

SERVICE BULLETIN #61

DATE: 28 July 1989

TO: All R22 Owners and Service Centers

SUBJECT: Latches on Carburetor Air Box

ROTORCRAFT AFFECTED: R22 helicopters S/N 0885 thru 0948 and 0184, 0292, 0403, 0436, 0374, 0603, 0567, 0394, 0617, 0378, 0592, 0473, 0601, 0771 and any other R22 equipped with latches in place of bolts for retaining the carburetor air box cover.

TIME OF COMPLIANCE: Within the next 25 flight hours or by 15 September 1989, whichever occurs first.

BACKGROUND:

Several instances have been reported of the latches on the carburetor air box cover coming loose in flight allowing the air filter to become lost or dislodged. A dislodged air filter could partially block the carburetor air inlet causing an inflight power loss and lead to a serious accident.

---

COMPLIANCE PROCEDURE:

Perform the following alteration to the carburetor air box if equipped with latches:

NOTE

Refer to attached drawing.

1. Open air box and remove filter element.
2. Drill out four rivets in cover holding .25 D spacers and enlarge holes to .191 D drill. Discard spacers.
3. Close cover and using holes in cover as guides, drill four matching holes thru the upper box in line with the holes in the cover.
4. Open air box and drill out all rivets holding latches to cover. Discard latches and angles.
5. Install filter element and secure cover using four AN3-35A bolts, AN960-101 washers, AN970-3 washers, and NAS679A3 nuts.

Approximate Cost: Materials: \$6.00  
Labor: 1 hour

