

SERVICE BULLETIN SB-40

DATE: 12 September 2000

TO: All R44 Owners, Operators, and Service Centers

SUBJECT: Emergency Pop-Out Float Pressure Cylinder Valve

ROTORCRAFT AFFECTED: R44 Helicopters with emergency pop-out floats thru S/N 0848 except S/N 0748, 0811, 0816, 0828, 0829, and 0831.

TIME OF COMPLIANCE: By 30 November 2000.

BACKGROUND: During a functional test of emergency pop-out floats, the floats failed to inflate due to a stuck pressure cylinder valve. This bulletin requires all pressure cylinder valves to be upgraded to ensure that the system will function properly.

COMPLIANCE PROCEDURE:

NOTE: Use R44 Maintenance Manual (MM) change 8 dated 31Jan 00 or later.

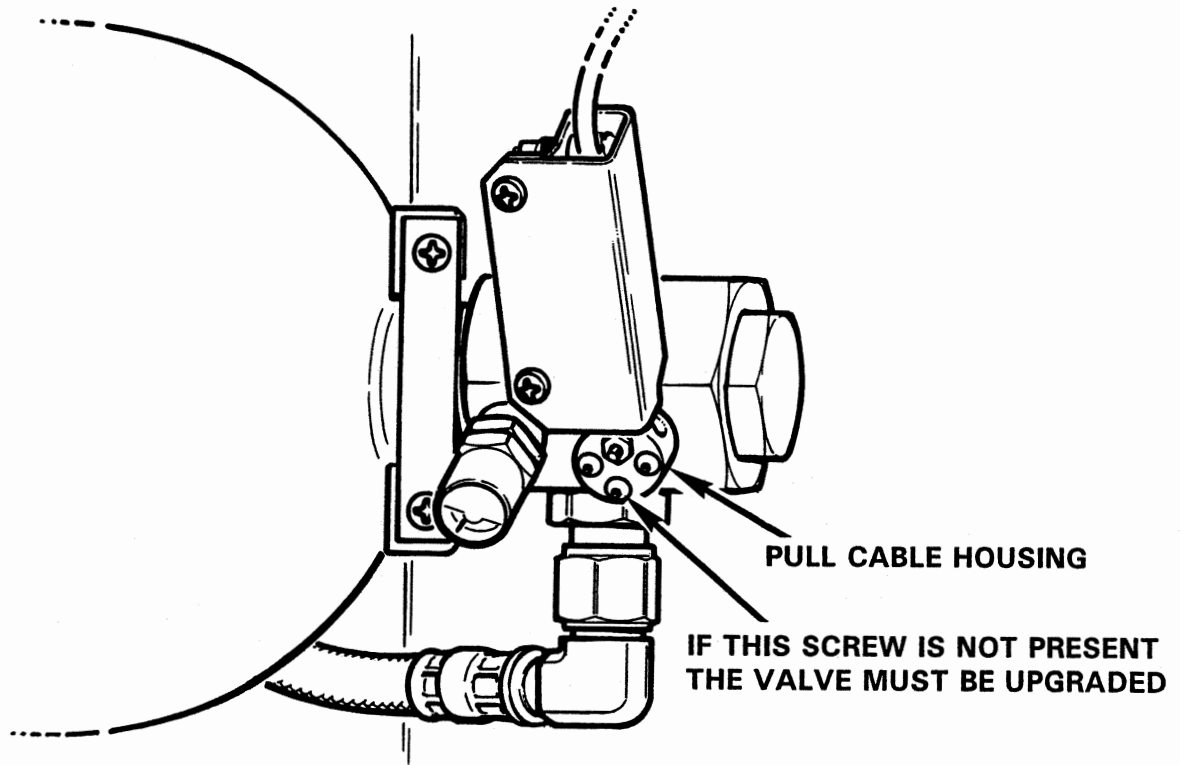
1. Order replacement D679-1 cylinder assembly and KI-151 cylinder pressure bleed-off kit from RHC Customer Service.
2. Depressurize cylinder using bleed fitting and instructions supplied in KI-151 kit.
3. Remove pressure cylinder per R44 MM section 5.660.
4. Install new D679-1 pressure cylinder per R44 MM section 5.670.
5. Ship empty cylinder and bleed fitting to RHC.

NOTE: Upgraded valves can be identified by the number of screws retaining the pull cable housing. If there are two hold-down screws, the valve requires upgrading. Three screws indicate upgraded valve. See figure on page 2.

Approximate Cost:

Parts: No charge. \$4500 core charge will be refunded when affected cylinder assembly and bleed fitting is received by RHC.

Labor: 1.0 manhour.



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