



(This Service Letter is FAA Approved)

This Service Letter reidentified as Service Bulletin M 20-102 per Service Instruction M20-15.

SUBJECT: Speaker, Radio
MODELS AFFECTED: M20C, Serial Numbers 1852, 1940-2207, 2209-2255, 2257-2296
TIME OF COMPLIANCE: At Owner's Discretion

INTRODUCTION

The purpose of this service letter is to introduce to you a new radio speaker offered to you by Mooney Aircraft. This speaker has proven very successful in the many tests to which we have subjected it. It has proven to be audible in even the most severe noise conditions without distortion. This speaker may be installed with a minimum of modifications, the only modifications being necessary are to replace the present speakers with the new speakers and to relocate the mounting holes in the cabin skin. The reason for the superiority of the new speaker over the old is because the new speaker is ten watts where the old one was only five watts.

INSTRUCTIONS

To install the new speakers, the following sequence should be followed in the order listed.

1. Remove the six sheet metal screws which secure the cover to the cover support.
2. Remove the four screws found outside the aircraft directly above the speakers.
3. Remove the four countersunk screws securing each speaker to the cover support plate.
4. Unsolder and remove the wires from the old speakers.
5. Resolder the wires to the speakers as per Figure 1.
6. Install the speakers to the cover support plate with the eight screws previously used to secure the old speakers.
7. Drill four new holes in the cabin skin as per Figure 2 to match the speakers.
8. Install the -3 doubler to the cabin skin with four AN426A5 rivets installed in the four holes left by removal of the old speakers and countersink in the outside skin of the cabin.
9. Install -5 felt strip between the -3 doubler and the speakers. Drill -3 and -5 to match the speakers.
10. Install the speaker assembly using the four screws which previously held the old speaker assembly to the cabin skin.
11. Install the cover to the cover support with the six screws previously removed.

S. L. KIT 20-102

The following kit (20-102) is available from Mooney Aircraft, Inc. Spare Parts Department, P. O. Box 72, Kerrville, Texas, at a total list price of \$7.50.

1. Carbonneau 11915 Speaker (2)
2. -3 doubler (1)
3. -5 felt strip (1)
4. AN426A5 rivet (4)

