

R44

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**SERVICE BULLETIN SB-38**

**DATE:** 3 March 2000

**TO:** All R44 Owners, Operators, and Service Centers

**SUBJECT:** Hydraulic Reservoir Sequence Valve Inspection

**ROTORCRAFT AFFECTED:** R44 Helicopters S/N 0653, 0655, 0661, 0664, 0665, 0667 thru 0678, 0680 thru 0696, 0698, 0699, 0701 thru 0713, 0715, 0719, 0720, and 0722.

**TIME OF COMPLIANCE:** Within next 25 flight hours or by 31 March 2000, whichever occurs first.

**BACKGROUND:** A hydraulic reservoir sequence valve failed under pressure during testing at the factory due to improper installation of the valve cap retaining ring. An in-flight failure would cause sudden loss of hydraulic pressure. Inspection of the retaining ring is required to verify proper installation.

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**COMPLIANCE PROCEDURE:**

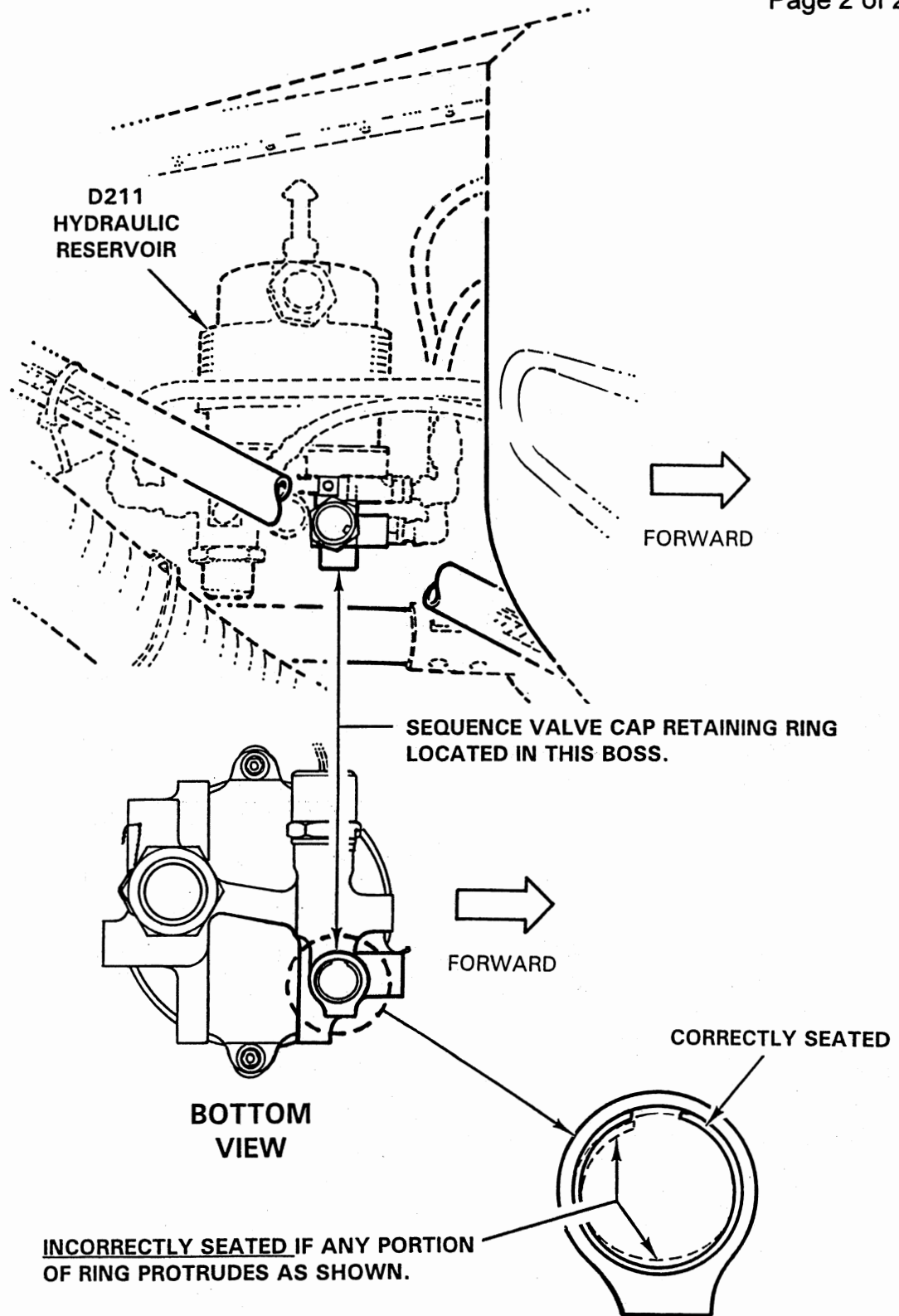
1. Refer to figure on page 2. Using an inspection mirror and flashlight, inspect sequence valve cap retaining ring on bottom of D211 hydraulic reservoir. Verify ring is fully seated in groove. Ring should protrude equally from groove all around.
2. If ring is not properly seated, use a cylindrical tool of 0.620 inch to 0.670 inch outside diameter (a standard 7/16 inch socket should work) and push up firmly on retaining ring, then repeat step 1.
3. If unable to fully seat retaining ring or unsure of proper retaining ring installation, contact RHC Technical Support.
4. Make appropriate maintenance record entries.

**APPROXIMATE COST:**

Parts: None Required

Labor: 0.2 Manhour

-OVER-



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