

# TRAINING INFORMATION

DISPLAY OVERALL BLOCK DIAGRAM

DISPLAY EC05 TUNER BLOCK DIAGRAM

DISPLAY CASSETTE BLOCK DIAGRAM

DISPLAY 3CDC-LC BLOCK DIAGRAM

DISPLAY 3CDC-LC-MB BLOCK DIAGRAM

## Brief Introduction of the Combi Board

### A. TRANSFORMER PRIMARY PART

The Transformer Primary Circuit provides connections for AC mains supply and primary wires of transformer.

### B. POWER SUPPLY PART

Power Supply Circuit consists of rectifiers, capacitive filters, and voltage regulators. Regulated voltages include +5V6, +LED, +12A, +12M, -33V, PWDN. The +C supply to the power amplifier is not regulated. F1-F2 is the ac supply voltage to the FTD Display filament.

### C. SOURCE SELECT AND AMPLIFIER PART

#### a) SHIFT REGISTER (AF CONTROL)

The shift register IC7402 (HEF4094BP) delivers commands from the uP to control the AF functions which include source selection (A0 and A1 control lines), DSC modes, DBB, IS and CD\_ON (via +CD). Other control lines, such as MUTE, AMPON, STBY and PWM, are coming directly from the uP on the Front Board.

#### b) SOURCE SELECTION

One of the four sources, namely AUX., TAPE, TUNER, or CD, can be selected via A0 and A1 lines which control IC7501 (HEF4052BP). Karaoke mic. mixing is connected to the selected source before the signal is amplified with a buffer amplifier (Tr 7503 and 7504). The source signal is then split into recording path (for recording on tape) and main signal path (to the PWM volume control).

#### c) PWM VOLUME CONTROL

The discrete volume control makes use of four transistors: 7505, 7506, 7507, and 7508 (ON4986 or paired BC557B) and PWM control signal from uP. For good performance, transistors for the left and right channels should be paired for gain characteristics.

#### d) SOUND FEATURES

Sound features include the DBB, IS, and DSC modes. The sound features are realized with hex-inverter IC7530 (HEF4069UBD) as analog buffer/amplifier and transistors as electronic switches controlled by the shift registers (AF control).

e) POWER AMPLIFIER

IC7391 (AN7124) is used as a power amplifier.

f) CD ON CONTROL

This circuit switches on the +CD supply (derived from +12A) to CD servo control, HF circuit, and the laser light pen on the CD Module during the CD mode only.

g) MATRIX SURROUND OUTPUT

The matrix surround feature is provided onboard. This feature is optional on certain type versions.

D. KARAOKE PART

a) SIMPLE KARAOKE

This is a one-mic. mono amplifier using discrete components. It has level control using a rotary potentiometer. This feature is available for some versions only.

E. HEADPHONE PART

a) HEADPHONE OUTPUT

The headphone output is derived from the power amplifier output after the attenuation resistors, which are tailored to deliver 25mW output power into a 32 ohm headphone.

F. CDC KEY PART

CDC key buttons and LEDs are provided on this board.

## Front Board Application

A53920	FW-C200/12/21/21M/33
A53930	FW-C220/22/34
A53950	FW-C100/21/21M/22/30/33/34/37
A53970	FW-C250/37
A53980	FW-C250/18/19/21
A53990	FW-C280/22/34
A54000	FW-C290/18/19/21
A54340	FW-C200/30

FEATURES:	A53920	A53930	A53950	A53970	A53980	A53990	A54000	A54340
RDS	-	X	-	-	-	X	-	-
Rotary Encoder	x	x	-	x	x	x	x	x
Jog Encoder	-	-	-	x	x	x	x	-
Spectrum Analyzer	-	-	-	-	-	x	x	-
Biplaner LED	x	x	-	x	x	x	x	x
Small FTD	x	x	x	x	x	-	-	x
Large FTD	-	-	-	-	-	x	x	-
NTC	-	-	-	-	x	-	x	-

LED Control      x      x      -      x      x      x      x      x

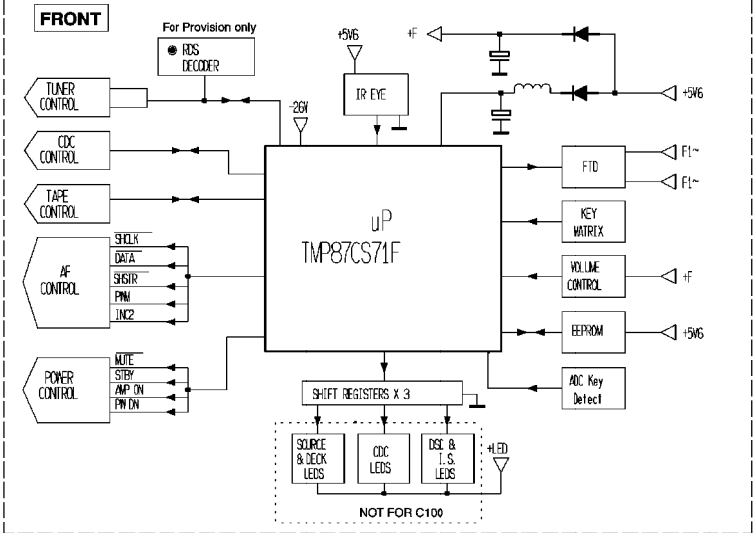
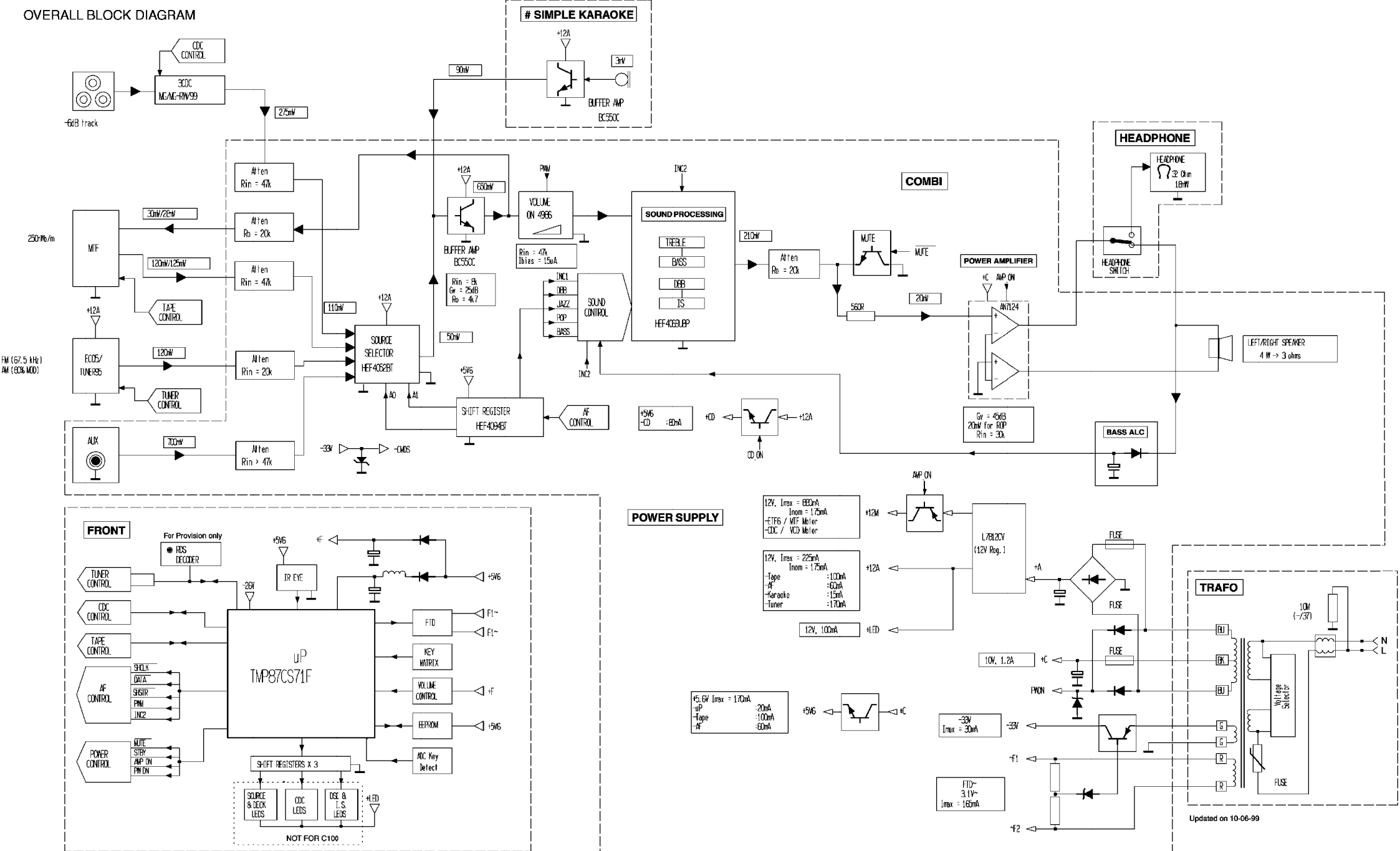
## Variations Table for Front Board

ITEM NO.	A53920	A53930	A53950	A53970	A53980	A53990	A54000	A54340
DM21	-	-	X	X	X	-	-	-
DM23	-	-	-	-	-	-	-	-
DM26	x	-	x	x	x	-	x	x
DM27	-	x	-	-	-	x	-	-
DM29	-	-	-	-	x	-	x	-
1402	-	-	-	-	-	x	x	-
1403	x	x	x	x	x	-	-	x
1404	x	x	x	x	x	x	x	x
1405	x	x	-	-	-	x	x	x
1418	-	-	-	-	-	x	x	x
1419	-	-	-	-	-	x	x	x
1420	-	-	-	-	-	x	x	x
1421	x	x	-	-	-	x	x	x
1423	x	x	-	-	-	x	x	x
1425	-	x	-	-	-	x	-	-
1426	x	x	-	-	-	x	x	x
1427	-	x	-	-	-	x	-	-
1428	-	-	x	-	-	-	-	-
1429	-	-	x	-	-	-	-	-
1430	x	x	x	-	-	-	-	-
2417	220uF	220uF	-	220uF	220uF	220uF	220uF	220uF
2421	22uF	22uF	2,2uF	22uF	22uF	22uF	22uF	22uF
2432	-	100pF	-	-	-	100pF	-	-
2433	-	47pF	-	-	-	47pF	-	-
2462	220nF	220nF	-	220nF	220nF	220nF	220nF	220nF
3407	-	-	-	-	-	1k	1k	1k
3458	-	-	-	-	-	1k	1k	1k
3460	-	-	-	-	-	1k	1k	1k
3465	1k	1k	-	1k	1k	1k	1k	1k
3471	4R7	4R7	4R7	4R7	4R7	1R	1R	1R
3479	1k	1k	-	1k	1k	1k	1k	1k
3483	4R7	4R7	4R7	4R7	4R7	1R	1R	1R
3516	-	-	330R	-	-	-	-	-
3518	-	-	-	-	-	330R	330R	-
3524	1k	1k	-	-	-	1k	1k	1k
3539	10k	-	10k	10k	10k	-	10k	10k
3541	-	1k	-	-	-	1k	-	-
3546	10k	-	10k	10k	10k	-	10k	10k
3555	10k	10k	10k	10k	10k	-	-	10k
3575	10k	10k	10k	10k	10k	-	-	10k
3576	10k	10k	10k	10k	10k	-	-	10k
3577	-	-	-	-	-	12k	12k	-
3578	-	-	-	-	-	5k6	5k6	-
3586	-	-	-	-	-	1k	1k	-
3588	-	-	10k	-	-	-	-	-
3600	5k6	5k6	5k6	5k6	5k6	-	-	-
3602	-	-	10k	10k	10k	-	-	-
3603	10k	10k	6k8	10k	10k	10k	10k	10k
3613	12k	12k	47k	12k	12k	12k	12k	12k

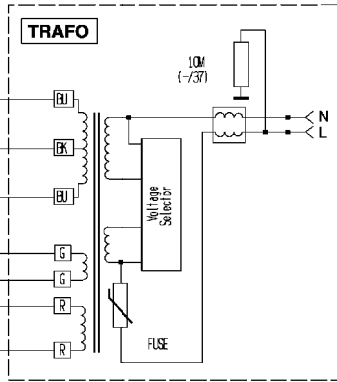
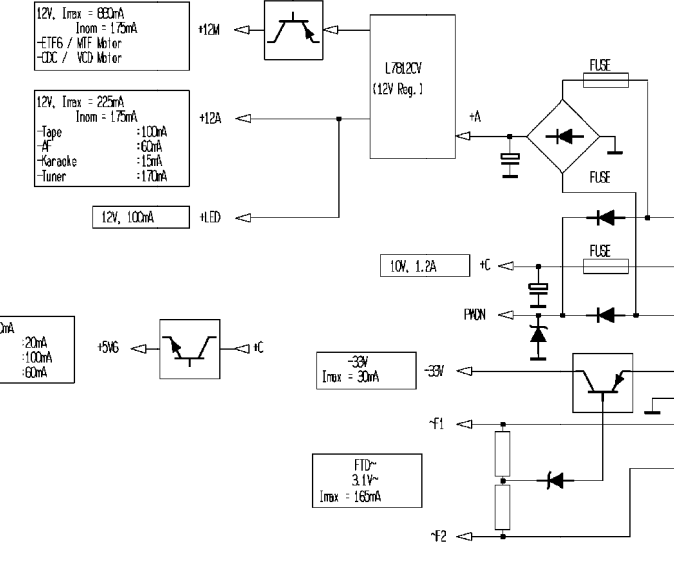
3616	-	-	-	-	1k	-	1k	-
3617	10k	10k	10k	10k	-	10k	-	10k
4400	x	x	x	-	-	-	-	x
4407	x	x	-	x	x	-	-	x
4410	x	x	x	x	-	x	-	x
4412	-	-	-	-	-	x	x	-
4413	-	-	x	-	-	-	-	-
4417	x	x	-	-	-	-	-	x
4436	x	x	-	-	-	-	-	x
4588	-	-	x	-	-	-	-	-
6401	-	-	-	x	x	x	x	-
6402	-	-	-	x	x	x	x	-
6404	-	-	-	x	x	x	x	-
6405	-	-	-	-	-	x	x	-
6420	-	-	-	-	-	x	x	-
6422	-	-	x	-	-	-	-	-
6423	x	-	-	-	x	-	x	-
6424	-	-	-	x	x	-	-	-
6428	x	x	-	x	x	x	x	x
6433	-	-	-	x	x	-	-	-
6445	x	x	-	-	-	-	-	x
6446	x	x	-	-	-	-	-	x
6447	x	x	-	x	x	-	-	x
9475	x	x	x	x	x	-	-	x
9488	-	-	-	x	x	x	x	-
9520	-	-	-	x	x	x	x	-
9523	x	x	x	x	x	-	-	x

x = Item in use.

# OVERALL BLOCK DIAGRAM



### POWER SUPPLY



### LEGEND:

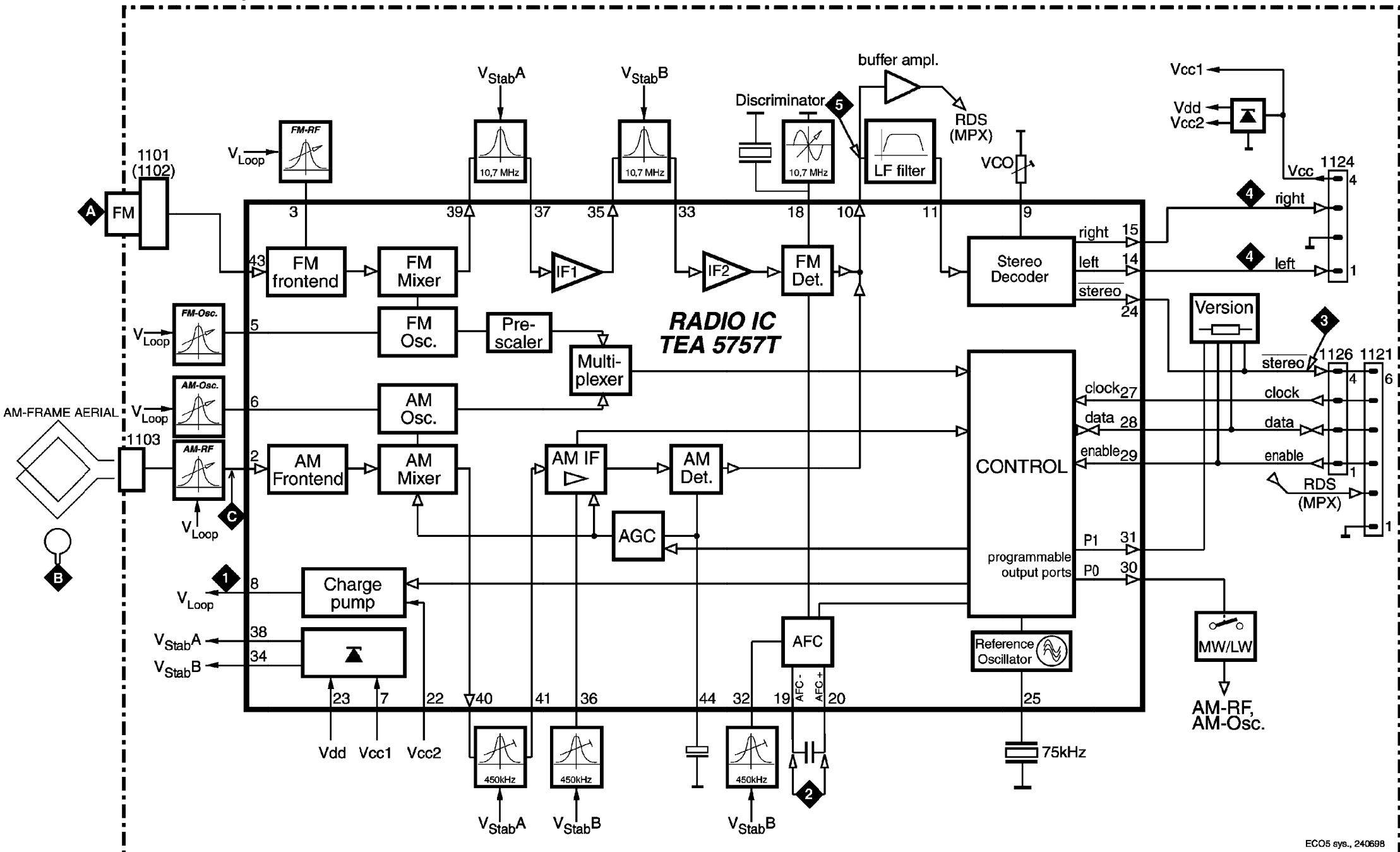
- AC SIGNAL LEVEL
- SIGNAL FLOW
- CONTROL SIGNAL

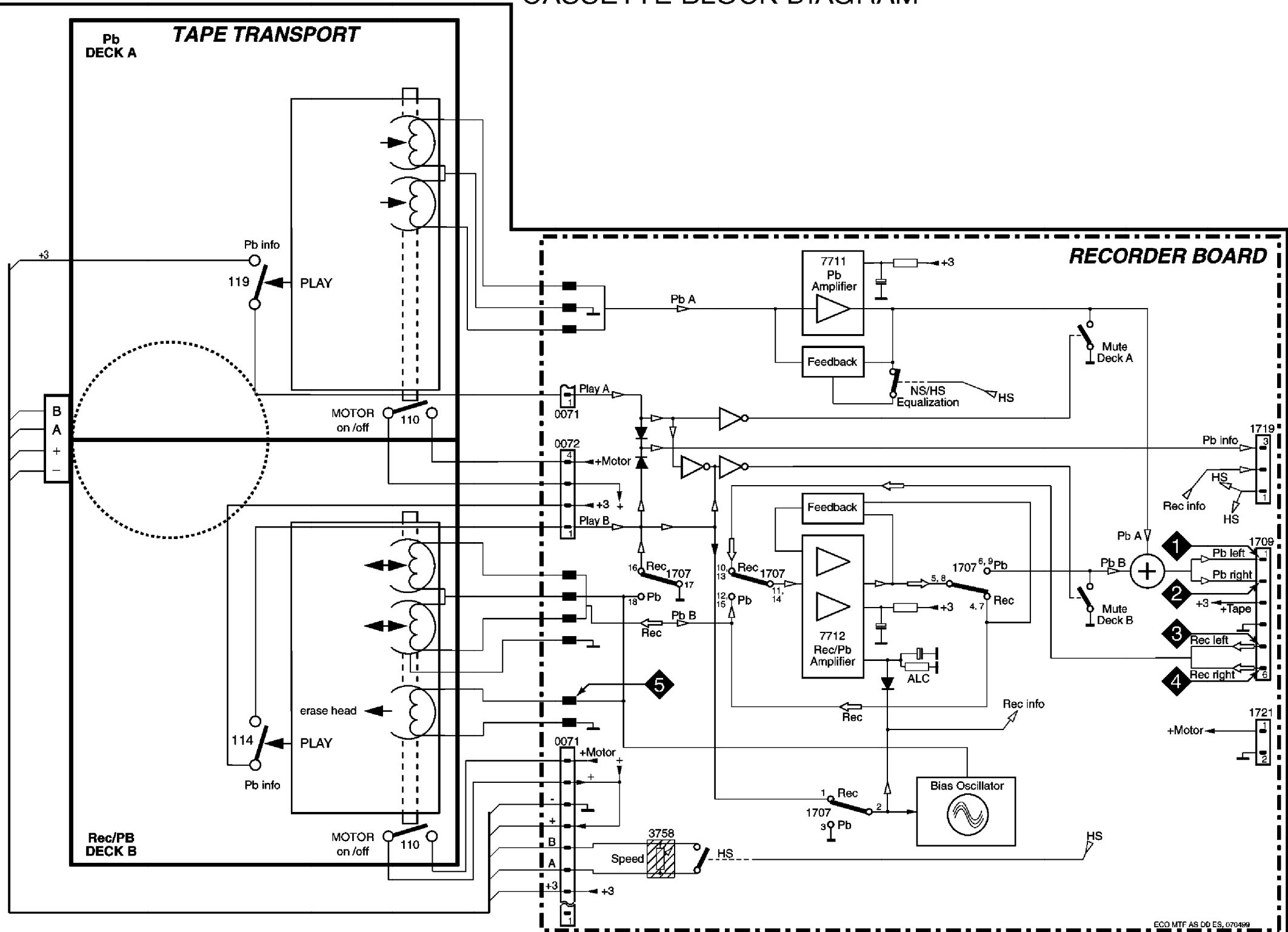
ALL OUTPUTS FROM SOURCES ARE 1kHz, 0dB UNLESS STATED OTHERWISE.

\* SIMPLE KARAOKE FEATURE ONLY FOR -21 VER.

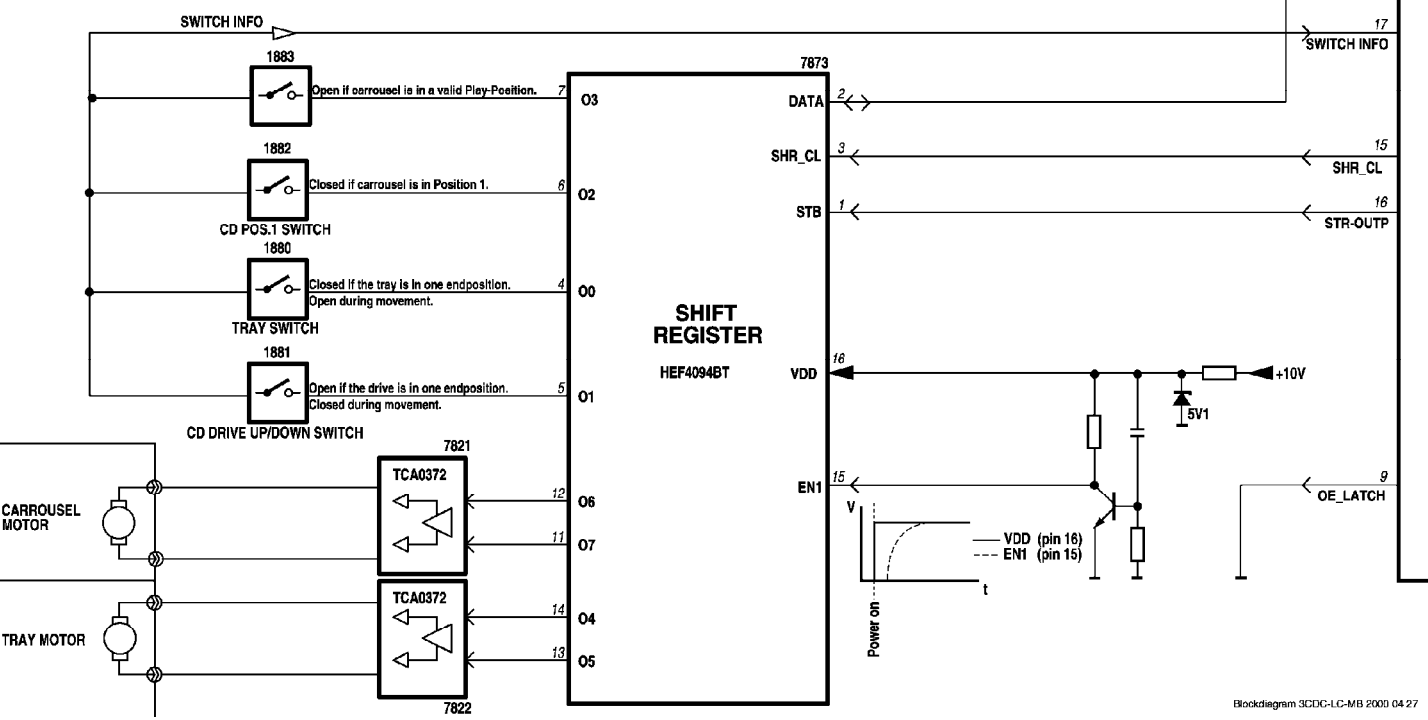
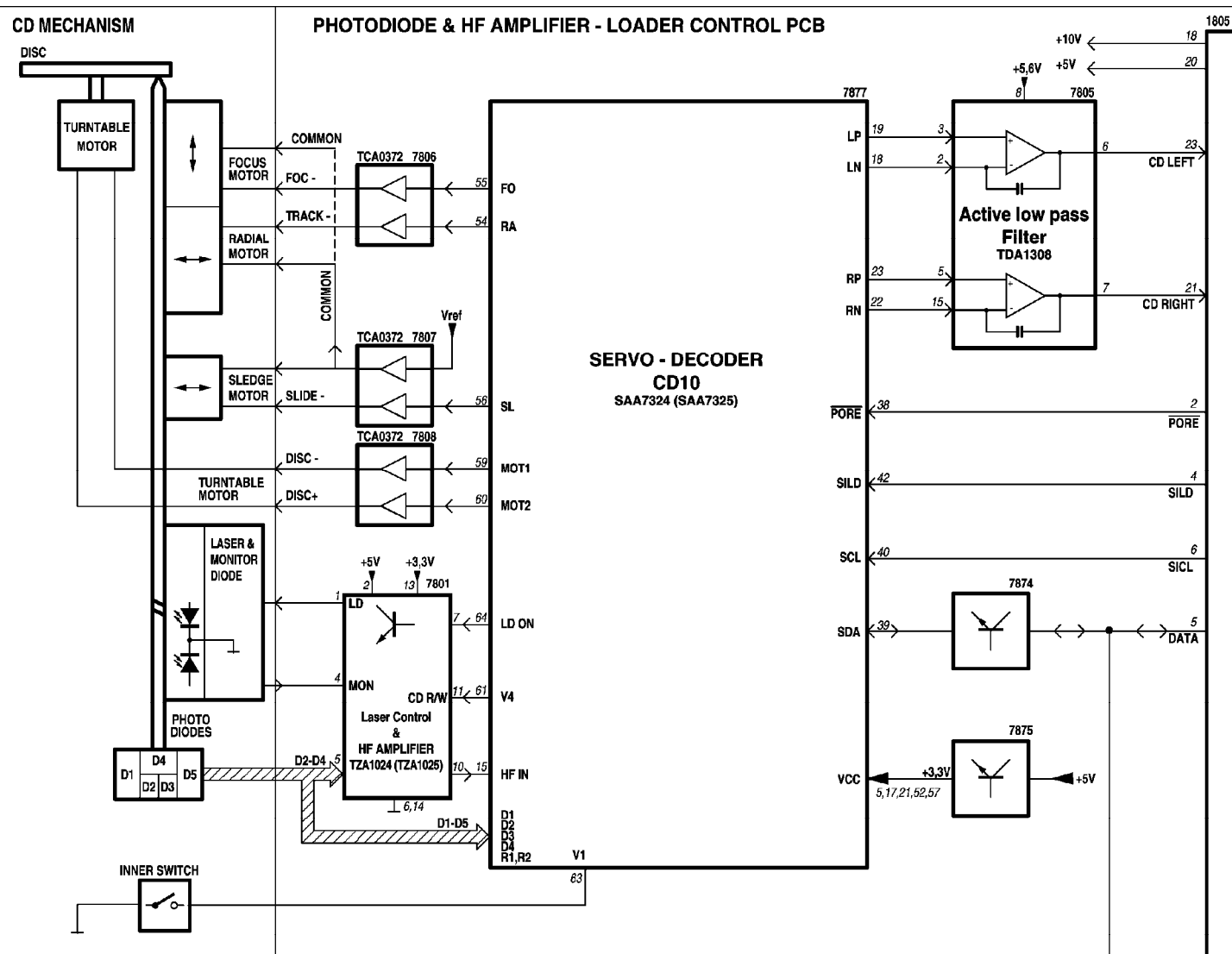
# TUNER BOARD

## ECO 5 systems

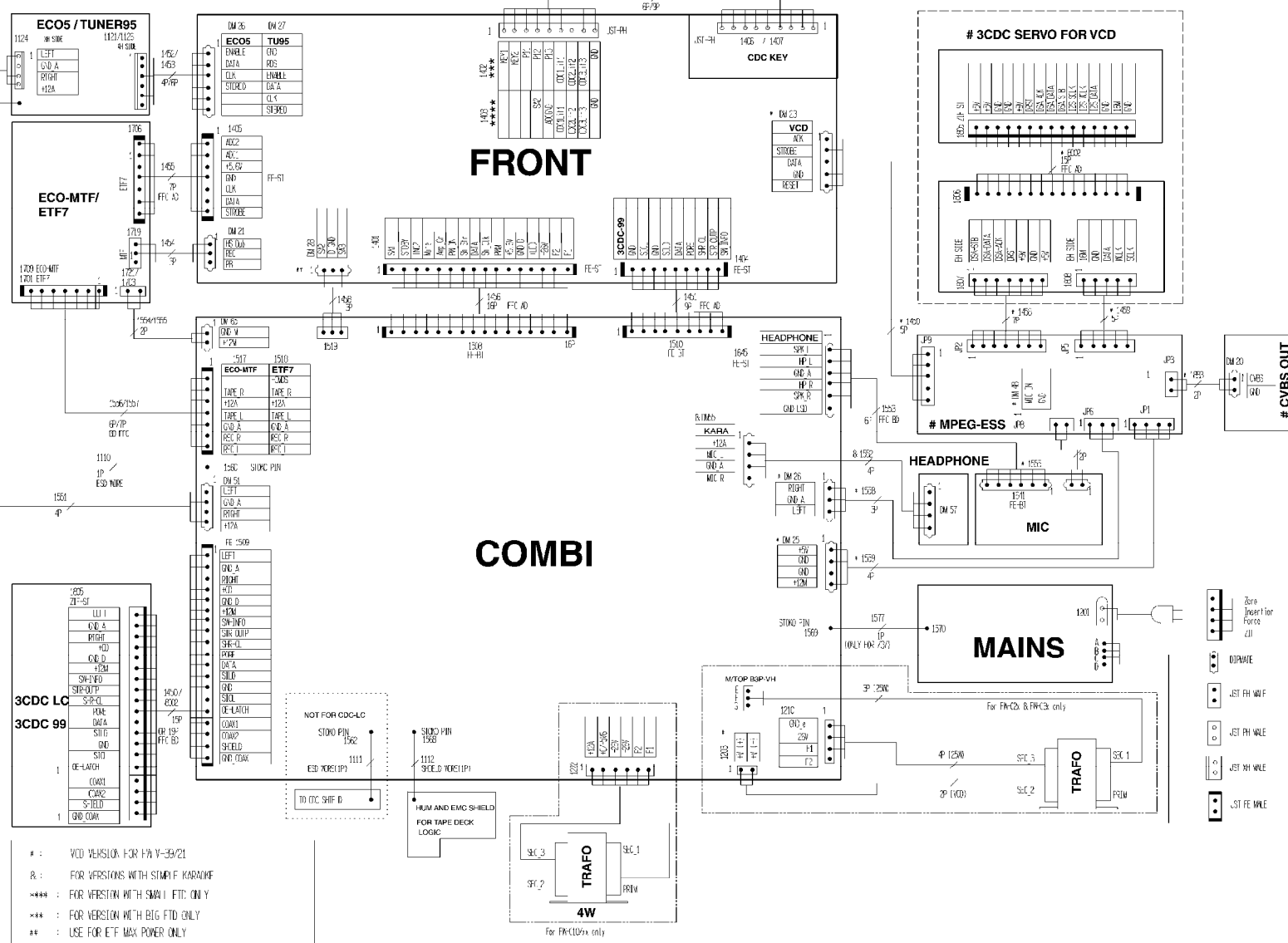


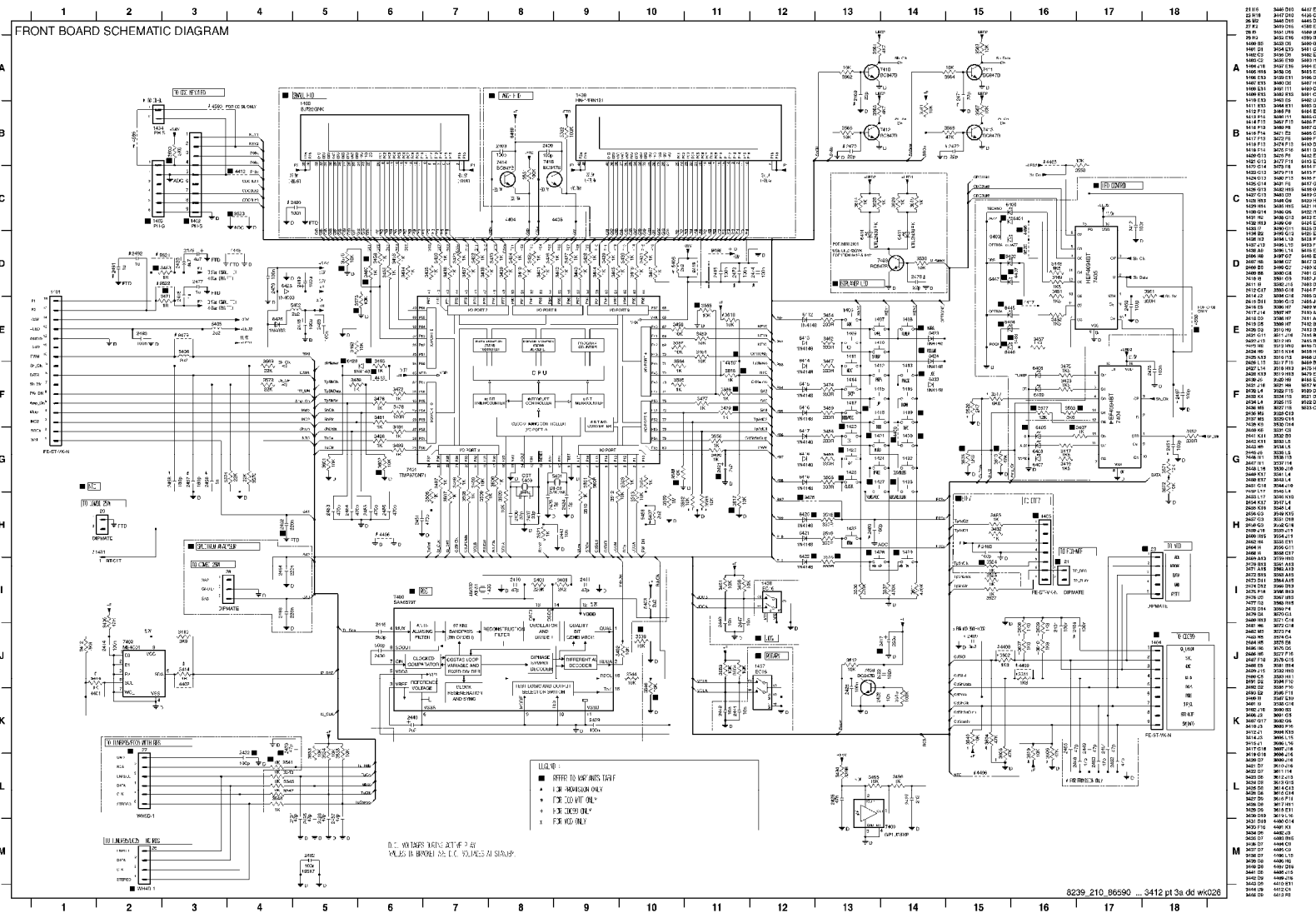






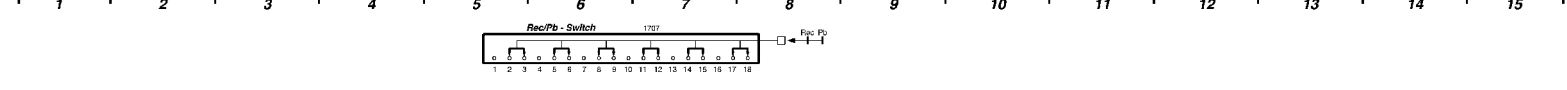
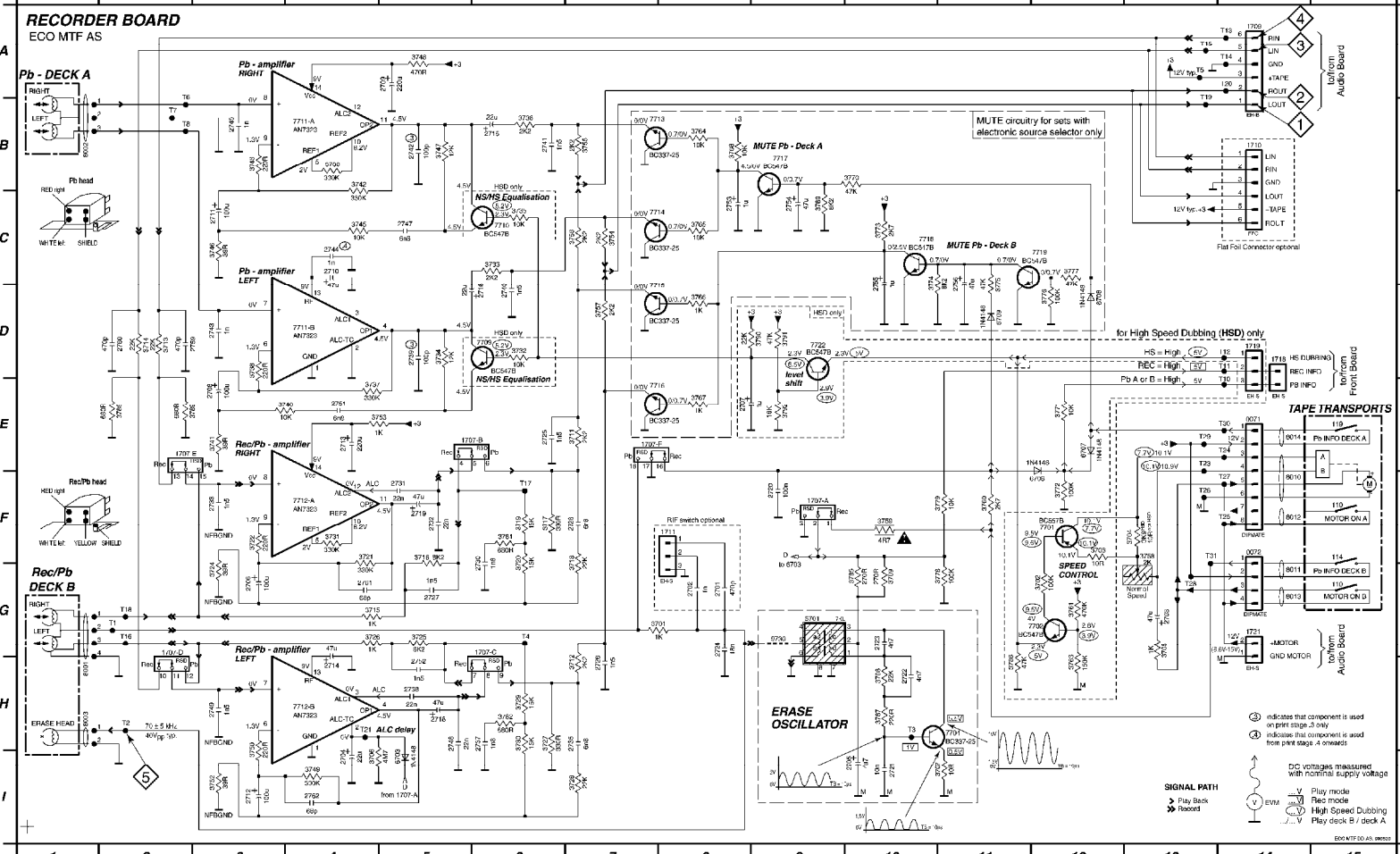
OVERALL WIRING DIAGRAM





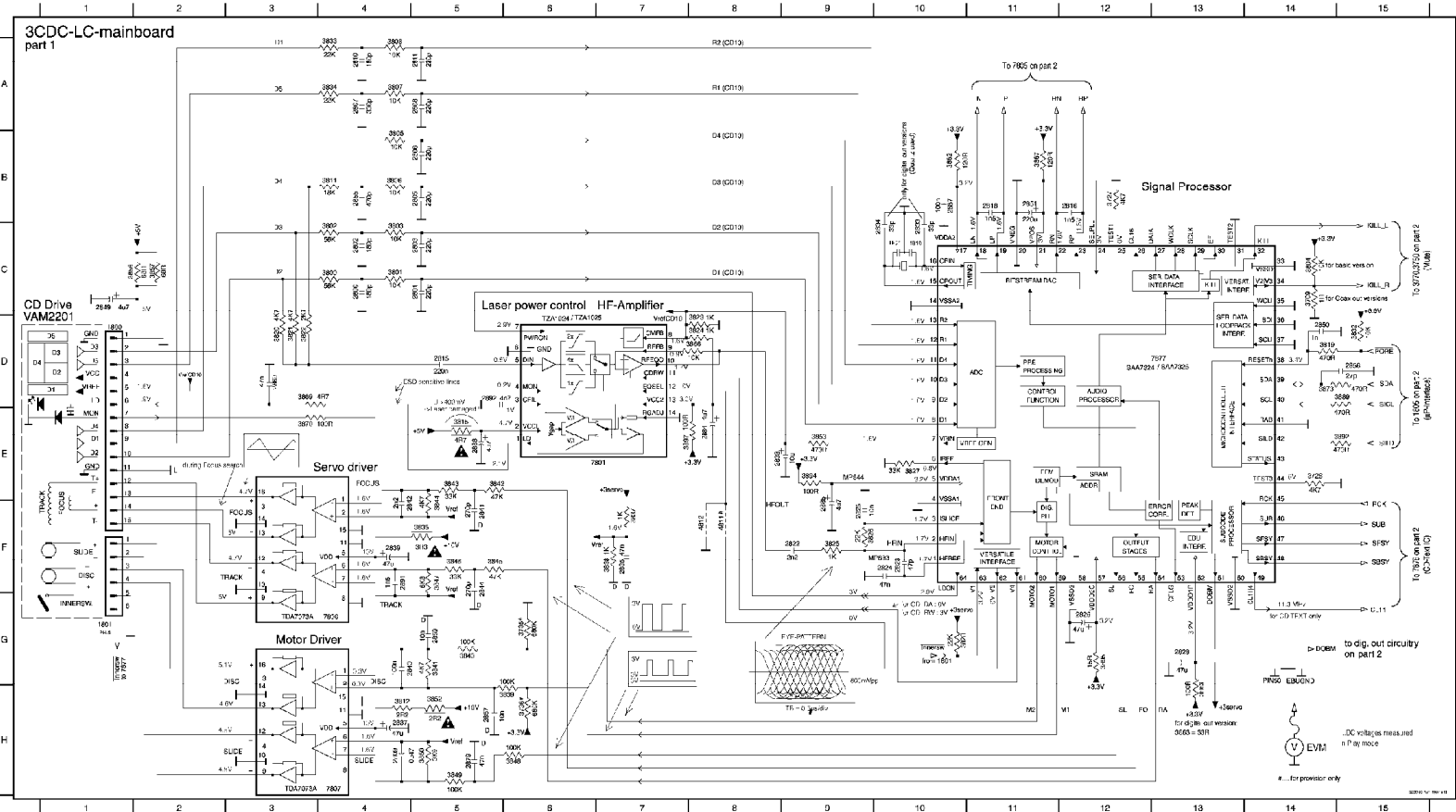


2011 E14	1707-F E7	2762 G8	2769 A5	2718 D6	2724 G6	2728 F5	2741 B6	2749 H5	2759 E2	3704 F13	3712 H7	3719 F6	3727 H5	3734 D5	3742 B4	3750 H3	3758 F10	3765 D8	3773 C10	3780 B4	3788 E2	4707 E12	7710 C6	7715 C6
3079 F14	1709 A14	2763 G13	2769 A5	2718 H6	2724 F6	2728 F5	2745 R6	2749 H5	2759 E2	3705 G10	3713 D5	3720 F6	3728 I7	3735 C5	3743 B3	3751 I1	3759 F10	3766 F8	3774 C10	3781 F6	3789 D9	4708 D12	7711-A B4	7716 B6
1707-A F9	1710 B14	2763 A4	2711 C3	2718 F5	2722 H7	2728 F5	2743 D3	2749 H5	2759 E2	3708 M	3714 D2	3721 F4	3728 H6	3736 B6	3745 C4	3753 E5	3761 C11	3768 B8	3775 D11	3782 H8	3791 D9	4709 D11	7711-B D4	7716 B6
1707-B E5	1713 B14	2763 H10	2711 S3	2722 E5	2722 E5	2722 E5	2744 C4	2749 H5	2759 E2	3707 H1	3715 G4	3722 F3	3729 H9	3737 E4	3746 C3	3754 A7	3761 A12	3768 C8	3775 C12	3782 G10	3791 D9	4710 F12	7712-A F4	7716 C10
1707-C G6	1721 G14	2769 G2	2712 C4	2721 H10	2726 F7	2728 F5	2745 D5	2749 H5	2759 E2	3708 G8	3716 F5	3724 G3	3731 F4	3738 D3	3747 B5	3756 G7	3763 H12	3770 B10	3777 C12	3784 H11	3791 D9	4711 G12	7712-B H4	7718 C10
1707-D G2	1720 B14	2767 E3	2714 H4	2722 H10	2726 F5	2728 F5	2745 D5	2749 H5	2759 E2	3709 G10	3717 F8	3725 G5	3732 D8	3740 E4	3748 A5	3756 G7	3764 B6	3771 C10	3778 G11	3787 H10	4703 B5	4704 H11	7713 B3	7722 D6
1707-E E5	2701 G3	2763 E3	2715 B6	2723 G10	2731 F5	2740 D6	2748 H5	2749 H5	2759 E2	3711 E7	3718 F7	3726 G4	3733 C5	3741 E3	3749 I4	3757 D7	3765 C3	3772 F12	3779 F11	3788 E2	4706 F12	7709 D6	7714 C3	7723 G9



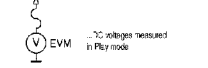
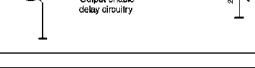
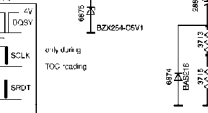
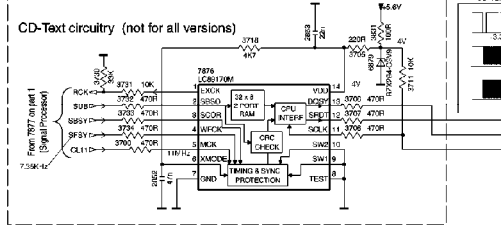
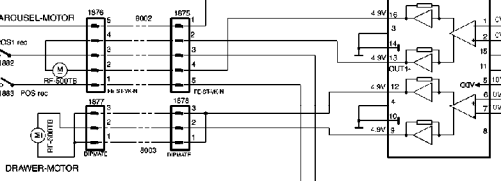
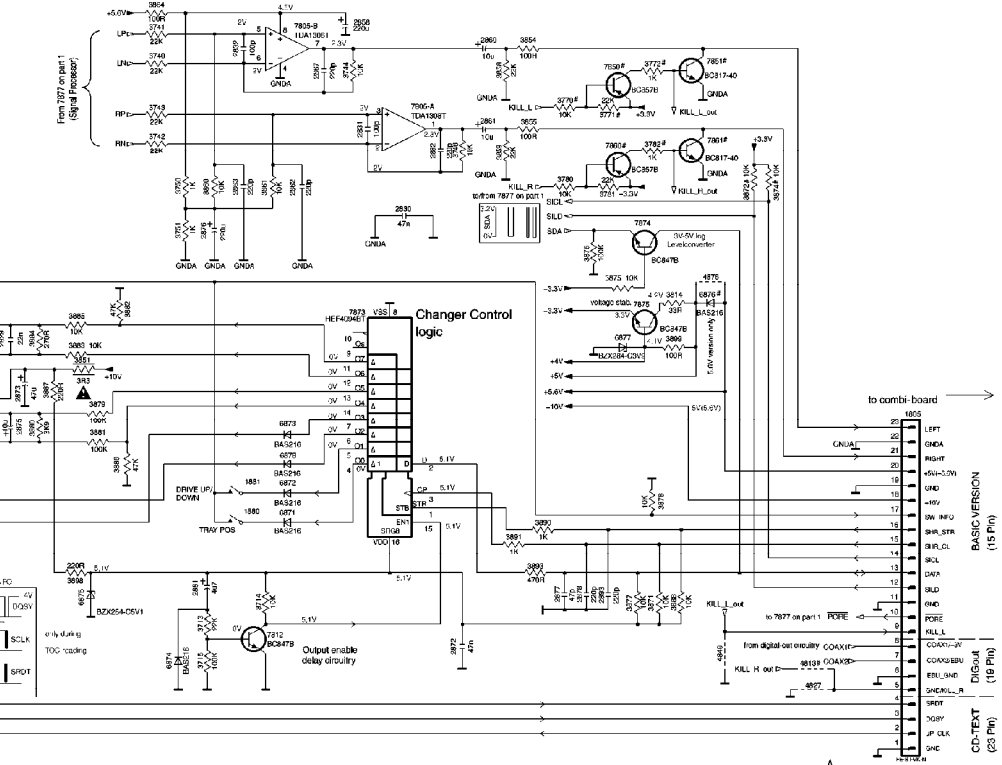
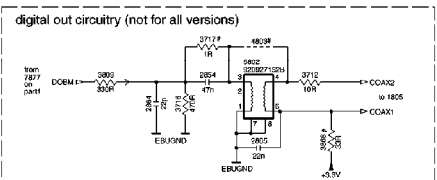
① indicates that component is used on print page .3 only  
 ② indicates that component is used from part page .4 onwards  
 DC voltages measured with nominal supply voltage  
 V Play mode  
 V Rec mode  
 V High Speed Dubbing  
 V High Speed Dubbing Play deck B / deck A

1801 D1	2801 C4	3801 A6	4811 B12	5801 F9	6801 F7	7811 F5	8811 F1	9811 B6	1081 B8	1181 B4	1281 B4	1381 B4	1481 B4	1581 B4	1681 B4	1781 B4	1881 B4	1981 B4	2081 B4	2181 B4	2281 B4	2381 B4	2481 B4	2581 B4	2681 B4	2781 B4	2881 B4	2981 B4	3081 B4	3181 B4	3281 B4	3381 B4	3481 B4	3581 B4	3681 B4	3781 B4	3881 B4	3981 B4	4081 B4	4181 B4	4281 B4	4381 B4	4481 B4	4581 B4	4681 B4	4781 B4	4881 B4	4981 B4	5081 B4	5181 B4	5281 B4	5381 B4	5481 B4	5581 B4	5681 B4	5781 B4	5881 B4	5981 B4	6081 B4	6181 B4	6281 B4	6381 B4	6481 B4	6581 B4	6681 B4	6781 B4	6881 B4	6981 B4	7081 B4	7181 B4	7281 B4	7381 B4	7481 B4	7581 B4	7681 B4	7781 B4	7881 B4	7981 B4	8081 B4	8181 B4	8281 B4	8381 B4	8481 B4	8581 B4	8681 B4	8781 B4	8881 B4	8981 B4	9081 B4	9181 B4	9281 B4	9381 B4	9481 B4	9581 B4	9681 B4	9781 B4	9881 B4	9981 B4	10081 B4
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1805 D15	2302 B10	2858 A10	2865 C4	2877 F11	3705 G4	3713 F8	3735 G2	3741 A7	3781 C7	3782 B12	3885 B11	3886 C4	3877 F12	3883 D6	3890 F11	4813 D14	6872 E8	6878 E8	7381 A13	7878 C12	MP723 D8	MP800 F10	MP810 F13	MP830 A9	MP855 E14	MP867 E8	MP882 G2	MP881 E5
1876 D2	2302 B10	2858 A10	2865 C4	2877 F11	3705 G4	3713 F8	3735 G2	3741 A7	3781 C7	3782 B12	3885 B11	3886 C4	3877 F12	3883 D6	3890 F11	4813 D14	6872 E8	6878 E8	7381 A13	7878 C12	MP723 D8	MP800 F10	MP810 F13	MP830 A9	MP855 E14	MP867 E8	MP882 G2	MP881 E5
1890 E8	2302 B10	2858 A10	2865 C4	2877 F11	3705 G4	3713 F8	3735 G2	3741 A7	3781 C7	3782 B12	3885 B11	3886 C4	3877 F12	3883 D6	3890 F11	4813 D14	6872 E8	6878 E8	7381 A13	7878 C12	MP723 D8	MP800 F10	MP810 F13	MP830 A9	MP855 E14	MP867 E8	MP882 G2	MP881 E5
1811 E8	2302 B10	2858 A10	2865 C4	2877 F11	3705 G4	3713 F8	3735 G2	3741 A7	3781 C7	3782 B12	3885 B11	3886 C4	3877 F12	3883 D6	3890 F11	4813 D14	6872 E8	6878 E8	7381 A13	7878 C12	MP723 D8	MP800 F10	MP810 F13	MP830 A9	MP855 E14	MP867 E8	MP882 G2	MP881 E5
2829 D9	2302 B10	2858 A10	2865 C4	2877 F11	3705 G4	3713 F8	3735 G2	3741 A7	3781 C7	3782 B12	3885 B11	3886 C4	3877 F12	3883 D6	3890 F11	4813 D14	6872 E8	6878 E8	7381 A13	7878 C12	MP723 D8	MP800 F10	MP810 F13	MP830 A9	MP855 E14	MP867 E8	MP882 G2	MP881 E5

3CDC-LC-mainboard part 2



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
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to combi-board

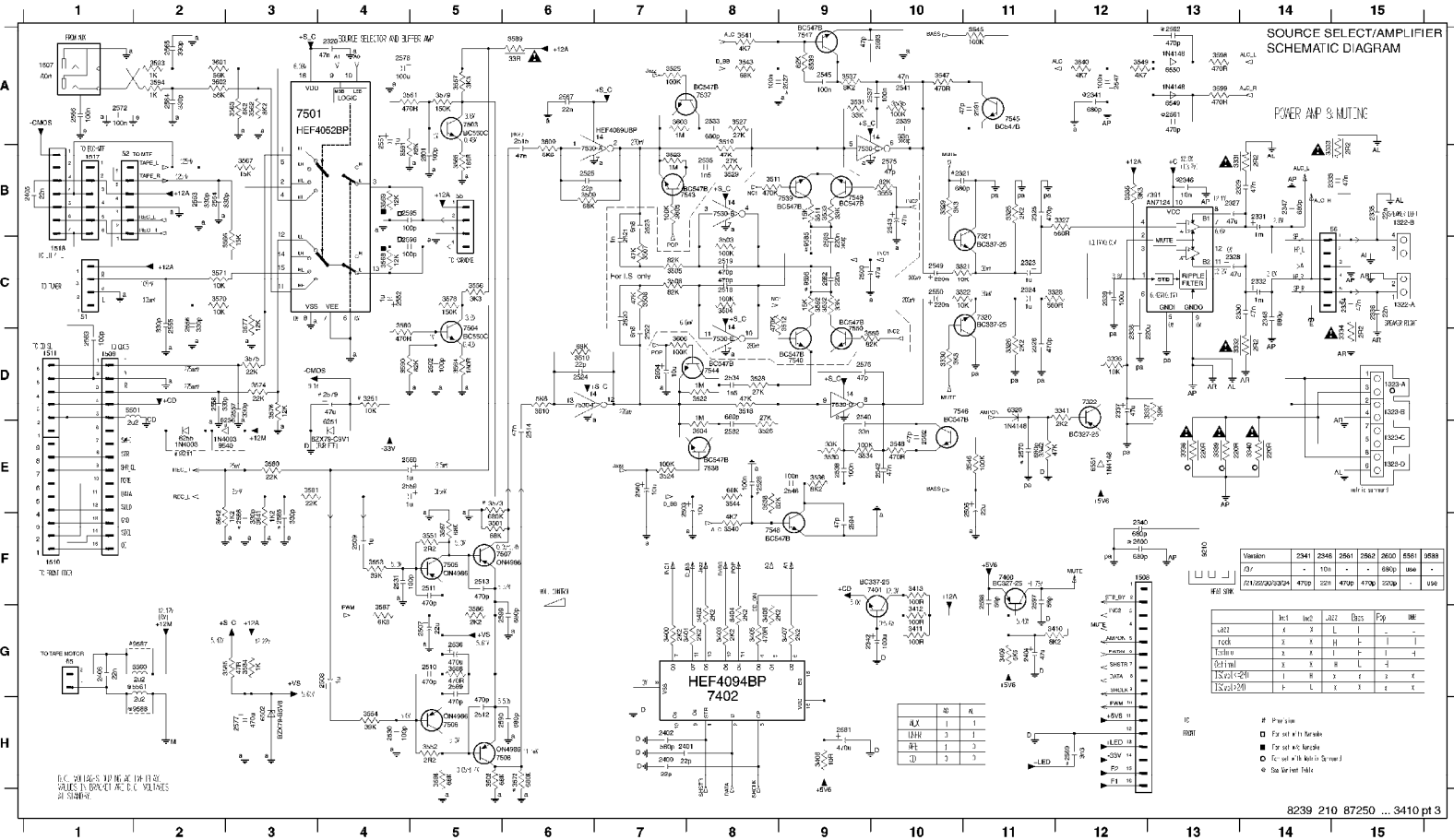
BASIC VERSION (15 Pin)

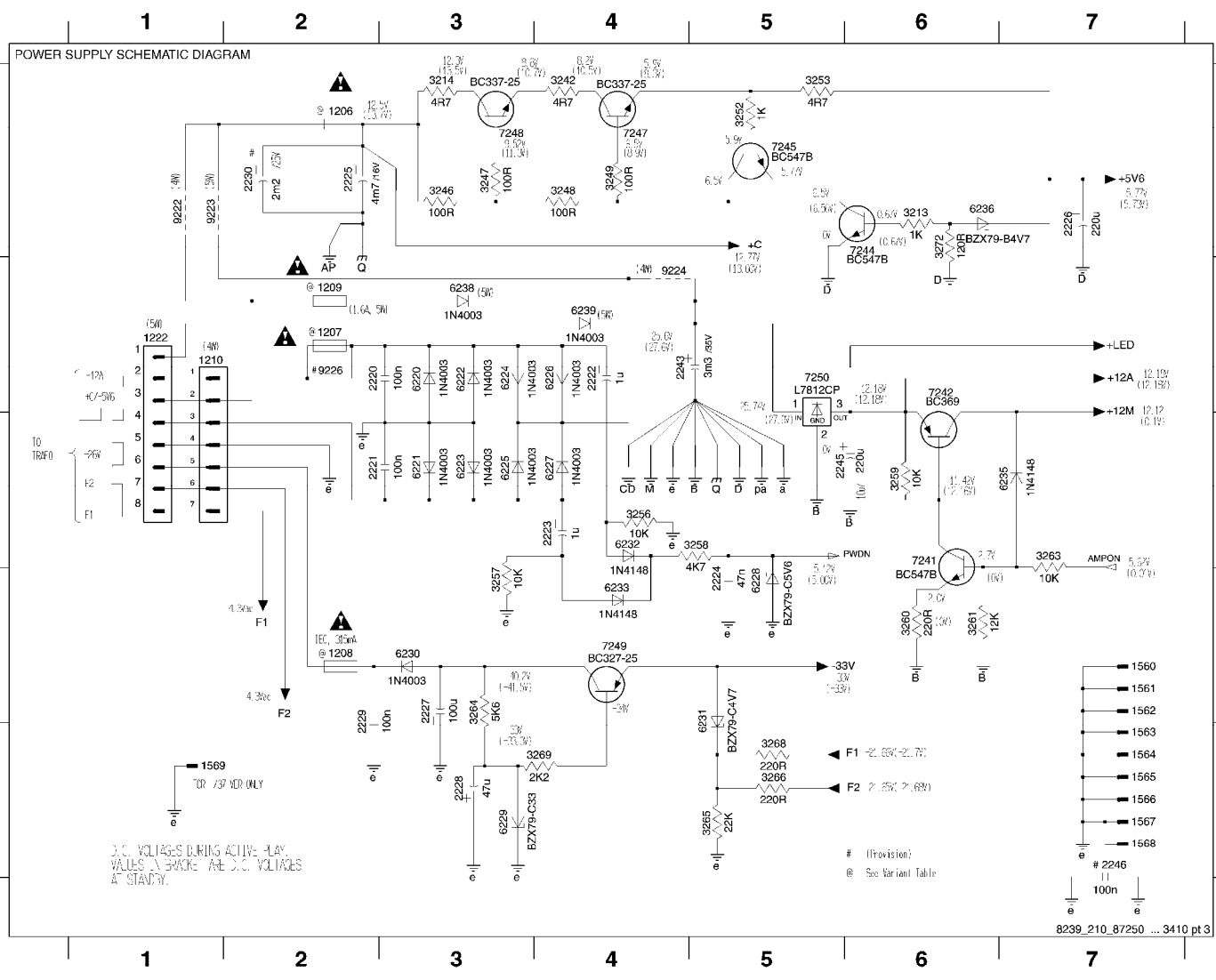
CD-TEXT (19 Pin)





01 C1	1907 A1	2570 B11	2326 C10	3461 H1	2907 D0	2207 C7	2633 A8	2545 A9	2907 D0	2569 H12	2983 C0	2987 F11	3278 B10	2348 E14	3409 H6	3268 C7	3234 E7	3530 A10	2947 A10	3960 C4	3911 C2	3934 C0	3296 H0	3910 D6	6392 D11	7422 D8	7330 C-D8	7347 A8	
02 B1	1506 F12	2326 D11	2327 D12	2402 H7	2509 G4	2261 B7	2634 D8	2948 E9	2556 D2	2570 E11	2265 F3	2596 F11	3230 D10	2341 D12	3409 G11	3267 C7	3225 A7	3296 E9	2946 E10	3561 A5	3572 H9	3585 G3	3977 F5	3911 B9	6902 H3	7501 A3	7500 E-D8	7548 F8	
03 B5	1509 D1	2267 D13	2326 D12	2404 G11	2509 F4	2322 B7	2505 D8	2547 A12	2536 E4	2572 A1	2266 F3	2596 G5	3331 B15	3342 E11	3411 G12	3268 C7	3226 D8	3237 A9	3566 A12	3562 A3	3573 E5	3586 G3	3978 A13	3944 A12	6506 A13	7303 A5	7500 F-D8	7548 D9	
04 B15	1510 F1	2278 F12	2326 C12	2400 B1	2910 D5	2323 B7	2536 C5	2548 C10	2540 E4	2575 B10	2268 C3	2600 F15	3332 D13	3400 C7	3411 G10	3269 B9	3237 A8	3568 E9	3566 D12	3562 A3	3574 D5	3587 C3	3978 F3	3944 F3	6506 A13	7303 A5	7500 F-D8	7548 D9	
05 G1	1511 D1	2326 D14	2340 F12	2406 G1	2511 F5	2324 D6	2537 A10	2549 C10	2581 A12	2578 D9	2269 H6	2321 D4	3333 B14	3401 G8	3412 G10	3210 D6	3269 D8	3539 A9	3531 F5	3564 D5	3576 D3	3588 G3	3978 A2	3944 F2	6901 E12	7305 F5	7500 E8	8010 F18	
06 A-C16	1517 B1	2330 C14	2341 A12	2390 C2	2912 H6	2329 B6	2539 B5	2581 A4	2562 A12	2573 H5	2261 A11	3221 C11	3334 D16	3400 C8	3413 F10	3211 B8	3239 B8	3540 F9	3532 H6	3566 B6	3576 D3	3588 A4	3978 D3	3944 A4	3922 C11	7305 C11	7308 H6	8011 E2	
07 B-D16	1518 C1	2331 B14	2346 D9	2901 B5	2518 F5	2327 A5	2539 A10	2562 C4	2569 D1	2576 A4	2262 E10	3228 C11	3335 B12	3403 G5	3501 F5	3512 C9	3538 E9	3541 A5	3558 F4	3569 C4	3577 C3	3590 D4	3978 D3	3944 A7	6560 C2	7301 C11	7507 F5	7540 D9	8040 C3
08 A-D16	1520 A4	2332 A4	2346 B13	2502 C5	2544 D5	2328 B2	2544 D5	2563 B2	2564 A2	2575 D4	2263 A10	3226 B11	3336 D12	3404 C8	3502 H6	3518 D8	3533 A3	3543 A8	3554 H4	3567 E9	3578 E5	3588 A4	3978 D3	3944 A8	3924 E8	7302 D12	7308 H6	7548 E7	8040 C3
09 B-D16	1521 B13	2333 B15	2347 B14	2903 E7	2519 A5	2330 H4	2541 A10	2564 B2	2566 A2	2560 E7	2264 F9	3228 D11	3337 D13	3406 C8	3503 C9	3519 A8	3533 C9	3544 E8	3568 B10	3568 C4	3579 A5	3590 C9	3978 D3	3944 A7	6901 E4	7301 B19	7332 A B5	7548 D9	8040 C3
10 A-D16	1523 C11	2335 C11	2348 C14	2504 D7	2519 F4	2334 D7	2542 E10	2565 C2	2566 A1	2561 H9	2265 D4	3227 B12	3338 E13	3406 C8	3504 C9	3522 D8	3533 B9	3545 A11	3556 C5	3569 B4	3579 E3	3590 A2	3978 D3	3944 A2	6901 E2	7301 F11	7332 B-D8	7545 A11	8040 C3
11 B-D16	1524 E10	2334 C11	2336 D15	2400 H7	2506 E11	2919 C9	2543 B10	2566 C2	2567 A5	2562 C9	2266 C4	3228 E13	3339 E13	3407 D9	3505 C7	3523 B7	3534 E9	3546 E11	3557 A5	3570 C2	3581 E3	3978 A2	3944 A6	6901 E2	7301 F10	7332 C-B9	7546 D11	8040 H2	





1206 A2	6299 B4
1207 B2	7241 C6
1208 D2	7242 B6
1209 B2	7244 A6
1210 B1	7245 A5
1222 B1	7247 A4
1560 D7	7248 A3
1561 D7	7249 D4
1562 D7	7250 B5
1563 E7	9222 A1
1564 E7	9223 A1
1565 E7	9224 B4
1566 E7	9226 B2
1567 E7	
1568 E7	
1569 E2	
2220 B2	
2221 C2	
2222 B4	
2223 C4	
2224 D5	
2225 A2	
2226 A7	
2227 D9	
2228 E3	
2229 D2	
2230 A2	
2243 B4	
2245 C5	
2246 E7	
3213 A6	
3214 A3	
3242 A4	
3246 A3	
3247 A3	
3248 A4	
3249 A4	
3252 A5	
3253 A5	
3254 A5	
3255 D3	
3256 C5	
3258 C6	
3260 D6	
3261 D6	
3263 C7	
3264 D3	
3265 E5	
3266 E5	
3268 E5	
3269 E4	
3272 A6	
6220 B3	
6221 B3	
6222 B3	
6223 C3	
6224 B3	
6225 C3	
6226 B4	
6227 C4	
6228 D5	
6229 E3	
6230 D3	
6231 D5	
6232 C4	
6233 D4	
6235 C7	
6236 A6	
6238 B3	

D.C. VOLTAGES DURING ACTIVE PLAY.  
 VALUES IN BRACKET ARE D.C. VOLTAGES  
 AT STANDBY.

# If provision  
 @ See Variant Table

1201 C1 1202 C2 1205 C2 1570 D1 3208 D1 5202 C1 9271 C1 9272 C1 9273 C2 9299 D2

TRANSFORMER PRIMARY SCHEMATIC DIAGRAM

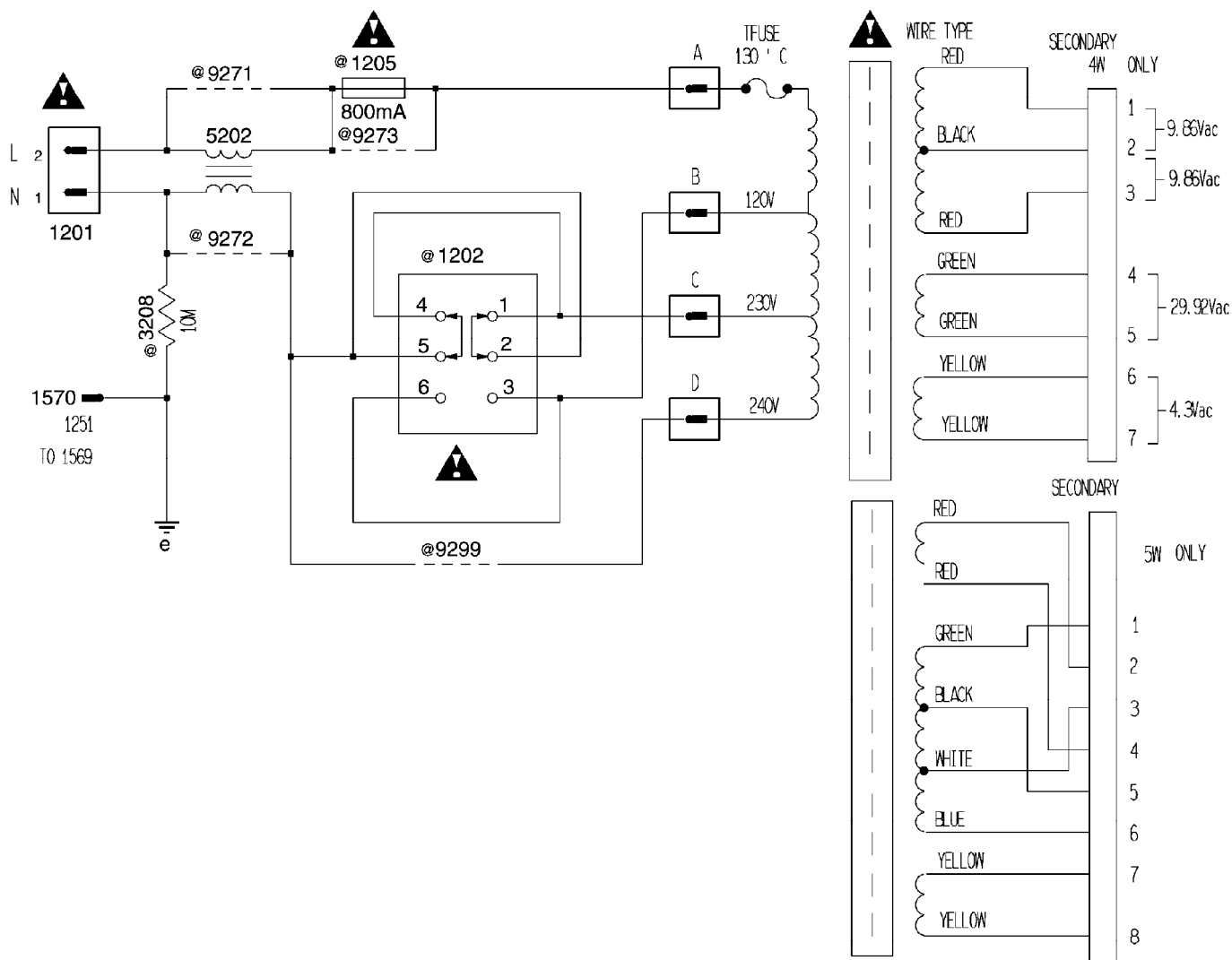
1 2 3 4

TRANSFORMER PRIMARY WIRE STUFFING								
PRIMARY WIRE	A		B		C		D	
VERSION	4W	5W	4W	5W	4W	5W	4W	5W
/ 37	WHITE	-	-	-	-	-	BLACK	-
/ 21	-	BROWN	-	BLACK	-	BLUE	-	RED
/ 22 / 34	BROWN	-	-	-	-	-	BLUE	-

@ VERSION TABLE (SEE SHEET 1 FOR ITEM 1206, 1207, 1208, 1209)

VERSION	9271	9272	9273	9299	5202	1251	1202	1205	1206	1207	1208	1209	3208
/ 37	x	x	x	x	-	x	-	-	T2.0A UL	T2A, UL	315mA, UL	-	x
/ 21	-	-	-	-	x	-	x	800mA, IEC	T1.6A, IEC	T1.6A, IEC	315mA, IEC	T1.6A, IEC	-
/ 22	-	-	x	x	x	-	-	-	T1.6A, IEC	T1.6A, IEC	315mA, IEC	-	-
/ 30 #	-	-	x	x	x	-	-	-	T1.6A, IEC	T1.6A, IEC	315mA, IEC	-	-
/ 34 #	-	-	x	x	x	-	-	-	T1.6A, IEC	T1.6A, IEC	315mA, IEC	-	-

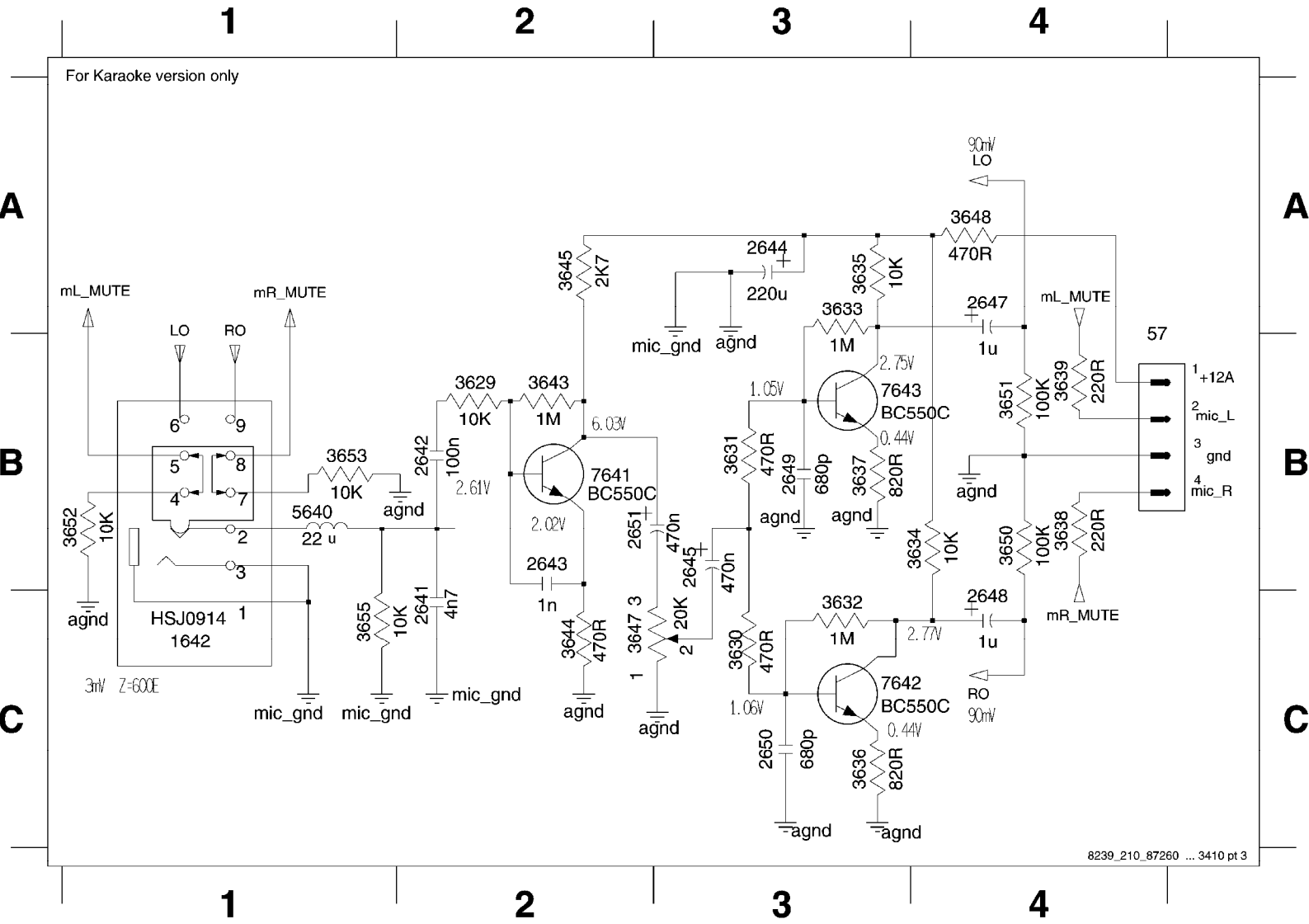
Mains Transformer



1 2 3 4

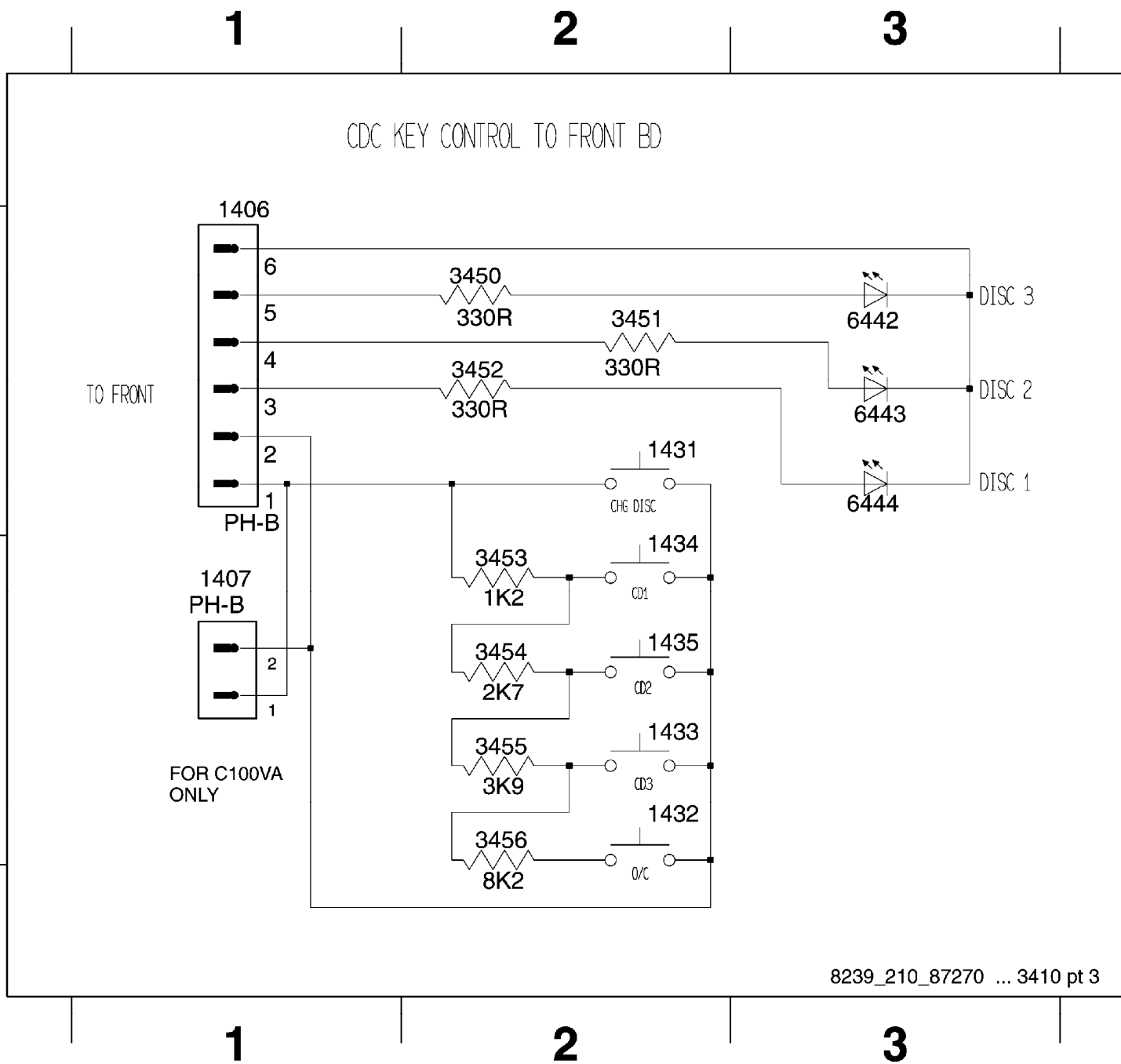
57 B4	2642 B2	2645 B3	2649 B3	3629 B2	3632 C3	3635 A3	3638 B4	3644 C2	3648 A4	3652 B1	5640 B1	7643 B3
1642 C1	2643 B2	2647 A4	2650 C3	3630 C3	3633 A3	3636 C3	3639 B4	3645 A2	3650 B4	3653 B1	7641 B2	
2641 C2	2644 A3	2648 C4	2651 B2	3631 B3	3634 B4	3637 B3	3643 B2	3647 C2	3651 B4	3655 C1	7642 C3	

KARAOKE SCHEMATIC DIAGRAM



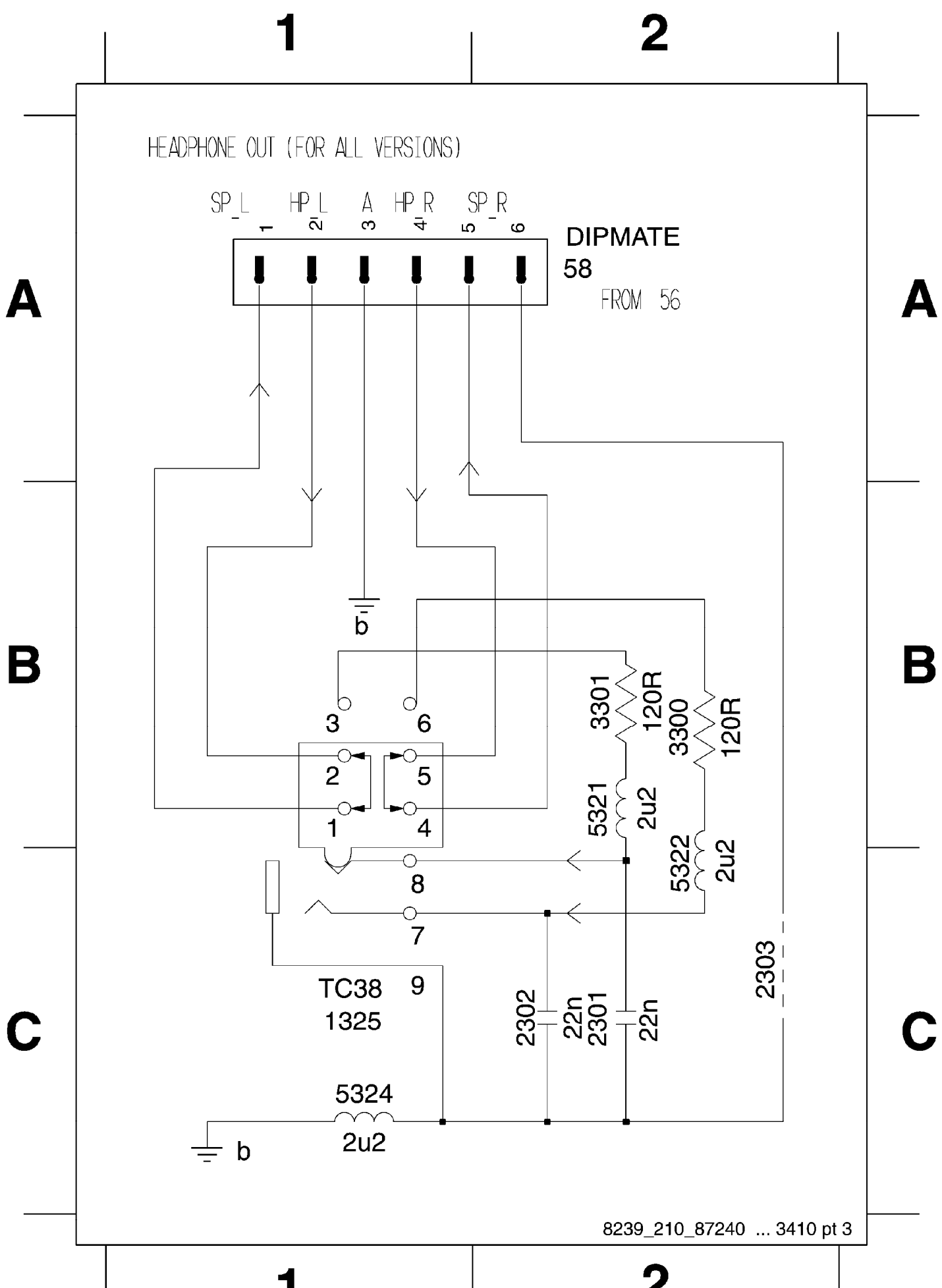
1406 A1	1431 A2	1433 B2	1435 B2	3451 A2	3453 B2	3455 B2	6442 A3	6444 A3
1407 B1	1432 B2	1434 B2	3450 A2	3452 A2	3454 B2	3456 B2	6443 A3	

CDC KEY SCHEMATIC DIAGRAM



58 A2	2301 C2	2303 C2	3301 B2	5322 C2
1325 C1	2302 C2	3300 B2	5321 B2	5324 C1

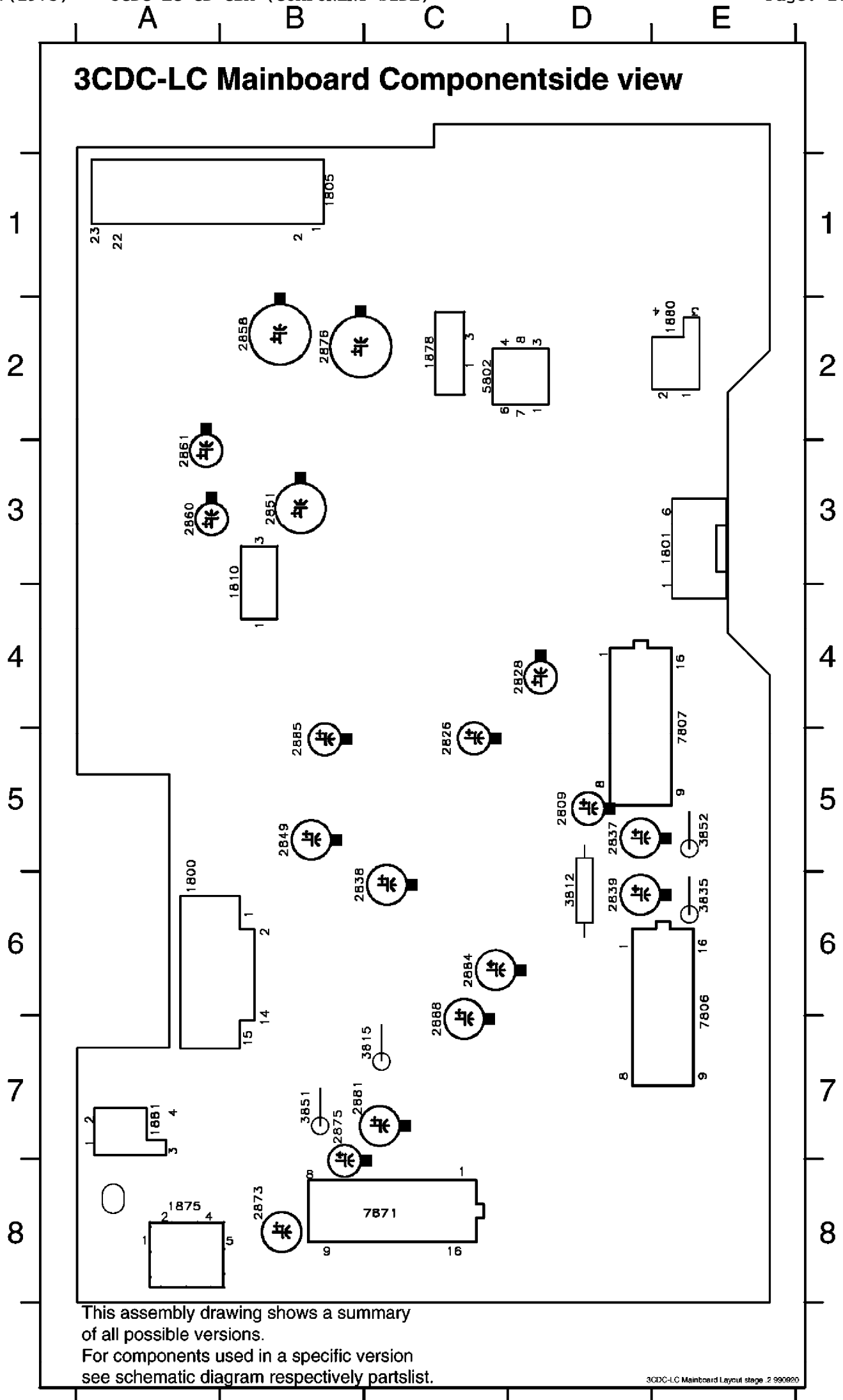
HEADPHONE SCHEMATIC DIAGRAM





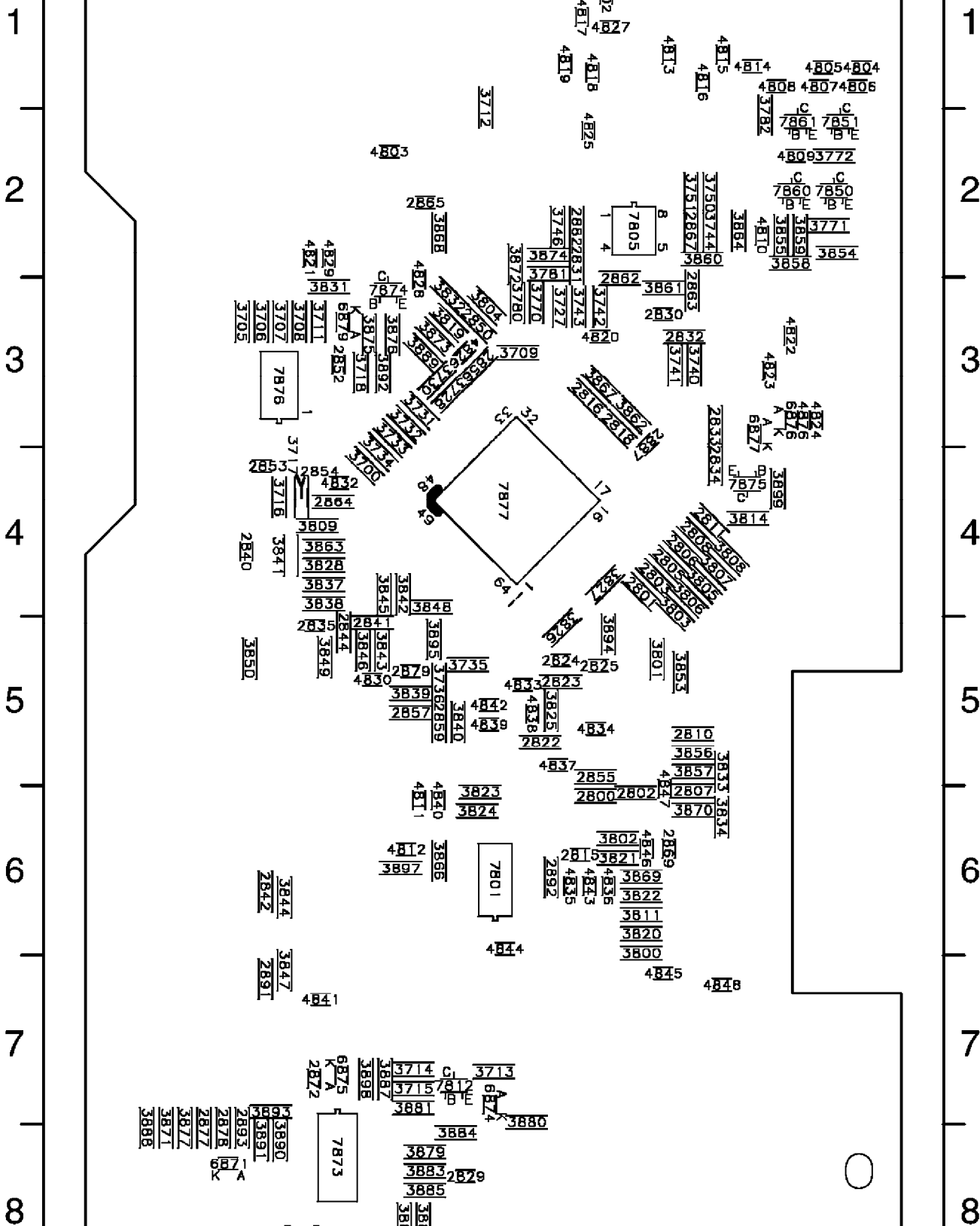


# 3CDC-LC Mainboard Componentside view



This assembly drawing shows a summary of all possible versions. For components used in a specific version see schematic diagram respectively partslist.

# 3CDC-LC Mainboard Copperside view

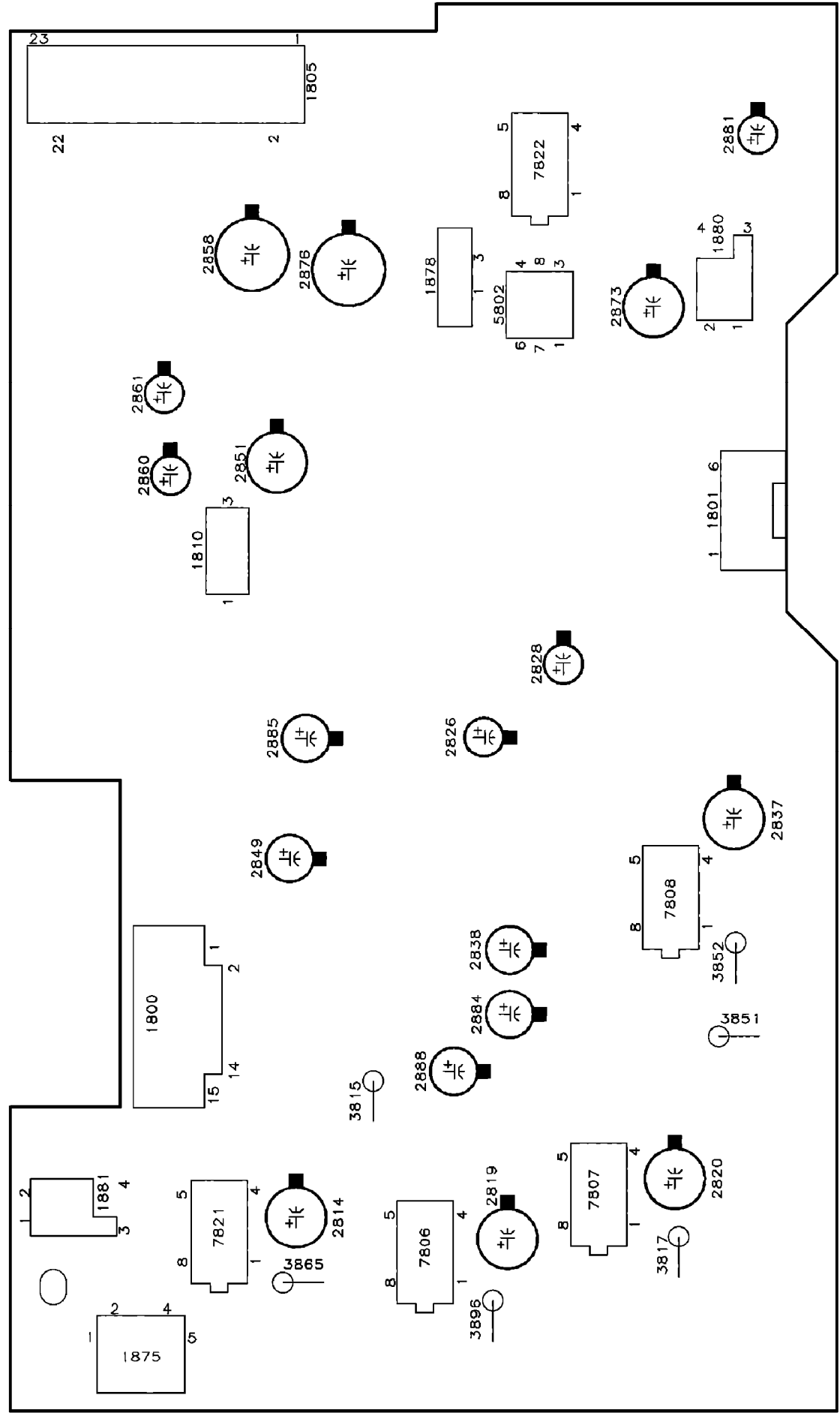


This assembly drawing shows a summary of all possible versions. For components used in a specific version see schematic diagram respectively partslist.

### 3CDC-LC-MB Componentside view

A  
B  
C  
D  
E  
F  
G  
H

A  
B  
C  
D  
E  
F  
G  
H

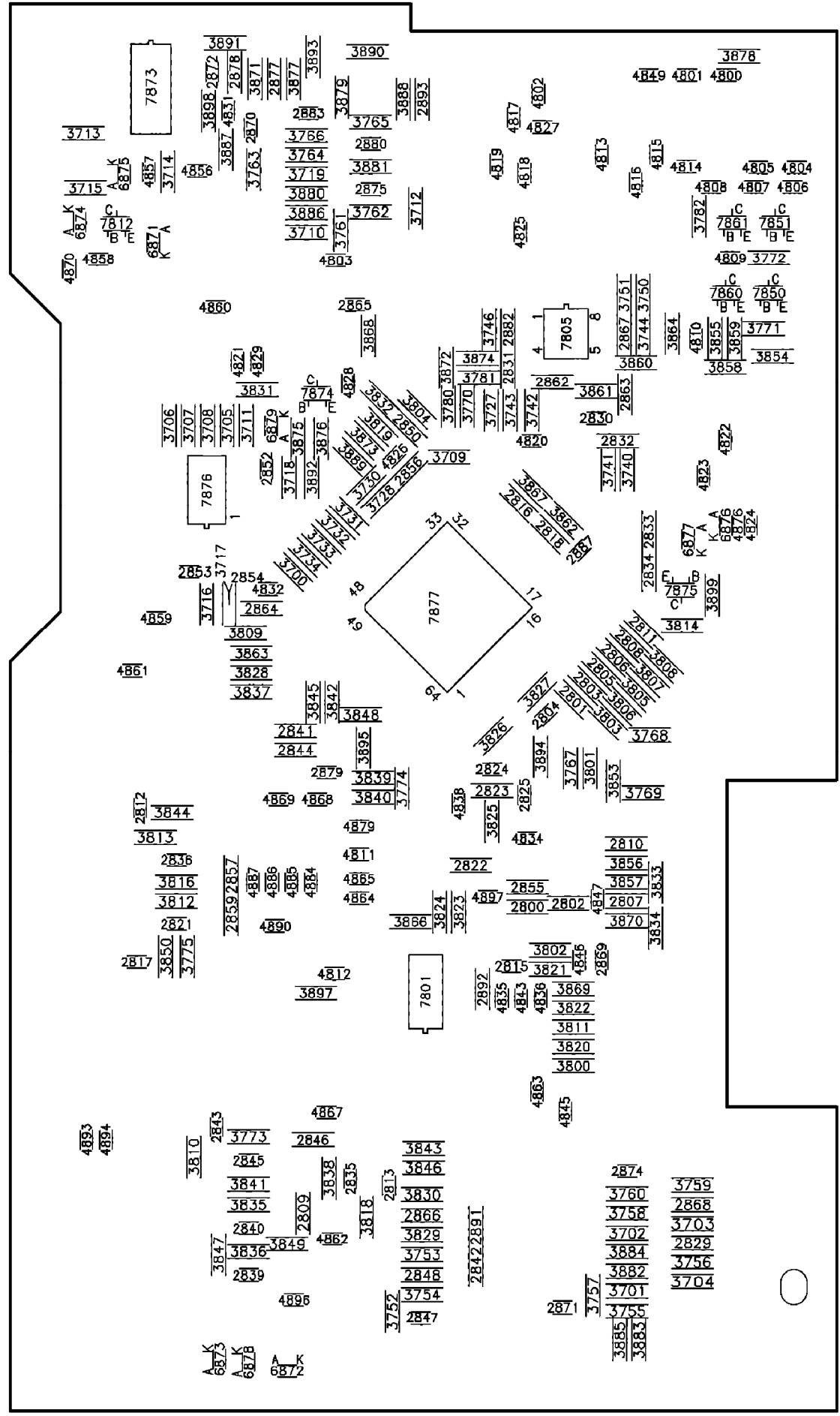


This assembly drawing shows a summary of all possible versions.  
 For components used in a specific version see schematic diagram respectively partlist.

# 3CDC-LC-MB Copperside view

A  
B  
C  
D  
E  
F  
G  
H

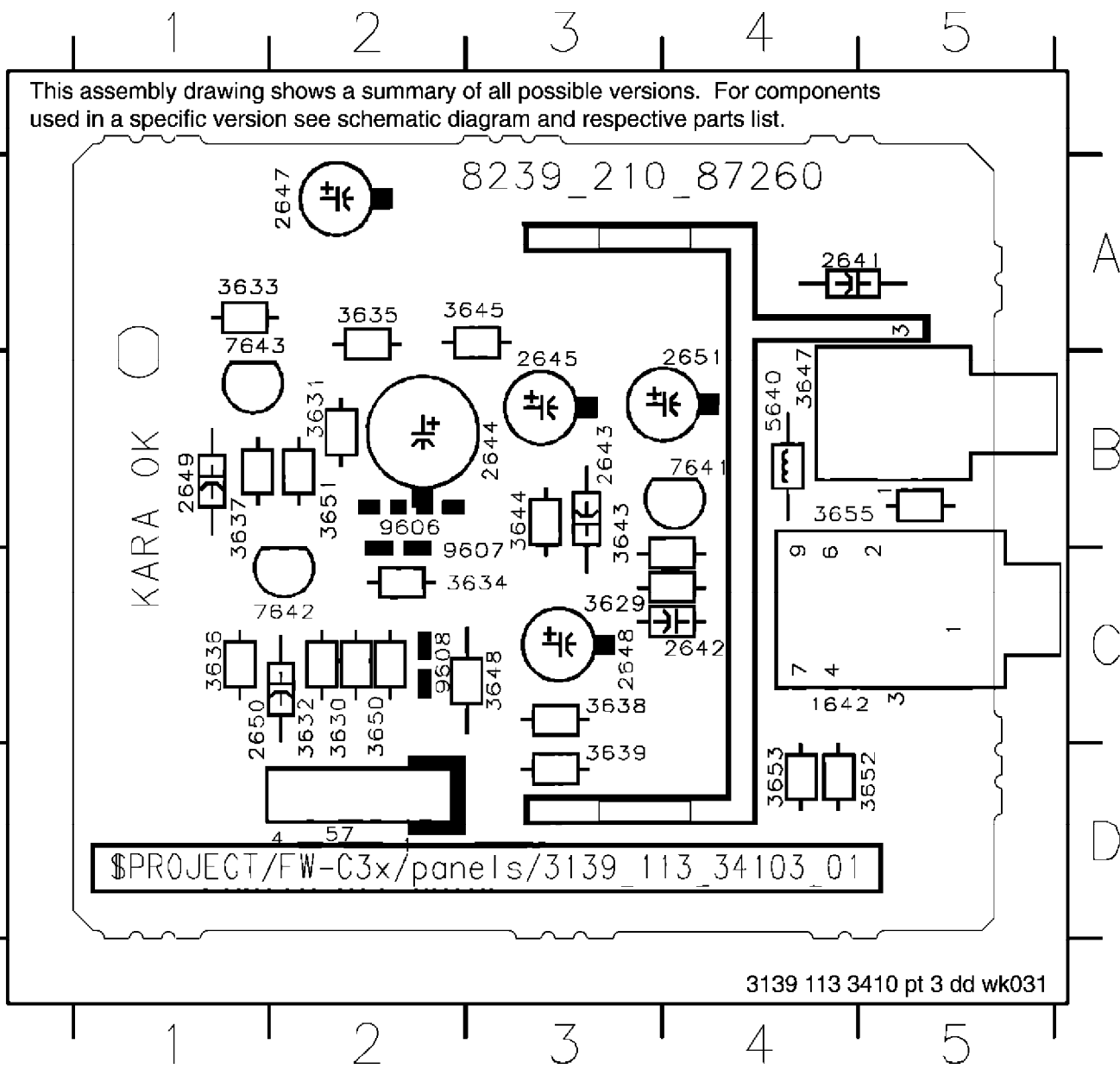
A  
B  
C  
D  
E  
F  
G  
H



This assembly drawing shows a summary of all possible versions. For components used in a specific version see schematic diagram respectively partslist.



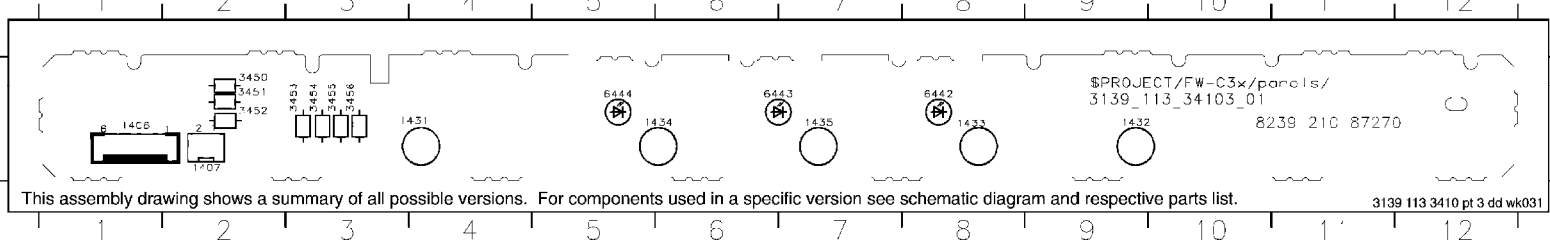




57  
D2  
42  
C4  
41  
A4  
42  
C4  
43  
B3  
44  
B3  
45  
A2  
47  
C1  
48  
B1  
49  
C1  
50  
B4  
51  
C3  
52  
A1  
53  
C3  
54  
A1  
55  
B1  
56  
C3  
57  
B3  
58  
C3  
59  
B4  
60  
C3  
61  
A1  
62  
B2  
63  
C3  
64  
B4  
65  
B4  
66  
B4  
67  
B4  
68  
C2

1406 A' 1407 A2 1451 A4 1452 A9 1453 A8 1454 A6 1455 A7 3450 A2 3451 A2 3452 A2 3453 A3 3454 A3 3455 A3 3456 A3 6442 A8 6443 A6 6444 A5

CDC KEY CBA (COMPONENT SIDE)

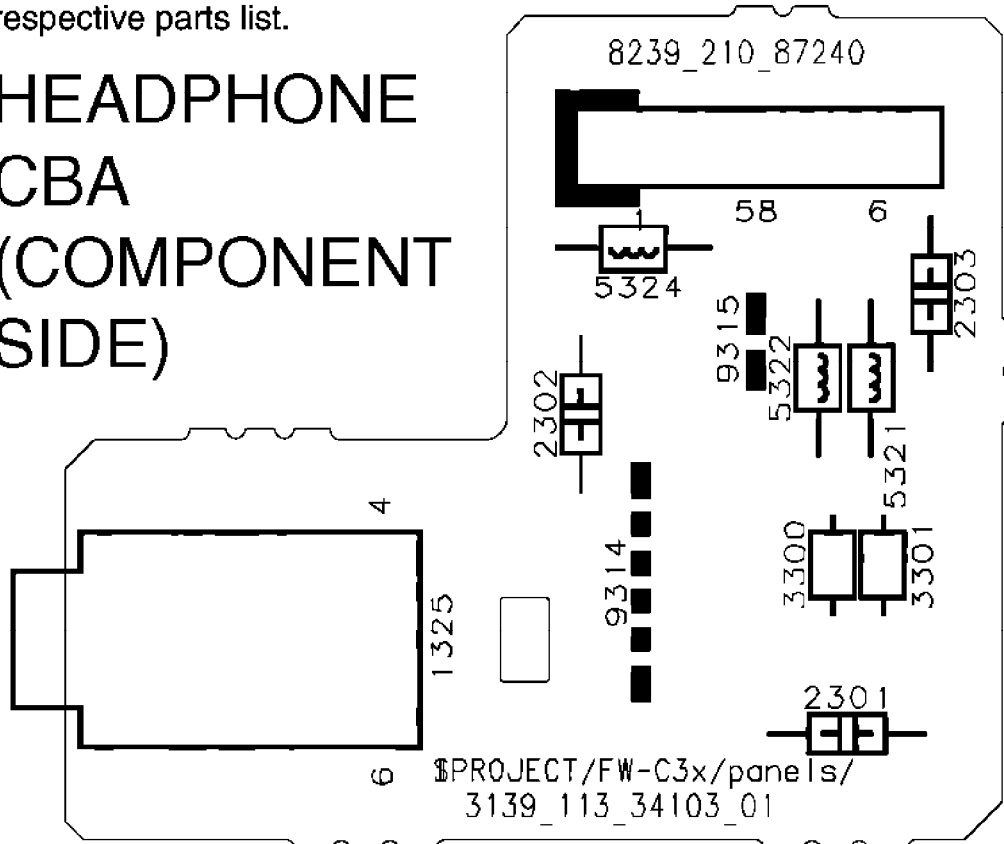


This assembly drawing shows a summary of all possible versions. For components used in a specific version see schematic diagram and respective parts list. 3139 113 3410 pt 3 dd wk031

This assembly drawing shows a summary of all possible versions. For components used in a specific version see schematic diagram and respective parts list.

# HEADPHONE CBA (COMPONENT SIDE)

8239\_210\_87240

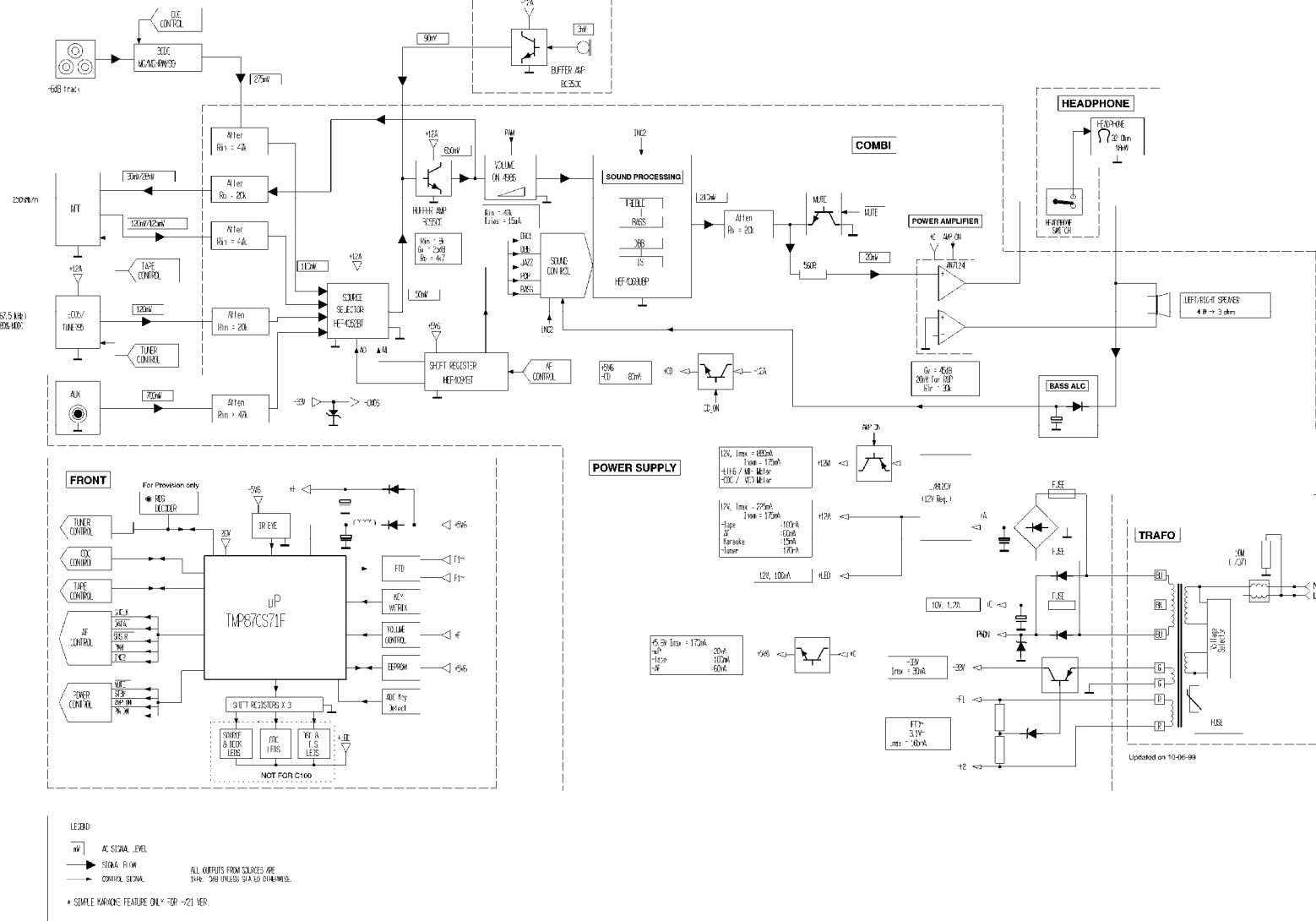


PROJECT/FW-C3x/panels/  
3139\_113\_34103\_01

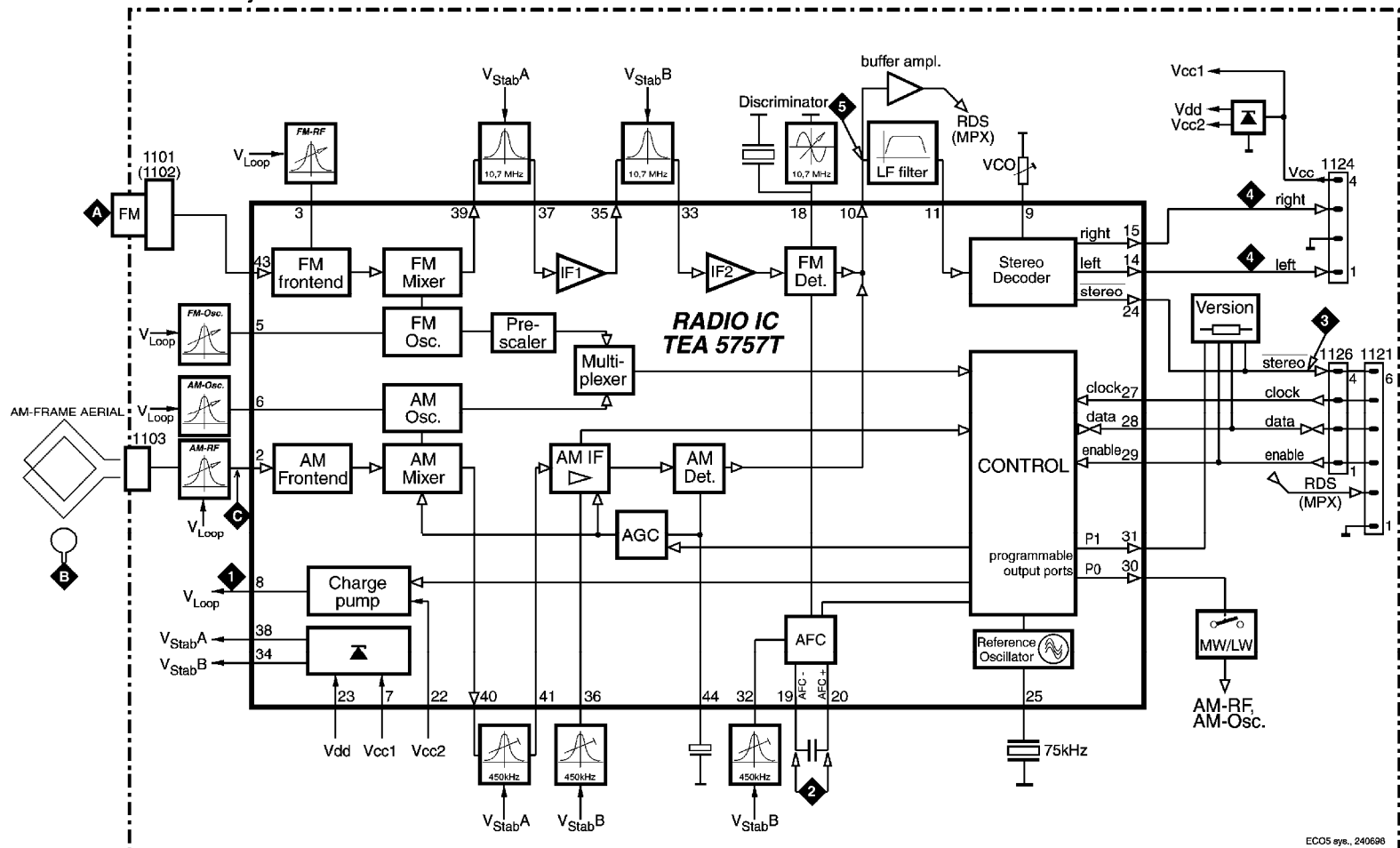
3139 113 3410 pt 3 dd wk031

1	3	2	5	8	A
2	3	0	1	1	A
2	3	0	2	1	A
2	3	0	3	1	A
3	3	0	0	1	A
3	3	0	1	1	A
5	3	3	2	1	A
5	3	3	2	2	A
5	3	3	2	4	A
9	3	3	1	4	A
9	3	3	1	5	A

OVERALL BLOCK DIAGRAM



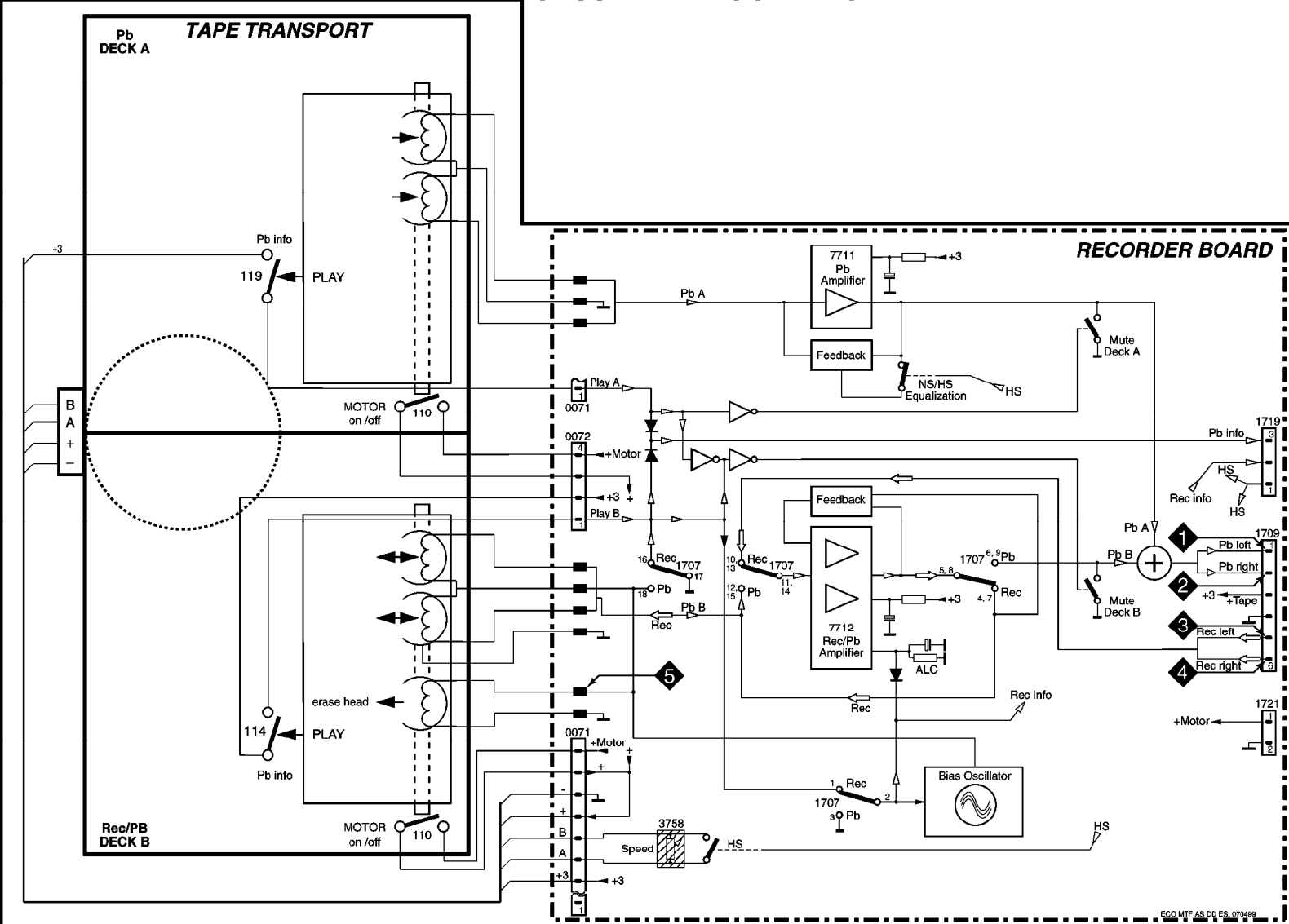
**TUNER BOARD**  
**ECO 5 systems**



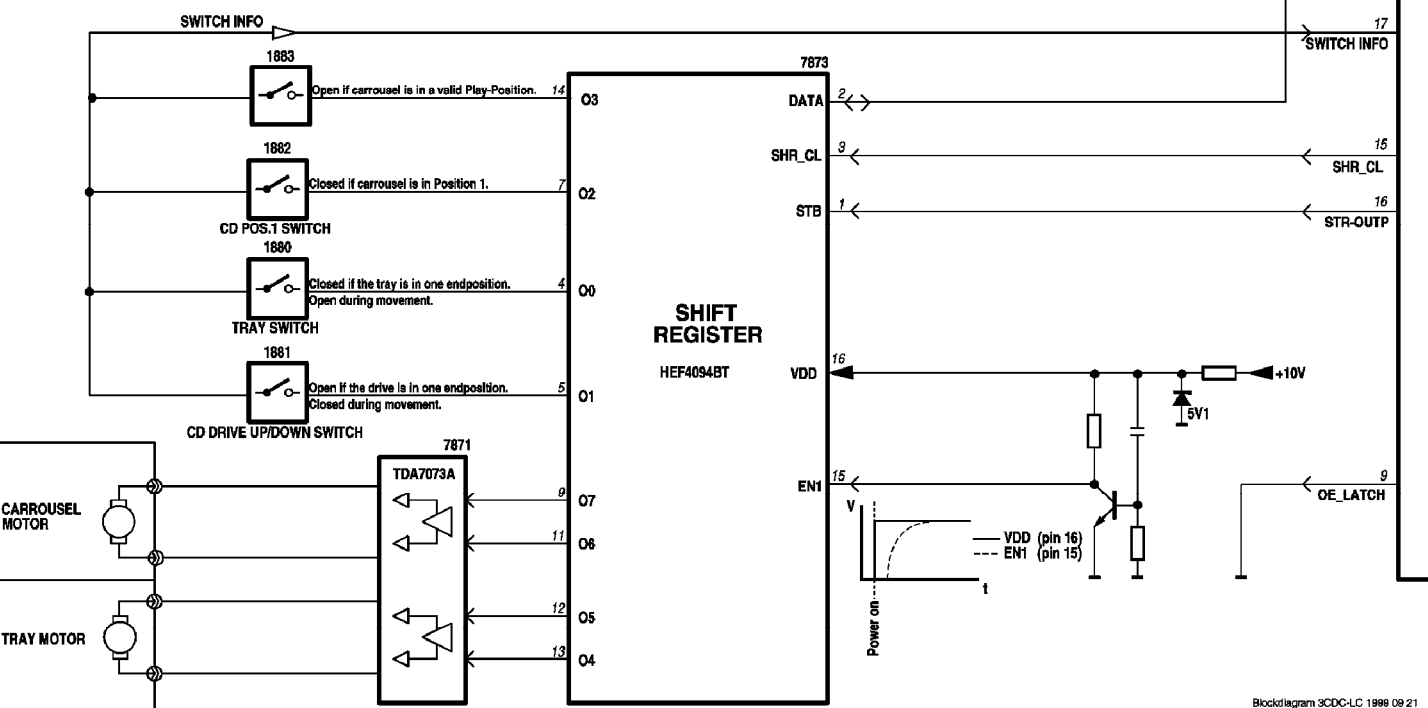
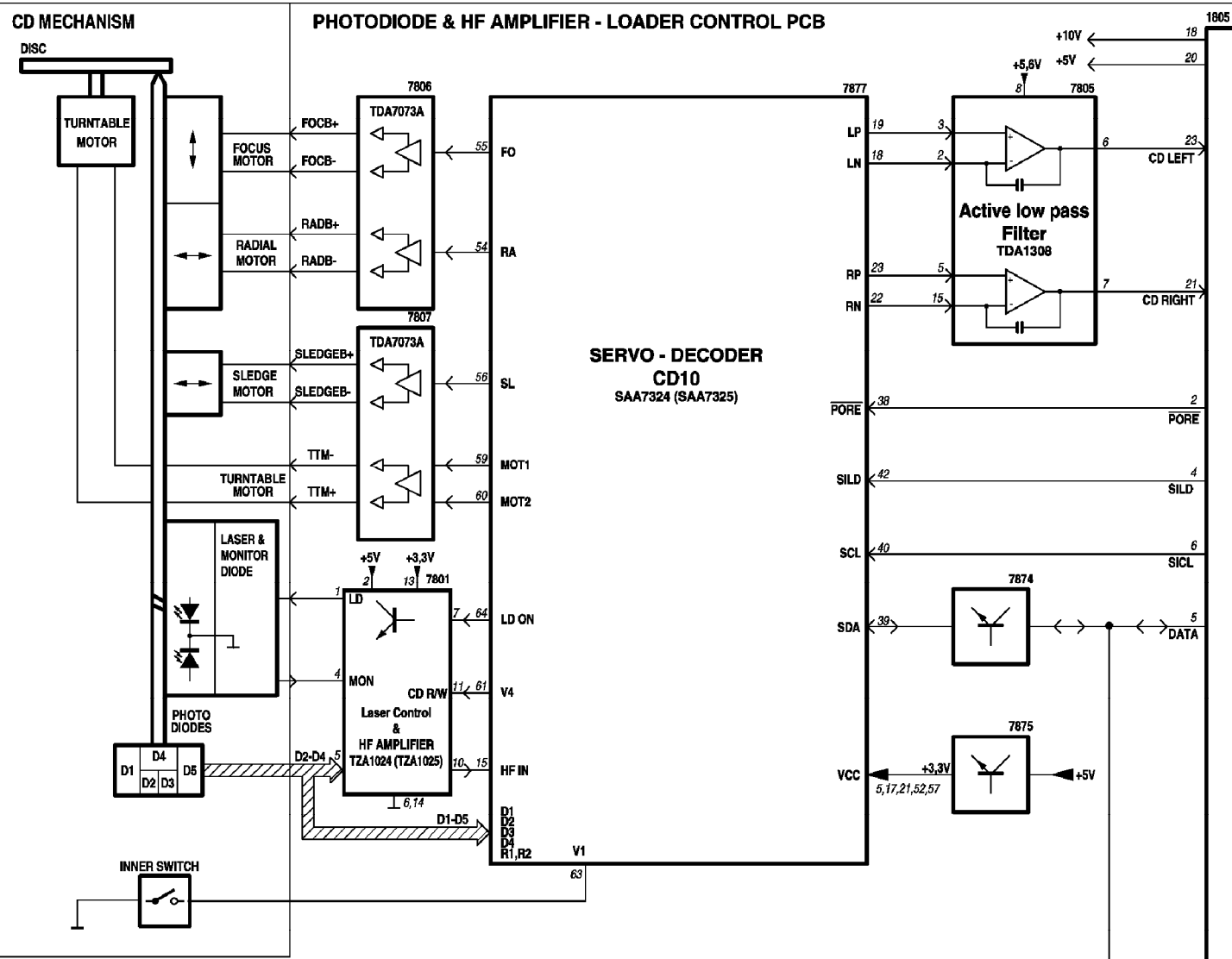
ECO5 sys., 240698

RECORDER MODULE ECO MTF-AS-DD-ES

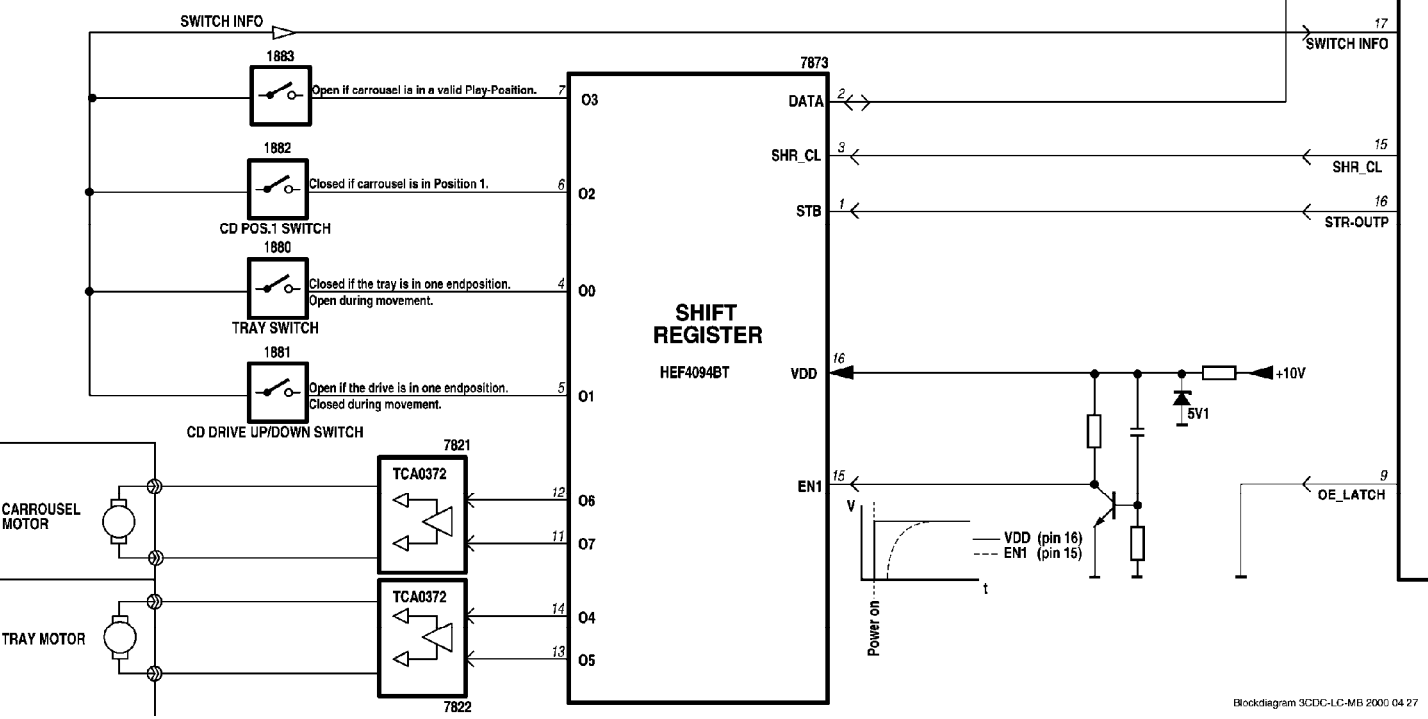
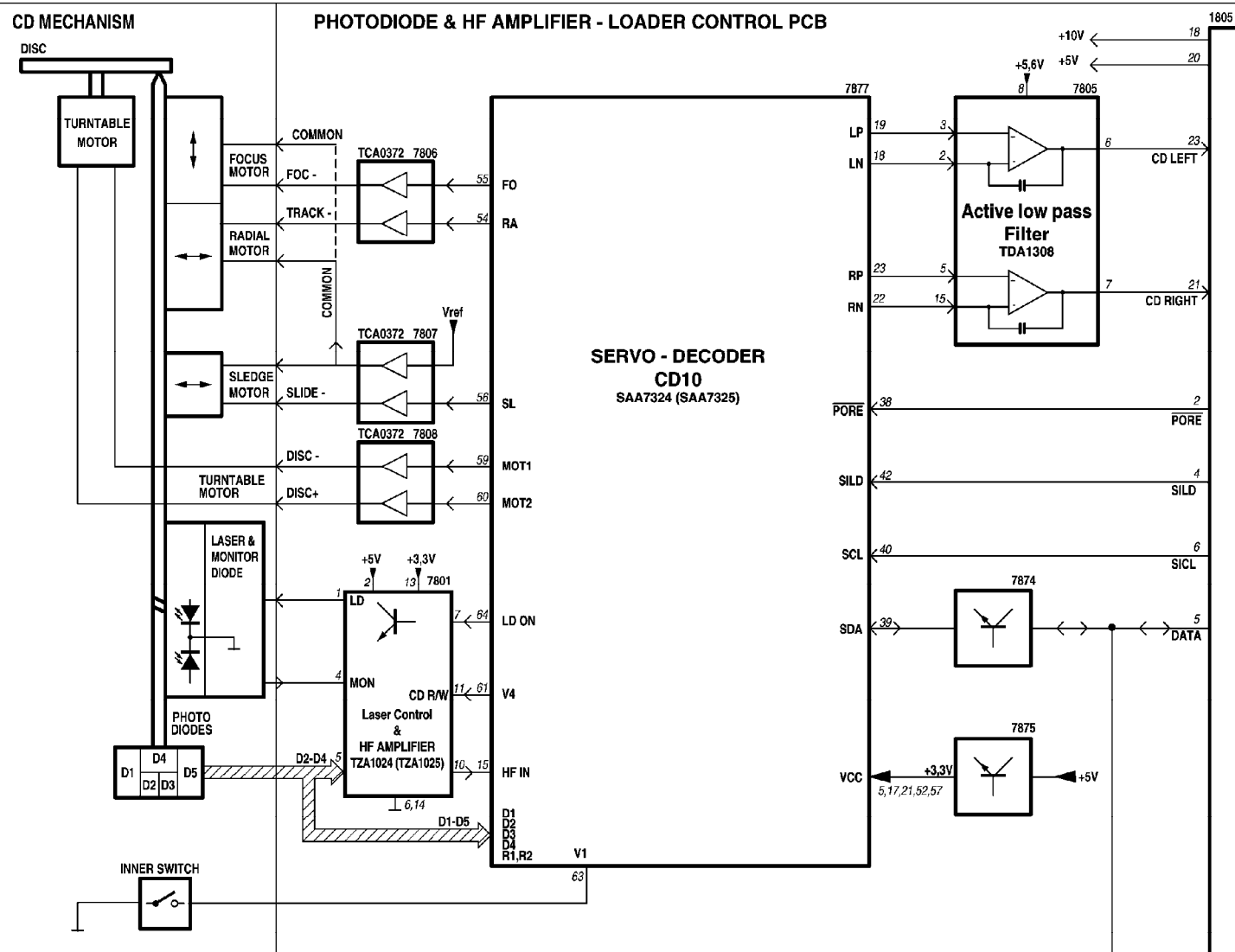
CASSETTE BLOCK DIAGRAM



3CDC-LC  
BLOCK  
DIAGRAM

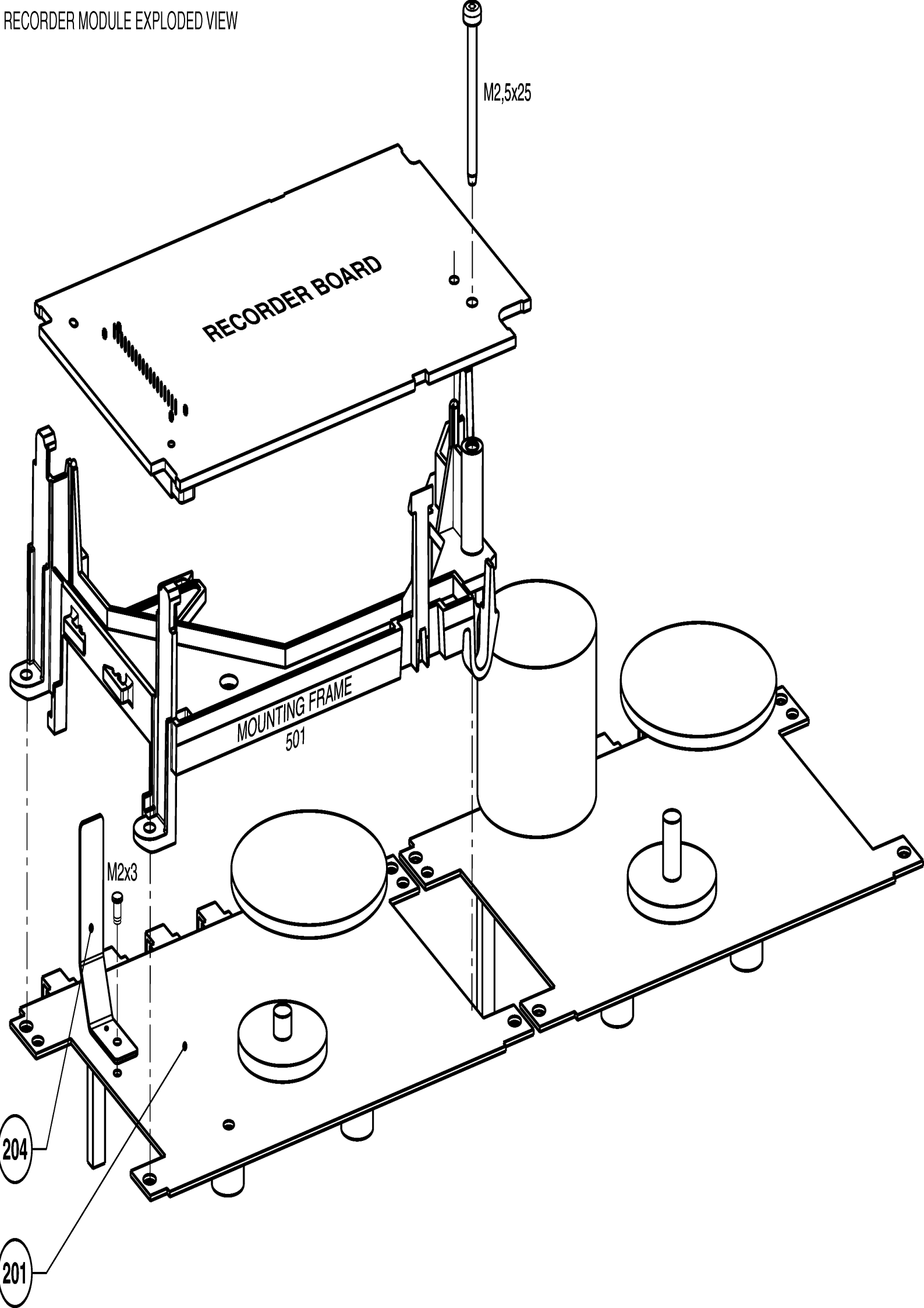


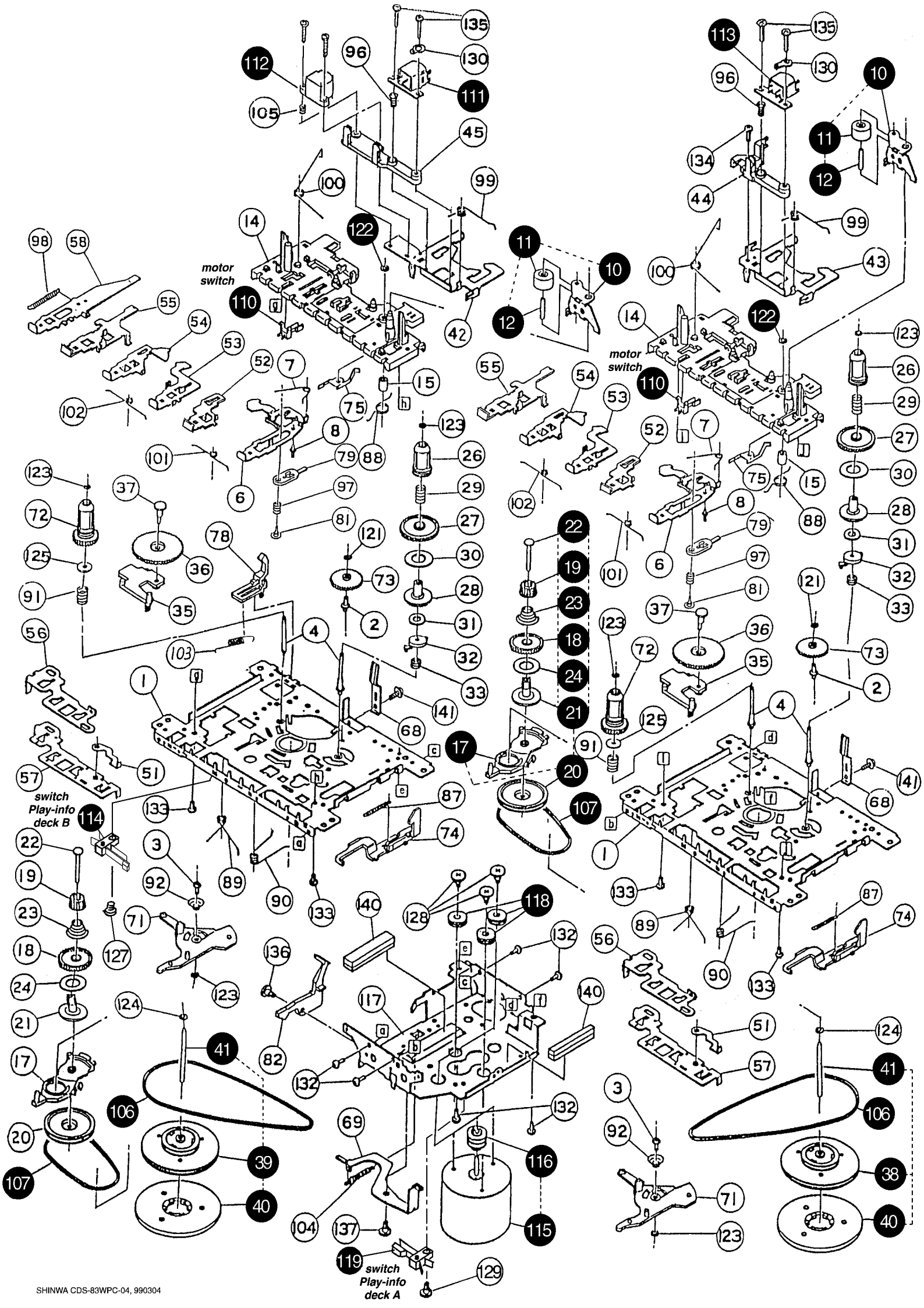
FLEX-FOIL  
8001



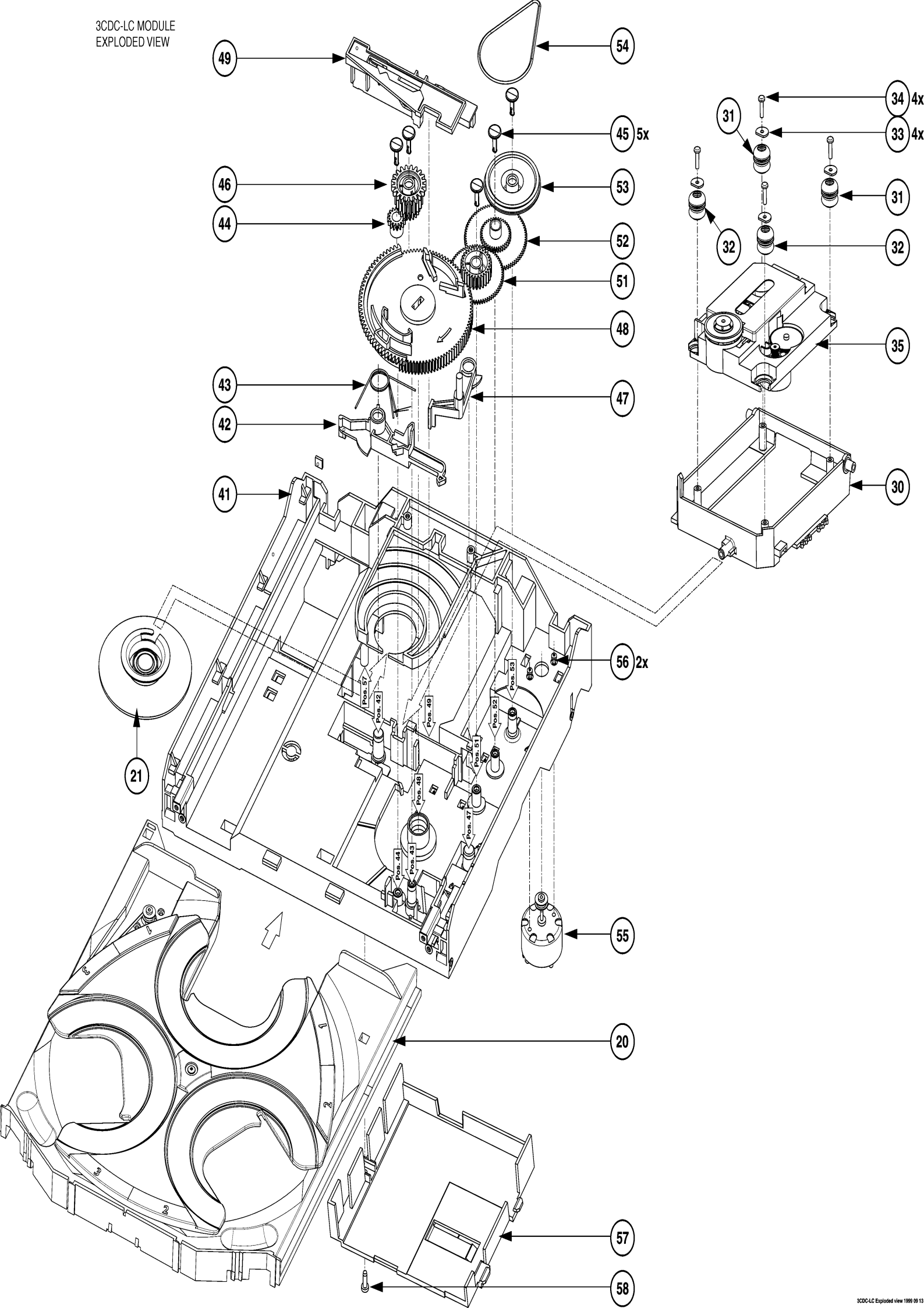


RECORDER MODULE EXPLODED VIEW

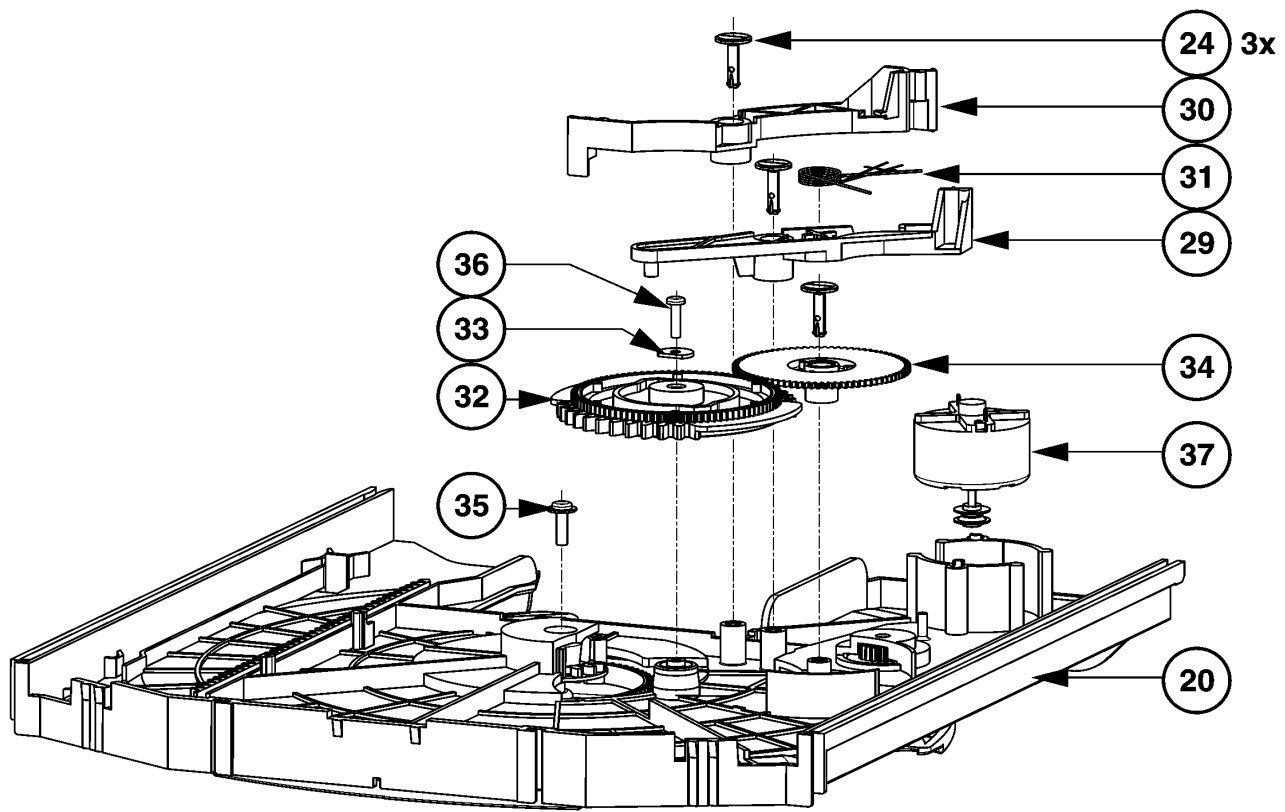




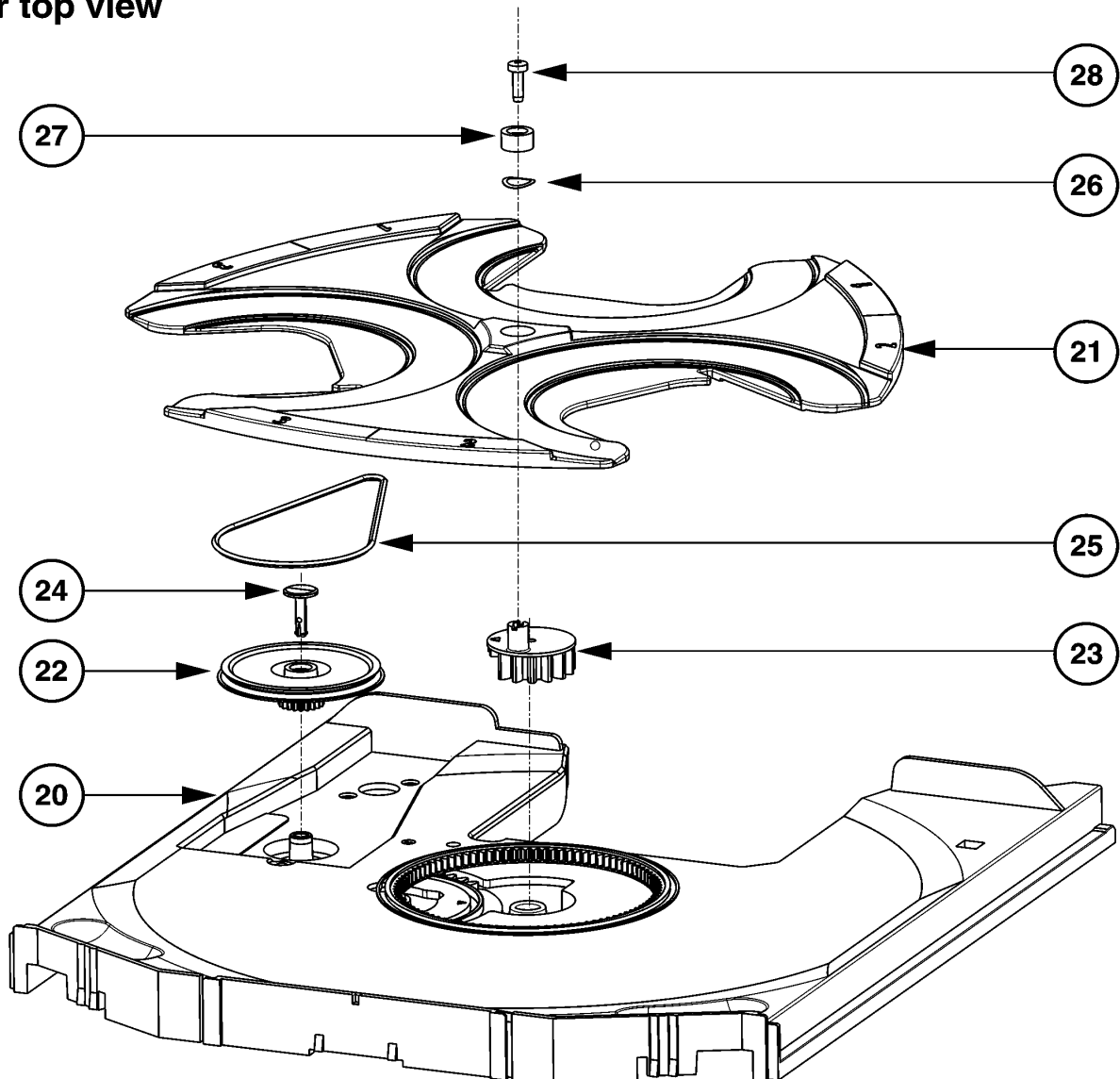
3CDC-LC MODULE  
EXPLODED VIEW



# Drawer bottom view



# Drawer top view



Service and Quality  
Service Publications Dept.  
One Philips Drive  
P.O. Box 14810  
Knoxville, TN 37914

**Parts List**

**REFER TO SAFETY GUIDELINES**

**SAFETY NOTICE: ANY PERSON ATTEMPTING TO SERVICE THIS CHASSIS MUST FAMILIARIZE HIMSELF WITH THE CHASSIS AND BE AWARE OF THE NECESSARY SAFETY PRECAUTIONS TO BE USED WHEN SERVICING ELECTRONIC EQUIPMENT CONTAINING HIGH VOLTAGES.**

**CAUTION: USE A SEPARATE ISOLATION TRANSFORMER FOR THIS UNIT WHEN SERVICING**

FRONT BOARD ELECTRICAL PARTS LIST

FRONT BOARD ELECTRICAL PARTS LIST		FRONT BOARD ELECTRICAL PARTS LIST		FRONT BOARD ELECTRICAL PARTS LIST					
1400	FTD Display BJ722GNK	3139	110	52070	3462	330R 1% 0,1W	4822	117	13577
1401	Flex Socket 16pin Hort.	2422	025	14546	3463	10k 1% 0,1W	4822	117	10833
1404	Flex Socket 9pin Hort.	4822	265	11531	3464	10k 1% 0,1W	4822	117	10833
1406	Tact Switch.	4822	276	13775	3466	10k 1% 0,1W	4822	117	10833
1407	Tact Switch.	4822	276	13775	3467	330R 1% 0,1W	4822	117	13577
1408	Tact Switch.	4822	276	13775	3469	1k 2% 0,25W	4822	051	10102
1409	Tact Switch.	4822	276	13775	3471	4R7 1% 0,6W	4822	050	24708
1410	Tact Switch.	4822	276	13775	3472	1k 2% 0,25W	4822	051	10102
1411	Tact Switch.	4822	276	13775	3474	330R 1% 0,1W	4822	117	13577
1412	Tact Switch.	4822	276	13775	3476	1k 2% 0,25W	4822	051	10102
1413	Tact Switch.	4822	276	13775	3477	1k 2% 0,25W	4822	051	10102
1414	Tact Switch.	4822	276	13775	3478	100R 5% 0,1W	4822	051	20101
1415	Tact Switch.	4822	276	13775	3480	330R 1% 0,1W	4822	117	13577
1416	Tact Switch.	4822	276	13775	3481	1k 2% 0,25W	4822	051	10102
1422	Tact Switch.	4822	276	13775	3483	4R7 1% 0,6W	4822	050	24708
1424	Tact Switch.	4822	276	13775	3484	1k 2% 0,25W	4822	051	10102
1428	Tact Switch.	4822	276	13775	3486	1k 2% 0,25W	4822	051	10102
1429	Tact Switch.	4822	276	13775	3488	330R 1% 0,1W	4822	117	13577
1430	Tact Switch.	4822	276	13775	3489	1k 2% 0,25W	4822	051	10102
1432	Tact Switch.	4822	276	13775	3490	1k 2% 0,25W	4822	051	10102
2406	33pF 5% 50V	5322	122	32659	3493	330R 1% 0,1W	4822	117	13577
2407	33pF 5% 50V	5322	122	32659	3494	330R 1% 0,1W	4822	117	13577
2414	100nF +80/-20% 50V	4822	126	13838	3495	10k 1% 0,1W	4822	117	10833
2415	100nF 10% 50V	4822	126	14585	3496	1k 2% 0,25W	4822	051	10102
2416	100uF 20% 10V	4822	124	23432	3497	1k 1% 0,4W	4822	050	11002
2418	1uF +80/-20% 16V	4822	126	14043	3498	1k 2% 0,25W	4822	051	10102
2419	100uF 20% 10V	4822	124	41584	3499	10k 1% 0,1W	4822	117	10833
2420	4,7uF 20% 50V	4822	124	12032	3500	1k 2% 0,25W	4822	051	10102
2421	2,2uF 20% 50V	4822	124	22652	3501	560R 5% 0,5W	4822	116	52226
2422	100nF 10% 50V	4822	126	14585	3502	1k8 5% 0,1W	4822	051	20182
2423	15pF 2% 63V	4822	126	13486	3503	1k 1% 0,4W	4822	050	11002
2424	15pF 2% 63V	4822	126	13486	3504	1k 2% 0,25W	4822	051	10102
2425	100nF +80/-20% 50V	4822	126	13838	3505	330R 1% 0,1W	4822	117	13577
2426	47nF 10% 63V	4822	126	13751	3506	1k 2% 0,25W	4822	051	10102
2427	2,2nF 10% 63V	4822	122	33127	3507	1k 1% 0,4W	4822	050	11002
2428	10nF 20% 50V	4822	122	33177	3508	1k 2% 0,25W	4822	051	10102
2431	100nF 10% 50V	4822	126	14585	3509	1k 2% 0,25W	4822	051	10102
2434	47pF 1% 63V	4822	126	13692	3510	1k 1% 0,4W	4822	050	11002
2435	47pF 1% 63V	4822	126	13692	3511	1k8 5% 0,1W	4822	051	20182
2436	47pF 1% 63V	4822	126	13692	3512	10k 1% 0,6W	4822	050	21003
2437	47pF 1% 63V	4822	126	13692	3513	10k 1% 0,6W	4822	050	21003
2443	10nF 20% 50V	4822	122	33177	3515	100k 1% 0,1W	4822	117	10833
2475	100nF 10% 50V	4822	126	14585	3516	330R 1% 0,1W	4822	117	13577
2476	4,7uF 20% 50V	4822	124	12032	3517	6k8 1% 0,1W	4822	117	11507
2477	1uF +80/-20% 16V	4822	126	14043	3519	330R 1% 0,1W	4822	117	13577
2479	100nF 10% 50V	4822	126	14585	3520	10k 1% 0,6W	4822	050	21003
2481	470pF 10% 50V	5322	122	32268	3521	1k 2% 0,25W	4822	051	10102
2482	100nF +80/-20% 50V	4822	126	12882	3522	2k7 1% 0,1W	4822	117	12955
2483	470pF 10% 50V	5322	122	32268	3525	1k 1% 0,4W	4822	050	11002
2484	470pF 10% 50V	5322	122	32268	3527	1k 1% 0,4W	4822	050	11002
2485	470pF 10% 50V	5322	122	32268	3533	10k 1% 0,1W	4822	117	10833
2486	470pF 10% 50V	5322	122	32268	3534	10k 1% 0,1W	4822	117	10833
2488	100nF 10% 50V	4822	126	14585	3535	10k 1% 0,1W	4822	117	10833
2489	3,3nF 10% 63V	4822	122	33891	3536	470k 5% 0,1W	4822	051	20474
2493	100nF 10% 50V	4822	126	14585	3537	470k 5% 0,1W	4822	051	20474
3406	47R 5% 0,1W	4822	051	20479	3539	10k 1% 0,1W	4822	117	10833
3410	3k9 5% 0,1W	4822	051	20392	3543	1k 2% 0,25W	4822	051	10102
3412	3k9 5% 0,1W	4822	051	20392	3545	1k 2% 0,25W	4822	051	10102
3420	1k 2% 0,25W	4822	051	10102	3546	10k 1% 0,1W	4822	117	10833
3421	1k 2% 0,25W	4822	051	10102	3547	1k 2% 0,25W	4822	051	10102
3422	1k 2% 0,25W	4822	051	10102	3548	1k 2% 0,25W	4822	051	10102
3423	1k 2% 0,25W	4822	051	10102	3549	10k 1% 0,1W	4822	117	10833
3424	1k 2% 0,25W	4822	051	10102	3552	330R 1% 0,1W	4822	117	13577
3425	1k 2% 0,25W	4822	051	10102	3553	10k 1% 0,1W	4822	117	10833
3426	1k 2% 0,25W	4822	051	10102	3554	10k 1% 0,1W	4822	117	10833
3427	1k 2% 0,25W	4822	051	10102	3555	10k 1% 0,1W	4822	117	10833
3428	1k 2% 0,25W	4822	051	10102	3556	1k 2% 0,25W	4822	051	10102
3429	1k 2% 0,25W	4822	051	10102	3558	10k 1% 0,1W	4822	117	10833
3430	1k 2% 0,25W	4822	051	10102	3559	1M 5% 0,1W	4822	051	20105
3431	1k 2% 0,25W	4822	051	10102	3561	4k7 5% 0,1W	4822	051	20472
3434	1k 2% 0,25W	4822	051	10102	3562	10k 1% 0,1W	4822	117	10833
3435	1k 2% 0,25W	4822	051	10102	3563	10k 1% 0,1W	4822	117	10833
3436	1k 2% 0,25W	4822	051	10102	3564	10k 1% 0,1W	4822	117	10833
3437	1k 2% 0,25W	4822	051	10102	3565	4k7 5% 0,1W	4822	051	20472
3438	1k 2% 0,25W	4822	051	10102	3566	10k 1% 0,1W	4822	117	10833
3439	1k 2% 0,25W	4822	051	10102	3567	10k 1% 0,1W	4822	117	10833
3440	1k 2% 0,25W	4822	051	10102	3568	47k 1% 0,1W	4822	117	10834
3441	1k 2% 0,25W	4822	051	10102	3569	22k 5% 0,1W	4822	051	20223
3442	1k 2% 0,25W	4822	051	10102	3570	22k 5% 0,1W	4822	051	20223
3443	1k 2% 0,25W	4822	051	10102	3571	12k 1% 0,1W	4822	117	11383
3444	1k 2% 0,25W	4822	051	10102	3572	10k 1% 0,1W	4822	117	10833
3445	1k 2% 0,25W	4822	051	10102	3573	22k 5% 0,1W	4822	051	20223
3446	1k 2% 0,25W	4822	051	10102	3574	22k 5% 0,1W	4822	051	20223
3447	1k 2% 0,25W	4822	051	10102	3575	10k 1% 0,1W	4822	117	10833
3453	1k 2% 0,25W	4822	051	10102	3576	10k 1% 0,1W	4822	117	10833
3454	330R 1% 0,1W	4822	117	13577	3581	10k 1% 0,1W	4822	117	10833
3455	1k 2% 0,25W	4822	051	10102	3582	10k 1% 0,1W	4822	117	10833
3456	10k 1% 0,1W	4822	117	10833	3583	10k 1% 0,1W	4822	117	10833
3459	10k 1% 0,6W	4822	050	21003	3584	1k 2% 0,25W	4822	051	10102
3461	10k 1% 0,1W	4822	117	10833	3585	1k 2% 0,25W	4822	051	10102
					3587	10k 1% 0,6W	4822	050	21003
					3588	10k 1% 0,1W	4822	117	10833

S = Safety Part Be sure to use exact replacement part.

3600	5k6 5% 0,1W.	4822 051 20562	4487	OR Jumper 0805	4822 051 20008
3601	10k 1% 0,1W.	4822 117 10833	4488	OR Jumper 0805	4822 051 20008
3602	10k 1% 0,1W.	4822 117 10833	4489	OR Jumper 0805	4822 051 20008
3603	6k8 1% 0,1W.	4822 117 11507	4490	OR Jumper 0805	4822 051 20008
3607	1k8 5% 0,1W.	4822 051 20182	4491	OR Jumper 0805	4822 051 20008
3608	1k8 5% 0,1W.	4822 051 20182	4492	OR Jumper 0805	4822 051 20008
3609	1k8 5% 0,1W.	4822 051 20182	4493	OR Jumper 0805	4822 051 20008
3610	1k8 5% 0,1W.	4822 051 20182	4494	OR Jumper 0805	4822 051 20008
3611	470k 5% 0,1W	4822 051 20474	4495	OR Jumper 0805	4822 051 20008
3612	10k 1% 0,1W.	4822 117 10833	4496	OR Jumper 0805	4822 051 20008
3613	47k 1% 0,1W.	4822 117 10834	4497	OR Jumper 0805	4822 051 20008
3617	10k 1% 0,6W.	4822 050 21003	4498	OR Jumper 0805	4822 051 20008
4400	OR Jumper 0805	4822 051 20008	4499	OR Jumper 0805	4822 051 20008
4401	OR Jumper 0805	4822 051 20008	4500	OR Jumper 0805	4822 051 20008
4402	OR Jumper 0805	4822 051 20008	4501	OR Jumper 0805	4822 051 20008
4404	OR Jumper 0805	4822 051 20008	4502	OR Jumper 0805	4822 051 20008
4405	OR Jumper 0805	4822 051 20008	4503	OR Jumper 0805	4822 051 20008
4407	OR Jumper 0805	4822 051 20008	4504	OR Jumper 0805	4822 051 20008
4410	OR Jumper 0805	4822 051 20008	4505	OR Jumper 0805	4822 051 20008
4413	OR Jumper 0805	4822 051 20008	4506	OR Jumper 0805	4822 051 20008
4414	OR Jumper 0805	4822 051 20008	4507	OR Jumper 0805	4822 051 20008
4416	OR Jumper 0805	4822 051 20008	4508	OR Jumper 0805	4822 051 20008
4417	OR Jumper 0805	4822 051 20008	4509	OR Jumper 0805	4822 051 20008
4418	OR Jumper 0805	4822 051 20008	4510	OR Jumper 0805	4822 051 20008
4419	OR Jumper 0805	4822 051 20008	4511	OR Jumper 0805	4822 051 20008
4420	OR Jumper 0805	4822 051 20008	4512	OR Jumper 0805	4822 051 20008
4421	OR Jumper 0805	4822 051 20008	4513	OR Jumper 0805	4822 051 20008
4422	OR Jumper 0805	4822 051 20008	4514	OR Jumper 0805	4822 051 20008
4423	OR Jumper 0805	4822 051 20008	4515	OR Jumper 0805	4822 051 20008
4424	OR Jumper 0805	4822 051 20008	4516	OR Jumper 0805	4822 051 20008
4425	OR Jumper 0805	4822 051 20008	4517	OR Jumper 0805	4822 051 20008
4426	OR Jumper 0805	4822 051 20008	4518	OR Jumper 0805	4822 051 20008
4427	OR Jumper 0805	4822 051 20008	4519	OR Jumper 0805	4822 051 20008
4428	OR Jumper 0805	4822 051 20008	4520	OR Jumper 0805	4822 051 20008
4429	OR Jumper 0805	4822 051 20008	4521	OR Jumper 0805	4822 051 20008
4430	OR Jumper 0805	4822 051 20008	4522	OR Jumper 0805	4822 051 20008
4431	OR Jumper 0805	4822 051 20008	4523	OR Jumper 0805	4822 051 20008
4432	OR Jumper 0805	4822 051 20008	4524	OR Jumper 0805	4822 051 20008
4433	OR Jumper 0805	4822 051 20008	4525	OR Jumper 0805	4822 051 20008
4434	OR Jumper 0805	4822 051 20008	4526	OR Jumper 0805	4822 051 20008
4435	OR Jumper 0805	4822 051 20008	4527	OR Jumper 0805	4822 051 20008
4436	OR Jumper 0805	4822 051 20008	4528	OR Jumper 0805	4822 051 20008
4437	OR Jumper 0805	4822 051 20008	4529	OR Jumper 0805	4822 051 20008
4438	OR Jumper 0805	4822 051 20008	4530	OR Jumper 0805	4822 051 20008
4439	OR Jumper 0805	4822 051 20008	4531	OR Jumper 0805	4822 051 20008
4440	OR Jumper 0805	4822 051 20008	4532	OR Jumper 0805	4822 051 20008
4441	OR Jumper 0805	4822 051 20008	4533	OR Jumper 0805	4822 051 20008
4442	OR Jumper 0805	4822 051 20008	4534	OR Jumper 0805	4822 051 20008
4443	OR Jumper 0805	4822 051 20008	4535	OR Jumper 0805	4822 051 20008
4444	OR Jumper 0805	4822 051 20008	4536	OR Jumper 0805	4822 051 20008
4445	OR Jumper 0805	4822 051 20008	4537	OR Jumper 0805	4822 051 20008
4446	OR Jumper 0805	4822 051 20008	4538	OR Jumper 0805	4822 051 20008
4447	OR Jumper 0805	4822 051 20008	4539	OR Jumper 0805	4822 051 20008
4448	OR Jumper 0805	4822 051 20008	4540	OR Jumper 0805	4822 051 20008
4449	OR Jumper 0805	4822 051 20008	4541	OR Jumper 0805	4822 051 20008
4450	OR Jumper 0805	4822 051 20008	4542	OR Jumper 0805	4822 051 20008
4451	OR Jumper 0805	4822 051 20008	4543	OR Jumper 0805	4822 051 20008
4452	OR Jumper 0805	4822 051 20008	4544	OR Jumper 0805	4822 051 20008
4453	OR Jumper 0805	4822 051 20008	4545	OR Jumper 0805	4822 051 20008
4454	OR Jumper 0805	4822 051 20008	4546	OR Jumper 0805	4822 051 20008
4455	OR Jumper 0805	4822 051 20008	4547	OR Jumper 0805	4822 051 20008
4456	OR Jumper 0805	4822 051 20008	4588	OR Jumper 0805	4822 051 20008
4457	OR Jumper 0805	4822 051 20008	4589	OR Jumper 0805	4822 051 20008
4458	OR Jumper 0805	4822 051 20008	5400	Ceramic Resonator 8MHz	4822 242 72066
4459	OR Jumper 0805	4822 051 20008	5401	Crystal 32,768kHz.	2422 543 01069
4460	OR Jumper 0805	4822 051 20008	5402	Coil 2,2?H 5%.	4822 157 62552
4461	OR Jumper 0805	4822 051 20008	5404	Coil 2,2?H 5%.	4822 157 62552
4462	OR Jumper 0805	4822 051 20008	5405	Coil 2,2?H 5%.	4822 157 62552
4463	OR Jumper 0805	4822 051 20008	6412	1N4148	4822 130 30621
4464	OR Jumper 0805	4822 051 20008	6413	1N4148	4822 130 30621
4465	OR Jumper 0805	4822 051 20008	6414	1N4148	4822 130 30621
4466	OR Jumper 0805	4822 051 20008	6415	1N4148	4822 130 30621
4467	OR Jumper 0805	4822 051 20008	6416	1N4148	4822 130 30621
4468	OR Jumper 0805	4822 051 20008	6417	1N4148	4822 130 30621
4469	OR Jumper 0805	4822 051 20008	6418	1N4148	4822 130 30621
4470	OR Jumper 0805	4822 051 20008	6419	1N4148	4822 130 30621
4471	OR Jumper 0805	4822 051 20008	6421	1N4148	4822 130 30621
4472	OR Jumper 0805	4822 051 20008	6422	1N4148	4822 130 30621
4473	OR Jumper 0805	4822 051 20008	6425	1N4003G.	4822 130 31878
4474	OR Jumper 0805	4822 051 20008	6426	1N4003G.	4822 130 31878
4475	OR Jumper 0805	4822 051 20008	7401	TMP87CP71F "C100S52501".	3139 110 52500
4476	OR Jumper 0805	4822 051 20008	7402	M24C01-WMN6.	9965 000 04931
4477	OR Jumper 0805	4822 051 20008	7404	HEF4094BT.	5322 209 11306
4478	OR Jumper 0805	4822 051 20008	7408	BC847B	5322 130 60159
4479	OR Jumper 0805	4822 051 20008	7409	GPU28XP	4822 130 10165
4480	OR Jumper 0805	4822 051 20008	7410	BC847B	5322 130 60159
4481	OR Jumper 0805	4822 051 20008	7411	BC847B	5322 130 60159
4482	OR Jumper 0805	4822 051 20008	7412	BC847B	5322 130 60159
4483	OR Jumper 0805	4822 051 20008	7413	BC847B	5322 130 60159
4484	OR Jumper 0805	4822 051 20008			
4485	OR Jumper 0805	4822 051 20008			
4486	OR Jumper 0805	4822 051 20008			

EC05 TUNER BOARD ELECTRICAL PARTS LIST  
EC05 TUNER BOARD ELECTRICAL PARTS LIS

S = Safety Part Be sure to use exact replacement part.

1101	Antenna Socket 300R. . . . .	4822	267	31505	3160	470R 5% 0,5W . . . . .	4822	116	83883
1102	Antenna Socket Coax IEC 75R. . . . .	4822	267	10283	3161	470R 5% 0,5W . . . . .	4822	116	83883
2101	100pF 5% 50V . . . . .	5322	122	32531	3167	220R 1% 0,1W . . . . .	4822	117	11503
2101	47pF 1% 63V for USA. . . . .	4822	126	13692	3169	150k 5% 0,1W . . . . .	4822	051	20154
2102	10nF 20% 50V . . . . .	4822	122	33177	3170	100k 5% 0,5W . . . . .	4822	116	52234
2103	1nF 10% 50V. . . . .	5322	122	34123	3171	330R 5% 0,5W . . . . .	4822	116	52219
2104	100pF 10% 50V. . . . .	4822	122	33195	3176	1k 2% 0,25W for RDS version. . . . .	4822	051	10102
2106	Trimmer 4-20pF for LW version. . . . .	4822	125	50355	3180	22k 5% 0,1W for LW version . . . . .	4822	051	20223
2106	Trimmer 3-11pF 100V. . . . .	4822	125	60101	4101	0R Jumper 0805 for 2-Band only . . . . .	4822	051	20008
2107	1uF 10% 63V. . . . .	4822	121	51319	4102	0R Jumper 0805 for 2-Band only . . . . .	4822	051	20008
2108	100pF 5% 50V for LW version. . . . .	5322	122	32531	4103	0R Jumper 0805 . . . . .	4822	051	20008
2109	10pF 5% 50V for LW version . . . . .	5322	122	32448	4104	0R Jumper 0805 . . . . .	4822	051	20008
2120	27pF 1% 63V for LW version . . . . .	4822	126	13691	4105	0R Jumper 0805 . . . . .	4822	051	20008
2120	22pF 5% 50V. . . . .	5322	122	32658	4106	0R Jumper 0805 . . . . .	4822	051	20008
2122	3,3nF 10% 63V for LW version . . . . .	4822	122	33891	4108	0R Jumper 0805 . . . . .	4822	051	20008
2125	560pF 5% 400V. . . . .	4822	121	51381	4111	0R Jumper 0805 . . . . .	4822	051	20008
2126	330pF 5% 50V . . . . .	5322	122	31863	4120	0R Jumper 0805 . . . . .	4822	051	20008
2127	220nF +80/-20% 50V . . . . .	4822	126	13473	4150	0R Jumper 1206 . . . . .	4822	051	10008
2128	10uF 20% 50V . . . . .	4822	124	41579	4151	0R Jumper 0805 . . . . .	4822	051	20008
2129	100uF 20% 10V. . . . .	4822	124	41584	4152	0R Jumper 1206 . . . . .	4822	051	10008
2130	22nF+80/- 20% 25V. . . . .	4822	126	11585	4153	0R Jumper 1206 . . . . .	4822	051	10008
2131	470nF 16V. . . . .	4822	122	33325	4154	0R Jumper 1206 . . . . .	4822	051	10008
2132	470nF 16V. . . . .	4822	122	33325	4155	0R Jumper 1206 . . . . .	4822	051	10008
2131	470nF +80/- 20% 16V. . . . .	4822	126	13482	4156	0R Jumper 0805 . . . . .	4822	051	20008
2132	470nF +80/- 20% 16V. . . . .	4822	126	13482	4157	0R Jumper 1206 . . . . .	4822	051	10008
2133	1uF 20% 63V. . . . .	4822	124	40242	4158	0R Jumper 1206 . . . . .	4822	051	10008
2134	15nF 5% 63V. . . . .	4822	126	13188	4159	0R Jumper 1206 . . . . .	4822	051	10008
2134	22nF 10% 63V for USA . . . . .	5322	122	32654	4162	0R Jumper 1206 . . . . .	4822	051	10008
2135	0,22uF 20% 63V . . . . .	4822	124	40746	5102	MW RF Coil . . . . .	4822	157	71634
2136	15nF 5% 63V. . . . .	4822	126	13188	5103	LW RF Coil for LW version. . . . .	4822	157	71635
2136	22nF 10% 63V for USA . . . . .	5322	122	32654	5109	Ceramic Filter 10,7MHz . . . . .	4822	242	70665
2137	0,22uF 20% 63V . . . . .	4822	124	40746	5110	Ceramic Filter 10,7MHz . . . . .	4822	242	70665
2138	2,2uF 20% 50V. . . . .	4822	124	41576	5111	AM-IF Filter 450kHz. . . . .	4822	158	60511
2139	50V 15pF 5%. . . . .	4822	126	14236	5112	AM-IF Filter 450kHz. . . . .	4822	157	70302
2140	470nF 5% 63V . . . . .	4822	121	51252	5114	AM-IF Filter 450kHz. . . . .	4822	157	70302
2141	100nF 20% 25V. . . . .	4822	126	10002	5119	Discriminator 10,7MHz. . . . .	4822	157	11443
2142	100nF 20% 25V. . . . .	4822	126	10002	5120	Cer. Disc. 10,7MG40K . . . . .	4822	242	82065
2143	220nF +80/-20% 50V . . . . .	4822	126	13473	5120	Cer. Disc.10,7MG61KA-TF21. . . . .	4822	242	10251
2144	1uF 20% 63V. . . . .	4822	124	40242	5121	Quartz 75kHz . . . . .	4822	242	10261
2145	220pF 5% 50V . . . . .	4822	122	33575	5122	Osc. Coil LW for LW version. . . . .	4822	157	60517
2146	220pF 5% 50V . . . . .	4822	122	33575	5123	Osc. Coil MW . . . . .	4822	157	60517
2147	220pF 5% 50V . . . . .	4822	122	33575	5130	RF-Coil 1.5T . . . . .	4822	156	30947
2148	22nF+80/- 20% 25V. . . . .	4822	126	11585	5131	RF-Coil 1.5T . . . . .	4822	156	30947
2149	22nF 10% 63V . . . . .	5322	122	32654	6103	1N4148 . . . . .	4822	130	30621
2150	100nF 20% 63V. . . . .	4822	122	31947	6104	1N4148 . . . . .	4822	130	30621
2152	560pF 5% 63V for East. Europe. . . . .	5322	116	80853	6105	HNV02H-B. . . . .	4822	130	83075
2152	33nF 5% 63V. . . . .	4822	126	12105	6106	1N4148 . . . . .	4822	130	30621
2153	12pF 2% 63V for East. Europe . . . . .	4822	122	32139	6107	BZZ79-B11. . . . .	4822	130	34488
2153	15pF 2% 63V. . . . .	4822	122	32504	6120	1N4148 not for /21/30/33 . . . . .	4822	130	30621
2155	Trimmer 3-11pF 100V. . . . .	4822	125	60101	6130	1S2228 . . . . .	4822	130	82833
2158	10pF 5% 50V for LW version . . . . .	5322	122	32448	6131	1S2228 . . . . .	4822	130	82833
2159	33pF 5% 50V. . . . .	5322	122	32659	7101	TEA5757H/V1. . . . .	4822	209	90924
2160	22nF 10% 63V . . . . .	5322	122	32654	7102	2SA838B. . . . .	4822	130	60093
2161	100nF 20% 25V. . . . .	4822	126	10002	7103	BC858C for RDS version . . . . .	4822	130	42513
2163	100nF 20% 25V. . . . .	4822	126	10002	7104	BC338-40 for LW version. . . . .	5322	130	44779
2164	470nF +80/- 20% 16V. . . . .	4822	126	13482	7105	BC338-40 for LW version. . . . .	5322	130	44779
2165	100nF 20% 25V. . . . .	4822	126	10002	7109	BC858B for LW version. . . . .	5322	130	41983
2166	1nF 10% 50V. . . . .	5322	122	34123	7111	BC848C . . . . .	5322	130	42136
2167	12pF 2% 63V. . . . .	4822	122	32139	7122	BC848C for LW version. . . . .	5322	130	42136
2168	82pF 1% 63V. . . . .	4822	126	13695	7124	BC848C for LW version. . . . .	5322	130	42136
3101	5k6 5% 0,1W for East. Europe . . . . .	4822	051	20562					
3101	33k 5% 0,1W. . . . .	4822	051	20333					
3102	100k 5% 0,1W . . . . .	4822	051	20104					
3103	18k 1% 0,1W. . . . .	4822	117	10965	1707	CASSETTE ELECTRICAL PARTS LIST			
3104	180R 1% 0,1W . . . . .	4822	117	11448	1710	SWITCH SLIDE, REC./PB. . . . .	4822	277	11504
3105	220R 5% 0,5W . . . . .	4822	116	83872		FFC-SOCKET 6P, SIDE ENTRY (not on all			
3108	2k2 1% 0,1W for LW version . . . . .	4822	117	11449	2703	versions). . . . .	4822	265	11207
3109	4k7 5% 0,1W for LW version . . . . .	4822	051	20472	2704	47uF 20% 25V . . . . .	4822	124	40433
3110	47R 5% 0,5W. . . . .	4822	116	52195	2705	22uF 20% 50V . . . . .	4822	124	81151
3120	0R Jumper 0805 . . . . .	4822	051	20008	2706	4,7uF 20% 100V . . . . .	4822	124	40769
3123	4k7 5% 0,1W for LW version . . . . .	4822	051	20472	2707	100uF 20% 10V. . . . .	4822	124	41584
3125	10k 1% 0,1W for LW version . . . . .	4822	117	10833	2708	1uF 20% 63V HSD only . . . . .	4822	124	40242
3128	2k2 1% 0,1W for LW version . . . . .	4822	117	11449	2709	100uF 20% 10V. . . . .	4822	124	41584
3132	47R 5% 0,5W. . . . .	4822	116	52195	2710	220uF 20% 16V. . . . .	4822	124	40196
3134	22k 5% 0,1W. . . . .	4822	051	20223	2711	47uF 20% 25V . . . . .	4822	124	40433
3137	22k 5% 0,1W for LW version . . . . .	4822	051	20223	2712	100uF 20% 10V. . . . .	4822	124	23432
3140	0R Jumper 0805 5120=CDA10.7MG40K . . . . .	4822	051	20008	2713	100uF 20% 10V. . . . .	4822	124	41584
3140	150R 1% 0,1W 5120=CDA10.7MG61KA. . . . .	4822	117	10353	2714	220uF 20% 16V. . . . .	4822	124	40196
3141	56k 5% 0,1W. . . . .	4822	051	20563	2715	47uF 20% 25V . . . . .	4822	124	40433
3142	Trimmer 100k 30% 0,1W. . . . .	4822	100	11163	2716	22uF 20% 50V . . . . .	4822	124	81151
3143	22k 5% 0,1W for RDS version. . . . .	4822	051	20223	2718	22uF 20% 50V . . . . .	4822	124	81151
3144	1k 2% 0,25W for RDS version. . . . .	4822	051	10102	2719	47uF 20% 25V . . . . .	4822	124	40433
3145	2k2 1% 0,1W. . . . .	4822	117	11449	2720	47uF 20% 25V . . . . .	4822	124	40433
3146	22R 5% 0,1W. . . . .	4822	051	20229	2721	100nF 20% 50V. . . . .	4822	126	12882
3152	470R 5% 0,5W . . . . .	4822	116	83883	2721	10nF 5% 250V . . . . .	4822	121	41857
3153	470R 5% 0,1W . . . . .	4822	051	20471	2722	4,7nF 20% 16V. . . . .	4822	126	11714
3154	150R 5% 0,5W . . . . .	4822	116	83868	2723	4,7nF 10% 50V. . . . .	4822	121	10686
3155	470R 5% 0,1W . . . . .	4822	051	20471	2724	18nF 5% 63V. . . . .	4822	121	43179
3156	100k 5% 0,1W for /21/30/33 only. . . . .	4822	051	20104	2725	1,5nF 10% 16V. . . . .	4822	126	12878
3157	100k 5% 0,5W for East. Europe. . . . .	4822	116	52234	2726	1,5nF 10% 16V. . . . .	4822	126	12878
3158	470R 5% 0,5W . . . . .	4822	116	83883	2727	1,5nF 10% 16V. . . . .	4822	126	12878
3159	470R 5% 0,5W . . . . .	4822	116	83883	2728	6,8nF 10% 50V. . . . .	4822	121	10746
					2730	1,8nF 10% 50V. . . . .	4822	121	10685

CASSETTE ELECTRICAL PARTS LIST

						CASSETTE ELECTRICAL PARTS LIST			
						SWITCH SLIDE, REC./PB. . . . .	4822	277	11504
						FFC-SOCKET 6P, SIDE ENTRY (not on all			
						versions). . . . .	4822	265	11207
						47uF 20% 25V . . . . .	4822	124	40433
						22uF 20% 50V . . . . .	4822	124	81151
						4,7uF 20% 100V . . . . .	4822	124	40769
						100uF 20% 10V. . . . .	4822	124	41584
						1uF 20% 63V HSD only . . . . .	4822	124	40242
						100uF 20% 10V. . . . .	4822	124	41584
						220uF 20% 16V. . . . .	4822	124	40196
						47uF 20% 25V . . . . .	4822	124	40433
						100uF 20% 10V. . . . .	4822	124	23432
						100uF 20% 10V. . . . .	4822	124	41584
						220uF 20% 16V. . . . .	4822	124	40196
						47uF 20% 25V . . . . .	482		



20	DRAWER . . . . .	3103 304 66500	2882	220pF 5% 63V . . . . .	4822 122 33575
21	CAROUSEL . . . . .	3103 304 66490	2884	4,7uF 20% 100V . . . . .	4822 124 40769
22	PULLEY-DRAWER . . . . .	3103 304 06860	2885	4,7uF 20% 100V . . . . .	4822 124 40769
23	ECCENTRIC . . . . .	3103 304 06850	2887	100nF 10% 50V . . . . .	4822 126 14585
24	NAIL . . . . .	3103 304 06980	2888	4,7uF 20% 100V . . . . .	4822 124 40769
25	DRIVING-BELT . . . . .	3103 304 66850	2891	1,5nF 10% 63V . . . . .	5322 122 31865
27	BUSH DRAWER . . . . .	3103 304 07100	2892	4,7nF 10% 63V . . . . .	5322 126 10223
29	BRACKET-DISC . . . . .	3103 304 66550	2893	220pF 5% 63V . . . . .	4822 122 33575
30	TUMBLER . . . . .	3103 304 66520	700	470R 5% 0,1W . . . . .	4822 051 20471
31	SPRING-DISC . . . . .	3103 301 06470	3705	220R 1% 0,1W . . . . .	4822 117 11503
32	CONTROL-DISC . . . . .	3103 304 06920	3706	470R 5% 0,1W . . . . .	4822 051 20471
33	WASHER . . . . .	3103 304 06970	3707	470R 5% 0,1W . . . . .	4822 051 20471
34	GEAR-1 . . . . .	3103 304 06870	3708	470R 5% 0,1W . . . . .	4822 051 20471
37	MOTOR ASSEMBLY . . . . .	4822 361 10753	3709	1R 5% 0,1W . . . . .	4822 051 20108
			3711	10k 1% 0,1W . . . . .	4822 117 10833
			3712	10R 5% 0,1W . . . . .	4822 051 20109
			3713	22k 5% 0,1W . . . . .	4822 051 20223
			3714	10k 1% 0,1W . . . . .	4822 117 10833
			3715	100k 1% 0,1W . . . . .	4822 117 10837
			3716	470R 5% 0,1W . . . . .	4822 051 20471
			3718	4k7 5% 0,1W . . . . .	4822 051 20472
			3727	4k7 5% 0,1W . . . . .	4822 051 20472
			3728	4k7 5% 0,1W . . . . .	4822 051 20472
			3730	33k 5% 0,1W . . . . .	4822 051 20333
			3731	10k 1% 0,1W . . . . .	4822 117 10833
			3732	470R 5% 0,1W . . . . .	4822 051 20471
			3733	470R 5% 0,1W . . . . .	4822 051 20471
			3734	470R 5% 0,1W . . . . .	4822 051 20471
			3740	22k 5% 0,1W . . . . .	4822 051 20223
			3741	22k 5% 0,1W . . . . .	4822 051 20223
			3742	22k 5% 0,1W . . . . .	4822 051 20223
			3743	22k 5% 0,1W . . . . .	4822 051 20223
			3744	10k 1% 0,1W . . . . .	4822 117 10833
			3746	10k 1% 0,1W . . . . .	4822 117 10833
			3750	1k 2% 0,25W . . . . .	4822 051 10102
			3751	1k 2% 0,25W . . . . .	4822 051 10102
			3800	56k 1% 0,1W . . . . .	4822 117 11148
			3801	10k 1% 0,1W . . . . .	4822 117 10833
			3802	56k 1% 0,1W . . . . .	4822 117 11148
			3803	10k 1% 0,1W . . . . .	4822 117 10833
			3804	10k 1% 0,1W . . . . .	4822 117 10833
			3805	10k 1% 0,1W . . . . .	4822 117 10833
			3806	10k 1% 0,1W . . . . .	4822 117 10833
			3807	10k 1% 0,1W . . . . .	4822 117 10833
			3808	10k 1% 0,1W . . . . .	4822 117 10833
			3809	330R 1% 1,25W . . . . .	4822 117 13577
			3811	18k 1% 0,1W . . . . .	4822 117 10965
			3812	2R2 5% 1W . . . . .	4822 053 10228
			3814	33R 5% 0,1W . . . . .	4822 051 20339
			S 3815	4R7 5% 0,33W . . . . .	4822 052 10478
			3819	470R 5% 0,1W . . . . .	4822 051 20471
			3820	4k7 5% 0,1W . . . . .	4822 051 20472
			3821	4k7 5% 0,1W . . . . .	4822 051 20472
			3822	2k7 1% 0,1W . . . . .	4822 117 12955
			3823	1k 2% 0,25W . . . . .	4822 051 10102
			3824	1k 2% 0,25W . . . . .	4822 051 10102
			3825	1k 2% 0,25W . . . . .	4822 051 10102
			3826	22k 5% 0,1W . . . . .	4822 051 20223
			3827	33k 5% 0,1W . . . . .	4822 051 20333
			3828	22k 5% 0,1W . . . . .	4822 051 20223
			3831	100R 5% 0,1W . . . . .	4822 051 20101
			3832	10k 1% 0,1W . . . . .	4822 117 10833
			3833	22k 5% 0,1W . . . . .	4822 051 20223
			3834	22k 5% 0,1W . . . . .	4822 051 20223
			S 3835	3R3 5% 0,33W . . . . .	4822 052 10338
			3837	1k 2% 0,25W . . . . .	4822 051 10102
			3838	1k 2% 0,25W . . . . .	4822 051 10102
			3839	100k 1% 0,1W . . . . .	4822 117 10837
			3840	100k 1% 0,1W . . . . .	4822 117 10837
			3841	4k7 5% 0,1W . . . . .	4822 051 20472
			3842	47k 1% 0,1W . . . . .	4822 117 10834
			3843	33k 5% 0,1W . . . . .	4822 051 20333
			3844	4k7 5% 0,1W . . . . .	4822 051 20472
			3845	47k 1% 0,1W . . . . .	4822 117 10834
			3846	33k 5% 0,1W . . . . .	4822 051 20333
			3847	6k8 1% 0,1W . . . . .	4822 117 11507
			3848	100k 1% 0,1W . . . . .	4822 117 10837
			3849	100k 1% 0,1W . . . . .	4822 117 10837
			3850	3k9 5% 0,1W . . . . .	4822 051 20392
			S 3851	3R3 5% 0,33W . . . . .	4822 052 10338
			S 3852	2R2 5% 0,33W . . . . .	4822 052 10228
			3853	470R 5% 0,1W . . . . .	4822 051 20471
			3854	100R 5% 0,1W . . . . .	4822 051 20101
			3855	100R 5% 0,1W . . . . .	4822 051 20101
			3856	68R 1% 0,1W . . . . .	4822 117 12521
			3857	68R 1% 0,1W . . . . .	4822 117 12521
			3858	22k 5% 0,1W . . . . .	4822 051 20223
			3859	22k 5% 0,1W . . . . .	4822 051 20223
			3860	10k 1% 0,1W . . . . .	4822 117 10833
			3861	10k 1% 0,1W . . . . .	4822 117 10833
			3862	120R 5% 0,1W . . . . .	4822 051 20121
			3863	100R 5% 0,1W . . . . .	4822 051 20101

3CDC-LC ELECTRICAL PARTS LIST

	3CDC-LC ELECTRICAL PARTS LIST				
1800	Flex Foil Connector 15P . . . . .	4822 265 10925			
1805	Flex Foil Connector 15P . . . . .	4822 265 10979			
1805	Flex Foil Connector 19P . . . . .	4822 265 11545			
1805	Flex Foil Connector 23P . . . . .	4822 265 11182			
1810	RES. CRYSTAL 8MHz4672 . . . . .	4822 242 10849			
1810	RES. CERAMIC 8MHz467 . . . . .	4822 242 73557			
1875	Flex Foil Connector 5P . . . . .	4822 267 10958			
1876	Flex Foil Connector 5P . . . . .	2422 025 08332			
1880	Switch . . . . .	4822 276 13503			
1881	Switch . . . . .	4822 276 13503			
1882	Switch . . . . .	4822 276 13503			
1883	Switch . . . . .	4822 276 13503			
8002	Flex Foil 5P 200mm . . . . .	3103 308 91990			
8005	Flex Foil 15P 170mm . . . . .	3103 308 91980			
2800	180pF 5% 63V . . . . .	4822 126 10326			
2801	220pF 5% 63V . . . . .	4822 122 33575			
2802	180pF 5% 63V . . . . .	4822 126 10326			
2803	220pF 5% 63V . . . . .	4822 122 33575			
2805	220pF 5% 63V . . . . .	4822 122 33575			
2806	220pF 5% 63V . . . . .	4822 122 33575			
2807	330pF 5% 63V . . . . .	5322 122 31863			
2808	220pF 5% 63V . . . . .	4822 122 33575			
2809	470nF 20% 50V . . . . .	5322 124 41948			
2810	180pF 5% 63V . . . . .	4822 126 10326			
2811	220pF 5% 63V . . . . .	4822 122 33575			
2815	220nF +80/-20% 25V . . . . .	4822 126 14076			
2816	1,5nF 5% 63V . . . . .	4822 126 13344			
2818	1,5nF 5% 63V . . . . .	4822 126 13344			
2822	2,2nF 5% 50V . . . . .	2222 861 15222			
2823	47pF 1% 63V . . . . .	4822 126 13692			
2824	47nF 10% 63V . . . . .	4822 126 13751			
2825	10nF 20% 50V . . . . .	4822 122 33177			
2826	47uF 20% 4V . . . . .	4822 124 12362	S		
2828	47uF 20% 4V . . . . .	4822 124 12362			
2829	22nF 10% 63V . . . . .	5322 122 32654			
2830	47nF 10% 63V . . . . .	4822 126 13751			
2831	100pF 5% 50V . . . . .	5322 122 32531			
2832	100pF 5% 50V . . . . .	5322 122 32531			
2833	33pF 5% 50V . . . . .	5322 122 32659			
2834	33pF 5% 50V . . . . .	5322 122 32659			
2835	47nF 10% 63V . . . . .	4822 126 13751			
2837	47uF 20% 25V . . . . .	4822 124 40433			
2838	10uF 20% 63V . . . . .	4822 124 40248			
2839	47uF 20% 25V . . . . .	4822 124 40433			
2840	100nF 10% 50V . . . . .	4822 126 14585			
2841	270pF 5% 50V . . . . .	4822 122 33216			
2842	2,2nF 10% 63V . . . . .	4822 122 33127			
2844	270pF 5% 50V . . . . .	4822 122 33216	S		
2849	4,7uF 20% 100V . . . . .	4822 124 40769			
2850	1nF 10% 63V . . . . .	5322 122 31647			
2851	220uF 20% 4V . . . . .	4822 124 42383			
2852	47nF 10% 63V . . . . .	4822 126 13751			
2853	22nF 10% 63V . . . . .	5322 122 32654			
2854	47nF 10% 63V . . . . .	4822 126 13751			
2855	470pF 10% 63V . . . . .	5322 122 34099			
2856	27pF 1% 63V . . . . .	4822 126 13691			
2857	10nF 20% 50V . . . . .	4822 122 33177			
2858	220uF 20% . . . . .	4822 124 12245			
2859	10nF 20% 50V . . . . .	4822 122 33177			
2860	10uF 20% 16V . . . . .	4822 124 11947			
2861	10uF 20% 16V . . . . .	4822 124 11947			
2862	220pF 5% 63V . . . . .	4822 122 33575			
2863	220pF 5% 63V . . . . .	4822 122 33575	S		
2864	22pF 5% 50V . . . . .	5322 122 32658	S		
2865	22nF 10% 63V . . . . .	5322 122 32654			
2867	220pF 5% 63V . . . . .	4822 122 33575			
2869	47nF 10% 63V . . . . .	4822 126 13751			
2872	47nF 10% 63V . . . . .	4822 126 13751			
2873	47uF 20% 16V . . . . .	4822 124 80231			
2875	10uF 20% 16V . . . . .	4822 124 11947			
2876	220uF 20% . . . . .	4822 124 12245			
2877	47pF 1% 63V . . . . .	4822 126 13692			
2878	220pF 5% 63V . . . . .	4822 122 33575			
2879	47nF 10% 63V . . . . .	4822 126 13751			
2881	4,7uF 20% 100V . . . . .	4822 124 40769			

S = Safety Part Be sure to use exact replacement part.

3863	33R 5% 0,1W	4822 051 20339	7875	BC847B	4822 130 60511
3864	100R 5% 0,1W	4822 051 20101	7876	LC89170M	4822 209 16143
3866	10k 1% 0,1W	4822 117 10833	7877	SAA7325H	4822 209 17324
3867	120R 5% 0,1W	4822 051 20121			
3869	4R7 5% 0,1W	4822 051 20478			
3870	100R 5% 0,1W	4822 051 20101			
3871	10k 1% 0,1W	4822 117 10833	1800	FFC-CONNECTOR, 15P, SIDE ENTRY	4822 265 10925
3873	470R 5% 0,1W	4822 051 20471	1805	FLEX FOIL CONNECTOR 15PIN.	4822 265 10979
3875	10k 1% 0,1W	4822 117 10833	1805	FLEX FOIL CONNECTOR 23PIN.	4822 265 11182
3876	100k 1% 0,1W	4822 117 10837	1805	FLEX FOIL CONNECTOR 19PIN.	4822 265 11545
3877	10k 1% 0,1W	4822 117 10833	1875	FFC-CONNECTOR, 5P, SIDE ENTRY.	4822 267 10958
3878	10k 1% 0,1W	4822 117 10833	1876	FLEX FOIL CONNECTOR 5PIN	2422 025 08332
3879	100k 1% 0,1W	4822 117 10837	1880	SWITCH, Tray in end position	4822 276 13503
3880	3k9 5% 0,1W	4822 051 20392	1881	SWITCH, Drive up/down.	4822 276 13503
3881	100k 1% 0,1W	4822 117 10837	1882	SWITCH, Position 1	4822 276 13503
3882	47k 1% 0,1W	4822 117 10834	1883	SWITCH, Position recognized.	4822 276 13503
3883	10k 1% 0,1W	4822 117 10833	8002	FLEX FOIL CABLE 5P, 200mm.	3103 308 91990
3884	270R 1% 0,1W	4822 117 11504	8005	FLEX FOIL CABLE 15P, 170mm	3103 308 91980
3885	10k 1% 0,1W	4822 117 10833	2800	180pF 5%	4822 126 10326
3886	47k 1% 0,1W	4822 117 10834	2801	220pF 5% 50V	4822 122 33575
3887	220R 1% 0,1W	4822 117 11503	2802	180pF 5%	4822 126 10326
3888	10k 1% 0,1W	4822 117 10833	2803	220pF 5% 50V	4822 122 33575
3889	470R 5% 0,1W	4822 051 20471	2804	47nF 10% 50V	4822 126 13751
3890	1k 2% 0,25W	4822 051 10102	2805	220pF 5% 50V	4822 122 33575
3891	1k 2% 0,25W	4822 051 10102	2806	220pF 5% 50V	4822 122 33575
3892	470R 5% 0,1W	4822 051 20471	2807	330pF 5% 50V	5322 122 31863
3893	470R 5% 0,1W	4822 051 20471	2808	220pF 5% 50V	4822 122 33575
3894	100R 5% 0,1W	4822 051 20101	2809	220pF 5% 50V	4822 122 33575
3895	15R 5% 0,1W	4822 051 20159	2810	180pF 5%	4822 126 10326
3897	100R 5% 0,1W	4822 051 20101	2811	220pF 5% 50V	4822 122 33575
3898	220R 1% 0,1W	4822 117 11503	2812	100nF 10% 50V	4822 126 14585
3899	100R 5% 0,1W	4822 051 20101	2813	100nF 10% 50V	4822 126 14585
4800	0R Jumper 0805	4822 051 20008	2814	47uF 20% 25V	4822 124 40433
4801	0R Jumper 0805	4822 051 20008	2815	220nF 20% 25V	4822 126 14076
4802	0R Jumper 0805	4822 051 20008	2816	1,5nF 5% 63V	4822 126 13344
4804	0R Jumper 0805	4822 051 20008	2817	100nF 10% 50V	4822 126 14585
4805	0R Jumper 0805	4822 051 20008	2818	1,5nF 5% 63V	4822 126 13344
4806	0R Jumper 0805	4822 051 20008	2819	47uF 20% 25V	4822 124 40433
4807	0R Jumper 0805	4822 051 20008	2820	47uF 20% 25V	4822 124 40433
4808	0R Jumper 0805	4822 051 20008	2821	100nF 10% 50V	4822 126 14585
4810	0R Jumper 0805	4822 051 20008	2822	2,2nF 10% 50V	2222 861 15222
4812	0R Jumper 0805	4822 051 20008	2823	56pF 1% 63V	4822 126 13693
4817	0R Jumper 0805	4822 051 20008	2824	47nF 10% 50V	4822 126 13751
4818	0R Jumper 0805	4822 051 20008	2825	10nF 20% 50V	4822 122 33177
4819	0R Jumper 0805	4822 051 20008	2826	47uF 20% 4V	4822 124 12362
4820	0R Jumper 0805	4822 051 20008	2828	47uF 20% 4V	4822 124 12362
4821	0R Jumper 0805	4822 051 20008	2829	1nF 10% 63V	5322 122 31647
4822	0R Jumper 0805	4822 051 20008	2830	47nF 10% 50V	4822 126 13751
4823	0R Jumper 0805	4822 051 20008	2831	100pF 5% 50V	5322 122 32531
4824	0R Jumper 0805	4822 051 20008	2832	100pF 5% 50V	5322 122 32531
4825	0R Jumper 0805	4822 051 20008	2833	33pF 5% 50V	5322 122 32659
4826	0R Jumper 0805	4822 051 20008	2834	33pF 5% 50V	5322 122 32659
4827	0R Jumper 0805	4822 051 20008	2835	47nF 10% 50V	4822 126 13751
4828	0R Jumper 0805	4822 051 20008	2836	100nF 10% 50V	4822 126 14585
4830	0R Jumper 0805	4822 051 20008	2837	47uF 20% 25V	4822 124 40433
4831	0R Jumper 0805	4822 051 20008	2838	10uF 20% 63V	4822 124 40248
4832	0R Jumper 0805	4822 051 20008	2839	100nF 10% 50V	4822 126 14585
4833	0R Jumper 0805	4822 051 20008	2840	100nF 10% 50V	4822 126 14585
4834	0R Jumper 0805	4822 051 20008	2841	1nF 10% 63V	5322 122 31647
4835	0R Jumper 0805	4822 051 20008	2842	220pF 10%	5322 126 10794
4836	0R Jumper 0805	4822 051 20008	2843	100nF 10% 50V	4822 126 14585
4837	0R Jumper 0805	4822 051 20008	2844	470pF 10% 63V	5322 122 34099
4838	0R Jumper 0805	4822 051 20008	2845	100nF 10% 50V	4822 126 14585
4839	0R Jumper 0805	4822 051 20008	2846	220pF 5% 50V	4822 122 33575
4840	0R Jumper 0805	4822 051 20008	2847	100nF 10% 50V	4822 126 14585
4841	0R Jumper 0805	4822 051 20008	2848	150pF 5% 63V	5322 122 33538
4842	0R Jumper 0805	4822 051 20008	2849	4,7uF 20% 100V	4822 124 40769
4843	0R Jumper 0805	4822 051 20008	2850	1nF 10% 63V	5322 122 31647
4844	0R Jumper 0805	4822 051 20008	2851	220uF 20% 4V	4822 124 42383
4845	0R Jumper 0805	4822 051 20008	2852	47nF 10% 50V	4822 126 13751
4846	0R Jumper 0805	4822 051 20008	2853	22nF 10% 63V	5322 122 32654
4847	0R Jumper 0805	4822 051 20008	2854	47nF 10% 50V	4822 126 13751
4848	0R Jumper 0805	4822 051 20008	2855	470pF 10% 63V	5322 122 34099
4849	0R Jumper 0805	4822 051 20008	2856	27pF 1% 63V	4822 126 13691
4876	0R Jumper 0805	4822 051 20008	2857	220pF 5% 50V	4822 122 33575
5802	100uH	4822 156 31058	2858	220uF 20% 16V	4822 124 12245
6871	BAS216	4822 130 83757	2859	220pF 5% 50V	4822 122 33575
6872	BAS216	4822 130 83757	2860	10uF 20% 16V	4822 124 11947
6873	BAS216	4822 130 83757	2861	10uF 20% 16V	4822 124 11947
6874	BAS216	4822 130 83757	2862	220pF 5% 50V	4822 122 33575
6875	BZX284-C5V1	4822 130 11383	2863	220pF 5% 50V	4822 122 33575
6877	BZX284-C3V9	4822 130 11366	2864	22pF 5% 50V	5322 122 32658
6878	BAS216	4822 130 83757	2865	22nF 10% 63V	5322 122 32654
6879	BZX284-C3V9	4822 130 11366	2866	150pF 5% 63V	5322 122 33538
7801	IC SM TZA1025T/V2	9352 622 36118	2867	220pF 5% 50V	4822 122 33575
7805	TDA1308T/N1	4822 209 33165	2868	1nF 10% 63V	5322 122 31647
7806	TDA7073A/N2	4822 209 32852	2869	47nF 10% 50V	4822 126 13751
7807	TDA7073A/N2	4822 209 32852	2870	100nF 10% 50V	4822 126 14585
7812	BC847B	4822 130 60511	2871	100nF 10% 50V	4822 126 14585
7871	TDA7073A/N2	4822 209 32852	2872	47nF 10% 50V	4822 126 13751
7873	HEF4094BT	5322 209 11306	2873	47uF 20% 25V	4822 124 40433
7874	BC847B	4822 130 60511	2874	100nF 10% 50V	4822 126 14585

S = Safety Part Be sure to use exact replacement part.

2875	1uF 20% 16V.	4822 126 14043	3825	1k ohm 2% 0,25W.	4822 051 10102
2876	220uF 20% 16V.	4822 124 12245	3826	22k ohm 5% 0,1W.	4822 051 20223
2877	47pF 1% 63V.	4822 126 13692	3827	27k ohm 5% 0,1W.	4822 051 20273
2878	220pF 5% 50V.	4822 122 33575	3828	22k ohm 5% 0,1W.	4822 051 20223
2879	100nF 10% 50V.	4822 126 14585	3829	47k ohm 1% 0,1W.	4822 117 10834
2880	1uF 20% 16V.	4822 126 14043	3830	27k ohm 1% 0,1W.	4822 117 12024
2881	4,7uF 20% 100V.	4822 124 40769	3831	100 ohm 5% 0,1W.	4822 051 20101
2882	220pF 5% 50V.	4822 122 33575	3832	10k ohm 1% 0,1W.	4822 117 10833
2883	100nF 10% 50V.	4822 126 14585	3833	22k ohm 5% 0,1W.	4822 051 20223
2884	4,7uF 20% 100V.	4822 124 40769	3834	22k ohm 5% 0,1W.	4822 051 20223
2885	4,7uF 20% 100V.	4822 124 40769	3835	47k ohm 1% 0,1W.	4822 117 10834
2887	100nF 10% 50V.	4822 126 14585	3836	27k ohm 1% 0,1W.	4822 117 12024
2888	4,7uF 20% 100V.	4822 124 40769	3837	1k ohm 2% 0,25W.	4822 051 10102
2891	220pF 5% 50V.	4822 122 33575	3838	1k ohm 2% 0,25W.	4822 051 10102
2892	4,7nF 10% 63V.	5322 126 10223	3839	27k ohm 5% 0,1W.	4822 051 20273
2893	220pF 5% 50V.	4822 122 33575	3840	27k ohm 5% 0,1W.	4822 051 20273
3700	470 ohm 5% 0,1W.	4822 051 20471	3841	47k ohm 1% 0,1W.	4822 117 10834
3701	470k ohm 5% 0,1W.	4822 051 20474	3842	10k ohm 1% 0,1W.	4822 117 10833
3702	470k ohm 5% 0,1W.	4822 051 20474	3843	2,7k ohm 1% 0,1W.	4822 117 12955
3703	47k ohm 1% 0,1W.	4822 117 10834	3844	27k ohm 1% 0,1W.	4822 117 12024
3704	47k ohm 1% 0,1W.	4822 117 10834	3845	10k ohm 1% 0,1W.	4822 117 10833
3705	220 ohm 5% 0,1W.	4822 117 11503	3846	2,7k ohm 1% 0,1W.	4822 117 12955
3706	470 ohm 5% 0,1W.	4822 051 20471	3847	39 ohm 5% 0,1W.	4822 051 20399
3707	470 ohm 5% 0,1W.	4822 051 20471	3848	18k ohm 2% 0,1W.	4822 117 10965
3708	470 ohm 5% 0,1W.	4822 051 20471	3849	18k ohm 2% 0,1W.	4822 117 10965
3709	1 ohm 5% 0,1W.	4822 051 20108	3850	39 ohm 5% 0,1W.	4822 051 20399
3710	470k ohm 5% 0,1W.	4822 051 20474	3851	2,2 ohm 5% 0,33W.	4822 052 10228
3711	10k ohm 1% 0,1W.	4822 117 10833	3852	2,2 ohm 5% 0,33W.	4822 052 10228
3712	10 ohm 5% 0,1W.	4822 051 20109	3853	470 ohm 5% 0,1W.	4822 051 20471
3713	22k ohm 5% 0,1W.	4822 051 20223	3854	100 ohm 5% 0,1W.	4822 051 20101
3714	10k ohm 1% 0,1W.	4822 117 10833	3855	100 ohm 5% 0,1W.	4822 051 20101
3715	100k ohm 1% 0,1W.	4822 117 10837	3856	68 ohm 1% 0,1W.	4822 117 12521
3716	470 ohm 5% 0,1W.	4822 051 20471	3857	68 ohm 1% 0,1W.	4822 117 12521
3718	4,7k ohm 5% 0,1W.	4822 051 20472	3858	22k ohm 5% 0,1W.	4822 051 20223
3719	470k ohm 5% 0,1W.	4822 051 20474	3859	22k ohm 5% 0,1W.	4822 051 20223
3727	4,7k ohm 5% 0,1W.	4822 051 20472	3860	10k ohm 1% 0,1W.	4822 117 10833
3728	4,7k ohm 5% 0,1W.	4822 051 20472	3861	10k ohm 1% 0,1W.	4822 117 10833
3730	33k ohm 5% 0,1W.	4822 051 20333	3862	120 ohm 5% 0,1W.	4822 051 20121
3731	10k ohm 1% 0,1W.	4822 117 10833	3863	100 ohm 5% 0,1W.	4822 051 20101
3732	470 ohm 5% 0,1W.	4822 051 20471	3863	33 ohm 5% 0,1W.	4822 051 20339
3733	470 ohm 5% 0,1W.	4822 051 20471	3864	100 ohm 5% 0,1W.	4822 051 20101
3734	470 ohm 5% 0,1W.	4822 051 20471	3865	2,2 ohm 5% 0,33W.	4822 052 10228
3740	22k ohm 5% 0,1W.	4822 051 20223	3866	10k ohm 1% 0,1W.	4822 117 10833
3741	22k ohm 5% 0,1W.	4822 051 20223	3867	120 ohm 5% 0,1W.	4822 051 20121
3742	22k ohm 5% 0,1W.	4822 051 20223	3869	4,7 ohm 5% 0,1W.	4822 051 20478
3743	22k ohm 5% 0,1W.	4822 051 20223	3870	100 ohm 5% 0,1W.	4822 051 20101
3744	10k ohm 1% 0,1W.	4822 117 10833	3871	10k ohm 1% 0,1W.	4822 117 10833
3746	10k ohm 1% 0,1W.	4822 117 10833	3873	470 ohm 5% 0,1W.	4822 051 20471
3750	1k ohm 2% 0,25W.	4822 051 10102	3875	10k ohm 1% 0,1W.	4822 117 10833
3751	1k ohm 2% 0,25W.	4822 051 10102	3876	100k ohm 1% 0,1W.	4822 117 10837
3752	39 ohm 5% 0,1W.	4822 051 20399	3877	10k ohm 1% 0,1W.	4822 117 10833
3753	47k ohm 1% 0,1W.	4822 117 10834	3878	10k ohm 1% 0,1W.	4822 117 10833
3754	27k ohm 1% 0,1W.	4822 117 12024	3879	27k ohm 5% 0,1W.	4822 051 20273
3755	10k ohm 1% 0,1W.	4822 117 10833	3880	470k ohm 5% 0,1W.	4822 051 20474
3756	33k ohm 1% 0,1W.	2120 108 92632	3881	27k ohm 5% 0,1W.	4822 051 20273
3757	39 ohm 5% 0,1W.	4822 051 20399	3882	470k ohm 5% 0,1W.	4822 051 20474
3758	10k ohm 1% 0,1W.	4822 117 10833	3883	27k ohm 5% 0,1W.	4822 051 20273
3759	33k ohm 1% 0,1W.	2120 108 92632	3884	470k ohm 5% 0,1W.	4822 051 20474
3760	39 ohm 5% 0,1W.	4822 051 20399	3885	27k ohm 5% 0,1W.	4822 051 20273
3761	10k ohm 1% 0,1W.	4822 117 10833	3886	470k ohm 5% 0,1W.	4822 051 20474
3762	33k ohm 1% 0,1W.	2120 108 92632	3887	220 ohm 5% 0,1W.	4822 117 11503
3763	47 ohm 5% 0,1W.	4822 051 20479	3888	10k ohm 1% 0,1W.	4822 117 10833
3764	10k ohm 1% 0,1W.	4822 117 10833	3889	470 ohm 5% 0,1W.	4822 051 20471
3765	33k ohm 1% 0,1W.	2120 108 92632	3890	1k ohm 2% 0,25W.	4822 051 10102
3766	47 ohm 5% 0,1W.	4822 051 20479	3891	1k ohm 2% 0,25W.	4822 051 10102
3773	27k ohm 1% 0,1W.	4822 117 12024	3892	470 ohm 5% 0,1W.	4822 051 20471
3775	27k ohm 1% 0,1W.	4822 117 12024	3893	470 ohm 5% 0,1W.	4822 051 20471
3800	56k ohm 1% 0,1W.	4822 117 11148	3894	100 ohm 5% 0,1W.	4822 051 20101
3801	10k ohm 1% 0,1W.	4822 117 10833	3895	15 ohm 5% 0,1W.	4822 051 20159
3802	56k ohm 1% 0,1W.	4822 117 11148	3896	2,2 ohm 5% 0,33W.	4822 052 10228
3803	10k ohm 1% 0,1W.	4822 117 10833	3897	100 ohm 5% 0,1W.	4822 051 20101
3804	10k ohm 1% 0,1W.	4822 117 10833	3898	220 ohm 5% 0,1W.	4822 117 11503
3805	10k ohm 1% 0,1W.	4822 117 10833	3899	100 ohm 5% 0,1W.	4822 051 20101
3806	10k ohm 1% 0,1W.	4822 117 10833	4800	CHIP JUMPER 0805	4822 051 20008
3807	10k ohm 1% 0,1W.	4822 117 10833	4801	CHIP JUMPER 0805	4822 051 20008
3808	10k ohm 1% 0,1W.	4822 117 10833	4802	CHIP JUMPER 0805	4822 051 20008
3809	330 ohm 1% 0,1W.	4822 117 13577	4804	CHIP JUMPER 0805	4822 051 20008
3810	39 ohm 5% 0,1W.	4822 051 20399	4805	CHIP JUMPER 0805	4822 051 20008
3811	27k ohm 5% 0,1W.	4822 051 20273	4806	CHIP JUMPER 0805	4822 051 20008
3812	47k ohm 1% 0,1W.	4822 117 10834	4807	CHIP JUMPER 0805	4822 051 20008
3813	39 ohm 5% 0,1W.	4822 051 20399	4808	CHIP JUMPER 0805	4822 051 20008
3814	33 ohm 5% 0,1W.	4822 051 20339	4809	CHIP JUMPER 0805	4822 051 20008
3815	4,7 ohm 5% NFR.	4822 052 10478	4810	CHIP JUMPER 0805	4822 051 20008
3816	47k ohm 1% 0,1W.	4822 117 10834	4812	CHIP JUMPER 0805	4822 051 20008
3817	2,2 ohm 5% 0,33W.	4822 052 10228	4814	CHIP JUMPER 0805	4822 051 20008
3818	39 ohm 5% 0,1W.	4822 051 20399	4815	CHIP JUMPER 0805	4822 051 20008
3819	470 ohm 5% 0,1W.	4822 051 20471	4816	CHIP JUMPER 0805	4822 051 20008
3820	4,7k ohm 5% 0,1W.	4822 051 20472	4817	CHIP JUMPER 0805	4822 051 20008
3821	4,7k ohm 5% 0,1W.	4822 051 20472	4818	CHIP JUMPER 0805	4822 051 20008
3822	2,7k ohm 1% 0,1W.	4822 117 12955	4819	CHIP JUMPER 0805	4822 051 20008
3823	1k ohm 2% 0,25W.	4822 051 10102	4820	CHIP JUMPER 0805	4822 051 20008
3824	1k ohm 2% 0,25W.	4822 051 10102	4821	CHIP JUMPER 0805	4822 051 20008

S = Safety Part Be sure to use exact replacement part.

4822	CHIP JUMPER 0805	4822 051 20008	1517	Flex Socket 6pin Vert.	4822 267 10731
4823	CHIP JUMPER 0805	4822 051 20008	2220	100nF 5% 63V	5322 121 42386
4824	CHIP JUMPER 0805	4822 051 20008	2221	100nF 5% 63V	5322 121 42386
4825	CHIP JUMPER 0805	4822 051 20008	2222	1uF 20% 63V	4822 124 21913
4826	CHIP JUMPER 0805	4822 051 20008	2223	1uF 20% 63V	4822 124 21913
4827	CHIP JUMPER 0805	4822 051 20008	2224	47nF 10% 50V	4822 121 51399
4828	CHIP JUMPER 0805	4822 051 20008	2225	4700uF 16V	4822 124 11878
4831	CHIP JUMPER 0805	4822 051 20008	2226	220uF 20% 25V	4822 124 80144
4832	CHIP JUMPER 0805	4822 051 20008	2227	100uF 20% 63V	4822 124 40255
4834	CHIP JUMPER 0805	4822 051 20008	2228	47uF 20% 50V	4822 124 41751
4835	CHIP JUMPER 0805	4822 051 20008	2229	100nF 5% 63V	5322 121 42386
4836	CHIP JUMPER 0805	4822 051 20008	2243	3300uF 20% 35V	4822 124 42367
4838	CHIP JUMPER 0805	4822 051 20008	2245	220uF 20% 25V	4822 124 80144
4843	CHIP JUMPER 0805	4822 051 20008	2301	22nF +80/-20% 25V	4822 126 11585
4845	CHIP JUMPER 0805	4822 051 20008	2302	22nF +80/-20% 25V	4822 126 11585
4846	CHIP JUMPER 0805	4822 051 20008	2320	47nF 50V	4822 126 12785
4847	CHIP JUMPER 0805	4822 051 20008	2323	1uF 20% 63V	4822 124 21913
4849	CHIP JUMPER 0805	4822 051 20008	2324	1uF 20% 63V	4822 124 21913
4856	CHIP JUMPER 0805	4822 051 20008	2325	470pF 10% 50V	4822 122 33519
4857	CHIP JUMPER 0805	4822 051 20008	2326	470pF 10% 50V	4822 122 33519
4858	CHIP JUMPER 0805	4822 051 20008	2327	47uF 20% 25V	4822 124 40433
4859	CHIP JUMPER 0805	4822 051 20008	2328	47uF 20% 25V	4822 124 40433
4860	CHIP JUMPER 0805	4822 051 20008	2329	47nF 10% 50V	4822 121 51399
4861	CHIP JUMPER 0805	4822 051 20008	2330	47nF 10% 50V	4822 121 51399
4862	CHIP JUMPER 0805	4822 051 20008	2331	1000uF 20% 16V	4822 124 81144
4863	CHIP JUMPER 0805	4822 051 20008	2332	1000uF 20% 16V	4822 124 81144
4864	CHIP JUMPER 0805	4822 051 20008	2333	47nF 10% 50V	4822 121 51399
4865	CHIP JUMPER 0805	4822 051 20008	2334	47nF 10% 50V	4822 121 51399
4867	CHIP JUMPER 0805	4822 051 20008	2335	22nF +80/-20% 25V	4822 126 11585
4868	CHIP JUMPER 0805	4822 051 20008	2336	22nF +80/-20% 25V	4822 126 11585
4869	CHIP JUMPER 0805	4822 051 20008	2337	47uF 20% 25V	4822 124 40433
4870	CHIP JUMPER 0805	4822 051 20008	2338	220uF 20% 25V	4822 124 80144
4876	CHIP JUMPER 0805	4822 051 20008	2339	100uF 20% 25V	4822 124 40207
4879	CHIP JUMPER 0805	4822 051 20008	2340	680pF 10% 50V	4822 126 14316
4884	CHIP JUMPER 0805	4822 051 20008	2341	470pF 10% 50V except /37	4822 122 33519
4885	CHIP JUMPER 0805	4822 051 20008	2342	100uF 20% 25V	4822 124 40207
4886	CHIP JUMPER 0805	4822 051 20008	2346	22nF +80/-20% 25V	4822 126 11585
4887	CHIP JUMPER 0805	4822 051 20008	2346	10nF 20% 16V /37	4822 121 51387
4890	CHIP JUMPER 0805	4822 051 20008	2347	680pF 10% 50V	4822 126 14316
4893	CHIP JUMPER 0805	4822 051 20008	2348	680pF 10% 50V	4822 126 14316
4894	CHIP JUMPER 0805	4822 051 20008	2400	22pF 5% 50V	4822 122 33191
4896	CHIP JUMPER 0805	4822 051 20008	2401	22pF 5% 50V	4822 122 33191
4897	CHIP JUMPER 0805	4822 051 20008	2402	560pF 10% 50V	4822 122 10459
1810	RESONATOR 8MHZ	2422 543 01068	2404	47uF 20% 25V	4822 124 40433
1810	CERAMIC RES. 8.46MHz	4822 242 73557	2405	22nF +80/-20% 25V	4822 126 11585
5802	FILTER DIGITAL OUT	4822 156 31058	2406	22nF +80/-20% 25V	4822 126 11585
6871	BAS316	4822 130 11397	2501	100pF 10% 50V	4822 122 33195
6872	BAS316	4822 130 11397	2502	100pF 10% 50V	4822 122 33195
6873	BAS316	4822 130 11397	2503	10uF 20% 63V	4822 124 40248
6874	BAS316	4822 130 11397	2504	10uF 20% 63V	4822 124 40248
6875	BZX284-C5V1	9340 548 52115	2505	22uF 20% 50V	4822 124 81151
6877	BZX284-C3V9	9322 129 34685	2507	22uF 20% 50V	4822 124 81151
6878	BAS316	4822 130 11397	2508	1uF 20% 63V	4822 124 21913
6879	BZX284-C3V9	9322 129 34685	2509	1uF 20% 63V	4822 124 21913
7812	BC846B	5322 130 60159	2510	470pF 10% 50V	4822 122 33519
7874	BC846B	5322 130 60159	2511	470pF 10% 50V	4822 122 33519
7875	BC846B	5322 130 60159	2512	470pF 10% 50V	4822 122 33519
7801	TZA1025T/V2, HF-Amplifier	9352 622 36118	2513	470pF 10% 50V	4822 122 33519
7805	TDA1308T/N1, OP AMP.	4822 209 33165	2514	47nF 10% 50V	4822 121 51399
7806	TCA0372DP1, Motor driver	4822 209 62059	2515	47nF 10% 50V	4822 121 51399
7807	TCA0372DP1, Motor driver	4822 209 62059	2518	470pF 10% 50V	4822 122 33519
7808	TCA0372DP1, Motor driver	4822 209 62059	2519	470pF 10% 50V	4822 122 33519
7821	TCA0372DP1, Motor driver	4822 209 62059	2524	22pF 5% 50V	4822 122 33191
7822	TCA0372DP1, Motor driver	4822 209 62059	2525	22pF 5% 50V	4822 122 33191
7873	HEF4094BT, Shift register	5322 209 11306	2530	100pF 10% 50V	4822 122 33195
7876	LC89170M, CD TEXT IC	4822 209 16143	2531	100pF 10% 50V	4822 122 33195
7877	SAA7325H/M2B Signal processor CD10	9352 642 17557	2532	680pF 10% 50V	4822 126 14316
			2533	680pF 10% 50V	4822 126 14316
			2534	1,5nF 10% 16V	4822 126 12878
			2535	1,5nF 10% 16V	4822 126 12878
			2536	470uF 20% 16V	4822 124 80791
			2537	100nF +80/-20% 50V	4822 126 12882
			2538	100nF +80/-20% 50V	4822 126 12882
			2539	33nF 10% 50V	4822 121 42476
			2540	33nF 10% 50V	4822 121 42476
			2541	47nF +80/-20% 50V	4822 126 12785
			2542	47nF +80/-20% 50V	4822 126 12785
			2545	100nF +80/-20% 50V	4822 126 12882
			2546	100nF +80/-20% 50V	4822 126 12882
			2547	100uF 20% 10V	4822 124 41584
			2549	0,22uF 20% 63V	4822 124 40746
			2550	0,22uF 20% 63V	4822 124 40746
			2551	1uF 20% 63V	4822 124 21913
			2552	1uF 20% 63V	4822 124 21913
			2553	330pF 10% 50V	4822 126 12787
			2554	330pF 10% 50V	4822 126 12787
			2555	330pF 10% 50V	4822 126 12787
			2556	330pF 10% 50V	4822 126 12787
			2557	330pF 10% 50V	4822 126 12787
			2558	330pF 10% 50V	4822 126 12787
			2559	1uF 20% 63V	4822 124 21913
			2560	1uF 20% 63V	4822 124 21913

COMBI BOARD ELECTRICAL PARTS LIST

COMBI BOARD ELECTRICAL PARTS LIST

S 1201	Mains Socket	4822 265 31015
S 1201	Mains Socket /37	4822 265 31016
S 1202	Voltage Selector /21/21M	4822 272 10269
S 1205	Fuse T800mA 250V /21/21M	4822 071 58001
S 1206	Fuse T1.6A 250V	4822 071 51602
S 1206	Fuse T2A 250V /37	4822 253 10128
S 1207	Fuse T1.6A 250V	4822 071 51602
S 1207	Fuse T2A 250V /37	4822 253 10128
S 1208	Fuse T315mA 250V	4822 071 53151
S 1208	Fuse T315mA 250V /37	4822 252 51151
S 1209	Fuse T1.6A 250V /21/21M	4822 071 51602
1322	Loudspeaker Socket	4822 267 31176
1325	Headphone Socket	4822 265 11529
1431	Tact Switch	4822 276 13775
1432	Tact Switch	4822 276 13775
1433	Tact Switch	4822 276 13775
1434	Tact Switch	4822 276 13775
1435	Tact Switch	4822 276 13775
1507	Aux.-in Socket	4822 265 20553
1508	Flex Socket 16pin Vert.	2422 025 14526
1509	Flex Socket 15pin Vert.	4822 265 10981
1510	Flex Socket 9pin Vert.	2422 025 14518

S = Safety Part Be sure to use exact replacement part.

2561	470pF 10% 50V except /37	4822 122 33519	3519	47k 5% 0,5W	4822 116 83884
2562	470pF 10% 50V except /37	4822 122 33519	3522	1M 5% 0,5W	4822 116 83866
2563	100pF 10% 50V	4822 122 33195	3523	1M 5% 0,5W	4822 116 83866
2564	330pF 10% 50V	4822 126 12787	3524	100k 5% 0,5W	4822 116 52234
2565	330pF 10% 50V	4822 126 12787	3525	100k 5% 0,5W	4822 116 52234
2566	100nF +80/-20% 50V	4822 126 12882	3526	27k 5% 0,5W	4822 116 52264
2567	22nF +80/-20% 25V	4822 126 11585	3527	27k 5% 0,5W	4822 116 52264
2572	100nF +80/-20% 50V	4822 126 12882	3528	27k 5% 0,5W	4822 116 52264
2575	47pF 5% 50V	4822 122 33848	3529	27k 5% 0,5W	4822 116 52264
2576	47pF 5% 50V	4822 122 33848	3530	33k 1% 0,6W	4822 050 23303
2577	470uF 20% 16V	4822 124 80791	3531	33k 1% 0,6W	4822 050 23303
2578	100uF 20% 25V	4822 124 40207	3534	100k 5% 0,5W	4822 116 52234
2580	10uF 20% 63V	4822 124 40248	3535	100k 5% 0,5W	4822 116 52234
2581	470uF 20% 10V	4822 124 80195	3536	8k2 5% 0,5W	4822 116 52303
2589	470pF 10% 50V	4822 122 33519	3537	8k2 5% 0,5W	4822 116 52303
2590	680pF 10% 50V	4822 126 14316	3538	82k 5% 0,5W	4822 116 52304
2591	47pF 5% 50V	4822 122 33848	3539	82k 5% 0,5W	4822 116 52304
2592	47pF 5% 50V	4822 122 33848	3540	4k7 5% 0,5W	4822 116 52283
2593	47pF 5% 50V	4822 122 33848	3541	4k7 5% 0,5W	4822 116 52283
2594	47pF 5% 50V	4822 122 33848	3543	68k 5% 0,5W	4822 116 52297
2597	56pF 5% 50V	4822 122 10573	3544	68k 5% 0,5W	4822 116 52297
2598	56pF 5% 50V	4822 122 10573	3545	100k 5% 0,5W	4822 116 52234
2598	47pF 5% 50V /37	4822 122 33848	3546	100k 5% 0,5W	4822 116 52234
2599	680pF 10% 50V	4822 126 14316	3547	470R 5% 0,5W	4822 116 83883
2600	220pF 10% 50V	4822 122 10466	3548	470R 5% 0,5W	4822 116 83883
2600	680pF 10% 50V /37	4822 126 14316	3549	4k7 5% 0,5W	4822 116 52283
9313	22nF +80/-20% 25V	4822 126 11585	3551	2R2 5% 0,5W	4822 116 81154
3208	10M 5% 0,5W /37	4822 053 21106	3552	2R2 5% 0,5W	4822 116 81154
3213	1k 1% 0,4W	4822 050 11002	3553	39k 5% 0,5W	4822 116 83882
3214	4R7 1% 0,6W	4822 050 24708	3554	39k 5% 0,5W	4822 116 83882
3242	4R7 1% 0,6W	4822 050 24708	3556	3k3 5% 0,5W	4822 116 52269
3246	100R 5% 0,5W	4822 116 52175	3557	3k3 5% 0,5W	4822 116 52269
3247	100R 5% 0,5W	4822 116 52175	3560	470R 5% 0,5W	4822 116 83883
3248	100R 5% 0,5W	4822 116 52175	3561	470R 5% 0,5W	4822 116 83883
3249	100R 5% 0,5W	4822 116 52175	3562	10k 1% 0,6W /21/21M	4822 050 21003
3252	1k 1% 0,4W	4822 050 11002	3562	8k2 1% 0,6W	4822 116 52303
3253	4R7 1% 0,6W	4822 050 24708	3563	10k 1% 0,6W /21/21M	4822 050 21003
3256	10k 1% 0,6W	4822 050 21003	3563	8k2 1% 0,6W	4822 116 52303
3257	10k 1% 0,6W	4822 050 21003	3564	180R 5% 0,5W	4822 116 52213
3258	4k7 5% 0,5W	4822 116 52283	3565	180R 5% 0,5W	4822 116 52213
3259	10k 1% 0,6W	4822 050 21003	3566	10k 1% 0,6W /21/21M	4822 050 21003
3260	220R 5% 0,5W	4822 116 83872	3566	15k 1% 0,6W	4822 116 52244
3261	12k 5% 0,5W	4822 116 52238	3567	10k 1% 0,6W /21/21M	4822 050 21003
3263	10k 1% 0,6W	4822 050 21003	3567	15k 1% 0,6W	4822 116 52244
3264	5k6 5% 0,5W	4822 116 52289	3568	12k 5% 0,5W	4822 116 52238
3265	22k 5% 0,5W	4822 116 52257	3569	12k 5% 0,5W	4822 116 52238
3266	220R 5% 0,5W	4822 116 83872	3570	5k6 5% 0,5W /21/21M	4822 116 52289
3268	220R 5% 0,5W	4822 116 83872	3570	10k 1% 0,6W	4822 050 21003
3269	2k2 5% 0,5W	4822 116 52256	3571	5k6 5% 0,5W /21/21M	4822 116 52289
3272	120R 5% 0,5W	4822 116 52206	3571	10k 1% 0,6W	4822 050 21003
3300	120R 5% 0,5W	4822 116 52206	3574	22k 5% 0,5W	4822 116 52257
3301	120R 5% 0,5W	4822 116 52206	3575	22k 5% 0,5W	4822 116 52257
3321	10k 1% 0,6W	4822 050 21003	3576	15k 5% 0,5W /21/21M	4822 116 52244
3322	10k 1% 0,6W	4822 050 21003	3576	12k 5% 0,5W	4822 116 52238
3325	2k2 5% 0,5W	4822 116 52256	3577	15k 5% 0,5W /21/21M	4822 116 52244
3326	2k2 5% 0,5W	4822 116 52256	3577	12k 5% 0,5W	4822 116 52238
3327	560R 5% 0,5W	4822 116 52226	3578	150k 5% 0,5W	4822 116 52245
3328	560R 5% 0,5W	4822 116 52226	3579	150k 5% 0,5W	4822 116 52245
3329	3k3 5% 0,5W	4822 116 52269	3580	22k 5% 0,5W	4822 116 52257
3330	3k3 5% 0,5W	4822 116 52269	3581	22k 5% 0,5W	4822 116 52257
S 3331	2R2 5% 0,33W	4822 052 10228	3584	1k 1% 0,4W	4822 050 11002
S 3332	2R2 5% 0,33W	4822 052 10228	3585	47R 5% 0,5W	4822 116 52195
S 3333	2R2 5% 0,33W	4822 052 10228	3586	2k2 5% 0,5W	4822 116 52256
S 3334	2R2 5% 0,33W	4822 052 10228	3587	6k8 5% 0,5W	4822 116 83961
3335	3k3 5% 0,5W	4822 116 52269	3588	470R 5% 0,5W	4822 116 83883
3336	10k 1% 0,6W	4822 050 21003	S 3589	33R 5% 0,33W	4822 052 10339
3337	39k 5% 0,5W	4822 116 83882	3590	82k 5% 0,5W	4822 116 52304
3341	2k2 5% 0,5W	4822 116 52256	3591	82k 5% 0,5W	4822 116 52304
3342	47k 5% 0,5W	4822 116 83884	3593	1k 1% 0,4W	4822 050 11002
3400	2k2 5% 0,5W	4822 116 52256	3594	1k 1% 0,4W	4822 050 11002
3401	2k2 5% 0,5W	4822 116 52256	3596	68k 5% 0,5W	4822 116 52297
3402	2k2 5% 0,5W	4822 116 52256	3597	68k 5% 0,5W	4822 116 52297
3403	2k2 5% 0,5W	4822 116 52256	3598	470R 5% 0,5W	4822 116 83883
3404	2k2 5% 0,5W	4822 116 52256	3599	470R 5% 0,5W	4822 116 83883
3405	470R 5% 0,5W	4822 116 83883	3601	47k 5% 0,5W /21/21M	4822 116 83884
3406	2k2 5% 0,5W	4822 116 52256	3601	56k 5% 0,5W	4822 116 52291
3407	2k2 5% 0,5W	4822 116 52256	3602	47k 5% 0,5W /21/21M	4822 116 83884
3408	10R 5% 0,5W	4822 116 52176	3602	56k 5% 0,5W	4822 116 52291
3409	5k6 5% 0,5W	4822 116 52289	3603	1M 5% 0,5W	4822 116 83866
3410	8k2 5% 0,5W	4822 116 52303	3604	1M 5% 0,5W	4822 116 83866
3411	100R 5% 0,5W	4822 116 52175	3605	100k 5% 0,5W	4822 116 52234
3412	100R 5% 0,5W	4822 116 52175	3606	100k 5% 0,5W	4822 116 52234
3413	100R 5% 0,5W	4822 116 52175	3609	5k6 5% 0,5W	4822 116 52289
3453	1k2 5% 0,5W	4822 116 52207	3610	5k6 5% 0,5W	4822 116 52289
3454	2k2 5% 0,5W	4822 116 52256	3640	4k7 5% 0,5W	4822 116 52283
3455	3k9 5% 0,5W	4822 116 52276	3641	1k2 5% 0,5W	4822 116 52207
3456	8k2 5% 0,5W	4822 116 52303	3642	1k2 5% 0,5W	4822 116 52207
3501	68k 5% 0,5W	4822 116 52297	5202	Choke Coil 400uH except /37	4822 157 11832
3502	68k 5% 0,5W	4822 116 52297	5321	Coil 2,2uH 5%	4822 157 11477
3509	68k 5% 0,5W	4822 116 52297	5322	Coil 2,2uH 5%	4822 157 11477
3510	68k 5% 0,5W	4822 116 52297	5324	Coil 2,2uH 5%	4822 157 11477
3518	47k 5% 0,5W	4822 116 83884	5501	Coil 2,2uH 5%	4822 157 11477

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