OMEGA®

A SIGN OF QUALITY PRODUCT

RADIO CASSETTE RECORDER (TWO-IN-ONE) DYNAMIC DEMONSTRATOR CUM TRAINER

OMEGA TYPE DB-17

OMEGA TYPE DB-17 Radio Cassette Recorder (Two-in-one) Dynamic Demonstrator-Cum-Trainer has been designed with a view to provide practical/experimental knowledge of the circuit of IC based Radio Cassette Recorder on Single glass epoxy PCB with fault creating facility.

All components are soldered on single pin tags on Single PCB with full circuit diagram on component side. Hence any component can be removed or shorted or its value can be altered to understand its effect/function. The voltage at any point can be measured easily and the waveform can be observed. Faults can be created by removing any part.

Practical experience on this board carries great educative value for Science and Engineering Students.

OBJECT

01 Study of the latest Radio Cassette Recorder Circuit based on IC TBA810.
02 Tracing the circuit and identify the different components.
03 Creating the faults by switches and servicing them.
04 Understanding the alignment procedure.
05 Testing and experimenting the various sections.

SPECIFICATIONS

01 GENERAL

1.1 Power Supply : 220V AC, 50Hz or 6V DC - [1.5V x 4] Cell No.950/1050.
1.2 Speaker : 4 ohm, 4" square.
1.3 Output Power : 1.25 Watt Music Power.

02 RADIO SECTION

2.1 Circuit System : MW/SW - 2 Band Superheterodyne.
2.2 Tuning Range : MW - 550 KHz to 1600 KHz.
: SW - 5.5 MHz to 16 MHz.

03 TAPE RECORDER SECTION

3.1 Recording bias : A.C. Bias.
3.2 Erase System : D.C. Erase.
3.3 Frequency Response : 100 - 8000 Hz.
3.4 Recording level indicator : L.E.D. Type.
3.5 Power indicator : L.E.D. Type.
3.6 Output level indicator : L.E.D. Type.
3.7 Built in condenser mike.
3.8 Tone Control.
3.9 Auxiliary input socket.
3.10 External mike socket.
3.11 External Speaker socket.
3.12 Remote control socket (with mike).
3.13 Sound Monitor switch.

04 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.
05 Weight : 5Kg (Approximate)
06 Size : W415 X H165 X D315.

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