



NUMBER: S.I. M20-61A

DATE: 8-16-84

**SUBJECT:** START POWER ENGAGED WARNING CIRCUIT MODIFICATION.

**MODELS/S/N's AFFECTED:** Mooney M20J S/N's 24-1214 thru 24-1326, Mooney M20K S/N's 25-0613 thru 25-0711.

**TIME OF COMPLIANCE:** At next maintenance action.

**INTRODUCTION:** The M20 series aircraft listed above have a starter motor electrical power engaged warning system installed. The warning system annunciator panel will illuminate "start power engaged" during normal operation of the starter switch or if a short occurs in the starter switch circuit. The warning system will not illuminate if the starter relay contacts stick in the shorted position.

A change to the wire connections at the starter solenoid will allow the annunciator to illuminate in any case where a malfunction may supply power to the starter.

**NOTE:** Press to test button of annunciator will not illuminate start power engaged light.

**INSTRUCTIONS:** Reference Figure 1 "was" illustration for current configuration and identification of wire no. 21PS08A18 and diode no. 21PS05A. This wire must be disconnected and soldered to fuse holder as shown in Figure 1 "now" configuration. The diode shown in "was" illustration must be removed and discarded. Connect wire no. 21PS08C18 to the inline fuse holder and starter solenoid terminal as shown in the "now" illustration.

**REFERENCE DATA:** N/A

PARTS LIST:	QTY	P/N	DESCRIPTION
M20-61-1	1	155020 or 155120	Fuse Holder/Littelfuse
KIT	1	313001	Fuse (1 AMP)/Littelfuse
	1	21PS08C18	Wire Assembly

**FIGURES/TABLES:** Figure 1

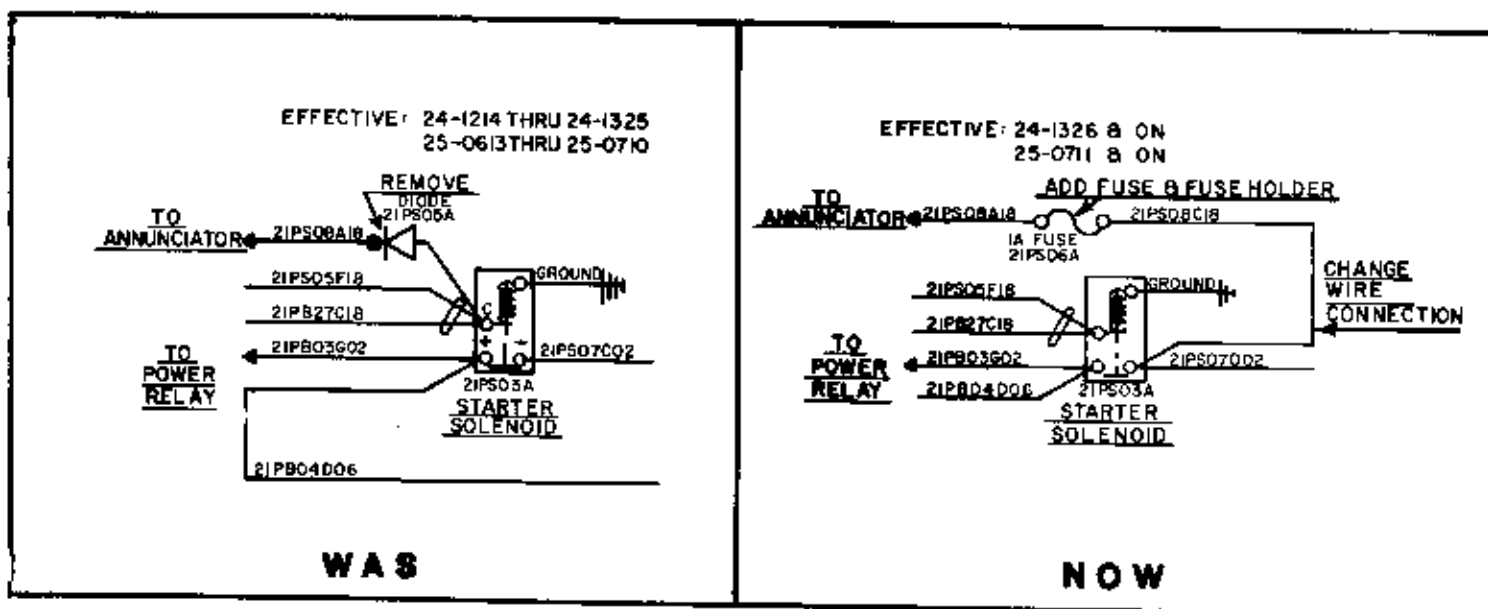


FIGURE 1