ORDER NO. MD0409449S3

Service Manual

DVD Stereo System

SA-VK80DGC
SA-VK80DGCP
SA-VK80DGCS

Colour

(S) .... Silver Type (For GCP/GCS only)

(K) .... Black Type (For GC/GCS only)

Subject : SCHEMATIC / P.C.B / PART LIST (UPDATE)

Please use this supplement manual together with the service manual for Model No. [SA-VK80DGCP-S, GC-K, Order No. MD0308348C3], [SA-VK80DGCS-S/K, Order No. MD0308358C3].

⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

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Panasonic

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1 SPECIAL NOTE

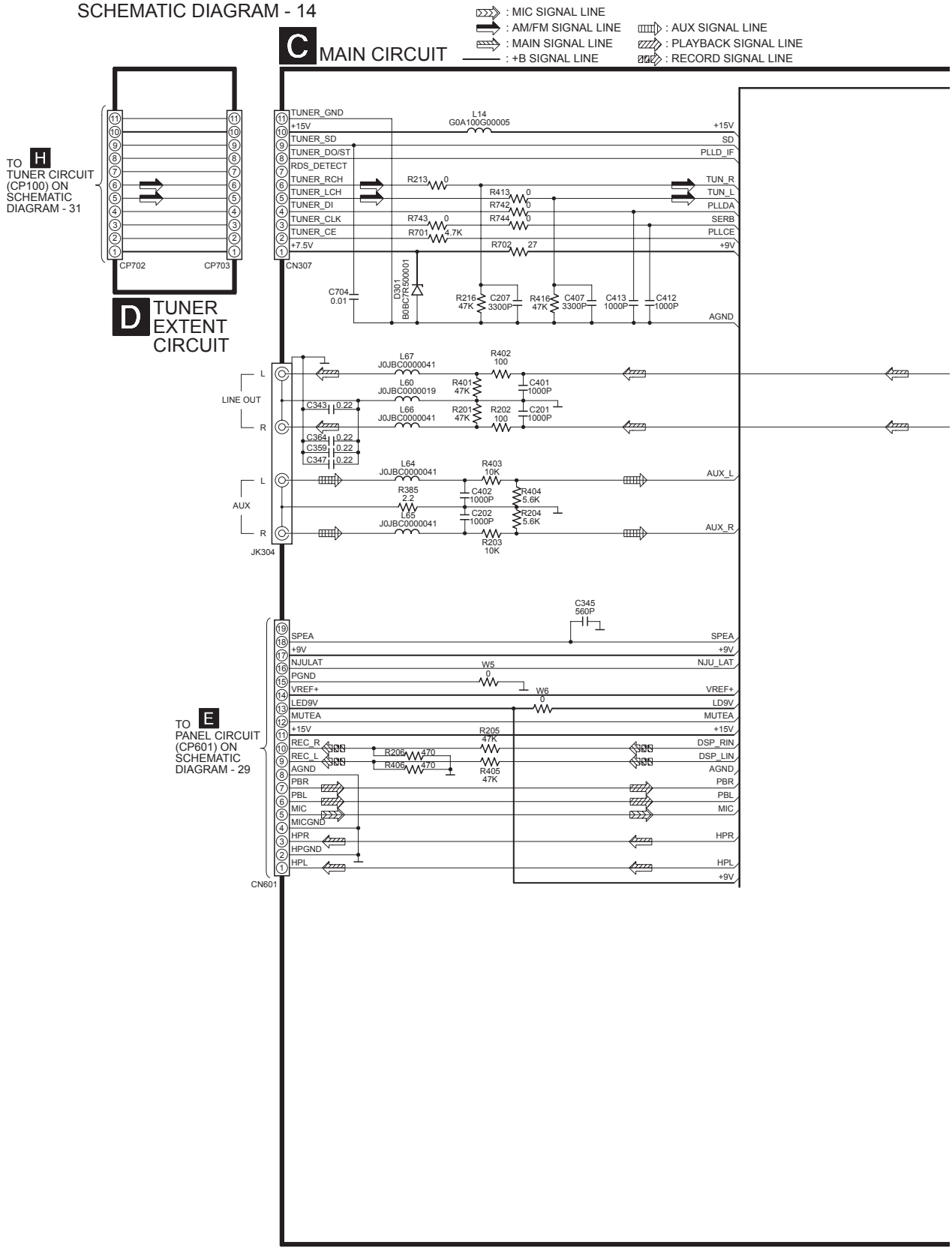
THIS SUPPLEMENT is issued for purpose of updating to the original service manual to assist technician for easy troubleshooting. Due to the design change & improvements, circuitries had been change.

Note: During troubleshooting of unit, the changes mention may not be applicable.

2 Schematic Diagram (Updating)

Note: With reference to pg 87 to pg 98 (Schematic Diagram -14 to 25) of original Service manual for SA-VK80DGC/GCS/GCP-S/K.

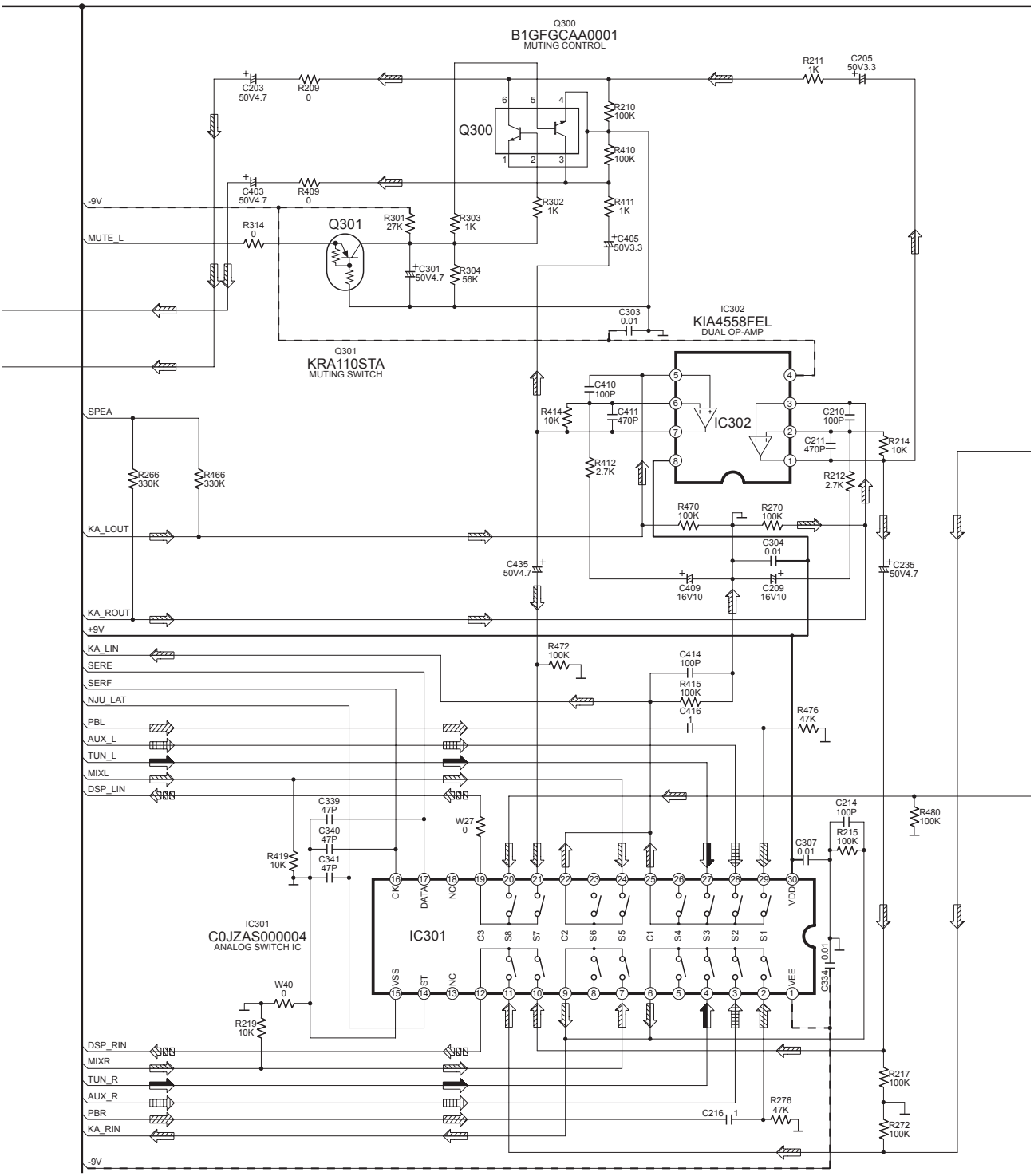
SCHEMATIC DIAGRAM - 14



SCHEMATIC DIAGRAM - 15

C MAIN CIRCUIT

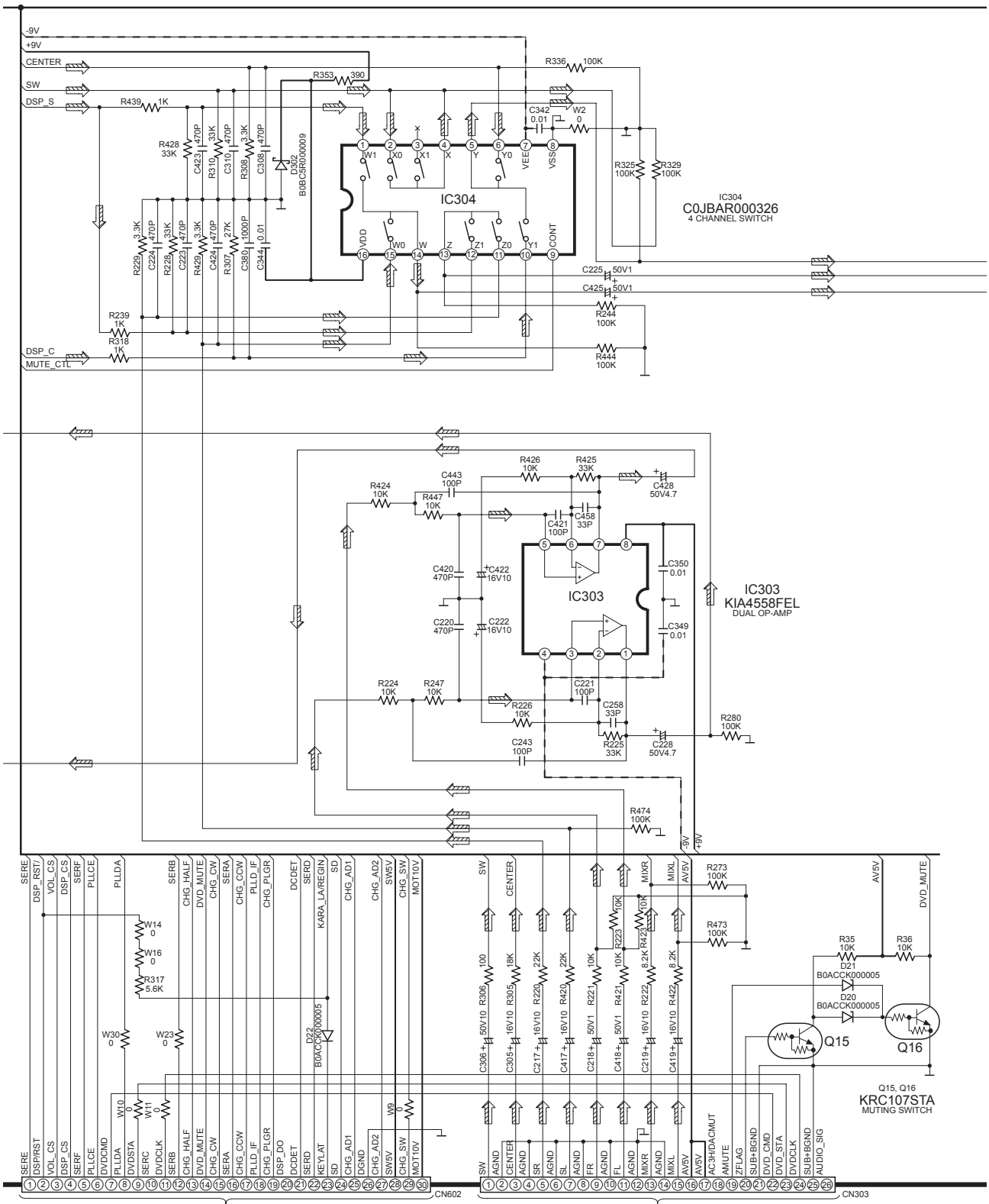
- - - - : -B SIGNAL LINE
——— : +B SIGNAL LINE
: AUX SIGNAL LINE
: PLAYBACK SIGNAL LINE
: RECORD SIGNAL LINE
: MAIN SIGNAL LINE
: AM/FM SIGNAL LINE



SCHEMATIC DIAGRAM - 16

C MAIN CIRCUIT

– – – : -B SIGNAL LINE
——— : +B SIGNAL LINE
⇨ : MAIN SIGNAL LINE



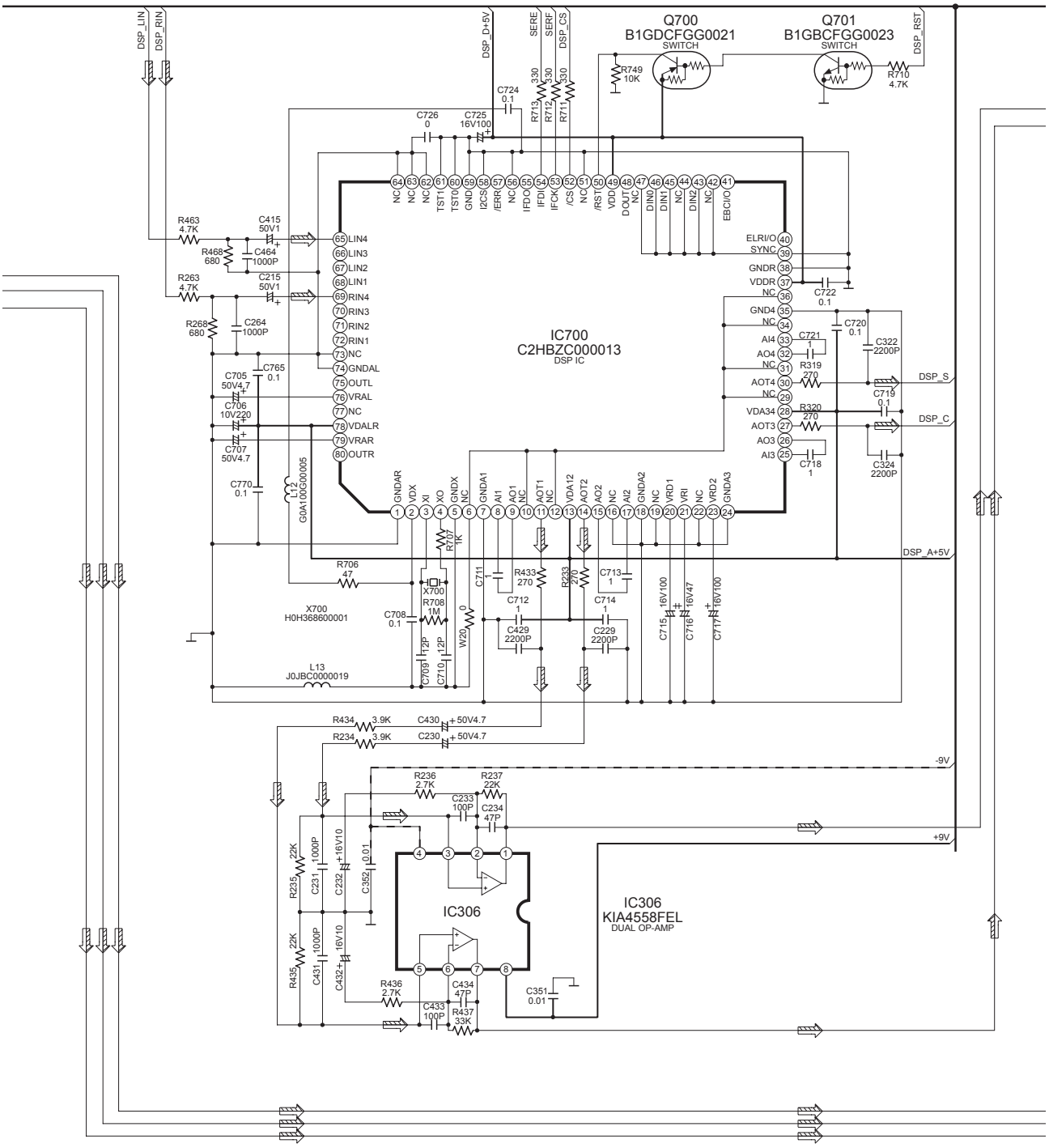
TO E PANEL CIRCUIT (CP602) ON SCHEMATIC DIAGRAM - 29

TO B DVD MODULE 2 CIRCUIT (FP4202) ON SCHEMATIC DIAGRAM - 13

SCHEMATIC DIAGRAM - 17

C MAIN CIRCUIT

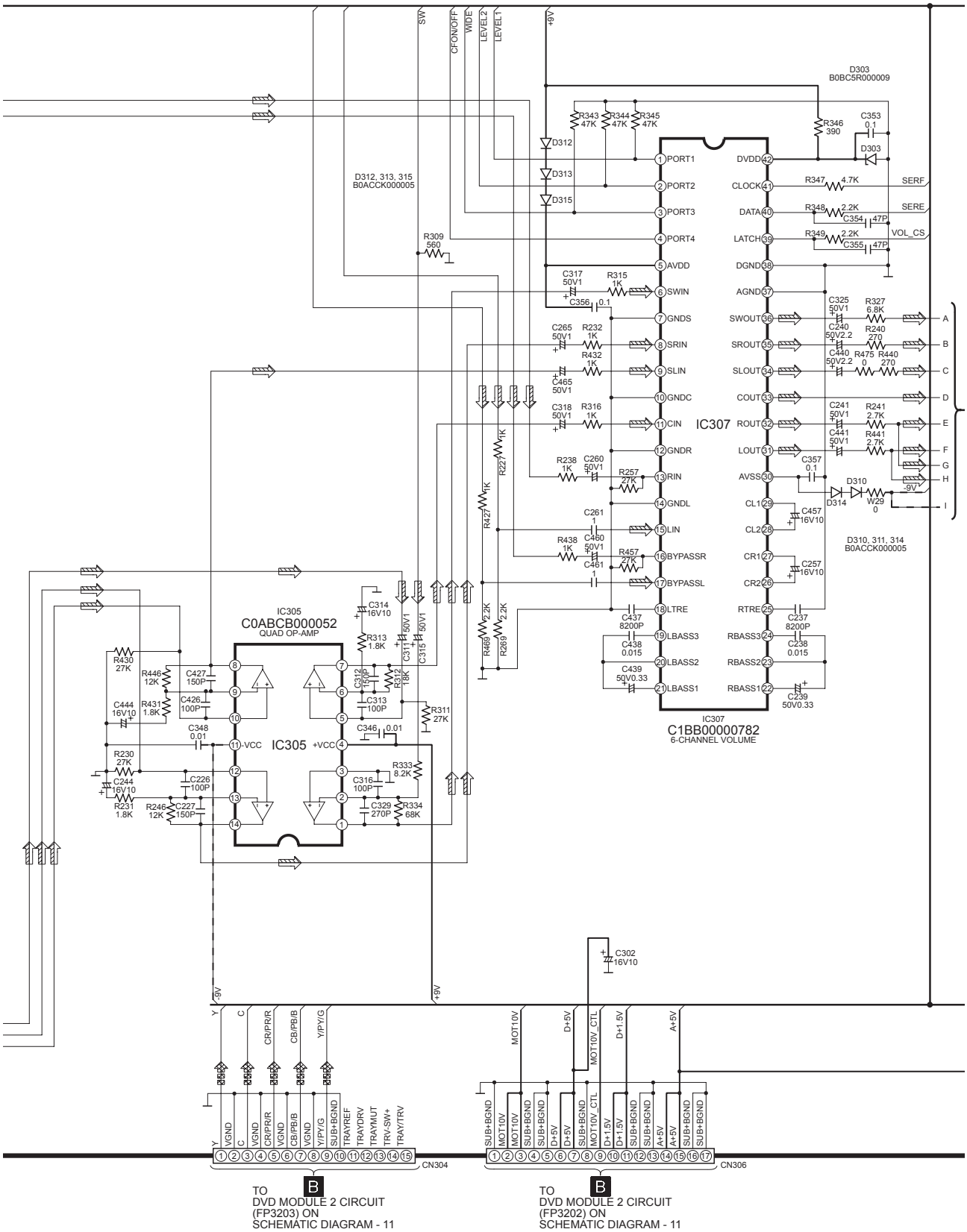
- - - - : -B SIGNAL LINE
——— : +B SIGNAL LINE
⇨ : MAIN SIGNAL LINE



SCHEMATIC DIAGRAM - 18

C MAIN CIRCUIT

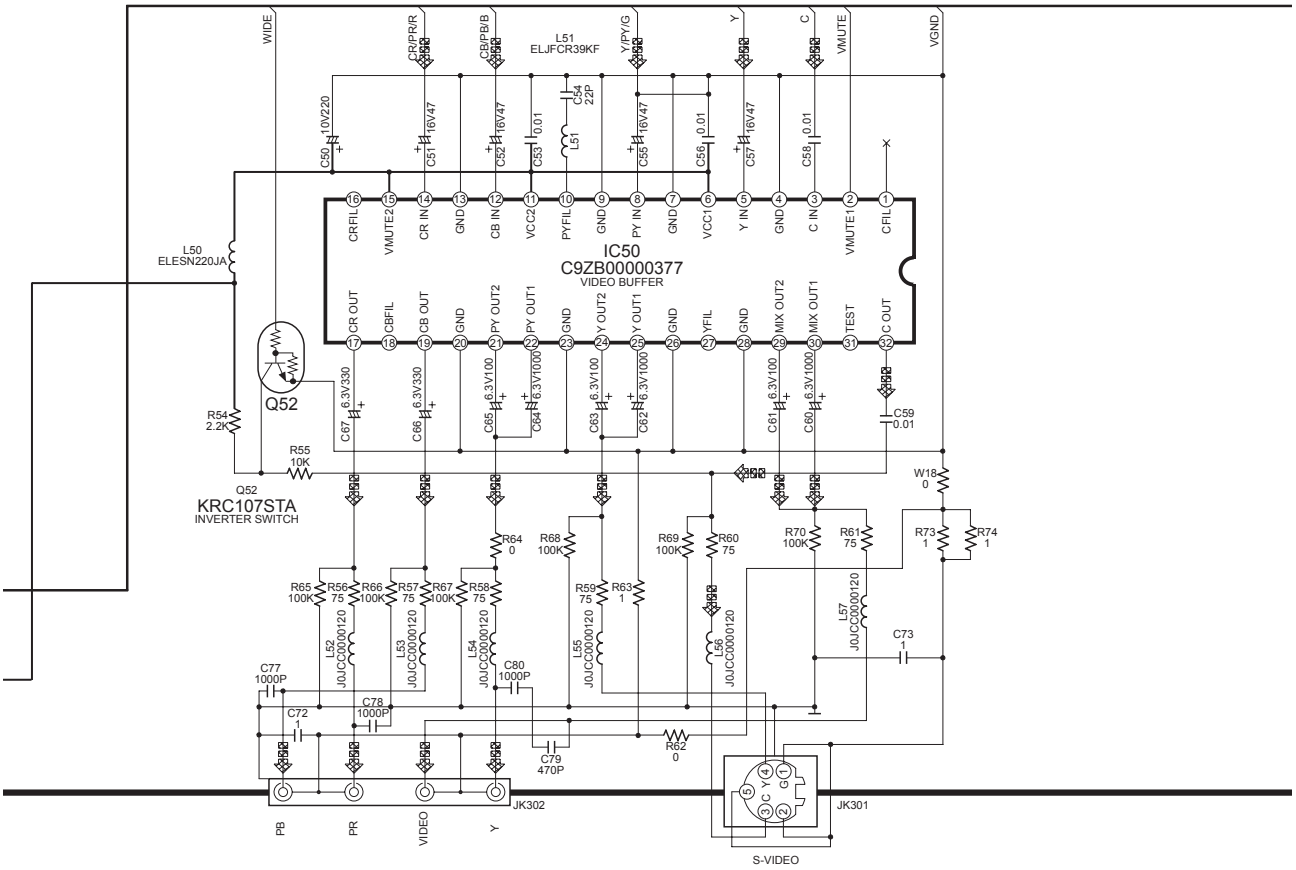
– – – : -B SIGNAL LINE
——— : +B SIGNAL LINE
: DVD (VIDEO) SIGNAL LINE
: MAIN SIGNAL LINE



SCHEMATIC DIAGRAM - 19

C MAIN CIRCUIT

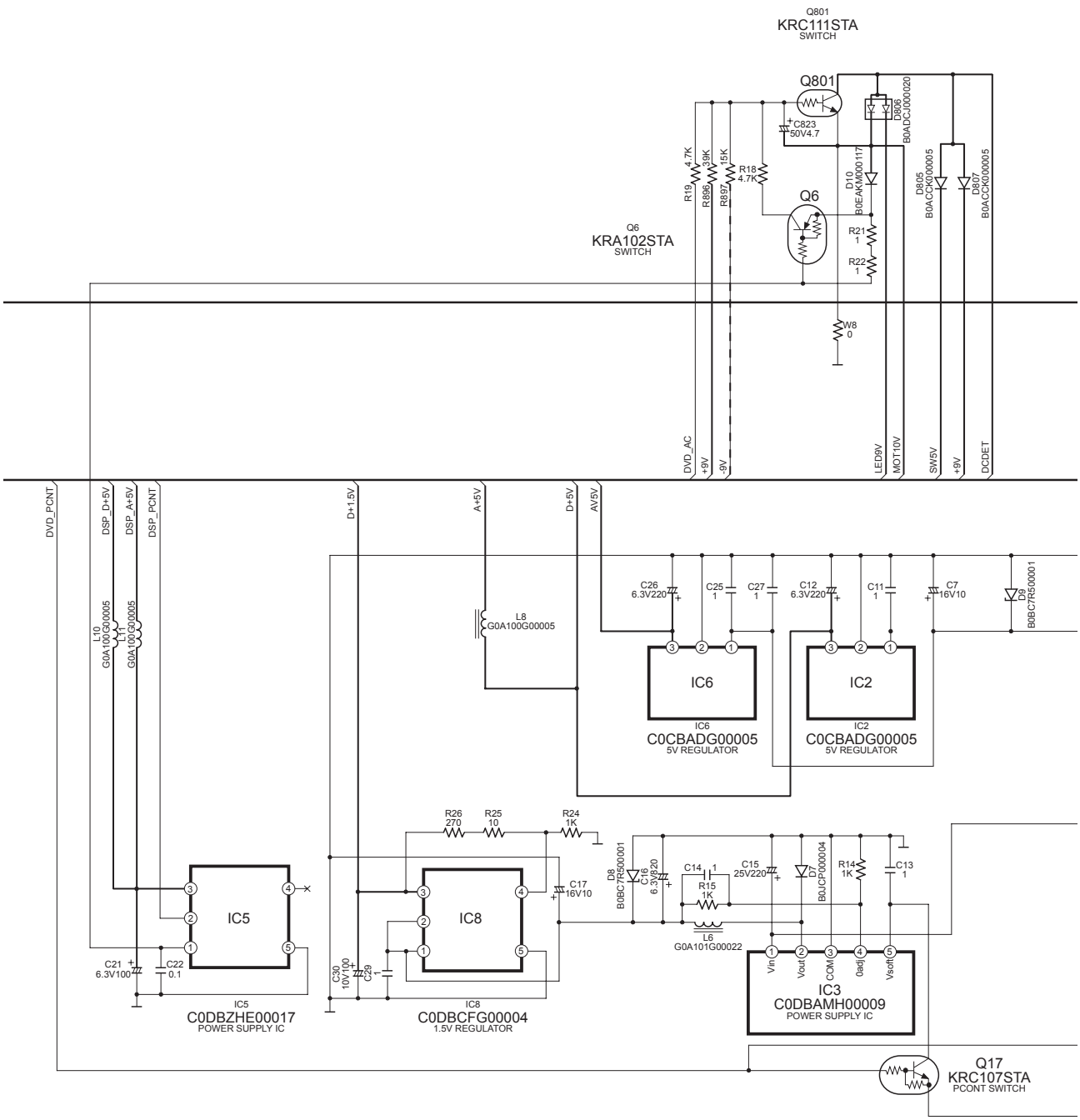
——— : +B SIGNAL LINE : DVD (VIDEO) SIGNAL LINE



SCHEMATIC DIAGRAM - 20

C MAIN CIRCUIT

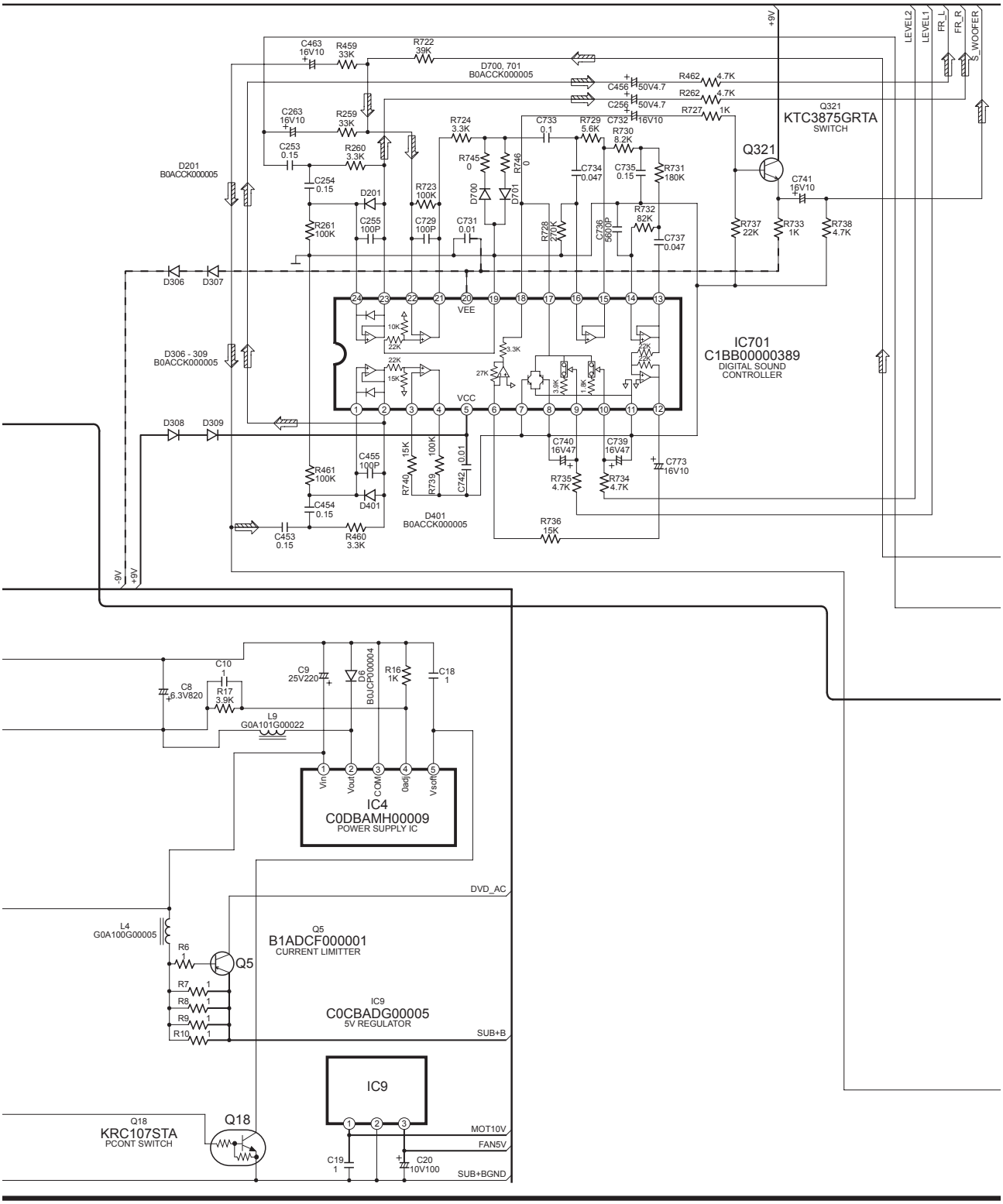
– – – : -B SIGNAL LINE
——— : +B SIGNAL LINE



SCHEMATIC DIAGRAM - 21

C MAIN CIRCUIT

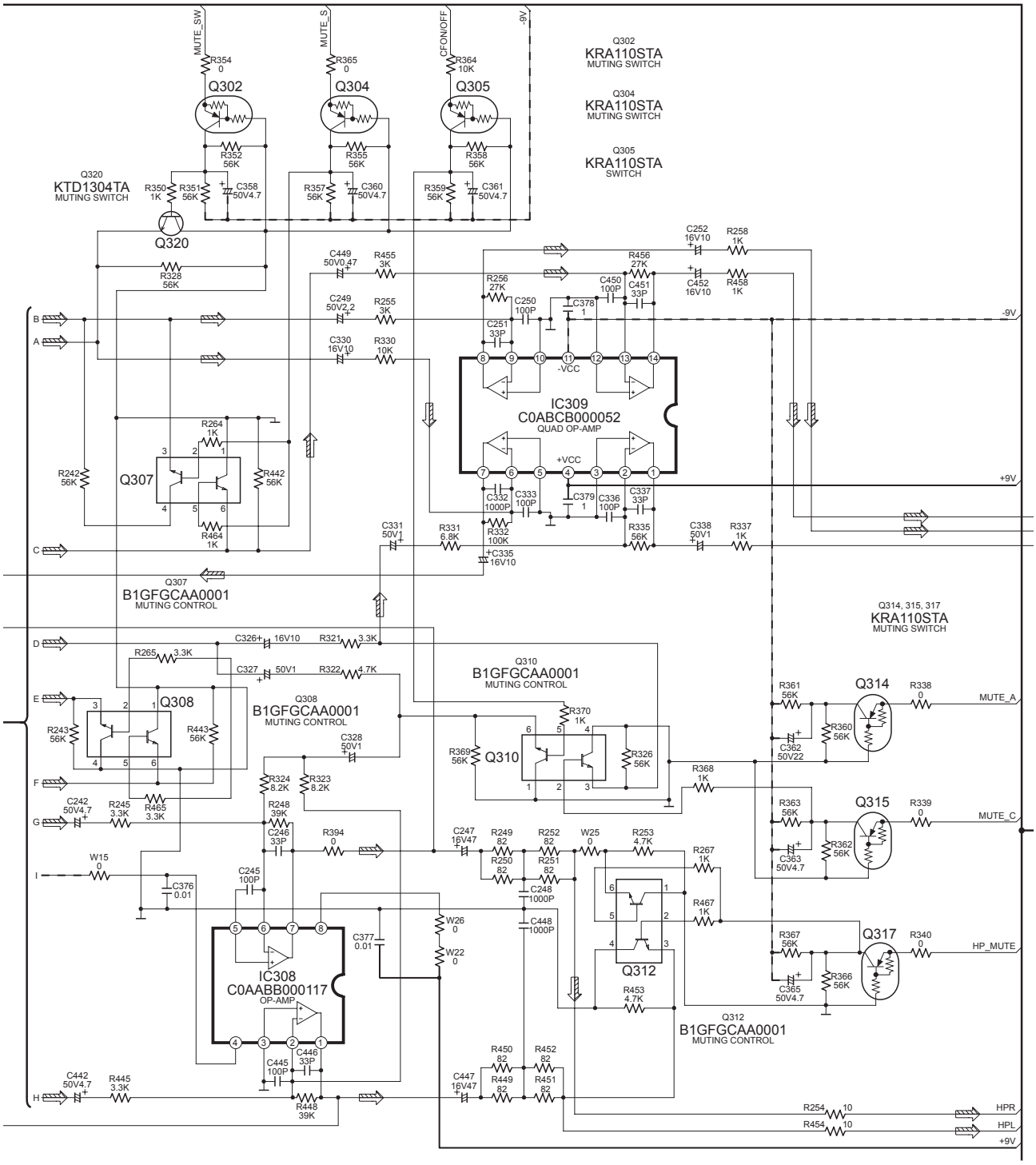
– – – : -B SIGNAL LINE
——— : +B SIGNAL LINE
⇨ : MAIN SIGNAL LINE



SCHEMATIC DIAGRAM - 22

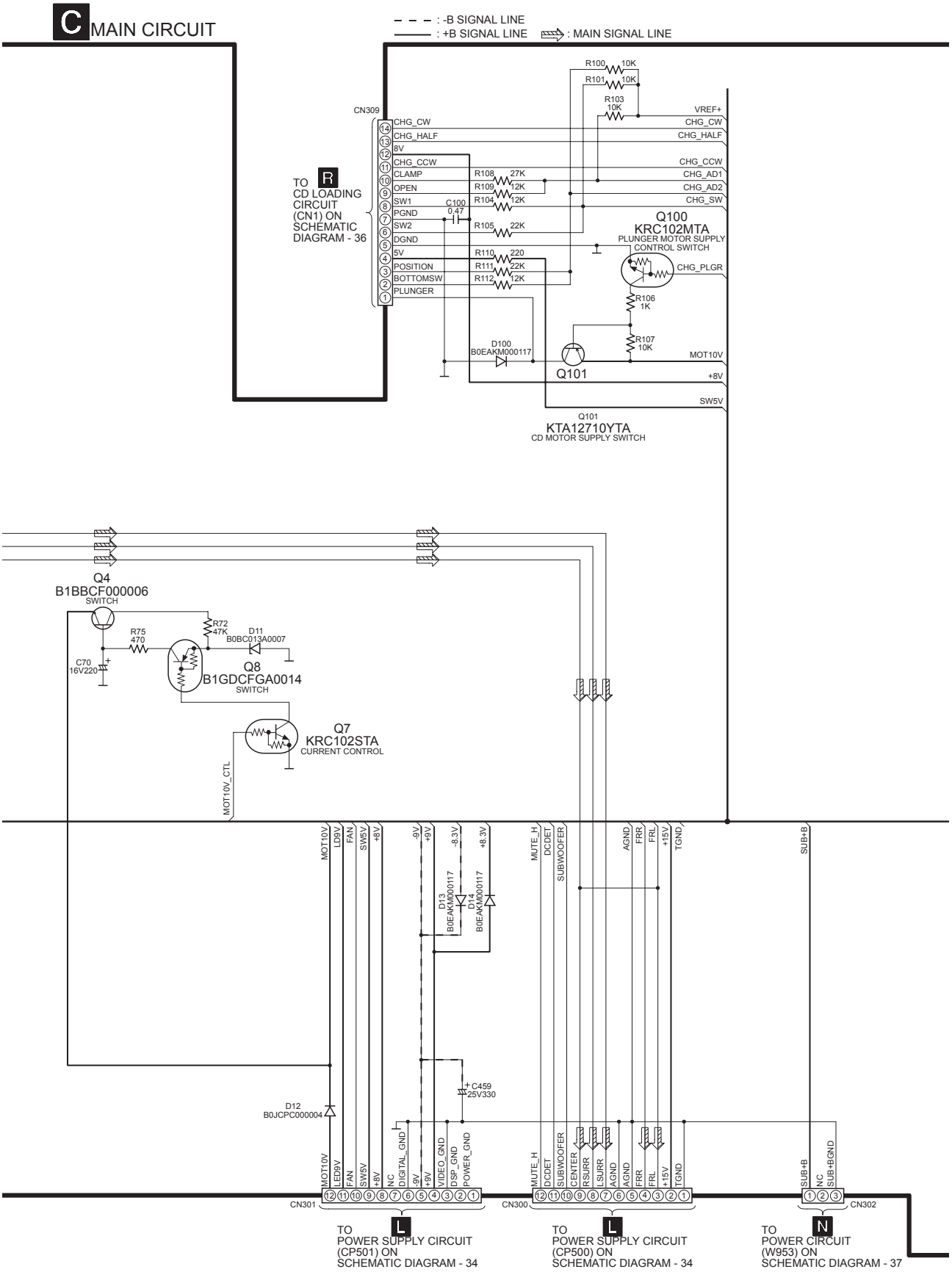
C MAIN CIRCUIT

– – – : -B SIGNAL LINE
——— : +B SIGNAL LINE
⇨ : MAIN SIGNAL LINE



SCHEMATIC DIAGRAM - 23

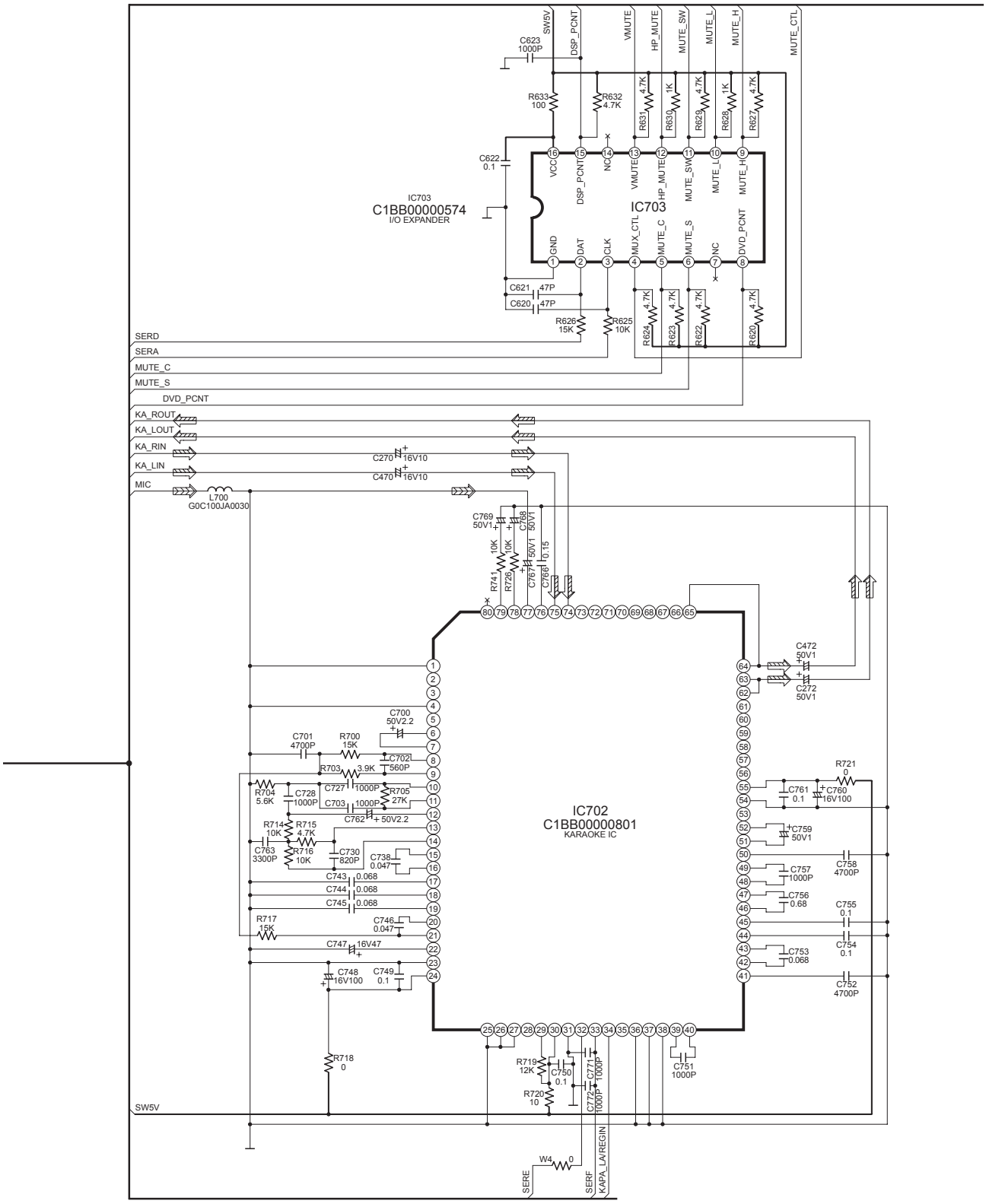
C MAIN CIRCUIT



SCHEMATIC DIAGRAM - 24

C MAIN CIRCUIT

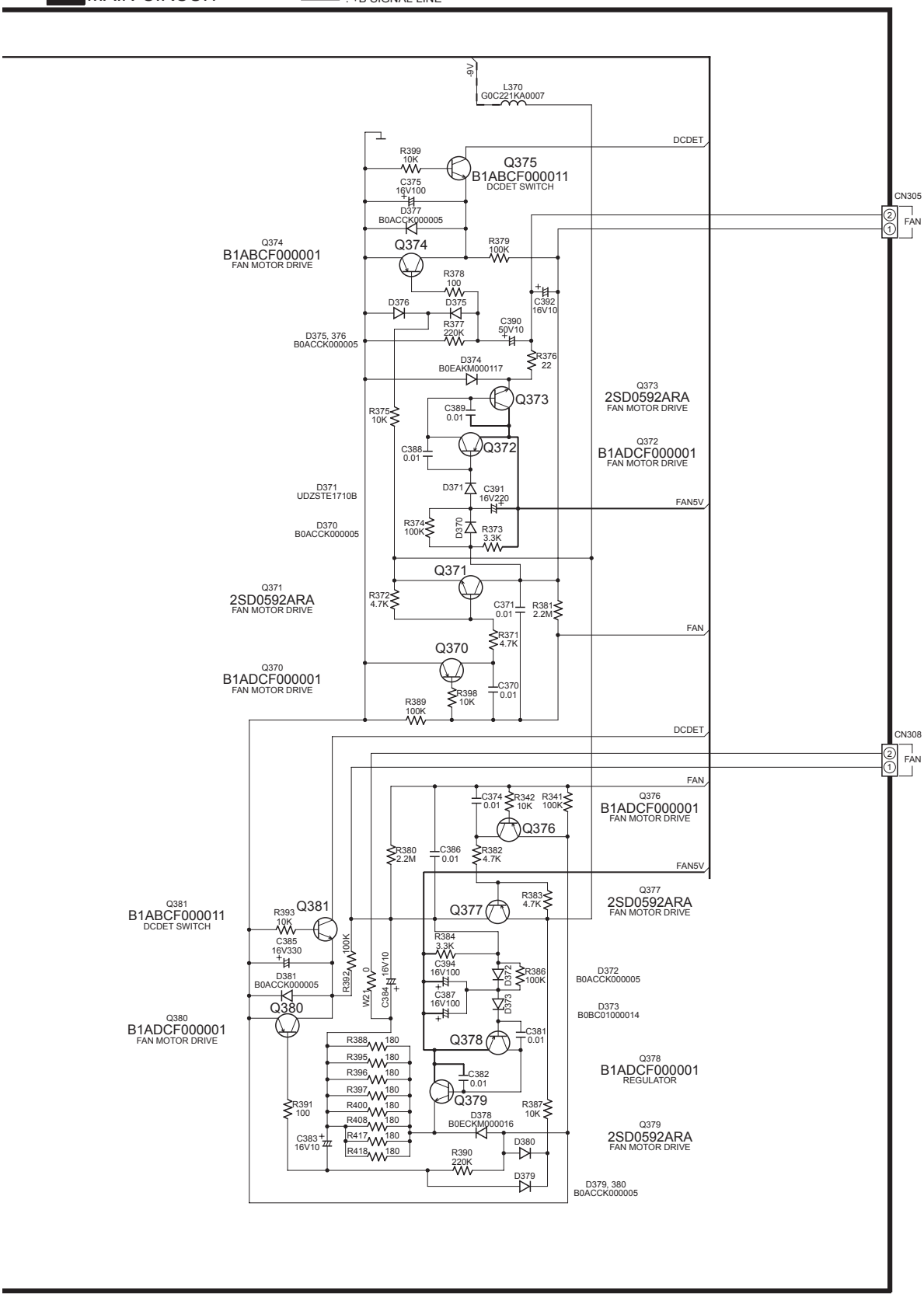
: +B SIGNAL LINE
: MIC SIGNAL LINE
: MAIN SIGNAL LINE



SCHEMATIC DIAGRAM - 25

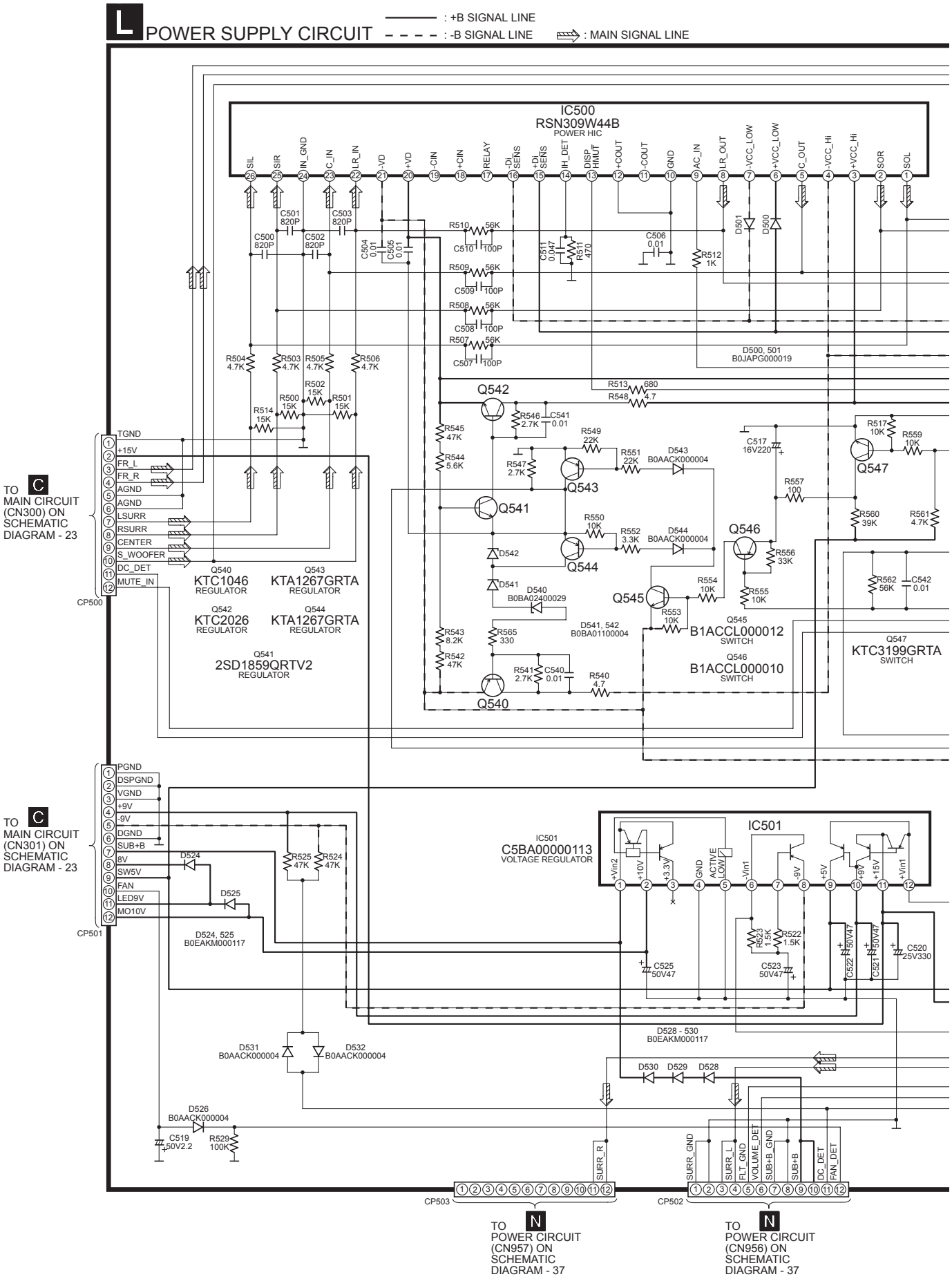
C MAIN CIRCUIT

– – – : -B SIGNAL LINE
——— : +B SIGNAL LINE



Note: With reference to pg 107 to pg 111 (Schematic Diagram -34 to 39) of original Service manual for SA-VK80DGC/GCS/GCP-S/K.

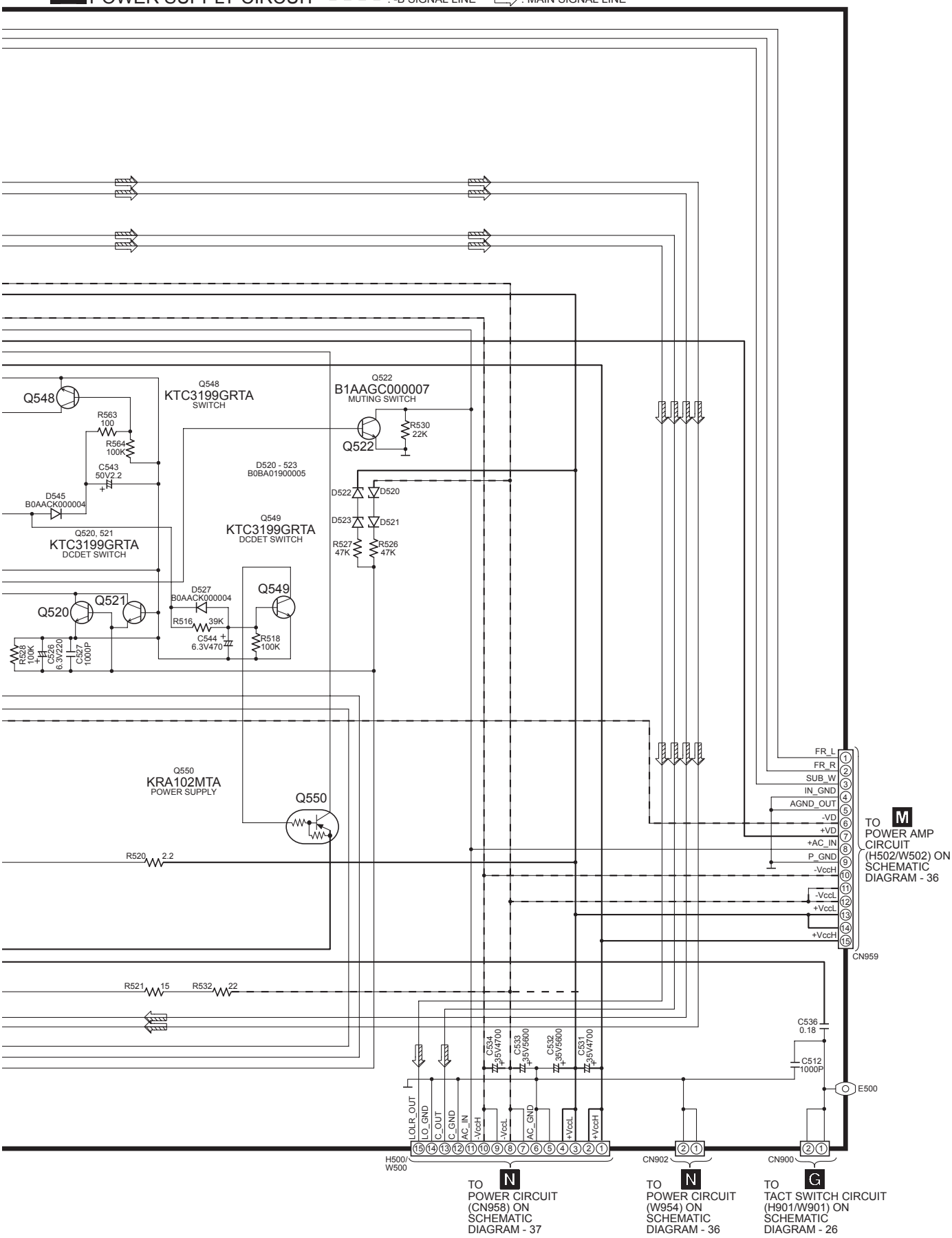
SCHEMATIC DIAGRAM - 34



SCHEMATIC DIAGRAM - 35

L POWER SUPPLY CIRCUIT

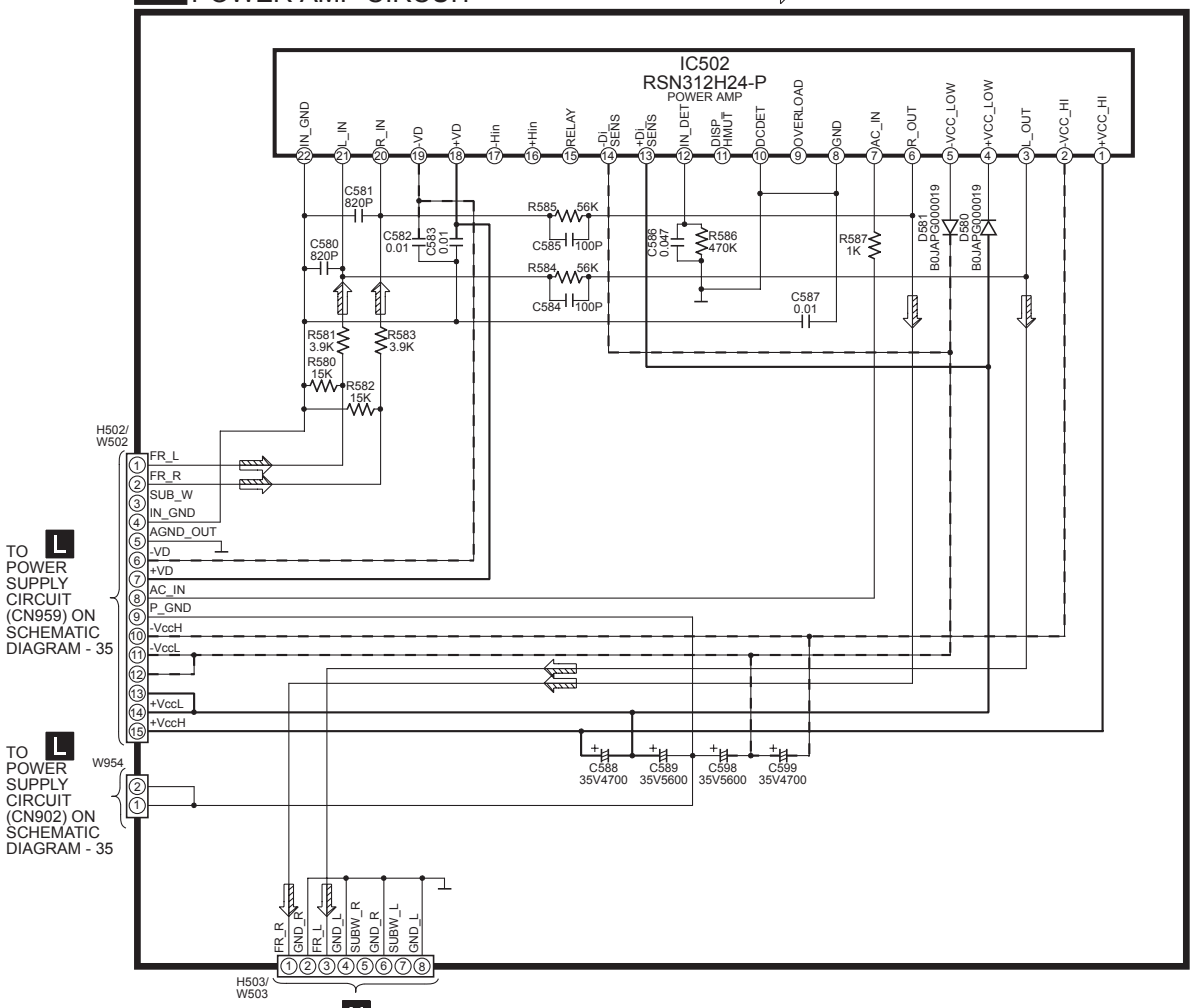
: +B SIGNAL LINE
: -B SIGNAL LINE
: MAIN SIGNAL LINE

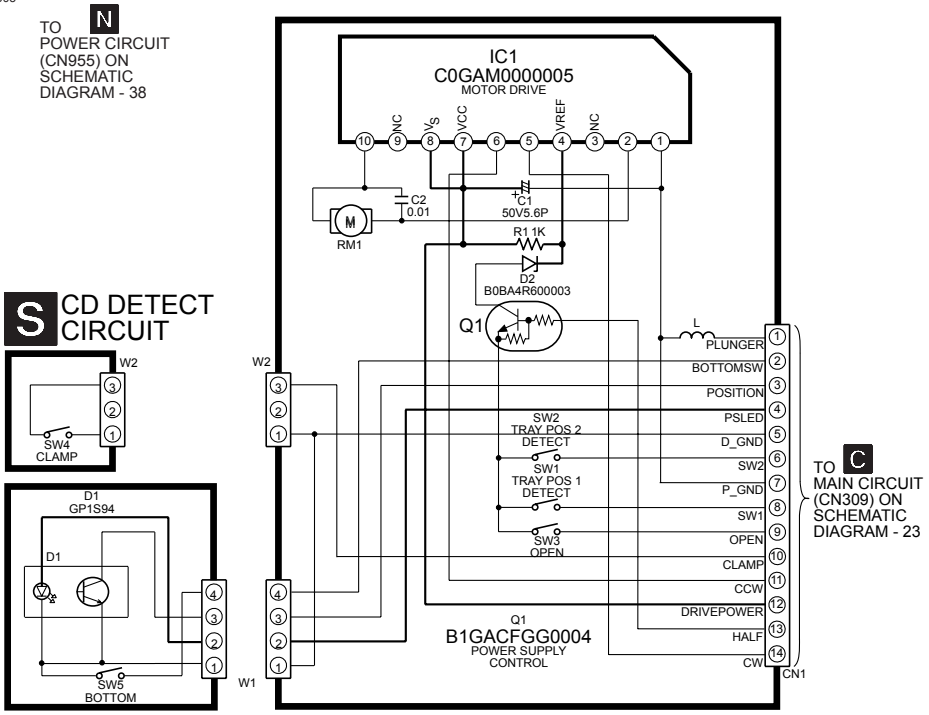


SCHEMATIC DIAGRAM - 36

M POWER AMP CIRCUIT

——— : +B SIGNAL LINE
– – – – : -B SIGNAL LINE
⇨ : MAIN SIGNAL LINE

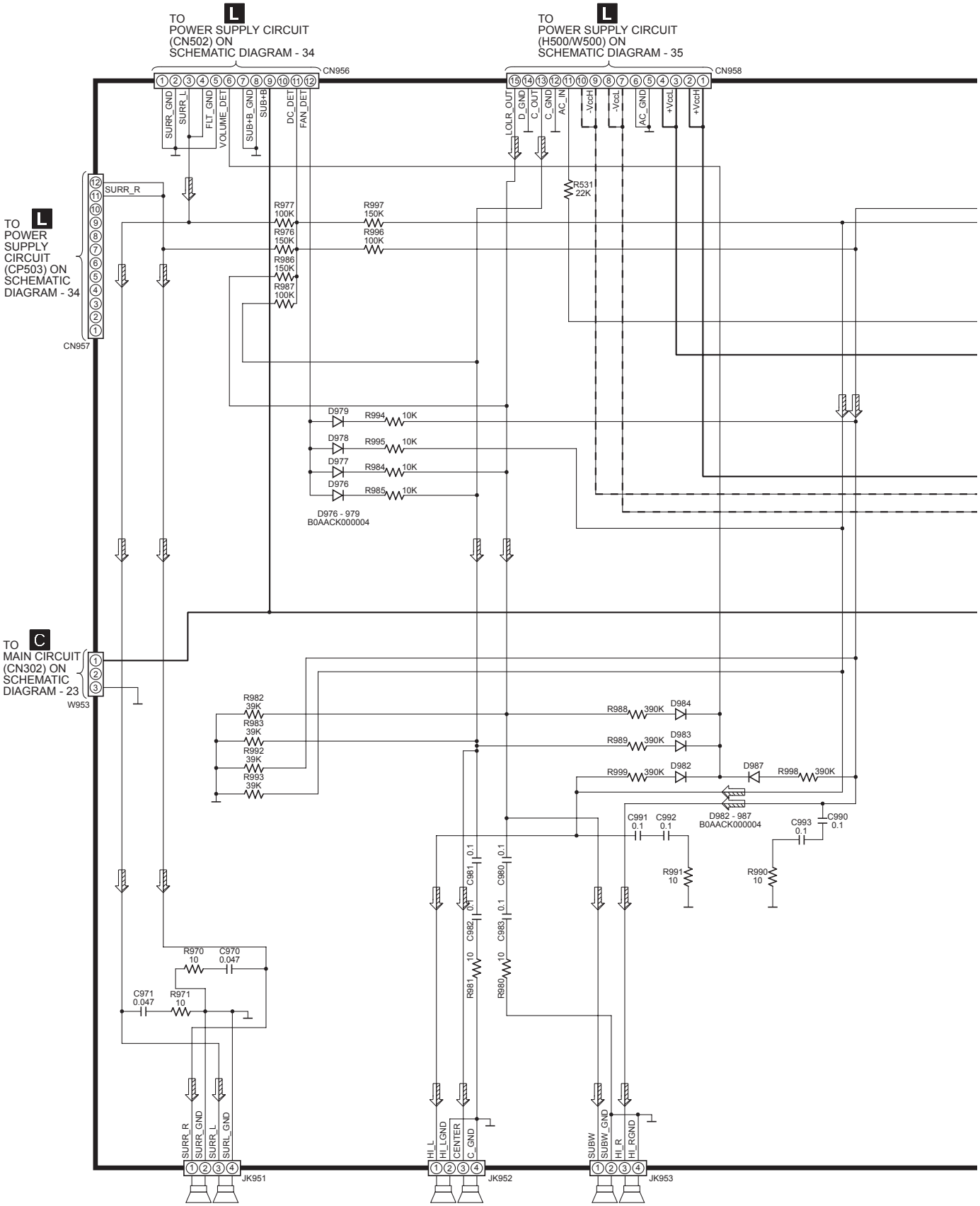




SCHEMATIC DIAGRAM - 37

N POWER CIRCUIT

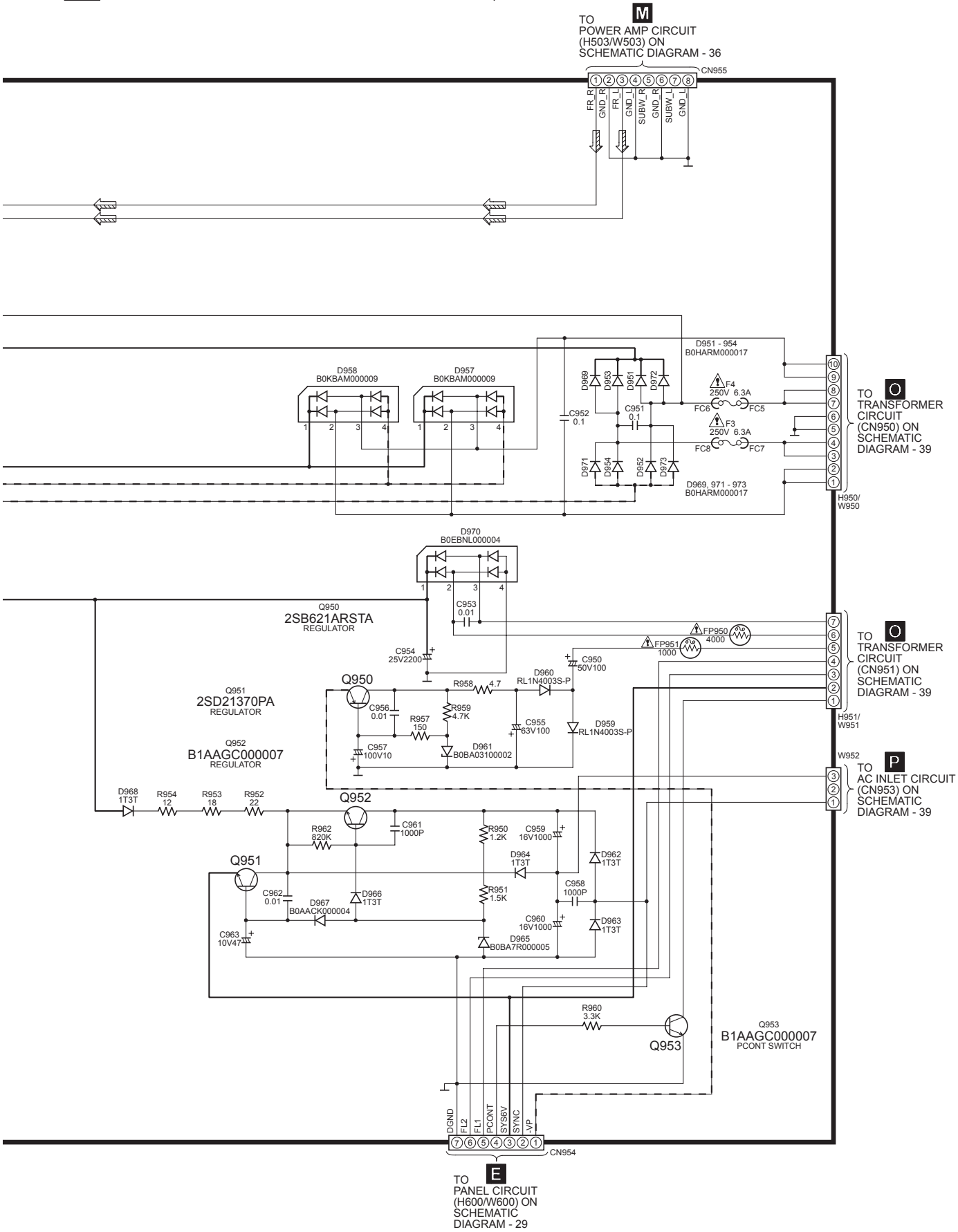
: +B SIGNAL LINE
: -B SIGNAL LINE
: MAIN SIGNAL LINE



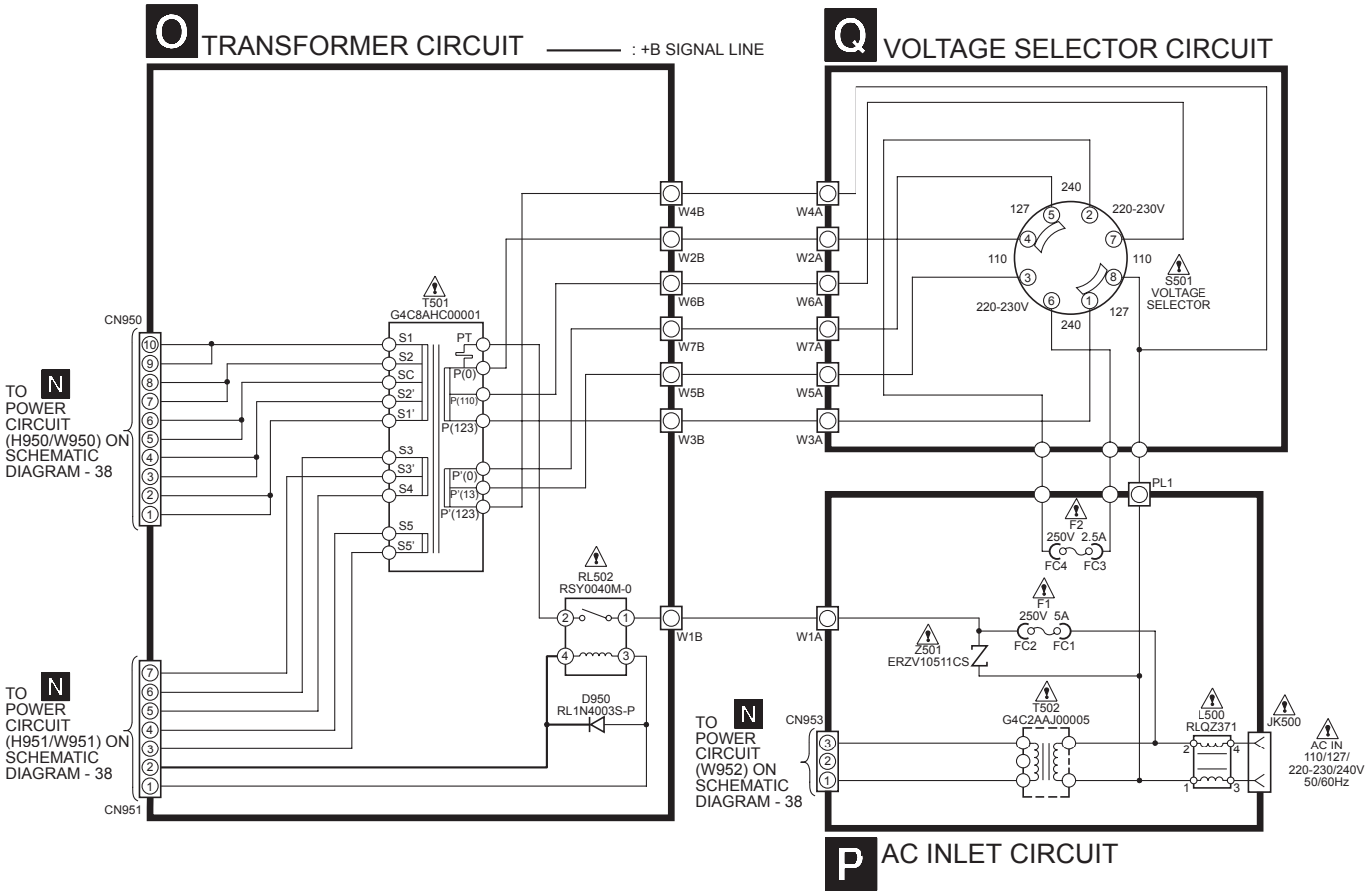
SCHEMATIC DIAGRAM - 38

N POWER CIRCUIT

: +B SIGNAL LINE
: -B SIGNAL LINE
: MAIN SIGNAL LINE

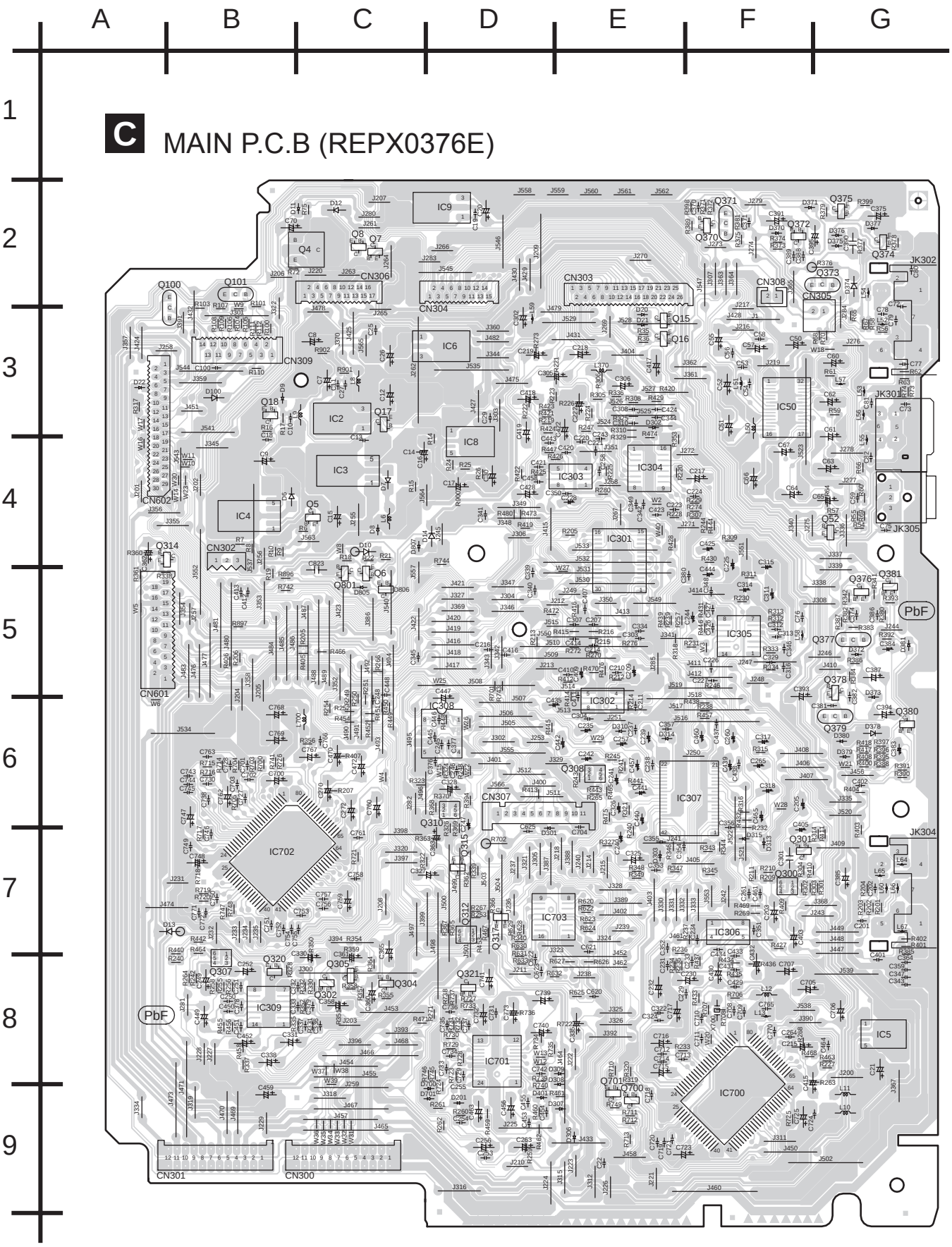


SCHEMATIC DIAGRAM - 39

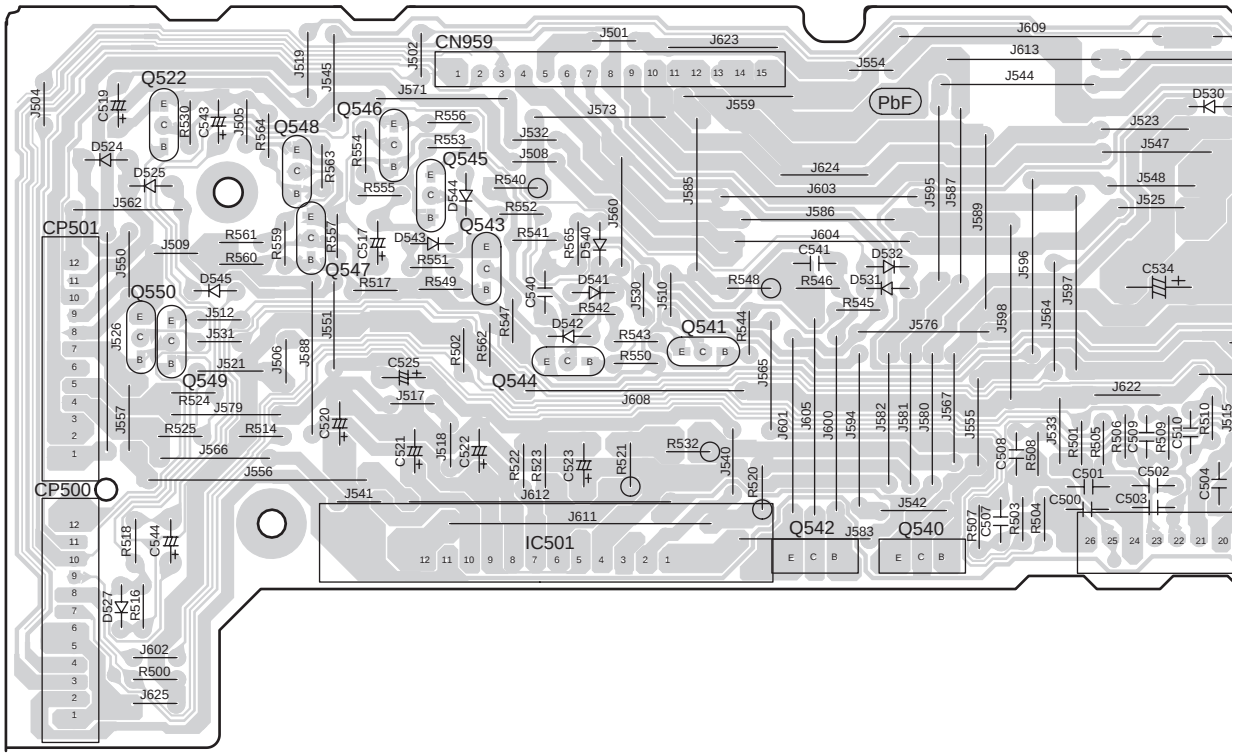


3 Printed Circuit Board (Updating)

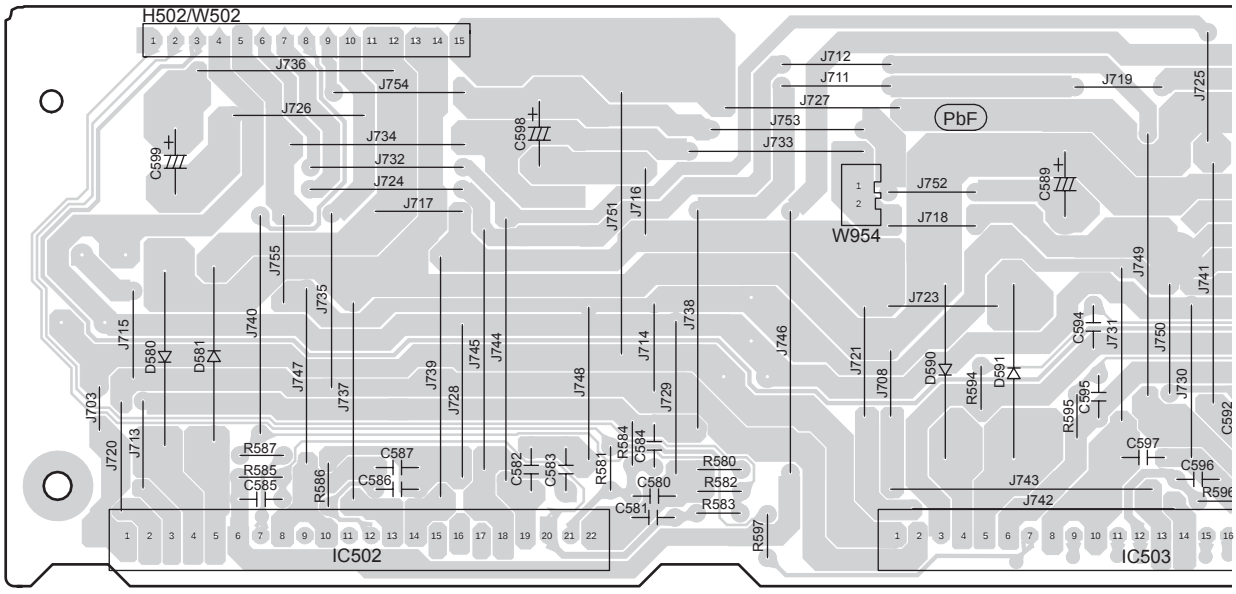
Note: With reference to pg 118 to 119 (MAIN P.C.B) & pg 125 to 129 (POWER SUPPLY / POWER AMP / POWER P.C.B) of original Service manual for SA-VK80DGC/GCS/GCP-S/K.

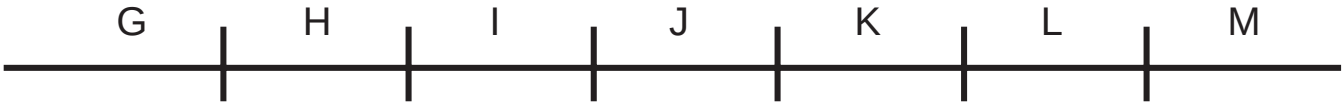


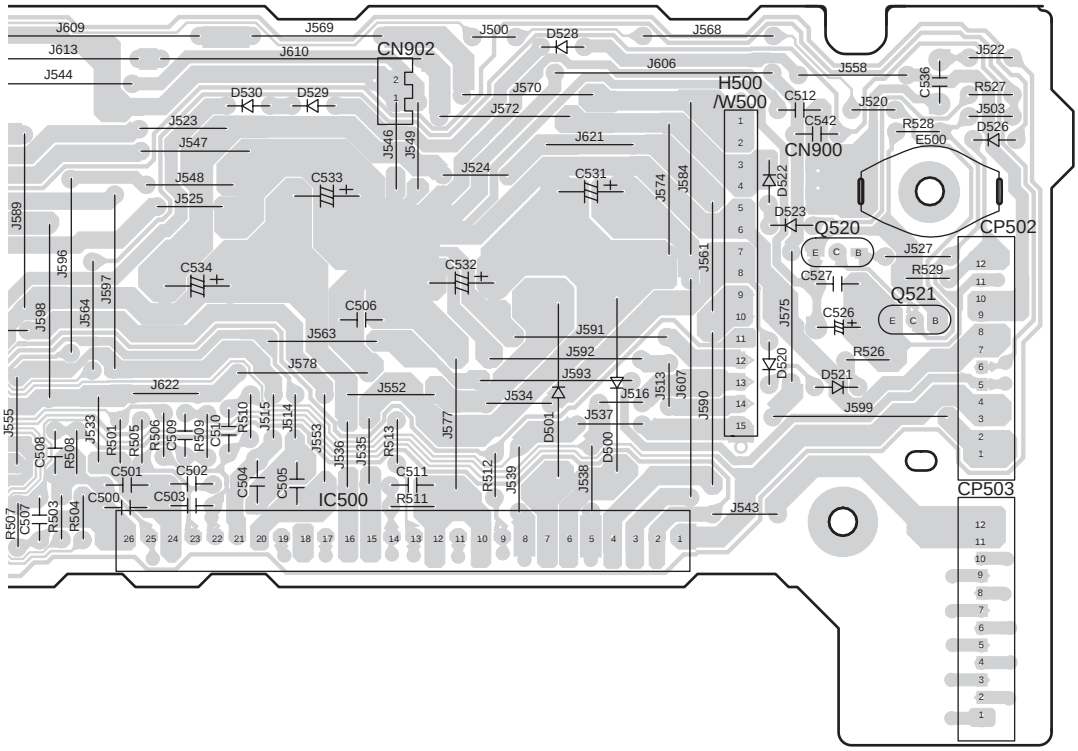
L POWER SUPPLY P.C.B (REPX0377B)

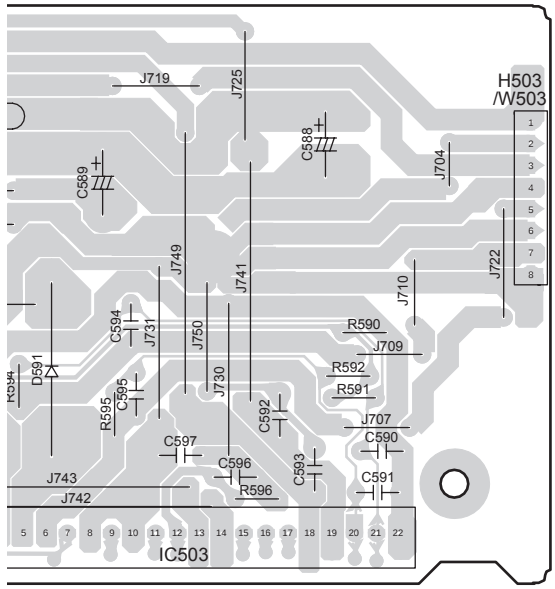


M POWER AMP P.C.B (REPX0377B)

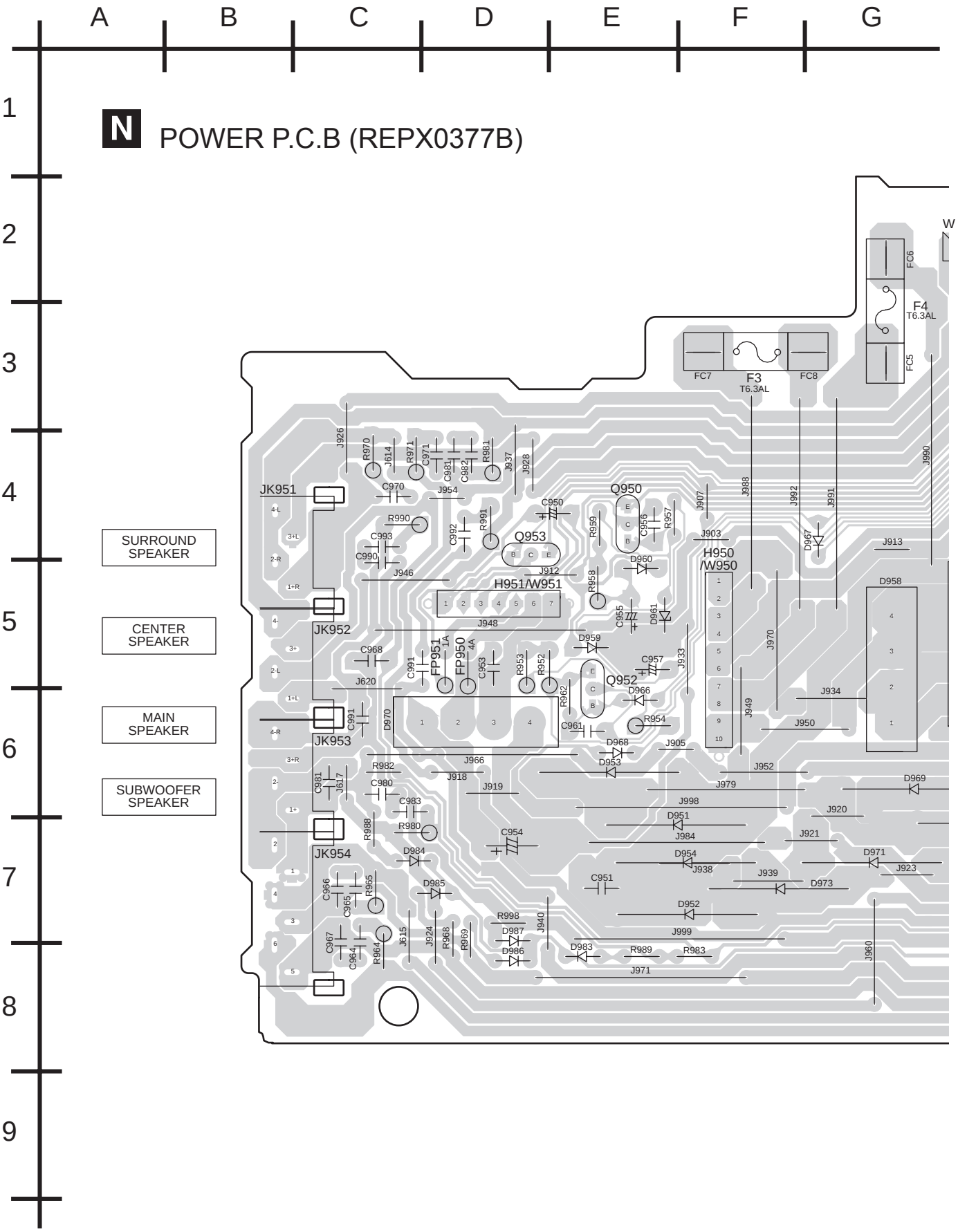


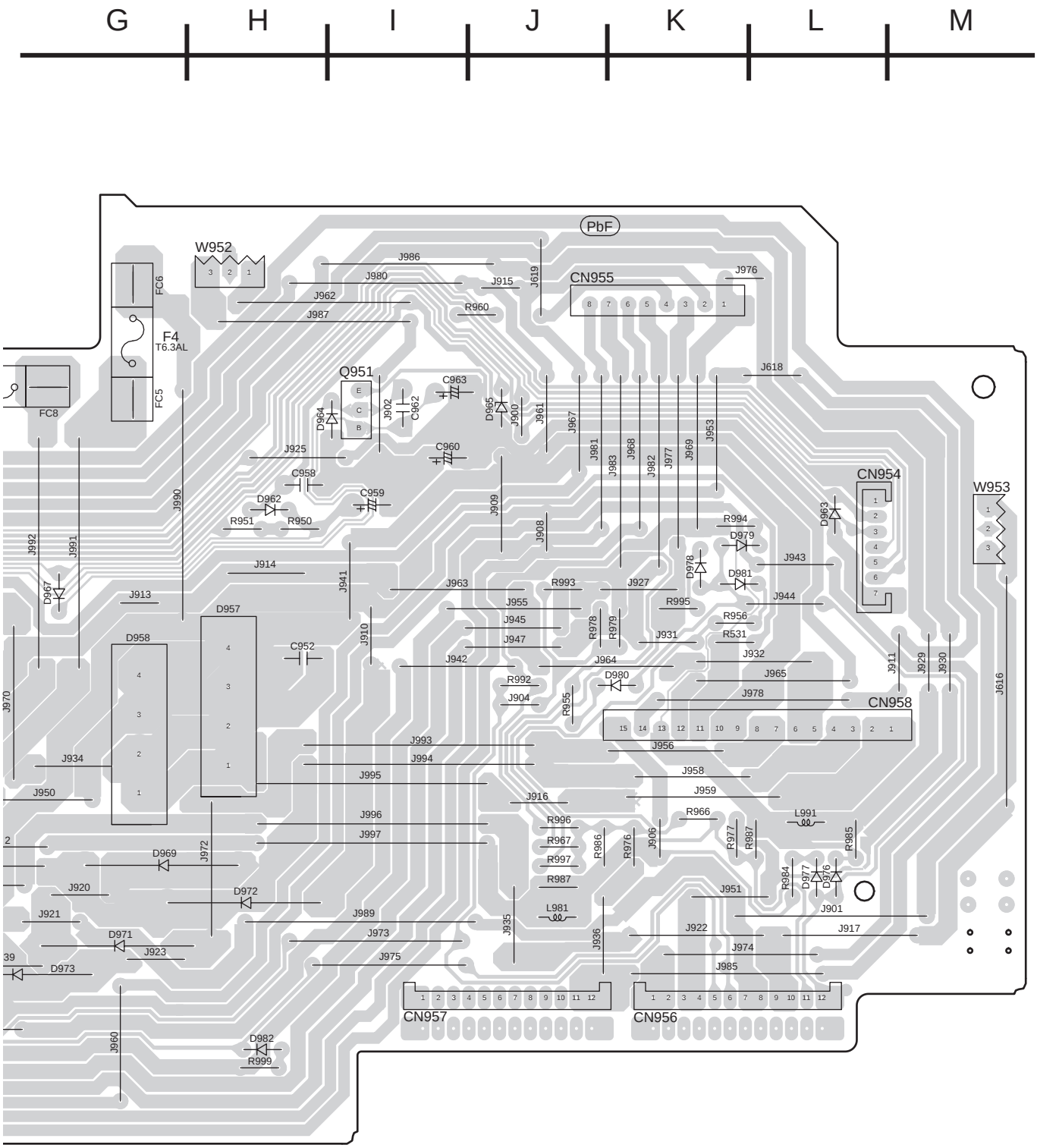

G
H
I
J
K
L
M


CN902
H500
/W500
CN900
Q520
Q521
CP502
CP503
IC500


H503
/W503
IC503

N POWER P.C.B (REPX0377B)




G
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PbF
W952
CN955
F4
T6.3AL
FC6
FC5
FC8
Q951
CN954
W953
CN958
CN957
CN956
D957
D958

4 Parts List (Correction)

Note: With reference to pg 144 to 159 (Section 25-4) of original service manual. The below mentioned parts is updated for the partlist.(for later production)

Model No.	Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Remarks
SA-VK80DGC/GCS-S,	C70	--	ECEA1CKA221B	CAPACITOR, 220P 16V	ADD [M]
SA-VK80DGCP/GCS-K	C216	--	ECJ1VBA105K	CAPACITOR, 1 25V	ADD [M]
	C362	ECEA0JKA101B	ECEA1HKA220B	CAPACITOR, 22P 50V	CHANGE [M]
	C390	RCE1HKN100BG	F2J1H100A048	CAPACITOR, 10P 50V	CHANGE [M]
	C416	--	ECJ1VB1A105K	CAPACITOR, 1 25V	ADD [M]
	C459	--	ECA1EM331B	CAPACITOR, 330P 25V	ADD [M]
	C623	ECBT1H331KB5	ECJ1VB1H102K	CAPACITOR, 25V 1000P	CHANGE [M]
	C764	--	ECEA1EK1330B	CAPACITOR, 33P 25V	ADD [M]
	C771	--	ECJ1VB1H102K	CAPACITOR, 1000P 25V	ADD [M]
	C772	--	ECJ1VB1H102K	CAPACITOR, 1000P 25V	ADD [M]
	C958	ECKR1H103ZF5	ECKR1H102ZF5	CAPACITOR, 1000P 50V	CHANGE [M]
	D11	--	B0BC013A0007	DIODE	ADD [M]
	D12	--	B0JCPC000004	DIODE	ADD [M]
	D13	--	B0EAKM000117	DIODE	ADD [M]
	D14	--	B0EAKM000117	DIODE	ADD [M]
	D311	B0ACCK000005	--	DIODE	DELETE [M]
	D373	UDZSTE1710B	B0BC01000014	DIODE	CHANGE [M]
	D531	--	B0AACK000004	DIODE	ADD [M]
	D532	--	B0AACK000004	DIODE	ADD [M]
	D540	--	B0BA02400029	DIODE	ADD [M]
	IC5	C0DBZHE00011	C0DBZHE00017	IC POWER SUPPLY	CHANGE [M]
	IC7	C0CBADG00005	--	IC VOLTAGE REGULATOR	DELETE [M]
	IC305	C0ABCB000040	C0ABCB000052	IC QUAD OP-AMP	CHANGE [M]
	IC308	C0AABB000085	C0AABB000117	IC OP-AMP	CHANGE [M]
	IC309	C0ABCB000040	C0ABCB000052	IC QUAD OP-AMP	CHANGE [M]
	IC501	C5AB00000105	C5AB00000113	IC VOLTAGE REGULATOR	CHANGE [M]
	L7	G0A100G00005	--	INDUCTOR	DELETE [M]
	L61	J0JBC0000019	--	INDUCTOR	DELETE [M]
	L64	--	J0JBC0000041	INDUCTOR	ADD [M]
	L65	--	J0JBC0000041	INDUCTOR	ADD [M]
	L66	--	J0JBC0000041	INDUCTOR	ADD [M]
	L67	--	J0JBC0000041	INDUCTOR	ADD [M]
	L700	--	G0C100JA0030	INDUCTOR	ADD [M]
	Q4	2SC2787FL1TA	B1BBCF000006	TRANSISTOR	CHANGE [M]
	Q8	--	B1GDCFGA0014	TRANSISTOR	ADD [M]
	Q700	--	B1GDCFGG0021	TRANSISTOR	ADD [M]
	Q701	--	B1GBCFGG0023	TRANSISTOR	ADD [M]
	R24	--	ERJ3GEYJ102V	RESISTOR, 1K 1/16W	ADD [M]
	R25	--	ERJ3GEYJ100V	RESISTOR, 10 1/16W	ADD [M]
	R26	--	ERJ3GEYJ271V	RESISTOR, 270 1/16W	ADD [M]
	R62	D0GB1R0JA002	ERJ3GEY0R00V	RESISTOR, 0 1/16W	CHANGE [M]
	R72	ERJ3GEYJ103V	ERJ3GEYJ472V	RESISTOR, 4.7K 1/16W	CHANGE [M]
	R108	ERJ3GEYJ223V	ERJ3GEYJ273V	RESISTOR, 27K 1/16W	CHANGE [M]
	R240	D0GB152JA002	ERJ3GEYJ271V	RESISTOR, 270 1/16W	CHANGE [M]
	R255	ERJ3GEYJ182V	ERJ3GEYJ302V	RESISTOR, 3K 1/16W	CHANGE [M]
	R268	ERJ3GEYJ102V	ERJ3GEYJ681V	RESISTOR, 680 1/16W	CHANGE [M]
	R276	--	ERJ3GEYJ473V	RESISTOR, 47K 1/16W	ADD [M]
	R280	--	ERJ3GEYJ104V	RESISTOR, 100K 1/16W	ADD [M]
	R317	ERJ3GEYJ103V	ERJ3GEYJ562V	RESISTOR, 5.6K 1/16W	CHANGE [M]
	R385	ERJ3GEY0R00V	ERJ3GEYJ2R2V	RESISTOR, 2.2 1/16W	CHANGE [M]
	R440	D0GB152JA002	ERJ3GEYJ271V	RESISTOR, 270 1/16W	CHANGE [M]
	R455	ERJ3GEYJ182V	ERJ3GEYJ302V	RESISTOR, 3K 1/16W	CHANGE [M]
	R468	ERJ3GEYJ102V	ERJ3GEYJ681V	RESISTOR, 680 1/16W	CHANGE [M]
	R473	--	ERJ3GEYJ104V	RESISTOR, 100K 1/16W	ADD [M]
	R474	--	ERJ3GEYJ104V	RESISTOR, 100K 1/16W	ADD [M]
	R475	--	ERJ3GEY0R00V	RESISTOR, 0 1/16W	ADD [M]
	R476	--	ERJ3GEYJ473V	RESISTOR, 47K 1/16W	ADD [M]
	R477	ERJ3GEYJ104V	--	RESISTOR, 100K 1/16W	DELETE [M]
	R479	ERJ3GEYJ104V	--	RESISTOR, 100K 1/16W	DELETE [M]
	R521	ERDS1FVJ2R2T	ERDS1FVJ150T	RESISTOR, 2.2 1/2W	CHANGE [M]
	R532	--	ERG2SJ220E	RESISTOR, 22 1/2W	ADD [M]
	R749	--	ERJ3GEYJ103V	RESISTOR, 10K 1/16W	ADD [M]

Model No.	Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Remarks
	R976	ERDS2TJ184T	ERDS2TJ154T	RESISTOR, 150K 1/4W	CHANGE [M]
	R977	ERDS2TJ683T	ERDS2TJ104T	RESISTOR, 100K 1/4W	CHANGE [M]
	R986	ERDS2TJ394T	ERDS2TJ154T	RESISTOR, 150K 1/4W	CHANGE [M]
	R997	ERDS2TJ184T	ERDS2TJ154T	RESISTOR, 150K 1/4W	CHANGE [M]
	W16	--	ERJ3GEY0R00V	0 1/16W	ADD [M]
	W18	J0JBC0000041	ERJ3GEY0R00V	0 1/16W	CHANGE [M]
	W29	--	ERJ3GEY0R00V	0 1/16W	ADD [M]
	W40	--	ERJ3GEY0R00V	0 1/16W	ADD [M]

[M] indicates parts that are supplied by PAVCSG.

T.I No. 25613 / 25726 / 26674 / 25279 / 26873 / 25574 / 25282 / 26333 (For Factory Reference only).