



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

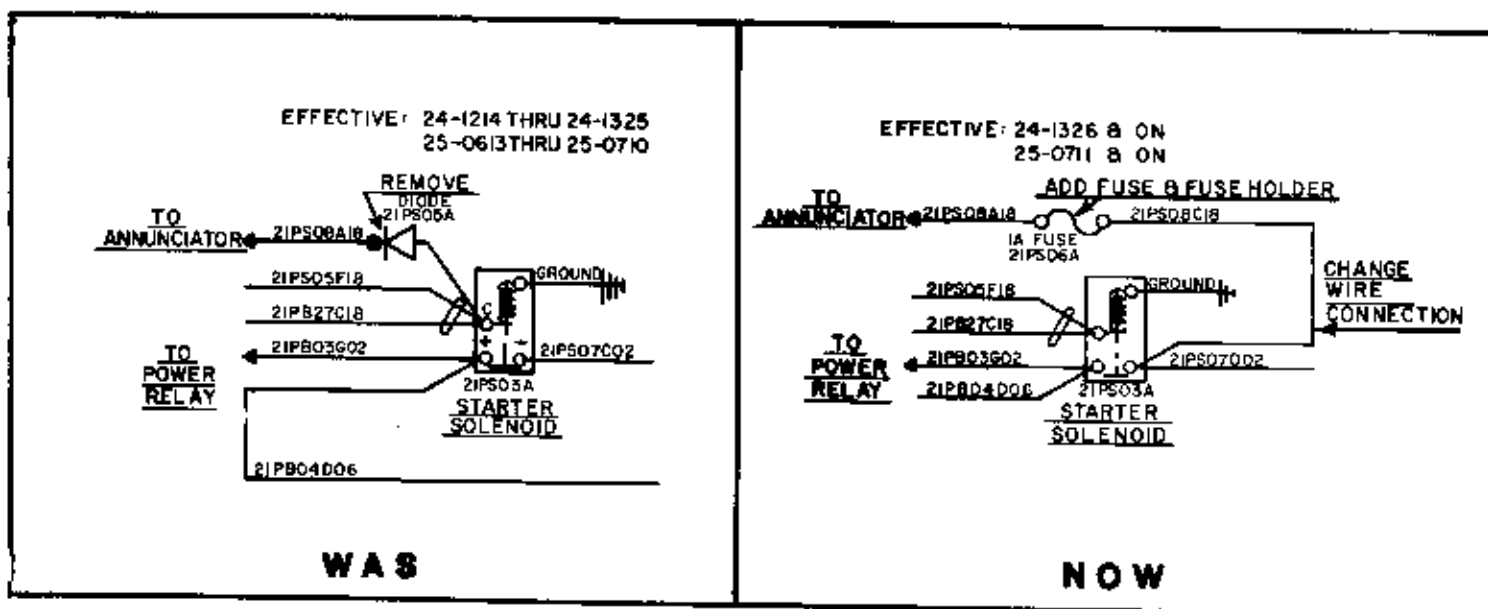


FIGURE 1