

R22 SERVICE BULLETIN SB-109A
(supersedes R22 SB-109)

DATE: 08 January 2014 **REV A:** 15 January 2018

TO: R22 owners, operators, and maintenance personnel

SUBJECT: Bladder Fuel Tank Retrofit

ROTORCRAFT AFFECTED: R22 helicopters S/N 0002 thru 4620, unless previously accomplished.

TIME OF COMPLIANCE: As soon as practical, but no later than next 2200-hour overhaul, 12-year inspection, or 15 January 2020, whichever occurs first.

BACKGROUND: This bulletin requires R22 helicopters with all-aluminum fuel tanks to be retrofitted with bladder-type tanks to improve the fuel system's resistance to a post-accident fuel leak. Current production and factory overhauled R22s now include bladder fuel tanks. Revision A is consistent with R44 Service Bulletin SB-78B, FAA-Approved in September 2012, which also specifies a "no later than" calendar time for bladder tank upgrades.

COMPLIANCE PROCEDURE:

R22s with main and auxiliary fuel tanks installed – Order one KI-217-1 kit from RHC Customer Service and install per kit instructions. Kit includes main and auxiliary bladder tanks, installation hardware, and hoses. Note: Retrofit requires substantial sheet-metal work. Paint refinishing for aesthetics may be desired. Kit instructions are available online at www.robinsoneheli.com.

R22s without auxiliary fuel tank installed – Contact RHC Technical Support for assistance.

Approximate Cost:

Parts: KI-217-1 kit list price of \$15,740 will be discounted to \$6400*. Reference helicopter serial number. Fuel tanks will be supplied painted white unless requested primed-only.

KI-217-1 kit is now included in 2200-hour overhaul kits ordered from the factory unless previously installed.

Labor: Approximately 40 man-hours (paint refinishing not included).

Rebate: An \$800 rebate for each field installation will be issued upon receipt of aircraft serial number, RHC invoice number, and a copy of the aircraft maintenance record showing the date of installation and installer's signature & certificate number.

* Normal Service Center discounts do not apply. (Refer to RHC 28 May 97 memo.)