

# SERVICE MANUAL



# FISHER

## AD-580

(EUROPE)

### Compact Disc Player



## SPECIFICATIONS

137 351 41

System ..... Compact disc digital audio

### AUDIO CHARACTERISTICS

Frequency Response ..... 20 Hz – 20 kHz  $\pm 0.7$  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

Introscan 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

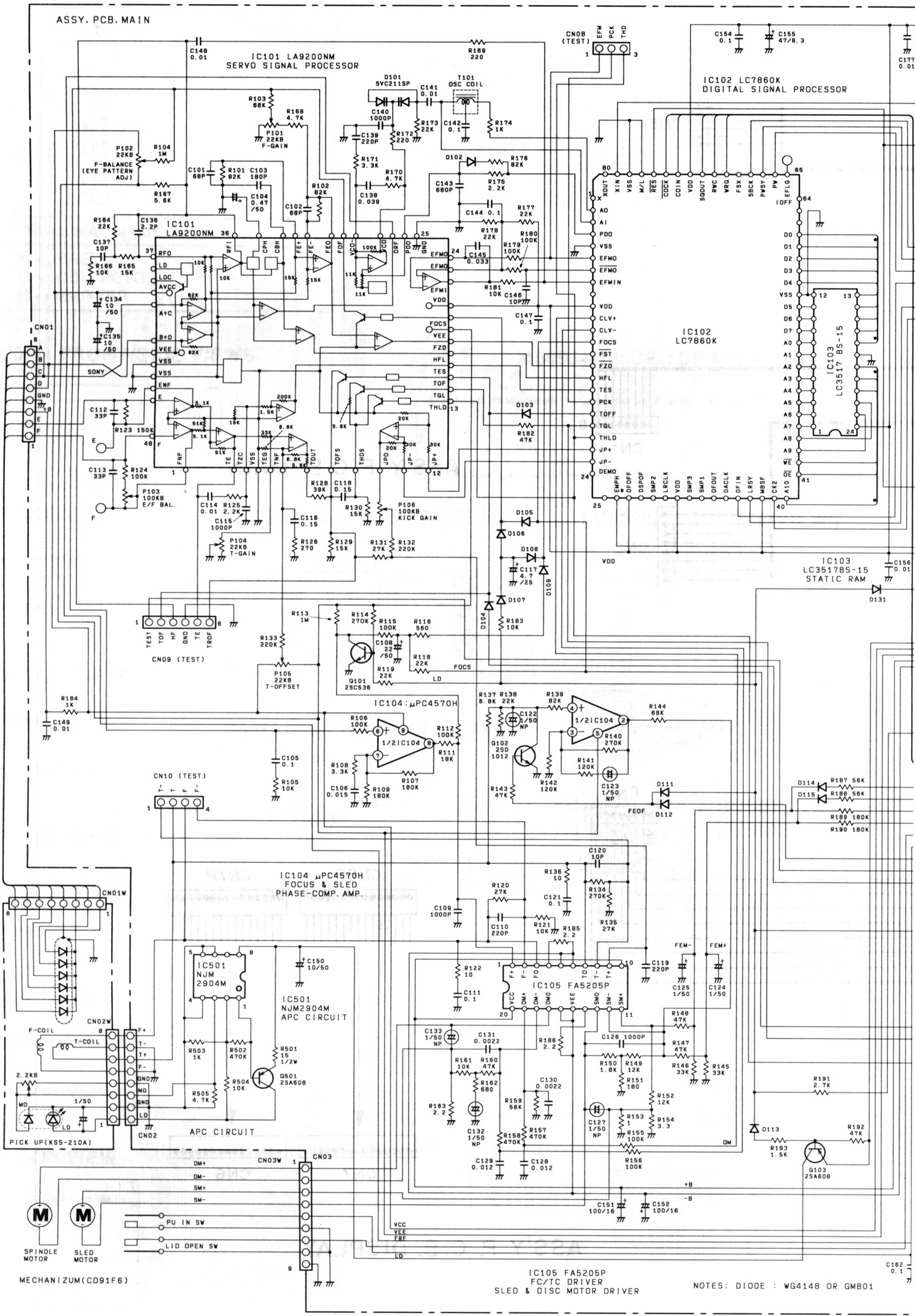
Dimensions (WxHxD) ..... 440 x 94 x 275 mm

Weight (approximate) ..... 3.5 kg

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

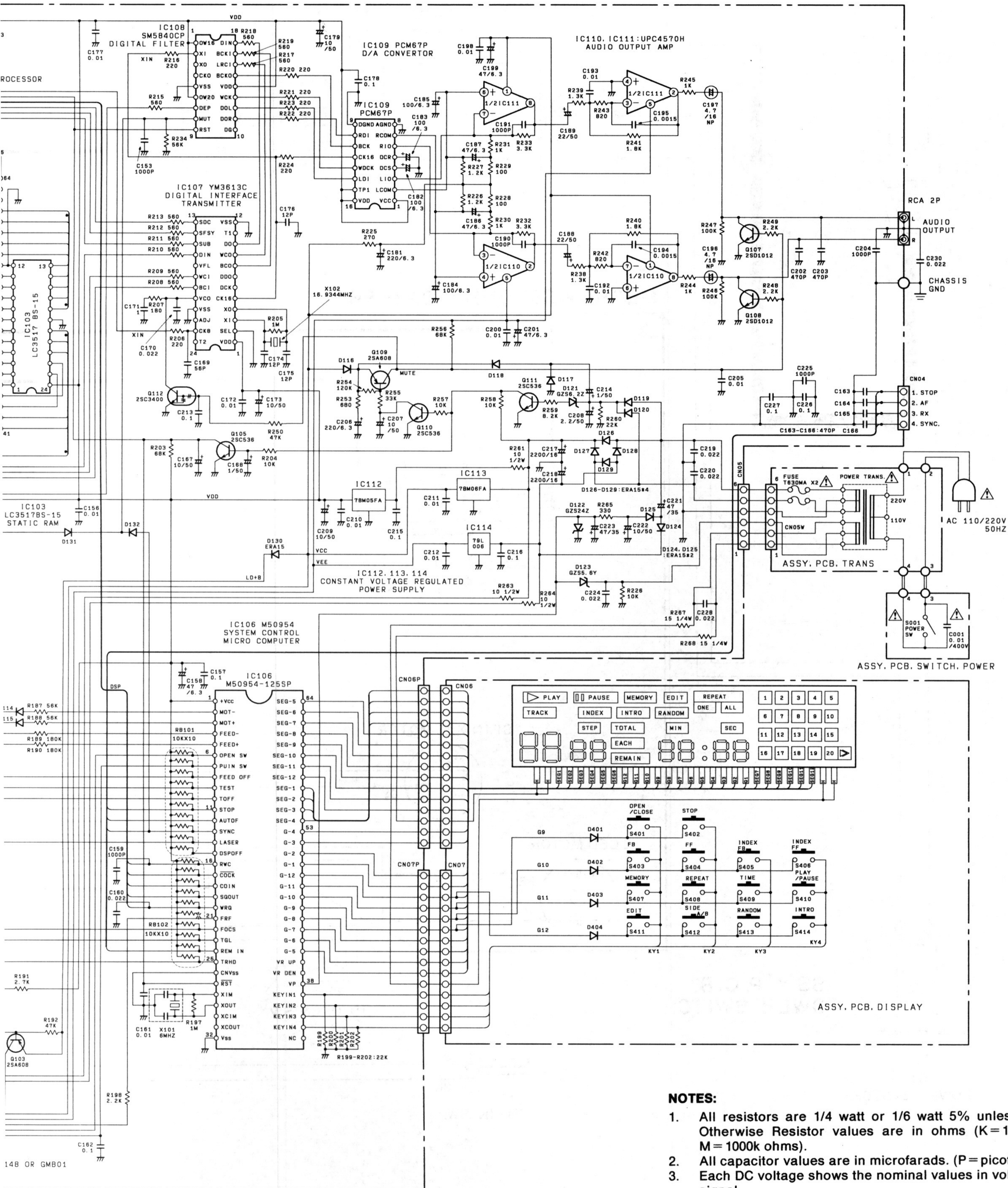
REFERENCE No. WM-570704







# 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. ⚠ is Safety Part. Use only replacement parts recommended by the manufacturer.
5. This is a basic schematic diagram.