

**R44**

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**SERVICE BULLETIN SB-47**

**DATE:** 20 June 2003

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

**SUBJECT:** R44 II Fuel Control Inlet Fitting

**ROTORCRAFT AFFECTED:** R44 Helicopters S/N 10001 thru 10099 except S/N 10016, 10033, 10085, 10087, and 10092.

**TIME OF COMPLIANCE:** Within next 10 flight hours or by 31 July 2003, whichever occurs first.

**BACKGROUND:** RHC has received a report of a failed aluminum tee fitting at the R44 II fuel control inlet. Failure of the fitting causes fuel leakage and possible loss of engine power. This service bulletin requires installation of a stainless steel fitting.

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**COMPLIANCE PROCEDURE:**

NOTE: Use R44 Maintenance Manual (MM) change 9 dated Feb 2003 or later and R44 Illustrated Parts Catalog (IPC) revised Feb 2003 or later.

- 1 Order P/N 6602-04-04-04-SS stainless steel tee fitting from RHC Customer Service.
- 2 Reference R44 IPC Figure 4-31D. Disconnect P/N 926104ERL aluminum tee from fuel control inlet per R44 MM section 6.490 steps 1 thru 4.
3. Disconnect B283-8 and B283-9 fuel hoses from tee, and discard tee
4. Connect P/N 6602-04-04-04-SS stainless steel tee to fuel control inlet and connect B283-8 and B283-9 hoses to tee. Torque all three connections to 135-150 in. lb and torque stripe.
5. Turn fuel shut-off valve on and run electric fuel pump until AUX FUEL PUMP warning light extinguishes. Verify no fuel leaks at tee.
6. Reinstall air intake hose and right cowling
- 7 Make appropriate maintenance record entries

**Approximate Cost:**

Parts No charge if ordered by 31 July 2003. Order must include helicopter serial number.

Labor: 1.0 man-hour.

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