

ADDITIONAL

 **PIONEER**

Service Manual

STEREO CASSETTE TAPE DECK

CT-F650

KU, KC, D

- The basic performance of the KU, KC and D types are the same as the HB type. This additional service manual is applicable to the KU, KC and D types. Please refer to the HE, HB, HP types service manual (ART-417) with exception of this supplements.

KU typeFor U.S.A. model

KC typeFor Canada model

D typeFor General export model

1. SPECIFICATIONS

The specifications for KU, KC and D types are the same as the HE, HB, HP types except for following sections.

Power Requirements

KU and KC type AC 120V, 60Hz

D type AC 120V, 220V, and 240V, 50/60Hz

Power Consumption

KU and KC types 19 watts

D types 16 watts

2.CONTRAST OF MISCELLANEOUS PARTS

ASSEMBLY

Symbol	Description	Part No.			
		HB type	KU type	KC type	D type
	Main assembly	RWX-369	RWX-357	RWX-358	RWX-358

TRANSFORMER

Symbol	Description	Part No.			
		HB type	KU type	KC type	D type
T1	Power transformer	RTT-189	RTT-193	RTT-194	RTT-196

SWITCHES

Symbol	Description	Part No.			
		HB type	KU type	KC type	D type
S14	Power switch	RSA-033	RSA-032	RSA-032	RSA-034
S13	Line voltage (2-position)	RSX-045	.....	.....	.....
	Line voltage selector (3-position)	.....	.....	.....	RKR-020

FUSE

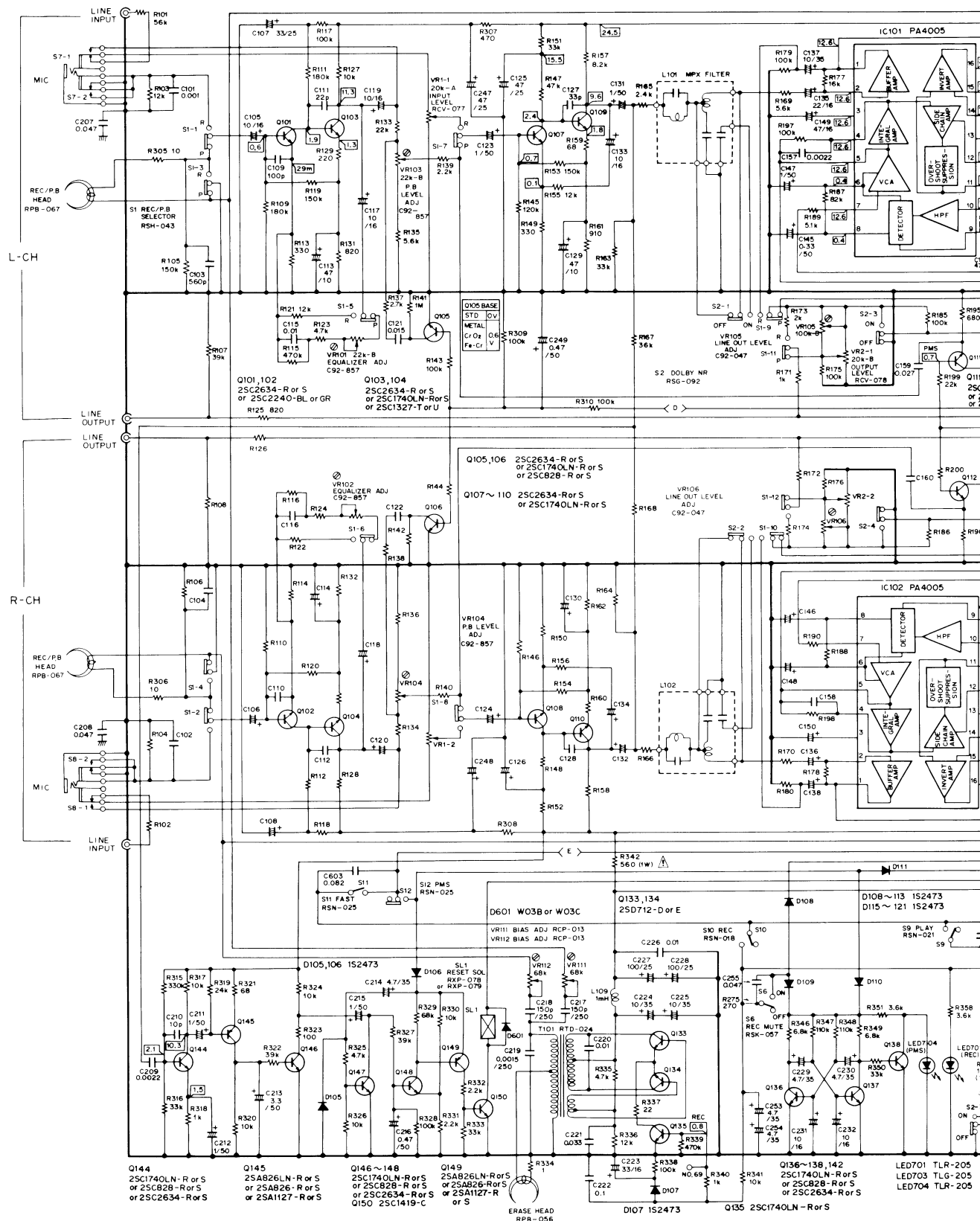
Symbol	Description	Part No.			
		HB type	KU type	KC type	D type
FU1	Fuse T500mA	REK-049	.....	.....	.....
	Fuse 1A (for 120V)	.....	.....	.....	REK-051
	Fuse 0.5A (for 220V, 240V)	.....	.....	.....	REK-048

OTHERS

Symbol	Description	Part No.			
		HB type	KU type	KC type	D type
	AC power cord	RDG-028	RDG-022	RDG-022	RDG-024
C1	Ceramic capacitor (0.01)	.....	RCG-006	RCG-006	C43-003
	Fuse holder	RKR-021	.....	.....	.....
	Capacitor cover (for C1)	.....	REC-297	REC-297	.....
	Capacitor sleeve A	.....	.....	.....	REC-150
	Wire nut	.....	.....	.....	RBM-004

PACKING MATERIALS

Symbol	Description	Part No.			
		HB type	KU type	KC type	D type
	Packing case	RHG-305	RHG-308	RHG-307	RHG-309
	Operating instructions	RRB-111	RRB-124	RRB-124	RRB-111
	Fuse 1A	.....	.....	.....	REK-051
	Fuse 0.5A	.....	.....	.....	REK-048



1. RESISTORS:
Indicated in Ω , $k\Omega$, $M\Omega$. (F) : $\pm 1\%$, (G) : $\pm 5\%$.

2. CAPACITORS:
Indicated in capacity μF .
Indication without value : Indication without value.

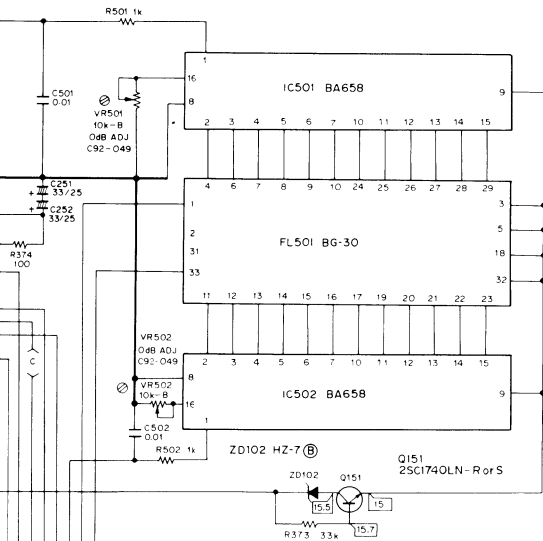
3. VOLTAGE
DC voltage (V)

4. OTHERS
Adjusting point.
The $\uparrow$ mark found in the diagram indicates the importance of the safety of the parts to be sure to use parts of the same type.

SWITCHES:
S1 : REC/P.B. SELECT
S2 : DOLBY NR
S3 : TAPE SELECTOR (METAL)
S4 : TAPE SELECTOR (F-C)
S5 : TAPE SELECTOR (C-O)
S6 : REC MUTE
S7 : LINE/MIC SELECTOR
S9 : PLAY
S10 : REC
S11 : FAST
S12 : PMS
S14 : POWER
S15 : MOTOR

The underlined indicates the parts to be replaced.

This is the basic schematic diagram. It is subject to improvements in the future.



1. RESISTORS:
Indicated in Ω , $\frac{1}{2}W$, $\pm 5\%$ tolerance unless otherwise noted k : k Ω ,
M : M Ω , (F) : $\pm 1\%$, (G) : $\pm 2\%$, (K) : $\pm 10\%$ tolerance

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

3. VOLTAGE
 : DC voltage (V) at no input signal

4. OTHERS:

⊗ : Adjusting point.

The  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.

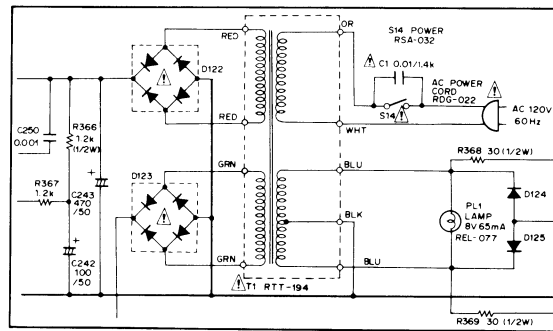
SWITCHES:

S1 : REC/P.B. SELECTOR	PLAYBACK — REC
S2 : DOLBY NR	<u>OFF</u> — ON
S3 : TAPE SELECTOR(METAL)	OFF — ON
S4 : TAPE SELECTOR(Fe - Cr)	OFF — ON
S5 : TAPE SELECTOR(Cr O ₂)	OFF — ON
S6 : REC MUTE	<u>OFF</u> — ON
S7,8 : LINE/MIC SELECTOR	<u>LINE</u> — MIC
S9 : PLAY	OFF — ON
S10 : REC	OFF — ON
S11 : FAST	OFF — ON
S12 : PMS	OFF — ON
S13 : POWER	<u>OFF</u> — ON
S15 : MOTOR	OFF — ON

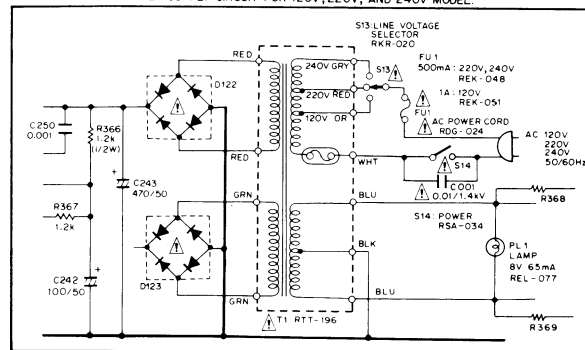
The underlined indicates the switch position.

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

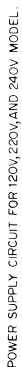
POWER SUPPLY CIRCUIT FOR CANADA MODEL



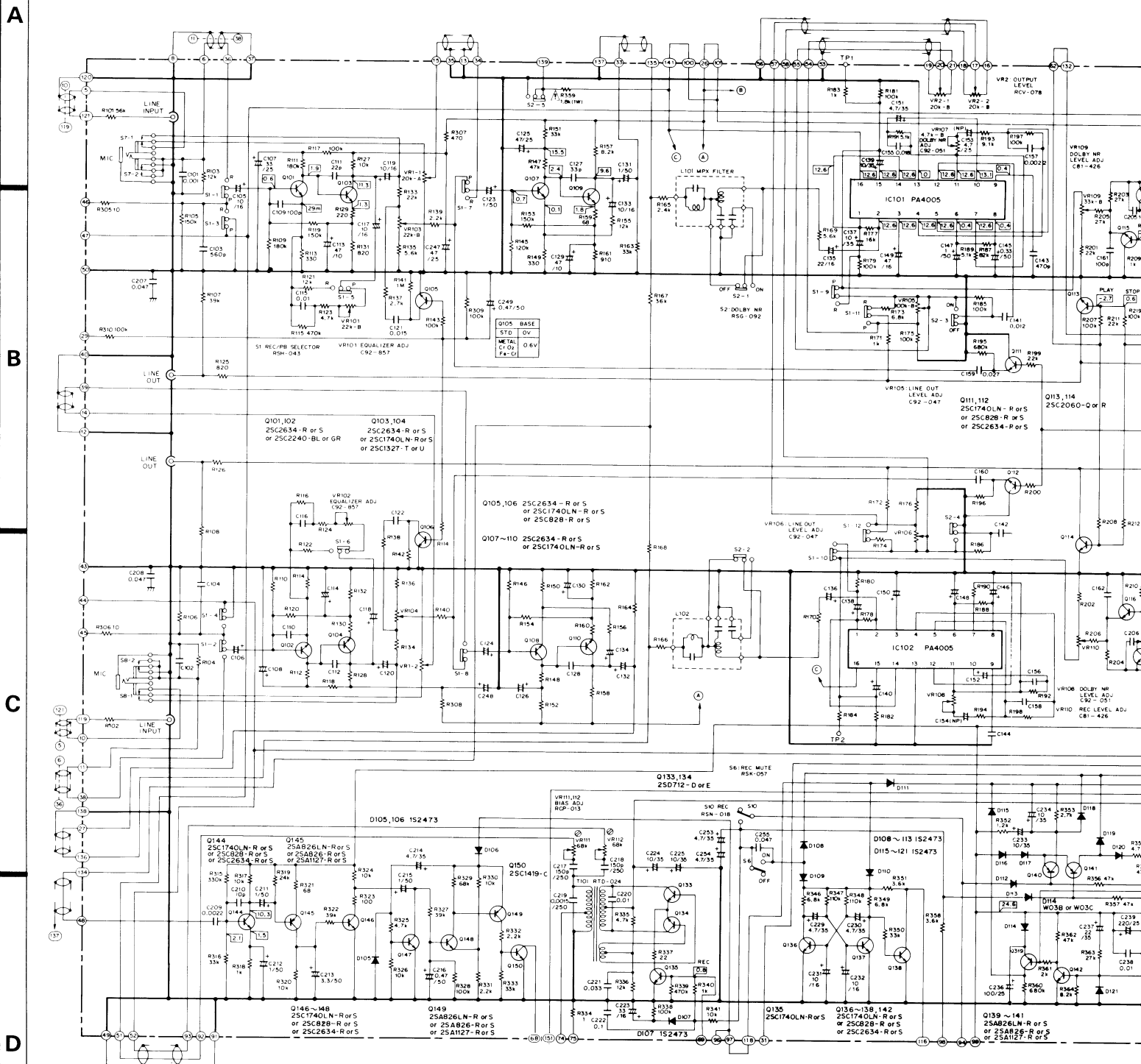
POWER SUPPLY CIRCUIT FOR 120V, 220V, AND 240V MODEL.

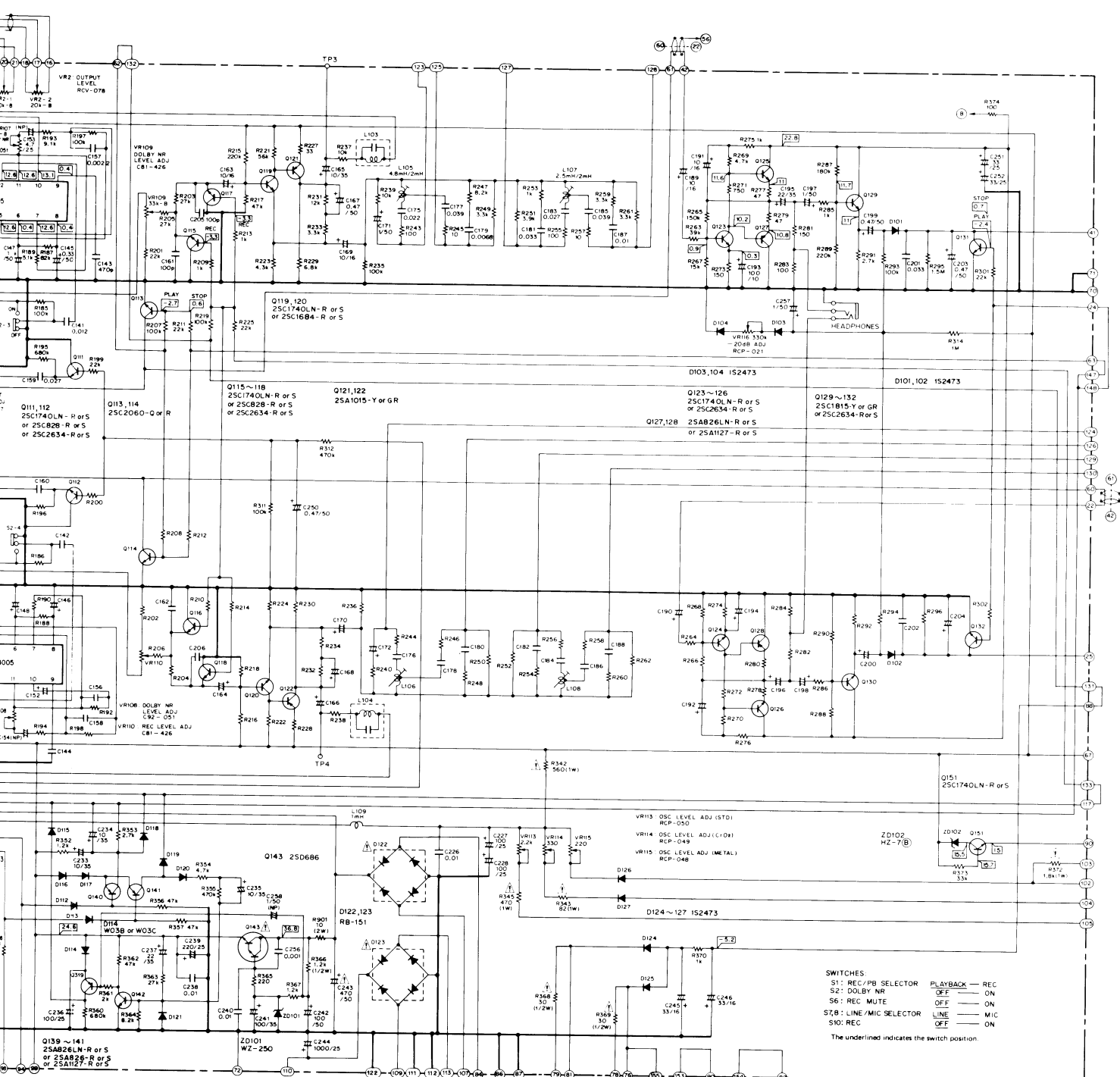


6



3.3 MAIN ASSEMBLY (RWX-357, For KU Type)



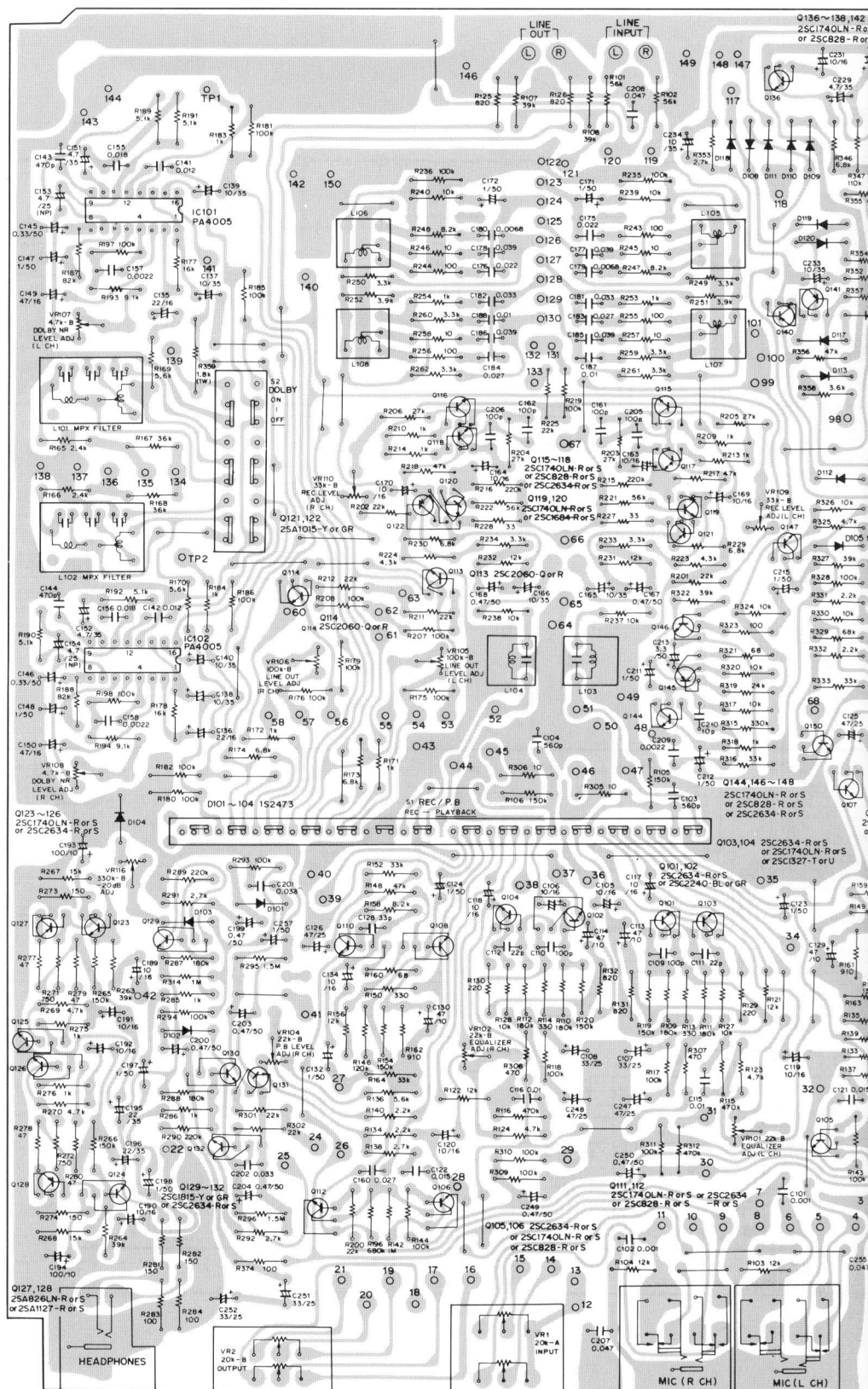


SWITCHES:

S1: REC/PB SELECTOR	PLAYBACK	—	REC
S2: DOLBY NR	<u>OFF</u>	—	ON
S6: REC MUTE	<u>OFF</u>	—	ON
S7,8: LINE/MIC SELECTOR	<u>LINE</u>	—	MIC
S10: REC	<u>OFF</u>	—	ON

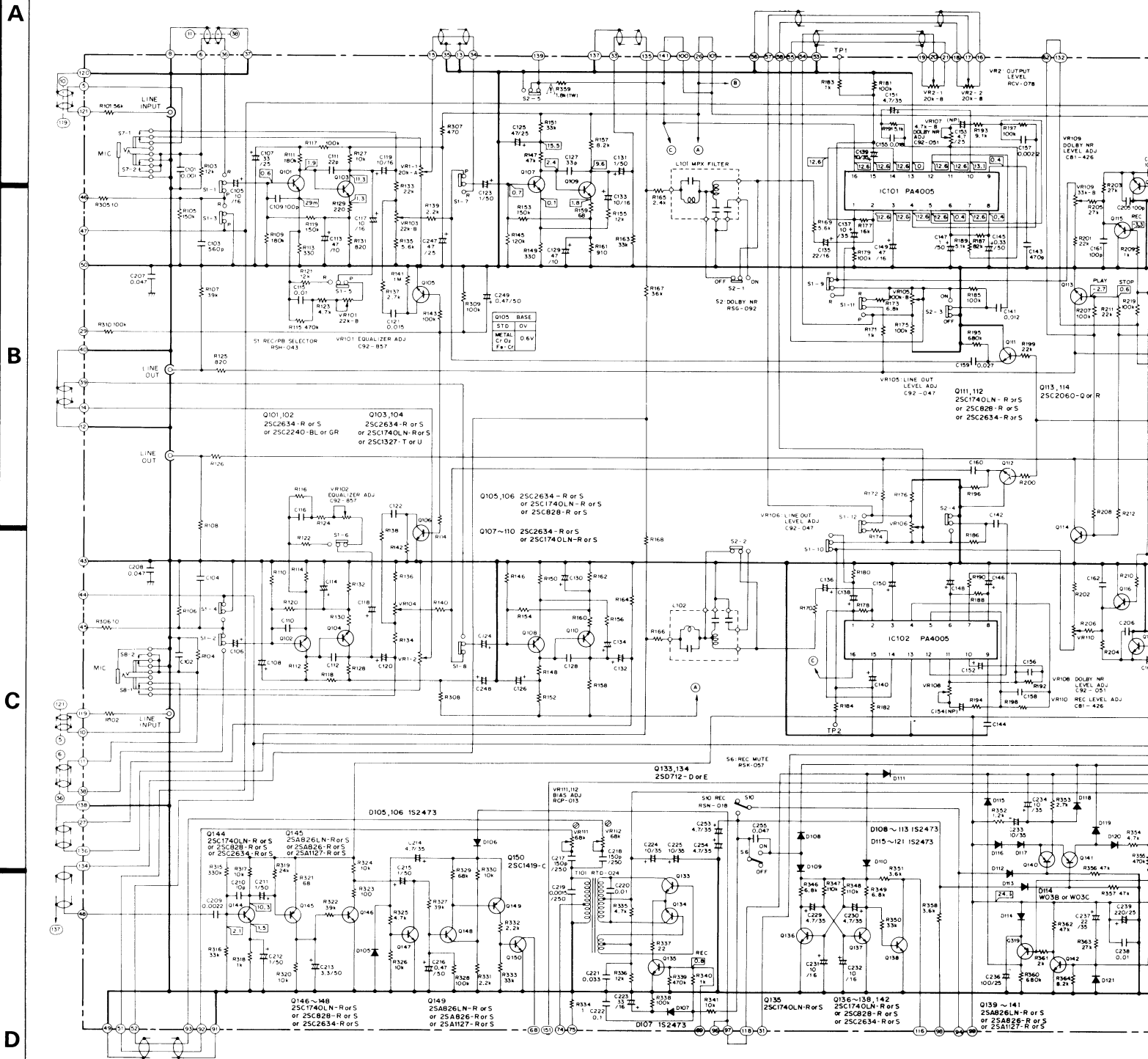
The underlined indicates the switch position.

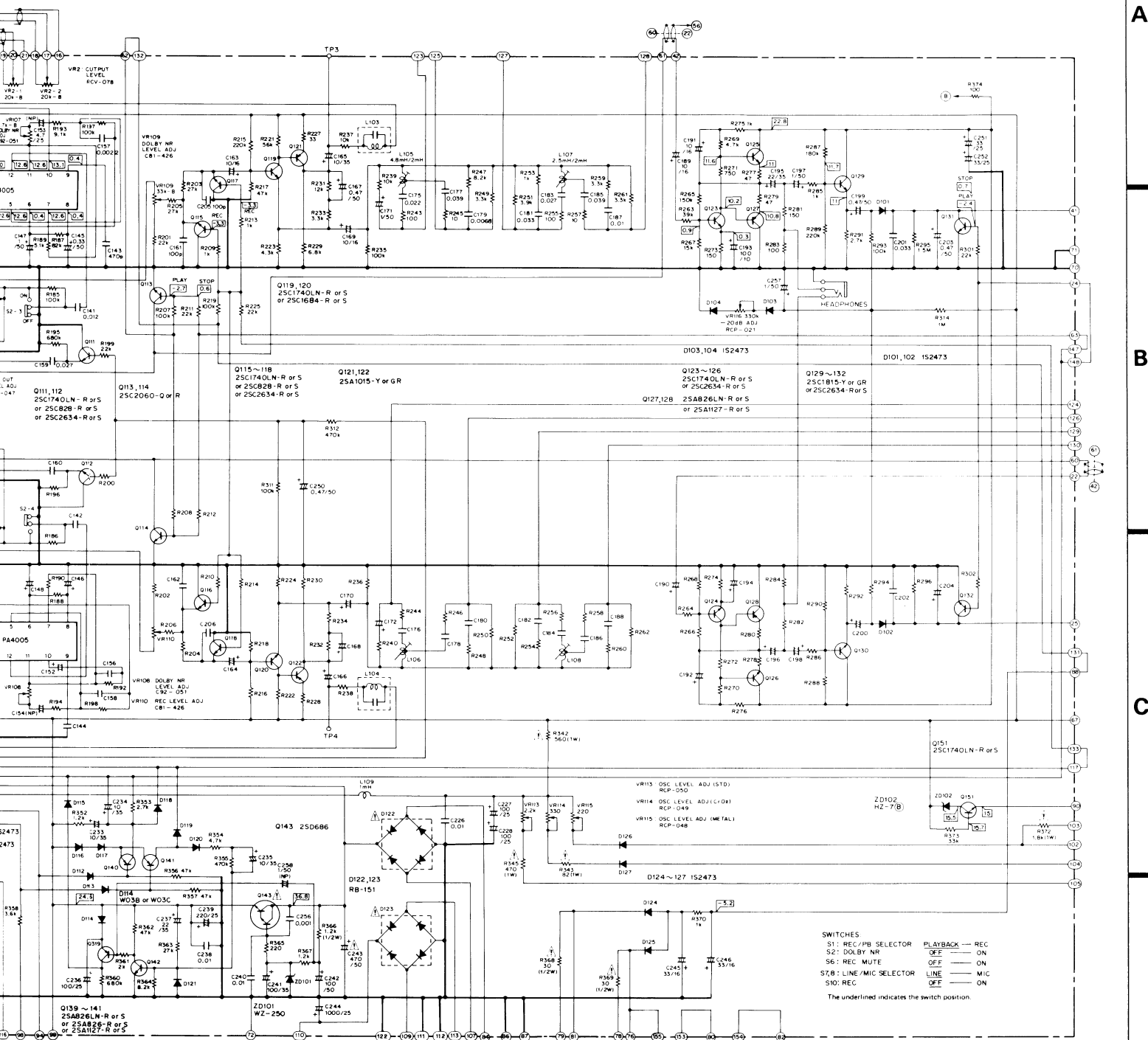
D



D

3.4 MAIN ASSEMBLY (RWX-358, For KC and D Type)







D |

3.5 PARTS LIST OF MAIN ASSEMBLY (RWX-357, RWX-358)

The parts of RWX-357 (for KU type) and RWX-358 (for KC and D types) are the same as the RWX-369 (for HB type) except for following parts.

Symbol	Description	Part No.		
		RWX-369	RWX-357	RWX-358
 FU2	Fuse T500mA	REK-049	.....	.....
 FU3	Fuse T800mA	REK-064	.....	.....
 FU4, FU5	Fuse T315mA	REK-052	.....	.....
 R901	Resistor 10Ω 2W	.....	RS2PF 100J	.....
	Ceramic tube	RBF-041	.....	.....
	Ceramic tube	RBF-042	.....	.....