

Disk 5 — Power Supply / Regulator

Function:

- Converts mains AC to regulated ± 10 V and +15 V DC rails for logic and motor drive circuits.

Main Components:

- Siemens electrolytic capacitors (4700 μ F / 25 V)
- Bridge rectifier (10 DB 1A)
- BTB08 triac
- 1N5761A DIACs

Notes:

- Contains both positive and negative linear regulation stages.
- Supplies isolated logic and motor drive rails.
- Mounted directly above the base transformer and mains input.
- Early units used discrete pass-transistor regulation; later revisions used improved PNP series regulators.