

American Champion Aircraft Corp.
Rochester, WI 53167

Service Letter: 427

Date: November 29, 2005 Revision B

Title: Inspection of Nicopress Sleeves

Models: American Champion 7ECA, 7GCAA, 7GCBC, 8KCAB and 8GCBC manufactured prior to August 12, 2005 with less than 250 hours since new.

Bellanca/American Champion 7AC, 7ACA, S7AC, 7BCM, 7CCM, S7CCM, 7DC, S7DC, 7EC, S7EC, 7ECA, 7FC, 7GC, 7GCA, 7GCAA, 7GCB, 7GCBA, 7GCBC, 7HC, 7JC, 7KC, 7KCAB, 8KCAB, 8GCBC. Inspect any flight control cable (or flight control cable included in a wing retrofit kit) purchased from American Champion prior to August 12, 2005 that has less than 250 hours in service.

Description: This service letter provides guidance for inspection of Nicopress swages. Inspection of Nicopress swages is pertinent to low time aircraft and aircraft that have recently had any flight control cable replaced. Proper swaging is necessary to ensure normal operation of the flight control system.

The inspection procedures described herein are not intended to be a substitute for a properly performed 100 hour / annual inspection. Refer to Advisory Circular (AC) 43.13-1B: Acceptable Methods, Techniques, and Practices: Aircraft Inspection and Repair.

Inspection Interval:

Inspect before next aerobatic flight, within 25 hours, or at next 100-hour / annual inspection, whichever occurs sooner.

Procedure:

Inspect the following flight control cables for proper crimp width. Each sleeve is to have 3 crimps with a maximum width of 0.354 inches. Replace any nonconforming cable with new. Record cable inspection in an aircraft logbook entry.

- a) Elevator cables (6 locations)
- b) Rudder cables (4 locations)
- c) Aileron cables (12 locations)
- d) Flap cables (6 locations)

