FILE NO.

SERVICE MANUAL

FISHER

TAD G80

(DE)

Mini Component System

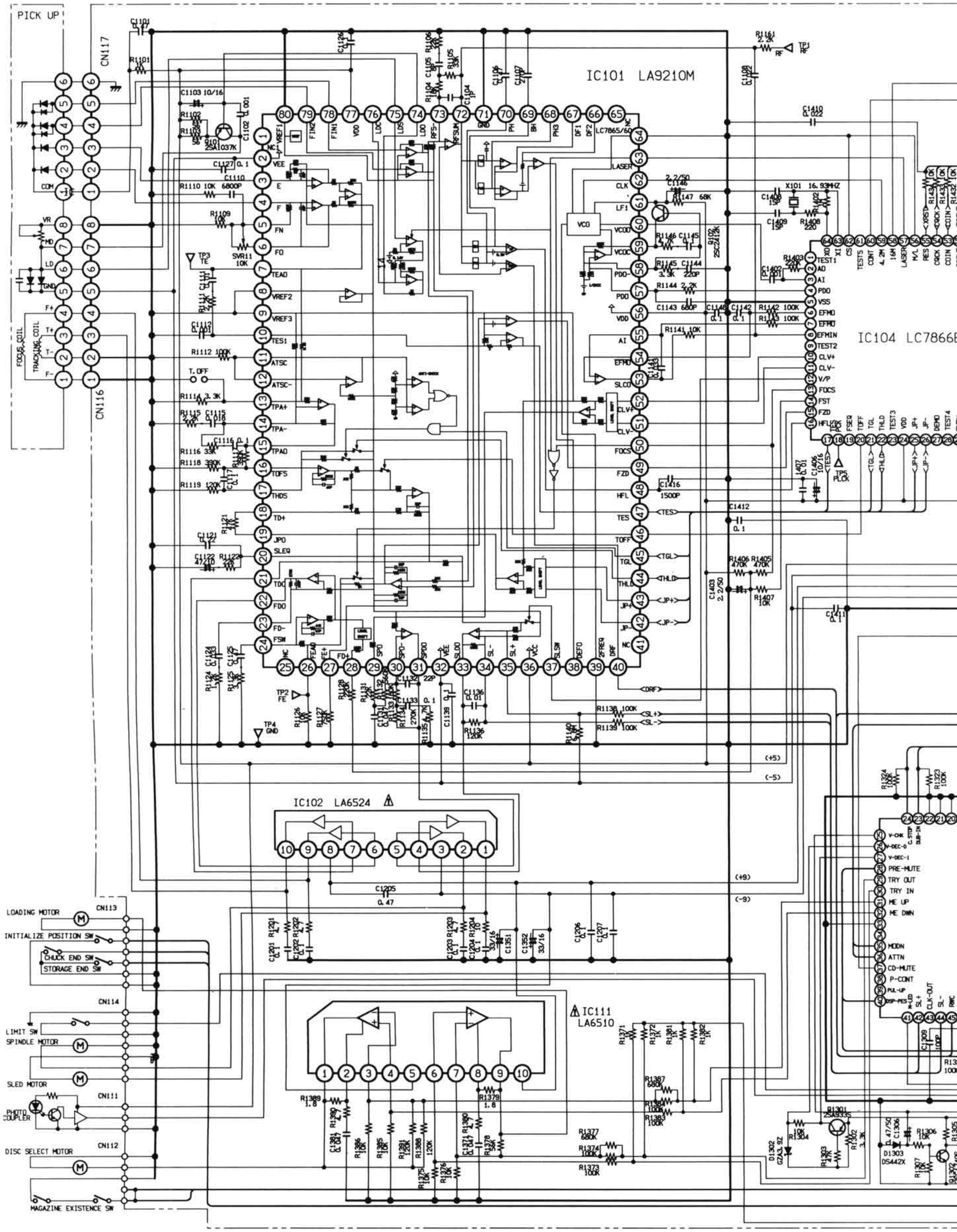
PRODUCT CODE No.
129 406 03

Contents

This Service manual is consist of "REM M50", "TUC G80", "CAC G80".

REFERENCE No. SM580069

SCHEMATIC DIAGRAM (CD)



IC104 LC7866E

IC103
MPD75517GF-114

IC105 SM5870DS

IC106 BA15218F

IC107 MS27805

IC108 NJM79L05

IC109 NJM78L05

CN161
1 AC
2 GND
3 AC
4 GND
5 +12V(LED)
6 V-CHK
7 +12V(Tu)
8 AMP. DATA
9 IR
10 AMP. CLK
11 AMP. BUSY
12 C-STOP
13 DUB-IN
14 KEY0
15 A-GND
16 CD-R-CH
17 Tu-R-CH
18 CD-L-CH
19 Tu-L-CH

CN131
+12V(LED)
+5V
IR
DIGITAL-E
RESET
VDD
PRE-MUTE
SUB-SO
SUB-SCK
SUB-BUSY
KEY3
KEY2
KEY1

CN132
KEY0
LED
+12V(Tu)
Tu-R-CH
GND
Tu-L-CH

TO AD BLOCK

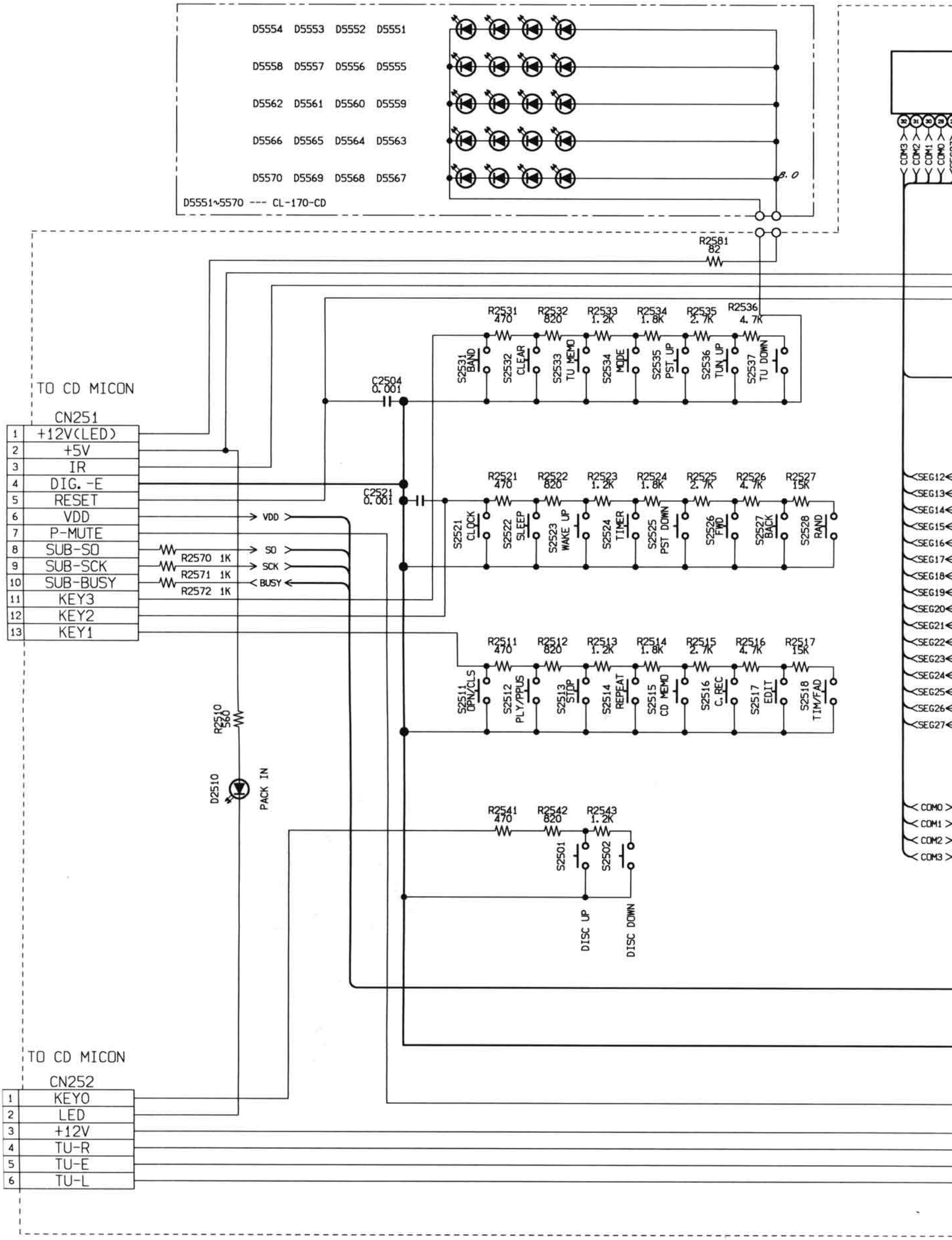
TO FRONT

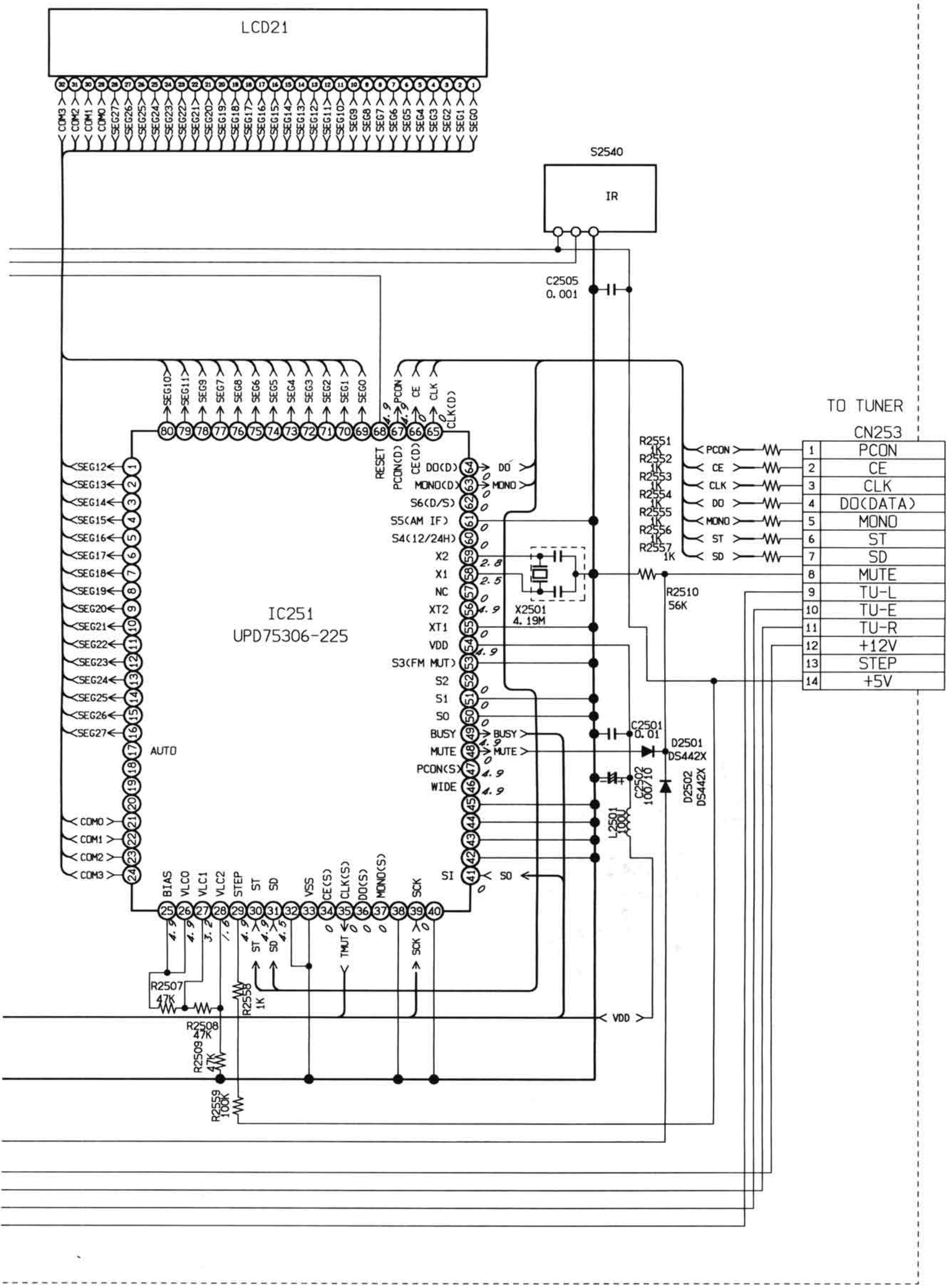
TO FRONT

D1601-1604:DSF10C OR 1SR35

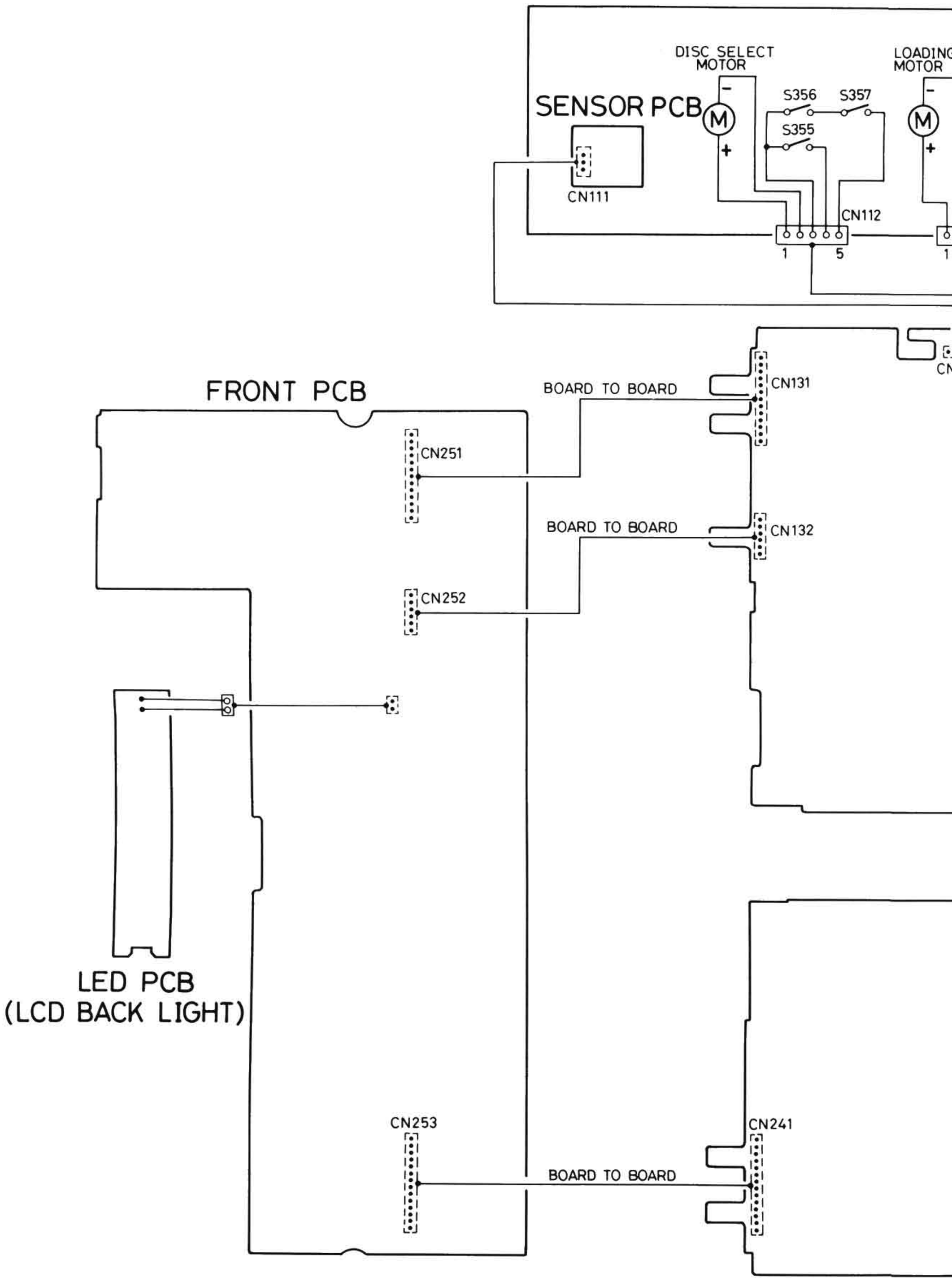
L1521. 1522:1AD4L26A00400

SCHEMATIC DIAGRAM (FRONT)




LCD21
COM3 COM2 COM1 COM0 SEG27 SEG26 SEG25 SEG24 SEG23 SEG22 SEG21 SEG20 SEG19 SEG18 SEG17 SEG16 SEG15 SEG14 SEG13 SEG12 SEG11 SEG10 SEG9 SEG8 SEG7 SEG6 SEG5 SEG4 SEG3 SEG2 SEG1 SEG0
S2540
IR
C2505
0. 001
IC251
UPD75306-225
AUTO
RESET
PCON(D)
CE(D)
DO(D)
MONO(D)
S6(D/S)
S5(AM IF)
S4(12/24H)
X2
X1
NC
XT2
XT1
VDD
S3(FM MUT)
S2
S1
SO
BUSY
MUTE
PCON(S)
WIDE
SI
SO
BIAS
VLC0
VLC1
VLC2
STEP
ST
SD
VSS
CE(S)
CLK(S)
DO(S)
MONO(S)
SCK
X2501
4. 19M
R2510
56K
R2551 1K
R2552 1K
R2553 1K
R2554 1K
R2555 1K
R2556 1K
R2557 1K
PCON
CE
CLK
DO
MONO
ST
SD
TO TUNER
CN253
1 PCON
2 CE
3 CLK
4 DO(DATA)
5 MONO
6 ST
7 SD
8 MUTE
9 TU-L
10 TU-E
11 TU-R
12 +12V
13 STEP
14 +5V
C2501
0. 01
D2501
DS442X
C2502
100/10
D2502
DS442X
L2501
1000
R2507
47K
R2508
47K
R2509
47K
R2558
1K
R2559
100K
TMUT
SCK
VDD

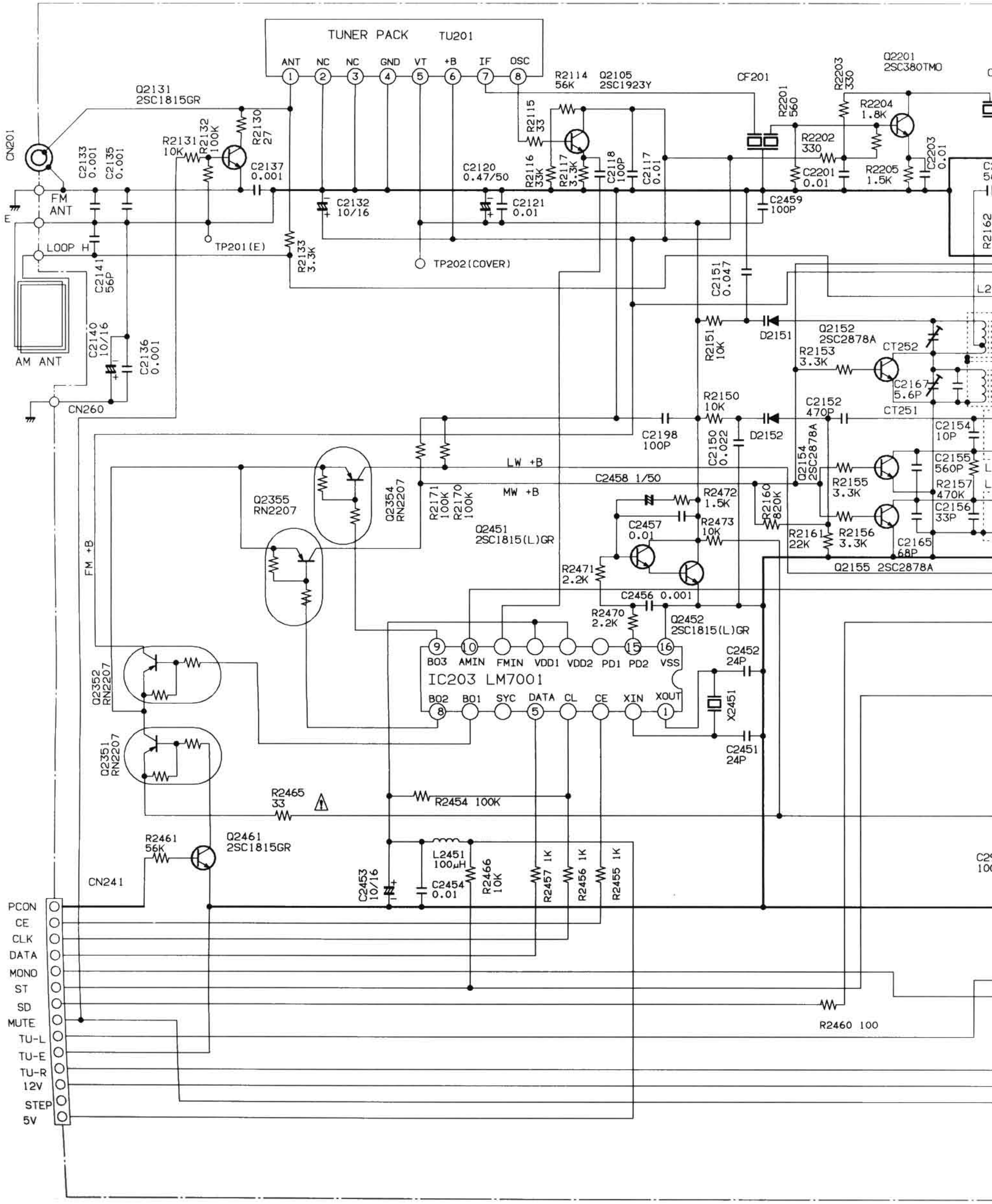
WIRING CONNECTION (TUNER / CD UNIT)

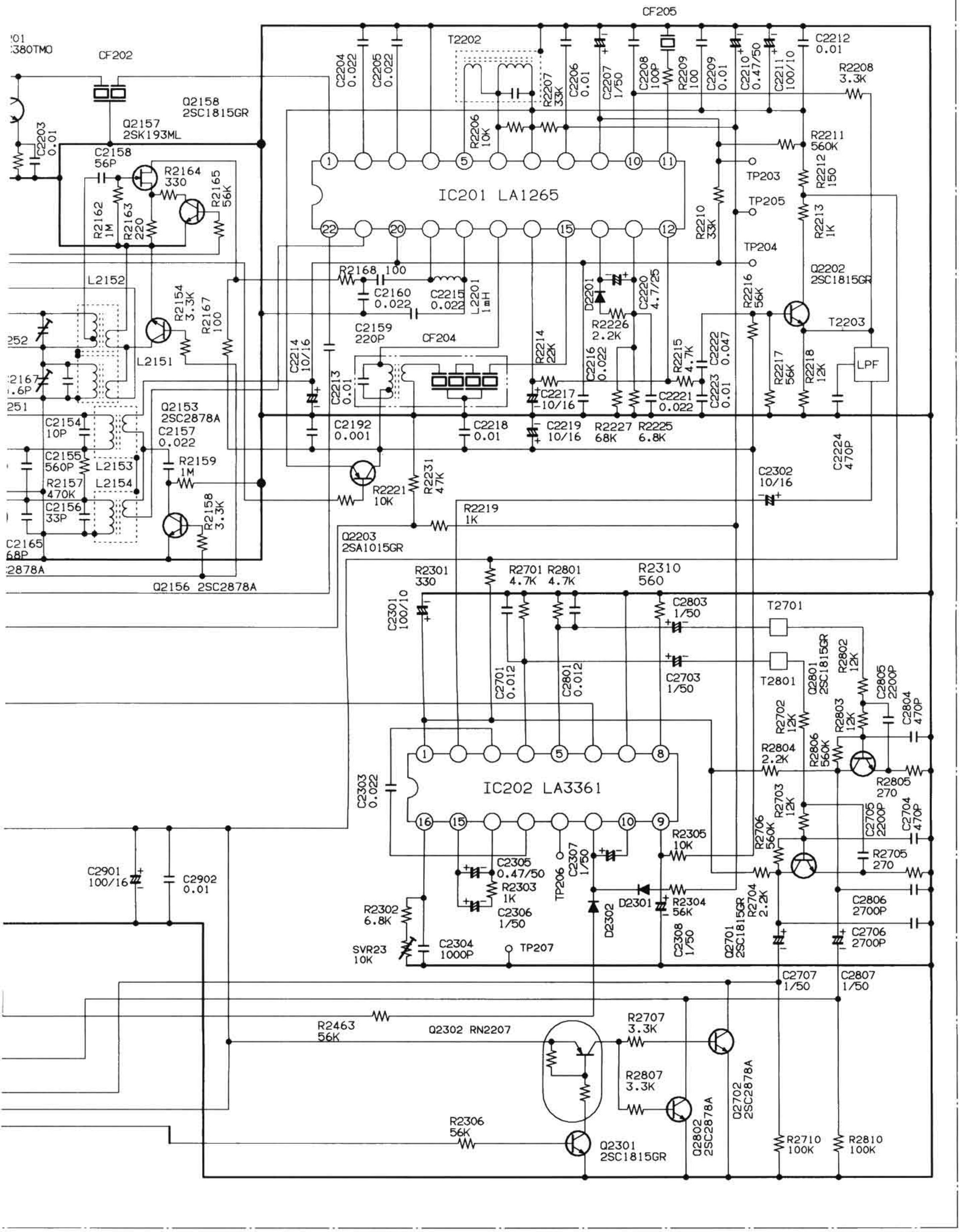


MECHANISM

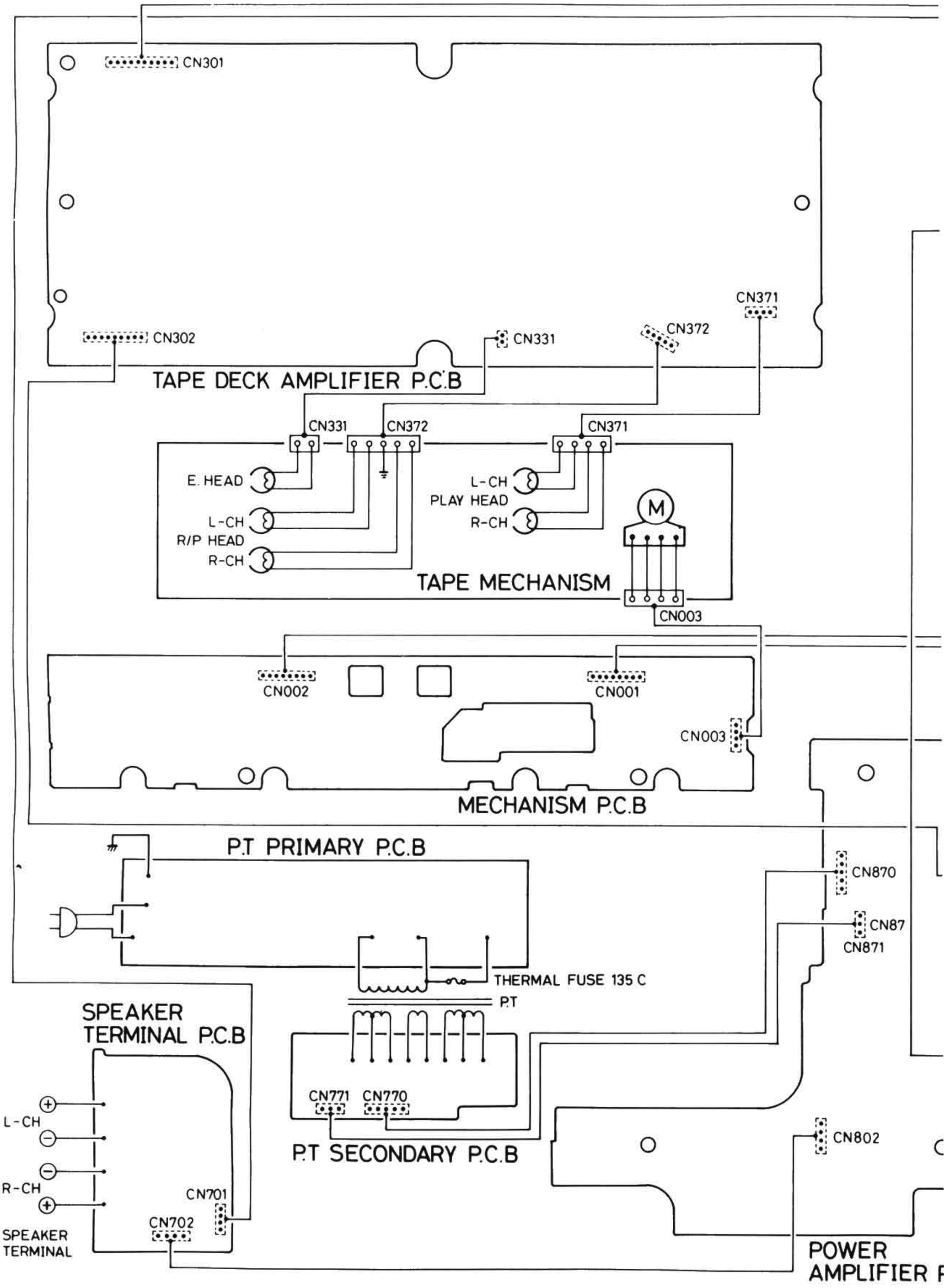
PICK UP
LOADING MOTOR
S351
S353
S352
S354
SPINDLE MOTOR
SLED MOTOR
PICK UP
DETECTOR
TRACKING COIL
FOCUS COIL
CN112
CN113
CN114
CN116
CN117
1
7
1
7
1
8
1
6
CN111
CN112
CN113
CN114
CN117
CN116
CN161
TO DECK/AMPLIFIER PCB
CD MICON PCB
FM ANT.
CN201
AM LOOP ANT.
TUNER PCB

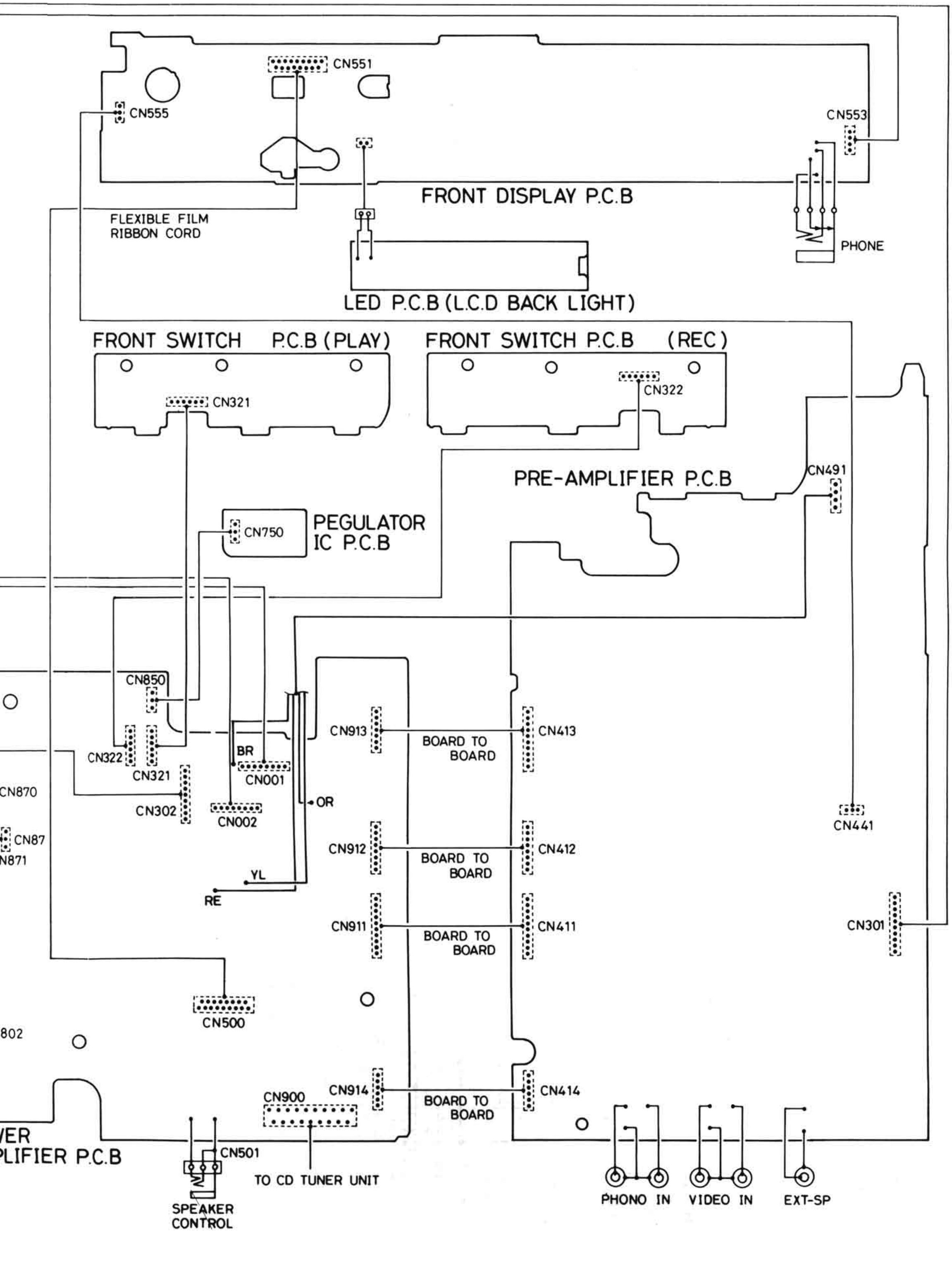
SCHEMATIC DIAGRAM (TUNER)



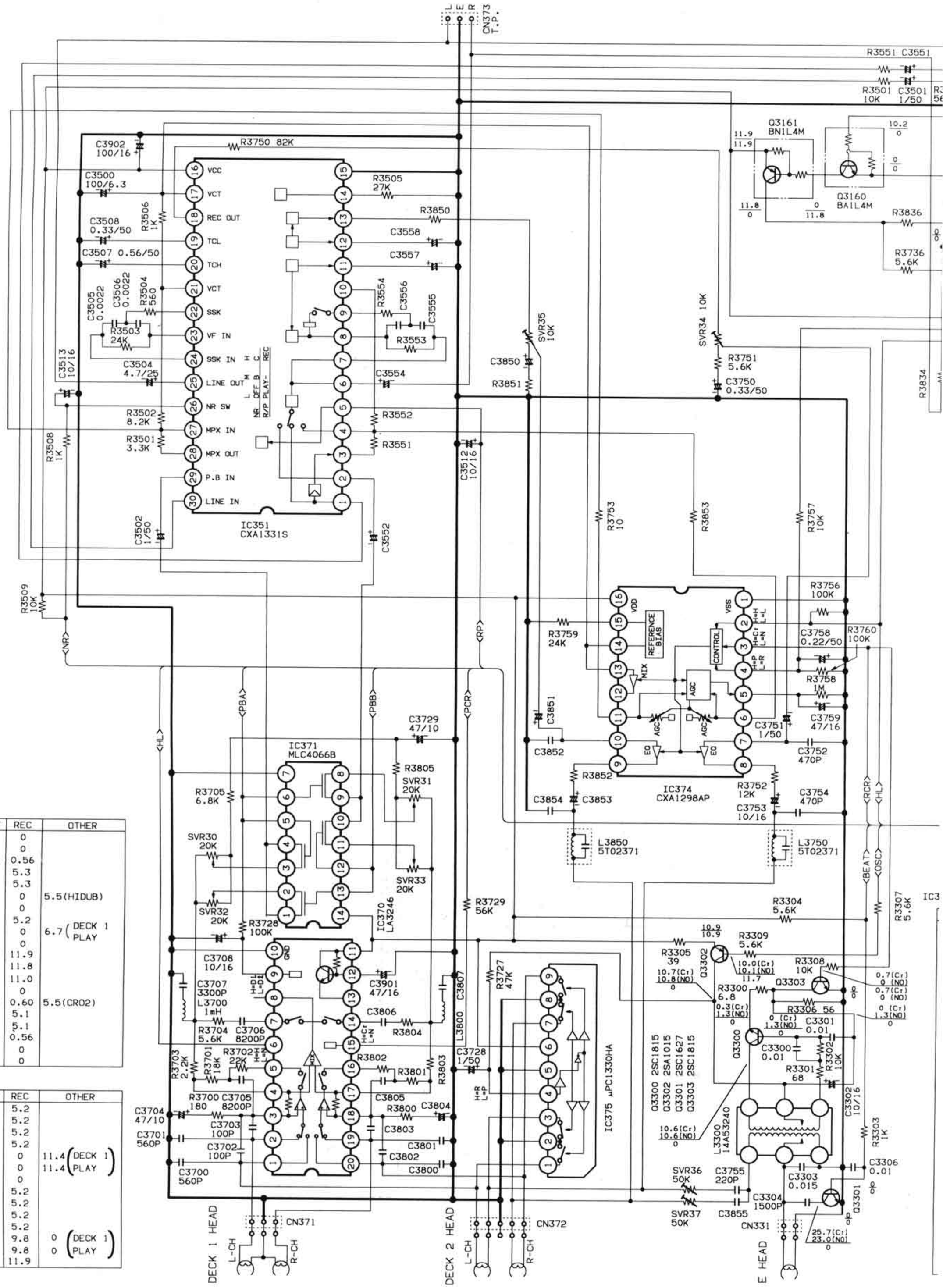

CF205
T2202
C2204 0.022
C2205 0.022
R2207 33K
C2206 0.01
C2207 1/50
C2208 100P
R2209 100
C2209 0.01
C2210 0.47/50
C2211 100/10
C2212 0.01
R2208 3.3K
R2206 10K
R2211 560K
R2212 150
R2213 1K
TP203
TP205
TP204
IC201 LA1265
R2210 33K
R2216 56K
Q2202 2SC1815GR
T2203
LPF
R2217 56K
R2218 12K
C2224 470P
CF202
Q2158 2SC1815GR
Q2157 2SK193ML
C2203 0.01
C2158 56P
R2164 330
R2165 56K
R2162 1M
R2163 220
L2152
R2154 3.3K
R2167 100
L2151
R2168 100
C2160 0.022
C2215 0.022
L2201 1mH
C2159 220P
CF204
R2214 22K
D2201
R2226 2.2K
C2220 4.7/25
C2216 0.022
R2215 4.7K
C2222 0.047
C2223 0.01
C2221 0.022
C2217 10/16
C2214 10/16
C2213 0.01
C2192 0.001
C2218 0.01
C2219 10/16
R2227 68K
R2225 6.8K
Q2153 2SC2878A
C2157 0.022
C2154 10P
C2155 560P
C2156 33P
R2157 470K
L2153
L2154
R2159 1M
R2158 3.3K
C2165 68P
Q2156 2SC2878A
R2221 10K
R2231 47K
R2219 1K
Q2203 2SA1015GR
C2302 10/16
R2301 330
R2701 4.7K
R2801 4.7K
R2310 560
C2301 100/10
C2803 1/50
C2701 0.012
C2801 0.012
C2703 1/50
T2701
T2801
Q2801 2SC1815GR
R2802 12K
C2805 2200P
C2804 470P
R2702 12K
R2803 12K
R2804 2.2K
R2806 560K
R2805 270
IC202 LA3361
C2303 0.022
R2305 10K
C2307 1/50
TP206
C2305 0.47/50
R2303 1K
C2306 1/50
R2705 270
C2806 2700P
C2706 2700P
R2302 6.8K
SVR23 10K
C2304 1000P
TP207
D2302
D2301
R2304 56K
C2308 1/50
Q2701 2SC1815GR
R2704 2.2K
C2901 100/16
C2902 0.01
C2707 1/50
C2807 1/50
R2463 56K
Q2302 RN2207
R2707 3.3K
R2807 3.3K
Q2802 2SC2878A
Q2702 2SC2878A
R2306 56K
Q2301 2SC1815GR
R2710 100K
R2810 100K

WIRING CONNECTION (TAPE DECK / AMPLIFIER UNIT)




CN551
CN555
CN553
FRONT DISPLAY P.C.B
FLEXIBLE FILM
RIBBON CORD
PHONE
LED P.C.B (L.C.D BACK LIGHT)
FRONT SWITCH P.C.B (PLAY)
FRONT SWITCH P.C.B (REC)
CN321
CN322
PRE-AMPLIFIER P.C.B
CN491
CN750
PEGULATOR
IC P.C.B
CN850
CN322
CN321
CN870
CN302
BR
CN001
CN002
OR
YL
RE
CN913
BOARD TO
BOARD
CN413
CN912
CN412
CN911
CN411
CN914
CN414
CN441
CN301
CN87
N871
CN500
802
CN900
VER
PLIFIER P.C.B
CN501
TO CD TUNER UNIT
SPEAKER
CONTROL
PHONO IN
VIDEO IN
EXT-SP

SCHEMATIC DIAGRAM (TAPE DECK AMPLIFIER)

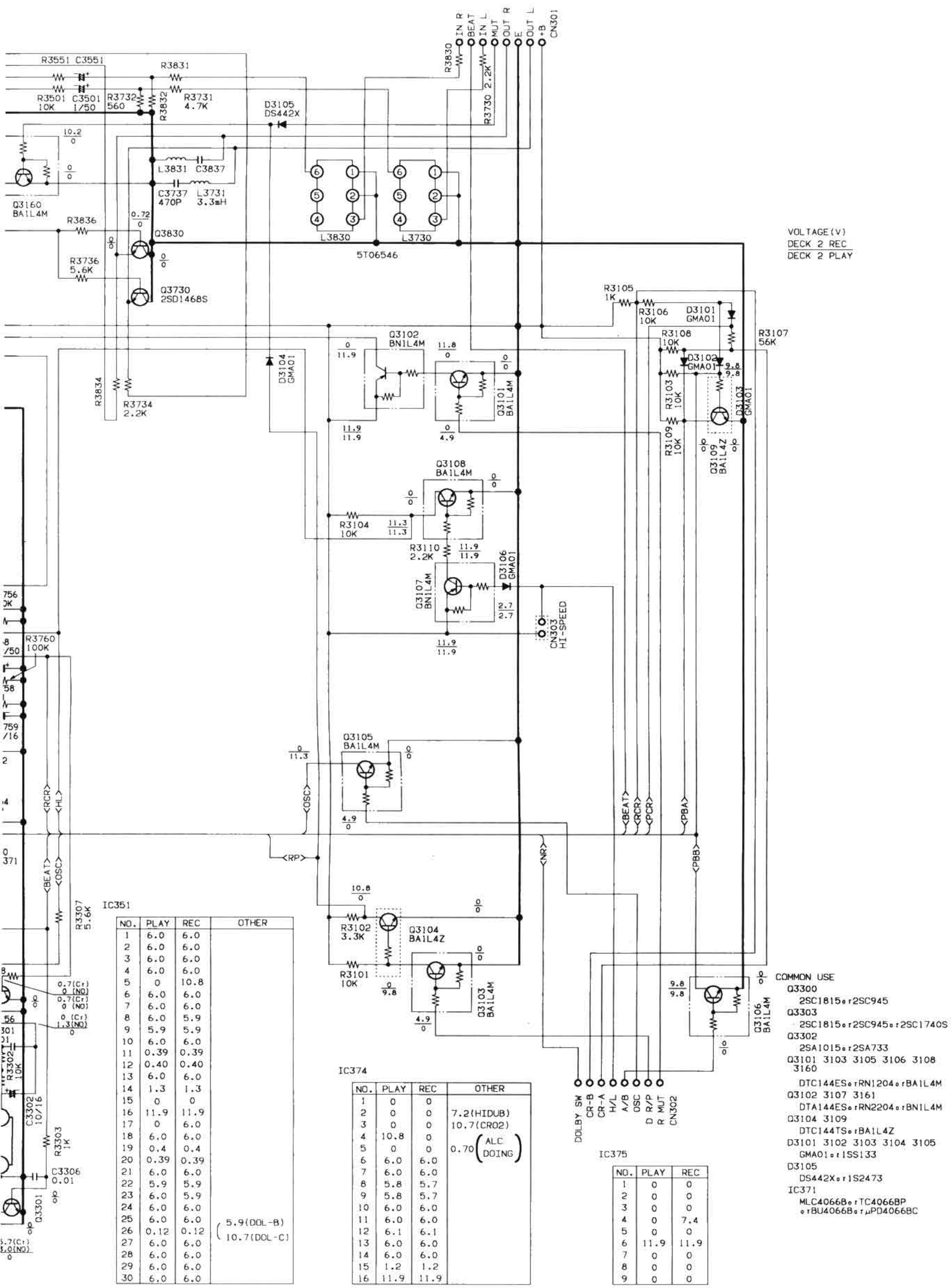


IC370

NO.	PLAY	REC	OTHER
1	0	0	
2	0	0	
3	0.58	0.56	
4	5.3	5.3	
5	5.3	5.3	
6	0	0	5.5(HIDUB)
7	0	0	
8	5.2	5.2	
9	0	0	6.7 (DECK 1 PLAY)
10	0	0	
11	11.9	11.9	
12	11.8	11.8	
13	11.0	11.0	
14	0	0	
15	0.60	0.60	5.5(CRO2)
16	5.1	5.1	
17	5.1	5.1	
18	0.56	0.56	
19	0	0	
20	0	0	

IC731

NO.	PLAY	REC	OTHER
1	5.2	5.2	
2	5.2	5.2	
3	5.2	5.2	
4	5.2	5.2	
5	0	0	11.4 (DECK 1 PLAY)
6	0	0	11.4
7	0	0	
8	5.2	5.2	
9	5.2	5.2	
10	5.2	5.2	
11	5.2	5.2	
12	9.8	9.8	0 (DECK 1 PLAY)
13	9.8	9.8	0
14	11.9	11.9	



IC351

NO.	PLAY	REC	OTHER
1	6.0	6.0	
2	6.0	6.0	
3	6.0	6.0	
4	6.0	6.0	
5	0	10.8	
6	6.0	6.0	
7	6.0	6.0	
8	6.0	5.9	
9	5.9	5.9	
10	6.0	6.0	
11	0.39	0.39	
12	0.40	0.40	
13	6.0	6.0	
14	1.3	1.3	
15	0	0	
16	11.9	11.9	
17	0	6.0	
18	6.0	6.0	
19	0.4	0.4	
20	0.39	0.39	
21	6.0	6.0	
22	5.9	5.9	
23	6.0	5.9	
24	6.0	6.0	
25	6.0	6.0	5.9(DOL-B)
26	0.12	0.12	10.7(DOL-C)
27	6.0	6.0	
28	6.0	6.0	
29	6.0	6.0	
30	6.0	6.0	

IC374

NO.	PLAY	REC	OTHER
1	0	0	
2	0	0	7.2(HIDUB)
3	0	0	10.7(CR02)
4	10.8	0	
5	0	0	0.70 (ALC DOING)
6	6.0	6.0	
7	6.0	6.0	
8	5.8	5.7	
9	5.8	5.7	
10	6.0	6.0	
11	6.0	6.0	
12	6.1	6.1	
13	6.0	6.0	
14	6.0	6.0	
15	1.2	1.2	
16	11.9	11.9	

IC375

NO.	PLAY	REC
1	0	0
2	0	0
3	0	0
4	0	7.4
5	0	0
6	11.9	11.9
7	0	0
8	0	0
9	0	0

COMMON USE

Q3300
2SC1815 or 2SC945

Q3303
2SC1815 or 2SC945 or 2SC1740S

Q3302
2SA1015 or 2SA733

Q3101 3103 3105 3106 3108 3160
DTC144ES or RN1204 or BA1L4M

Q3102 3107 3161
DTA144ES or RN2204 or BN1L4M

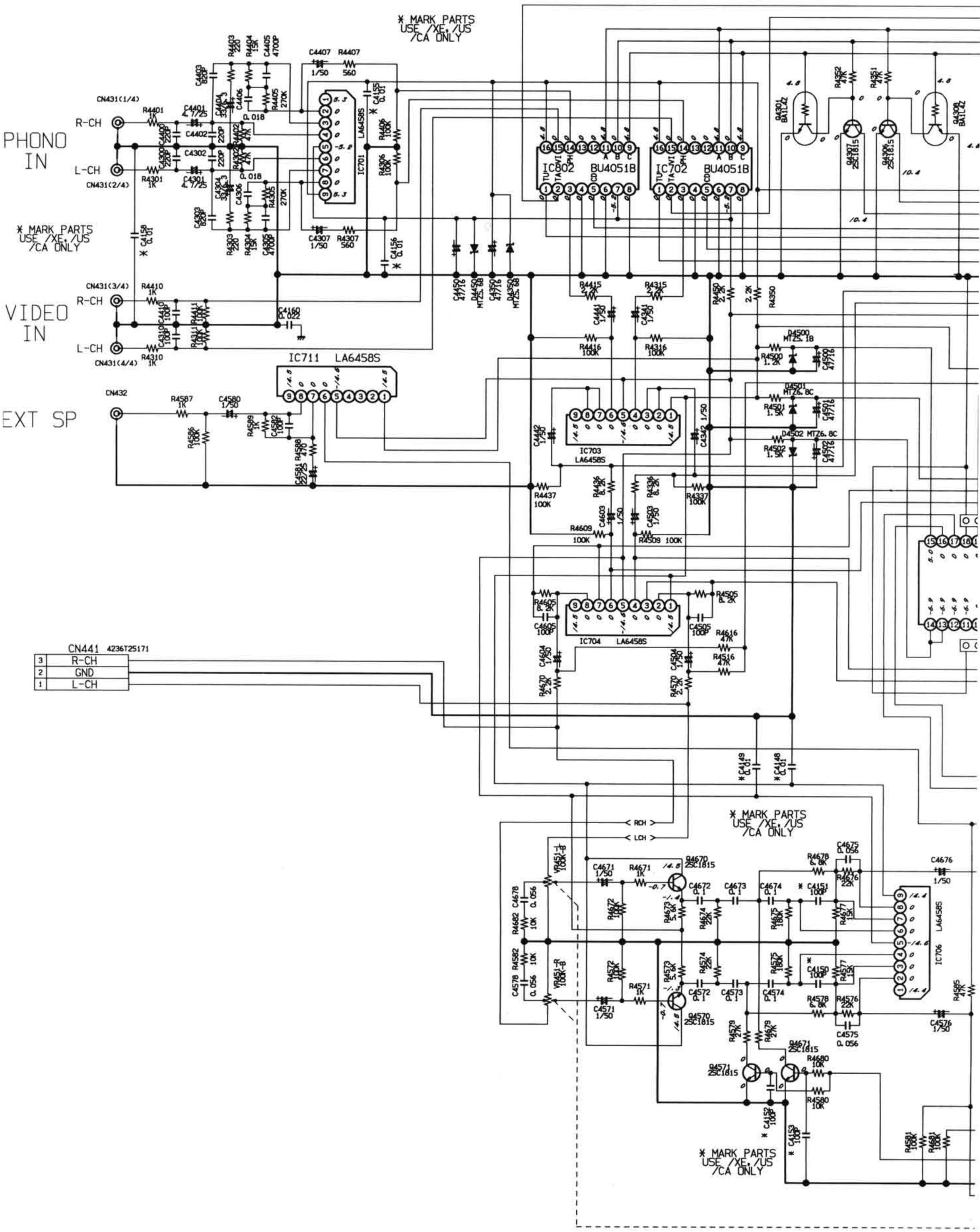
Q3104 3109
DTC144TS or BA1L4Z

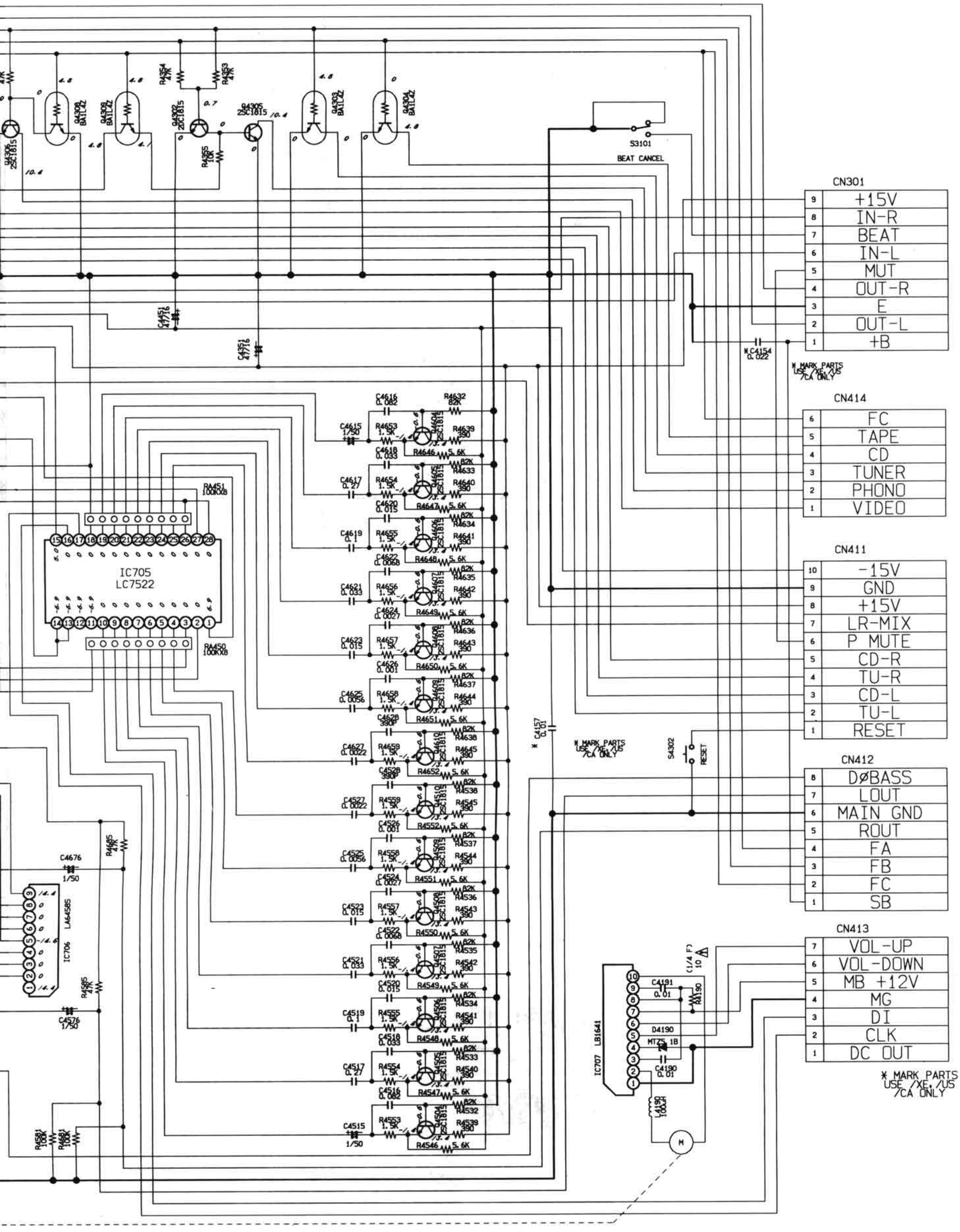
D3101 3102 3103 3104 3105
GMA01 or 1SS133

D3105
DS442X or 1S2473

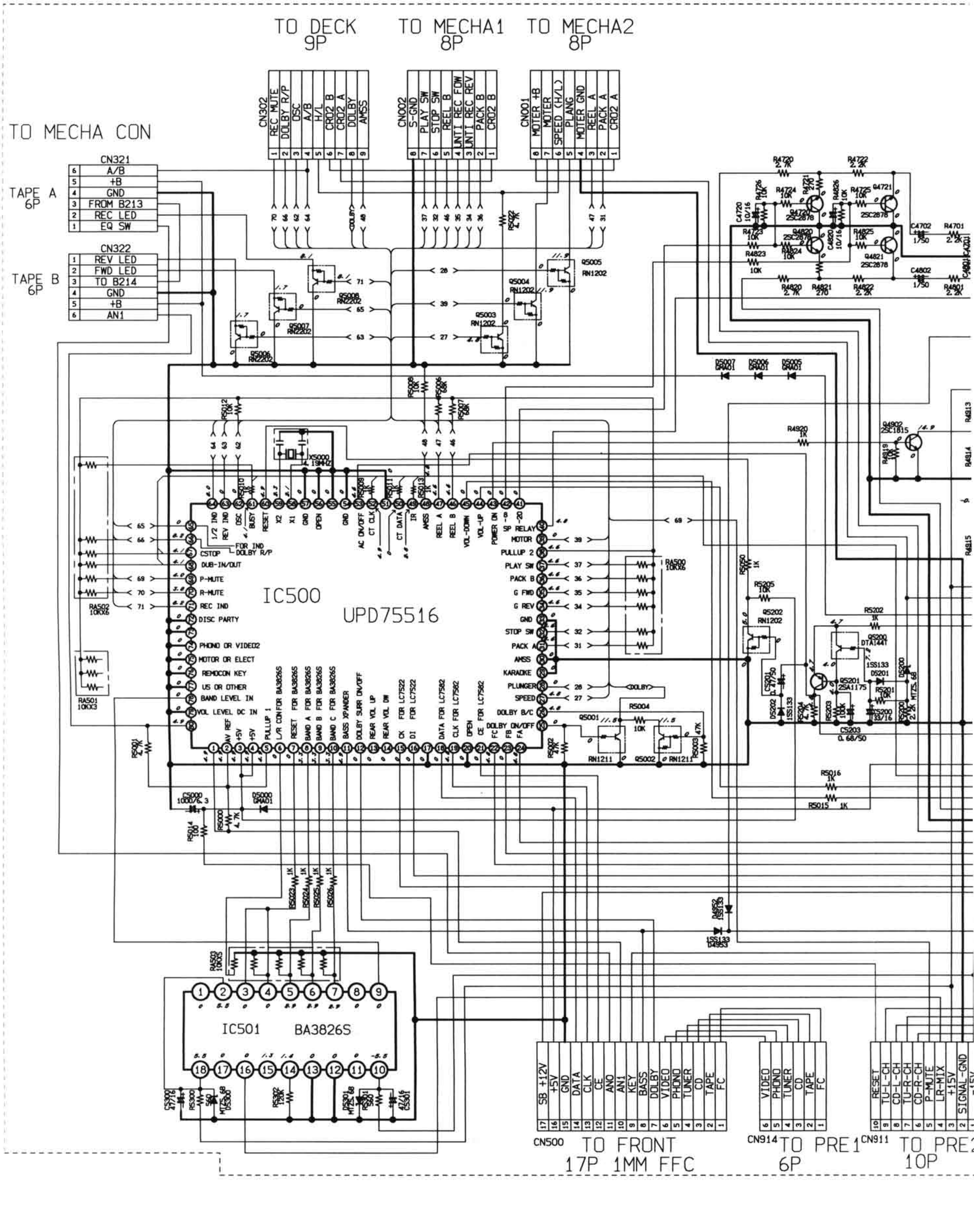
IC371
MLC4066B or TC4066BP or BU4066B or μPD4066BC

SCHEMATIC DIAGRAM (PRE-AMPLIFIER)




S3101
BEAT CANCEL
CN301
9 +15V
8 IN-R
7 BEAT
6 IN-L
5 MUT
4 OUT-R
3 E
2 OUT-L
1 +B
*C4154 0.022
* MARK PARTS USE /XE, /US /CA ONLY
CN414
6 FC
5 TAPE
4 CD
3 TUNER
2 PHONO
1 VIDEO
CN411
10 -15V
9 GND
8 +15V
7 LR-MIX
6 P MUTE
5 CD-R
4 TU-R
3 CD-L
2 TU-L
1 RESET
CN412
8 DØBASS
7 LOUT
6 MAIN GND
5 ROUT
4 FA
3 FB
2 FC
1 SB
CN413
7 VOL-UP
6 VOL-DOWN
5 MB +12V
4 MG
3 DI
2 CLK
1 DC OUT
* MARK PARTS USE /XE, /US /CA ONLY
IC705 LC7522
IC706 LA6458S
IC707 LB1641
RA451 100KX8
RA450 100KX8
S4302 RESET
D4190 MTZ5.1B
L4190 100uH
M

SCHEMATIC DIAGRAM (SYSCON & POWER AMPLIFIER)



TO FRONTPCB

TO H.P SOCKET

IC700 STK-4162MK2

SP OUT
R-CH
GND
GND
L-CH

IC900 L780S12

IC901 L78M05

IC903 L780S12

CN802

CN850

CN750

CN871

CN771

CN870

CN770

TERMAL FUSE
135 C

AC230V
50Hz

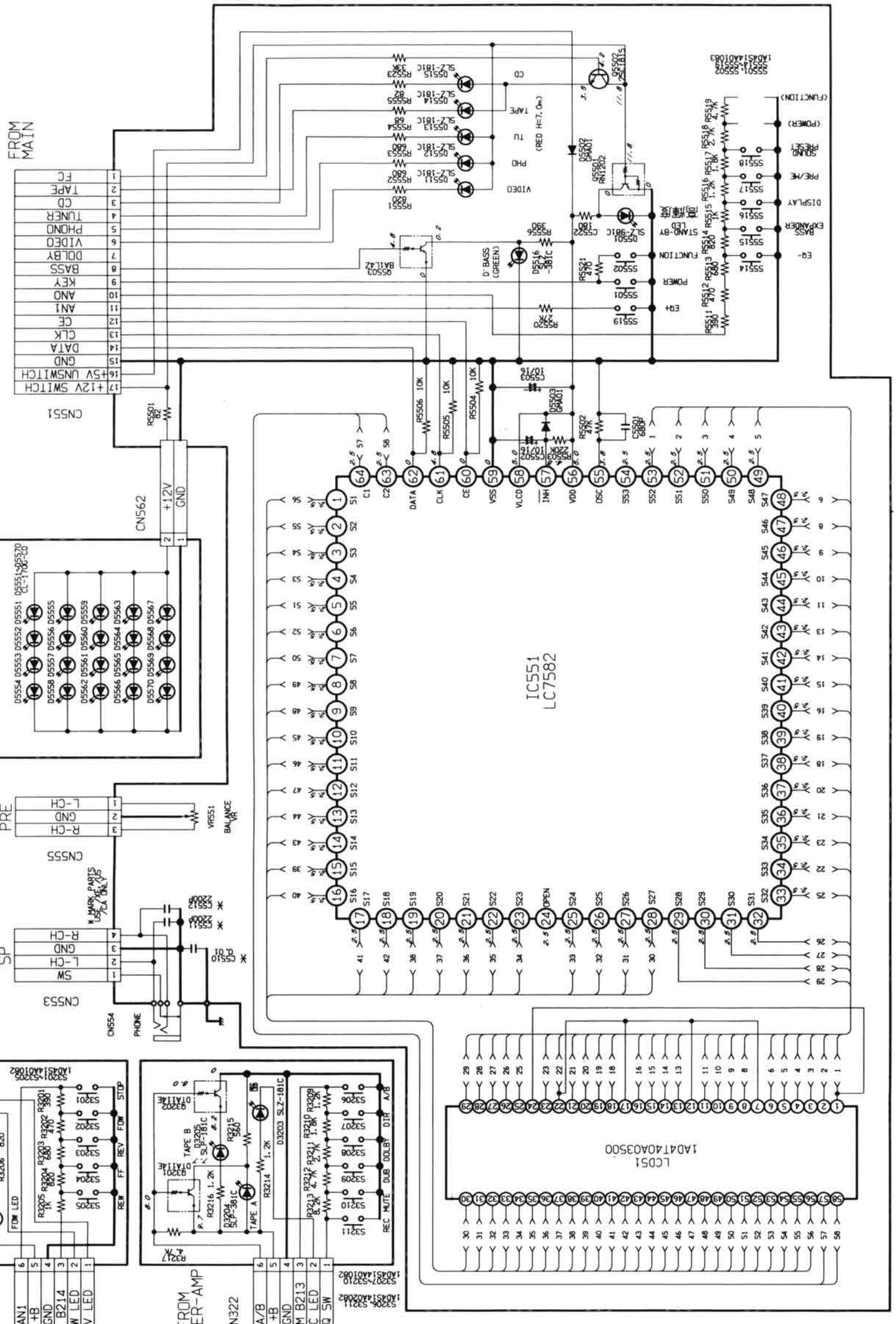
CN911 TO PRE2 10P

CN912 TO PRE3 8P

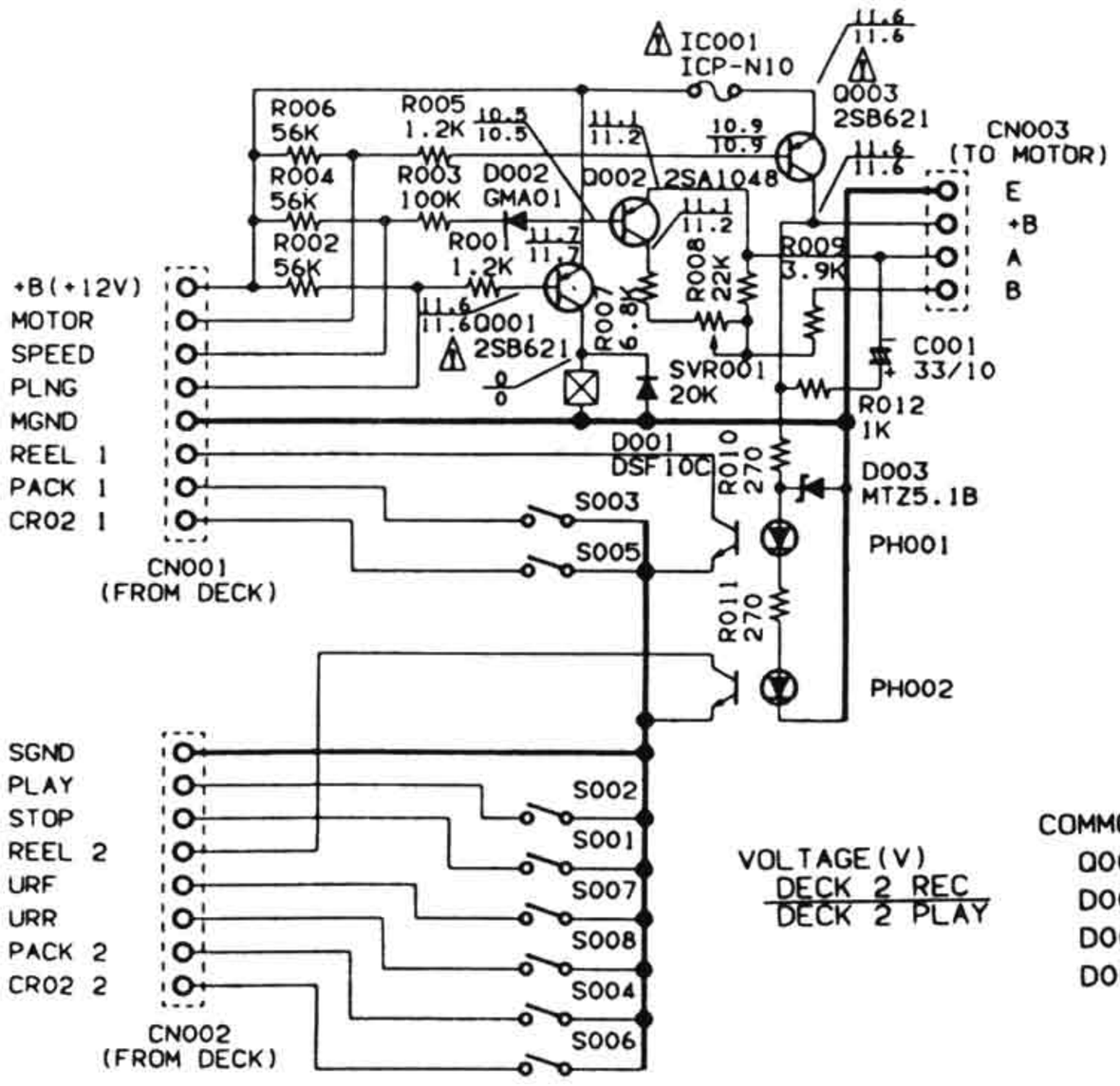
CN913 TO PRE4 7P

CN900 TO CD/TU 19P

SCHEMATIC DIAGRAM (FRONT)



SCHEMATIC DIAGRAM (TAPE MECHANISM)



VOLTAGE(V)
DECK 2 REC
DECK 2 PLAY

PH001 002
SPI33534C
S001 002
1AD4S12A02000
S003~008
1AD4S13A01800

S001 STOP SW
S002 PLAY SW
S003 DECK 1 PACK SW
S004 DECK 2 PACK SW
S005 DECK 1 CR02 SW
S006 DECK 2 CR02 SW
S007 DECK 2 UNREC F SW
S008 DECK 2 UNREC R SW

COMMON USE
Q002 2SA1048 or 2SA933
D001 DSF10C or 1SR35
D002 GMA01 or 1SS133
D003 MTZ5.1B or GZS5.1Y