

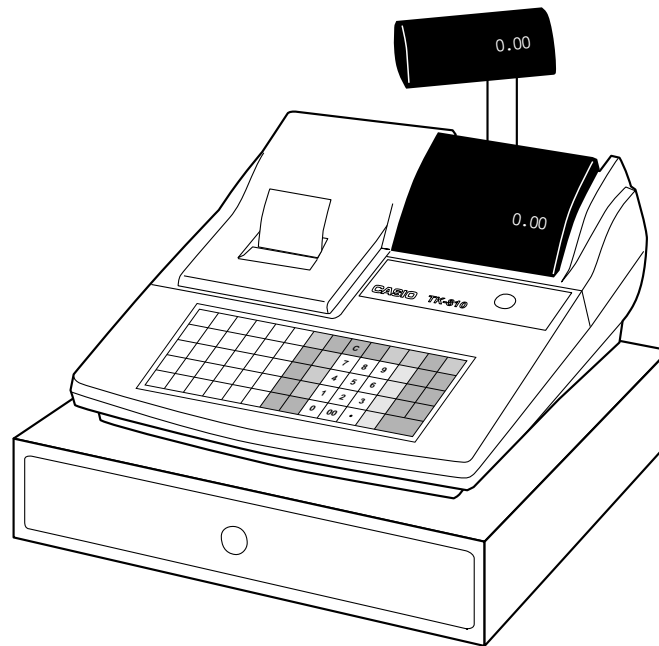
SERVICE MANUAL

(without price)

ELECTRONIC CASH REGISTER

TK-810 (EX-548)

OCT. 2000



Printer Model : M-190G(071)

CASIO®

CONTENTS

TK-810	Page
1. SPECIFICATIONS	1
2. INITIALIZE (MAC) OPERATION	3
3. BLOCK DIAGRAM	4
3-1. PCB CONNECTION	4
3-1. BLOCK DIAGRAM	5
4. DISASSEMBLY	6
5. CIRCUIT EXPLANATION	8
5-1. Power supply circuit	8
5-2. CPU (uPD78052GC-159-3B9)	9
5-3. Display controller (uPD16312GB-3B4)	11
5-4. Initialize IC (Reset circuit)	12
5-5. Power down detection circuit (PWD)	12
5-6. Address latch circuit	12
5-7. RAM / ROM bank selection circuit	13
5-8. Head drive circuit for printer	14
5-9. Power supply circuit for display	15
5-10. Data communication between CPU and EEPROM	15
6. DIAGNOSTIC OPERATION	16
6-1. To start the diagnostic program	16
6-2. Check item	16
6-3. Operation of each test	16
6-4. To exit the diagnostic test	21
7. ERROR CODE LIST	22
7-1. Operation error code	22
7-2. System lock code	23
8. IC DATA	24
9. PCB LAYOUT	27
10. CIRCUIT DIAGRAM	28
11. PARTS LIST	45

[Click here to download the full manual at THE-CHECKOUT-TECH.COM](http://THE-CHECKOUT-TECH.COM)