DATE: 9-5-53

SUBJECT: Kit - Rudder Horn Reinforcing Strap

MODELS AFFECTED: M20, Serials 1002-1126

TIME OF COMPLIANCE: As soon as possible

PARTS LIST: P/N 4057 (1) Reinforcing Strap

ENCLOSURE: Compliance Card

Several cases have been reported in which the rudder control horn broke at the point where it is attached to the rudder spar. It is therefore necessary that the following modification be accomplished.

Instructions: This modification may be accomplished without removal of rudder from airplane.

1. Remove tail stinger/assembly as follows:
   (a) Set trim aft.
   (b) Remove fairing strips between tail cone and stinger.
   (c) Disconnect tail light wire.
   (d) Detach stinger from tail truss at 3 points fwd and 1 point aft.

2. Remove paint from subject joint and inspect for cracks.


4. Reweld joint if cracks are present and weld P/N 4057 in place as shown in sketch.

Tack P/N 4057 aft side and apply heat to form strap in place at center line of control horn. Attach strap to rudder spar and control horn with weld along full length of strap top and bottom. Do not weld end of strap.