

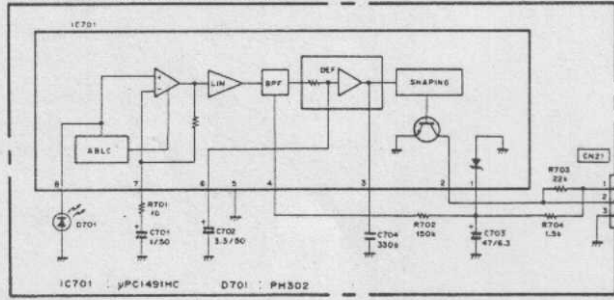
A

B

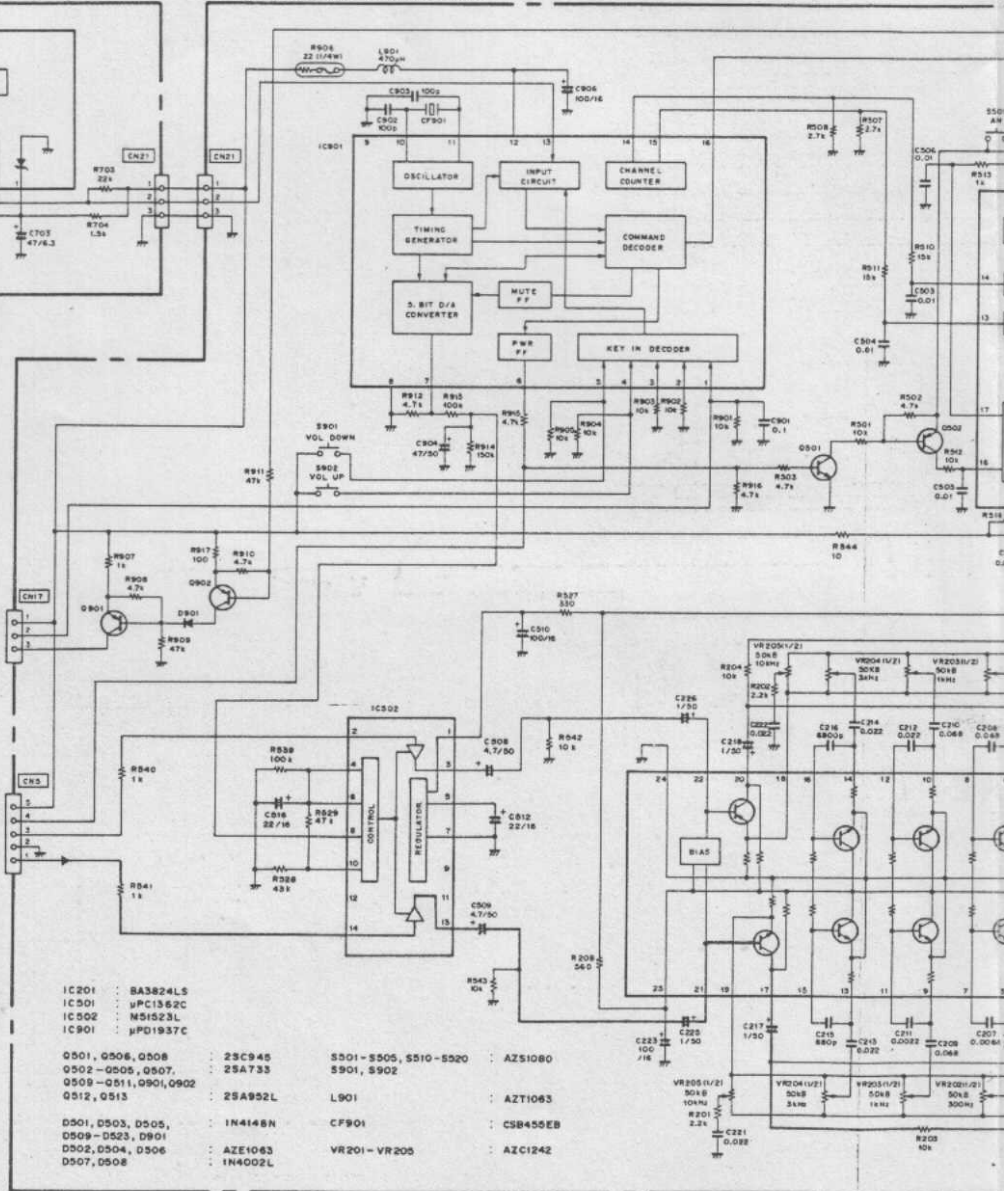
C

D

SENSOR PCB ASSEMBLY (AZW1081)



TONE PCB SUB ASSEMBLY (AZW1079)



TO POWER SW ASSEMBLY (⇒ P24)

TO MAIN PCB SUB ASSEMBLY (⇒ P23)

BACK UP B+ POWER ON/OFF R/O GND L/O

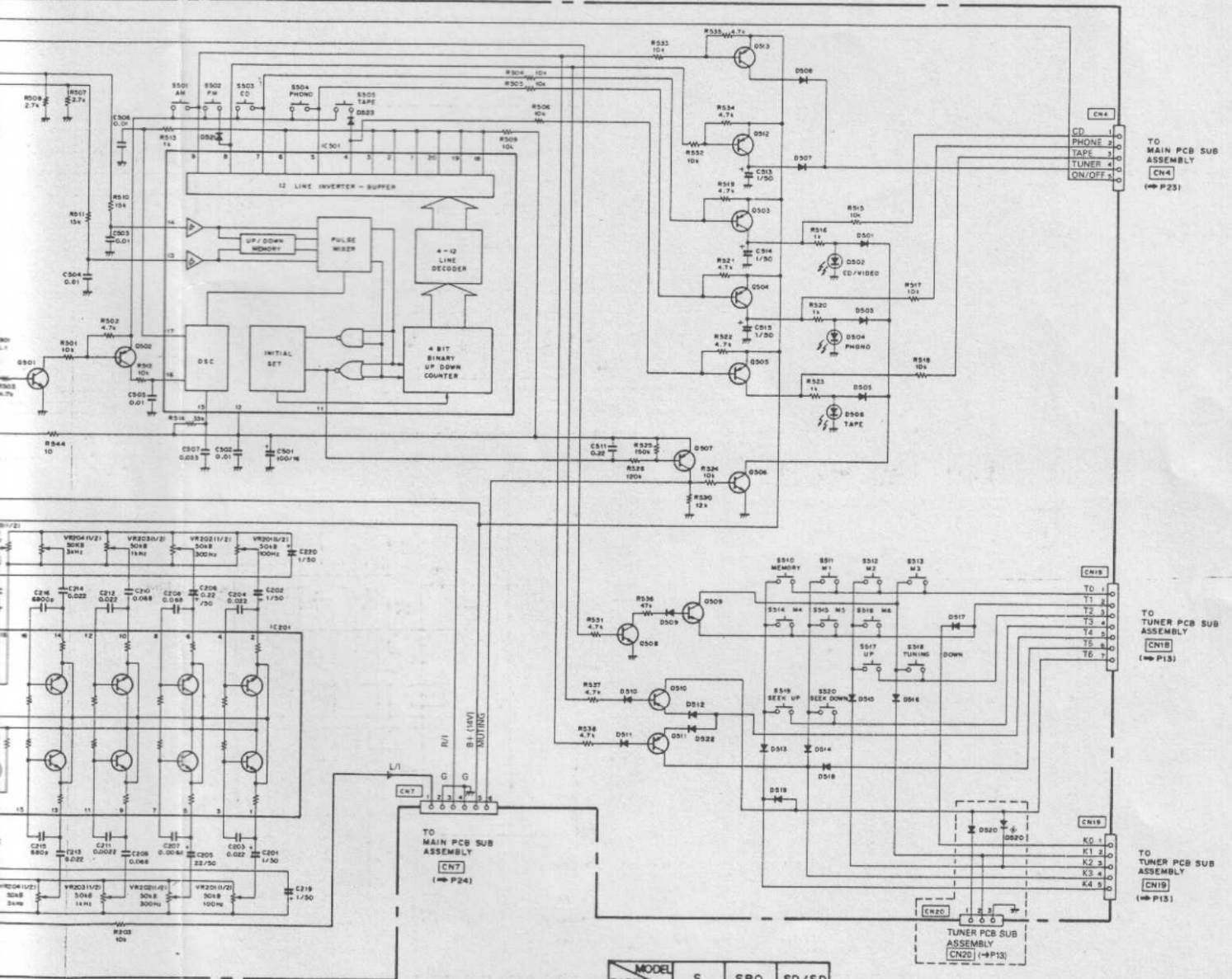
- |                  |   |                                |
|------------------|---|--------------------------------|
| IC201 : BA3824LS | Q501, Q506, Q508 : 2SC945                   | S201-S505, S510-S520 : AZS1080 |
| IC501 : μPC1362C | Q502-Q505, Q507 : 2SA733                    | S901, S902 : AZS1080           |
| IC502 : M51523L  | Q509-Q511, Q901, Q902 : 2SA952L             | L901 : AZT1063                 |
| IC901 : μPD1937C | Q512, Q513 : 2SA952L                        | CF901 : CSB455EB               |
|                  | D501, D503, D505, D509-D523, D901 : 1N4148N | VR201-VR205 : AZC1242          |
|                  | D502, D504, D506 : AZE1063                  |                                |
|                  | D507, D508 : 1N4002L                        |                                |

1. RESISTORS : Indicated in Ω, 1/4W, 1/6W and 1/8W, ±5% tolerance unless otherwise noted k; kΩ, M; MΩ, (F); ±1%, (G); ±2%, (K); ±10%, (M); ±20% tolerance.

2. CAPACITORS : Indicated in capacity (μF) / voltage (V) unless otherwise noted p; pF. Indication without voltage is 50V except electrolytic capacitor.

3. VOLTAGE, CURRENT : : Signal voltage at 55W+55W, 4Ω output (1kHz). : DC voltage (V) at no input signal. Value in ( ) is DC voltage at rated power. : DC current at no input signal.

4. OTHERS : : Signal route. : Adjusting point. The Δ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation. \* marked capacitors and resistors have parts numbers.

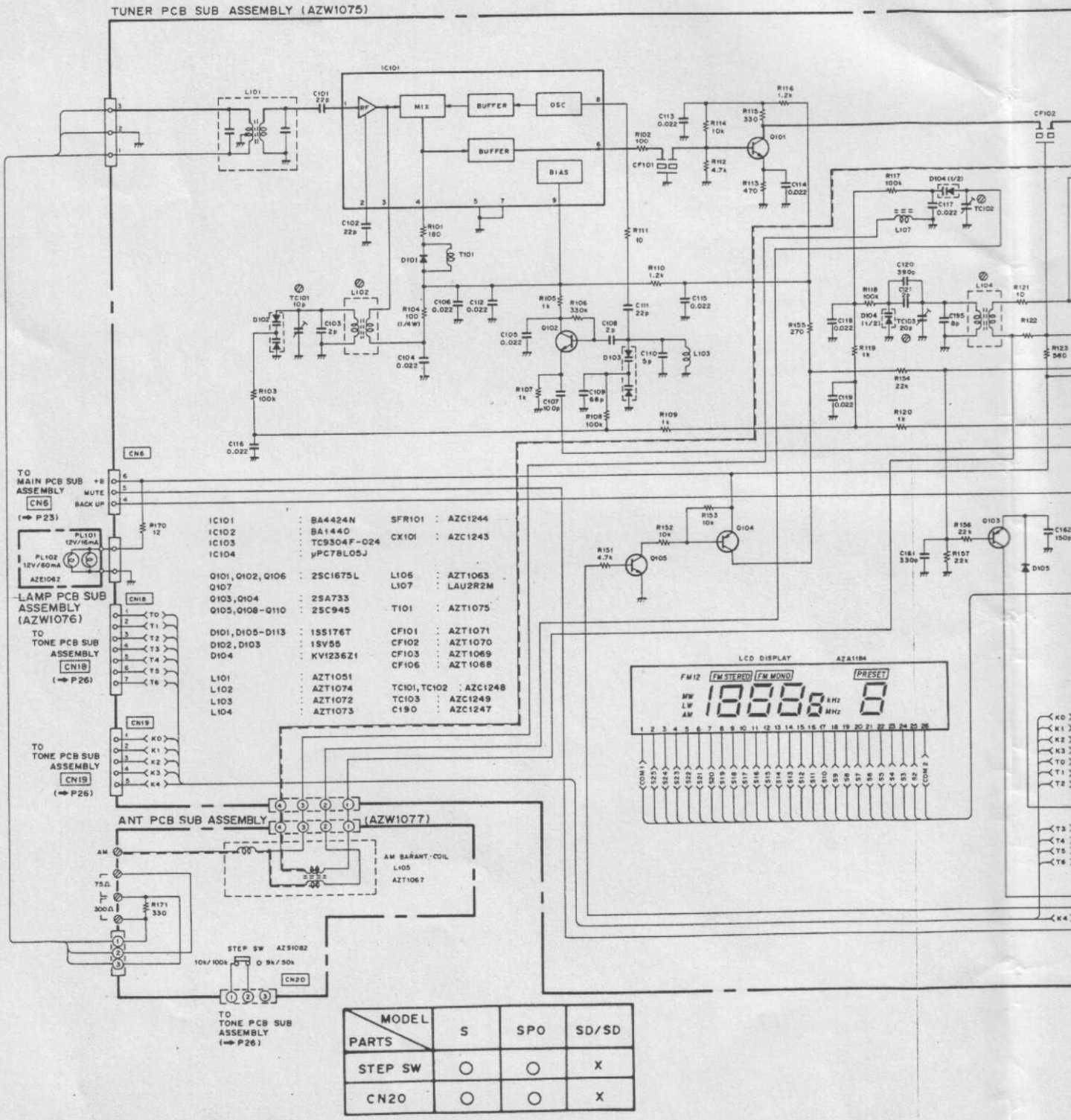


MODEL PARTS	S	SPO	SD/SD
*D520	-	-	○
D520	○	○	-
CN20	○	○	-

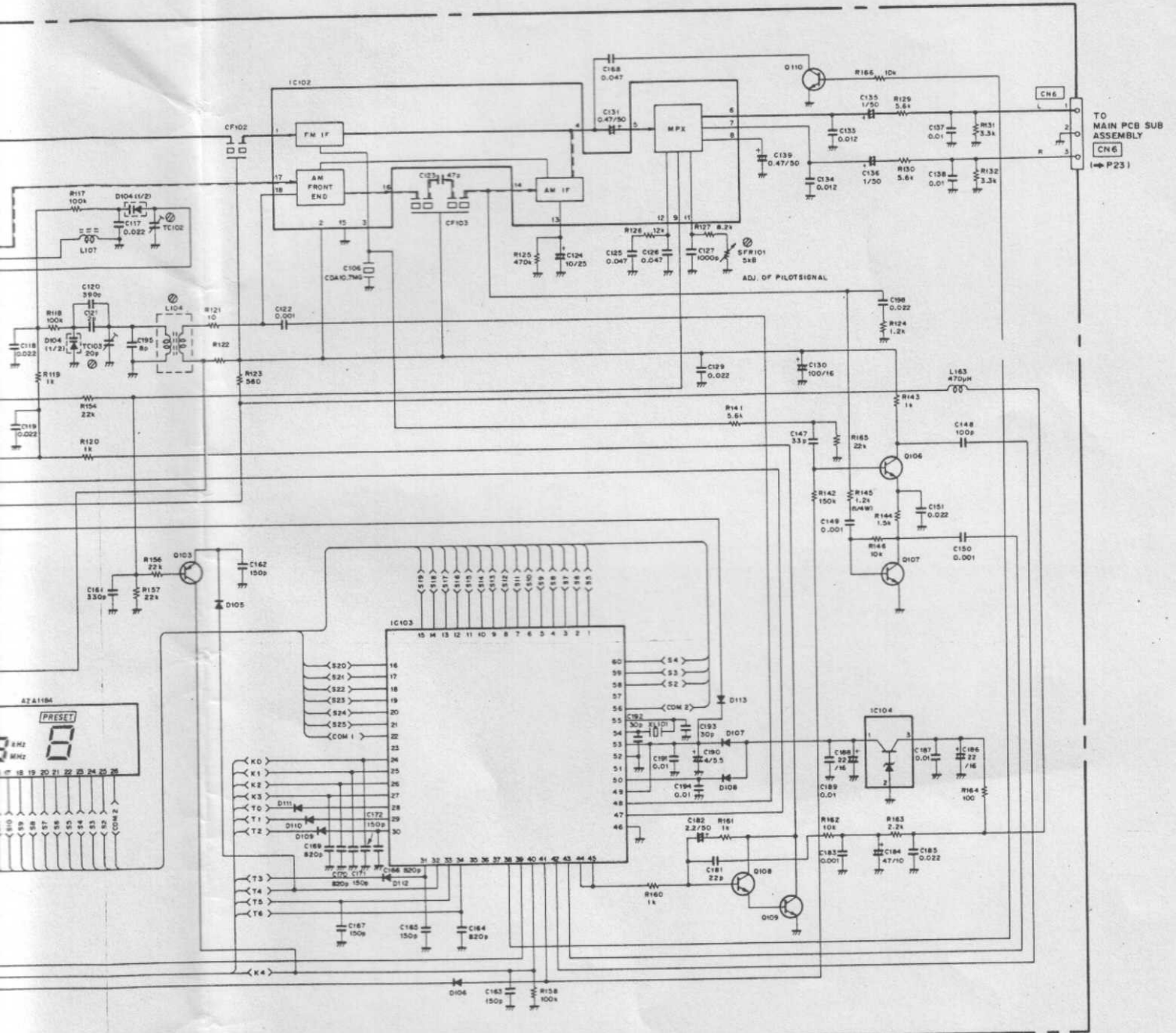
55W, 4.0 output (1kHz).  
 no input signal.  
 C voltage at rated power.  
 input signal.

component parts indicates the  
 factor of the part. Therefore, when  
 parts of identical designation,  
 resistors have parts numbers.

# 5. SCHEMATIC DIAGRAM AND P.C. BOARD PATTERNS







1. RESISTORS:  
Indicated in Ω, 1/BW, 1/4W, ±5% tolerance unless otherwise noted  
k: kΩ, M: MΩ, (F): ±1%, (G): ±2%, (K): ±10%, (M): ±20% tolerance

2. CAPACITORS:  
Indicated in capacity (μF)/voltage (V) unless otherwise noted  
p: pF. Indication without voltage is 50V except electrolytic capacitor.

3. VOLTAGE, CURRENT:  
□: DC voltage (V) at no input signal  
⊠: Signal voltage at FM 400Hz 75kHz DEV.

4. OTHERS:  
→: Signal route.  
⊙: Adjusting point.

The Δ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.  
■ marked capacitors and resistors have part numbers.

This is the basic schematic diagram, but the actual circuit may vary due to improvements in design.

1

2

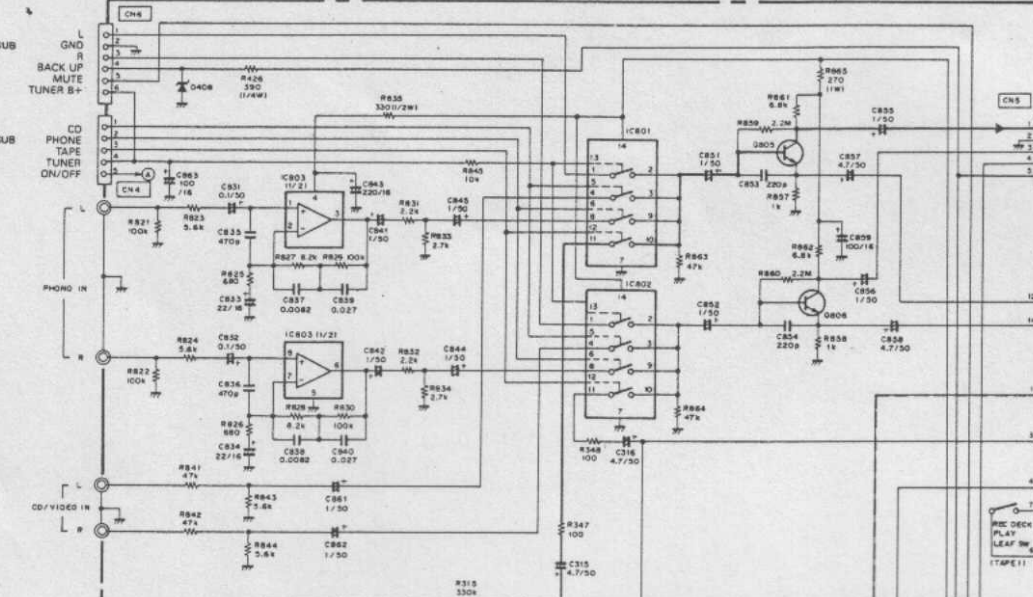
3

A

TO TUNER PCB SUB ASSEMBLY  
[CN6] (P14)

TO TONE PCB SUB ASSEMBLY  
[CN4] (P26)

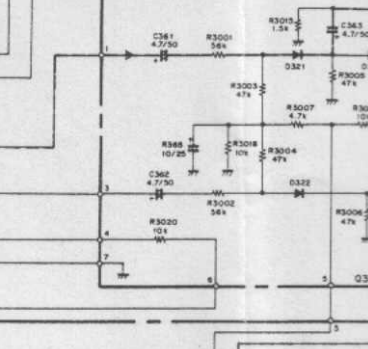
MAIN PCB SUB ASSEMBLY (AZW1069)



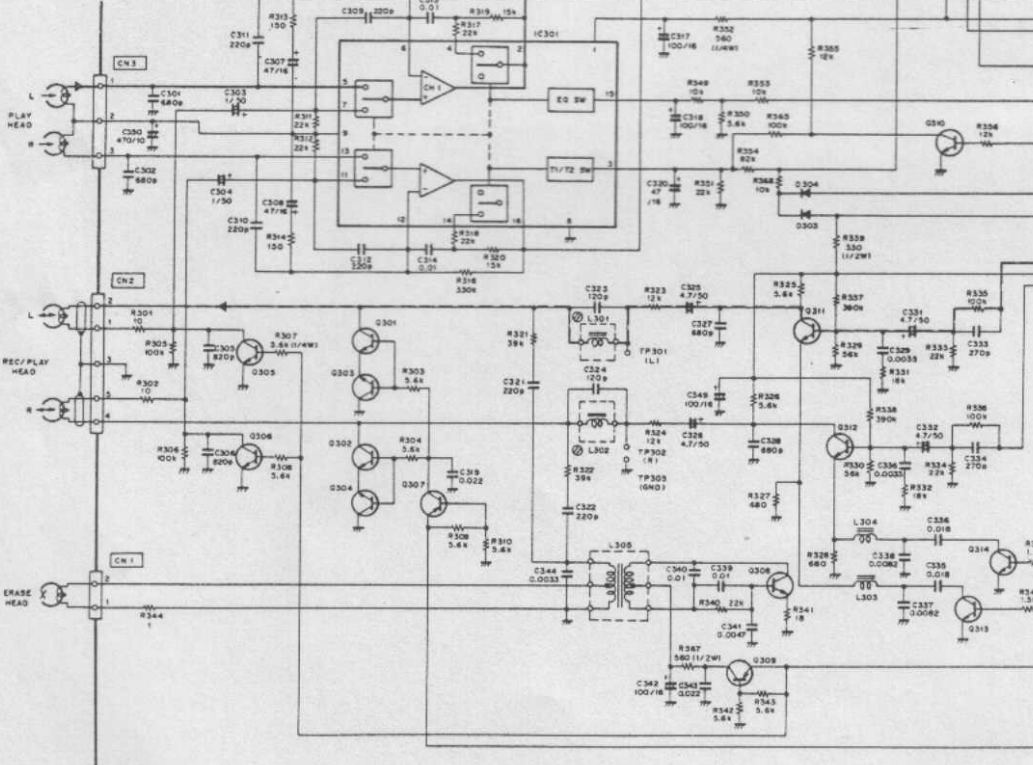
- IC801 : TA7784P  
 IC802 : BA3312N  
 IC803 : STK4392  
 IC804 : µPC7812M  
 IC801, IC802 : TC4066BP  
 IC803 : LA3161
- Q301-Q306, Q308, Q310, Q313, Q314, Q317, Q301, Q402, Q307, Q309, Q312, Q316 : 2SC945  
 Q311, Q312, Q305, Q306 : 2SA733  
 Q311, Q312, Q305, Q306 : 2SC1842

B

DUBBING PCB SUB ASSEMBLY (AZW1070)



C



D

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A

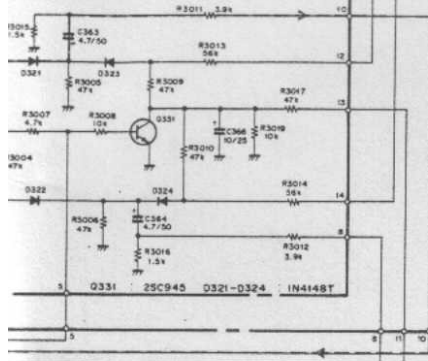
B

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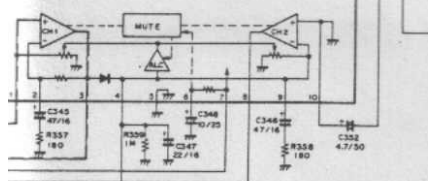
D

TA7784P	Q403, Q404	25C2001L	L301, L302	AZT1057
8A3312N	Q405	25D313	L303, L304	AZT1059
5TK4392			L305	AZT1056
µPC7812H	D301-D304	1N4148T		
TC4066BP	D405, D409		SFR301, SFR302	AZC190
LA3161	D401, D403	B205L	R425, R427	AZC1250
	D402	KBL02		
25C945	D406	1N4002L		
	D407	RD15EB23		
	D408	RD5EB23		
25A733	O410	RD15EB23		
	RL401	AZS1078		

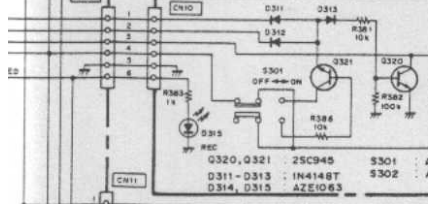
SEMBLY (AZW1070)



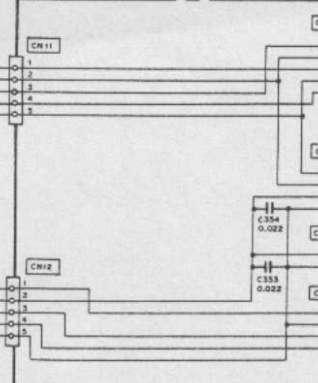
IC302



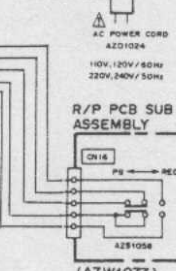
POWER SW ASSEMBLY (AZW1080)



MOTOR PCB SUB ASSEMBLY (AZW1072)



POWER SUPPLY ASSEMBLY (AZW1082)



R/P PCB SUB ASSEMBLY (AZW1073)

