



NUMBER: S.I. M20-59A

DATE: 7-28-82

REVISED: 9-21-82

SUBJECT: M20J AND M20K, IMPROVEMENT IN STARTING; REMOVAL OF GROUNDING STRAP FROM MAGNETO SWITCH

MODELS/ S/N's AFFECTED: Mooney M20J S/N 24-0001 thru 24-1325 M20K S/N 25-0001 thru 25-0710

TIME OF COMPLIANCE: At owner's convenience.

INTRODUCTION: To improve starting characteristics of M20J and M20K engines the grounding strap between the right magneto terminal and the auxiliary grounding terminal of the magneto switch should be removed.

INSTRUCTIONS:

1. Pull Aux Bus and Ign-Tech, Cig Ltr circuit breakers, or disconnect battery.
2. Loosen and remove knurled nut from front of magneto switch.
3. Remove magneto switch from instrument panel by pushing through from cockpit side.
4. Let magneto switch hang suspended from wires attached to rear side of switch assembly. Slip plastic cover from switch assembly to gain access to rear terminal area.
5. Locate right magneto terminal "R" on rear of magneto switch assembly (See Fig. 1) that has jumper strap to secondary ground terminal.
6. Loosen the terminal screws from the secondary ground and the "R" terminals and remove the jumper strap from between the two terminals.
7. Reconnect wire (M20J) or wires (M20K) to the "R" terminal of the magneto switch assembly and tighten screws securely. Be sure the wires are connected to the "R" terminal now that the jumper has been removed.
8. Replace plastic sleeve over switch housing and install magneto switch back into proper location on instrument panel. Install ignition switch placard and secure with knurled nut.
9. Reconnect battery and push all circuit breakers in.
10. Functional test starter and both magneto positions.
11. Make log book entry and return aircraft to service.

REFERENCE DATA: N/A

PARTS LIST: N/A

FIGURES/TABLES: Figure 1

REVISION A - Corrected printing error of wiring connection on switch, does not affect intent of S.I. All aircraft are wired correctly, except for jumper modification.

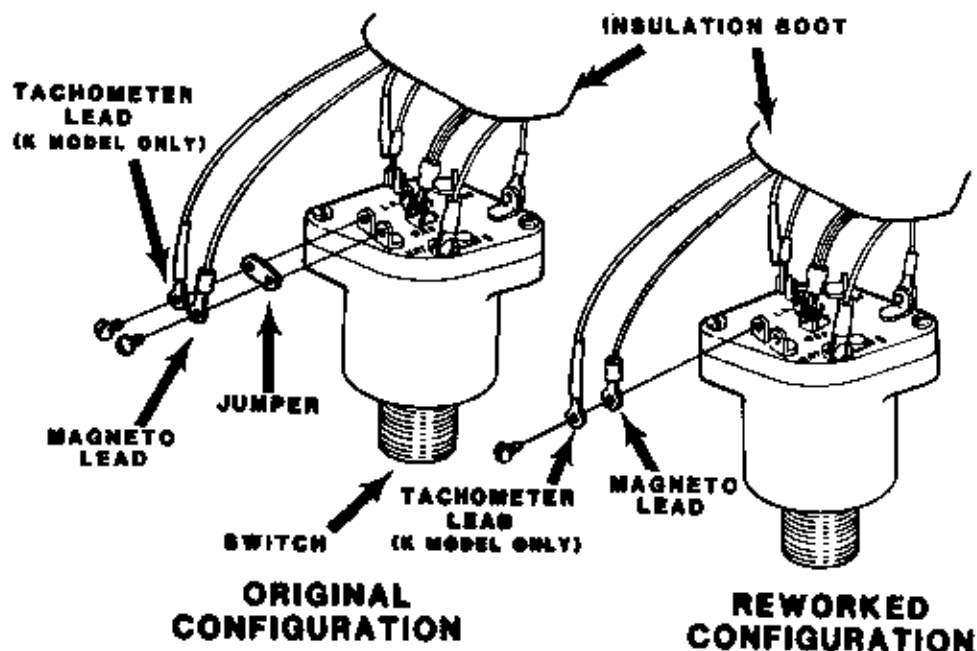


FIGURE 1