



This Service Letter reidentified as  
Service Bulletin M 20-105  
per Service Instruction M20-15.

**SUBJECT:** Replacement of Propeller Governor Control  
**MODEL AFFECTED:** M20C, Serial Numbers 2151 through 2250  
**TIME OF COMPLIANCE:** At Owner's Discretion

#### INTRODUCTION

The propeller governor control, Part No. 1003-451, manufactured by H. & E. Aircraft, Inc. and used in all M20C aircraft, has recently been redesigned and is now in late model M20C aircraft. This control is smoother actuating, has a positive stop at each extremity of the travel. We recommend that the older controls be replaced with the new design as soon as practical.

#### INSTRUCTIONS

1. There are two ways to determine whether your aircraft has a new type control.
  - a. Screw the vernier control in (increasing RPM) until the knob reaches the extremity of the travel. If the control knob then turns freely in a clockwise direction, this is a new type control. If the knob becomes tight, this is an old type control.
  - b. Inspect the joint between the metal vernier housing and the plastic flexible housing. The older controls have one swagged ring at the end of the metal housing which attaches the flexible housing; the new controls have three swagged rings.
2. If the control is to be replaced, remove the right side cowl and detach the control at the propeller governor and at the firewall. Remove the control from the instrument panel and re-install the new control in the same manner as the old control was removed.
3. Adjust the swivel end of the control at the propeller governor so that the control knob is 1/16" to 1/8" from the mounting nut when the propeller governor arm is against the stop in the RPM position. Check the control travel to ascertain that the governor arm has full travel between the high and low RPM stops.
4. Controls may be obtained from Mooney Aircraft, Inc. Spare Parts Department, P. O. Box 72, Kerrville, Texas, on a no-charge exchange basis.
5. After installation of this new propeller governor control, please fill out the enclosed compliance card and return it to Mooney Aircraft for our records.