



Service Bulletin

DATE: June 25, 1978

Service Bulletin No. 13
Engineering Aspects are
FAA Approved

SUBJECT: Aileron Stop Bolts

MODELS AFFECTED: S-1S 1-001 thru 1-0058

TIME OF COMPLIANCE: Immediate

There has been one reported instance where the jam nuts on an aileron control system stop bolt installation in an S-1S Pitts have come loose, allowing the stop bolt to restrict the aileron travel with potential dangerous loss of aileron control.

For this reason, we are requesting that the aileron stop bolt installation be inspected on all Pitts S-1S aircraft to determine that the jam nuts are tight. If any jam nuts are found to be loose, the aileron travels should be checked, the stop bolts properly adjusted, and the jam nuts tightened. Aileron control travels are 25° up $\pm 2^{\circ}$ and 23° down $\pm 2^{\circ}$. As an added safety precaution to insure against possible future loosening of the nuts, install an AN 365-1032 stop nut against the jam nut on the outboard end of each stop bolt.