

CASSETTE RECEIVER

KRC-11RA/RG

KRC-152LA/LG/LYA/LYG

KRC-159RA/RG/RYA/RYG

SERVICE MANUAL

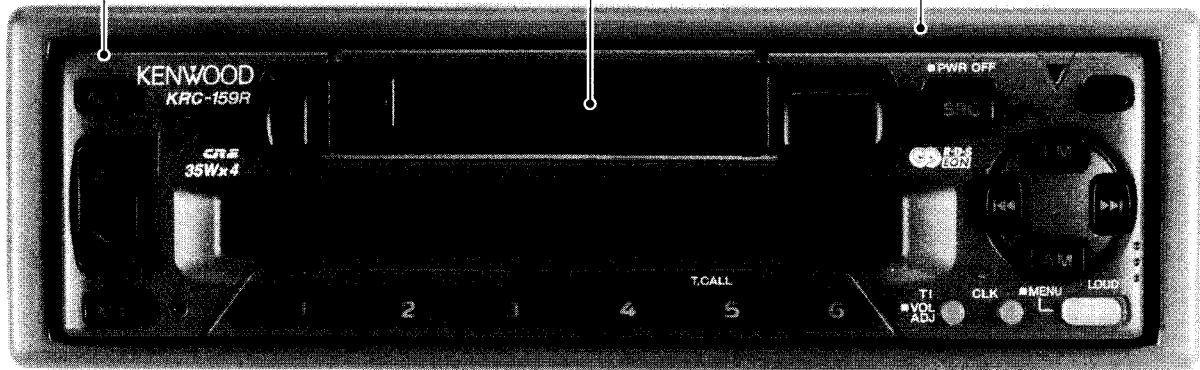
KENWOOD

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B51-7317-00 (K) 1799

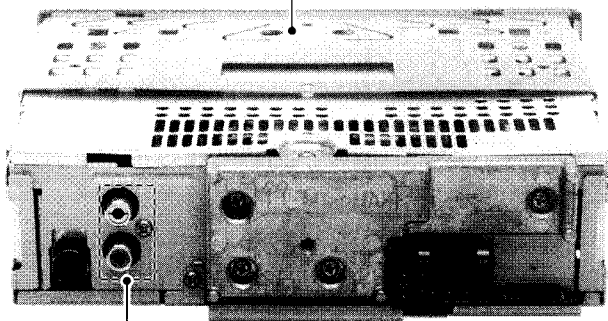
PANEL ASSY  
(A64-1221-02): KRC-11R  
(A64-1326-02): KRC-152L  
(A64-1220-02): KRC-159R

CASSETTE LID  
(A53-1638-03)

ESCUTCHEON  
(B07-2124-02)

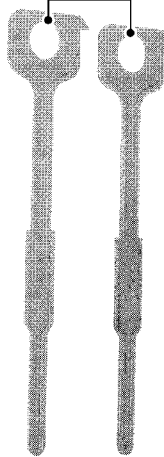


MOUNTING HARDWARE ASSY  
(J21-7907-03)

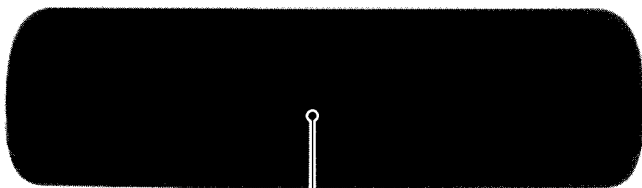
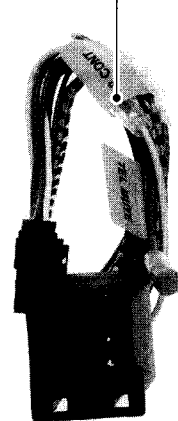


KRC-159R only

LEVER  
(D10-4197-04)x2



DC CORD  
(E30-4612-05): KRC-11R  
(E30-4612-05): KRC-152L  
(E30-4611-05): KRC-159R



PLASTIC CABINET ASSY  
(A02-1466-13)

ANTENNA ADAPTOR  
(T90-0512-05)

SEMS  
(N09-1885-05)

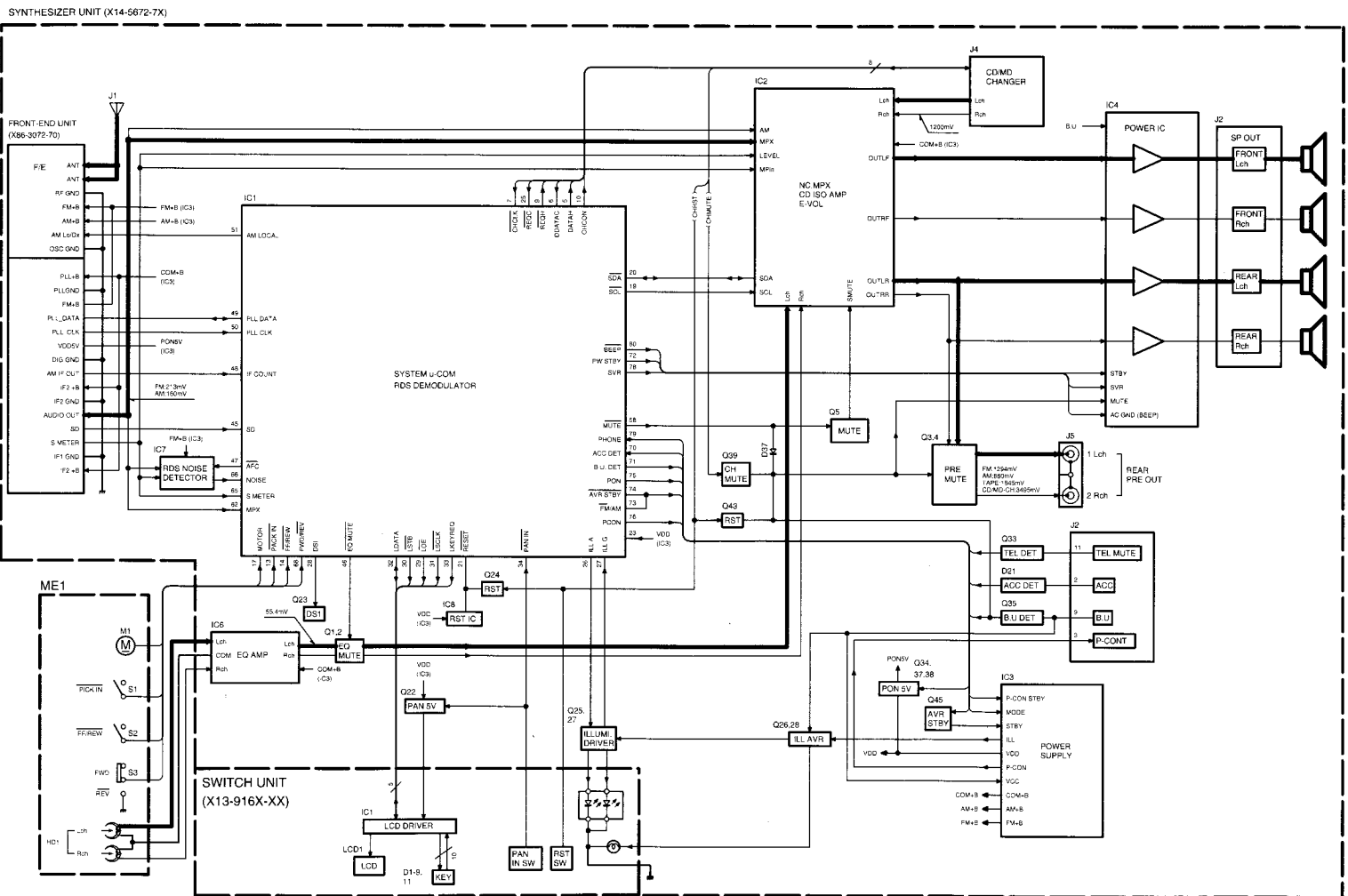
Photo is KRC-159R.

# KRC-11R, 152L, 159R

## CONTENTS / BLOCK DIAGRAM

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## BLOCK DIAGRAM



KRC-11R/152L/159R(E)

# KRC-11R, 152L, 159R

## COMPONENT DESCRIPTION

### SYNTHESIZER UNIT (X14-567x-xx)

REF. No.	FUNCTION	OPERATION
IC1	SYSTEM u-COM / RDS DEMODULATOR	–
IC2	ELECTRONIC VOLUME	E-vol, Bass / Tre / BAL / FAD, NC / MPX, CH-ISO.
IC3	POWER SUPPLY	–
IC4	4-CH POWER AMP (HI / LOW)	–
IC6	EQ AMP.	–
IC7	RDS NOISE DETECTION AMP.	–
IC8	RESET IC	–
Q1, 2	MUTING SW	Controlled by u-COM (Pin 46).
Q3, 4	MUTING SW	"ON" when Q41 is turned on.
Q5	MUTING SW	"ON" when Q42 is turned on.
Q19	NOISE BUFFER	–
Q20	PIAFC SW	Controlled by Q21.
Q21	PIAFC SW	Turned on by u-COM (Pin 47).
Q22	PANEL 5V DRIVER	"ON" when panel is attached.
Q23	DSI DRIVER	Controlled by u-COM (Pin 28).
Q24	RESET SW	"ON" when Reset SW is pushed.
Q25	ILLUMINATION-AMBER SW	Turned on by u-COM (Pin 26).
Q26	ILLUMINATION-AMBER DRIVER	"ON" when Q25 is turned on.
Q27	ILLUMINATION-GREEN SW	Turned on by u-COM (Pin 27).
Q28	ILLUMINATION-GREEN DRIVER	"ON" when Q28 is turned on.
Q29, 30	ILLUMINATION AVR	Turned on by Power supply IC (Pin 4).
Q31	MOTOR SW	Turned on by u-COM (Pin 17).
Q32	MOTOR DRIVER	"ON" when Q31 is turned on.
Q33	TEL MUTE DETECTOR	–
Q34	P. ON 5V DRIVER	"ON" when Q37 is turned on.
Q35	BACK-UP DETECTOR	"ON" when back-up voltage is detected.
Q36	BACK-UP 5V DRIVER	Turned on by Power supply IC (Pin 5).
Q37	P. ON 5V SW	Turned on by u-COM (Pin 75).
Q38	P. ON 5V DRIVER	"ON" when Q37 is turned on.
Q39	MUTING SW	Controlled by CD-CH.
Q40	MUTING SW	"ON" when Q35 is turned on.
Q41	MUTING SW	Controlled by Q39 or Q40 or Q43.
Q42	MUTING SW	Controlled by u-COM (Pin 58), Q39 or Q40 or Q43.
Q43	MUTING SW	"ON" when Reset SW is pushed.
Q44	BEEP SW	Controlled by u-COM (Pin 80).
Q45	STANDBY CONTROLLER	"ON" when power is "OFF".
Q46	SVR SW	Controlled by u-COM (Pin 78).
Q103	FM COMPOSITE BUFFER	–

### SWITCH UNIT (X13-916x-xx)

REF. No.	FUNCTION	OPERATION
IC1	LCD DRIVER with KEY INPUT	–

# KRC-11R, 152L, 159R

## CIRCUIT DESCRIPTION

### (X14-) IC1 : SYSTEM u-COM

PORT No.	PORT NAME	I/O	MODE	FUNCTION
1	GNDP	-	-	-
2	VDDP	-	-	-
3	OSCOU	O	-	-
4	OSCIN	I	-	-
5	DATAH	O	Changer	5-LINE COMMUNICATION Serial data by head unit.
6	DATAC	I	Changer	5-LINE COMMUNICATION Serial data by changer.
7	CHCLK	I	Changer	5-LINE COMMUNICATION Serial clock by changer.
8	GND	-	-	-
9	REQH	O	Changer	5-LINE COMMUNICATION Request by head unit.
10	CHCON	O	Changer	Changer on / off.
11, 12	-	-	-	-
13	T_PACKIN	I	Tape	Pack in detection.
14	T_FF/REW	I	Tape	FF/REW detection.
15, 16	-	-	-	-
17	T_MOTOR	O	Tape	Main motor on/off.
18	-	-	-	-
19	SCL	I/O	Audio	Audio I <sup>2</sup> C BUS clock.
20	SDA	I/O	Audio	Audio I <sup>2</sup> C BUS data.
21	RESET	I	-	-
22	GND	-	-	-
23	VDD	-	-	-
24	GND	-	-	-
25	REQC	I	Changer	5-LINE COMMUNICATION Request by changer.
26	ILL_AMB	O	Illumination	Amber on/off.
27	ILL_GRN	O	Illumination	Green on/off.
28	DSI	O	DSI	DSI on/off.
29	L_OE	O	LCD driver	Output enable.
30	L_STB	O	LCD driver	Data latch.
31	L_SCK	O	LCD driver	Serial clock.
32	L_DATA	I/O	LCD driver	Serial data.
33	L_KEYREQ	I	LCD driver	Key in request detection.
34	PANIN	I	Panel	Panel on/off detection.
35-37	-	-	-	-
38	IC2_ROFF	I	Initial set up	IC2 tuner audio roll-off.
39	IC2_NC	I	Initial set up	IC2 tuner audio noise cancellor.
40	IC2_CRSC	I	Initial set up	IC2 tuner audio CRSC.
41	GNDP	-	-	-
42	VDDP	-	-	-
43	AIN	I	-	-
44	ARS	I	-	-
45	SD	I	Tuner	Station Signal detection.
46	EQ_MUTE	O	Tape	Equalizer mute on/off.
47	AFC	O	Tuner	Fast tuning on/off.
48	AM_IF_COUNT	I	Tuner	AM IF count detect.
49	PLL_DATA	I/O	Tuner	Tuner I <sup>2</sup> C data.
50	PLL_CLK	O	Tuner	Tuner I <sup>2</sup> C clock.
51	AM_LOCAL	O	Tuner	AM local seek on/off.
52	-	-	-	-

# KRC-11R, 152L, 159R

## CIRCUIT DESCRIPTION

### (X14-) IC1 : SYSTEM u-COM

PORT No.	PORT NAME	I/O	MODE	FUNCTION
53	SEL 1	I	Initial set up	Model detection.
54	SEL 2	I	Initial set up	Model detection.
55~ 57	-	-	-	-
58	MUTE	O	Audio	Audio mute on/off.
59	RDSCOMP	-	RDS	-
60	RDSFIL	-	RDS	-
61	RDSREF	I	RDS	-
62	MPX	I	RDS	-
63	VDDA	-	-	-
64	GNDA	-	-	-
65	S-METER	I	Tuner	Signal meter detection.
66	NOISE	I	Tuner	FM noise detection.
67	-	-	-	-
68	T_FWD / REV	I	Tape	FWD / REV detection.
69	TEST	-	Test mode	-
70	ACC	I	Power supply	Accessory detection.
71	BUP	I	Power supply	Back up detection.
72	PW_STBY	O	Power IC	Power stand-by on/off.
73	FM / AM	O	Tuner	FM / AM circuit changing.
74	AVR_STBY	O	Power IC	AVR stand-by on/off.
75	PON	O	Power control	Inner power on/off.
76	PCON	O	Power control	External power on/off.
77	P-MUTE	O	Power IC	Power mute on/off.
78	SVR	O	Power IC	Power quick cut on/off.
79	PHONE	I	Phone	Telephone call detection.
80	BEEP	O	Beep	Beep clock out.

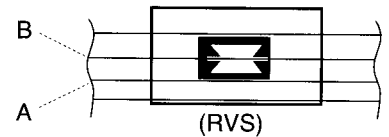
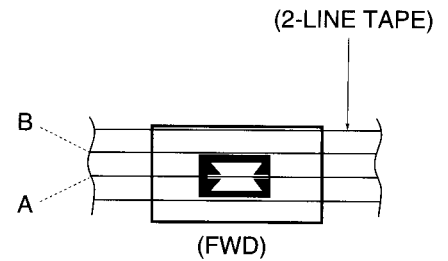
# KRC-11R, 152L, 159R

## ADJUSTMENT / EINSTELLUNGEN (MECHA.)

### Head Angle Adjustment

#### Head height alignment procedure

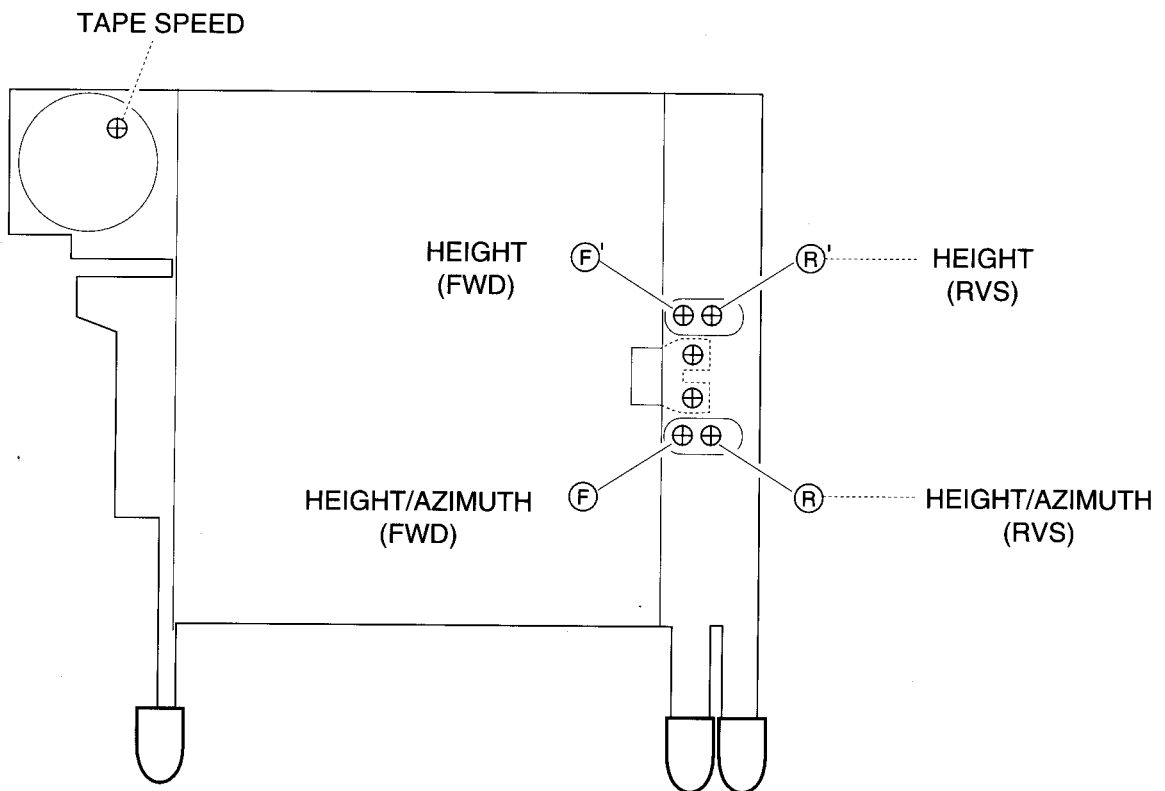
- During FWD transport adjust screws  $\textcircled{F}$  and  $\textcircled{F}'$  so that line A of 2-LINE TAPE passes through the center of the head shield plate (core center area)
- During RVS transport adjust screws  $\textcircled{R}$  and  $\textcircled{R}'$  so that line B of 2-LINE TAPE passes through the center of the head shield plate core (center area)
- After the alignment above, reverse the transport direction and check the FWD alignment again. If it is deviated, perform alignment again. (Tape used : SCC-1659, manufactured by A-BEX)



### Einstellung des Kopfwinkels

#### Vorgehensweise bei der Kopfhöhen-Einstellung

- Während des Bandlaufs in Vorwärtsrichtung die Schrauben  $\textcircled{F}$  und  $\textcircled{F}'$  so einstellen, daß die Linie A eines 2-Linien-Bands (2-LINE TAPE) durch die Mitte der Kopfabschirmplatte (Zentrum des Mittelbereichs) verläuft.
- Während des Bandlaufs in Rückwärtsrichtung die Schrauben  $\textcircled{R}$  und  $\textcircled{R}'$  so einstellen, daß die Linie B eines 2-Linien-Bands (2-LINE TAPE) durch die Mitte der Kopfabschirmplatte (Zentrum des Mittelbereichs) verläuft.
- Nachdem die obige Einstellung abgeschlossen ist, die Bandlaufrichtung umkehren und die Ausrichtung in Vorwärtsrichtung noch einmal überprüfen. Wenn eine Abweichung festgestellt wird, ist diese Einstellung zu wiederholen. (Verwendetes Band: SCC-1659, hergestellt von A-BEX)

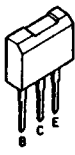
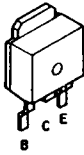


**CAUTION:** For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).  $\Delta$  indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

DTA124EK  
DTC114TK  
DTC114YK  
DTC124EK  
DTC143TK  
DTC144EK  
2SC2412K

2SB1184

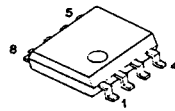
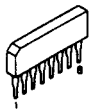
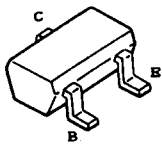
2SB1443



2SA1037K

LA3161

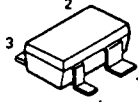
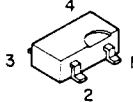
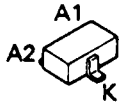
NJM4565M-TE2



DAN202K

3SK126

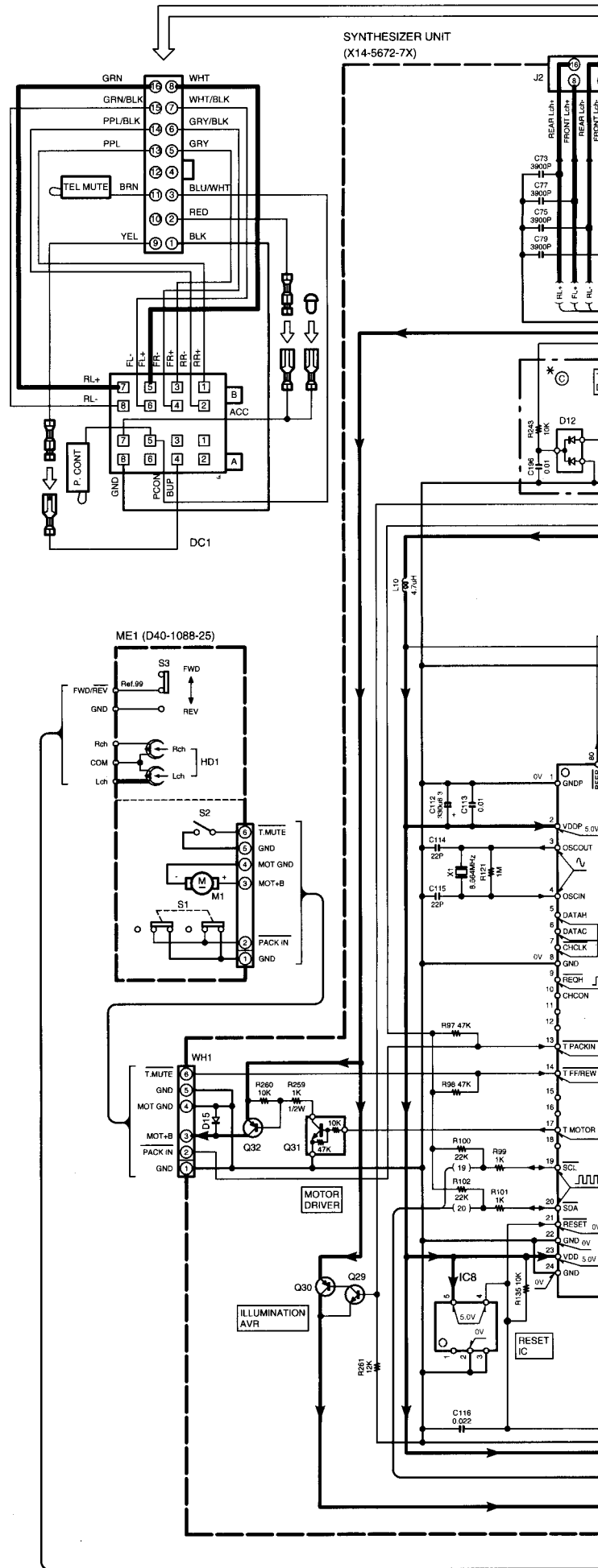
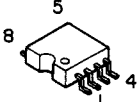
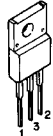
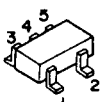
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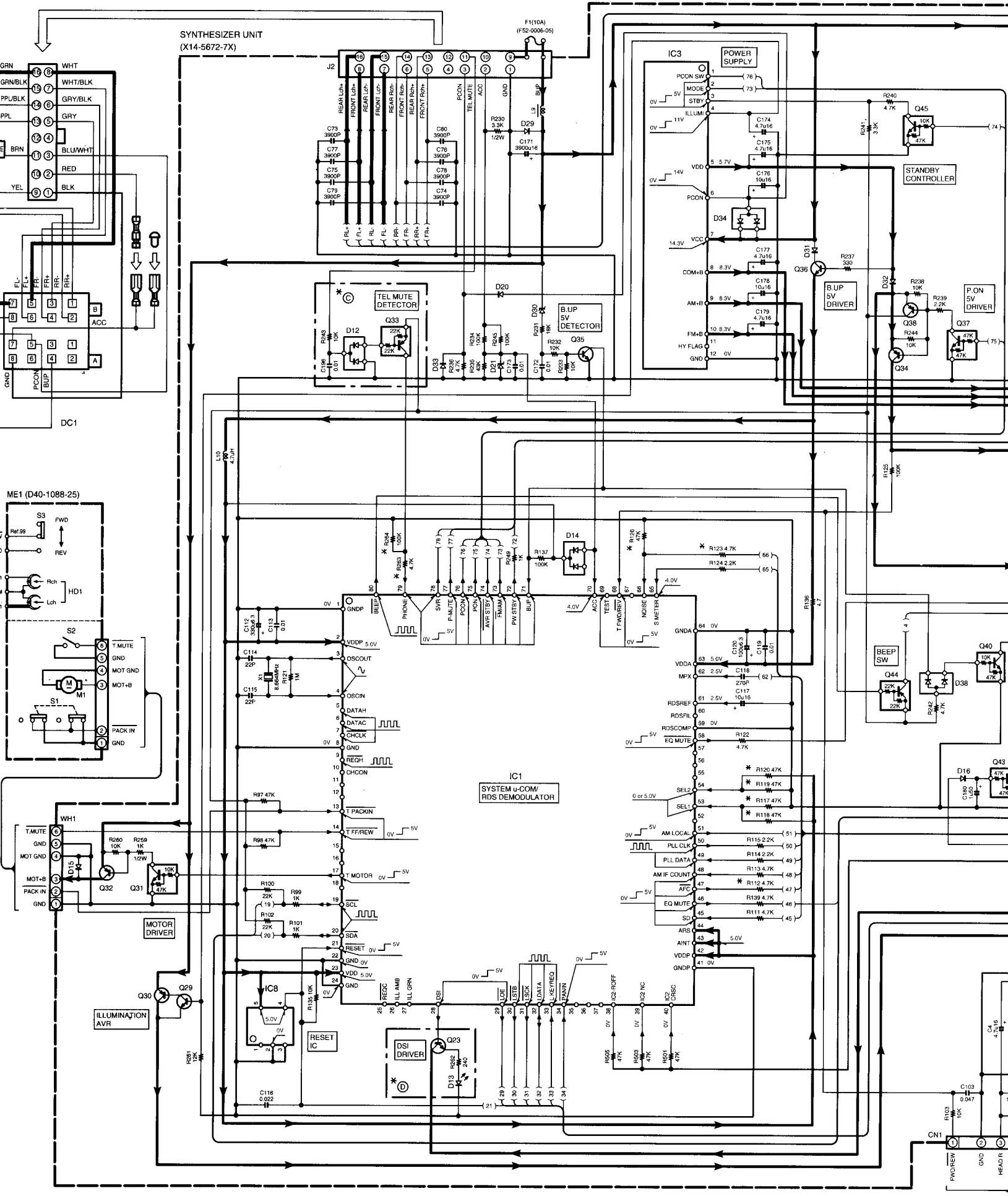


PST9137NR

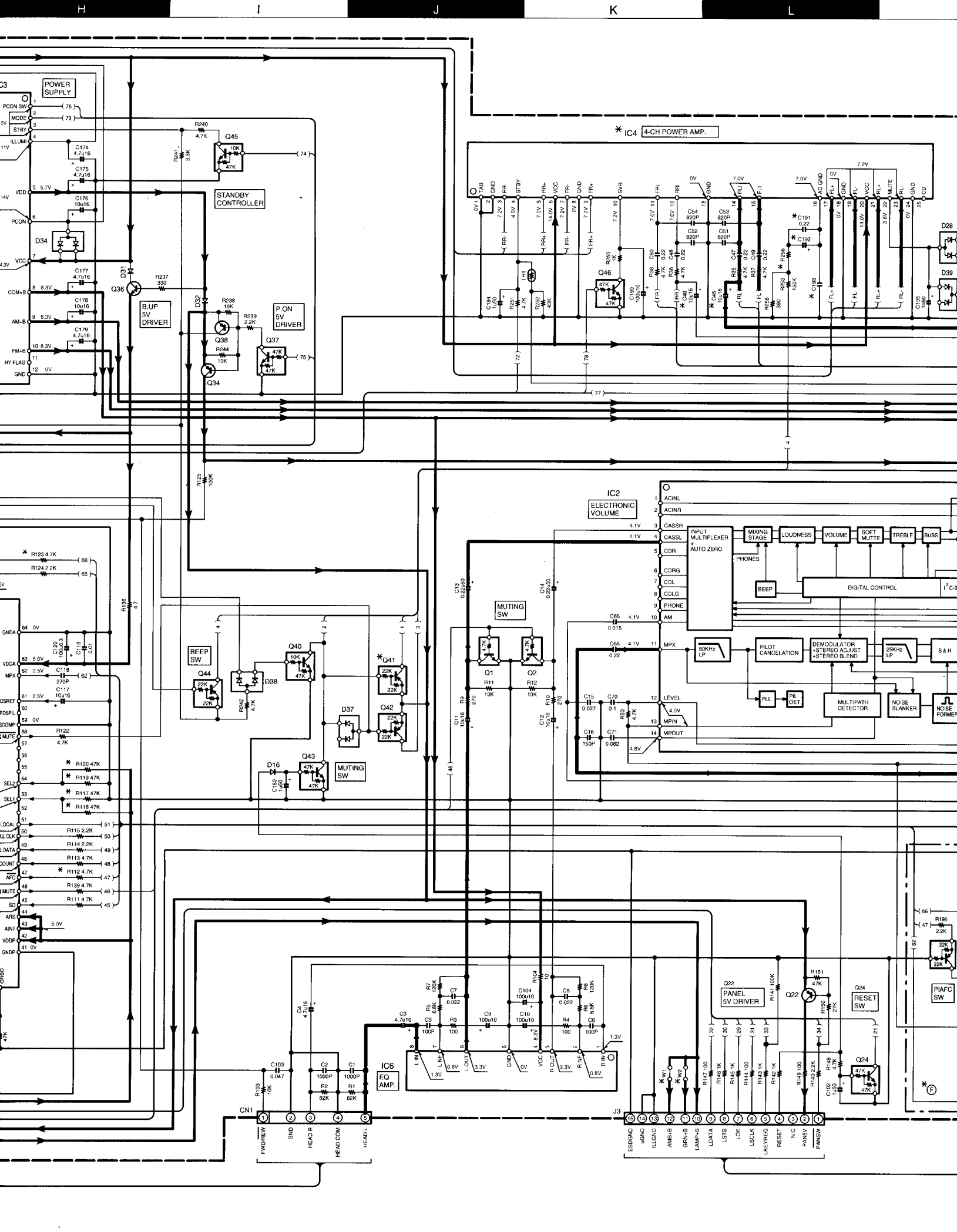
UPD16431A

BR24C01AF









C3  
PCON SW  
MODE  
STRY  
ILLUM  
VDD  
VCC  
COM-B  
AM-B  
FM-B  
HY FLAG  
GND

\*R123 4.7K  
R124 2.2K  
GND  
VDDA  
MFX  
DSPREF  
RDSFL  
SDCOMP  
MUTE  
SEL2  
SEL1  
LOCAL  
CLK  
LCLK  
LCLK  
COUNT  
ATC  
MUTE  
SD  
ARS  
AINT  
VDDP  
GNOP

CN1  
FM/REV  
GND  
HEAD R  
HEAD COM  
HEAD L

STANDBY CONTROLLER

BLUP 5V DRIVER

P ON 5V DRIVER

\*IC4 4-CH POWER AMP.

IC2 ELECTRONIC VOLUME

MUTING SW

BEEP SW

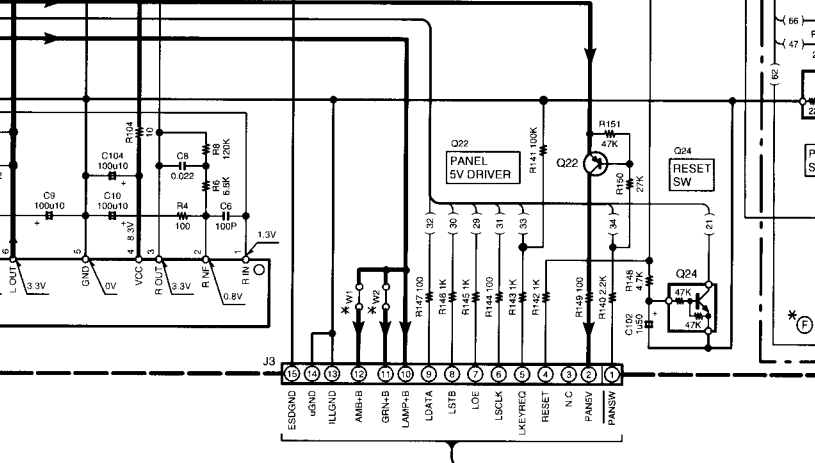
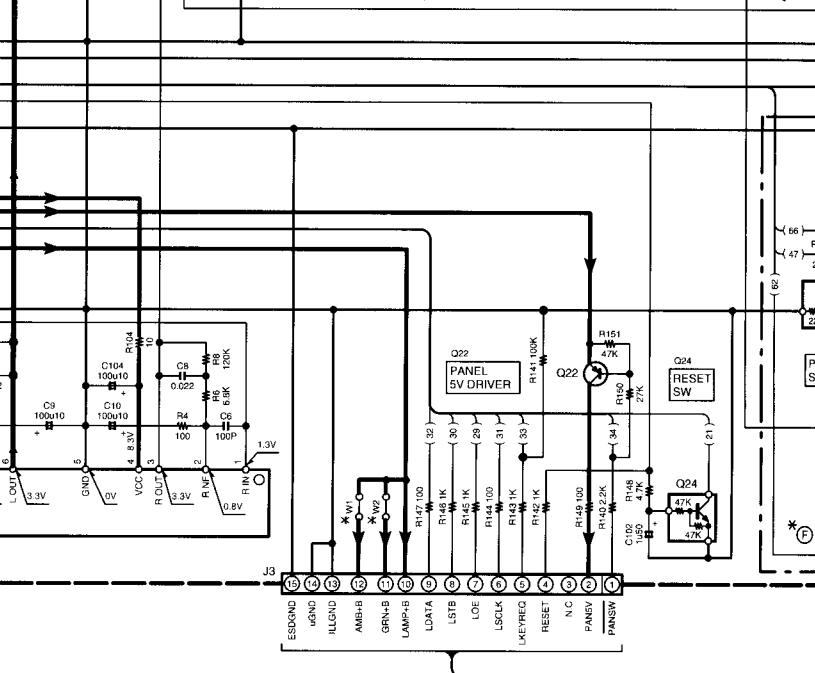
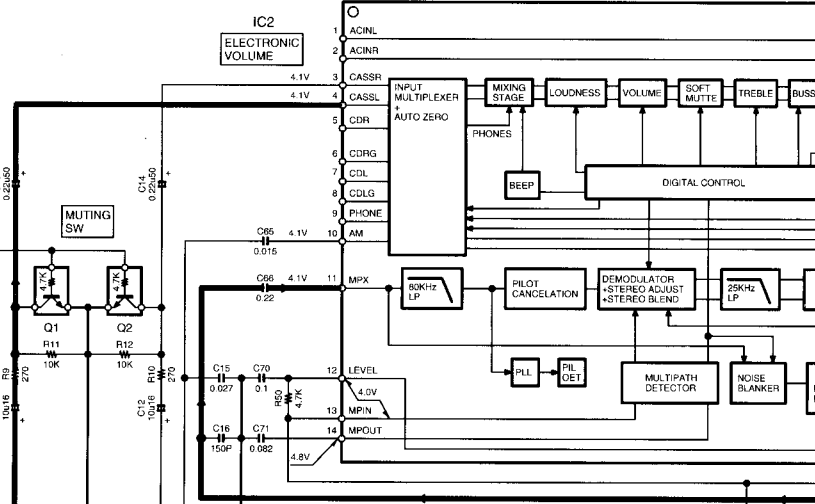
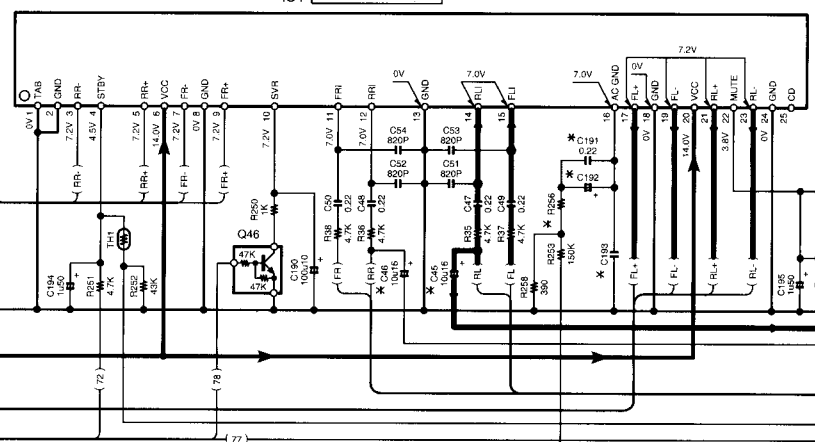
MUTING SW

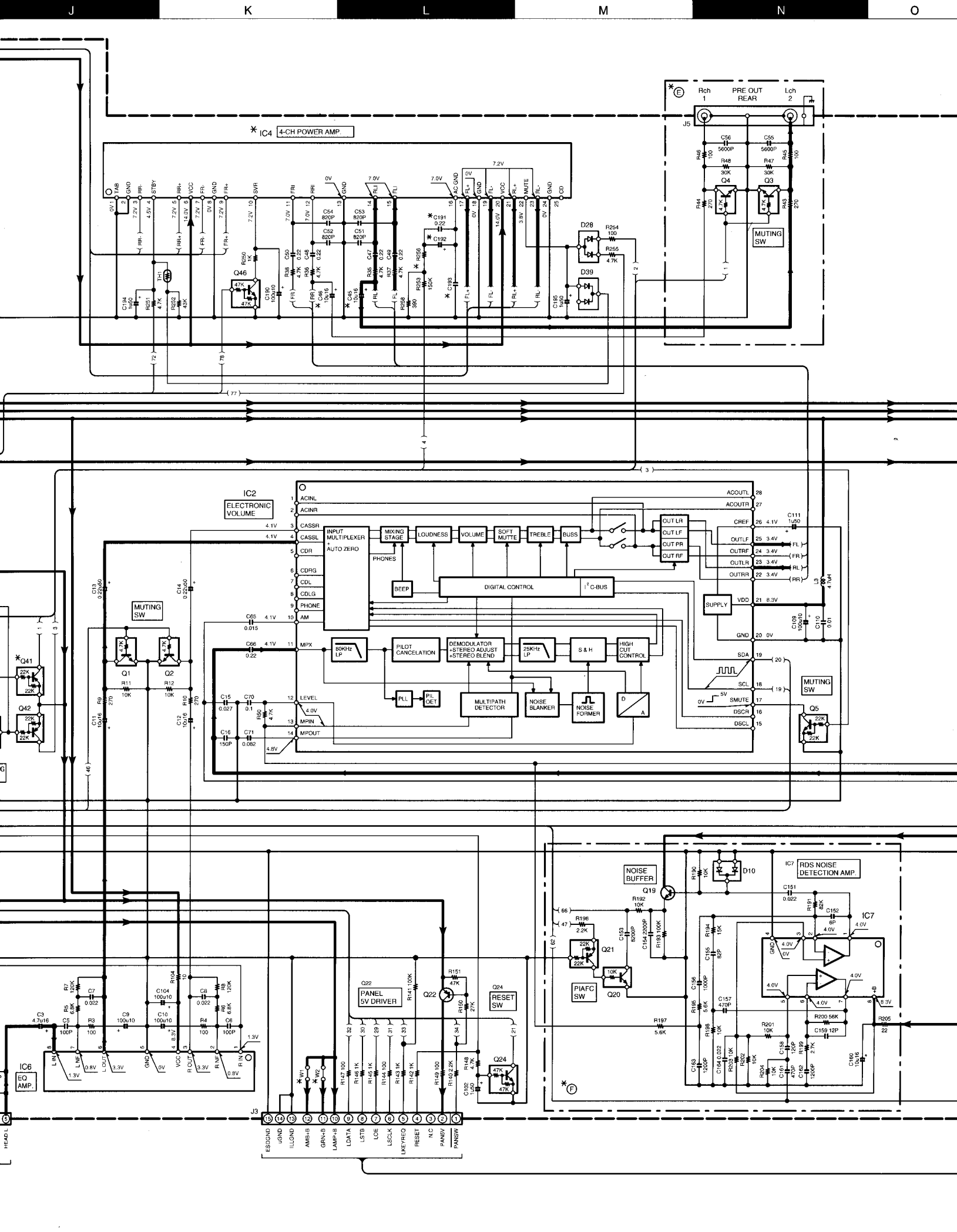
EQ AMP.

PANEL 5V DRIVER

RESET SW

PIAFC SW

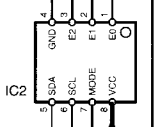
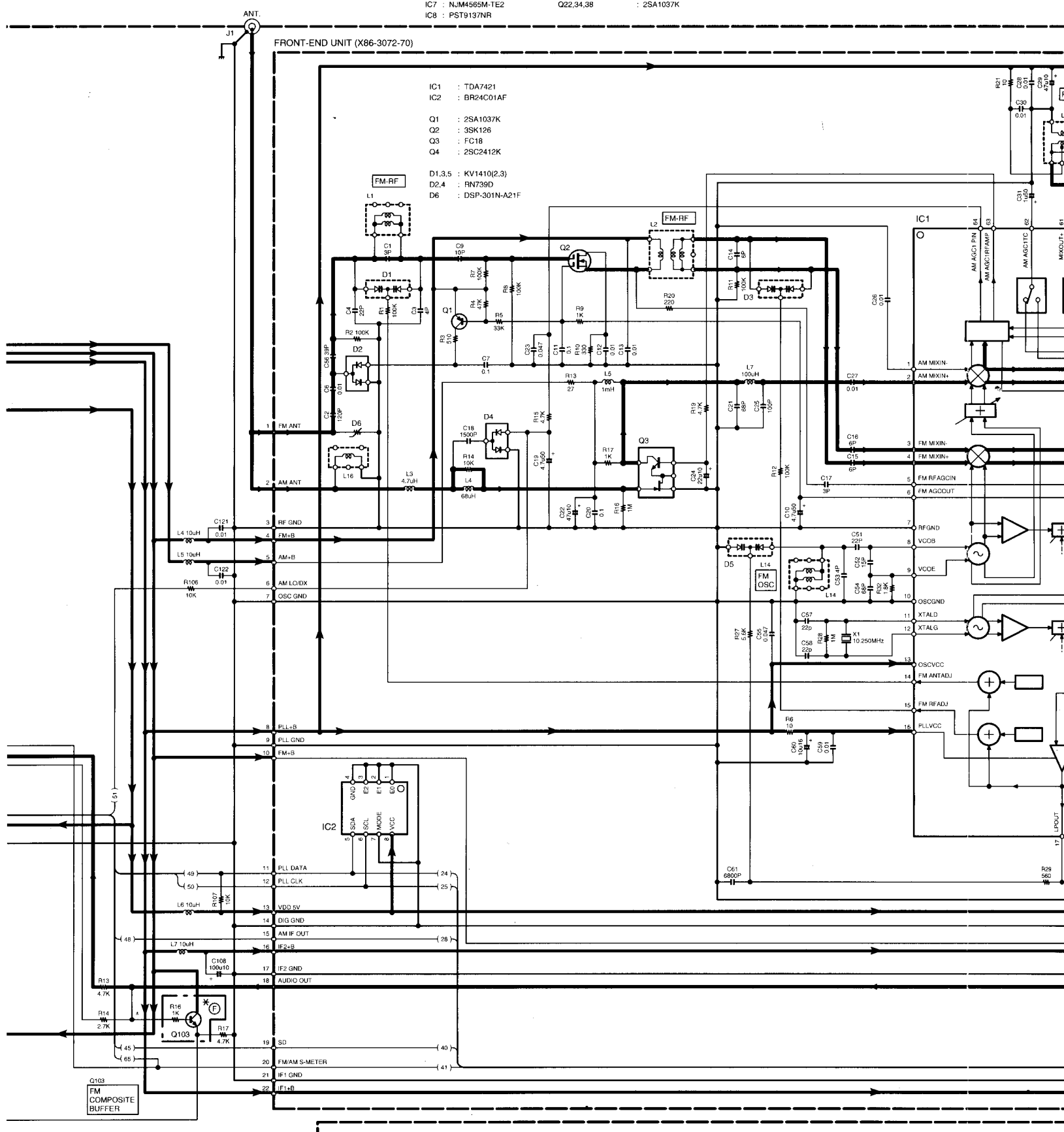




IC1 : ST7285A5CQ6CXE	Q1-4 : DTC143TK	Q24,37,43,46 : DTC144EK	D10,12,14,39 : DAN202K	D28,34,38 : D28,34,38
IC2 : TDA7461D	Q5 : DTC124EK	Q30 : 2SB1184	D13 : B30-1511-05	D29 : D29
IC3 : BA3917-V4	Q19,23,29,35,103 : 2SC2412K	Q31,40,45 : DTC114YK	D15,20,31 : AM01Z	D30 : D30
IC4 : *	Q20 : DTC114TK	Q32 : 2SB1443	D16,32 : 1SS133	D33 : D33
IC6 : LA3181	Q21,33,41,42,44 : DTA124EK	Q36 : 2SD1760	D21 : MA4051-L	
IC7 : NJM4565M-TE2	Q22,34,38 : 2SA1037K			
IC8 : PST9137NR				

FRONT-END UNIT (X96-3072-70)

- IC1 : TDA7421
- IC2 : BR24C01AF
- Q1 : 2SA1037K
- Q2 : 3SK126
- Q3 : FC18
- Q4 : 2SC2412K
- D1,3,5 : KV1410(2,3)
- D2,4 : RN739D
- D6 : DSP-301N-A21F

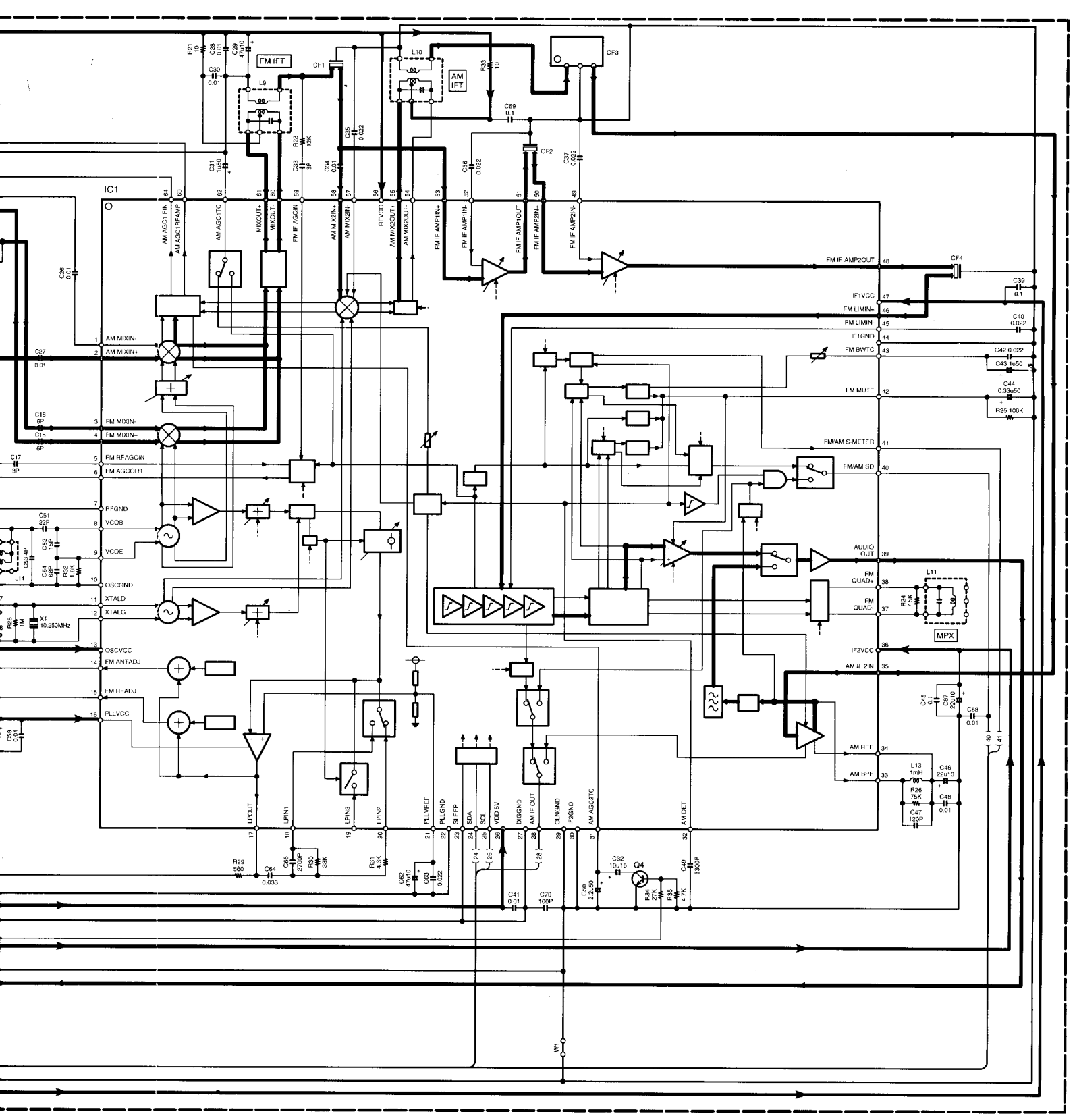


Q103  
FM  
COMPOSITE  
BUFFER

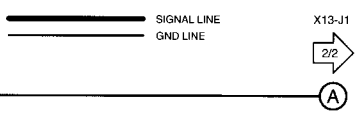
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 184 D13 : B30-1511-05  
 114YK D15,20,31 : AM01Z  
 443 D16,32 : ISS133  
 780 D21 : MA4051-L

D28,34,37,38 : DAP202K  
 D29 : FM102LF  
 D30 : MA4069(N)-M  
 D33 : M1F80

MODEL NAME	UNIT No.	Ⓢ	Ⓣ	Ⓝ	Ⓟ	C45,46,191	C192	C193	Q41	R112,123	R117	R118	R119,263,264	R120	R126	R256	IC4	W1	W2
KRC-159R/RYG	2-71	YES	YES	YES	YES	0.68	3300P	YES	YES	NO	YES	NO	YES	NO	NO	680	TD47384A	NO	YES
KRC-159R/RYA	2-72	YES	YES	YES	YES	0.68	3300P	YES	YES	NO	YES	NO	YES	NO	NO	680	TD47384A	YES	NO
KRC-11R	2-73	NO	NO	NO	NO	0.22	820P	NO	YES	YES	NO	NO	NO	YES	NO	3.6K	TD47385	NO	YES
KRC-11RA	2-74	NO	NO	NO	NO	0.22	820P	NO	NO	NO	YES	NO	NO	YES	NO	3.6K	TD47385	YES	NO
KRC-152L/LYG	2-75	NO	NO	NO	NO	0.22	820P	NO	NO	NO	YES	NO	NO	YES	YES	3.6K	TD47385	NO	YES
KRC-152L/LYA	2-76	NO	NO	NO	NO	0.22	820P	NO	NO	NO	YES	NO	NO	YES	YES	3.6K	TD47385	YES	NO

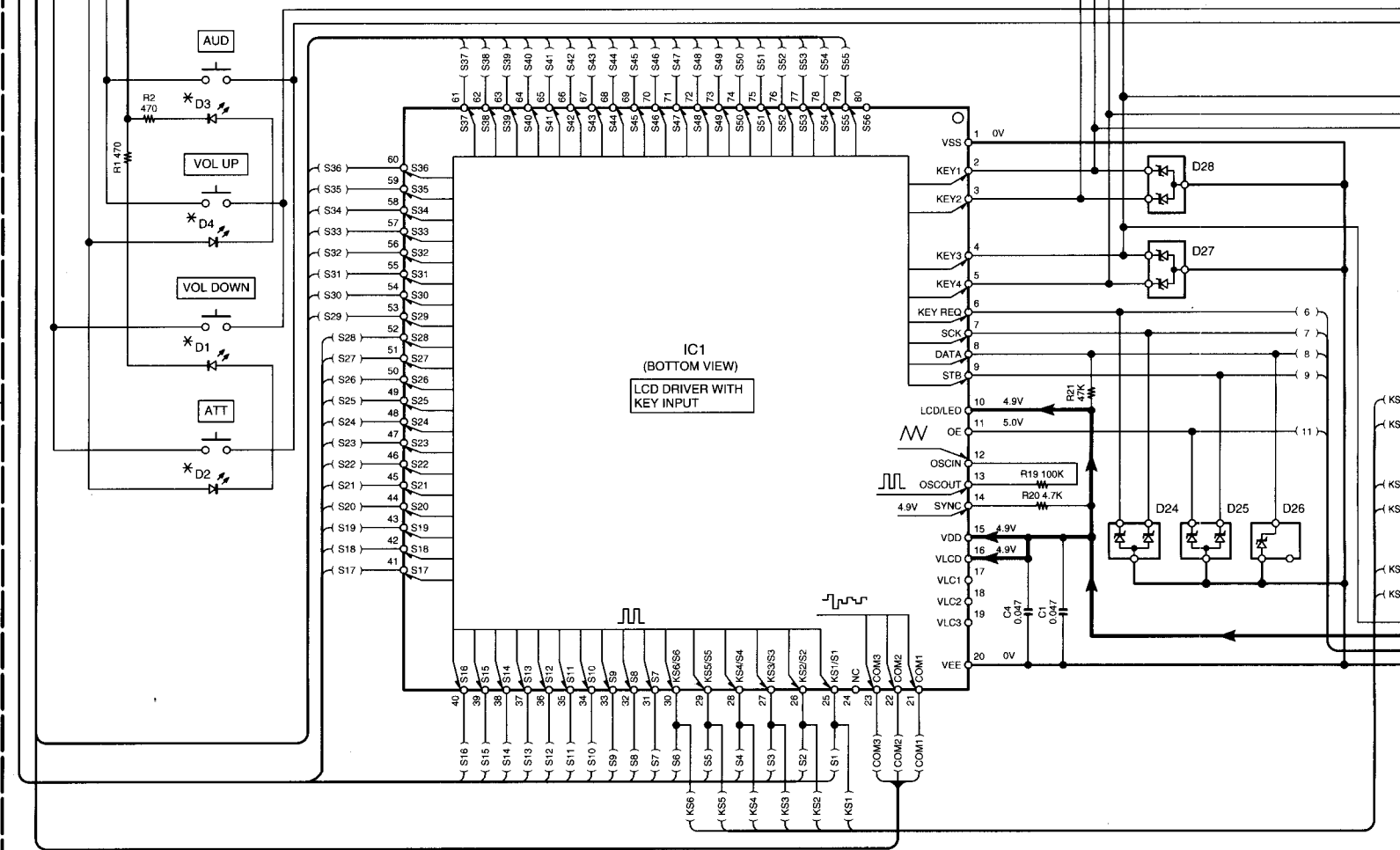
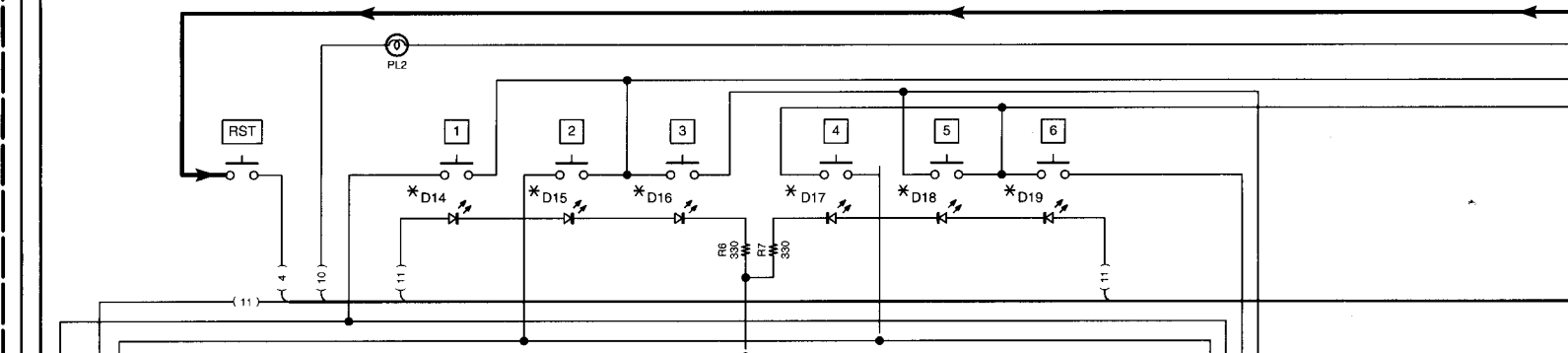
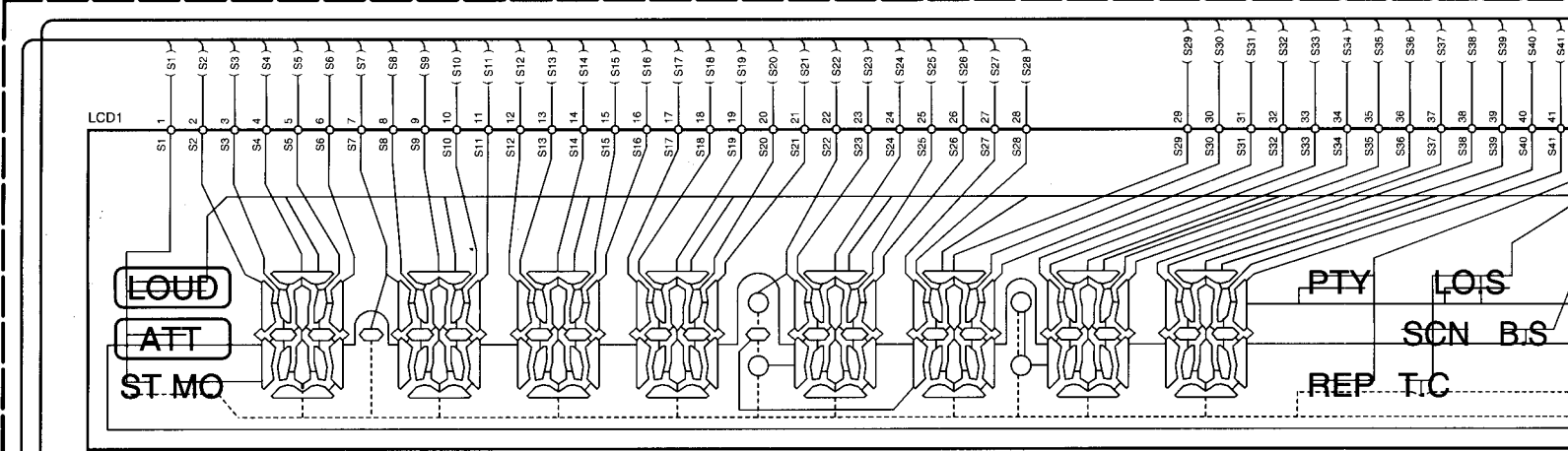


KRC-11R/152L/159R(E) (1/2)



**KRC-11R, 152L, 159R**  
**KENWOOD**

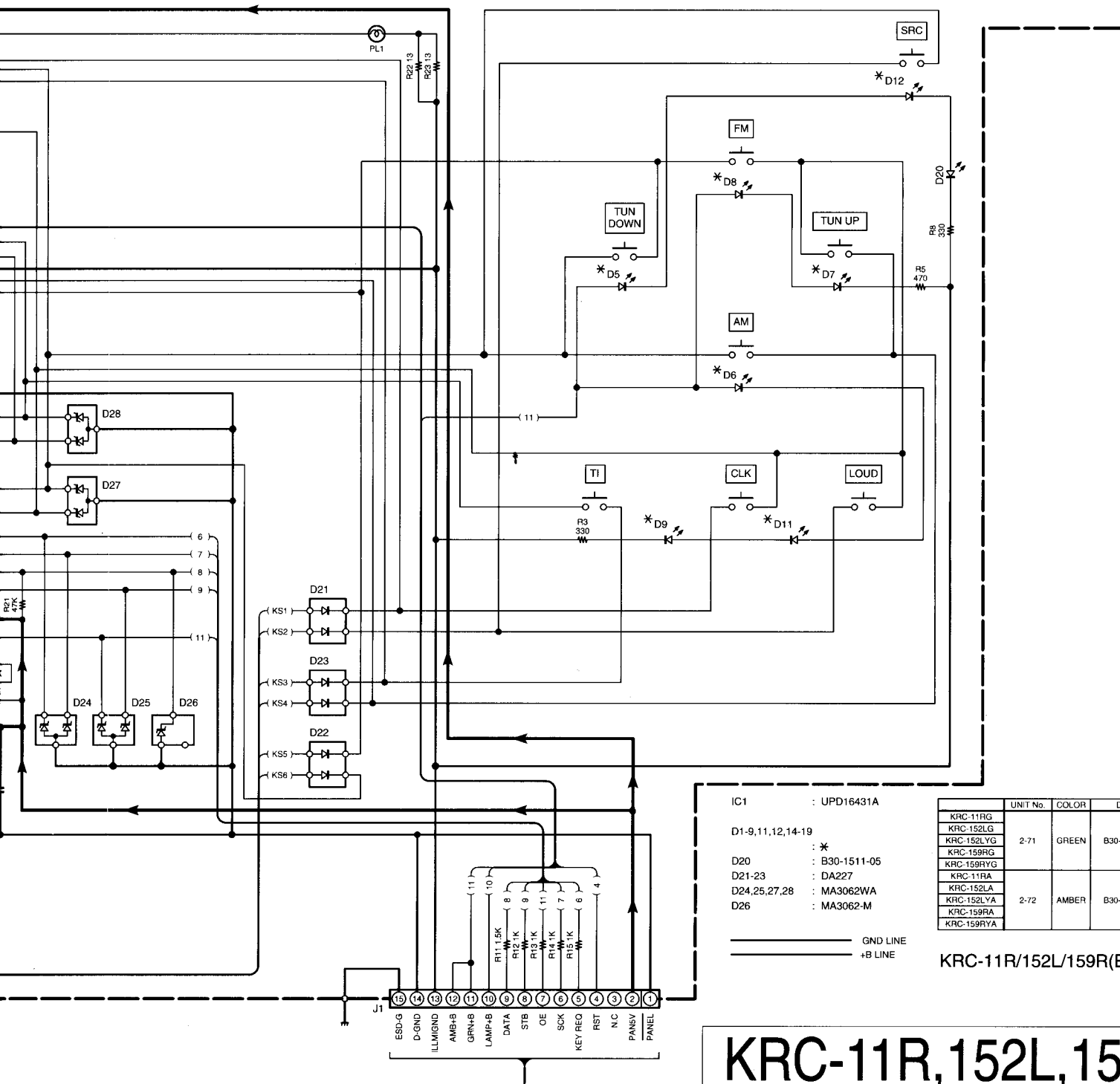
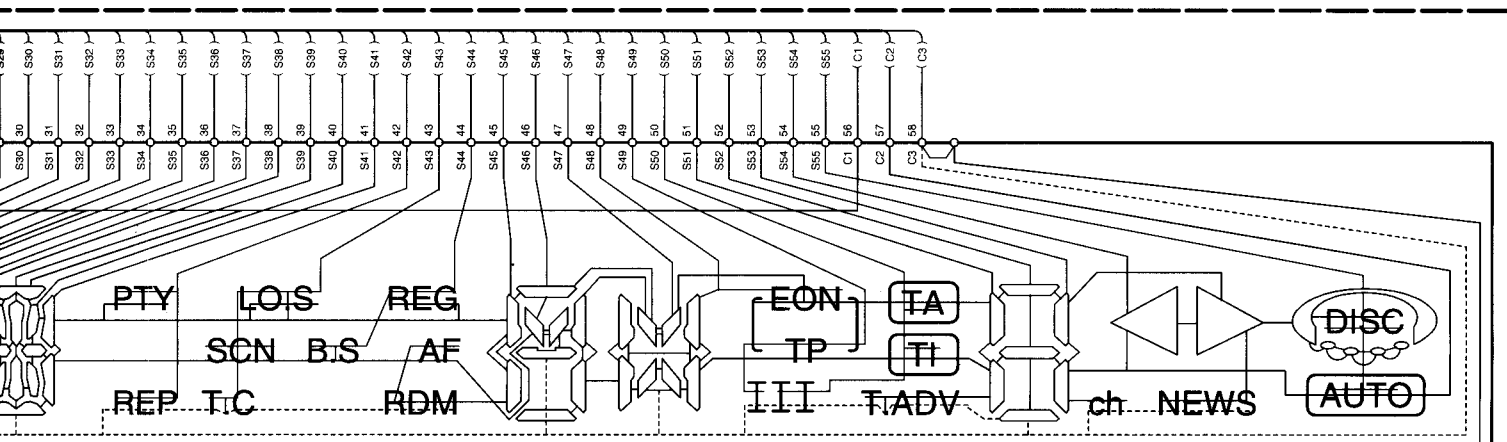
SWITCH UNIT (X13-916X-XX)



X14-J3

1/2

A



- IC1 : UPD16431A
- D1-9,11,12,14-19 : \*
- D20 : B30-1511-05
- D21-23 : DA227
- D24,25,27,28 : MA3062WA
- D26 : MA3062-M

	UNIT No.	COLOR	D1-19
KRC-11RG	2-71	GREEN	B30-1509-05
KRC-152LG			
KRC-152LYG			
KRC-159RG	2-72	AMBER	B30-1517-05
KRC-159RYG			
KRC-11RA			
KRC-152LA			
KRC-152LYA			
KRC-159RA			
KRC-159RYA			

— GND LINE  
 =+B LINE

KRC-11R/152L/159R(E) (2/2)

# KRC-11R, 152L, 159R

KENWOOD

# KRC-11R, 152L, 159R

## PARTS LIST

\* New Parts

Parts without **Part No.** are not supplied.

Les articles non mentionnés dans le **Part No.** ne sont pas fournis.

Teile ohne **Part No.** werden nicht geliefert.

(X14-5672-7x)

Ref. No.	A d d	N e w	Parts No.	Description	Model
C1			CK73FB1E473KTA	CHIP C 0.047UF K	
C4			CK73FB1E473KTA	CHIP C 0.047UF K	
304	2E		E29-1516-04	CONDUCTIVE RUBBER	
J1			E59-0828-05	RECTANGULAR PLUG	
R1 ,2			RK73EB2B471J	CHIP R 470 J 1/8W	
R3			RK73EB2B331J	CHIP R 330 J 1/8W	
R5			RK73EB2B471J	CHIP R 470 J 1/8W	
R6 -8			RK73EB2B331J	CHIP R 330 J 1/8W	
R11			RK73FB2A152J	CHIP R 1.5K J 1/10W	
R12 -15			RK73FB2A102J	CHIP R 1.0K J 1/10W	
R19			RK73FB2A104J	CHIP R 100K J 1/10W	
R20			RK73FB2A472J	CHIP R 4.7K J 1/10W	
R21			RK73FB2A473J	CHIP R 47K J 1/10W	
R22 ,23			RK73EB2B130J	CHIP R 13 J 1/8W	
D21 -23			DA227	DIODE	
D24 ,25			MA3062WA	ZENER DIODE	
D26			MA3062-M	ZENER DIODE	
D27 ,28			MA3062WA	ZENER DIODE	
IC1			UPD16431A	MOS-IC	

### SYNTHESIZER UNIT (X14-5672-7x)

Ref. No.	A d d	N e w	Parts No.	Description	Model
D13			B30-1511-05	LED (RED)	E4E5E6
D13			B30-1511-05	LED (RED)	E7
C1 ,2			CK73FB1H102K	CHIP C 1000PF K	
C3 ,4			C90-2595-05	ELECTRO 4.7UF 16WV	
C5 ,6			CC73FCH1H101J	CHIP C 100PF J	
C7 ,8			CK73FB1H223KTA	CHIP C 0.022UF K	
C9 ,10			CE04CW1A101M	ELECTRO 100UF 10WV	
C11 ,12			C90-2597-05	ELECTRO 10UF 16WV	
C13 ,14			C90-2604-05	ELECTRO 0.22UF 50WV	
C15			CK73FB1E273KTA	CHIP C 0.027UF K	
C16			CC73FCH1H151J	CHIP C 150PF J	
C45 ,46			C90-2597-05	ELECTRO 10UF 16WV	E4E5E6
C45 ,46			C90-2597-05	ELECTRO 10UF 16WV	E7
C47 -50			CK73FB1C224K	CHIP C 0.22UF K	
C51 -54			CK73FB1H821K	CHIP C 820PF K	
C55 ,56			CK73FB1H562K	CHIP C 5600PF K	E4E5E6
C55 ,56			CK73FB1H562K	CHIP C 5600PF K	E7
C65			CK73FB1H153KTA	CHIP C 0.015UF K	
C66			CK73FB1C224K	CHIP C 0.22UF K	
C70			CK73FB1C104K	CHIP C 0.10UF K	
C71			CK73FB1C823K	CHIP C 0.082UF K	
C73 -80			CK73FB1H392K	CHIP C 3900PF K	
C102			C90-2608-05	ELECTRO 1.0UF 50WV	
C103			CK73FB1H473KTA	CHIP C 0.047UF K	
C104			CE04CW1A101M	ELECTRO 100UF 10WV	
C108			CE04DW1A101M	ELECTRO 100UF 10WV	
C109			CE04CW1A101M	ELECTRO 100UF 10WV	
C110			CK73FB1H103K	CHIP C 0.010UF K	
C111			C90-2608-05	ELECTRO 1.0UF 50WV	
C112			CE04CW0J331M	ELECTRO 330UF 6.3WV	
C113			CK73FB1H103K	CHIP C 0.010UF K	
C114,115			CC73FCH1H220J	CHIP C 22PF J	
C116			CK73FB1H223KTA	CHIP C 0.022UF K	

Ref. No.	A d d	N e w	Parts No.	Description	Model
C117			C90-2597-05	ELECTRO 10UF 16WV	
C118			CK73FB1H271K	CHIP C 270PF K	
C119			CK73FB1H103K	CHIP C 0.010UF K	
C120			CE04CW0J101M	ELECTRO 100UF 6.3WV	
C121,122			CK73FB1H103K	CHIP C 0.010UF K	
C151			CK73FB1H223KTA	CHIP C 0.022UF K	E4E5E6
C151			CK73FB1H223KTA	CHIP C 0.022UF K	E7E8E9
C152			CC73FCH1H060D	CHIP C 6.0PF D	E4E5E6
C152			CC73FCH1H060D	CHIP C 6.0PF D	E7E8E9
C153			CK73FB1H822K	CHIP C 8200PF K	E4E5E6
C153			CK73FB1H822K	CHIP C 8200PF K	E7E8E9
C154			CK73FB1H222K	CHIP C 2200PF K	E4E5E6
C154			CK73FB1H222K	CHIP C 2200PF K	E7E8E9
C155			CC73FCH1H820J	CHIP C 82PF J	E4E5E6
C155			CC73FCH1H820J	CHIP C 82PF J	E7E8E9
C156			CK73FB1H102K	CHIP C 1000PF K	E4E5E6
C156			CK73FB1H102K	CHIP C 1000PF K	E7E8E9
C157			CK73FB1H471K	CHIP C 470PF K	E4E5E6
C157			CK73FB1H471K	CHIP C 470PF K	E7E8E9
C158			CC73FCH1H121J	CHIP C 120PF J	E4E5E6
C158			CC73FCH1H121J	CHIP C 120PF J	E7E8E9
C159			CC73FCH1H120J	CHIP C 12PF J	E4E5E6
C159			CC73FCH1H120J	CHIP C 12PF J	E7E8E9
C160			CE04DW1C100M	ELECTRO 10UF 16WV	E4E5E6
C160			CE04DW1C100M	ELECTRO 10UF 16WV	E7E8E9
C161			CK73FB1H471K	CHIP C 470PF K	E4E5E6
C161			CK73FB1H471K	CHIP C 470PF K	E7E8E9
C162,163			CK73FB1H122K	CHIP C 1200PF K	E4E5E6
C162,163			CK73FB1H122K	CHIP C 1200PF K	E7E8E9
C164			CK73FB1H223KTA	CHIP C 0.022UF K	E4E5E6
C164			CK73FB1H223KTA	CHIP C 0.022UF K	E7E8E9
C171			C90-2856-05	ELECTRO 3900UF 16WV	
C172,173			CK73FB1H103K	CHIP C 0.010UF K	
C174,175			C90-2595-05	ELECTRO 4.7UF 16WV	
C176			C90-2597-05	ELECTRO 10UF 16WV	
C177			C90-2595-05	ELECTRO 4.7UF 16WV	
C178			C90-2597-05	ELECTRO 10UF 16WV	
C179			C90-2595-05	ELECTRO 4.7UF 16WV	
C180			C90-2608-05	ELECTRO 1.0UF 50WV	
C190			CE04CW1A101M	ELECTRO 100UF 10WV	
C191			CK73FB1C224K	CHIP C 0.22UF K	E4E5E6
C191			CK73FB1C224K	CHIP C 0.22UF K	E7
C192			C90-2604-05	ELECTRO 0.22UF 50WV	EE1E2
C192			C90-2604-05	ELECTRO 0.22UF 50WV	E3E8E9
C192	*		C90-2607-05	ELECTRO 0.68UF 50WV	E4E5E6
C192	*		C90-2607-05	ELECTRO 0.68UF 50WV	E7
C193			CK73FB1H332K	CHIP C 3300PF K	E4E5E6
C193			CK73FB1H332K	CHIP C 3300PF K	E7
C193			CK73FB1H821K	CHIP C 820PF K	EE1E2
C193			CK73FB1H821K	CHIP C 820PF K	E3E8E9
C194,195			C90-2608-05	ELECTRO 1.0UF 50WV	
C196			CK73FB1H103K	CHIP C 0.010UF K	E4E5E6
C196			CK73FB1H103K	CHIP C 0.010UF K	E7
CN1			E40-3240-05	PIN ASSY	

E: KRC-152LG E1: KRC-152LA E2: KRC-152LYG E3: KRC-152LYA E4: KRC-159RG  
E5: KRC-159RA E6: KRC-159RYG E7: KRC-159RYA E8: KRC-11RG E9: KRC-11RA

⚠ indicates safety critical components.

# KRC-11R, 152L, 159R

## PARTS LIST

\* New Parts

Parts without **Part No.** are not supplied.

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Teile ohne **Part No.** werden nicht geliefert.

(X14-5672-7x)

Ref. No.	A d w	Parts No.	Description	Model	Ref. No.	A d w	Parts No.	Description	Model
J1	2D	E04-0306-05	RF COAXIAL CABLE RECEPTACLE		R120		RK73FB2A473J	CHIP R 47K J 1/10W	E3E8E9
J2	2D	E58-0863-05	RECTANGULAR RECEPTACLE		R121		RK73FB2A105J	CHIP R 1.0M J 1/10W	
J3		E58-0862-05	RECTANGULAR RECEPTACLE		R122		RK73FB2A472J	CHIP R 4.7K J 1/10W	
J5		E13-0235-05	PHONO JACK	E4E5E6	R123		RK73FB2A472J	CHIP R 4.7K J 1/10W	E4E5E6
J5		E13-0235-05	PHONO JACK	E7	R123		RK73FB2A472J	CHIP R 4.7K J 1/10W	E7E8E9
WH1	2D	E39-0191-05	WIRING HARNESS		R124		RK73FB2A222J	CHIP R 2.2K J 1/10W	
L3		L40-4791-17	SMALL FIXED INDUCTOR (4.7UH,K)		R125		RK73FB2A104J	CHIP R 100K J 1/10W	
L4 -7		L40-1001-17	SMALL FIXED INDUCTOR (10UH,K)		R126		RK73FB2A473J	CHIP R 47K J 1/10W	EE1E2
L9		L33-1063-15	CHOKO COIL (C.C.)		R126		RK73FB2A473J	CHIP R 47K J 1/10W	E3
L10		L40-4791-17	SMALL FIXED INDUCTOR (4.7UH,K)		R135		RK73FB2A103J	CHIP R 10K J 1/10W	
X1		L77-2051-05	CRYSTAL RESONATOR (8.664MHZ)		R136		RD14BB2C4R7J	RD 4.7 J 1/6W	
A	1D	N83-3005-46	PAN HEAD TAPTITE SCREW		R137		RK73FB2A104J	CHIP R 100K J 1/10W	
B	1D	N30-3012-46	PAN HEAD MACHINE SCREW		R139		RK73FB2A472J	CHIP R 4.7K J 1/10W	
F	1D	N80-3010-46	PAN HEAD TAPTITE SCREW	E4E5E6	R140		RK73EB2B222J	CHIP R 2.2K J 1/8W	
F	1D	N80-3010-46	PAN HEAD TAPTITE SCREW	E7	R141		RK73FB2A104J	CHIP R 100K J 1/10W	
R1 ,2		RK73FB2A823J	CHIP R 82K J 1/10W		R142,143		RK73EB2B102J	CHIP R 1.0K J 1/8W	
R3 ,4		RK73FB2A101J	CHIP R 100 J 1/10W		R144		RK73EB2B101J	CHIP R 100 J 1/8W	
R5 ,6		RK73FB2A682J	CHIP R 6.8K J 1/10W		R145,146		RK73EB2B102J	CHIP R 1.0K J 1/8W	
R7 ,8		RK73FB2A124J	CHIP R 120K J 1/10W		R147		RK73EB2B101J	CHIP R 100 J 1/8W	
R9 ,10		RK73FB2A271J	CHIP R 270 J 1/10W		R148		RK73FB2A472J	CHIP R 4.7K J 1/10W	
R11 ,12		RK73FB2A103J	CHIP R 10K J 1/10W		R149		RD14BB2C101J	RD 100 J 1/6W	
R13		RK73FB2A472J	CHIP R 4.7K J 1/10W		R150		RK73FB2A273J	CHIP R 27K J 1/10W	
R14		RK73FB2A272J	CHIP R 2.7K J 1/10W		R151		RK73FB2A473J	CHIP R 47K J 1/10W	
R16		RK73EB2B102J	CHIP R 1.0K J 1/8W	E4E5E6	R190		RK73FB2A103J	CHIP R 10K J 1/10W	E4E5E6
R16		RK73EB2B102J	CHIP R 1.0K J 1/8W	E7E8E9	R190		RK73FB2A103J	CHIP R 10K J 1/10W	E7E8E9
R17		RK73FB2A472J	CHIP R 4.7K J 1/10W		R191		RK73FB2A823J	CHIP R 82K J 1/10W	E4E5E6
R35 -38		RK73FB2A472J	CHIP R 4.7K J 1/10W		R191		RK73FB2A823J	CHIP R 82K J 1/10W	E7E8E9
R43 ,44		RK73FB2A271J	CHIP R 270 J 1/10W	E4E5E6	R192		RK73FB2A103J	CHIP R 10K J 1/10W	E4E5E6
R43 ,44		RK73FB2A271J	CHIP R 270 J 1/10W	E7	R192		RK73FB2A103J	CHIP R 10K J 1/10W	E7E8E9
R45 ,46		RK73FB2A101J	CHIP R 100 J 1/10W	E4E5E6	R193		RK73FB2A104J	CHIP R 100K J 1/10W	E4E5E6
R45 ,46		RK73FB2A101J	CHIP R 100 J 1/10W	E7	R193		RK73FB2A104J	CHIP R 100K J 1/10W	E7E8E9
R47 ,48		RK73FB2A303J	CHIP R 30K J 1/10W	E4E5E6	R194		RK73FB2A153J	CHIP R 15K J 1/10W	E4E5E6
R47 ,48		RK73FB2A303J	CHIP R 30K J 1/10W	E7	R194		RK73FB2A153J	CHIP R 15K J 1/10W	E7E8E9
R50		RK73FB2A472J	CHIP R 4.7K J 1/10W		R195		RK73FB2A562J	CHIP R 5.6K J 1/10W	E4E5E6
R97 ,98		RK73FB2A473J	CHIP R 47K J 1/10W		R195		RK73FB2A562J	CHIP R 5.6K J 1/10W	E7E8E9
R99		RK73FB2A102J	CHIP R 1.0K J 1/10W		R196		RK73FB2A222J	CHIP R 2.2K J 1/10W	E4E5E6
R100		RK73FB2A223J	CHIP R 22K J 1/10W		R196		RK73FB2A222J	CHIP R 2.2K J 1/10W	E7E8E9
R101		RK73FB2A102J	CHIP R 1.0K J 1/10W		R197		RK73FB2A562J	CHIP R 5.6K J 1/10W	E4E5E6
R102		RK73FB2A223J	CHIP R 22K J 1/10W		R197		RK73FB2A562J	CHIP R 5.6K J 1/10W	E7E8E9
R103		RK73FB2A103J	CHIP R 10K J 1/10W		R198		RK73FB2A103J	CHIP R 10K J 1/10W	E4E5E6
R104		RK73FB2A100J	CHIP R 10 J 1/10W		R198		RK73FB2A103J	CHIP R 10K J 1/10W	E7E8E9
R106,107		RK73FB2A103J	CHIP R 10K J 1/10W		R199		RK73FB2A272J	CHIP R 2.7K J 1/10W	E4E5E6
R111		RK73FB2A472J	CHIP R 4.7K J 1/10W		R199		RK73FB2A272J	CHIP R 2.7K J 1/10W	E7E8E9
R112		RK73FB2A472J	CHIP R 4.7K J 1/10W	E4E5E6	R200		RK73FB2A563J	CHIP R 56K J 1/10W	E4E5E6
R112		RK73FB2A472J	CHIP R 4.7K J 1/10W	E7E8E9	R200		RK73FB2A563J	CHIP R 56K J 1/10W	E7E8E9
R113		RK73FB2A472J	CHIP R 4.7K J 1/10W		R201-204		RK73FB2A103J	CHIP R 10K J 1/10W	E4E5E6
R114,115		RK73FB2A222J	CHIP R 2.2K J 1/10W		R201-204		RK73FB2A103J	CHIP R 10K J 1/10W	E7E8E9
R117		RK73FB2A473J	CHIP R 47K J 1/10W	E8E9	R205		RK73FB2A220J	CHIP R 22 J 1/10W	E4E5E6
R118		RK73FB2A473J	CHIP R 47K J 1/10W	EE1E2	R205		RK73FB2A220J	CHIP R 22 J 1/10W	E7E8E9
R118		RK73FB2A473J	CHIP R 47K J 1/10W	E3E4E5	R230		RD14DB2H332J	SMALL-RD 3.3K J 1/2W	
R118		RK73FB2A473J	CHIP R 47K J 1/10W	E6E7	R231		RK73FB2A183J	CHIP R 18K J 1/10W	
R119		RK73FB2A473J	CHIP R 47K J 1/10W	E4E5E6	R232,233		RK73FB2A103J	CHIP R 10K J 1/10W	
R119		RK73FB2A473J	CHIP R 47K J 1/10W	E7	R234		RK73EB2B104J	CHIP R 100K J 1/8W	
R120		RK73FB2A473J	CHIP R 47K J 1/10W	EE1E2	R235		RK73FB2A433J	CHIP R 43K J 1/10W	
					R236		RK73EB2B472J	CHIP R 4.7K J 1/8W	

E: KRC-152LG E1: KRC-152LA E2: KRC-152LYG E3: KRC-152LYA E4: KRC-159RG  
 E5: KRC-159RA E6: KRC-159RYG E7: KRC-159RYA E8: KRC-11RG E9: KRC-11RA

⚠ indicates safety critical components.



# KRC-11R,152L,159R

## PARTS LIST

\* New Parts

Parts without **Part No.** are not supplied.

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Teile ohne **Part No.** werden nicht geliefert.

(X14-5672-7x)

Ref. No.	A d d w	N e w	Parts No.	Description	Model
R237			RK73EB2B331J	CHIP R 330 J 1/8W	
R238			RK73FB2A103J	CHIP R 10K J 1/10W	
R239			RK73FB2A222J	CHIP R 2.2K J 1/10W	
R240			RK73FB2A472J	CHIP R 4.7K J 1/10W	
R241			RK73FB2A332J	CHIP R 3.3K J 1/10W	
R242			RK73FB2A472J	CHIP R 4.7K J 1/10W	
R243			RK73EB2B103J	CHIP R 10K J 1/8W	E4E5E6
R243			RK73EB2B103J	CHIP R 10K J 1/8W	E7
R244			RK73FB2A103J	CHIP R 10K J 1/10W	
R245			RK73EB2B104J	CHIP R 100K J 1/8W	
R249,250			RK73FB2A102J	CHIP R 1.0K J 1/10W	
R251			RK73FB2A472J	CHIP R 4.7K J 1/10W	
R252			RK73FB2A433J	CHIP R 43K J 1/10W	
R253			RK73FB2A154J	CHIP R 150K J 1/10W	
R254			RK73FB2A101J	CHIP R 100 J 1/10W	
R255			RK73FB2A472J	CHIP R 4.7K J 1/10W	
R256			RK73FB2A362J	CHIP R 3.6K J 1/10W	EE1E2
R256			RK73FB2A362J	CHIP R 3.6K J 1/10W	E3E8E9
R256			RK73FB2A681J	CHIP R 680 J 1/10W	E4E5E6
R256			RK73FB2A681J	CHIP R 680 J 1/10W	E7
R258			RK73FB2A391J	CHIP R 390 J 1/10W	
R259			RD14DB2H102J	SMALL-RD 1.0K J 1/2W	
R260			RD14BB2C103J	RD 10K J 1/6W	
R261			RD14BB2C123J	RD 12K J 1/6W	
R262			RK73FB2A241J	CHIP R 240 J 1/10W	E4E5E6
R262			RK73FB2A241J	CHIP R 240 J 1/10W	E7
R263			RK73FB2A472J	CHIP R 4.7K J 1/10W	E4E5E6
R263			RK73FB2A472J	CHIP R 4.7K J 1/10W	E7
R264			RK73FB2A104J	CHIP R 100K J 1/10W	E4E5E6
R264			RK73FB2A104J	CHIP R 100K J 1/10W	E7
R501			RK73FB2A473J	CHIP R 47K J 1/10W	
R503			RK73FB2A473J	CHIP R 47K J 1/10W	
R505			RK73FB2A473J	CHIP R 47K J 1/10W	
W1			R92-2052-05	CHIP R 0 J 1/10W	E1E3
W1			R92-2052-05	CHIP R 0 J 1/10W	E5E7E9
W2			R92-2052-05	CHIP R 0 J 1/10W	EE2
W2			R92-2052-05	CHIP R 0 J 1/10W	E4E6E8
W5 ,6			R92-2053-05	CHIP R 0 J 1/8W	
D10			DAN202K	DIODE	E4E5E6
D10			DAN202K	DIODE	E7E8E9
D12			DAN202K	DIODE	E4E5E6
D12			DAN202K	DIODE	E7
D14			DAN202K	DIODE	
D15			AM01Z	DIODE	
D16			1SS133	DIODE	
D20			AM01Z	DIODE	
D21			MA4051-L	ZENER DIODE	
D28			DAP202K	DIODE	
D29			RM10ZLF	DIODE	
D30			MA4068(N)-M	ZENER DIODE	
D31			AM01Z	DIODE	
D32			1SS133	DIODE	
D33			M1F60	DIODE	
D34			DAP202K	DIODE	

Ref. No.	A d d w	N e w	Parts No.	Description	Model
D37 ,38			DAP202K	DIODE	
D39			DAN202K	DIODE	
IC1		*	ST7285A5CQ6CXE	MI-COM IC	
IC2			TDA7461D	ANALOGUE IC	
IC3			BA3917-V4	ANALOGUE IC	
IC4	2D		TDA7384A	ANALOGUE IC	E4E5E6
IC4	2D		TDA7384A	ANALOGUE IC	E7
IC4	2D		TDA7385	ANALOGUE IC	EE1E2
IC4	2D		TDA7385	ANALOGUE IC	E3E8E9
IC6			LA3161	IC(PREAMP X2)	
IC7			NJM4565M-TE2	ANALOGUE IC	E4E5E6
IC7			NJM4565M-TE2	ANALOGUE IC	E7E8E9
IC8			PST9137NR	ANALOGUE IC	
Q1 ,2			DTC143TK	DIGITAL TRANSISTOR	
Q3 ,4			DTC143TK	DIGITAL TRANSISTOR	E4E5E6
Q3 ,4			DTC143TK	DIGITAL TRANSISTOR	E7
Q5			DTC124EK	DIGITAL TRANSISTOR	
Q19			2SC2412K	TRANSISTOR	E4E5E6
Q19			2SC2412K	TRANSISTOR	E7E8E9
Q20			DTC114TK	DIGITAL TRANSISTOR	E4E5E6
Q20			DTC114TK	DIGITAL TRANSISTOR	
Q21			DTA124EK	DIGITAL TRANSISTOR	E7E8E9
Q21			DTA124EK	DIGITAL TRANSISTOR	E4E5E6
Q22			2SA1037K	TRANSISTOR	E7E8E9
Q23			2SC2412K	TRANSISTOR	E4E5E6
Q23			2SC2412K	TRANSISTOR	E7
Q24			DTC144EK	DIGITAL TRANSISTOR	
Q29			2SC2412K	TRANSISTOR	
Q30			2SB1184	TRANSISTOR	
Q31			DTC114YK	DIGITAL TRANSISTOR	
Q32			2SB1443	TRANSISTOR	
Q33			DTA124EK	DIGITAL TRANSISTOR	E4E5E6
Q33			DTA124EK	DIGITAL TRANSISTOR	E7
Q34			2SA1037K	TRANSISTOR	
Q35			2SC2412K	TRANSISTOR	
Q36			2SD1760	TRANSISTOR	
Q37			DTC144EK	DIGITAL TRANSISTOR	
Q38			2SA1037K	TRANSISTOR	
Q40			DTC114YK	DIGITAL TRANSISTOR	
Q41			DTA124EK	DIGITAL TRANSISTOR	E4E5E6
Q41			DTA124EK	DIGITAL TRANSISTOR	E7
Q42			DTA124EK	DIGITAL TRANSISTOR	
Q43			DTC144EK	DIGITAL TRANSISTOR	
Q44			DTA124EK	DIGITAL TRANSISTOR	
Q45			DTC114YK	DIGITAL TRANSISTOR	
Q46			DTC144EK	DIGITAL TRANSISTOR	
Q103			2SC2412K	TRANSISTOR	E4E5E6
Q103			2SC2412K	TRANSISTOR	E7E8E9
TH1			PT722A80C	POSITIVE RESISTOR	
<b>FRONT-END UNIT (X86-3072-70)</b>					
C1			CC73FCH1H030C	CHIP C 3.0PF C	
C2			CC73FCH1H121J	CHIP C 120PF J	
C3			CC73FCH1H040C	CHIP C 4.0PF C	
C4			CC73FCH1H220J	CHIP C 22PF J	
C6			CK73FB1H103K	CHIP C 0.010UF K	

E: KRC-152LG E1: KRC-152LA E2: KRC-152LYG E3: KRC-152LYA E4: KRC-159RG  
 E5: KRC-159RA E6: KRC-159RYG E7: KRC-159RYA E8: KRC-11RG E9: KRC-11RA

△ indicates safety critical components.

# KRC-11R, 152L, 159R

## PARTS LIST

\* New Parts

Parts without **Part No.** are not supplied.

Les articles non mentionnés dans le **Part No.** ne sont pas fournis.

Teile ohne **Part No.** werden nicht geliefert.

(X86-3072-70)

Ref. No.	Ad New	Parts No.	Description	Model
C7		CK73FB1C104K	CHIP C 0.10UF K	
C9		CC73FCH1H100D	CHIP C 10PF D	
C10		CE04NW1H4R7M	ELECTRO 4.7UF 50WV	
C11		CK73FB1C104K	CHIP C 0.10UF K	
C12 ,13		CK73FB1H103K	CHIP C 0.010UF K	
C14 -16		CC73FCH1H060D	CHIP C 6.0PF D	
C17		CC73FCH1H030C	CHIP C 3.0PF C	
C18		CK73FB1H152K	CHIP C 1500PF K	
C19		CE04NW1H4R7M	ELECTRO 4.7UF 50WV	
C20		CK73FB1C104K	CHIP C 0.10UF K	
C21		CC73FCH1H680J	CHIP C 68PF J	
C22		CE04NW1A470M	ELECTRO 47UF 10WV	
C23		CK73FB1E473KTA	CHIP C 0.047UF K	
C24		CE04NW1A220M	ELECTRO 22UF 10WV	
C25		CC73FCH1H101J	CHIP C 100PF J	
C26 -28		CK73FB1H103K	CHIP C 0.010UF K	
C29		CE04NW1A470M	ELECTRO 47UF 10WV	
C30		CK73FB1H103K	CHIP C 0.010UF K	
C31		CE04NW1H010M	ELECTRO 1.0UF 50WV	
C32		CE04NW1C100M	ELECTRO 10UF 16WV	
C33		CC73FCH1H030C	CHIP C 3.0PF C	
C34		CK73FB1H103K	CHIP C 0.010UF K	
C35 -37		CK73FB1H223KTA	CHIP C 0.022UF K	
C39		CK73FB1C104K	CHIP C 0.10UF K	
C40		CK73FB1H223KTA	CHIP C 0.022UF K	
C41		CK73FB1H103K	CHIP C 0.010UF K	
C42		CK73FB1H223KTA	CHIP C 0.022UF K	
C43		CE04NW1H010M	ELECTRO 1.0UF 50WV	
C44		CE04NW1HR33M	ELECTRO 0.33UF 50WV	
C45		CK73FB1C104K	CHIP C 0.10UF K	
C46		CE04NW1A220M	ELECTRO 22UF 10WV	
C47		CC73FCH1H121J	CHIP C 120PF J	
C48		CK73FB1H103K	CHIP C 0.010UF K	
C49		CK73FB1H332K	CHIP C 3300PF K	
C50		CE04NW1H2R2M	ELECTRO 2.2UF 50WV	
C51		CC73FCH1H220J	CHIP C 22PF J	
C52		CC73FCH1H150J	CHIP C 15PF J	
C53		CC73FCH1H040C	CHIP C 4.0PF C	
C54		CC73FCH1H680J	CHIP C 68PF J	
C55		CK73FB1E473KTA	CHIP C 0.047UF K	
C56		CC73FCH1H390J	CHIP C 39PF J	
C57 ,58		CC73FCH1H220J	CHIP C 22PF J	
C59		CK73FB1H103K	CHIP C 0.010UF K	
C60		CE04NW1C100M	ELECTRO 10UF 16WV	
C61		CK73FB1H682K	CHIP C 6800PF K	
C62		CE04NW1A470M	ELECTRO 47UF 10WV	
C63		CK73FB1H223KTA	CHIP C 0.022UF K	
C64		CK73FB1E333KTA	CHIP C 0.033UF K	
C66		CK73FB1H272K	CHIP C 2700PF K	
C67		CE04NW1A220M	ELECTRO 22UF 10WV	
C68		CK73FB1H103K	CHIP C 0.010UF K	
C69		CK73FB1C104K	CHIP C 0.10UF K	
C70		CC73FCH1H101J	CHIP C 100PF J	
P1		E23-0729-03	TERMINAL	

Ref. No.	Ad New	Parts No.	Description	Model
P2		E23-0730-03	TERMINAL	
CF1		L72-0734-05	CERAMIC FILTER	
CF2		L72-0722-05	CERAMIC FILTER	
CF3	*	L72-0743-05	CERAMIC FILTER	
CF4		L72-0722-05	CERAMIC FILTER	
L1	*	L31-0907-05	FM-RF COIL	
L2	*	L31-0909-05	FM-RF COIL	
L3		L40-4791-17	SMALL FIXED INDUCTOR (4.7UH,K)	
L4		L40-6801-17	SMALL FIXED INDUCTOR (68UH,K)	
L5		L40-1021-56	SMALL FIXED INDUCTOR (1MH)	
L7		L40-1011-17	SMALL FIXED INDUCTOR (100UH)	
L9	*	L30-0743-05	FM IFT	
L10	*	L30-0742-05	AM IFT	
L11	*	L35-0303-05	MPX COIL	
L13		L40-1021-56	SMALL FIXED INDUCTOR (1MH)	
L14	*	L32-0910-05	FM OSCILLATING COIL	
L16		L33-1086-05	LINE FILTER COIL	
X1	*	L77-2077-05	CRYSTAL RESONATOR (10.250MHZ)	
R1 ,2		RK73FB2A104J	CHIP R 100K J 1/10W	
R3		RK73EB2B511J	CHIP R 510 J 1/8W	
R4		RK73FB2A473J	CHIP R 47K J 1/10W	
R5		RK73FB2A333J	CHIP R 33K J 1/10W	
R6		RK73FB2A100J	CHIP R 10 J 1/10W	
R7 ,8		RK73FB2A104J	CHIP R 100K J 1/10W	
R9		RK73FB2A102J	CHIP R 1.0K J 1/10W	
R10		RK73FB2A331J	CHIP R 330 J 1/10W	
R11 ,12		RK73FB2A104J	CHIP R 100K J 1/10W	
R13		RK73FB2A270J	CHIP R 27 J 1/10W	
R14		RK73FB2A103J	CHIP R 10K J 1/10W	
R15		RK73FB2A472J	CHIP R 4.7K J 1/10W	
R16		RK73FB2A105J	CHIP R 1.0M J 1/10W	
R17		RK73FB2A102J	CHIP R 1.0K J 1/10W	
R19		RK73FB2A472J	CHIP R 4.7K J 1/10W	
R20		RK73FB2A221J	CHIP R 220 J 1/10W	
R21		RK73FB2A100J	CHIP R 10 J 1/10W	
R23		RK73FB2A123J	CHIP R 12K J 1/10W	
R24		RK73FB2A752J	CHIP R 7.5K J 1/10W	
R25		RK73FB2A104J	CHIP R 100K J 1/10W	
R26		RK73FB2A753J	CHIP R 75K J 1/10W	
R27		RK73FB2A562J	CHIP R 5.6K J 1/10W	
R28		RK73FB2A105J	CHIP R 1.0M J 1/10W	
R29		RK73FB2A561J	CHIP R 560 J 1/10W	
R30		RK73FB2A333J	CHIP R 33K J 1/10W	
R31		RK73FB2A432J	CHIP R 4.3K J 1/10W	
R32		RK73FB2A182J	CHIP R 1.8K J 1/10W	
R33		RK73FB2A100J	CHIP R 10 J 1/10W	
R34		RK73FB2A273J	CHIP R 27K J 1/10W	
R35		RK73FB2A472J	CHIP R 4.7K J 1/10W	
W1		R92-2052-05	CHIP R 0 J 1/10W	
D1	*	KV1410(2,3)	VARIABLE CAPACITANCE DIODE	
D2		RN739D	DIODE	
D3	*	KV1410(2,3)	VARIABLE CAPACITANCE DIODE	
D4		RN739D	DIODE	

E: KRC-152LG E1: KRC-152LA E2: KRC-152LYG E3: KRC-152LYA E4: KRC-159RG  
 E5: KRC-159RA E6: KRC-159RYG E7: KRC-159RYA E8: KRC-11RG E9: KRC-11RA

⚠ indicates safety critical components.

# KRC-11R, 152L, 159R

## SPECIFICATIONS

		KRC-159RG/RA KRC-159RYG/RYA	KRC-11RG/RA	KRC-152LG/LA KRC-152LYG/LYA
Tuner type		CR2	CR2	CR2
	Frequency Range(MHz) (Frequency step)	87.5MHz-108.0MHz (50kHz)	87.5MHz-108.0MHz (50kHz)	87.5MHz-108.0MHz (50kHz)
FM	Usable Sensitivity (S/N26dB)	0.7 $\mu$ V/75 $\Omega$	0.7 $\mu$ V/75 $\Omega$	0.7 $\mu$ V/75 $\Omega$
	Quieting Sensitivity (S/N46dB)	1.6 $\mu$ V/75 $\Omega$	1.6 $\mu$ V/75 $\Omega$	1.6 $\mu$ V/75 $\Omega$
	Frequency Response ( $\pm$ 3.0dB)	30Hz-15kHz	30Hz-15kHz	30Hz-15kHz
	S/N(dB)	65dB(MONO)	65dB(MONO)	65dB(MONO)
	Selectivity(DIN)(dB)	$\geq$ 80dB( $\pm$ 400kHz)	$\geq$ 80dB( $\pm$ 400kHz)	$\geq$ 80dB( $\pm$ 400kHz)
	Stereo Separation	35dB(1kHz)	35dB(1kHz)	35dB(1kHz)
MW	Frequency Range(kHz) (Frequency step)	531kHz-1611kHz (9kHz)	531kHz-1611kHz (9kHz)	531kHz-1611kHz (9kHz)
	Usable Sensitivity (S/N20dB)	25 $\mu$ V	25 $\mu$ V	25 $\mu$ V
LW	Frequency Rang(kHz)	153kHz-281kHz	153kHz-281kHz	153kHz-281kHz
	Usable Sensitivity (S/N20dB)	45 $\mu$ V	45 $\mu$ V	45 $\mu$ V
CASSETTE	Tape speed	4.76cm/sec.	4.76cm/sec.	4.76cm/sec.
	Wow/Flutter(wrms)(%)	0.12%(WRMS)	0.12%(WRMS)	0.12%(WRMS)
	Frequency Response (Hz) ( $\pm$ 3.0dB)	30~14kHz(120 $\mu$ s)	30~14kHz(120 $\mu$ s)	30~14kHz(120 $\mu$ s)
	Separation(dB)	40dB(1kHz)	40dB(1kHz)	40dB(1kHz)
	S/N(dB) Dolby NR OFF Dolby B NR on Dolby C NR on	54dB	54dB	54dB
Preout Level(mV)/Load		1800mV/10k $\Omega$		
Preout Impedance( $\Omega$ )		$\leq$ 600 $\Omega$		
AMPLIFIER	PWR(MAX)	35Wx4	30Wx4	30Wx4
	PWR DIN45324, +B=14.4V	25Wx4	20Wx4	20Wx4
TONE	Bass	100Hz $\pm$ 10dB	100Hz $\pm$ 10dB	100Hz $\pm$ 10dB
	Treble	10kHz $\pm$ 10dB	10kHz $\pm$ 10dB	10kHz $\pm$ 10dB
GENERAL	Operating voltage (11~16V allowable)	14.4V	14.4V	14.4V
	Current Consumption	10A	10A	10A
	Installation Size (W) (H) (D)	182(mm)	182(mm)	182(mm)
		53(mm)	53(mm)	53(mm)
		154(mm)	154(mm)	154(mm)
Weight	1400g	1400g	1400g	

## KENWOOD CORPORATION

14-6, Dogenzaka 1-chome, Shibuya-ku, Tokyo, 150-8501 Japan

### KENWOOD SERVICE CORPORATION

P.O. Box 22745, 2201 East Dominguez Street,  
Long Beach, CA90801-5745, U.S.A.

### KENWOOD ELECTRONICS CANADA INC.

6070 Kestrel Road, Mississauga, Ontario, Canada L5T 1S8

### KENWOOD ELECTRONICS LATIN AMERICA S.A.

P.O. Box 55-2791, Piso 6, Plaza Chase, Cl. 47 y,  
Aquilino de la Guardia, Panama, Republic of Panama

### KENWOOD ELECTRONICS BRASIL LTDA.

Avenida Indianópolis, 628, 04062-001 Planalto Paulista,  
São Paulo-SP-Brasil

### KENWOOD ELECTRONICS UK LIMITED

Kenwood House, Dwight Road, Watford,  
Herts, WD1 8EB, United Kingdom

### KENWOOD ELECTRONICS DEUTSCHLAND GMBH

Rembrücker Str. 15, 63150 Heusenstamm, Germany

### KENWOOD ELECTRONICS FRANCE S.A.

13, Boulevard Ney, 75018 Paris, France

### KENWOOD ELECTRONICS BELGIUM N.V.

Mechelsesteenweg 418, B-1930 Zaventem, Belgium

### KENWOOD ELECTRONICS ITALIA S.p.A.

Via G. Sirtori 7/9, 20129 Milano, Italy

### KENWOOD IBÉRICA S.A.

Bolivia, 239-08020 Barcelona, Spain

### KENWOOD ELECTRONICS AUSTRALIA PTY. LTD.

(A.C.N. 001 499 074)

8 Figtree Drive, Australia Centre, Homebush, N.S.W. 2140, Australia

### KENWOOD & LEE ELECTRONICS LTD.

Unit 3712-3724, Level 37, Tower 1, Metroplaza,  
223 Hing Fong Road, Kwai Fong, N.T., Hong Kong

### KENWOOD ELECTRONICS GULF FZE

P.O.Box 61318, Jebel Ali, Dubai, U.A.E.

### KENWOOD ELECTRONICS (THAILAND) CO., LTD.

573/111 Soi Ramkhamhaeng 39, Ramkhamhaeng Road,  
Wangthonglang, Bangkok, 10310 Thailand

### KENWOOD ELECTRONICS SINGAPORE PTE LTD.

1 Genting Lane, #07-00, Kenwood Building, Singapore 349544

### KENWOOD ELECTRONICS (MALAYSIA) SDN BHD

#4.01 Level 4, Wisma Academy, Lot 4A, Jalan 19/1,  
46300 Petaling Jaya, Selangor, Malaysia