

MOONEY AIRCRAFT, INC.
Service Letter 20-50
(This Service Letter is FAA Approved)

SERVICE BULLETIN 20-50

DATE: 6-25-59
SUBJECT: Kit - Alternate Air Source Relocation
MODELS AFFECTED: M20A Serial No. 1201-1500
TIME OF COMPLIANCE: Prior to August 1, 1959
PARTS LIST:
(1) P/N 6354-Hose Connection Assy.
(2) 3/8 Sheet Metal Screw (4) (4) 1/2" x .032 2024-T4 Sheet (1)
(3) A1890-4Z-1 Tinnerman Nut (4) (5) Inside Reinforcing Plate
ENCLOSURES: Compliance Card
INTRODUCTION:

In order to insure maximum safety for M20A aircraft in icing conditions, a revision has been made to the carburetor alternate air source relocating the air entrance to a sheltered location and omitting the screen covering the opening. Parts as listed above are furnished by Mooney Aircraft. This change is mandatory for all M20A aircraft thru Serial No. 1500 (in order to comply with FAA requirements) and must be accomplished prior to August 1, 1959.

INSTRUCTIONS:

1. Make template by mounting Figure 1 on cardboard or other suitable material.
2. Place template against inner surface (surface exposed to air stream) of light bracket in the upper inboard quadrant per directions on Figure 1, and mark cut-out and holes.
3. Remove side cowls and landing light and cut out hole in light bracket.
4. Disconnect hose (P/N 6064-19, 2 inch I.D) at present alternate air inlet. Remove inlet and portion of screen covering inlet. Patch hole with flush patch made of .032 2024-T4 (24ST Aluminum) and inside reinforcing plate. Pick up existing rivet holes with rivets or sheet metal screws and speednuts.
5. Replace light. Set light retainer ring in place, mark and trim as needed to match hole.
6. Position P/N 6354 inlet (on outer surface of light bracket inside of engine compartment) to match hole, Drill #40(.098) dia holes (4) approximately as shown on Figure 1 and install sheet metal screws and speed nuts.
7. Attach (P/N 6064-19, 2 inch I.D) hose to new hose to new alternate air inlet using existing clamp.

IMPORTANT:

Please fill out and return the enclosed compliance card upon completion of this work. Mooney Aircraft must have this card for F.A.A. and Company records.

