

(This Service Letter is FAA Approved)

This Service Letter reidentified as Service Bulletin M 20-101 per Service Instruction M20-15.

SUBJECT: Throttle Control, Part No. HE-1002-401, and Propeller Governor Control, Part No. HE-1003-451, Inspection and Replacement

MODELS AFFECTED: M20C, Serial Numbers 1852, 1940 through 2150

TIME OF COMPLIANCE: Within Next Ten (10) Hours of Operation

INTRODUCTION

It is necessary for owners of the above aircraft to inspect and replace, if necessary, the propeller governor and throttle control.

INSTRUCTIONS

Examine the throttle and propeller governor controls where the flexible housing secures to the barrel and swivel fitting. The flexible housing should be secured to the barrel by two or more crimps as shown in Figure 1. If not, replace the controls per the instructions below.

Remove throttle cable from the aircraft as follows:

1. Disconnect swivel joint from carburetor throttle arm.
2. Remove swivel joint from control cable.
3. Remove clamp and securing hardware from cable.
4. Disconnect control cable firewall fitting.
5. Remove throttle control knob.
6. File brad from securing pin and remove pin.
7. Remove outer nut from control cable.
8. Pull cable toward firewall to remove from panel.
9. Pull cable toward rear of aircraft to remove.

To install throttle control cable:

1. Insert swivel end through firewall from inside of cabin.
2. Insert barrel end through panel;
3. Install outer nut.
4. Drill and pin as shown in Figure 2 or Figure 3, whichever is applicable.
5. Brad pin with small center punch, both ends.
6. Connect control cable firewall fitting.
7. Install clamp and hardware.
8. Install swivel joint and connect to carburetor throttle arm.
9. Make sure that there is no radius smaller than five inches in the cable installation during or after installation.

The HE-1002 and HE-1003 control cables may be obtained from Mooney Aircraft, Inc. Spare Parts Department, P.O. Box 72, Kerrville, Texas, on an exchange basis. You will be billed for the new cables until the return of the old cables.

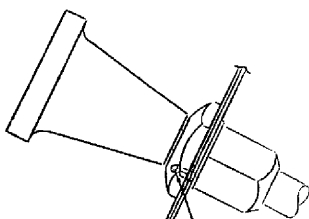
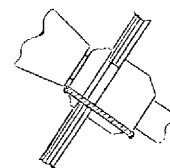
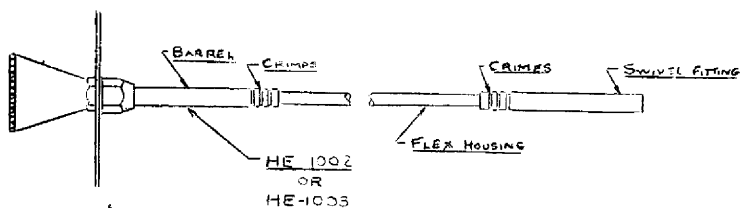


FIGURE 3

Remove #5-40 Nylok set screw after securing control in position. Remove control knob. Mark instrument panel through hole where the #5-40 set screw was removed. Remove control securing nut and drill .136/140 dia. through instrument panel where previously marked. Install control securing nut. Replace #5-40 set screw and tighten until it extends through the hole in the instrument panel. Replace the control knob and tighten the securing set screw.



SECTION A-A
FULL SCALE

