

**R44**

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**SERVICE BULLETIN SB-55**  
(supersedes Service Bulletin SB-54)

**DATE:** 20 July 2005

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

**SUBJECT:** R44 II Fuel Control Reorientation

**ROTORCRAFT AFFECTED:** R44 II Helicopters S/N 10001 thru 10783 except S/N 10673, 10709, 10720, 10721, 10750, 10766, 10768, 10773, 10774, 10776, 10777, and 10778.

**TIME OF COMPLIANCE:** Within next 100 flight hours or by 1 November 2005, whichever occurs first.

**BACKGROUND:** RHC has experienced instances of engine roughness during run-up. The cause was fuel contamination of the fuel control regulator section due to an internal seal which is prone to leaking while the helicopter is parked. RHC has redesigned the fuel control installation to rotate the fuel control 90°, which makes it less susceptible to fuel or moisture contamination.

This service bulletin supersedes SB-54, which required replacement of the fuel control venturi. SB-54 need not be complied with as either venturi is now acceptable.

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**COMPLIANCE PROCEDURE:**

1. Order KI-178 Fuel Control Reorientation Kit, and upgrade fuel control installation per kit instructions.

**Approximate Cost:**

Parts: No charge if KI-178 kit ordered by 1 November 2005. Order must include helicopter serial number.

Labor: 9 man-hours.

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