

2030

SERVICE MANUAL



FISHER

COMPACT DISC AUDIO COMPONENT SYSTEM WITH WIRELESS REMOTE CONTROL RTAD-M90

TAD-M90

(EUROPE)



132 357 40

SPECIFICATIONS

Tuner Section

FM
 Frequencies received 87.50 ~ 108.00 MHz
 DIN practical sensitivity (mono) 1.2 μ V
 S/N ratio 70 dB (mono, 1 mV, 40K DEV.)
 Harmonic distortion 0.1 % (mono, 1 kHz)
 Stereo separation 40 dB (1 kHz)
 Image frequency interference ratio 70 dB

MW
 Frequencies received 522 ~ 1611 kHz
 Practical sensitivity 700 μ V/m
 S/N ratio 55 dB
 Image frequency interference ratio 35 dB
 Selectivity 35 dB
 IF interference ratio 65 dB

LW
 Frequencies received 153 ~ 360 kHz
 Practical sensitivity 1600 μ V/m
 S/N ratio 53 dB
 Image frequency interference ratio 48 dB
 Selectivity 40 dB
 IF interference ratio 65 dB

Amplifier Section

Output power (Front) 25 W (T.H.D 0.9 %)
 Input sensitivity/impedance
 PHONO 2.5 mV/50 k Ω
 AUX 150 mV/50 k Ω

DECK Section

Motor DC motor (DECK 1 and DECK 2)
 Head Hi-B hard permalloy head
 (DECK 1 playback head, DECK 2 recording head)
 Ferrite head (DECK 2 erasing head)
 Fast-forward/rewind time Approx. 110 sec. (C-60 tape)
 Tracks 4-track, 2-channel stereo
 S/N ratio (playback) 50 dB
 Frequency response 40 Hz ~ 14 kHz (metal tape)
 Wow and flutter 0.16 % (JIS UNWTD)

CD Player Section

Frequency response 20 Hz ~ 20 kHz
 Harmonic distortion Less than 0.04 % (1 kHz)
 S/N ratio 95 dB
 Wow and flutter Below measurable limits
 Optical pickup 3-beam laser
 Error correction CIRC
 Sampling frequency 44.1 kHz
 D/A conversion 16-bit linear
 Filter 8 Times Over Sampling Digital filter

General

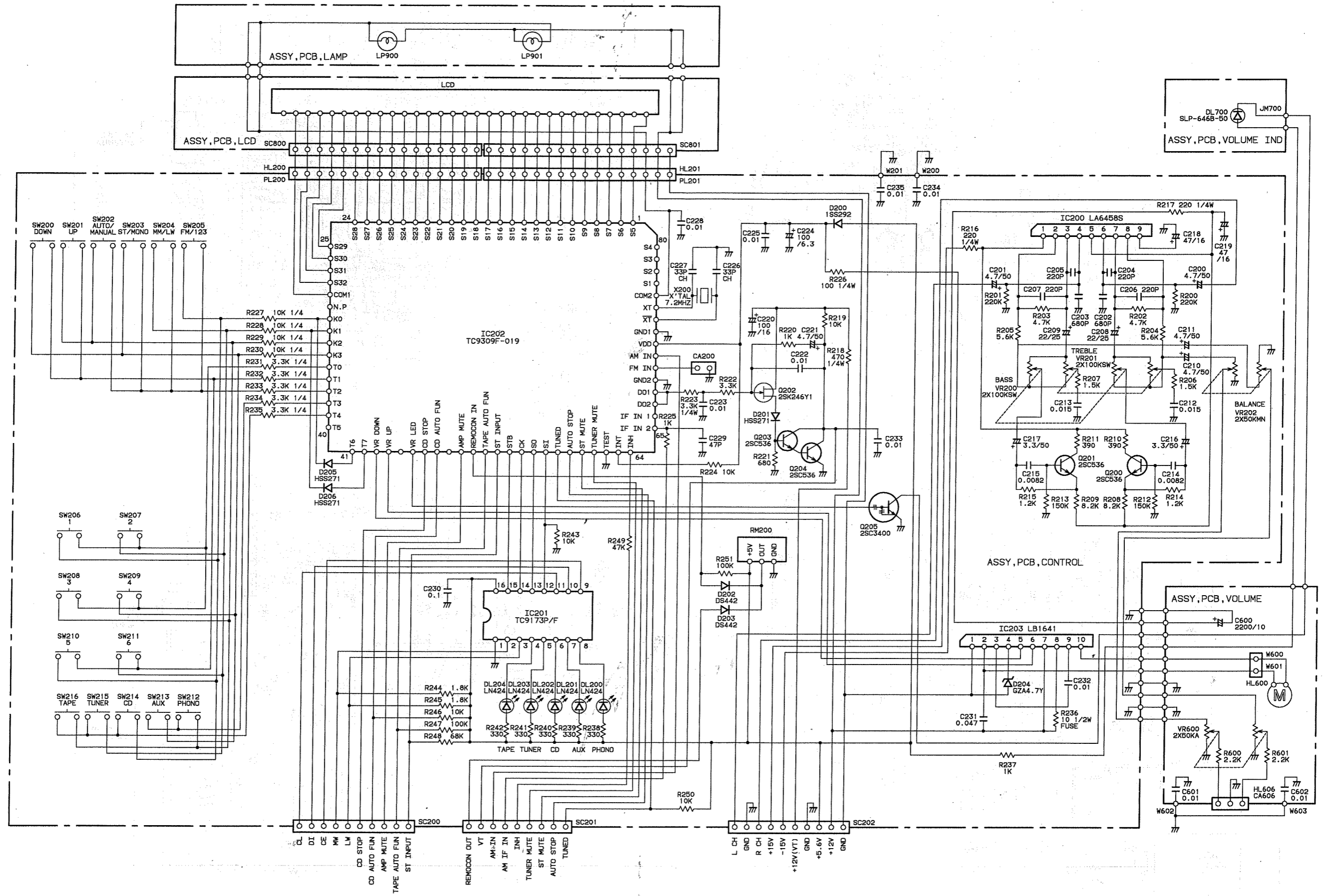
Power requirements AC: 220 V, 50 Hz
 Power consumption 150 W
 Dimensions (WxHxD) 360 x 355 x 309 mm
 Weight (approx.) 8.2 kg

Dolby is a registered trademark of Dolby Laboratories Licensing Corporation.

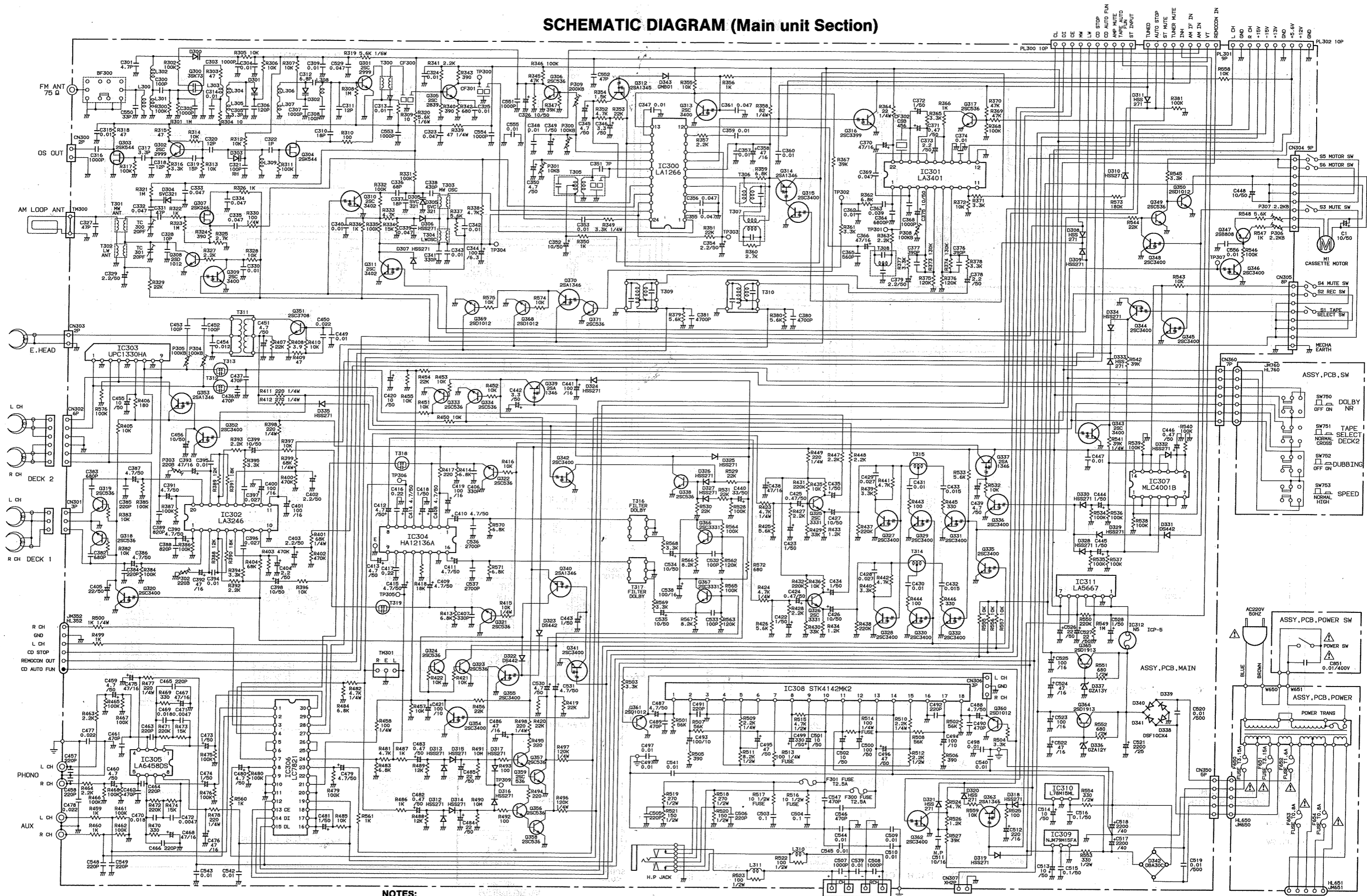
- Specifications and design are subject to change without notice. -

REFERENCE No. WM-570538

SCHEMATIC DIAGRAM (Amplifier Control Section)



SCHEMATIC DIAGRAM (Main unit Section)



NOTES:

1. All resistors are 1/4 watt or 1/6 watt 5% unless marked. Otherwise Resistor values are in ohms (K=1000 ohms, M=1000k ohms).
2. All capacitor values are in microfarads. (P=picofarads).
3. Δ is Safety Part. Use only replacement parts recommended by the manufacturer.
4. This is a basic schematic diagram.

WIRING DIAGRAM

