

THIS SERVICE BULLETIN IS FAA APPROVED FOR ENGINEERING DESIGN

SERVICE BULLETIN M20-240
DATE: 1 - 13 - 89

SUBJECT: MOONEY AIRCRAFT CORPORATION, M20L MASTER SWITCH CIRCUIT MODIFICATION.

MODEL/S/N AFFECTED: MOONEY M20L, S/N 26-0001 THRU 26-0045

TIME OF COMPLIANCE: At next scheduled maintenance or sooner.

INTRODUCTION:

The Master Switch circuit, in an extremely rare circumstance, is configured on M20L Models (Mooney PFM), S/N 26-0001 thru 26-0045, in a way that all circuits except engine and A/H may become inoperative due to a blown fuse. In order to alleviate the situation, the following modification procedures need to be accomplished within the time frame shown above.

INSTRUCTIONS:

1. Remove left rear tailcone access door and perform the following actions:
(SEE FIGURE NO. 1 BELOW)
 - a. Remove wire (—L-PB33A20) from tailcone connector (JKL-PL20A), pin 1, by clipping wire approximately 1.5 inches from connector and install a wire cap on the portion still connected to the connector.
 - b. Remove wire (—L-PB32A20) ring terminal from left battery relay, pin X.
 - c. Remove this separated wire, which includes the Left Master Fuseholder (L-PB180A) and fuse, from the tailcone and discard.
2. Replace access door.
3. Remove glareshield per Service and Maintenance Manual, Section 39-10-01.
4. Pull circuit breaker panel per Service and Maintenance Manual, Section 39-10-03.
Completely pulling circuit breaker panel may be necessary to obtain access to the appropriate components and modification area.
5. Cut wire (—L-PB36A20) at pin # 20 of circuit breaker panel connector No. 2 (JKL-PL50A) by clipping wire approximately 1.0 inches from connector (SEE FIGURE NO. 2). and installing wire cap, P/N 324485, on end of wire still connected to the connector (SEE FIGURE NO. 3).
6. Strip and install AMP ring terminal P/N 31894, (Blue color) to the end of the wire disconnected from the No. 2 connector.
7. Attach this ring terminal to the buss side of "Left Load" circuit breaker (—L-PB171A) (SEE FIGURE NO. 4).
8. Reinstall the Circuit Breaker Panel and the Glareshield per the Service and Maintenance Manual.
9. Record compliance action in aircraft log book and return aircraft to service.

WARRANTY:

Mooney Aircraft Corporation will allow up to 2.0 hours labor to accomplish the modifications of this Service Bulletin on aircraft in warranty as of the issue date of this SB, and accomplished within 1 year of the issue date of this SB.

REFERENCEDATA: N/A

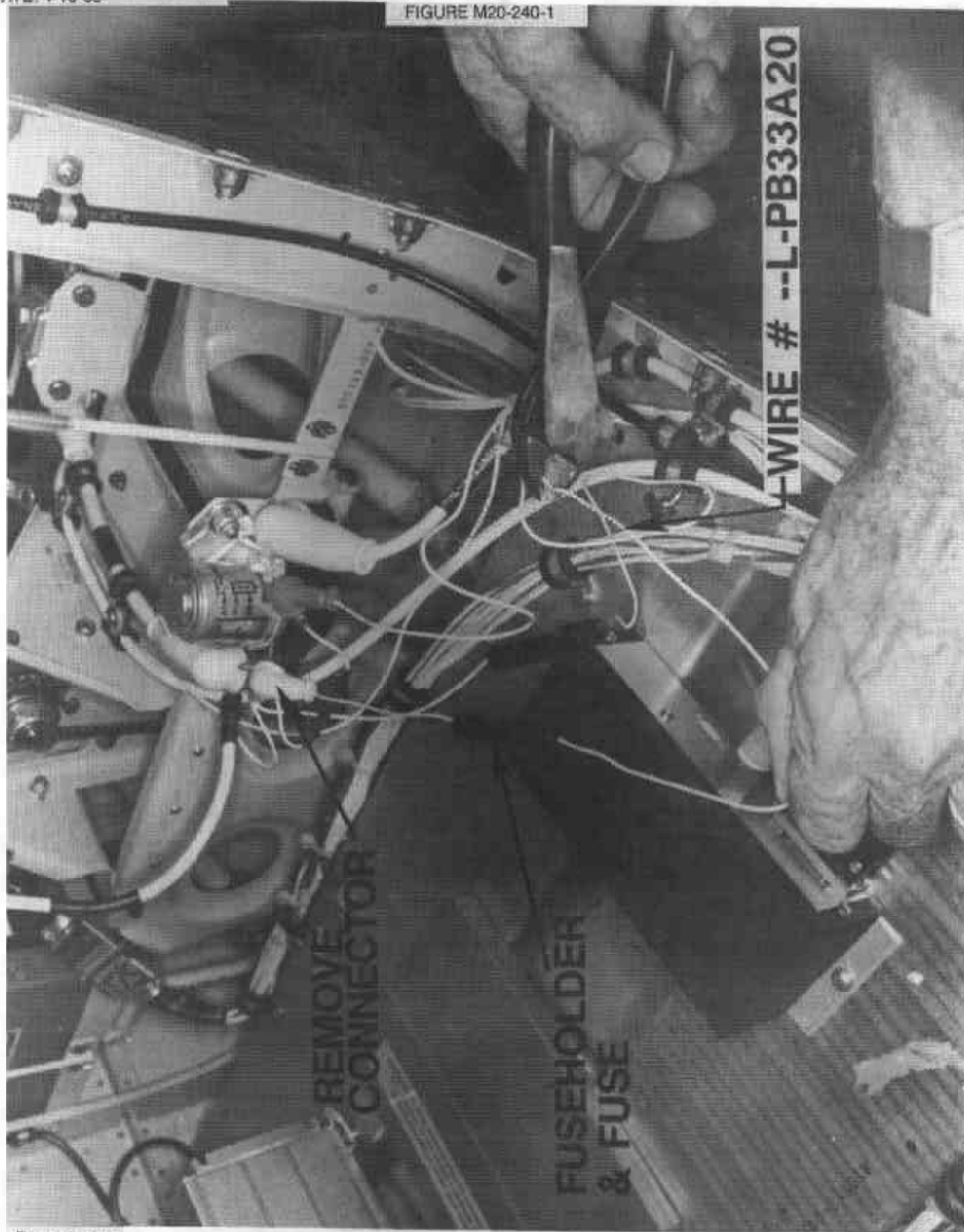
PARTS LIST: KIT PART NUMBER: SB M20-240-001

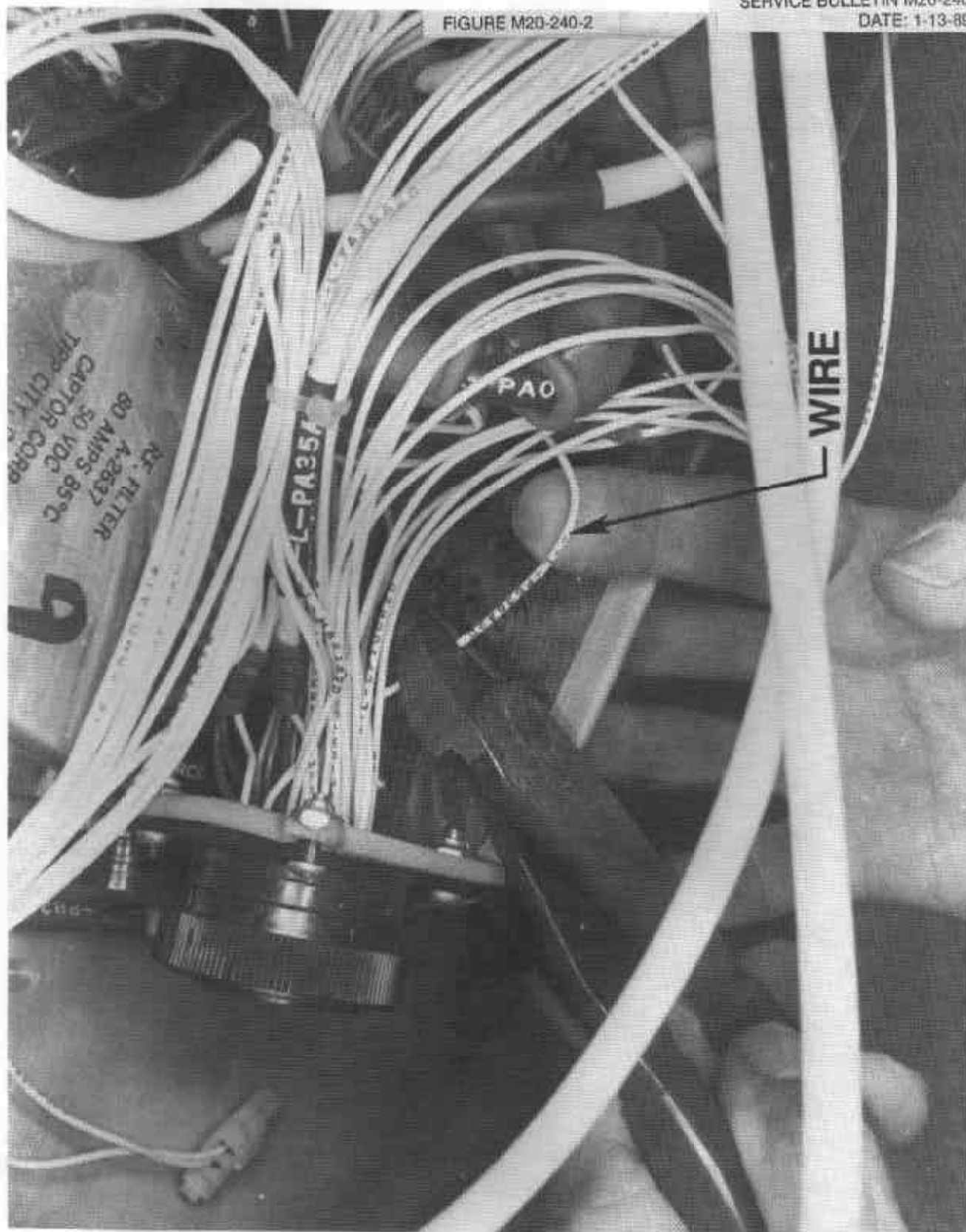
<u>ITEM</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>QTY</u>
1.	324485	CAP, WIRE, (AMP)	2
2.	31894	TERMINAL, RING (BLUE) (AMP)	1

**FIGURES/
TABLES: SEE FOLLOWING FIGURES 1, 2, 3 & 4.**

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FIGURE M20-240-1





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FIGURE M20-240-3

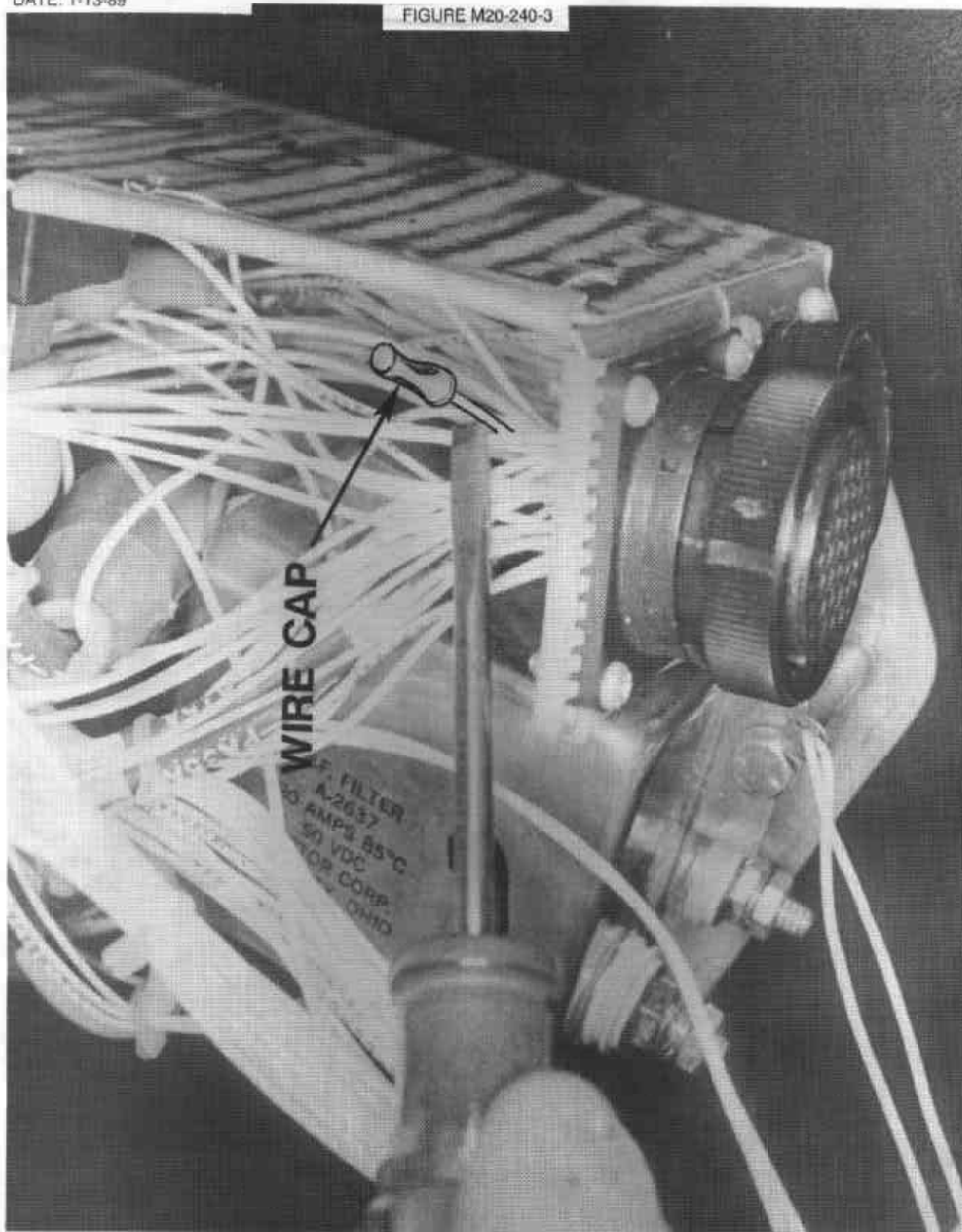


FIGURE M20-240-4

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