

R44

SERVICE LETTER #8

DATE: 26 December 1995

TO: R44 Owners, Operators and Service Centers

SUBJECT: Cyclic Trim Elastic Cord

ROTORCRAFT AFFECTED: R44 Helicopters S/Ns 0004 thru 0225

BACKGROUND: RHC has determined the best performance of the longitudinal trim system is achieved when a C918-7 bungee is installed and proper piloting technique is used to trim helicopter.

COMPLIANCE PROCEDURE:

Part A: Performed by mechanic

- 1) Remove C445-1 panel located between front seats.
- 2) Verify that a C918-7 elastic cord is installed. If a C918-7 cord is not installed, remove existing cord and replace with C918-7 per Section 8.131 of the R44 Maintenance Manual (MM).
- 3) Re-install C445-1 panel.

Part B: Performed by pilot

- 1) Calculate and load helicopter to most aft CG obtainable with full fuel and 1 pilot per Section 6 of R44 Pilot's Operating Handbook.
- 2) Perform inflight trim system check by entering autorotation and stabilizing airspeed at 100 KIAS and 100 % rotor RPM. Use cyclic trim button to remove any stick forces present.
- 3) If aft stick force cannot be removed with cyclic trim button, have forward elastic cord replaced with next weaker cord or remove completely, as required.
- 4) Repeat step 2 and also verify there is no forward stick force when hovering with forward CG.
- 5) Advise pilots that cyclic trim switch must be used only to remove stick forces present in steady flight, not to move cyclic during normal maneuvering. Wait for system to respond after briefly pushing trim switch.

Approximate Cost:

Parts: \$52.00 (if required)

Labor: 1 manhour