

**R22**

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**SERVICE BULLETIN SB-83**

**DATE:** 04 March 1997

**TO:** All R22 Owners, Operators, and Service Centers

**SUBJECT:** Upgrade of Fuel Tank Vents

**ROTORCRAFT AFFECTED:** All R22 Helicopters manufactured prior to 1991 with fuel tank vent tube(s) in the mast fairing attached to both the mast tube and the rain scupper on the fuel tank cowling.

**TIME OF COMPLIANCE:** Within next 100 flight hours or by 31 May 1997, whichever occurs first.

**BACKGROUND:** RHC has received a report of loss of engine power due to fuel starvation caused by an obstructed fuel tank vent. The obstruction occurred at a kink in the flexible hose connecting the rigid vent tube to the tank. A kit is available to upgrade the vent(s) to a configuration not susceptible to kinking.

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**COMPLIANCE PROCEDURE:**

- 1) Visually inspect vent tube(s) in mast fairing. If each tube is attached only to mast tube at two locations, no further action is required.
- 2) If each tube is attached to mast tube at one location and to rain scupper (A032-16 Channel) on fuel tank cowling at another location, order upgrade kit from RHC. Order kit KI-118-1 for ships without auxiliary fuel tank, or kit KI-118-2 for ships with auxiliary fuel tank. Install vent(s) using instructions included with kit.

**APPROXIMATE COST:**

Labor: 1 manhour

Parts: \$65.00 for ships without auxiliary fuel tank.  
\$105.00 for ships with auxiliary fuel tank.