

SERVICE LETTER #7

Date: September 27, 1980

To: All Owners and Operators of Robinson R22 Helicopters

Subject: Inspection of Long Tail Rotor Drive Shaft

Rotorcraft Affected: R22 Serial #0002 thru 0058

Time of Compliance: Immediate - Complete inspection prior to
next flight.

Reason: Excessive runout of the long tail rotor drive shaft
has been detected on several aircraft.

INSPECTION PROCEDURE:

1. Remove the five inspection plug covers from the right side of the tailcone.
2. Visually inspect tail rotor drive shaft for marks indicating contact with the tailcone bulkheads.
3. Manually rotate drive system and check the tail rotor drive shaft for runout using a dial indicator or other suitable device. The maximum runout should not exceed .015 inches.
4. With a mechanic observing the shaft thru the inspection holes, start the helicopter and vary the RPM from idle to 105%.
5. While the RPM is varied from idle to 105%, check for excessive vibration by touching tailcone with your fingertips.
6. Reinstall inspection covers and call Duke Pearson or Frank Robinson at (213) 539-0508 to report inspection results.