

SUBJECT: REPLACEMENT OF WHITMAN GENERAL VACUUM SWITCHES MODEL P118V-IN-K4L-2, AND P118V-IN-K5L-1 OR/AND U.M.A. VACUUM GAGE MODEL 3-200-3 WITH EDO-AIRE SWITCH P/N 22-1280-04

MODELS & S/N AFFECTED: M20J S/N 24-0084, 24-0378 thru 24-0447

TIME OF COMPLIANCE: MANDATORY within the next 25 hours of operation.

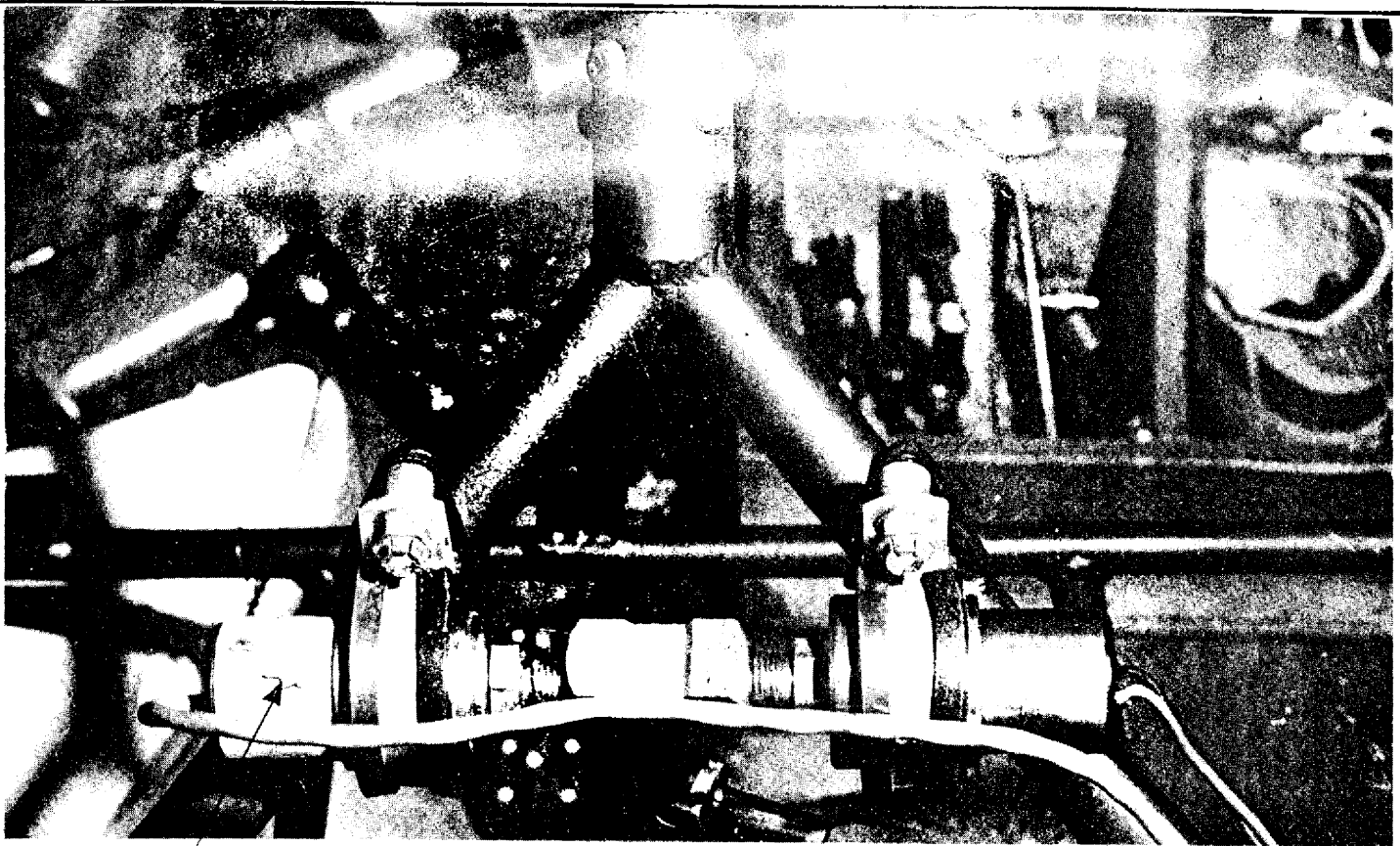
INTRODUCTION: The above noted aircraft have a temporary installation of a vacuum gage by compliance with Mooney Special Letter dated 12/21/77. Affected S/N's which have not complied with Mooney Special Letter dated 12/21/77 have vacuum light connected to Whitman General vacuum switches. Conversion of either installation is as follows:

- 1. Prior to complying with this bulletin check vacuum regulator (with gage) for a setting of 4.75" to 5.0" hg.
2. Remove glareshield.
3. Remove Whitman General switches, hose, adapters and hardware.
4. Remove U.M.A. gage, hose, adapter and hardware from aircraft with this deviation.
5. Remove VAC INOP placard from annunciator panel.
6. Install Edo-Aire switch P/N 22-1280-04 in same port (marked "gage") on gyro previously used (use "Titeseal" on threads and torque 15 to 20 inch lbs.)
7. Remove knife disconnects from wires 21WV03B22, 21WV05C22, and 21WV07C22 and replace with Amp terminals 321017.
8. Attach wire 21WV03B22 to "White" terminal, 21WV05C22 to "Yellow" terminal and 21WV07C22 to "Black" terminal of Edo-Aire switch.
9. Edo-Aire switch P/N 22-1280-04 has been pre-set at factory - Low 4.0" +.25 - Hi 6.0 + .25. Vacuum regulator in aircraft should be set at 4.75" to 5.0" as in Step 1.
10. Run up engine to ensure lights operate properly. (Blinking light goes out at appx. 1500 RPM and steady light does not come on at full throttle.)

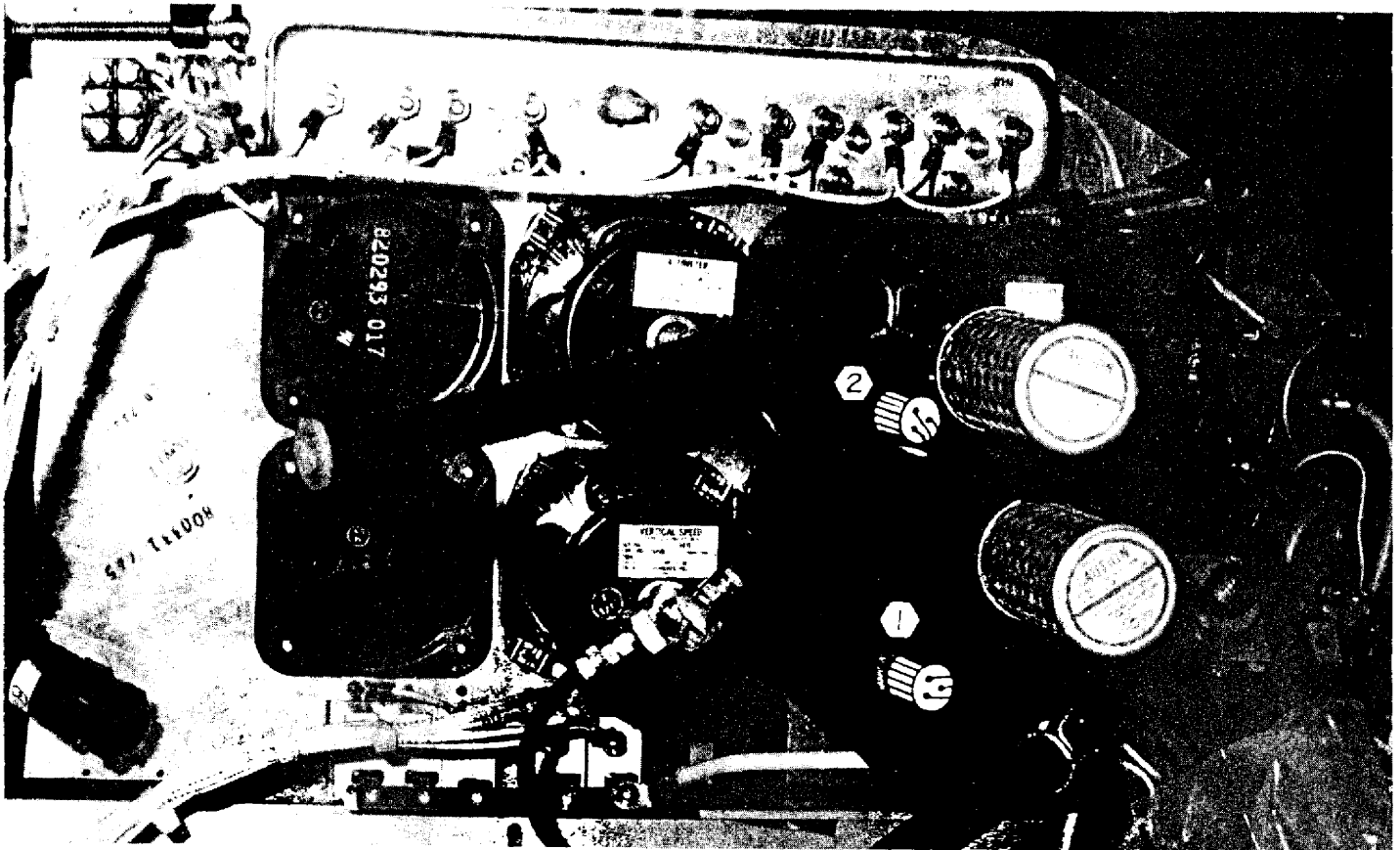
11. Replace glareshield.
12. Remove temporary "Blue" insert in Pilot's Operating Handbook.
13. Make appropriate log book entry. Fill out and return Compliance Card to Mooney Aircraft Corp. along with removed switches or/and gage.

M20-210-1 Kit:

22-1280-04 Edo-Aire	
Vacuum Switch . . . . .	1 ea.
321017 Terminal . . . . .	3 ea.
Compliance Card . . . . .	1 ea.



Remove Whitman General vacuum switches, clamps, hose, etc.



- ① Install Edo-Aire vacuum switch.
- ② Alternate installation.