

R44

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SERVICE BULLETIN SB-25

DATE: 01 October 1997

TO: All R44 Owners, Operators, and Service Centers

SUBJECT: Oil line elbows

ROTORCRAFT AFFECTED: R44 Helicopters S/N 0001 thru 0330

TIME OF COMPLIANCE: Within next 50 flight hours or by 30 Nov 97, whichever occurs first.

BACKGROUND: RHC has received two reports of cracking of the aluminum elbows which connect the oil cooler lines to the engine accessory case. A broken elbow could cause loss of oil pressure and subsequent engine failure.

COMPLIANCE PROCEDURE:

Inspect both elbows connecting A723 oil cooler lines to engine accessory case. Replace aluminum (blue colored) MS20822-8D (90 degree) and AN823-8D (45 degree) elbows with steel MS20822-8 (90 degree) and MS20823-8 (45 degree) elbows. If color is difficult to distinguish, use magnet to determine elbow material. Apply B270-6 thread sealant/lubricant to replacement elbow pipe threads. Torque per Section 1.320 of R44 Maintenance Manual Change 4 (dated 1 Jun 97) or later.

Approximate Cost:

Labor: 0.2 manhours for inspection
2.0 manhours if elbows require replacement

Parts: No charge if ordered by 30 Nov 97. Order must include helicopter serial number (or RHC shipping invoice number if replacing spares).

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