

MOONEY AIRCRAFT, INC.

SERVICE LETTER 20-58

DATE: October 13, 1959
SUBJECT: EXHAUST SYSTEM
MODELS AFFECTED: M-20A ALL SERIAL NUMBERS

I. INTRODUCTION

The purpose of this Service Letter is to supplement Airworthiness Directive ~~59-11-3~~. This A. D. note is still in effect and must be complied with at each 50 hour period.

During the required 50 hour disassembly inspection, check also the particular possible trouble areas listed below. The possible trouble areas are classified with respect to airplane serial number based on the configuration of original equipment furnished with each serial number group.

Mooney Aircraft has revised the M-20A exhaust system in an effort to eliminate the defects of earlier. This improved system is now available.

II. POSSIBLE TROUBLE AREAS

A. M-20A Serial No. 1201-1300.

1. Exhaust manifold configuration installed as original equipment -
P/N 6184-1 end plate (P/N 6036) tack welded to exhaust tubes
2. Possible defects
 - a. Cracks at end plate tack weld
 - b. Spring wear on exhaust tubes inside exhaust heat exchanger

B. M-20A Serial No. 1301-1319 and 1470-1535

1. Exhaust manifold configuration installed as original equipment -
P/N 6184-11 same as 6184-1 except end plates loose on exhaust tubes and positioned by spring and shroud P/N 6003.
2. Possible defects
 - a. End plate wear on exhaust tubes
 - b. Spring wear on exhaust tubes inside heat exchanger

C. M-20A Serial Nos. 1320-1489

1. Exhaust manifold configuration installed as original equipment -
P/N 6184-11 revised to add end plate (P/N 6036) locating pin welded to exhaust tubes just inside of exhaust heat exchanger
2. Possible defects
 - a. Locating pin broken out leaving hole
 - b. Spring wear on exhaust tubes inside exhaust heat exchanger

III. RECOMMENDED IN FLIGHT PRECAUTIONS

1. See attached copy of "Flight Operations and Airworthiness Release 428".