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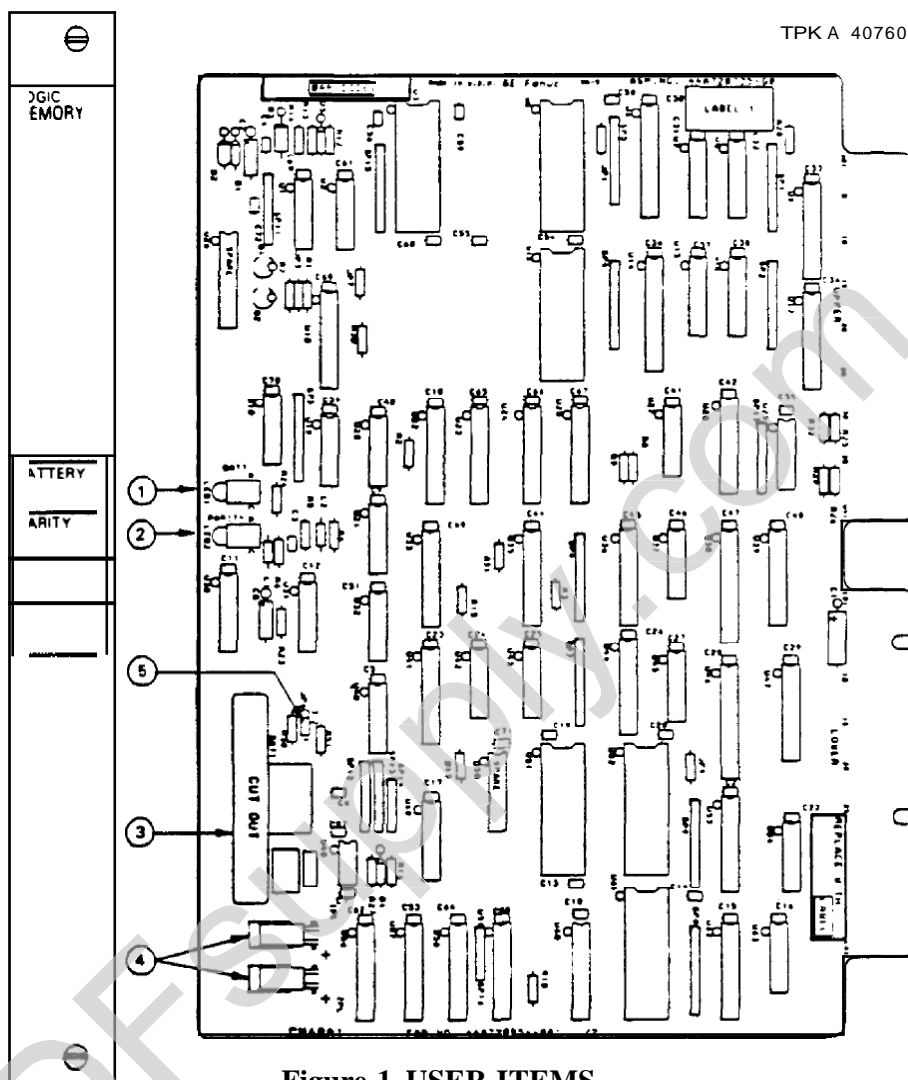
TPK A 40760

Figure 1. USER ITEMS

I. BATTERY Light

Steady On: Battery Normal

Flashing: Battery Low: The CPU continues running. No. 2 (advisory) alarm is activated. To protect the memory contents, replace the battery before it fails. When the light begins to flash, battery failure will occur in approximately 30 days.

Steady Off: Battery Failed: CPU continues running, but will not restart if stopped. No. 2 alarm remains activated. Memory contents will be lost when power is switched off or lost.

2. PARITY Light

on: Internal Memory, Register Memory and Logic Memory Parity are OK.

off: Internal Memory and/or Register Memory or Logic Memory parity error occurred when reading memory.   An error message appears on the Workmaster Computer display or in the work area of the Program Development Terminal display. Causes CPU to stop.

3. Lithium-Manganese Dioxide Battery

4. Battery Connectors

5, External Auxiliary Battery Select

NOTE

For battery replacement information, consult the Series Six Plus Installation and Maintenance Manual, GEK-96602.

INSTALLATION

The Combined Memory module (LOGIC MEMORY) is installed in the card slot to the immediate left of the Arithmetic Control module in the CPU rack. Follow **these** steps for installation:

1. Connect 2-pin lithum battery connector to either male jack beneath battery if not using auxiliary battery inputs on power supply terminal strip.

2. If auxiliary battery is used, the battery does not have to be on the board.

3. Use extraction/insertion tool furnished with CPU to insert (or remove) module into rack.

4. Secure faceplate to rack using screws at top and bottom.

5. Clear parity errors detected at initial power-up of the CPU. Refer to Chapter 11, of the Logicmaster 6 User's Manual, GEK-25379.

CAUTION

Do not allow the bottom of this circuit board to come into contact with a conductive (metal) surface when the board cover has been removed. Failure to observe this caution could result in the discharge of the non-rechargeable lithium battery and the loss of the memory contents.

Relatively small amounts of excess charge can cause very intense electrostatic fields in metal-oxide-semiconductor (MOS) devices, **damaging** their gate structure. Avoid handling this circuit board in a manner which might cause electrostatic charges. Failure to observe this caution could result in the destruction of the CMOS-RAM devices in this module.

WARNING

Do **not discard the lithium-manganese diox-ide battery in either fire or water. Do not place** a **short circuit between the contacts at the ends of the battery. Do not attempt** to recharge the battery. Failure to observe any of **these warnings** map cause **the battery to burst or** burn or release hazardous **materials.**

Table 2. SPECIFICATIONS

Dimensions:	
Circuit Board:	8.15 x 11.0 (inches), 208 x 280 (mm)
Faceplate:	12.46 x 1.175 (inches), 317 x 30 (mm)
Power Requirements:	5 V dc, 1.5 A (max), -12 V dc, 10 mA (max)
(Supplied by CPU power supply)	
*Register Memory Capacity:	1K l6-Bit words; 5K version
	8K 16-Bit words; 12K, 16K or 24K versions
	16K 16-Bit words; 48K and 80K versions
*Logic (user) Memory Capacity:	4,096 (4K) 16-Bit words
	8,192 (8K) 16-Bit words
	16,384 (16K) 16-Bit words
	32,768 (32K) 16-Bit words
	65,536 (64K) 16-Bit words
Operating Temperature:	0 to 60° C (32 to 140F)
	(outside of rack)
Storage Temperature:	-20 to 70C (-4 TO 158F)
Humidity:	5%-95% {non-condensing)

*with battery back-up

Table 3. ORDERING INFORMATION

DESCRIPTION	CATALOG NUMBER
4K/lK Logic/Register Memory	IC600LX 5K
4K/8K Logic/Register Memory	IC600LX612K
8K/8K Logic/Register Memory	IC600LX616K
16K/16K Logic//Register Memory	IC600LX624K
32K./16K Logic/Register Memory	IC600LX648K
64K/16K Logic/Register Memory	IC600LX68OK

For further information, contact your local GE Fanuc
sales office.