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AERONCA AIRCRAFT CORPORATION

MIDDLETOWN, OHIO

RIGGING ADDENDA

PAGE 15

REPORT 7A-P-4

SECTION .1331

.1331 AILERON RIGGING

To adjust aileron travel the following procedure is correct:-

With cables slack adjust aileron push rod (1-2341) to give aileron up travel of  $27.5^{\circ}$  to  $28.5^{\circ}$ , when sector stop hits aileron hinge bracket. Each side is to be initially set in this manner.

Stick is to be centralized by the tensioning of the actuation cables at the turnbuckles forward of the rear windows. Tension of 45-55 pounds and droop  $1/8 - 1/4$ " can be obtained by the additional adjustment of the foregoing in conjunction with the balance cable turnbuckle accessible through the rear cabin lining slide fastener.

While aileron is in the down position with opposite stick held over the aileron rod should be inspected to ensure clearance at the aileron sector bushing.

Fine adjustment for wing heaviness may be obtained after test flight by adjusting aileron rods half a turn each - one shorter, the other longer.

Final check should be made to see that the rod threads cover the inspection holes and that the jam nuts are tightened.

REVISIONS:

ENG-12