GROUND

5 WIRES TO PARASOUND

J102
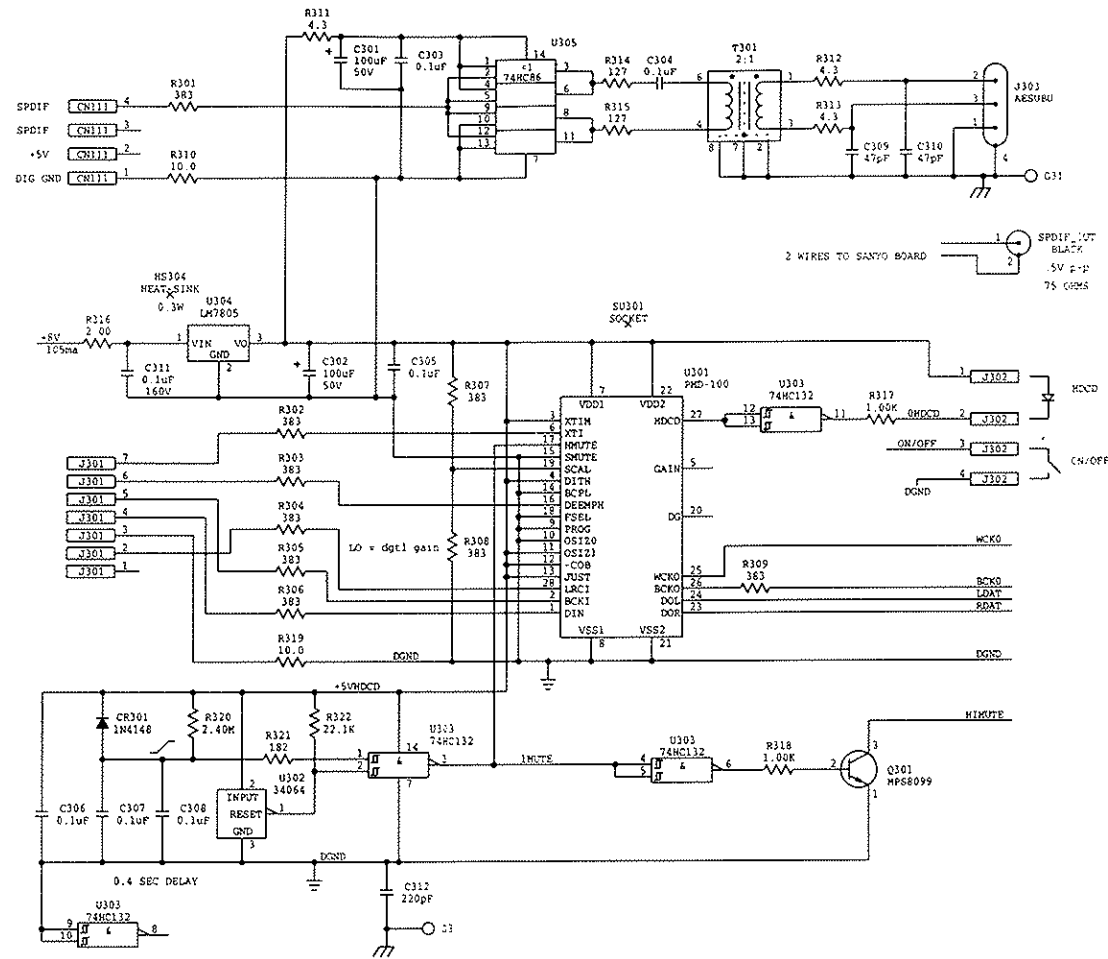J102
J102
J102
J102

1
2
3
4
5

470185

T101
560043

F1
4A  FH1

R101
34.8

C101
0.01uF

2N6075B
Q101

U108
MOC3163

R102
383

R1
0.00
115V

R3
0.00
230V

R2
0.00
115V

27V P-P. OC
1.6 OHM

27V P-P. OC
1.6 OHM

3.52 VAC OC
3.25VAC. .1A
2.4 OHMS

J101
EAC333

L  LIVE
G  GND
N  NEUTRAL

LIVE

C1
0.1uF
600V

P4
1 0M

L603
180uH

C2
3300pF

C3
3300pF

G1A

NEUTRAL

R103
475

F2
63mA

T102
1.6V

115V

115V

7V

7V

3
11
4
12
5
13
6
14

CR101
2KBP02M

U105
LM7805

270=24.0
135=12.0
120=10.7
90=8

VIN  GND  VO

C102
1000uF
50V

C103
0.1uF
160V

W105

C120
100uF
50V

+5

5VA, PC MOUNT
NANG.$4.50

V=.04K7/1=.3V

C109
0.1uF

R104
475K

C110
0.1uF

U106
74HC14

R106
2.40K

U107

R105
22.1K

ON/OFF

C111
0.1uF

74HC74

4  S
CL
1D
R

3
1
10
12
11
13

14

5
9
8
7

6

R=Q low
S=Q hi

U106
74HC14
3          4

U106
74HC14
5          6

U106
74HC14
7          8

U106
74HC14
11          10

U106
74HC14
13          12

W106

CR102
2KBP02M

135=25
120=22
90=16.5

HS101
HEAT SINK
1.6W

U101
LM7812
VIN  GND  VO

CR104
1N4002

CR105
1N4002

CR106
1N4002

C112
2200uF
50V

C113
2200uF
50V

W101

C104
0.1uF
160V

C116
100uF
50V

GND
+12A  120ma

W102  +-12GND

C114
2200uF
50V

C115
2200uF
50V

C105
0.1uF
160V

U102
LM7912
GND
VIN  VO

C117
100uF
50V

-12A  88ma

RIPPLE. VC=IT
V=.12X7MS/4.4MF
V=.2VP-P

HS102
HEAT SINK
1.1W

CR107
1N4002

CR112
DB3

C108
0.1uF
160V

R107
182

C121
220pF

G1

CR103
2KBP02M

135=16.9
120=15.0
90=11.25

HS103
HEAT SINK
1.2W

U103
LM7808
VIN  GND  VO

CR108
1N4002

CR109
1N4002

CR110
1N4002

C124
2200uF
50V

C126
2200uF
50V

C122
2200uF
50V

W103

C106
0.1uF
160V

C118
100uF
50V

+8V  125ma

W104  +-8GND

C125
2200uF
50V

C127
2200uF
50V

C123
2200uF
50V

C107
0.1uF
160V

U104
LM7908
VIN  GND  VO

C119
100uF
50V

-8V  140ma

RIPPLE. VC=IT
V=.14X7MS/6.6MF
V=.15VP-P

HS104
HEAT SINK
1.3W

CR111
1N4002

7808.SYM

7908.SYM

U201
LC6554H

U202

U203
TFMS_5380

R201 100K
R202 100K
R203 100K
R204 100K

R205 22.1K
R206 22.1K
R207 22.1K
R208 22.1K

R209 22.1K
R210 22.1

C201 100uF 10V
C202 100uF 10V
C204 0.1uF
C205 0.1uF
C203 100uF 10V
C206 220pF

Y201 4.32MHz

S201 PLAY/PAUSE
S202 STOP
S203 OPEN/CLOSE
S204 B_SCAN
S205 F_SCAN
S206 BACK_TRACK
S207 NEXT_TRACK
S208 ON/OFF

CR201 1N4148
CR202 1N4148
CR203 HDCD RED

J201
J203
J204
J203A
J203B
J204A
J204B

VP
F
F
VDD
GND
O/CSW
PWIN
SMUTE

RESET
TEST
CLOSE
OPEN
DOUT
DIN
/SCK
WO
R/W
LASER

FP+5V
FPGND
FP+5V

4 PIN CABLE

CLASSE REMOTE IS NEC, SANYO RCVR IS NEC

| REV | | CLASSÉ AUDIO INC |
|---|---|---|
| 0 | | |
| | | TITLE |
| | | CDP1.5 FRONT PANEL |
| | | DRAWING NO. |
| | | 820040   SHEET2 OF 6 |

SPDIF CN111 4
SPDIF CN111 3
+5V CN111 2
DIG GND CN111 1

R301 3R3
R310 10.0

R311 4.3
C301 100uF 50V
C303 0.1uF
U305 74HC86
R314 127
C304 0.1uF
T301 2:1
R312 4.3
R315 127
R313 4.3
C309 47pF
C310 47pF
J303 AES/EBU

C31

2 WIRES TO SANYO BOARD
SPDIF_OUT
BLACK
.5V p-p
75 OHMS

HS304 HEAT SINK 0.3W
U304 LM7805
R316 2.00
+8V 105ma
C311 0.1uF 160V
C302 100uF 50V
C305 0.1uF
R307 383
VIN VO GND

SU301 SOCKET
U301 PMD-100
U303 74HC132
R317 1.00K
HDCD
0HDCD J302
ON/OFF J302 ON/OFF
DGND J302

R302 383
R303 383
R304 383
R305 383
R306 383
R319 10.0

J301 7
J301 6
J301 5
J301 4
J301 3
J301 2
J301 1

VDD1 VDD2
XTIM
XTI
HMUTE
SMUTE
SCAL
DITN
BCPL
DEEMPH
FSEL
PROG
OSIZ0
OSIZ1
-COB
JUST
LRCI
BCKI
DIN
VSS1 VSS2

LO = dgtl gain
R308 383

MDCD
GAIN
DG
WCKO
BCKO
DOL
DOR

R309 383

WCKO
BCKO
LDAT
RDAT
DGND

DGND

+5VHDCD
CR301 1N4148
R320 2.40M
R321 182
R322 22.1K
U302 34064
INPUT RESET GND
U303 74HC132
1MUTE
U303 74HC132
R318 1.00K
Q301 MPS8099
HMUTE

C306 0.1uF
C307 0.1uF
C308 0.1uF

0.4 SEC DELAY

C312 220pF
C3

U303 74HC132

CLASSÉ AUDIO INC

TITLE
CDP1.5 I/O & HDCD

DRAWING NO.
820040   SHEET 3 OF

NOTES:
DAC = 1.2 MA X 3.09K = 3.708V PEAK
2.621V RMS
HDCD IS -1DB = 891
1L=.86
FS = 2.00V RMS

RC/340NS
LP=340KHz
0.1dB@ 50KHz

3 POLE CHEB, .01DB RIPPLE
IL = 0.86
RL = 10.0K
51.2 KHz
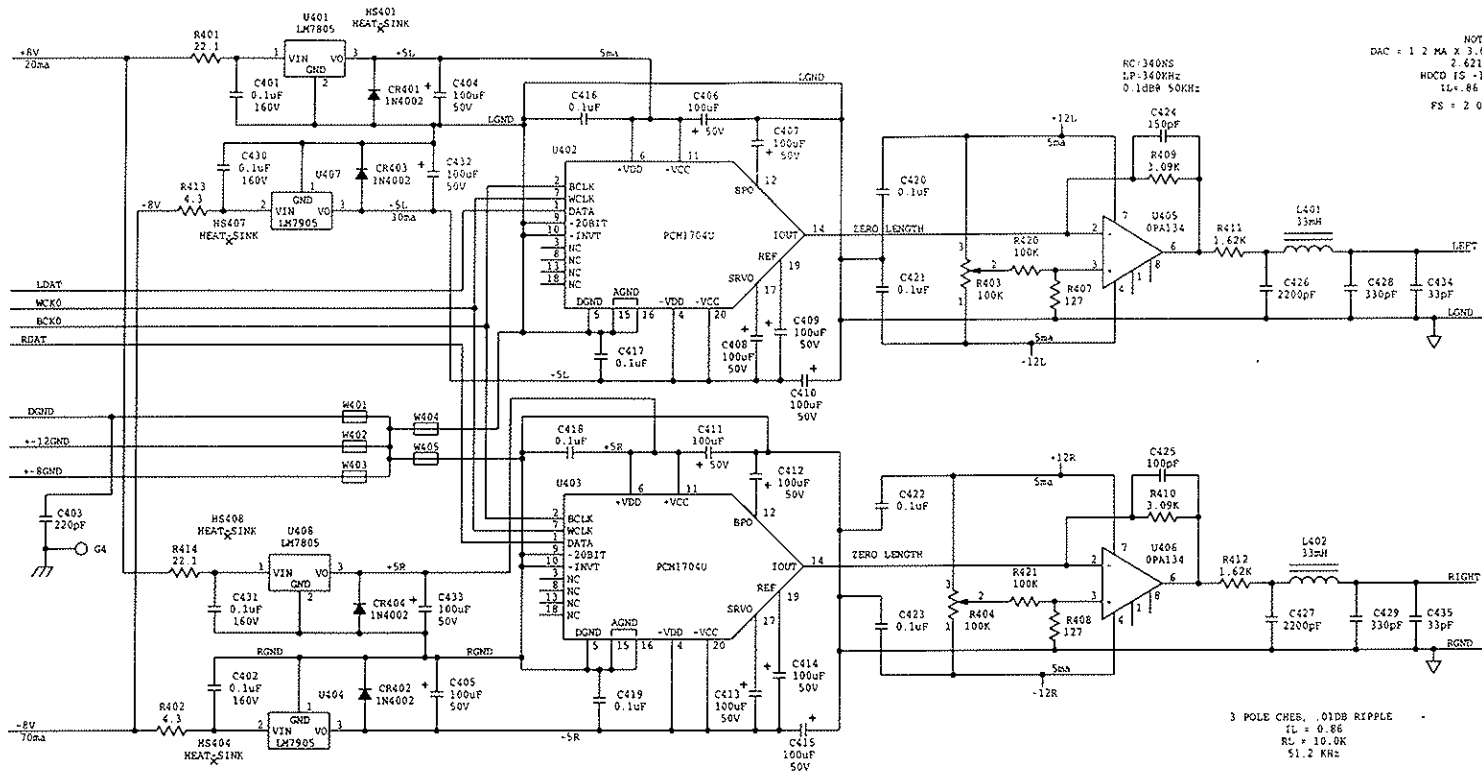
| REV | | CLASSÉ AUDIO INC | |
|-----|---|---|---|
| 0 | | | |
| | | TITLE | |
| | | 24 BIT DACs | |
| | | DRAWING NO. | |
| | | 820040 | SHEET 4 OF |
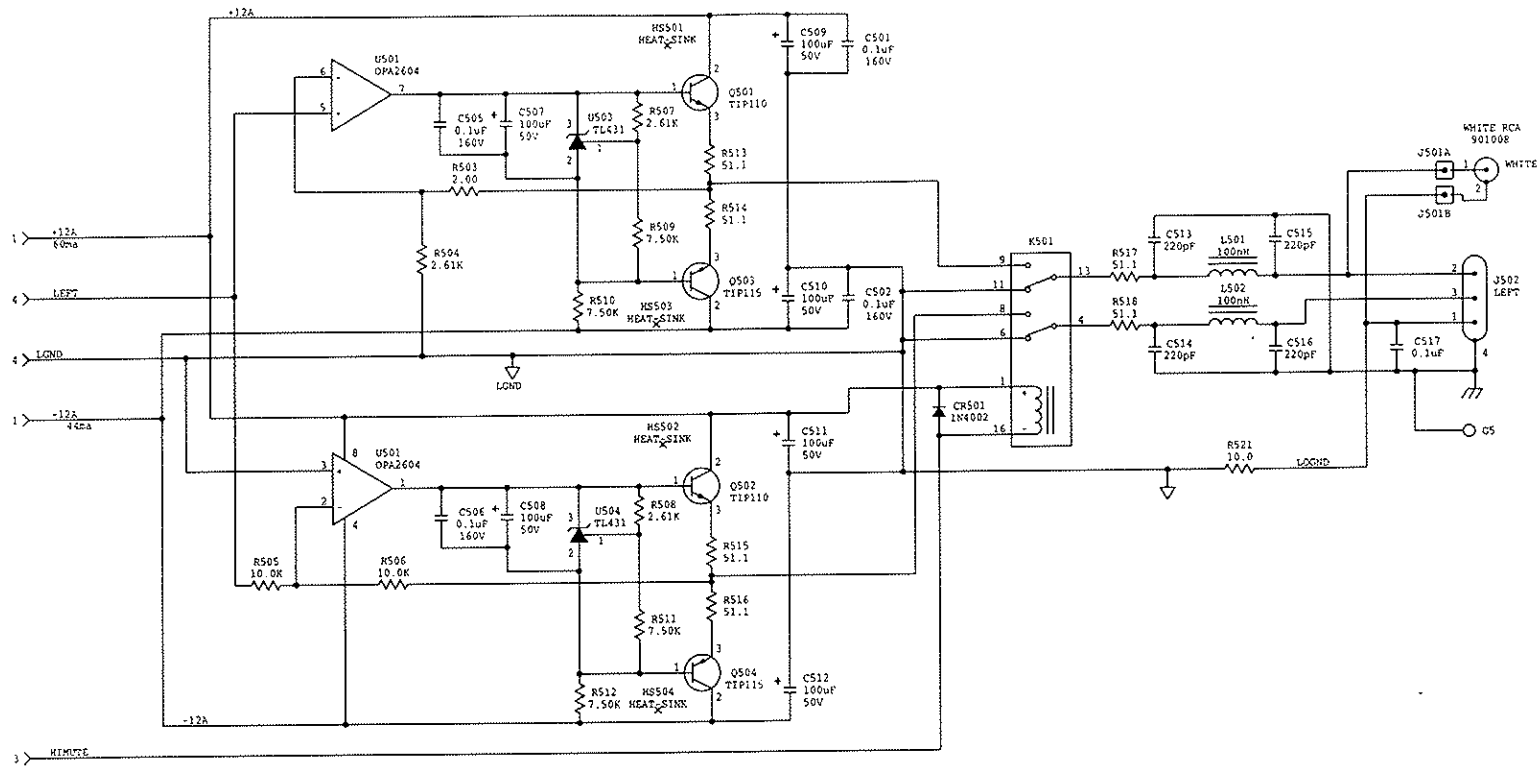
**CLASSÉ AUDIO INC**

| REV | |
|---|---|
| 0 | |

TITLE

**LEFT OUTPUT**

| DRAWING NO. | | |
|---|---|---|
| | 820040 | SHEET 5 O |
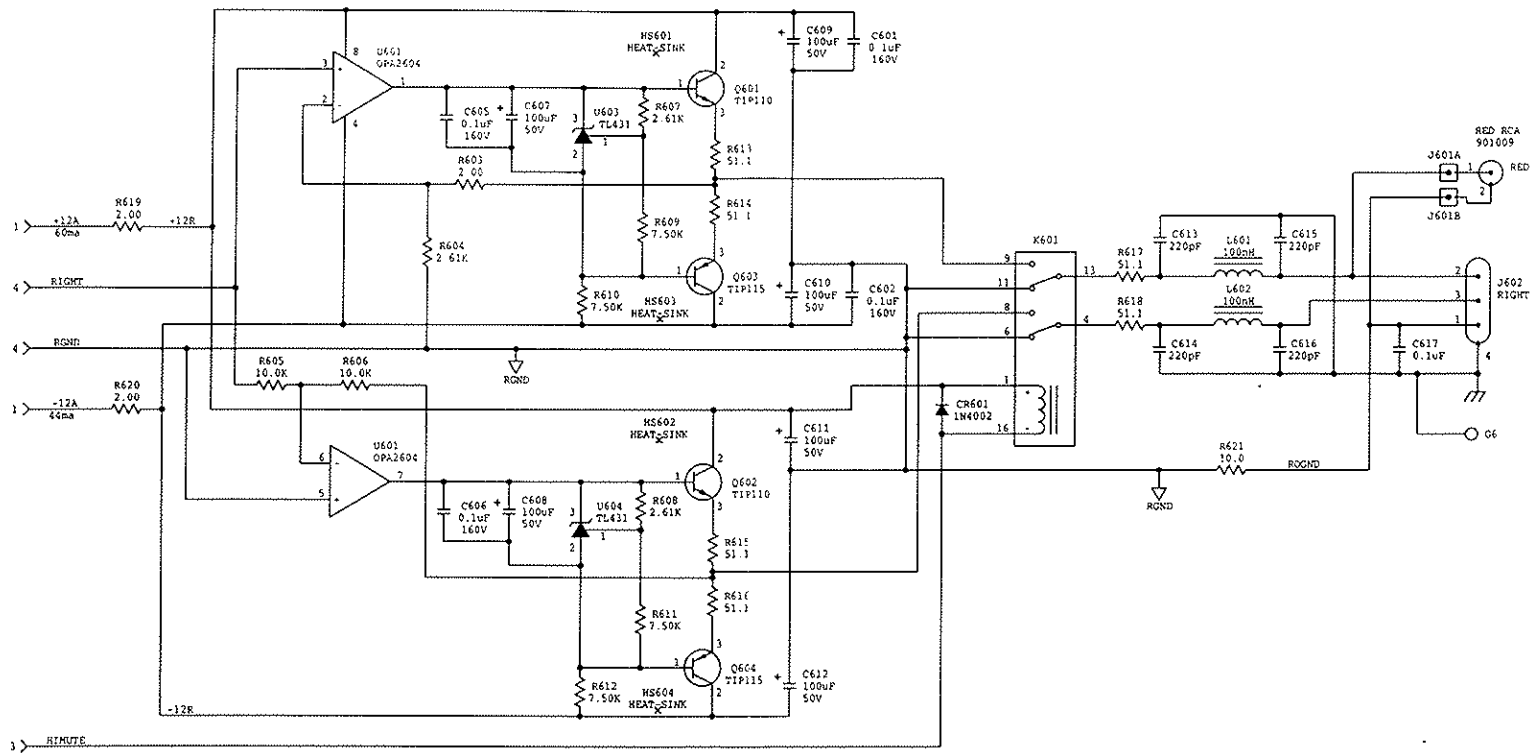
CLASSÉ AUDIO INC

TITLE

CDP1.5 RIGHT OUTPUT

DRAWING NO. 820040 SHEET 6 OF

# Procedure for CDP- 1.5

Parts:
1. Chassis (includes)
   a) rubber base or feet
   b) 1 RCA jack red and 2 RCA jack white.
   c) Mechanism brass stand off.
2. Supply, output board with A.C receptacle socket and Neutrik socket.
3. Display board with 6 pin connector.
4. Servo board with 6 pin connector.
5. CDP 1.5 mechanism kit.
6. Wires:(descriptions connections)
   a) 4 pin terminal (both end) 18" wire from output board CN111 to servo CN111
   b) 5 pin terminal (both end) 13" wire output board J102 to servo CN101
   c) 4 pin terminal (both end) 9" wire output board J302 to display J201
   d) 2" wire chassis ground to ac term.
   e) 8 pin terminal (both side) 12" wire display J203 to servo CN110
   f) 10 pin terminal (both side) 12" wire display J204 to servo CN108
   g) 14" black & orange connected @ servo JK101 to RCA jack terminal COAXIAL output (black for chassis grd) (orange for RCA jack) + bass wire * from servo  6 pin to output J301
7. Cover

Procedures of assembly:

Chassis preparation: Same as the CDP.3

Step 1:

A) Supply & output Board, install by using silver socket drive crew w/lock washer, but before fixing be sure that the wires are properly installed to their respective terminals, as per instructed
B) The wires connection & description (see part 6) ac receptacle & Neutrik socket are properly fixed to the hole & using the black

socket drive screw.  Then put the bass wire from output board J501A & J601A to the RCA jack RED & RCA jack WHITE.  Bass wire GREEN from J501B & J601B to gold contact connector.

Step 2:

a) Display board W/ the switch board after fixing supply, output board next is the display board, but first you must be sure that the 10 pin & 8 pin connector terminals are properly installed @ the terminal @ the display board.  (See parts 6 for description) use silver socket screw W/lock washes.

Step 3:

a) Servo board installed by using silver socket screw W/lock washer. Please see pig 1 wire connection on (parts 6)
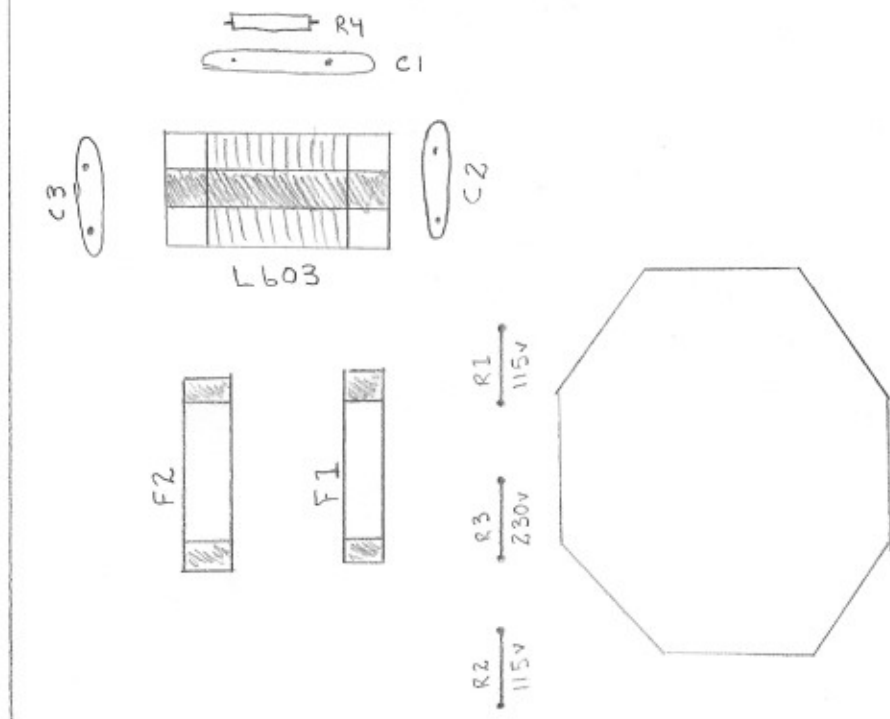
Step 4:

a)  CDP1.5 mechanism procedure:  Same as CDP.3
b)  Wire connection:  same as the CDP.3
c)  See fig @.3 pad

Step 5:

a) Testing, cover Q.C.

# CDP-1.5

BACK

R4

C1

C3

L603

C2

R1 115v

R3 230v

R2 115v

F2

F1

115v = R1 + R2   JUMPER

230v = R3   JUMPER