

VAN'S AIRCRAFT, INC.

14401 NE Keil Road, Aurora, Oregon 97002 • USA PHONE 503-678-6545 • FAX 503-678-6560
INTERNET www.vansaircraft.com • E-MAIL info@vansaircraft.com

SERVICE BULLETIN

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Synopsis: The manufacturer of the flap motor/drive assembly used in the RV-6/6A electric flap installation has recalled all cross-drilled flap motor assemblies. The actuator studs of these components have been drilled at right angles to an existing hole, resulting in two intersecting holes that they fear may not provide sufficient strength.

Although *no* service difficulties arising from this aspect of the electric flap installation have ever been reported to Van's Aircraft, Inc., they are requesting the return of all electric flap motor/drive assemblies for the RV-6/6A.

This bulletin does not affect RV-4 aircraft.

Action: Replace with new flap motor. Replacement flap actuators are available at a discounted price, with the return of the cross-drilled actuator.

Addenda (August 21, 2007) and Recommendation: The suppliers of these flap actuators have changed over the years but the same "cross-drilling" error has cropped up in later model actuators as well. This resulted in SB 04-3-1, which contains a photographic depiction of the problem. The recommendation is to replace the flap actuator with a new unit. (See Service Bulletin SB 04-3-1)