

MOONEY AIRCRAFT, INC.

SERVICE LETTER 20-57
(This Service Letter is FAA Approved)

DATE: October 6, 1959
 SUBJECT: Modification of Lower Cowl Rails
 MODELS AFFECTED: M-20A Serial Nos. 1201 through 1446 plus Serial Nos. 1448, 1450, 1451, 1453, 1455, 1456, 1457, and 1459

INTRODUCTION

Several cases have been reported to us of cracks appearing in several areas of the M-20A exhaust system. We feel that these cracks may be due, in part, to the exhaust mufflers striking the lower cowling stiffener rails. This is due to the engine movement on the dynafocal mounts during starting and stopping operations. The appearance of ample clearance while the engine is not running does not constitute ample clearance when the engine is running, and we therefore recommend the following modification be accomplished as soon as practical.

INSTRUCTIONS

1. Remove both the left and right side cowling.
 2. Remove left and right exhaust muffs after marking with a grease pencil in order to reposition tail pipe correctly.
 3. Bend vertical flange of P/N 6042, Cowl Rail, out (from the firewall forward for a distance of about 10 inches) until they form an angle of about 45° as shown in the sketch. This can be done with a soft, non-metallic mallet. A metal hammer is not recommended. Hammer the side of the rail out with the mallet using a sand bag for a back up on the outside of the cowling. A wooden block may also be used if it is padded with rags or rubber.
- . Replace muffs and cowling in the same manner as removed.

