit.

Note: This offer will expire on 31 May 97.