SERVICE MANUAL

FISHER

COMPACT DISC PLAYER WITH RAD-9060 WIRELESS REMOTE CONTROL

AD-9060

(EUROPE)

137 355 40

SPECIFICATIONS

System ..... Compact disc digital audio
Remote Control (RAD-9060) ..... 25-function wireless remote control

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 ▶land◀ 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

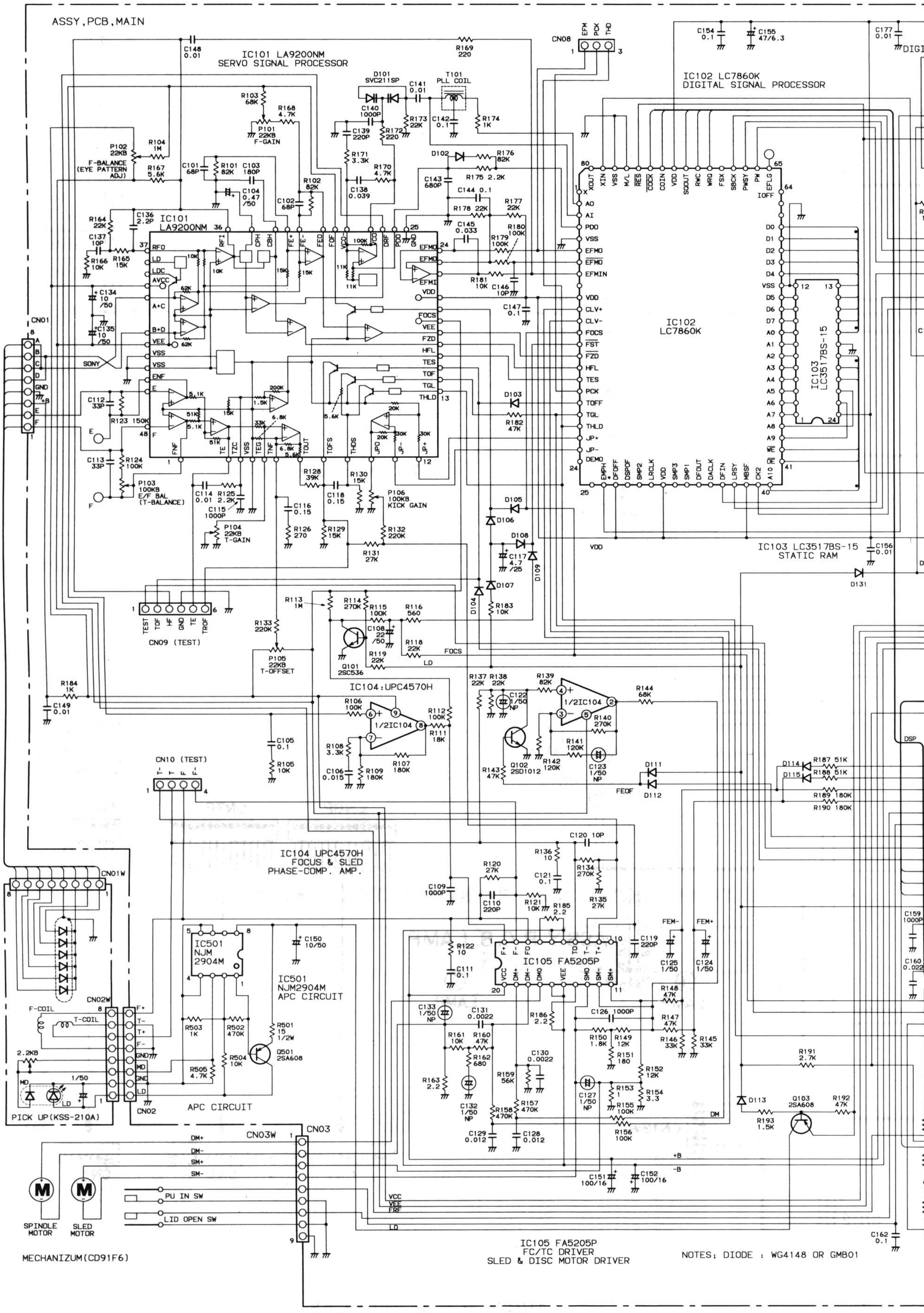
GENERAL

Power Requirements(50 Hz) ..... AC 110/220V 20 Watts
Dimensions (WxHxD) ..... 440 x 94 x 275 mm
Weight (approximate) ..... 3.6 kg

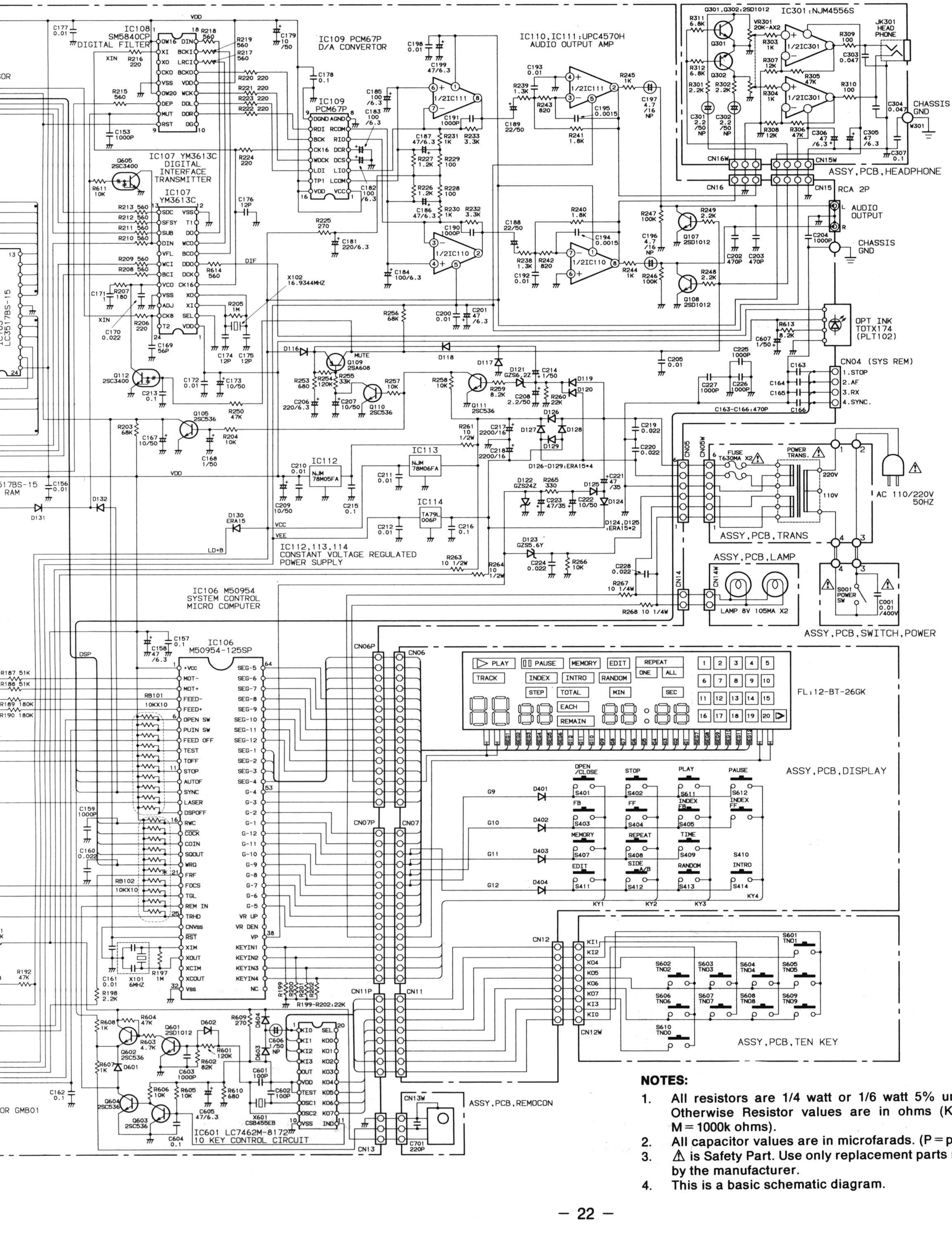
– Specifications and design are subject to change without notice. –

REFERENCE No. WM-570576

SCHEMATI


ASSY,PCB,MAIN
IC101 LA9200NM
SERVO SIGNAL PROCESSOR
IC101
LA9200NM
IC102 LC7860K
DIGITAL SIGNAL PROCESSOR
IC102
LC7860K
IC103
LC3517BS-15
IC103 LC3517BS-15
STATIC RAM
IC104:UPC4570H
IC104 UPC4570H
FOCUS & SLED
PHASE-COMP. AMP.
IC105 FA5205P
FC/TC DRIVER
SLED & DISC MOTOR DRIVER
IC501
NJM
2904M
IC501
NJM2904M
APC CIRCUIT
APC CIRCUIT
CN01
CN01W
CN02
CN02W
CN03
CN03W
CN08
CN09 (TEST)
CN10 (TEST)
PICK UP(KSS-210A)
MECHANIZUM(CD91F6)
SPINDLE
MOTOR
SLED
MOTOR
PU IN SW
LID OPEN SW
F-BALANCE
(EYE PATTERN
ADJ)
E-BALANCE
(T-BALANCE)
F-GAIN
T-GAIN
KICK GAIN
T-OFFSET
Q101
2SC536
Q102
2SD1012
Q103
2SA608
Q501
2SA608
D101
SVC211SP
T101
PLL COIL
1/2IC104
DSP
FEOF
FOCS
LD
VDD
VCC
VEE
FRF
DM
+B
-B
NOTES; DIODE : WG4148 OR GMB01

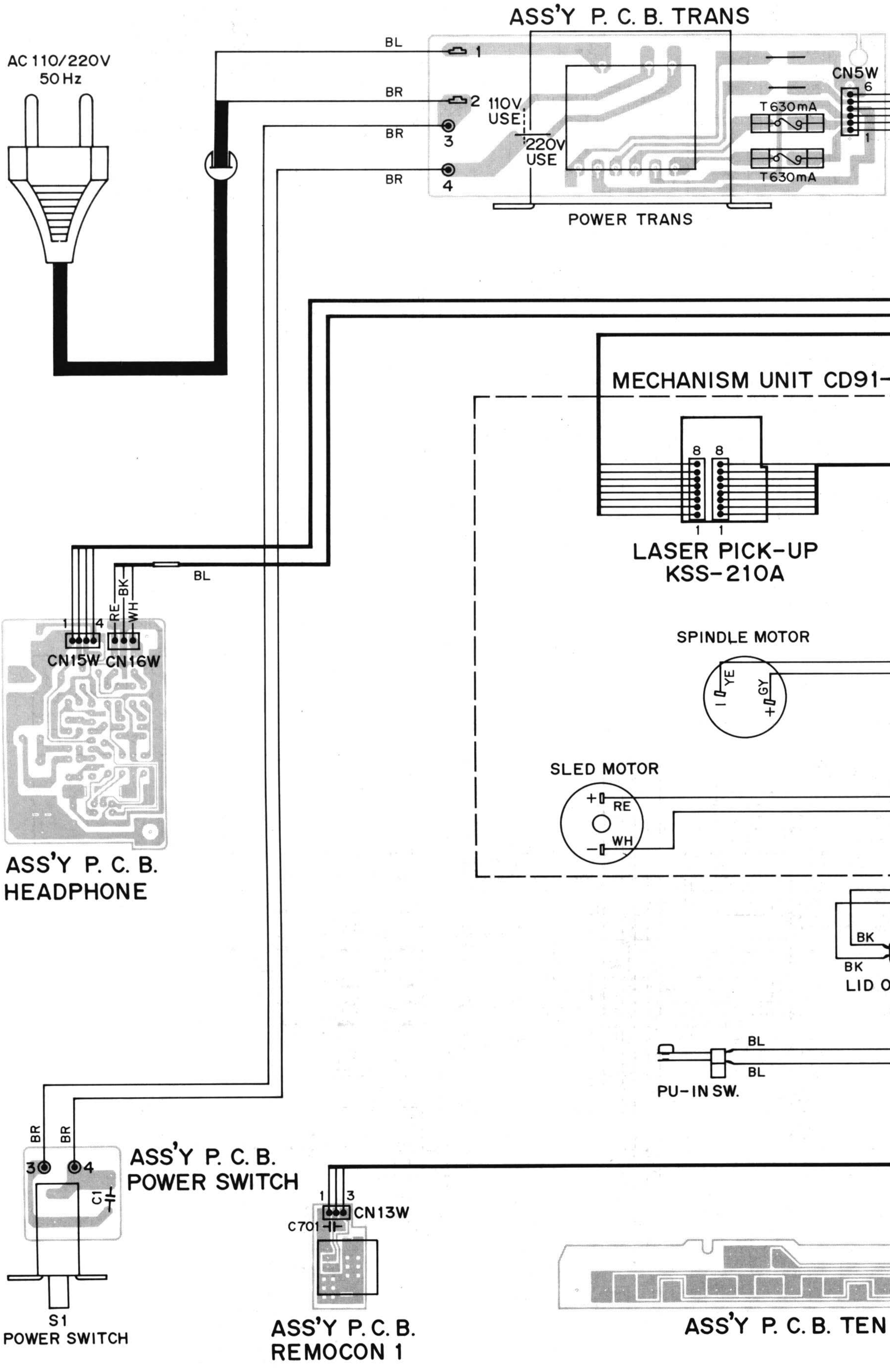
CHEMATIC DIAGRAM



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

POINT TO POINT WIRING D



IRING DIAGRAM