

**R44 SERVICE BULLETIN SB-87**

**DATE:** 14 October 2014

**TO:** R44 Owners, Operators, and Maintenance Personnel

**SUBJECT:** B771-2 (Reusable) Air Filters

**ROTORCRAFT AFFECTED:** R44 helicopters with B771-2 revision C or prior engine air filters, and spare B771-2 revision C and prior filters. Affected filters were originally installed in R44 helicopters S/N 2310 thru 2374 except S/N 2359, 2366, 2367, and 2371.

**TIME OF COMPLIANCE:** Inspect B771-2 revision C or prior engine air filter prior to first flight of each day until replaced with B771-2 revision D or subsequent filter. Replace B771-2 revision C or prior filters by 31 December 2014.

**BACKGROUND:** RHC has received reports of B771-2 air filter felt gaskets coming loose after exposure to avgas. A loose gasket may obstruct carburetor inlet and cause power loss. Replace earlier filters with B771-2 revision D or subsequent filters; revision D filter gaskets are secured with a superior adhesive. C771-1 (disposable) air filters are not affected by this bulletin.

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**COMPLIANCE PROCEDURE:**

1. Open airbox and remove B771-2 air filter.
2. If B771-2 filter is revision C or prior, or if filter is not identified with revision letter:
  - a. Discard filter and install B771-2 revision D or subsequent filter, or
  - b. Prior to the first flight each day a mechanic or owner/operator (pilot) holding at least a private pilot certificate must inspect filter felt gaskets for security. If either gasket is loose, filter is unairworthy.
3. Close and secure airbox. Make appropriate maintenance record entries.
4. Remove all B771-2 revision C and prior filters and filters with no identifiable revision level from spares inventory.

**APPROXIMATE COST:**

Parts: \$98 for (1) B771-2 revision D filter. B771-2 revision C or prior filters and filters with no identifiable revision level may be returned to RHC for credit or exchange.

Include completed Component Return / Authorization form (available at [www.robinsonheli.com](http://www.robinsonheli.com) under the Customer Support tab); returned filters may be compacted to minimize shipping costs.

Labor: 0.5 man-hour.

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