Service Schematics
This publication consists of schematics for product identified in the schematics. It is not intended as a substitute for a service manual, which is available from MATSUSHITA in CD or print format. For proper repair instructions it is necessary to consult the CD or print version of the full service manual.

Specifications
Audio section
Track system: 4 track, 2 channel STEREO
Frequency response (Dolby NR off):
TYPE I (NORMAL); 30 Hz – 16 kHz (DIN)
TYPE II (HIGH); 30 Hz – 16 kHz (DIN)
TYPE IV (METAL); 30 Hz – 16 kHz (DIN)
S/N (Signal level= max recording level, TYPE II):
NR off; 56 dB (A weighted)
Dolby B NR; 64 dB (A weighted)
Motor
Capstan drive: DC servo motor
Reel table drive: DC motor
Fast forward and rewind times (C-60):
Approx. 90 seconds
Wow and flutter: 0.1% (WRMS)

General
Dimensions (W×H×D): 210×104.8×241 mm
Mass: 1.6 kg
Notes: Specifications are subject to change without notice. Mass and dimensions are approximate.

Manufactured under license from Dolby Laboratories. *Dolby* and the double-D symbol are trademarks of Dolby Laboratories.

⚠️ WARNING
This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

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1 Schematic Diagram Notes

1 This schematic diagram may be modified at any time with the development of new technology.

Notes:

- S903: Cassette holder open detect switch
- S904: Cassette holder close detect switch
- S900: Stop switch (■)
- S901: Rewind switch (➡️)
- S902: Reverse side playback switch (⬅️)
- S903: Forward side playback switch (➡️)
- S904: Fast forward switch (➡️)
- S905: Record pause switch (● REC PAUSE)
- S906: Cassette tray open/close switch (▲ OPEN/CLOSE)
- S907: Reverse mode select switch (REV MODE)
- S908: Dolby noise reduction switch (DOLBY NR)
- S909: Counter switch (COUNTER)
- S910: Counter reset switch (RESET)
- S911: Tape Program Sensor switch (TPS SKIP)
- S971: Mode detect switch
- S972: Half detect switch
- S973: ATS/CrO2 detect switch
- S974: Reverse record inhibit switch
- S975: Forward record inhibit switch
- S976: ATS/METAL detect switch
- VR102: Playback gain adjustment VR (R ch)
- VR103: Playback gain adjustment VR (L ch)
- VR803: Tape speed adjustment VR

Indicated voltage values are the standard values for the unit measured by the DC electronic circuit tester (high-impedance) with the chassis taken as standard. Therefore, there may exist some errors in the voltage values, depending on the internal impedance of the DC circuit tester.

No mark : Playback
( ) : Recording

Important safety notice:

Components identified by ▲ mark have special characteristics important for safety.

Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used.

When replacing any of components, be sure to use only manufacturer's specified parts shown in the parts list.

The supply part number is described alone in the replacement parts list.

Caution!

IC and LSI are sensitive to static electricity.