

R44

SERVICE BULLETIN SB-10

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DATE: 11 September 1995

TO: All R44 Owners, Operators, and Service Centers

SUBJECT: Upper and Lower Swashplate Fork and Arm Linkage Assemblies

ROTORCRAFT AFFECTED: R44 helicopters S/N 0001 thru 0206, and S/N 0208, 0210 & 0212

TIME OF COMPLIANCE: Within next 25 flight hours

BACKGROUND: RHC has received one report of wear on the C204-1 arm attach bolt due to the bolt rotating in the arm. It is essential that the C204-1 arm rotates with the bolt and B115-1 bearing balls. This bulletin requires a one-time inspection of swashplate fork and arm (scissor) linkages for proper function.

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COMPLIANCE PROCEDURE:

- 1) Reference R44 Maintenance Manual (MM) Figure 8-10 dated 12 Dec 94, item 16. Using a felt-tipped pen or equivalent, mark eight B115-1 bearing balls adjacent to bolt head or nut on both upper and lower swashplate scissor linkages.
- 2) Observe the scissor linkages while having someone raise and lower collective. Verify at each of the four scissor linkage rotating joints (both ends of the A204 & C204 arms) that the bolt, bearing balls, spacers, and arm all rotate together.
- 3) Disassemble any scissor linkage rotating joint failing Step 2 inspection. Replace any worn parts and replace affected bearings per R44 MM Section 8.620.
- 4) Report details of any scissor linkage rotating joint failing Step 2 inspection to RHC Technical Support, including R44 serial number, part time in service, and operating conditions.

Approximate Cost:

Labor: 0.2 manhours (inspection only)

Parts: None required