

SERVICE MANUAL

(without price)

ELECTRONIC CASH REGISTER

TK-T500 (EX-579A*)

APR. 2000



Printer Model : LTP4242B-C432

CASIO®

CONTENTS

| TK-T500 | Page |
|---|------|
| 1. SPECIFICATIONS | 1 |
| 2. INITIALIZE (MAC) OPERATION | 4 |
| 3. F-INIT (FMAC) OPERATION | 4 |
| 4. BLOCK DIAGRAM | 5 |
| 5. TO OPEN THE UPPER CASE | 7 |
| 6. CIRCUIT EXPLANATION | 9 |
| 6-1. Power supply circuit | 9 |
| 6-2. Reset and power down circuit | 10 |
| 6-3. CPU description | 11 |
| 6-4. Memory chip selection circuit | 13 |
| 6-5. Flash ROM1 address circuit | 14 |
| 6-6. Flash ROM2 circuit | 14 |
| 6-7. Flash Pack circuit (Memory Cassette RAC-9) | 15 |
| 6-8. Memory map | 16 |
| 6-9. Printer drive circuit | 17 |
| 6-10. RS232C port COM1 circuit | 17 |
| 6-11. RS232C port COM2 and COM3 circuit | 18 |
| 6-12. Keyboard selection switch | 19 |
| 6-13. To mount optional circuit | 19 |
| 1) Clerk key circuit | 19 |
| 2) Multi-drawer circuit | 21 |
| 3) Paper near end sensor circuit | 22 |
| 6-14. Display controller uPD78015FGC526-AB8 | 23 |
| 6-15. Segment display driver uPD16312GB-3B4 | 24 |
| 6-16. DC/DC convertor circuit | 25 |
| 6-17. ARCNET circuit (IO-PB14) | 25 |
| 7. DIAGNOSTIC OPERATION | 31 |
| 7-1. To start the diagnostic program | 31 |
| 7-2. Check item | 31 |
| 7-3. Operation of each test | 31 |
| 7-4. Switch status test | 32 |
| 7-5. Individual function test | 33 |
| 7-6. To exit the diagnostic mode | 49 |
| 8. ERROR CODE LIST | 50 |
| 9. IC DATA | 53 |
| 10. PCB LAYOUT | 67 |
| 11. CIRCUIT DIAGRAM | 69 |
| 12. PARTS LIST | 93 |

This is a “Table of Contents preview” for quality assurance

The full manual can be purchased from our store:

[https://the-checkout-tech.com/manuals/casio/TK-T500 service manual.html](https://the-checkout-tech.com/manuals/casio/TK-T500%20service%20manual.html)

And our free Online Keysheet maker:

<https://the-checkout-tech.com/Cash-Register-Keysheet-Creator/>

[HTTPS://THE-CHECKOUT-TECH.COM](https://THE-CHECKOUT-TECH.COM)