

**R22 SERVICE LETTER SL-62**

**R44 SERVICE LETTER SL-46**

**DATE:** 03 July 2013

**TO:** R22 and R44 owners, operators, and maintenance personnel

**SUBJECT:** Cleanable Air Filters

**BACKGROUND:** Disposable A771-1 (R22) and C771-1 (R44) engine air filters have been superseded by reusable B771-1 and B771-2 filters with fuel-resistant metal frames. Clean reusable air filters as described below.

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**COMPLIANCE PROCEDURE:**

NOTE

Replace B771-1 and B771-2 air filters after 5 years or 600 flight hours, whichever occurs first.

Every 100-hour or annual inspection (or more frequently at operator's discretion):

1. Remove B771 air filter from airbox. Visually inspect filter and verify no obvious damage. Inspect filter's pleated media for cleanliness. If the media contains only dust, clean media using compressed air or water. Clean heavily soiled media using a mild soap & water solution.
  - a. Compressed air: Maintain at least one-inch distance between air nozzle and pleated media and apply less than 40 psi compressed air thru media opposite the normal direction of airflow.
  - b. Water: Apply less than 40 psi water stream thru media opposite the normal direction of airflow. Dry filter thoroughly using less than 160°F warm air.
  - c. Mild soap & water solution: Apply less than 40 psi water stream thru media opposite the normal direction of airflow. Soak filter in a mild soap and water solution for more than 15 minutes but less than 4 hours. Gently agitate filter in soap solution to help remove dirt. Apply less than 40 psi water stream thru media in both directions. Dry filter thoroughly using less than 160°F warm air.
2. Using a bright light, examine pleated media and verify no holes or tears.

(OVER)

3. Verify filter sealing surfaces are a smooth, continuous circle and flat.

NOTE

Do not install a wet air filter. Do not apply oil to filter media.

4. Install filter in airbox.

**Approximate Cost:**

Parts: \$89 for B771-1 air filter.  
\$98 for B771-2 air filter.