

R44

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SERVICE BULLETIN SB-26

DATE: 31 Jan 1998

TO: All R44 Owners, Operators, and Service Centers

SUBJECT: Lateral Cyclic Trim Assembly

ROTORCRAFT AFFECTED: R44 Helicopters S/N 0002 thru 0420 and 0425, 0426, and 0427.

TIME OF COMPLIANCE: Within next 10 flight hours and every 20 flight hours thereafter until C056-1 spring assembly is replaced with Revision H or subsequent. C056-1 must be replaced no later than 31 Mar 1998.

BACKGROUND: RHC has received reports of excessive C585-1 shaft wear. Excessive wear can cause binding of the flight controls. The KI-129 kit contains a redesigned C056-1 spring assembly with Teflon-lined bearings to prevent excessive wear or galling.

COMPLIANCE PROCEDURE:

1. Switch cyclic trim system on. Push and hold cyclic stick against right stop until motor stops, then switch trim off. (This will apply maximum right trim.)
2. Remove avionics from mounting trays. Detach intercom system from C641 avionics face and remove avionics face.
3. Remove radio rack (not necessary to disconnect airframe wiring from radio trays to remove radio rack).
4. Move cyclic stick to left stop to compress trim spring and expose upper part of shaft.
5. Refer to Figure 1. Measure shaft diameter in several places. If shaft diameter varies more than 0.004 inches in any 0.50 inch of length, C056-1 spring assembly must be replaced before further flight.
6. If shaft diameter is within limits specified above, clean and lubricate with A257-1 grease.

(OVER)

7. Install radio rack, avionics face, and avionics.
8. Order KI-129 Kit (reference helicopter serial number).
9. Replace C056-1 spring assembly per kit instructions and enter SB-26 complied with in aircraft logbook. Return old C056-1 spring assembly to RHC.

Approximate Cost:

- Labor: 0.5 manhours for inspection.
2.0 manhours for installation of KI-129 kit.
- Parts: \$650 for KI-129 Kit.
\$500 refund if old parts returned to RHC by 28 Feb 98.
(\$650 refund if under warranty).

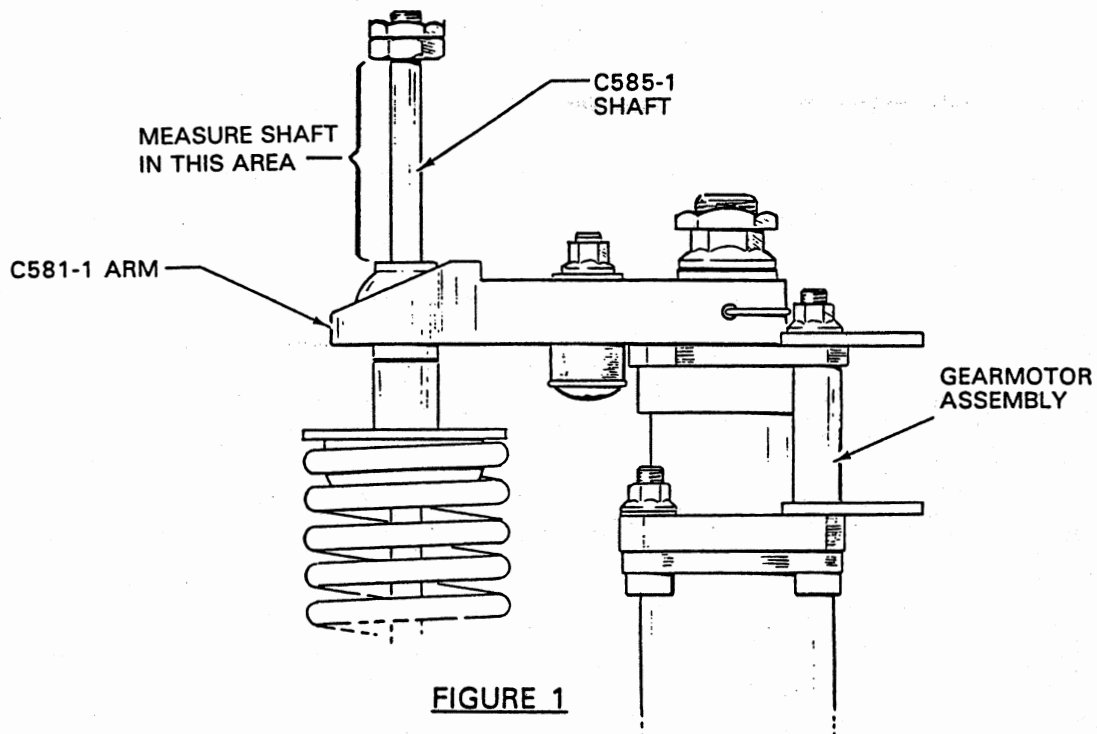


FIGURE 1

THE DESIGN ENGINEERING ASPECTS OF THIS BULLETIN HAVE BEEN SHOWN TO COMPLY WITH APPLICABLE FEDERAL AVIATION REGULATIONS AND ARE FAA APPROVED.