

SERVICE MANUAL



FISHER

COMPACT DISC PLAYER

AD-9020

(EUROPE)



137 351 40

SPECIFICATIONS

System Compact disc digital audio

AUDIO CHARACTERISTICS

Frequency Response 20 Hz — 20 kHz ± 0.7 dB

Harmonic Distortion Less than 0.008% (1 kHz)
(20kHz Low Pass Filter)

Dynamic Range More than 96 dB

S/N Ratio More than 100 dB

Wow and Flutter Below measurable limits

Channel Separation More than 95 dB (1 kHz)

Output Voltage (maximum) 2 Vrms

FUNCTIONS

Track/Program Selection With FFWD and FBACK buttons

Index Selection With SCAN/INDEX \blacktriangleright and \blacktriangleleft buttons
Scanning (fast forward/fast back)

Play mode: 2-speed search with sound

Pause mode: 2-speed search without sound

Each/Remain/Total Time Display With DISPLAY button
during the PLAY mode

PROGRAM FUNCTIONS

Program Memory 16 selections

Edit Disc Play

Tape Length Selection C-46, C-60, C-90

Display Side AB editing time display

Intros can Play 10 seconds/track

Random Play With the RANDOM PLAY button during
the PLAY mode

Repeat Play One track/all tracks/all programmed tracks

Program Reset With STOP button during
PROGRAMMED PLAY mode

Pause Each track

Disc Loading Motor-driven, horizontal loading

DIGITAL SIGNAL PROCESSING

Optical Pickup 3-beam laser

Sampling Frequency 44.1 kHz

Filters 18-bit, 8 times oversampling digital filter
2-pole active filter

D/A Conversion Advanced 1 Bit, D/A converters

GENERAL

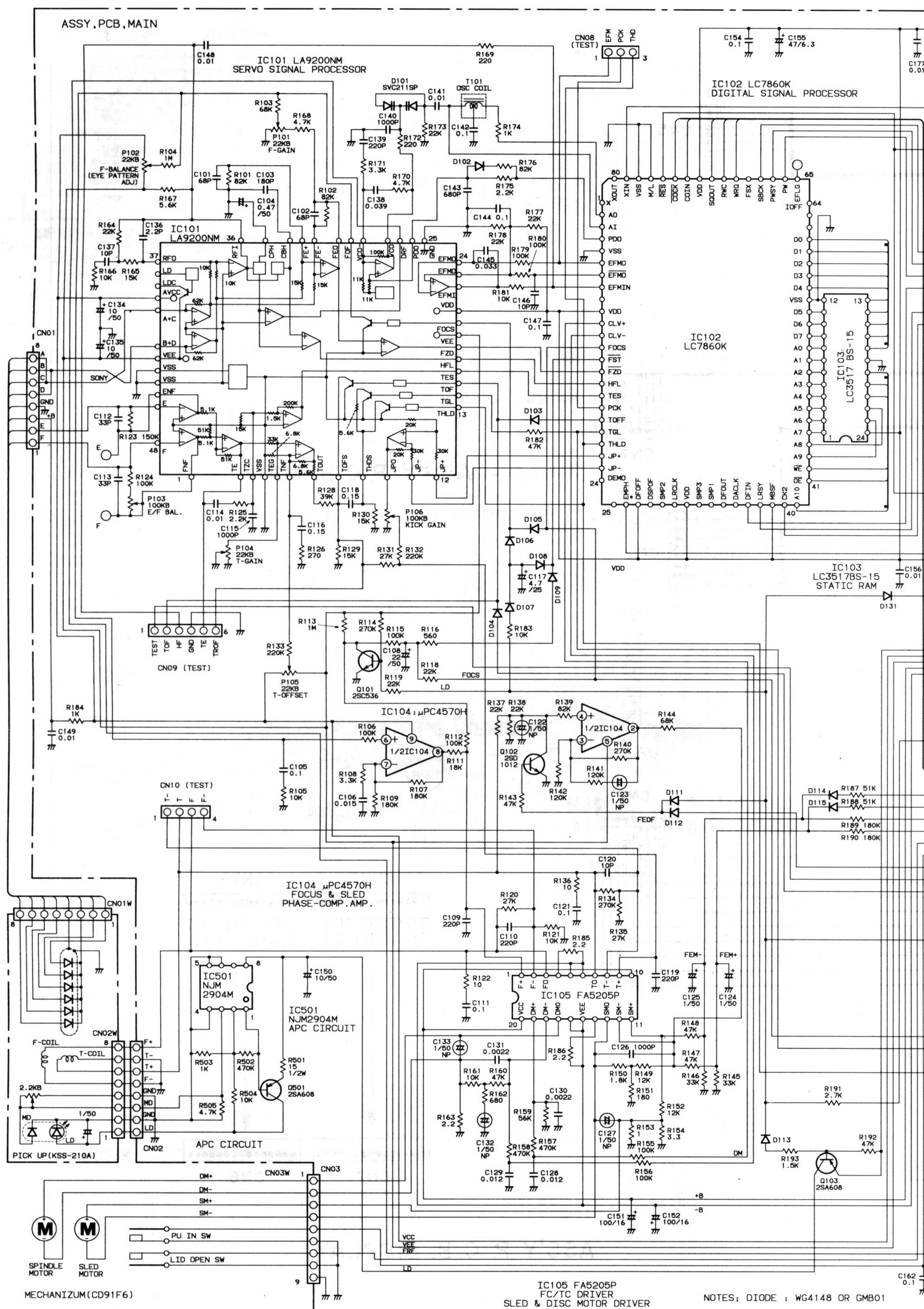
Power Requirements (50 Hz) AC 110/220V
20 Watts

Dimensions (WxHxD) 440 x 94 x 275 mm

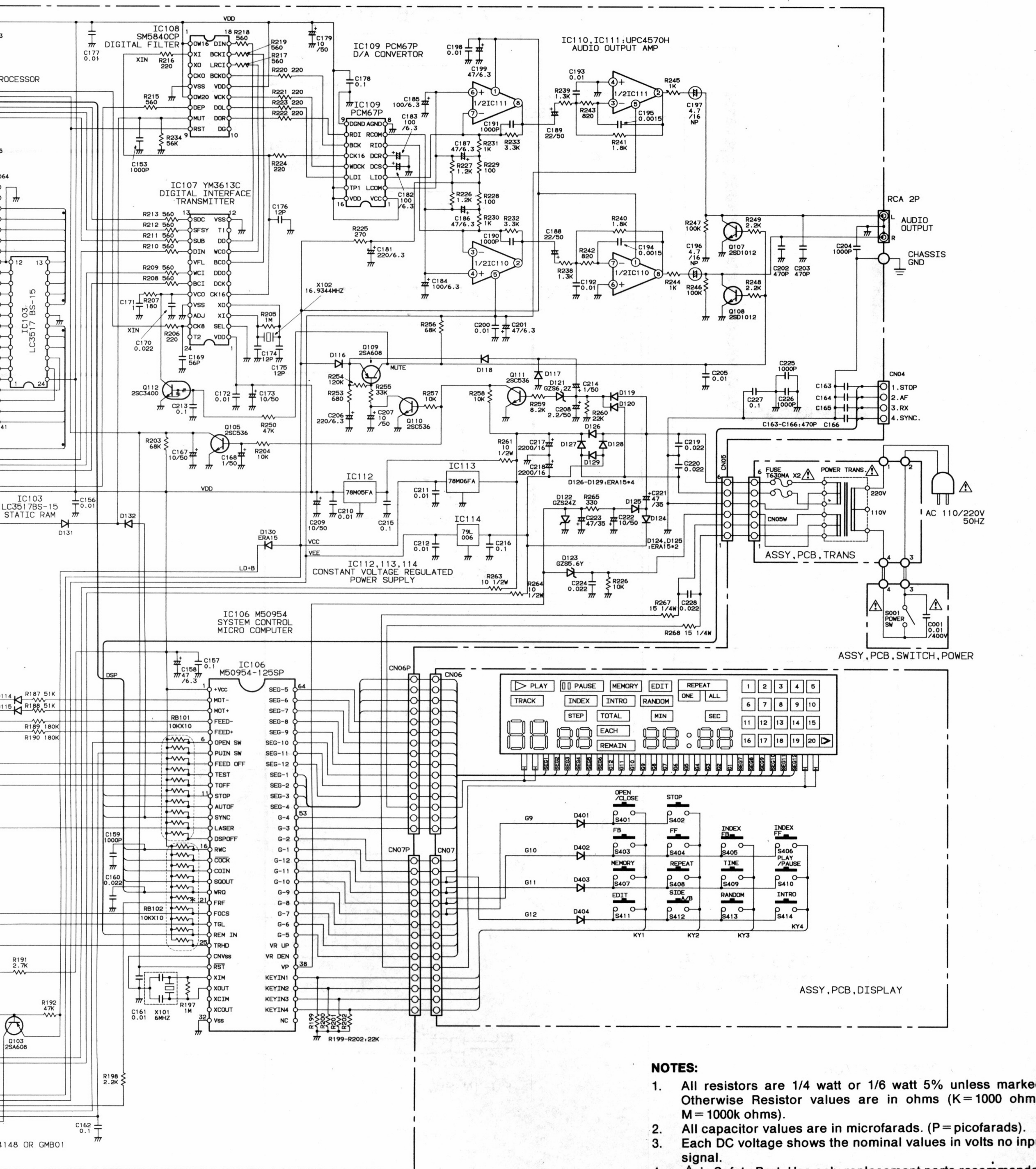
Weight (approximate) 3.5 kg

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

REFERENCE No. WM-570551



CHEMATIC DIAGRAM



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. Each DC voltage shows the nominal values in volts no input signal.
4. Δ is Safety Part. Use only replacement parts recommended by the manufacturer.
5. This is a basic schematic diagram.