

MOONEY AIRCRAFT INC.  
KERRVILLE, TEXAS

SERVICE LETTER 20-44

DATE: February 11, 1959  
SUBJECT: Inspection Rudder, Elevator and Aileron Hinges.  
MODELS AFFECTED: M-20 and M-20A, Serial No. 1002 thru 1364.  
TIME OF COMPLIANCE: Immediately.

INTRODUCTION:

Due to the failure of a rudder Hinge Bearing Bracket (p/n 4003) on a M20A, it is necessary that the following inspection be accomplished immediately.

INSTRUCTIONS: (See Sketch).

- (1) Remove paint and carefully inspect under glass the welds (shown in sketch) on the rudder, elevator and aileron hinge bearing bracket.
- (2) Inspect hinge brackets (p/n 4012) on rudder and elevator for the type of damage indicated in sketch, which might occur in mishandling and weaken the hinge bearing bracket.
- (3) If weld weakness or handling damage is found, a new set of hinges should be installed on the control surface in question immediately.

P/N 4003

CONTROL SURFACE

P/N 4012

P/N 4003

INSPECT BOTH SIDES  
FOR CRACKS OR  
INADEQUATE WELDING.

INSPECT BOTH SIDES FOR  
MARKS SHOWN IN PAINT OR  
IN METAL AFTER REMOVAL OF  
PAINT.