

SERVICE BULLETIN #32

Date: 7 June 1983

To: R22 Owners and Operators

Subject: Actuator Drive Screw

Rotorcraft Affected: Aircraft with A051 Actuator Component serial numbers 152 thru 346 installed. (Note: These are actuator serial numbers not aircraft serial numbers. The serial number is on the actuator identification plate.)

Time for Compliance:

- a) Within the next 25 flight hours for aircraft with over 400 hours time in service.
- b) Prior to reaching 400 hours or by July 31, 1983, whichever occurs first, for aircraft with less than 400 hours time in service.

Background: The A506-1 Drive Screws installed in these actuators were not properly heat treated and could fail in service.

Compliance Procedure:

Order the Actuator Drive Screw Replacement Kit #23 through your R22 Dealer or directly from the factory. The kit includes the drive screw, gear, and bearing assembly, ready to install, plus the O-ring, lubricant, sealant, work aids, and instructions necessary for installation. Following past policies, the price of the kit has been discounted 60% to \$65. Aircraft still under warranty as of this date may obtain the kits without charge.

It will not be necessary to remove the actuator from the aircraft to replace the drive screw. The mechanic manhours required are approximately two hours for replacing the screw.