

R44

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SERVICE LETTER #1

DATE: 24 May 1994
TO: All R44 Owners and Operators
SUBJECT: Adjustment of main rotor spindle boot and fluid level
ROTORCRAFT AFFECTED: R44 Helicopter S/N's 0006 thru 0070

BACKGROUND: RHC has received reports concerning rubbing between the main rotor blade spindle boots and the main rotor hub. Continued rubbing could result in perforation of the boot and subsequent loss of the spindle bearings' lubricant. To prevent rubbing, a tool has been developed to allow adjustment of the fluid content with the blades installed on the helicopter.

COMPLIANCE PROCEDURE: (2 people required)

- 1) Procure MT549-1 and MT549-2 tools from RHC Customer Service.
- 2) Position cyclic and collective at approximately mid-travel positions to minimize wrinkles in boots.
- 3) Insert two (2) MT549-1 spacers between hub and boot with gaps at top and bottom (refer to figure on page 2). Spacers should fit in recess of boot.
- 4) Hold spacers in place against boot and insert MT549-2 plate from top between hub and spacers while a second person removes the lower plug from the pitch horn. Place a finger over the hole as soon as the plug is removed to prevent air from being sucked inside the blade.
- 5) Reduce finger pressure on hole and allow oil to escape as plate is pushed fully down.
- 6) Remove finger from hole and quickly install drain plug. Torque to 60-80 in-lbs (includes self-locking torque).
- 7) Remove plate and spacers.
- 8) Repeat on second blade.

Approximate Cost:

PARTS: \$25.00 for MT549-1 & -2 tools

LABOR: .5 manhours

(OVER)

