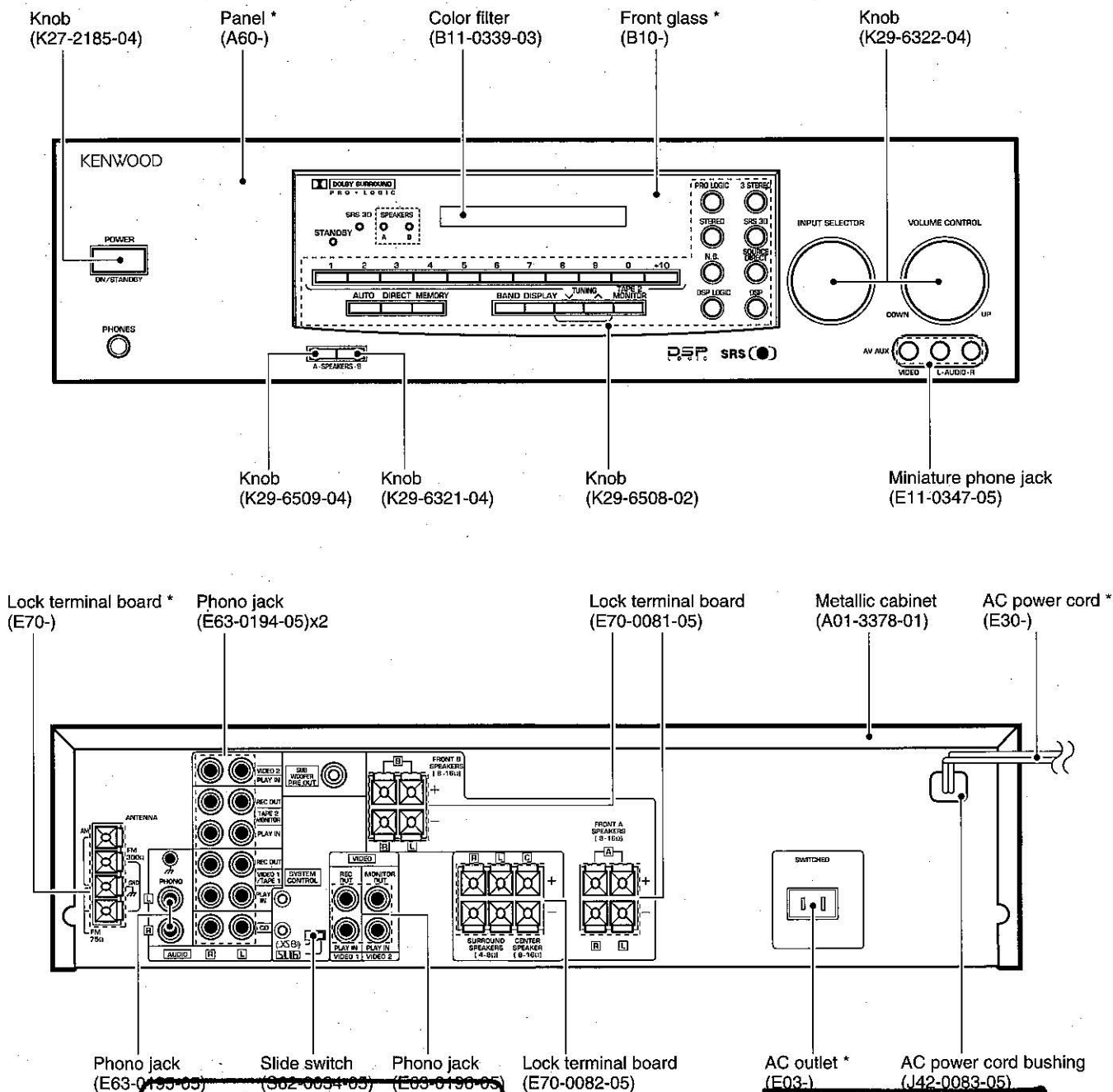


106VR/107VR/KR-797/897/V6090/V7090

SERVICE MANUAL



保存用
 禁帯出

15年保管

9 7 . 1 . 2 2 * Refer to parts list on page 43.

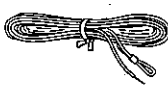
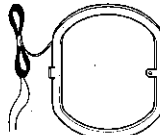
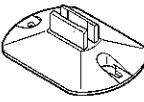
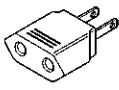

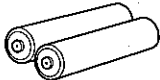


Note: Please check your model name and your destination in parts list before parts order.

CONTENTS / ACCESSORIES

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Accessories

<p>FM indoor antenna (1) * (T90-0801-05) or (T90-0810-05)</p> 	<p>AM loop antenna (1) (T90-0820-05)</p> 	<p>Loop antenna stand (1)</p> 	<p>* AC plug adapter (1) (E03-0115-05)</p>  <p>* Use to adapt the plug on the power cord to the shape of the wall outlet. (Accessory only for regions where use in necessary.)</p>
<p>Remote control unit (1) (A70-1107-05)</p> 	<p>Batteries (R6/AA) (2)</p> 	<p>Shorting pins (2) (J12-0091-15) : KR-797 only</p> 	
<p>Battery cover (A09-0356-08)</p> 			

* Refer to parts list

Instruction manual

KR-V6090/106VR

ENGLISH	B60-2983-00	KPY
FRENCH	B60-2984-00	P
FRE/DUT	B60-2985-00	E
ITA/SPA	B60-2986-00	E
GERMAN	B60-2987-00	E
ENGLISH	B60-2988-00	T
SPANISH	B60-2989-00	M
CHINESE	B60-2990-00	V
TAIWAN	B60-2991-00	M
RUSS/POL	B60-2992-00	Q
ENGLISH	B60-3072-00	MX

KR-V7090/107VR

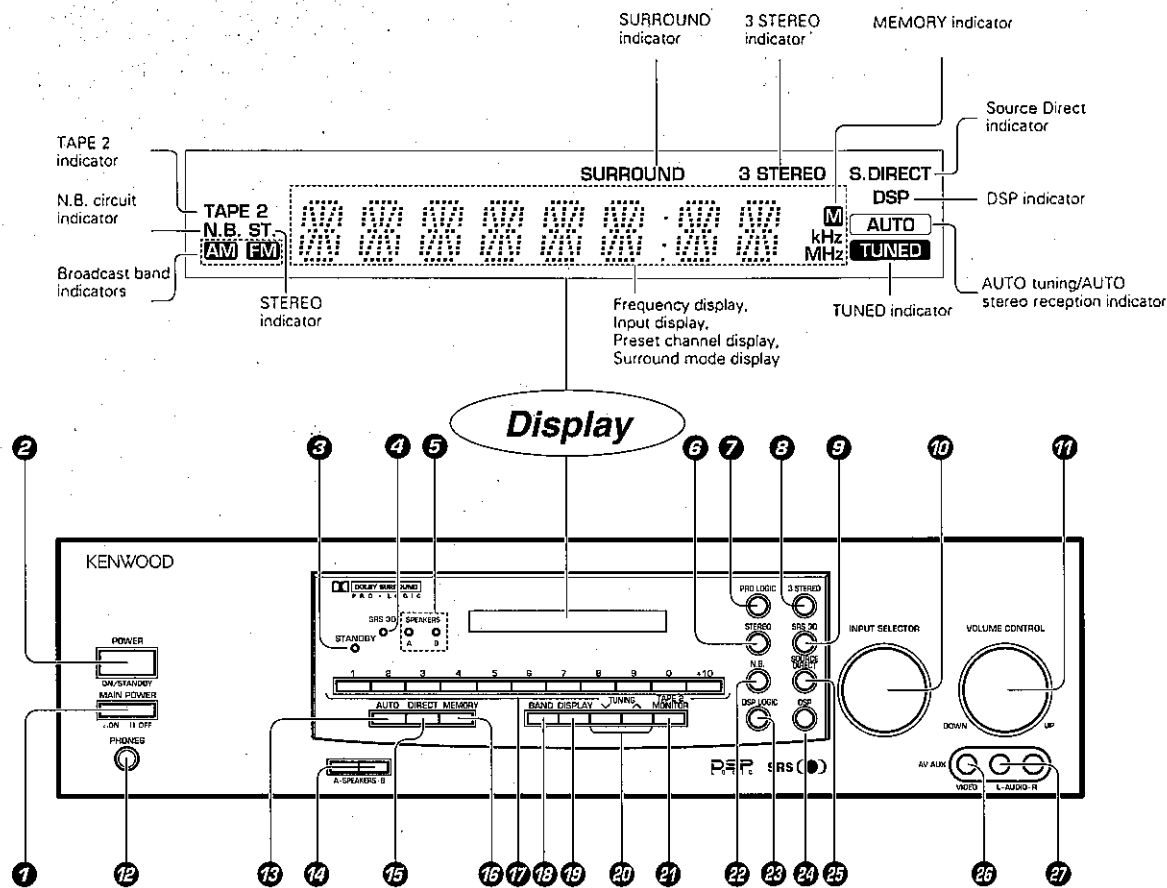
FRENCH	B60-2979-00	P
SPANISH	B60-2980-00	M
CHINESE	B60-2981-00	V
TAIWAN	B60-2982-00	M
ENGLISH	B60-3071-00	MX

KR-797/897

ENGLISH	B60-3069-00	PY
FRENCH	B60-3070-00	P

CONTROLS

Control and indicators



- ① **MAIN POWER switch**
Press to switch the main power ON/OFF.
- ② **REMOTE POWER key**
Press to switch over the STANDBY/ON modes when the MAIN POWER is ON.
- ③ **STANDBY indicator**
- ④ **SRS 3D indicator**
Lights when the SRS 3D system is ON.
- ⑤ **SPEAKERS indicator**
Lights when the speakers are ON.
- ⑥ **STEREO key**
Press to turn the surround mode OFF.
- ⑦ **DOLBY PRO LOGIC key**
- ⑧ **DOLBY 3 STEREO key**
- ⑨ **SRS 3D key**
- ⑩ **INPUT SELECTOR knob**
Rotate to select the input source.
- ⑪ **VOLUME CONTROL knob**
- ⑫ **PHONES jack**
Plug headphones into this jack.
- ⑬ **AUTO key**
Press to select the tuning mode from the auto tuning and manual tuning modes. Press and hold the AUTO key for more than 2 seconds to switch the VIDEO1 display to another input display.
- ⑭ **SPEAKERS A/B keys**
Press to select the A and/or B speakers system.
- ⑮ **DIRECT key**
Press when tuning a broadcast station by entering the digits of its frequencies.
- ⑯ **MEMORY key**
Press when registering a broadcast station in the preset memory.
- ⑰ **Numeric keys (1 to 0, +10)**
- ⑱ **BAND key**
Press to switch the broadcasting band.
- ⑲ **DISPLAY key**
Press to switch the displayed information between the surround mode display and input selector display. Press and hold the DISPLAY key for more than 2 seconds to switch the display brightness.
- ⑳ **TUNING keys (∇, ▲)**
Press to select a radio station.
- ㉑ **TAPE 2 MONITOR key**
Press to monitor the sound being recorded, etc.
- ㉒ **N.B. key**
Press to compensate for the insufficiency in the base sound.
- ㉓ **DSP LOGIC key**
- ㉔ **DSP key**
- ㉕ **SOURCE DIRECT key**
Press to listen to the source sound with a higher sound quality.
- ㉖ **AV AUX (VIDEO) input terminals**
Video input terminal.
- ㉗ **AV AUX (AUDIO) input terminals**
Audio input terminal.

STANDBY position of the REMOTE POWER key

When the STANDBY indicator of this unit is lit after its power cord has been plugged into wall outlet and the MAIN POWER switch has been pressed to ON, a small amount of current is supplied to back up the internal memory of the unit. This status is referred to as the standby mode of the unit. While the STANDBY indicator is lit, the POWER can be switched between ON and STANDBY from the remote control unit. When the unit is not to be used for a long period of time, press the MAIN POWER key to OFF.

CONTROLS

Operation of remote control unit

Names of keys and their functions

The remote control unit provided with the receiver can also control KENWOOD cassette decks, CD player and MD recorder connected to the receiver through system control cords. For details of the controllable functions, refer to the instruction manuals of these components.

Model: RC-R0505
Infrared ray system

Numeric keys
Used as the numeric keys of the input source component being selected.

INPUT keys
Press to select the input.

CENTER MODE key -22
Press to select the center mode in the DOLBY PRO LOGIC surround mode.

SETUP key -13 -22
Press to set up the balance or surround play.

LEVEL CONTROL keys -13 -22
Press to adjust the tone or during setup of the surround mode.

POWER key
Press to switch ON/OFF the power of this unit as well as the KENWOOD components connected to it through system control cords.

Refer to the remote control key correspondence table on the next page.

MUTE key
Press to mute sound temporarily.

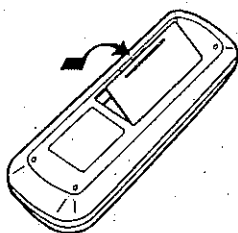
VOLUME CONTROL keys
Press to adjust the volume.

LISTEN MODE key -24 -25
Press to select the type of the surround mode.

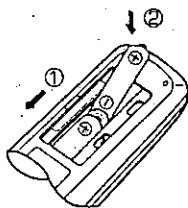
SOUND key -13 -26
Press to adjust the tone.

Loading batteries

① Remove the cover.

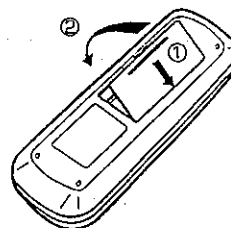


② Insert batteries.



• Insert two AA-size (R6 / SUM-3) batteries as indicated by the polarity marking.

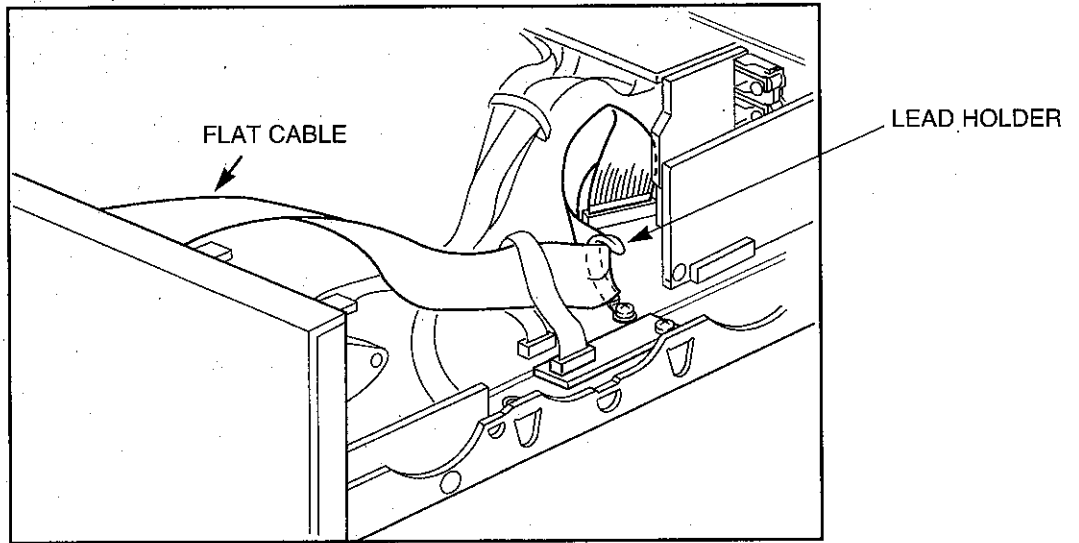
③ Close the cover.



DISASSEMBLY FOR REPAIR

※ **CAUTION FOR REPAIR**

Keep a flat cable away from heatsink for safety, and tie it with the lead holder as illustration if disassembled for repair.



CIRCUIT DESCRIPTION

1. INITIAL STATE

(1) AMP-related block

- POWER ON STAND BY POWER OFF
- AUDIO SELECTOR TUNER
- VIDEO SELECTOR VIDEO 1
- VIDEO OUT SOURCE VIDEO 1
- SPEAKER A ON
- SPEAKER B OFF
- TAPE 2 MONITOR OFF
- SOURCE DIRECT OFF
- SOUND ADJUST MODE BASS
- BASS 0 STEP
- MID 0 STEP
- TREBLE 0 STEP
- SRS 3D OFF
- SRS CENTER
- VOLUME 7 step
- N. B. CIRCUIT OFF

(2) SURROUND-related block

- SURROUND MODE STEREO (SURROUND OFF)
- DSP MODE ARENA
- DSP LOGIC MODE LARGE
- CENTER MODE NORMAL
- SET UP MODE OFF
- DISTANCE
 - DSP/DSP LOGIC 30ms
 - DOLBY PRO LOGIC 20ms
- BALANCE CENTER
- CENTER LEVEL 0 STEP
- REAR LEVEL 0 STEP
- SUB WOOFER 0 STEP (SUB WOOFER OFF)

(3) Tune-related block

- BAND FM
- FREQUENCY 87.5MHZ(K/E/Q TYPE)
- P.CH DISPLAY --CH
- RDS MEMORY NO DATA
- POLAR/PILOT(Q TYPE) POLAR

(4) TEST PRESET FREQUENCY

Channel	BAND	K1 TYPE	BAND	K2 TYPE	BAND	E1/E3 TYPE	BAND	Q TYPE
01ch	FM	87.50MHz	FM	87.50MHz	FM	87.50MHz	FM	87.50MHz
02ch	FM	97.50MHz	FM	97.50MHz	FM	97.50MHz	FM	98.00MHz
03ch	FM	108.00MHz	FM	108.00MHz	FM	108.00MHz	FM	108.00MHz
04ch	AM	630kHz	AM	630kHz	AM	630kHz	AM	630kHz
05ch	AM	1000kHz	AM	1000kHz	AM	999kHz	AM	999kHz
06ch	AM	1440kHz	AM	1440kHz	AM	1440kHz	AM	1440kHz
07ch	FM	87.50MHz	FM	87.50MHz	FM	87.50MHz	FML	74.00MHz
08ch	FM	87.50MHz	FM	87.50MHz	FM	87.50MHz	FML	65.00MHz
09ch	FM	87.50MHz	FM	87.50MHz	FM	87.50MHz	FML	69.00MHz
10ch	FM	89.10MHz	FM	89.10MHz	FM	89.10MHz	FM	89.10MHz
11ch	FM	90.00MHz	FM	90.00MHz	FM	90.00MHz	FM	90.00MHz
12ch	FM	98.00MHz	FM	98.00MHz	FM	98.00MHz	FM	97.50MHz
13ch	FM	98.50MHz	FM	98.50MHz	FM	98.50MHz	FM	98.50MHz
14ch	FM	106.00MHz	FM	106.00MHz	FM	106.00MHz	FM	106.00MHz
15ch	AM	530kHz	AM	530kHz	AM	531kHz	AM	531kHz
16ch	AM	990kHz	AM	990kHz	AM	990kHz	AM	990kHz
17ch	AM	1700kHz	AM	1610kHz	AM	1602kHz	AM	1602kHz
18ch	FM	87.50 MHz	FM	87.50MHz	FM	87.50MHz	FM	87.50MHz
19ch	FM	87.50MHz	FM	87.50MHz	FM	87.50MHz	FM	87.50MHz
20ch	FM	87.50MHz	FM	87.50MHz	FM	87.50MHz	FM	87.50MHz

The initial setting is performed in a following event :

1. When backup memory data is destroyed when reset is applied to the microprocessor.
2. When the power cord is plugged in to the AC wall outlet while pressing the POWER key.

CIRCUIT DESCRIPTION

2. BACK UP

For the operation outline and backup state setting, refer to KR-V7080/V8080 service manual (B51-5162-00).

(1) Contents of back up data to be held.

---- AMP ----

- POWER STANDBY ON/OFF
- SELECTOR SOURCE
- VIDEO 1 SELECTOR SOURCE
- VIDEO OUT SOURCE
- TAPE2 MONITOR ON/OFF
- SPEAKER A RELAY ON/OFF
- SPEAKER B RELAY ON/OFF
- VOLUME LEVEL VALUE
- SOUND ADJUST MODE
- BASS LEVEL
- MID LEVEL
- TREBLE LEVEL
- SRS 3D ON/OFF
- SRS CENTER LEVER
- SRS SPACE LEVEL

- SOURCE DIRECT ON/OFF
- N.B. CIRCUIT ON/OFF

---- SURROUND ----

- SURROUND MODE
- DSP MODE
- DSP LOGIC MODE
- CENTER MODE
- DISTANCE
- BALANCE LEVEL
- CENTER LEVEL
- REAR LEVEL
- SUB WOOFER LEVEL

---- TUNER ----

- BAND
- RECEIVING STATION FREQUENCY data
- PRESET MEMORY data
- RDS MEMORY
- POLAR/PILOT

3. DESTINATION LIST OF TUNER

Table 3-1 Destination List of Tuner

Destination	BAND	Receive frequency range	channel space	1F	PLL reference frequency	Destination DSW(X09-)		
						DSW2	DSW1	DSW0
						D114	D113	D112
K1 (1700)	FM	87.5MHz~108.0MHz	100kHz	+10.7MHz	25kHz	0	0	0
	AM	530kHz~1700kHz	10kHz	+450kHz	10kHz			
K2 (1610)	FM	87.5MHz~108.0MHz	100kHz	+10.7MHz	25kHz	0	0	1
	AM	530kHz~1610kHz	10kHz	+450kHz	10kHz			
E1	FM	87.5MHz~108.0MHz	50kHz	+10.7MHz	25kHz	0	1	1
	AM	531kHz~1602kHz	9kHz	+450kHz	9kHz			
E3 (RDS)	FM	87.5MHz~108.0MHz	50kHz	+10.7MHz	25kHz	1	0	1
	AM	531kHz~1602kHz	9kHz	+450kHz	9kHz			
Q(RDS)	FML	65.0MHz ~74.0MHz	10kHz	+10.7MHz	5kHz			
	FMH	87.5MHz~108MHz	50kHz	+10.7MHz	5kHz	1	1	1
	AM	531kHz~1602kHz	9kHz	+450kHz	9kHz			
M	K2/E1 changes by only setting "DSW1". (DSW 1=0 : K2 Type, 1 : E1 Type)					0	X	1

DIODE SW(DSWX) : 0 = Without DIODE (When static, input LOW)

1 = With DIODE(When static, input HIGH)

X = TRANSISTOR SW (0 = OFF 1=ON)

4. DESTINATION AND MODEL LIST

MODEL \ FUNCTION	DSP/DSP LOGIC	FRONT AUX	SPEAKER B	MODEL SELECTION SW	
				DSW3 (DI22)	DSW4 (DI23)
KR-V7090	0	0	0	0	1
KR-V6090	X	X	X	1	0
KR-V5090	X	X	X	0	0

CIRCUIT DESCRIPTION

5. KEY MATRIX

[() : μ -Com IC port] X09 IC21

KSCN \ KRTN	KR0(14)	KR1(15)	KR2(16)	KR3(17)	KR4(18)
KS1 (54)	SP.A	STEREO/MONO	*1 SP.B	—	—
KS2 (53)	—	3 (10 KEY)	POWER ON/ST	1 (10KEY)	2 (10 KEY)
KS3(52)	+10	TAPE2	T.DOWN	*RTY	*TA/NEWS INFO.
KS4(51)	DSP/P.UP	S.DIRECT	N.B	DSP L./P.KOWN	9 (10 KEY)
KS5(50)	0 (10 KEY)	T.UP	DISPLAY	BAND	7 (10 KEY)
KS6(49)	6 (10 KEY)	4 (10 KEY)	5 (10 KEY)	DIRECT	MEMORY
KS7(48)	3 ST	SRS 3D	STEREO	PRO LOGIC	8 (10 KEY)
KS8(47)	DSW0 (D123)	DSW1 (D122)	DSW2 (D114)	DSW3 (D113)	DSW4 (D112)

* 1 KR-V7090 ONLY

* 2, 3 E3/Q TYPE (RDS) ONLY

6. TEST MODE

For the **TEST MODE** of main unit and **SERIAL TEST MODE**, refer to service manual (B51-5162-00) of KR-V7080/V8080.

The only change point is as follows.

(1) One touch setting's for Audio Level and Surround Level items.

The variation of Audio Level and Surround Level items can be set with respective keys and, if the selector is on something other than TUNER, direct settings can be made with the number keys.

KEY \ MODEL	KR-V7080/V8080	105VR/106VR/107VR KR-797/897/XX90SERIES
	FUNCTION	
KEY [4]	BALANCE	BALANCE ↔ SUB WOOFER LEVEL
KEY [5]	BASS	[BASS → MIDDLE → TREBLE]
KEY [6]	TREBLE	REAR LEVEL
KEY [7]	SUB WOOFER	CENTER LEVEL
KEY [8]	REAR LEVEL	DELAY TIME
KEY [9]	CENTER LEVEL	SRS CENTER ↔ SPACE
KEY [0]	DELAY TIME	MULTI CONTROL UP
KEY [+10]	EFFECT LEVEL	MULTI CONTROL DOWN

CIRCUIT DESCRIPTION

(2) SERIAL TEST CODE LIST (C2XXH)

TYPE FUNC	AMP								TUNER							
	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0	POWER OFF	CD DIRECT OFF	SP B OFF	DUAL SOUND LEVEL1	NB OFF	TV/SAT (TV/CASLE) (INPUT)	INPUT LEVEL MIN	CENTER SP ON	POWER OFF	0	MEMORY (ENTER)					
1	POWER ON	CD DIRECT ON	SP B ON	DUAL SOUND LEVEL2	OMNI SP ON	FRONT SP ON	INPUT LEVEL MID	CENTER SP OFF	POWER ON	1	MAIN					
2	PHONO	CD REC OFF	HIT MASTER OFF	DUAL SOUND LEVEL3	MUTING (-30dB) OFF	FRONT SP OFF	INPUT LEVEL MAX	MD MONITOR ON	MUTE OFF	2	SUB					
3	CD	CD REC ON	HIT MASTER ON	DUAL SOUND INPUT CD	MUTING (-30dB) ON	C/S SP ON	DIMMER OFF	MD MONITOR OFF	MUTE ON	3	BOTH					
4	TUNER	SOURCE DIRECT OFF	MOTOR VOL UP	DUAL SOUND INPUT TUNER	NB LEVEL1	C/S SP OFF	DIMMER 1	REC MODE ON	AUTO STEREO	4	AF					
5	TAPE (TAPE A)	SOURCE DIRECT ON	MOTOR VOL DOWN	DUAL SOUND INPUT TAPE	NB LEVEL2	C/S MUTE ON	DIMMER 2	REC MODE OFF	MONO	5	PTY					
6	TAPE2 (TAPE B)	LINE STRAIGHT OFF	MOTOR VOL STOP	DUAL SOUND INPUT MD/DAT	NB LEVEL3	VIDEO5	IR REPEATER TEST	REC OUT OFF POSITION	TUNED OFF	6	DISPLAY					
7	AUX	SINE STRAIGHT ON	DBS/TV	DUAL SOUND INPUT VIDEO	BALANCE Lch MAX	MENU	MD (INPUT)		TUNED ON	7	ANTENNA A					
8	DAT	LOUDNESS OFF	TAPE2 MONITOR OFF	DUAL SOUND INPUT AV/AUX	BALANCE Rch CENTER	TOPE CONTROL OFF	TV (INPUT)		ACTIVE RECEPTION OFF	8	ANTENNA B					
9	VIDEO1 (VIDEO)	LOUDNESS ON	TAPE2 MONITOR ON	BGM OFF	BALANCE Rch MAX	TOPE CONTROL ON	CABLE/Sat (INPUT)	FL ALL OFF OFF	ACTIVE RECEPTION ON	9	PS DISPLAY					FL ALL OFF OFF
A	VIDEO2	SUB SONIC OFF	VIDEO MUTE ON	BGM ON	L.A.C. MAIN MAX	BASS MIN	SUB MUTE ON	FL ALL OFF ON	RF DIRECT (ATT ON)	+10	SIGNAL LEVEL DISP OFF					FL ALL OFF ON
B	VIDEO3	SUB SONIC ON	LAC VOL UP	FAN OFF	L.A.C. MAIN/SUB CENTER	BASS MID	REC MUTE ON	ALL ON OFF	RS DISTANCE (ATT OFF)	BAND FM	SIGNAL LEVEL DISP ON					ALL ON OFF
C	VIDEO4 (VDP)	SUPER WOOFER OFF	LAC VOL DOWN	FAN ON	L.A.C. SUB MIN	BASS MIX	BASS DOWN	ALL ON ON	IF WIDE	BAND AM/MW	TUNER DIRECT					ALL ON ON
D	MUTE ON (MAIN)	SUPER WOOFER ON	LAC VOL STOP	FAN SPEED LOW	FAN STOP LOW	TREBLE MIN	BASS UP	AMP INITIAL	IF NORMAL	BAND TV/LW						TUNER INITIAL
E	SEL MUTE ON	SPEAKER A OFF (FRONT)	DUAL SOUND OFF	FAN SPEED HIGH	FAN STOP HIGH	TREBLE MID	TREBLE DOWN	AMP SERIAL TEST OFF	IF NARROW	DOWN						TUNER SERIAL TEST OFF
F	MUTE ALL OFF	SPEAKER A ON (FRONT)	DUAL SOUND ON	NB ON	LD (INPUT)	TREBLE MAX	TREBLE UP	AMP SERIAL TEST ON	DIRECT	UP						TUNER SERIAL TEST ON

■ : Sending code □ : Receiving code

(C3XXH)

TYPE FUNC	SURROUND								GE							
	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0	POWER OFF	REAR MUTE ON	ASFG MAX	ACOUSTIC BGM	PRESENCE GAME	ECHO 2	SUB WOOFER LEVEL MIN	MIDNIGHT OFF	POWER OFF	EQ JAZZ						
1	POWER ON	MUTE ALL OFF	SEAT POS MIN	CINEMA SCREEN OFF	PRESENCE KARAOKE	PRESENCE HIT MASTER	SUB WOOFER LEVEL MID	MIDNIGHT 1	POWER ON	EQ FUSION						
2	STEREO BYPASS/OFF	CENTER LEVEL MIN	SEAT POS MID	CINEMA SCREEN 1	F.2ch	THK	SUB WOOFER LEVEL MAX	MIDNIGHT 2	MUTE OFF	EQ MOVIE						
3	DOLBY SURROUND NORMAL/WID	CENTER LEVEL MID	SEAT POS MAX	CINEMA SCREEN 2	DOLBY SURROUND (PHANTOM)	MONO	3D STEREO ON	MIDNIGHT 3	MUTE ON							
4	DOLBY 3 STEREO	CENTER LEVEL MAX	WALL MIN	CINEMA SCREEN 3	DEPTH OFF	INPUT LEVEL MIN	3D STEREO OFF	AC-3 ON	EQ OFF							
5	DSP	REAR R LEVEL MIN	WALL MID	CH MODE 2ch	DEPTH ON	INPUT LEVEL MID	3D STEREO LEVEL 1	SURROUND AUTO	EQ ON							
6	DSP LOGIC	REAR R LEVEL MID	WALL MAX	CH MODE 3ch	DEPTH MODE VOCAL	INPUT LEVEL MAX	3D STEREO LEVEL 2		M1 (ALL CEN)							
7	S.4ch	REAR R LEVEL MAX	ROOM SIZE MIN	CH MODE 4ch	DEPTH MODE INSTRUMENT	FRONT L LEVEL MIN	3D STEREO LEVE 3		M2 (ALL MAX)							
8	F.4ch	DELAY TIME MIN	ROOM SIZE MID	CH MODE 5ch	DEPTH LEVEL MIN	FRONT L LEVEL MID	3D STEREO LEVE 4		M3 (ALL MIN)							
9	CENTER MODE NORMAL	DELAY TIME MID	ROOM SIZE MAX	DSP THROUGH	DEPTH LEVEL MID	FRONT L LEVEL MAX	3D STEREO LEVE 5	FL ALL OFF OFF	EEPROM TEST							FL ALL OFF OFF
A	CENTER MODE WIDE	DELAY TIME MAX	STEREO (KARAOKE)	DSP ARENA	DEPTH LEVEL MAX	FRONT R LEVEL MIN	KEYCON 0	FL ALL OFF ON	EEPROM TEST OK							FL ALL OFF ON
B	CENTER MODE PHANTOM	(PRESENCE) EFFECT LEVEL MIN	MULTI (KARAOKE)	DSP JAZZ CLUB	SUB(OMNI) MUTE ON	FRONT R LEVEL MID	KEYCON 1	ALL ON OFF	EEPROM TEST NG							ALL ON OFF
C	TEST TONE OFF	(PRESENCE) EFFECT LEVEL MID	HIFI MULTI (KARAOKE)	DSP STADIUM	DSP LOGIC LARGE	FRONT R LEVEL MAX	KEYCON 2	ALL ON ON	LINE ON							ALL ON ON
D	TEST TONE ON	(PRESENCE) EFFECT LEVEL MAX	NORMAL (KARAOKE)	PRESENCE DISCO THEQUE	DSP LOGIC SMALL	REAR L LEVEL MIN	MATRIX SURROUND OFF	SURROUND INITIAL	TAPE ON							GE INITIAL
E	FRONT MUTE ON	ASFG MIN	ACOUSTIC NON DIRE1	PRESENCE CHURCH	ECHO OFF	REAR L LEVEL MID	MATRIX SURROUND ON	SURROUND SERIAL TEST OFF	EQ POP							GE SERIAL TEST OFF
F	CENTER MUTE ON	ASFG MID	ACOUSTIC NON DIRE2	PRESENCE MOVIE	ECHO 1	REAR L LEVEL MAX	KEYCON OFF	SURROUND SERIAL TEST ON	EQ ROCK							GE SERIAL TEST ON

■ : Sending code □ : Receiving code

CIRCUIT DESCRIPTION

(C4XXH)

H L	VOLUME LEVEL															
	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0	VOLUME 0	VOLUME 16	VOLUME 32	VOLUME 48	VOLUME 64	VOLUME 80										
1	VOLUME 1	VOLUME 17	VOLUME 33	VOLUME 49	VOLUME 65	VOLUME 81										
2	VOLUME 2	VOLUME 18	VOLUME 34	VOLUME 50	VOLUME 66	VOLUME 82										
3	VOLUME 3	VOLUME 19	VOLUME 35	VOLUME 51	VOLUME 67	VOLUME 83										
4	VOLUME 4	VOLUME 20	VOLUME 36	VOLUME 52	VOLUME 68	VOLUME 84										
5	VOLUME 5	VOLUME 21	VOLUME 37	VOLUME 53	VOLUME 69	VOLUME 85										
6	VOLUME 6	VOLUME 22	VOLUME 38	VOLUME 54	VOLUME 70	VOLUME 86										
7	VOLUME 7	VOLUME 23	VOLUME 39	VOLUME 55	VOLUME 71	VOLUME 87										
8	VOLUME 8	VOLUME 24	VOLUME 40	VOLUME 56	VOLUME 72	VOLUME 88										
9	VOLUME 9	VOLUME 25	VOLUME 41	VOLUME 57	VOLUME 73	VOLUME 89										
A	VOLUME 10	VOLUME 26	VOLUME 42	VOLUME 58	VOLUME 74	VOLUME 90										
B	VOLUME 11	VOLUME 27	VOLUME 43	VOLUME 59	VOLUME 75	VOLUME 91										
C	VOLUME 12	VOLUME 28	VOLUME 44	VOLUME 60	VOLUME 76	VOLUME 92										
D	VOLUME 13	VOLUME 29	VOLUME 45	VOLUME 61	VOLUME 77	VOLUME 93										
E	VOLUME 14	VOLUME 30	VOLUME 46	VOLUME 62	VOLUME 78	VOLUME 94										
F	VOLUME 15	VOLUME 31	VOLUME 47	VOLUME 63	VOLUME 79	VOLUME 95										

■ : Sending code □ : Receiving code

(C5XXH)

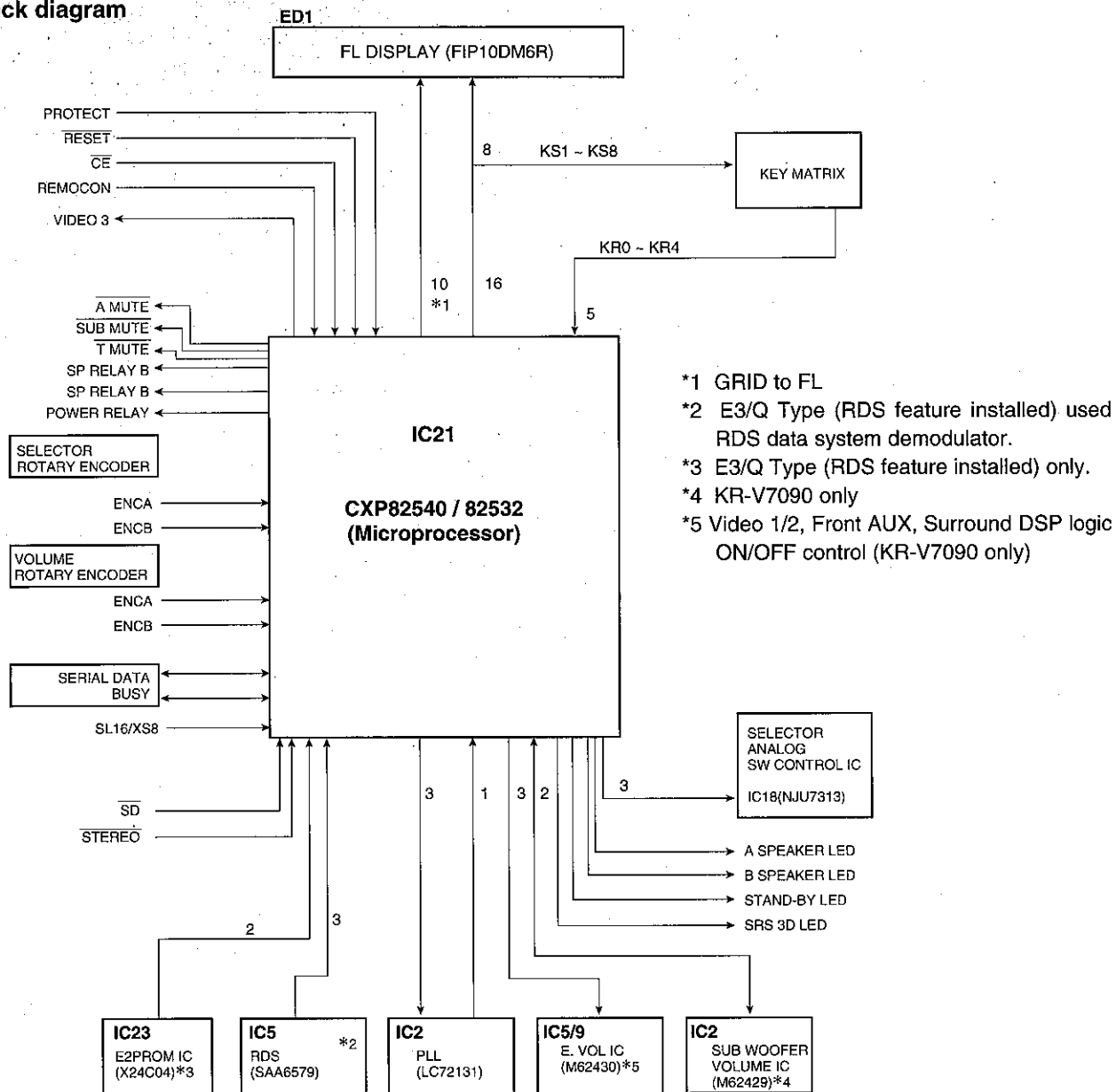
H L	VOLUME LEVEL															
	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0	RF RECEIVE CHANNEL SET	MIDDLE MIN														
1	RF TRANSMIT CHANNEL SET	MIDDLE MID														
2	RF TRANSMIT MODULATION	MIDDLE MAX														
3	TRANSMIT NON MODULATION	SRS CENTER MIN														
4	RF BIDIRECTIONAL COM ON	SRS CENTER MID														
5	RF BIDIRECTIONAL COM OFF	SRS CENTER MAX														
6	CONFIGURATION 1	SRS SPACE MIN														
7	CONFIGURATION 2	SRS SPACE MID														
8	CONFIGURATION 3	SRS SPACE MAX														
9	INPUT TYPE AUTO															
A	INPUT TYPE RF															
B	INPUT TYPE DIGITAL OPT															
C	INPUT TYPE DIGITAL COAX															
D	INPUT TYPE ANALOG															
E																
F																

■ : Sending code □ : Receiving code

CIRCUIT DESCRIPTION

7. Microprocessor : CXP82540/82532 (X09 : IC21)

Block diagram



MODEL	UNIT NO	DESTINATION	MICROPROCESSOR
106VR	X09-4510-10	K/P	CXP82532-151Q
106VR	X09-4510-21	Y	CXP82532-151Q
KR-V6090	X09-4510-71	X	CXP82532-151Q
KR-V6090	X09-4512-71	T/E	CXP82540-152Q
107VR	X09-4510-11	K/P	CXP82532-151Q
107VR/KR-V7090	X09-4510-22	Y/M/V	CXP82532-151Q
KR-V7090	X09-4510-72	X	CXP82532-151Q
KR-797	X09-4510-12	K/P	CXP82532-151Q
KR-897	X09-4510-13	K/P	CXP82532-151Q
KR-797	X09-4512-91	Y	CXP82532-151Q
KR-V6090	X09-4513-81	Q	CXP82540-152Q
105VR	X09-4520-10	K/P	CXP82532-151Q
105VR/KR-V5090)	X09-4520-21	Y/M/V	CXP82532-151Q
KR-V5090	X09-4520-71	X	CXP82532-151Q
KR-V5090	X09-4522-71	T/E	CXP82540-152Q
KR-V5090	X09-4523-81	Q	CXP82540-152Q

CIRCUIT DESCRIPTION

7-1. Pin function

Pin No.	Pin name	I/O	Description	Active
1	PLL DO	I	IF count data	—
2	REMOTE	I	Remote control input	—
3	SYSTEM SW	I	Serial SL16/XS8 Selection	—
4~6	NC	—		—
7	SUR ST.	O	Surround IC strobe (LA2786/LV1016)	H
8	VR/SURROUND CK	O	M62430/LA2786/LV1016(Volume/surround) clock	L
9	VR ST	O	M62430(volume)strobe	L
10	VR/SURROUND DATA	O	M62430/LA2786/LV1016(Volume/surround) data	L
11	SEL/PLL CK	O	NJU7312/LC72131(selector/PLL)clock	L
12	SEL ST	O	Selector IC strobe (NJU7312)	L
13	SEL/PLL DATA	O	NJU7312/LC72131(Selector/PLL)data	L
14	KR0	I	Key return 0	H : KEY ON
15	KR1	I	Key return 1	H : KEY ON
16	KR2	I	Key return 2	H : KEY ON
17	KR3	I	Key return 3	H : KEY ON
18	KR4	I	Key return 4	H : KEY ON
19	POLAR/PILOT	O	Tuner polar/pilot selection signal	H : POLAR L : PILOT
20	S.BUSY	I/O	8/16 bit system busy	H : BUSY L : READY
21	S.DATA	I/O	8/16 bit system data	—
*22	S.LEVEL(RDS)	I	Signal level	—
23	STEREO	I	Stereo signal detection	L : STEREO ON
24	SD	I	Synchronized signal detection	L : SD ON
*25	E2PCK	O	E2Prom clock signal	—
*26	E2P DATA	I/O	E2Prom data signal	—
27	SW CK	O	M62429(sub woofer) clock	H
28	SW DA	O	M62429(sub woofer) data	H
29	CE	I	AC OFF(MAIN POWER) detection Signal	L : AC OFF
30	RESET	I	Microprocessor reset	L : RESET ON
31	EXTAL	I	4.19MHz oscillation	—
32	XTAL	O	4.19MHz oscillation	—
33	Vss	—	GND	—
34	PLL CE	O	PLL strobe	L : CE
35	AMUTE	O	Audio mute signal output	H : OFF L : ON
36	POWER	O	Power relay control	H : ON L : OFF
37	VIDEO3	O	Video3 (front Aux) ON/OFF output	H : ON L : OFF
38	BCLASS	O	A high efficiency amp ON/OFF control	H : OFF L : ON
39	TMUTE	O	Tuner mute control	L : MUTE ON
40	SUB MUTE	O	Sub mute signal output	H : OFF L : ON
41	SP.B	O	Speaker B relay control	H : ON L : OFF
42	SP.A	O	Speaker A relay control	H : ON L : OFF
43	SRS	O	SRS 3D LED control output	H : ON L : OFF
44	STAND BY	O	Stand by LED control output	H : ON L : OFF
45	S1	O	FL Segment 1	H : ON
46	S2	O	FL Segment 2	H : ON
47	S3/KS8	O	FL Segment 3/Key scan8	H : ON
48	S4/KS7	O	FL Segment 4/Key scan7	H : ON
49	S5/KS6	O	FL Segment 5/Key scan6	H : ON
50	S6/KS5	O	FL Segment 6/Key scan5	H : ON

CIRCUIT DESCRIPTION

Pin No.	Pin name	I/O	Description	Active
51	S7/KS4	O	FL Segment 7/Key scan4	H : ON
52	S8/KS3	O	FL Segment 8/Key scan3	H : ON
53	S9/KS2	O	FL Segment 9/Key scan2	H : ON
54	S10/KS1	O	FL Segment 10/Key scan1	H : ON
55	S11	O	FL Segment 11	H : ON
56	S12	O	FL Segment 12	H : ON
57	S13	O	FL Segment 13	H : ON
58	S14	O	FL Segment 14	H : ON
59	S15	O	FL Segment 15	H : ON
60	S16	O	FL Segment 16	H : ON
61	10G	O	FL grid 10	—
62	9G	O	FL grid 9	—
63	8G	O	FL grid 8	—
64	7G	O	FL grid 7	—
65	6G	O	FL grid 6	—
66	5G	O	FL grid 5	—
67	4G	O	FL grid 4	—
68	3G	O	FL grid 3	—
69	2G	O	FL grid 2	—
70	1G	O	FL grid 1	—
71	VFDP	—	FL drive power supply (-30V)	—
72	VDD	—	Microprocessor power supply (+5V)	—
73	NC	—	Microprocessor power supply (+5V)	—
74	VOL A	I	Volume encoder input A	—
75	VOL B	I	Volume encoder input B	—
76	SEL A	I	Selector encoder input A	—
77	SEL B	I	Selector encoder input B	—
※ 78	RDS CK	I	RDS clock	—
※ 79	RDS DATA	I	RDS data	—
80	PROTECT	I	Protection signal input	H : PROTECTION ON

※ E/T/Q type only, other types unused.

The RDS PTY AF search always corresponds to a span search of 100kHz. Therefore, a span search of 50kHz cannot be performed.

ADJUSTMENT

FM SECTION INPUT SELECTOR : FM MODE

X05-470X-XX

NO.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	TUNER SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
1	DISCRIMINATOR	(A) 98 MHz, 60dBμ (ANT INPUT) 1 kHz, ±40 kHz DEV : E/T/Q TYPE 1 kHz, ±75 kHz DEV (OTHER TYPE)	Connect a DC voltmeter between pin 1 and pin2 of CN2.	MONO 98.0 MHz	L31	0V	(a)
					L32 (EXCEPT K/P)	Minimum distortion.	
2	DISTORTION (STEREO)	(B) 98 MHz, 60dBμ (ANT INPUT) 1 kHz, ±40 kHz DEV : E/T/Q TYPE 1 kHz, ±67.5 kHz DEV PILOT ±7.5 kHz DEV OTHER TYPE	(E)	AUTO 98.0 MHz	T 1 (A1)	Minimum distortion.	(a)

X05-4690-XX

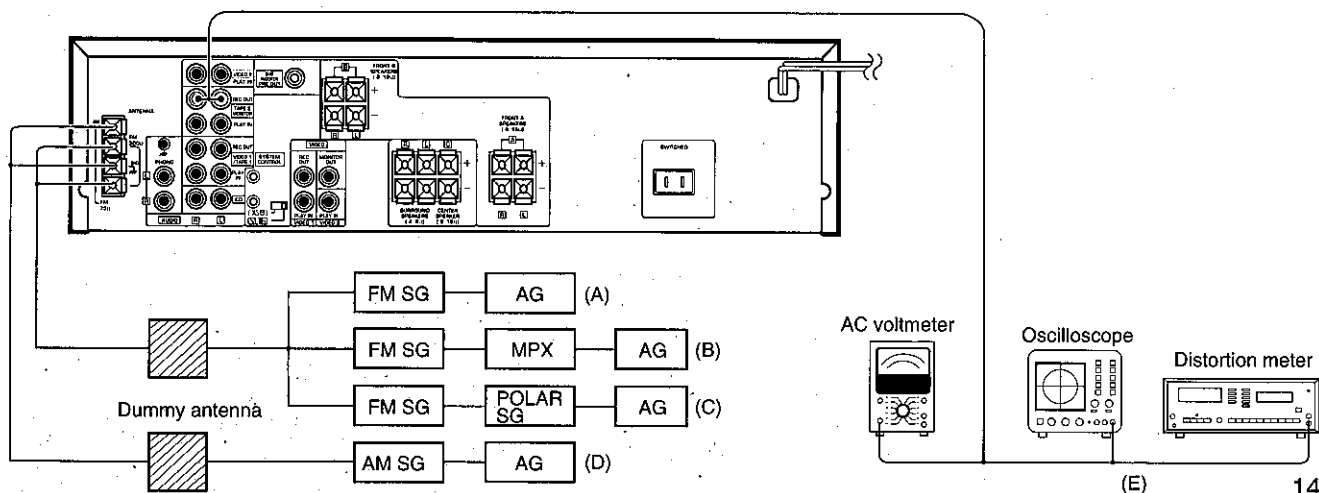
NO.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	TUNER SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
1	DISTORTION (STEREO)	(B) 98 MHz, 60dBμ (ANT INPUT) 1 kHz, ±67.5 kHz DEV PILOT: ±7.5 kHz DEV	(E)	AUTO 98.0 MHz	T1 (A1)	Minimum distortion.	(a)

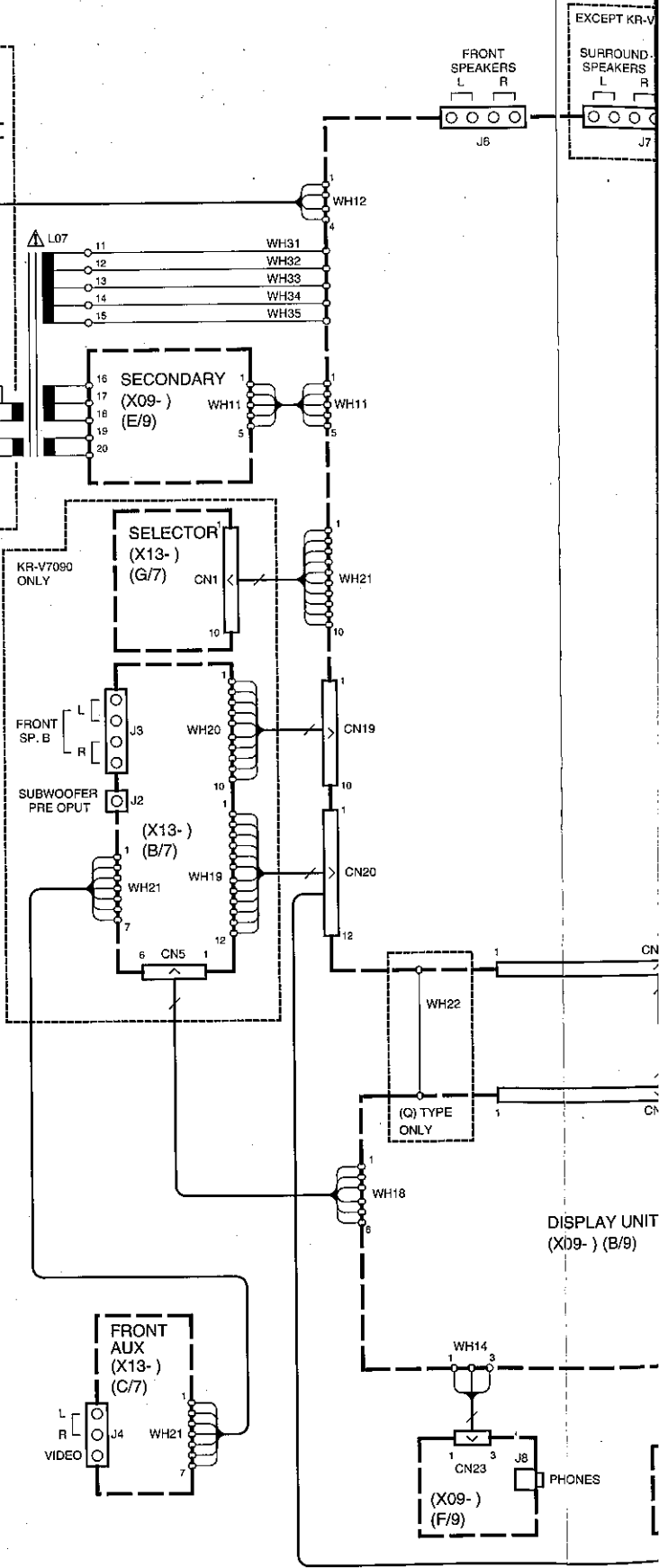
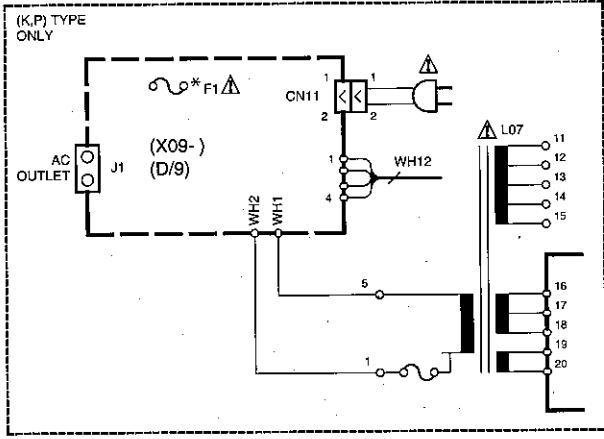
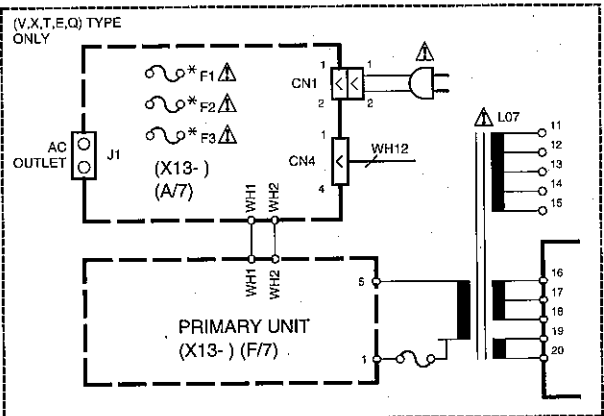
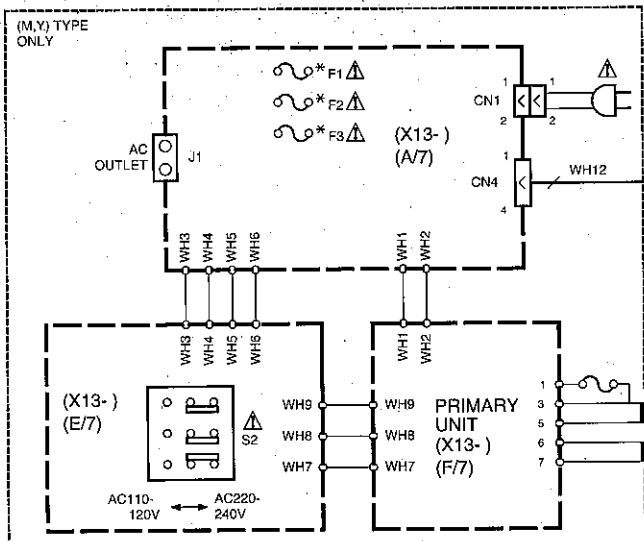
POLAR UNIT

X04-1313-xx Q TYPE (65MHz~74MHz BAND)

NO.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	TUNER SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
1	VCO	(C) 69 MHz, 60 dBμ (ANT INPUT) 1 kHz, 0 kHz DEV SUB, 0 kHz DEV	Connect a frequency counter to VCO monitor (CN2).	AUTO 69 MHz	VR 2	Adjust it the frequency counter reads 31.25 kHz ±100 kHz.	
2	SEPARATION	(C) 69 MHz, 60 dBμ (ANT INPUT) 1 kHz, 40 kHz DEV SUB, 10 kHz DEV Select : L or R	Connect a oscilloscope to TUNER OUT(CN6).	AUTO 69 MHz	TC 1	Minimum crosstalk.	
3	SEPARATION	(C) SAME AS ABOVE	Connect a oscilloscope to TUNER OUT(CN6).	AUTO 69 MHz	VR 1	Minimum crosstalk.	

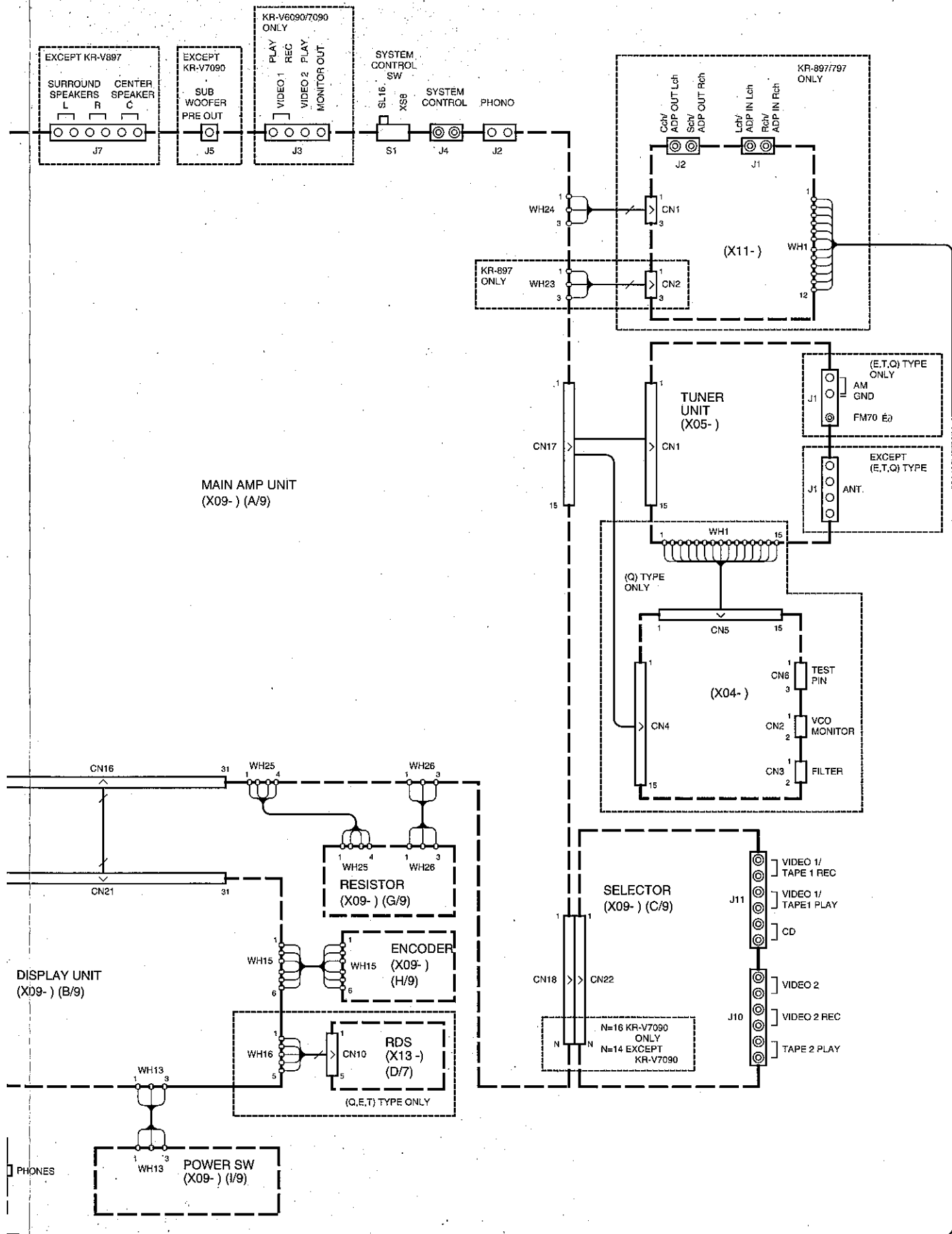
INSTRUMENTS CONNECTION





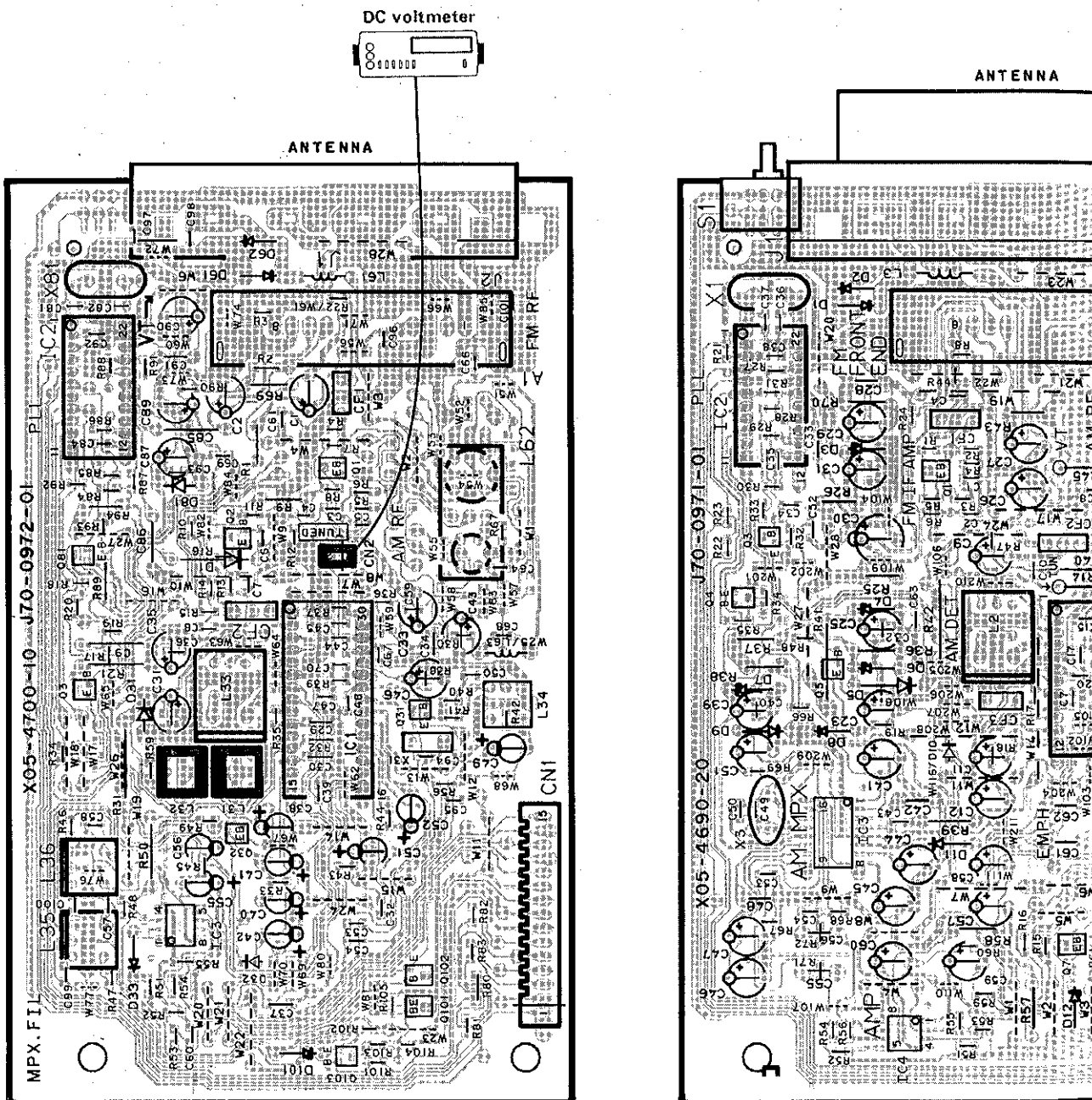
106VR/107VR/KR-797/897/V6090/V7090

WIRING DIAGRAM



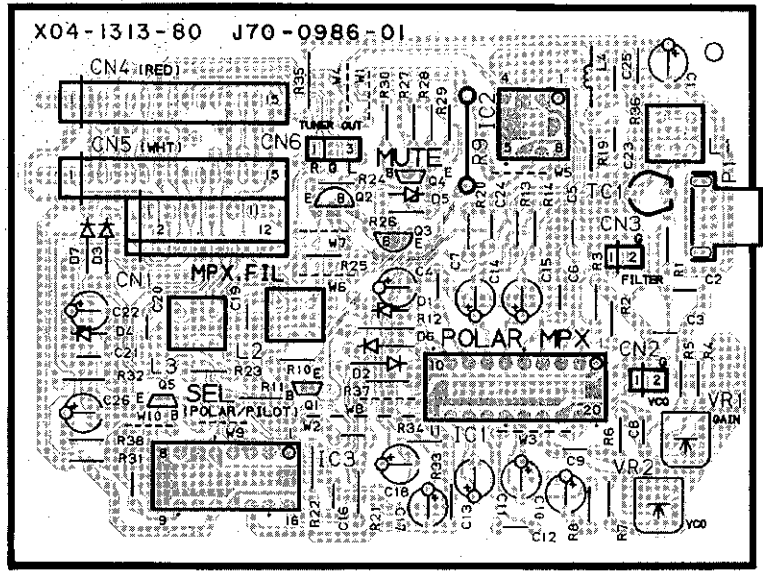
PC BOARD (Component side view)

(a) Discriminator : L31 0V
 L32 Minimum distortion. (Except K,P)

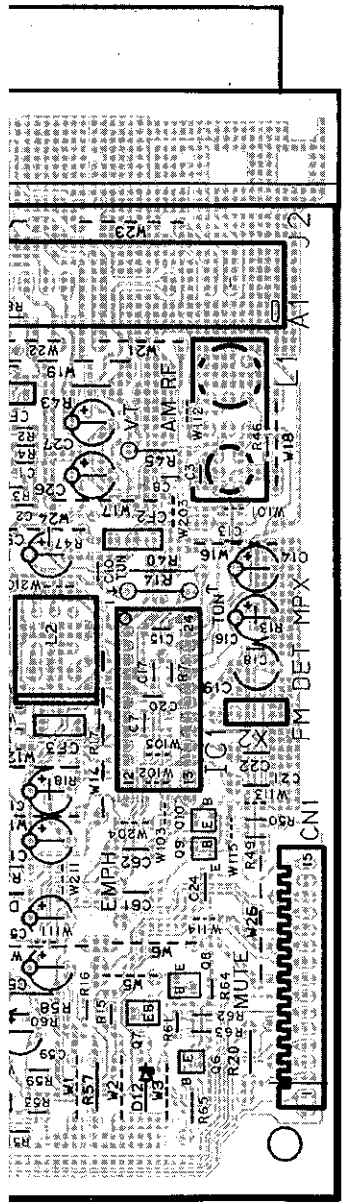


Refer to the schematic diagram for the values of resistors and capacitors.

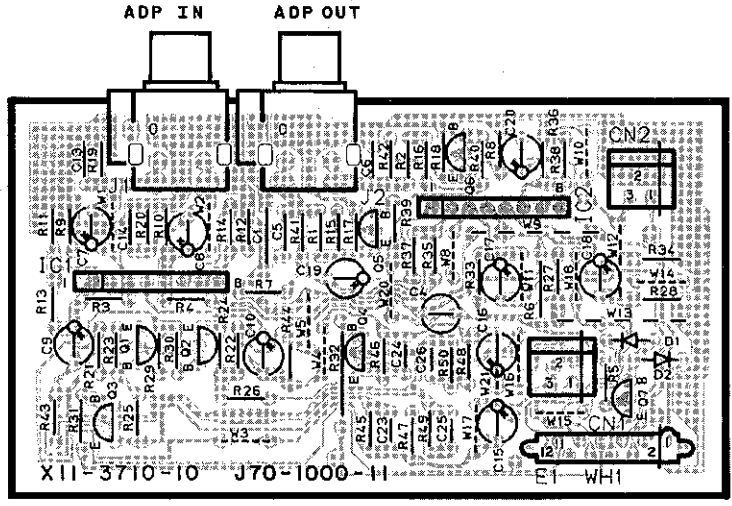
X04-1313-80 J70-0986-01



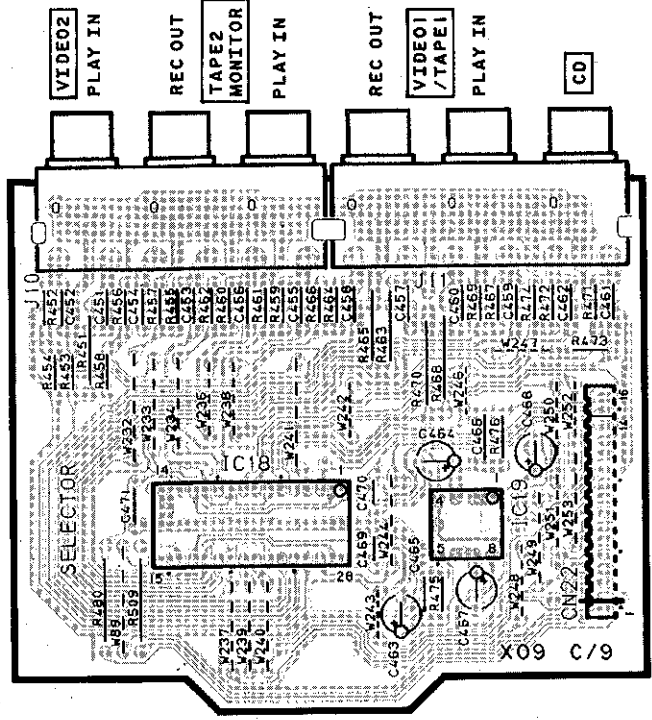
ANTENNA



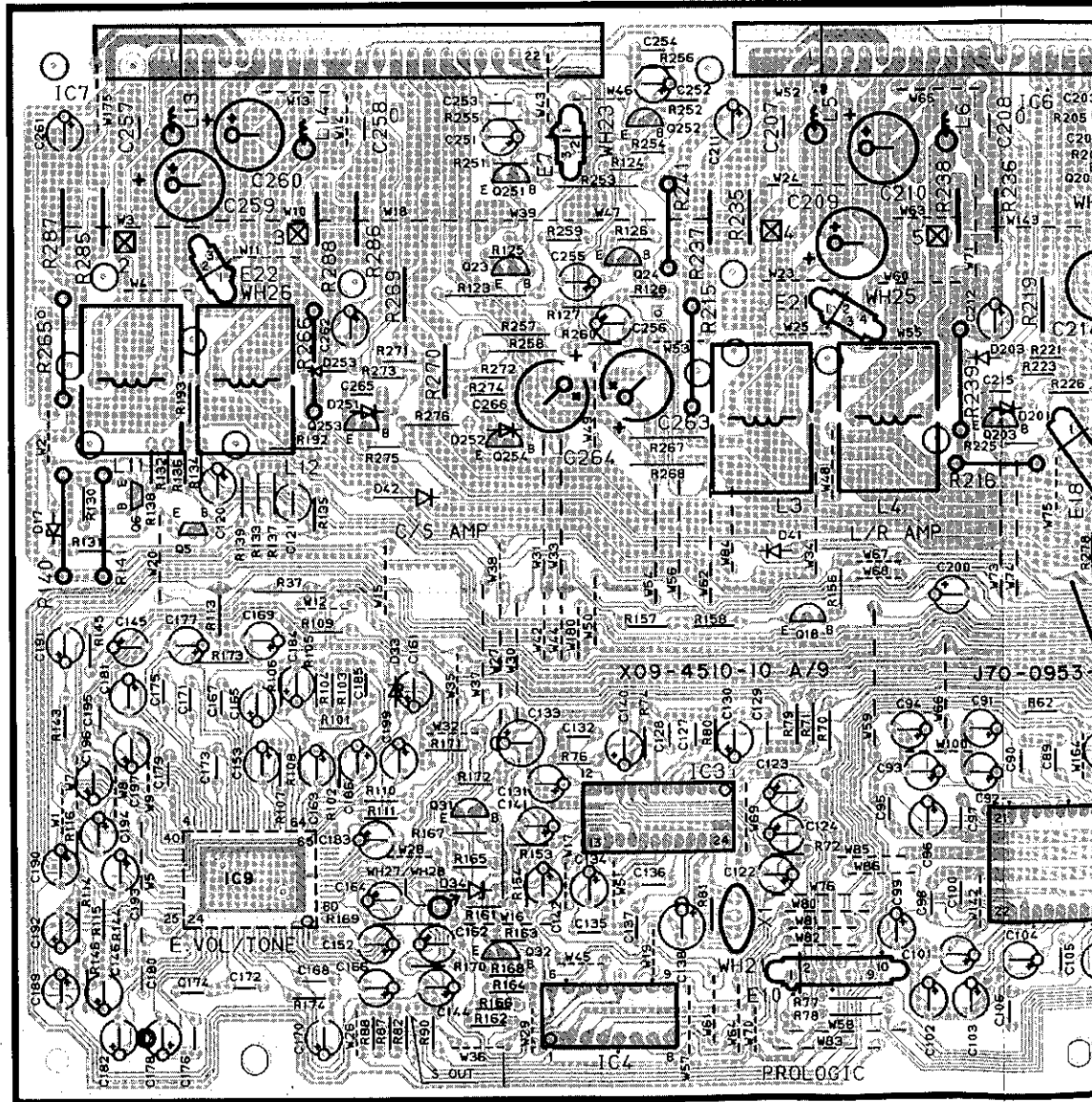
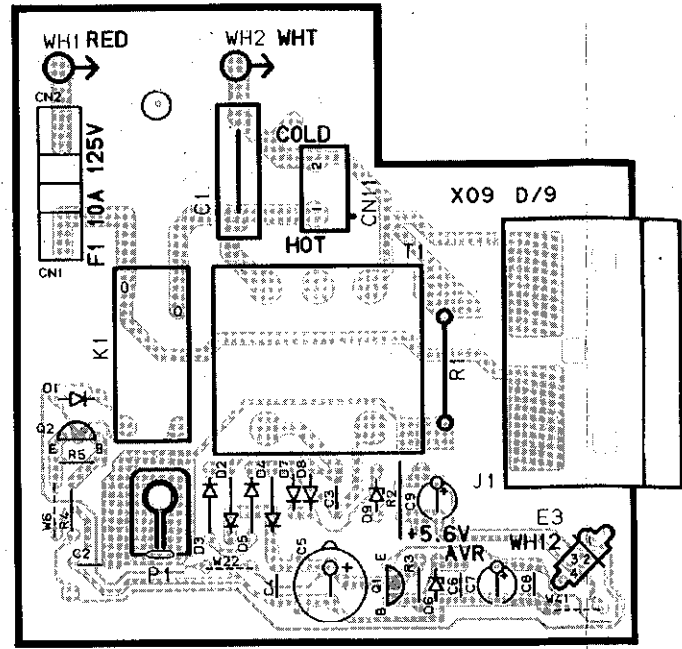
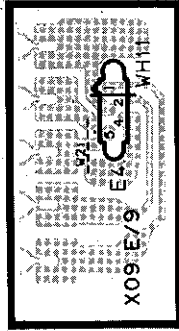
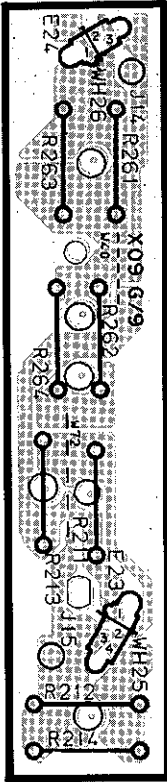
ADP IN ADP OUT

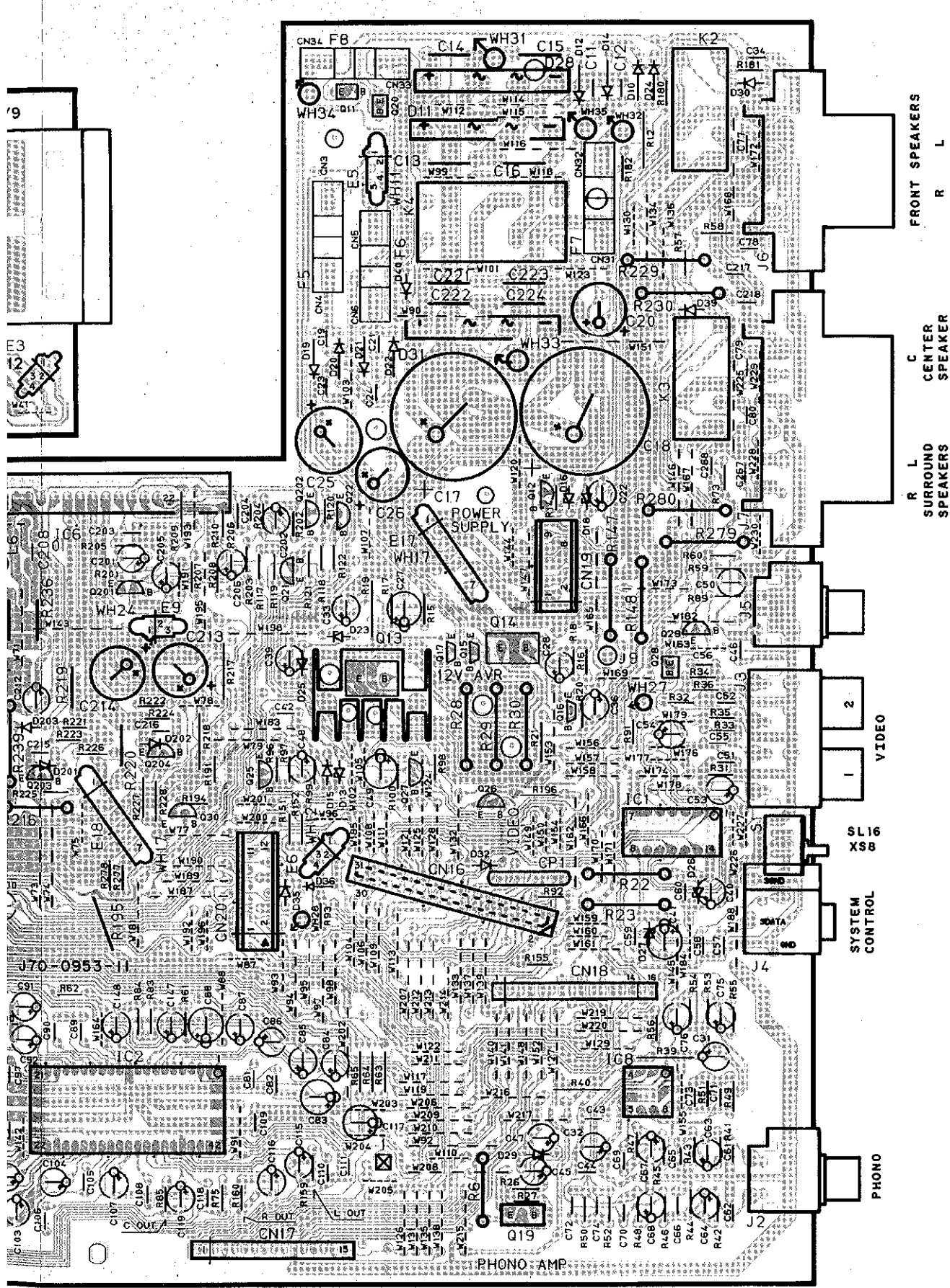


VIDEO2 PLAY IN REC OUT TAPE2 MONITOR PLAY IN REC OUT VIDEO1 /TAPE1 PLAY IN CD

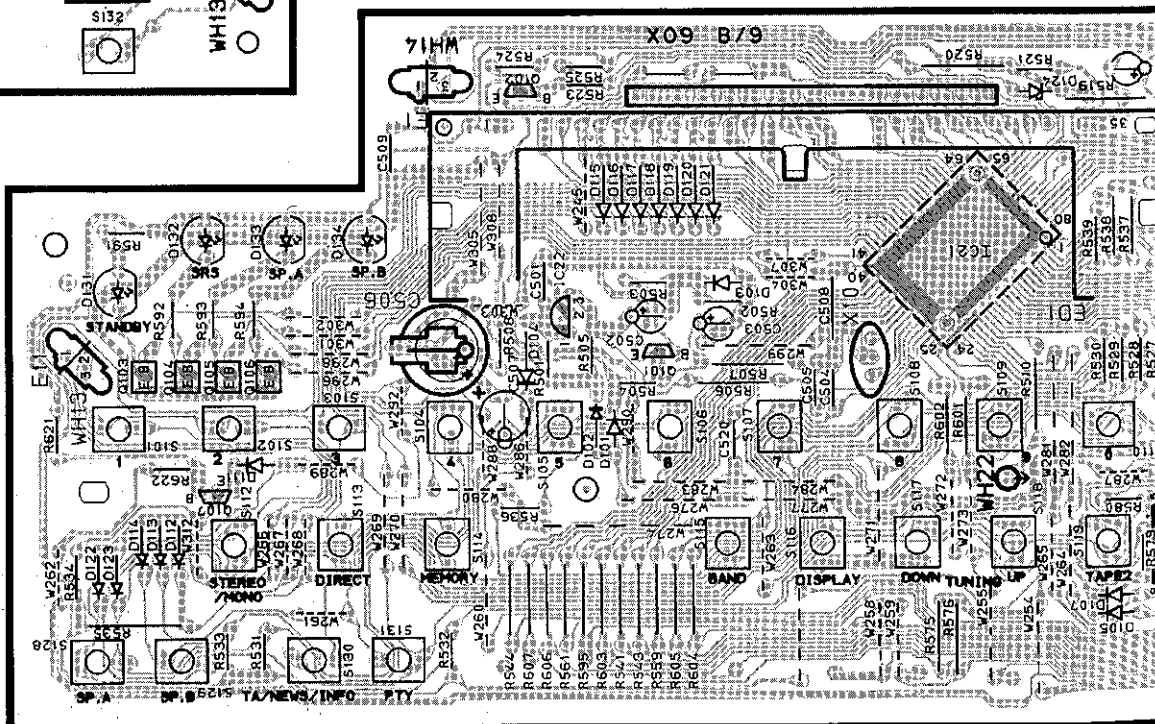
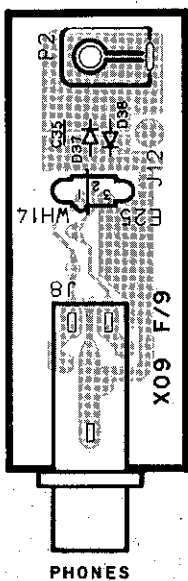
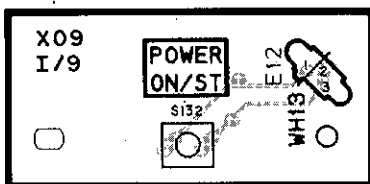
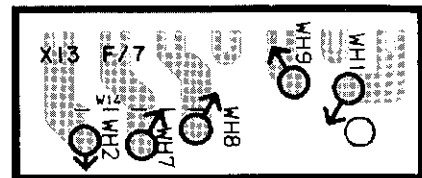
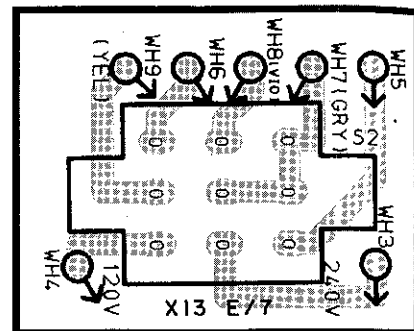
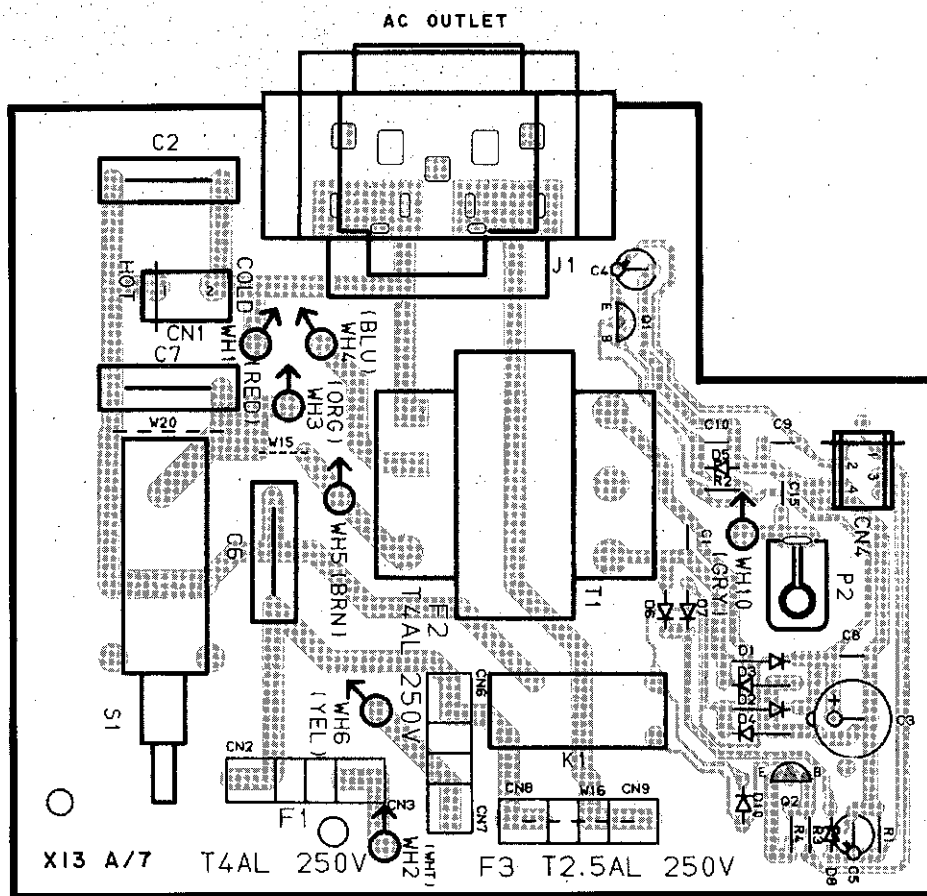


PC BOARD (Component side view)

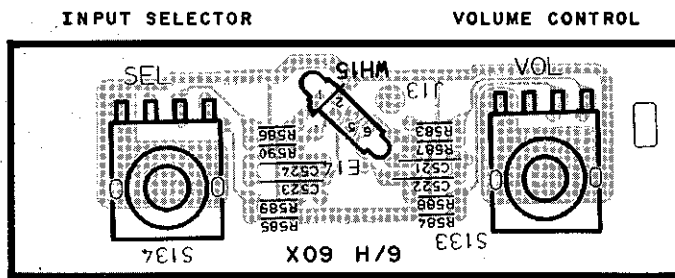
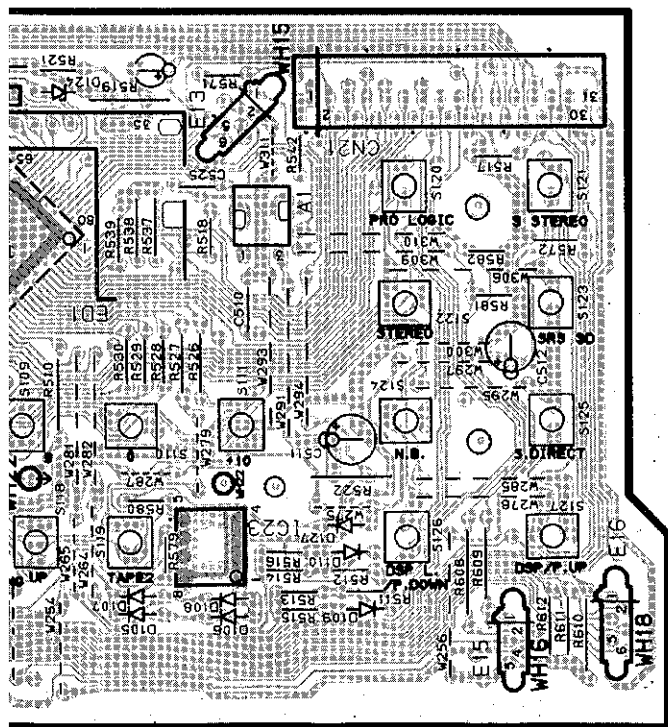
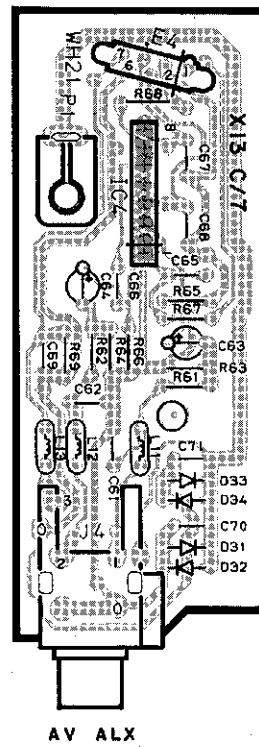
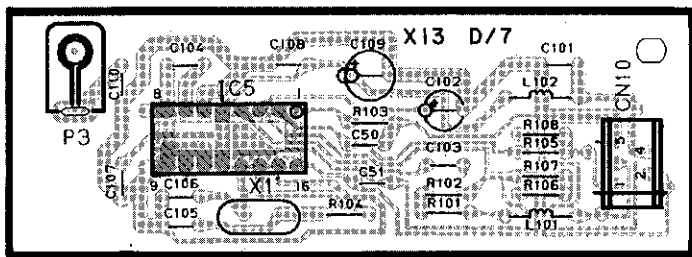
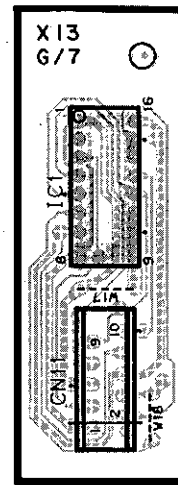
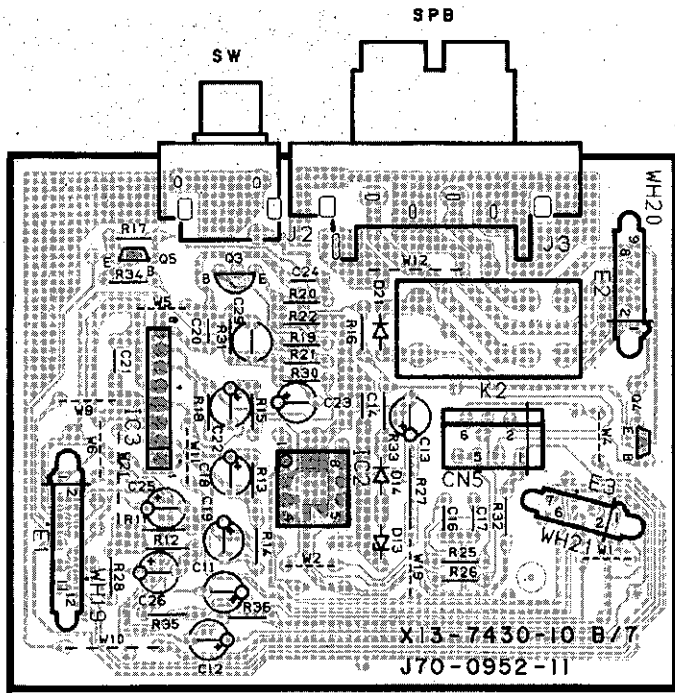




PC BOARD (Component side view)



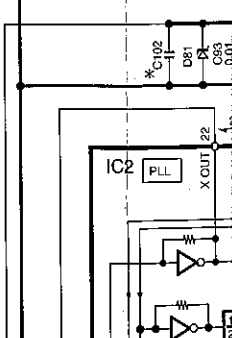
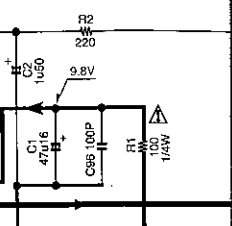
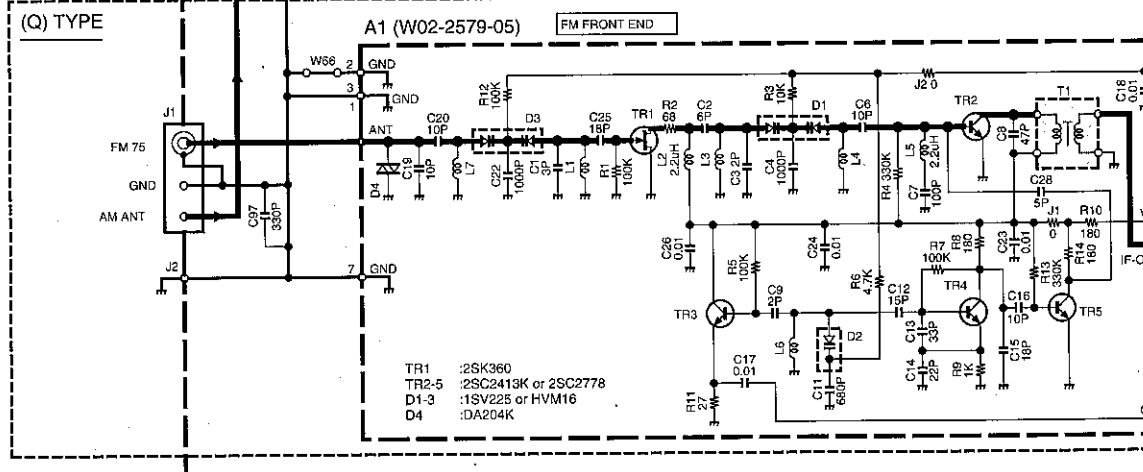
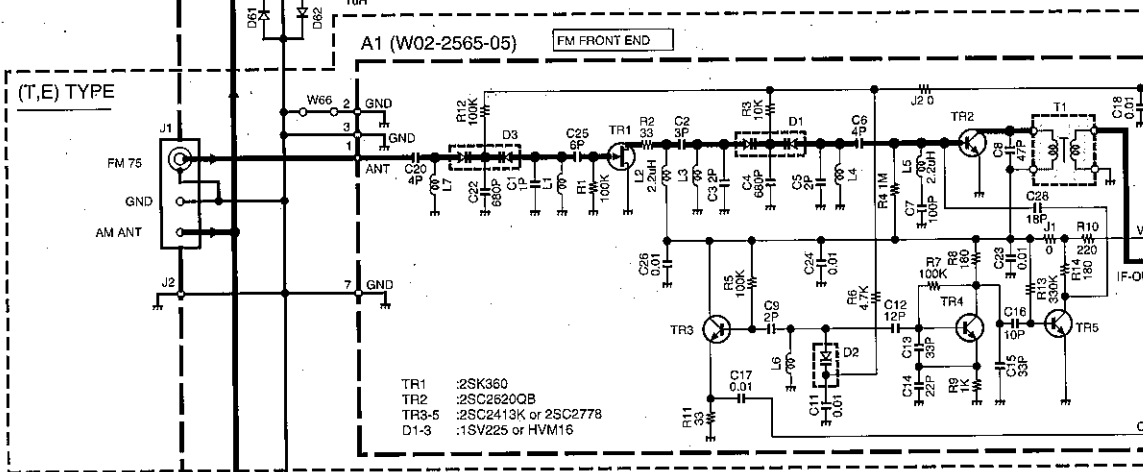
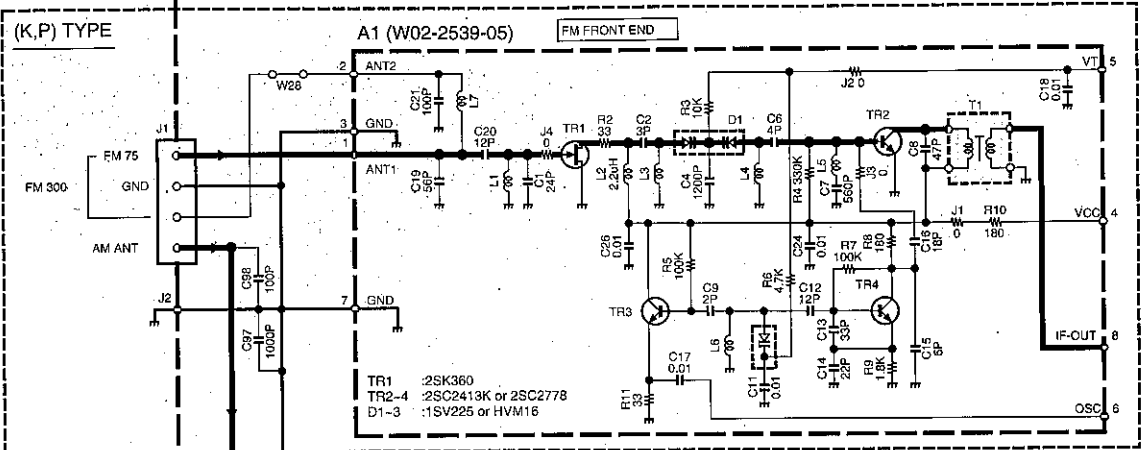
Refer to the schematic diagram for the values of resistors and capacitors.



(X05-470X-XX) : K,P,T,E,Q TYPE

KR-V6090 (X05-470X-XX)

DESTINATION	UNIT No.	(A)	(B)	(C)
COUNTRY	ABB			
U.K.	2-71	YES	YES	YES
EUROPE	E			
RUSSIA	Q	3-81		NO



The DC voltage is an actual reading measured with a high impedance type voltmeter as the AM/FM signal generator is specified to the conditions as shown in the list below. The measurement value may vary depending on the measuring instruments used or on the product. The value shown in () is actual reading measured in the AM made.

- IC1 : LA1836
- IC2 : LC72131
- IC3 : NJM2904M
- Q1,2 : 2SC2714(R,Q)
- Q3,81,103 : 2SA1576A(R,S)
- Q31,32 : 2SC4081(R,S)
- Q101,102 : 2SD1328
- D1,33,61,62 : 1SS138
- D31 : MTZJ8.2(B)
- D32 : MA111
- D81 : MTZJ5.1(B)
- D101 : MTZJ3.3(B)

VT VOLTAGE		
BAND	FREQ	VT
FM	LF	2.2V(0.8V)
	HF	7.5V
AM	LF	1.2V
	HF	4.8V

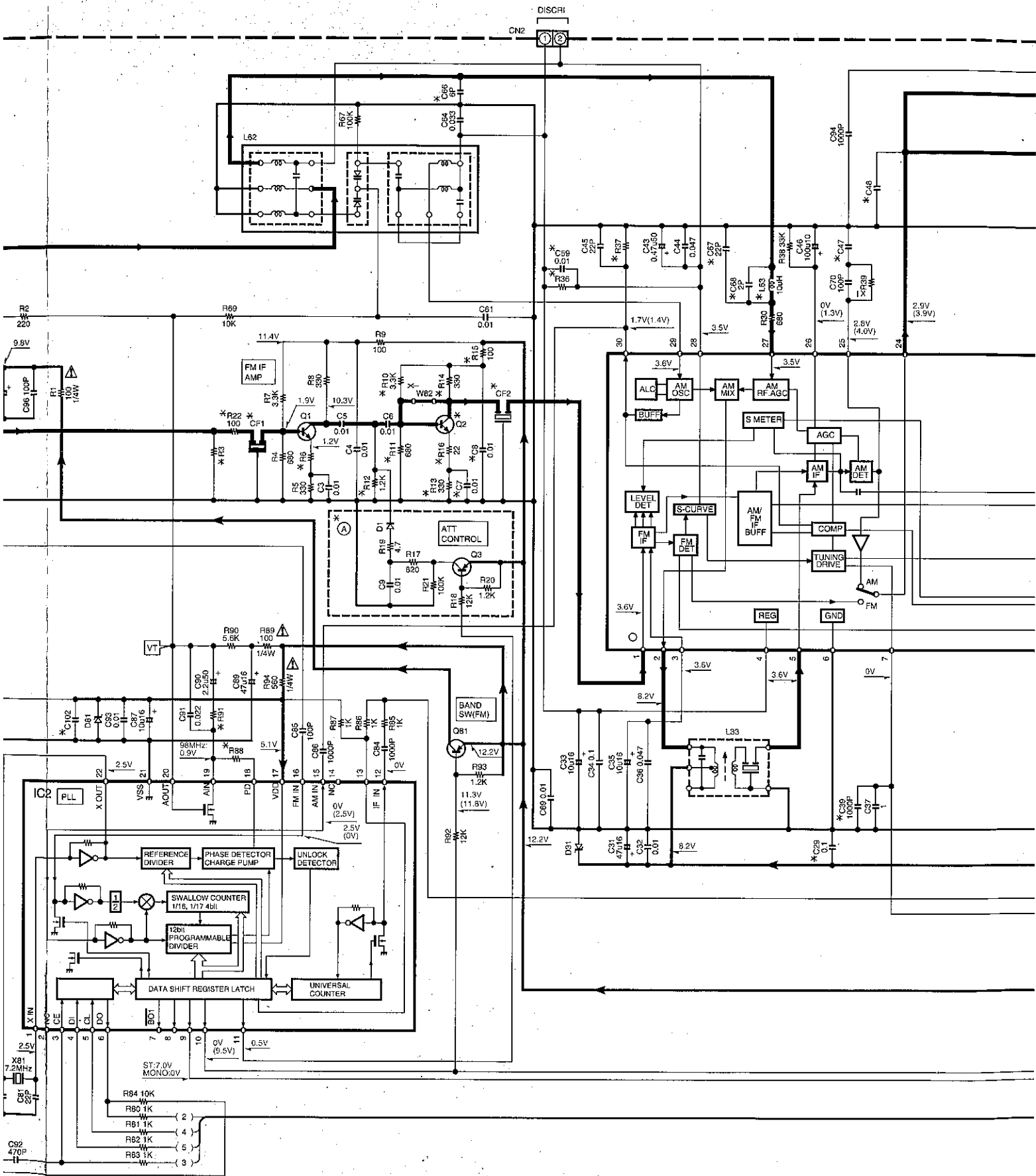
() Q TYPE

MODE	CARRIER	MODULATION		ANT INPUT
		FREQUENCY	DEVIATION	
FM	98MHz	1kHz	STEREO 67.5kHz 7.5kHz(Pilot)	60dB
AM	1000(999)kHz	400Hz	MONO 30% MOD	60dB

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ 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.

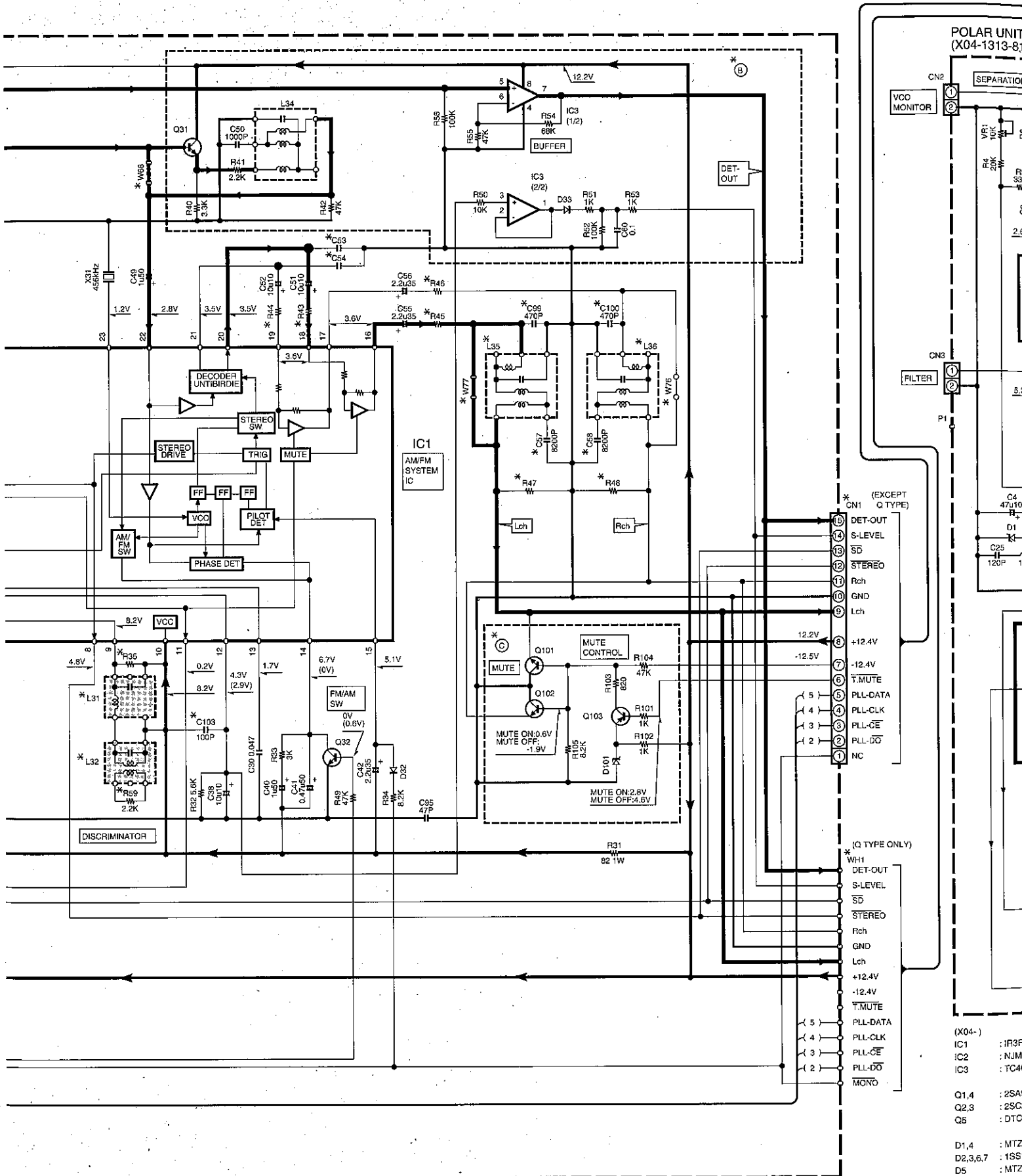
(X05-470X-XX)

NATION	UNIT	①	②	C7,8, 66-68	C29,59 103	C39,59, 99,100	C47	C48	C53,54	C57, 58	C102	L31	L32, 63	L35, 36	Q2	R3	R6	R10-16, 59	R22	R35, 36	R37	R39	R43, 44,91	R45	R46	R47, 48	R88	W68, 82	W76, 77	W85	CF1,2	CN1	WH1	
TY	ABB	No.																																
E	T	2-71	YES	YES	NO	NO	6800P	1000P	0.022	YES	NO	L30-0929-05	YES	YES	YES	3.3K	22	YES	W61	33K	3K	47K	2.2K	1.2K	1.2K	3.9K	1K	NO	NO	YES	L72-0596	YES	NO	
	C	3-81	NO	NO	YES	YES		100P	NO	NO	1000P		NO	NO																			NO	YES



KR-897797,107VR,106VR (X05-470X-XX)

DESTINATION	COUNTRY	ABB	UNIT No.	(A)	(B)	(C)	C7,8,57,58,66-66	C29,36,59,99,100,103	C47	C48	C53,54	C102	L31	L32,35,36	L63	Q2	R3	R6	R10-16,59	R22	R35,43,44	R36	R37	R39	R45,46,48	R47,48	R88	R91	W68,76,77,82	W65	CF1,2	CN1	W
U.S.A.	K	P	0-10	NO	YES	NO	NO	YES	5600P	1200P	0.033	180P	L30-0910-05	NO	W25	NO	330	10	NO	100	3.9K	24K	3.6K	22K	3.3K	39K	10K	1K	YES	NO	L72-0536	YES	NO
CANADA	K	P	0-10	NO	YES	NO	NO	YES	5600P	1200P	0.033	180P	L30-0910-05	NO	W25	NO	330	10	NO	100	3.9K	24K	3.6K	22K	3.3K	39K	10K	1K	YES	NO	L72-0536	YES	NO



POLAR UNIT (X04-1313-8)

- * CN1 (EXCEPT Q TYPE)
- 15 DET-OUT
- 14 S-LEVEL
- 13 SD
- 12 STEREO
- 11 Rch
- 10 GND
- 9 Lch
- 8 +12.4V
- 7 -12.4V
- 6 T.MUTE
- 5 PLL-DATA
- 4 PLL-CLK
- 3 PLL-CE
- 2 PLL-OD
- 1 NC

- * (Q TYPE ONLY)
- * WH1
- DET-OUT
- S-LEVEL
- SD
- STEREO
- Rch
- GND
- Lch
- +12.4V
- 12.4V
- T.MUTE
- PLL-DATA
- PLL-CLK
- PLL-CE
- PLL-OD
- MONO

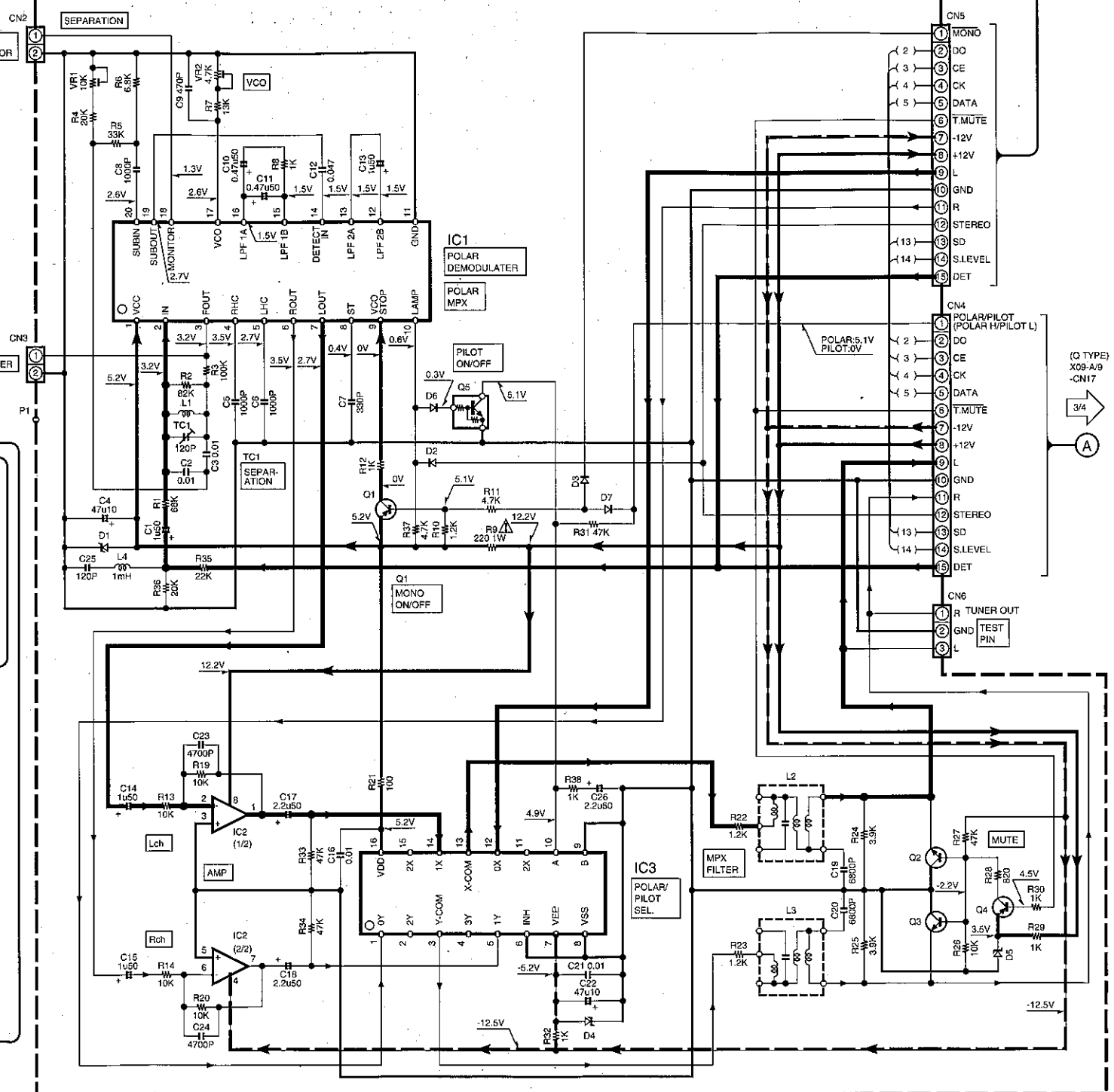
(X04-)
 IC1 : IR39
 IC2 : NJM4
 IC3 : TC40
 Q1,4 : 2SA9
 Q2,3 : 2SC2
 Q5 : DTC1
 D1,4 : MTZ
 D2,3,6,7 : 1SS1
 D5 : MTZ

WBS	CF1.2	CN1	WH1
NO	L72-0536	YES	NO

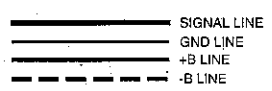
(K,P,T,E TYPE)
X09-A/9
-CN17



**POLAR UNIT
(X04-1313-81) (Q)TYPE ONLY**



- (X04-) : IR3R42
- IC1 : NJM4565D
- IC2 : TC4052BP
- Q1,4 : 2SA933AS(Q,R) or 2SA1175(F,E)
- Q2,3 : 2SC2878(B)
- Q5 : DTC124ESA or UN42j2
- D1,4 : MTZJ5.1(B) or UZ-5.1BSB
- D2,3,6,7 : 1SS133 or HSS104
- D5 : MTZJ3.3(B) or UZ-3.3BSB



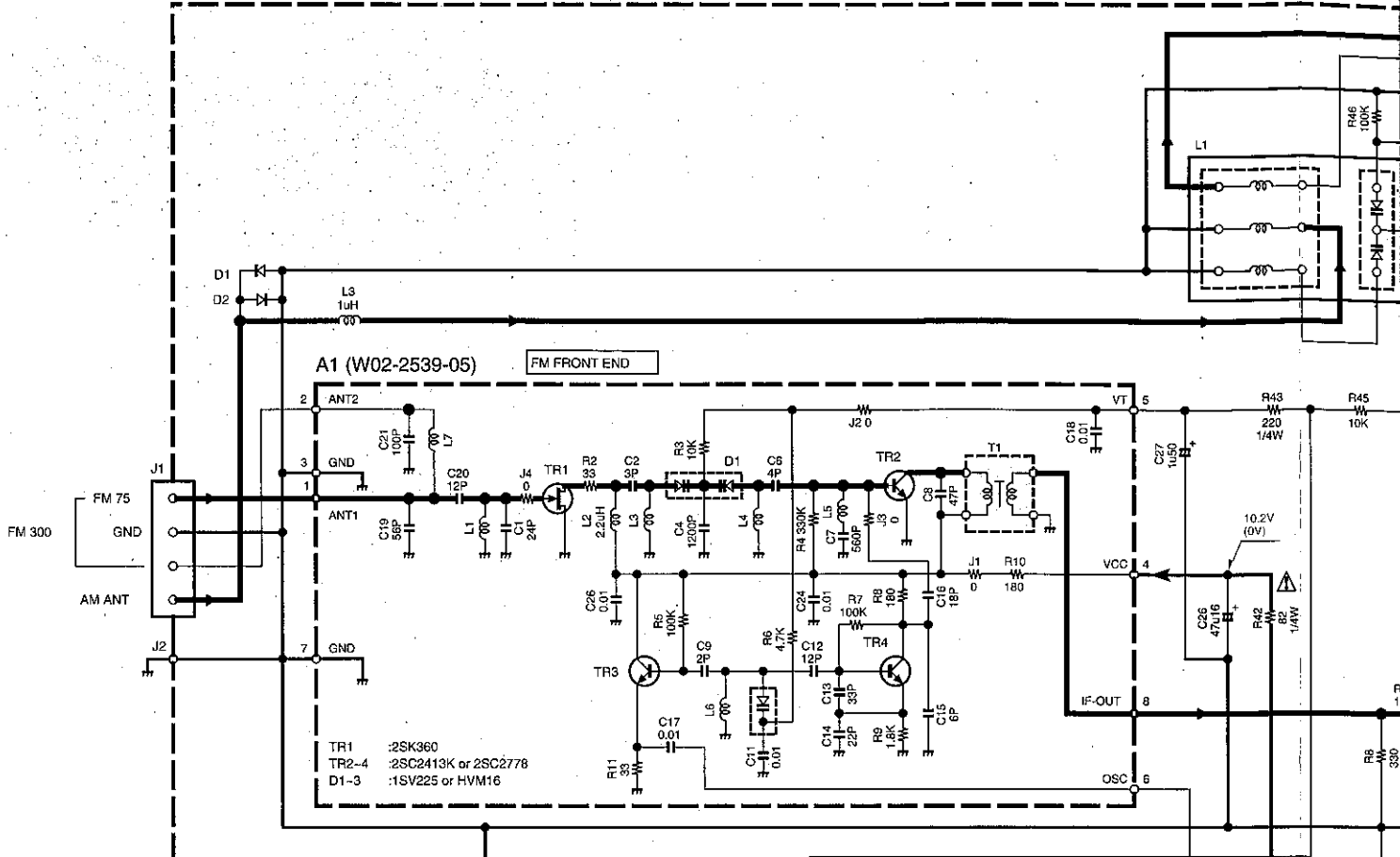
KR-V6090/897/797,107VR,106VR(K) (1/4)

106VR/107VR/KR-797/897/V6090/V7090

Y05-3280-10

KENWOOD

(X05-469X-XX) : M,V,X,Y TYPE



VT VOLTAGE

BAND	FREQ.	VT
FM	LF	2.1V
	HF	7.4V
AM	LF	1.4V
	HF	4.9V

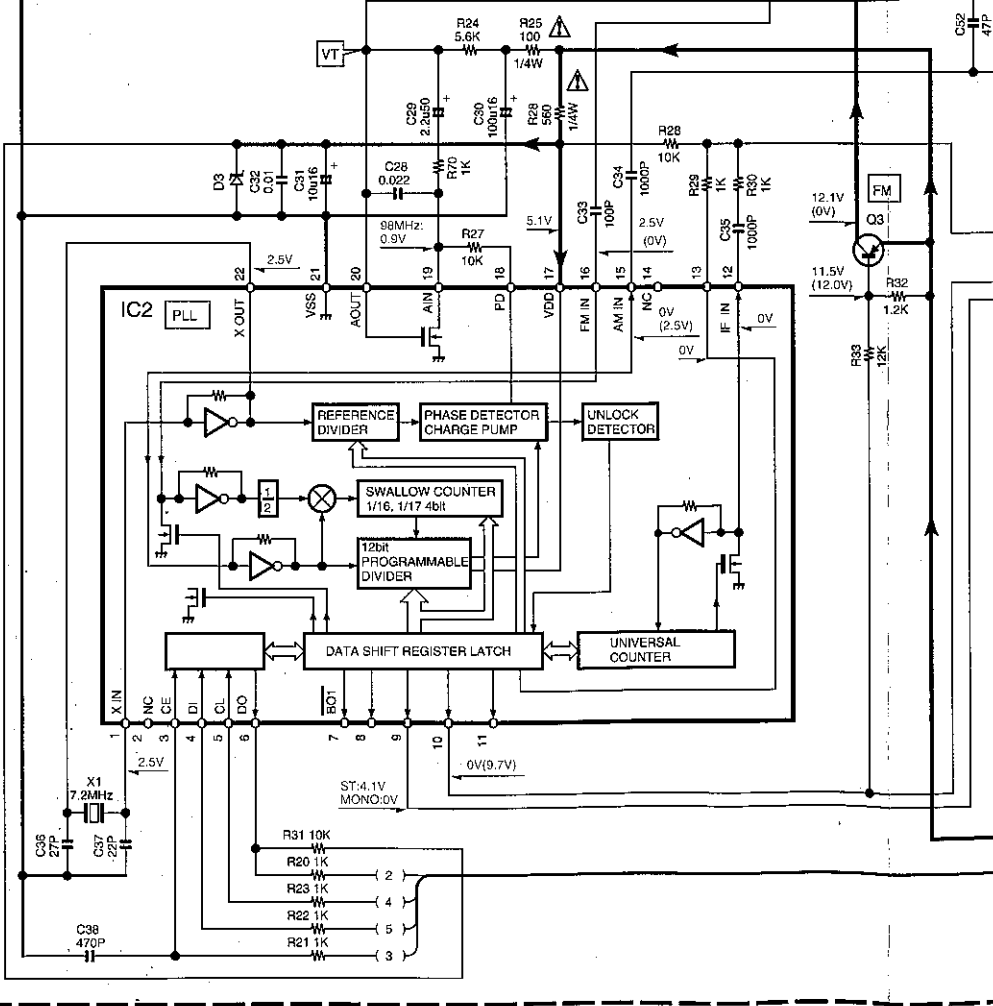
- (X05-)
- IC1 : LA1832
 - IC2 : LC72131
 - IC4 : NJM4555M
- Q1 : 2SC2714(R,O)
- Q3,6 : 2SA1576A(R,S)
- Q5,9,10 : 2SC4081(R,S)
- Q7,8 : 2SD1328
- D1,2,8 : 1SS133
- D3,4 : MTZJ5.1(B)
- D12 : MTZJ3.3(B)

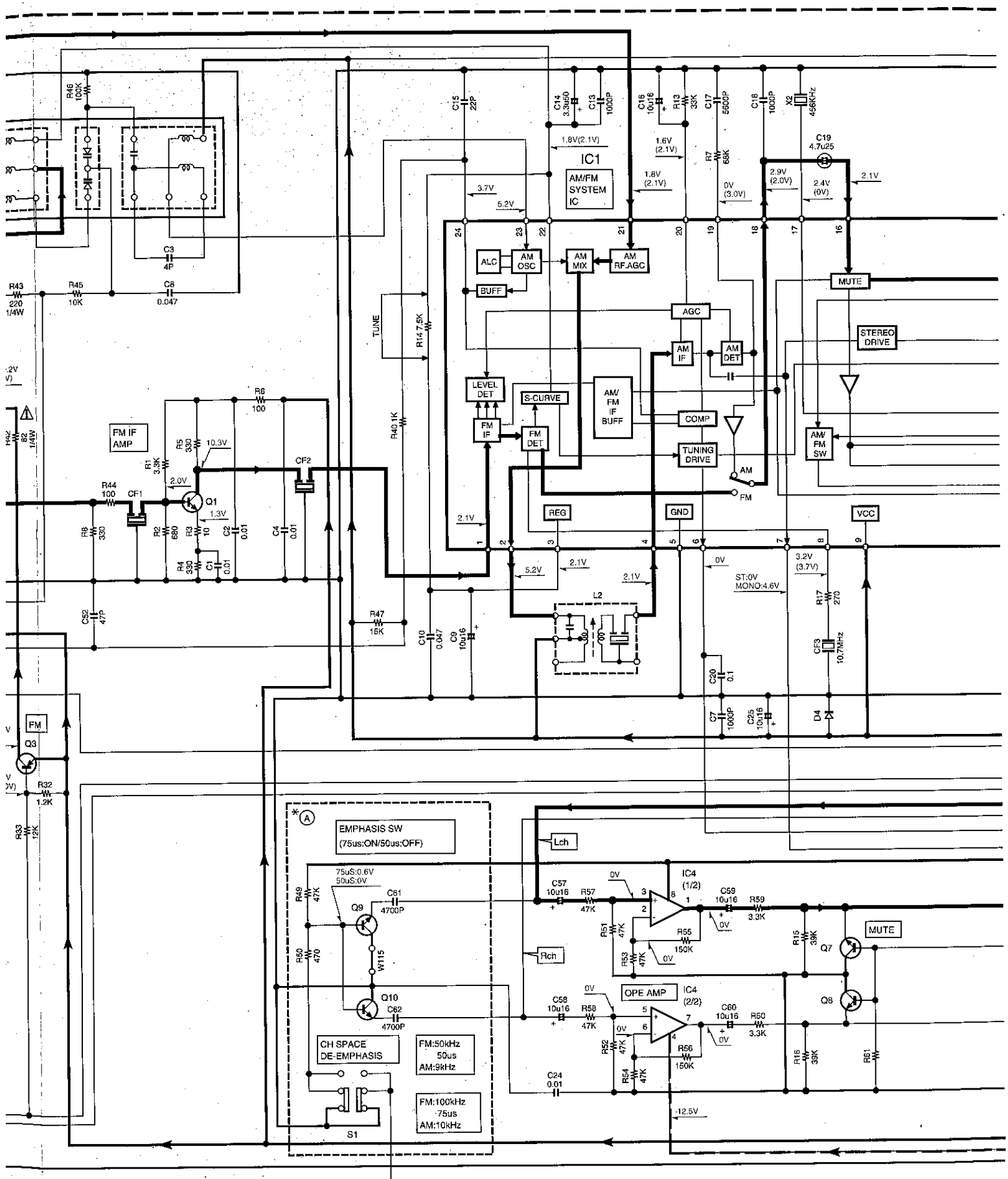
KR-V7090/V6090
(X05-469X-XX)

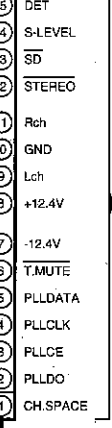
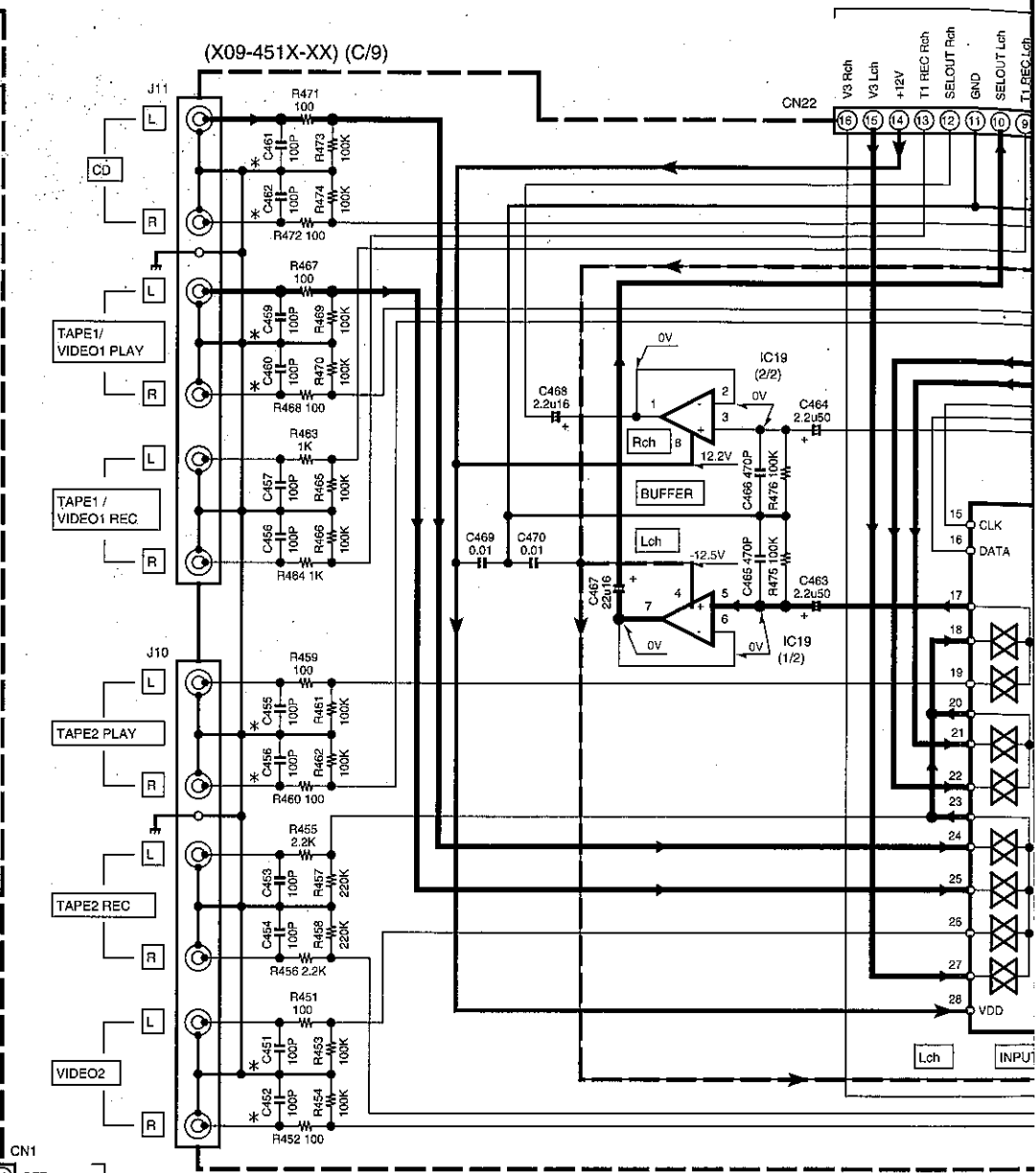
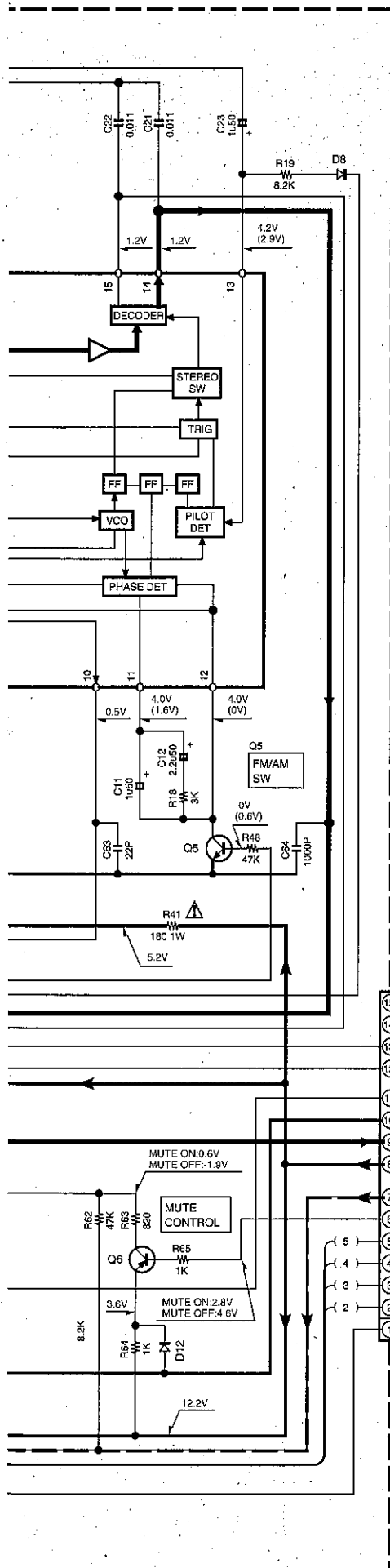
DESTINATION COUNTRY	ABB.	UNIT No.	(A)
GENERAL MARKET	M	0-20	YES
SHANGHAI	V		
AUSTRALIA	X	0-71	NO

KR-797,107VR,106VR
(X05-469X-XX)

DESTINATION COUNTRY	ABB.	UNIT No.	(A)
PX	Y	0-20	YES







KR-V7090 (X09-451X-XX)

DESTINATION	COUNTRY	ABB.	UNIT No.	C451,452,455, 456,459-462
GENERAL MARKET	M	V	0-22	NO
SHANGHAI	V	V		
AUSTRALIA	X	X	0-72	

KR-897 (X09-451X-XX)

DESTINATION	COUNTRY	ABB.	UNIT No.	C451,452,455, 456,459-462
U.S.A.	K	P	0-12	NO
CANADA	K	P		

KR-V6090 (X09-451X-XX)

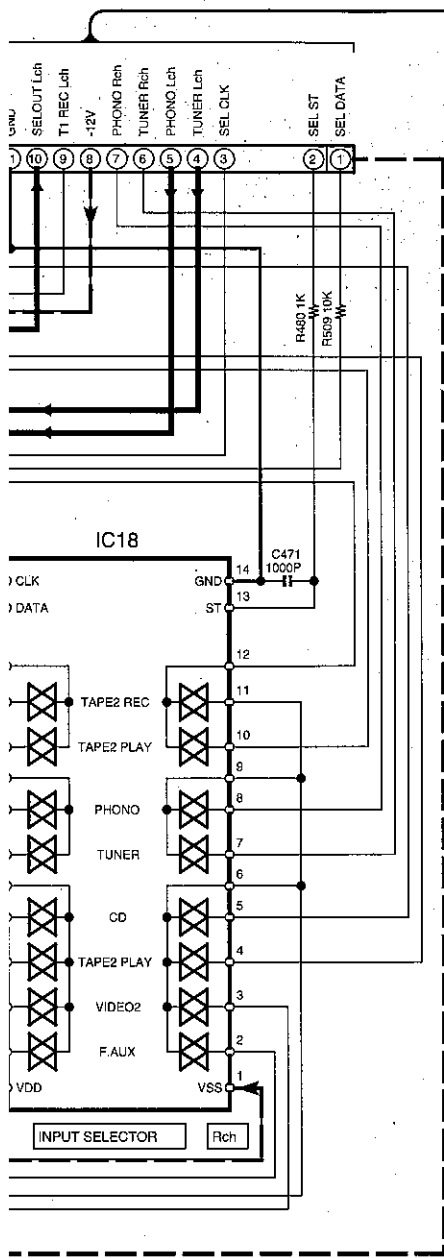
DESTINATION	COUNTRY	ABB.	UNIT No.	C451,452,455, 456,459-462
GENERAL MARKET	M	V	0-21	NO
SHANGHAI	V	V		
AUSTRALIA	X	X	0-71	
U.K.	T	T	2-71	YES
EUROPE	E	E		
RUSSIA	Q	Q	3-81	

KR-797 (X09-451X-XX)

DESTINATION	COUNTRY	ABB.	UNIT No.	C451,452,455, 456,459-462
U.S.A.	K	P	0-12	NO
CANADA	K	P		
PX	Y	Y	2-91	

(X09-)
 IC18 : NJU7313AL
 IC19 : NJM4558D-D

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ 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.



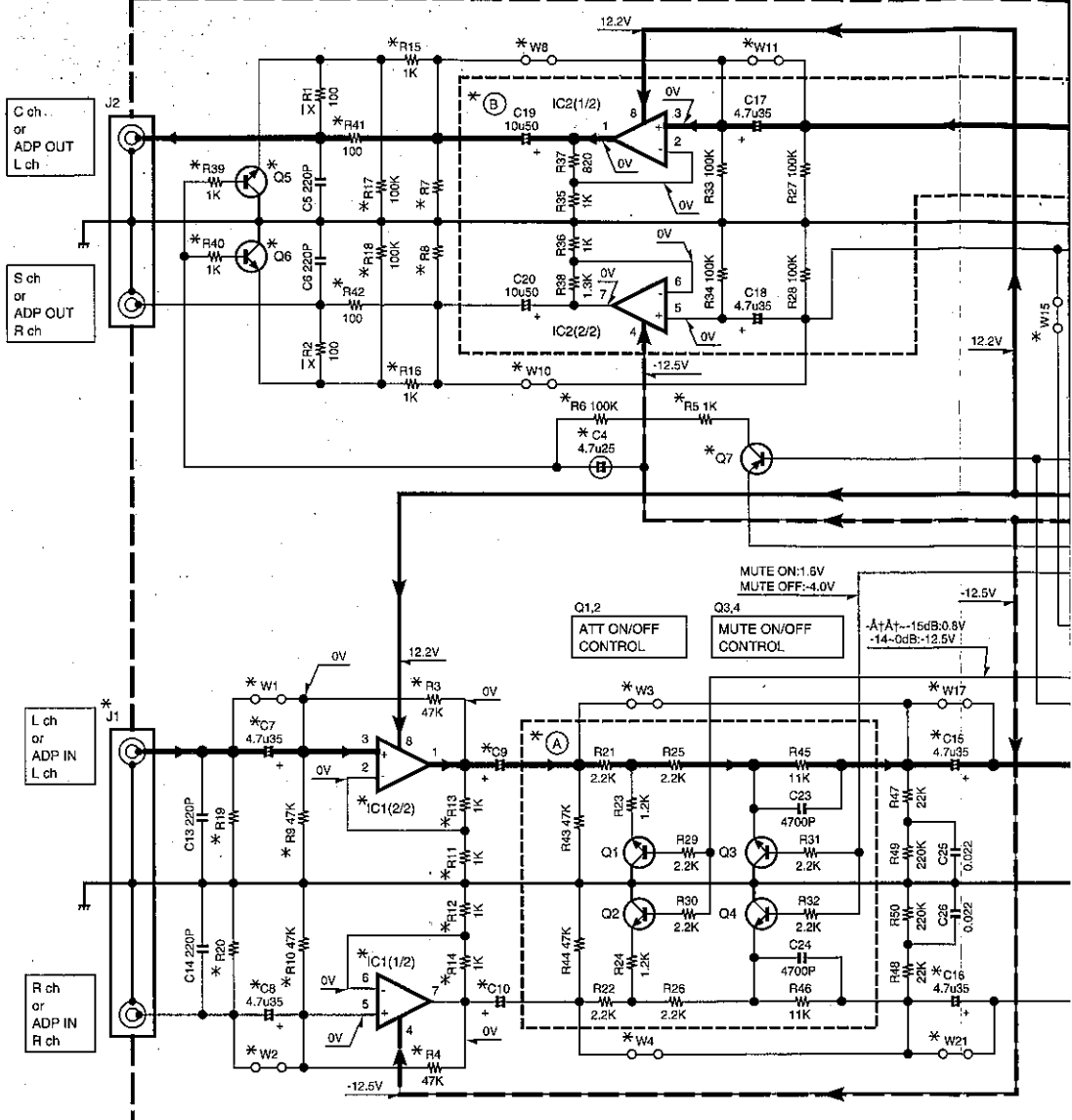
107VR (X09-451X-XX)

DESTINATION	UNIT No.	C451,452,455,456,459-462
U.S.A.	K	0-11
CANADA	P	NO
PX	Y	0-22

106VR (X09-451X-XX)

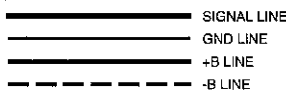
DESTINATION	UNIT No.	C451,452,455,456,459-462
U.S.A.	K	0-10
CANADA	P	NO
PX	Y	0-21

(X11-3710-1X) : KR-897,797 ONLY



X11-371X-XX

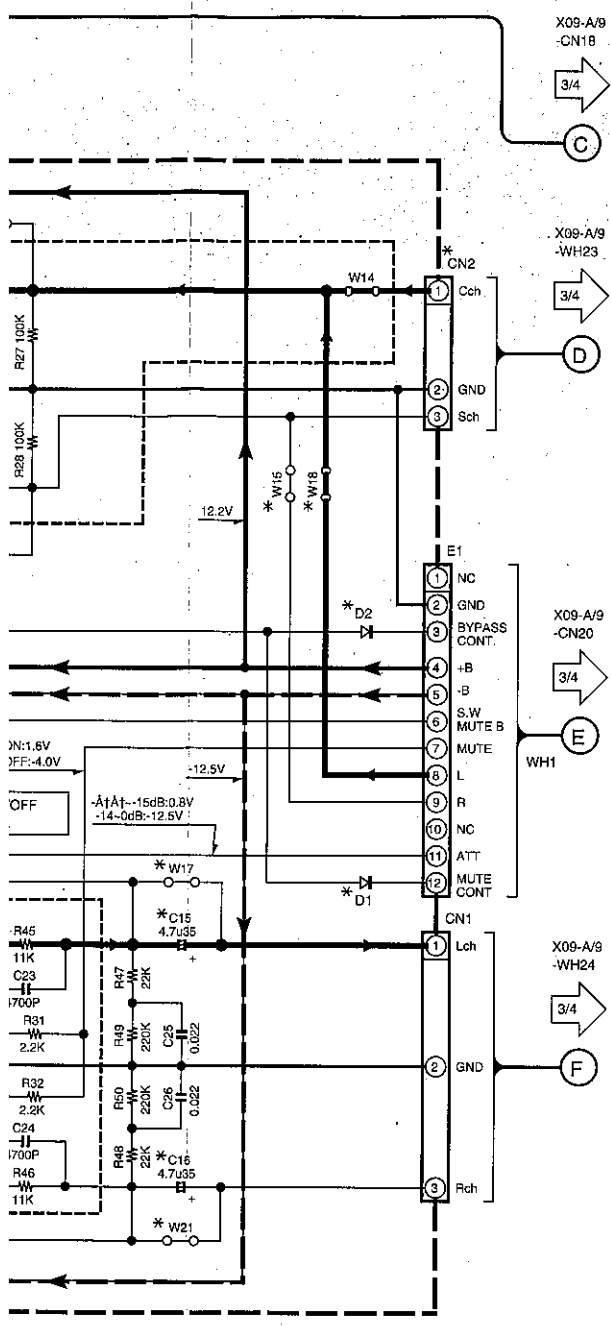
MODEL NAME	UNIT No.	A	B	C4	C9,10	C7,8,15,16	R1-6,15-18,39,40	R7,8,19,20	R9-14,41,42	IC1	Q5-7	D1,2	CN2	W1-4,14,17,20,21	W5,10,11,15,18	J1
KR-897	0-10	NO	YES	YES	47u35	NO	YES	100K	NO	NO	YES	YES	YES	NO	NO	E63-0195-05
KR-797	0-11	YES	NO	NO	4.7u35	YES	NO	47K	YES	YES	NO	NO	NO	NO	YES	E63-1004-05



The DC voltage is an actual reading measured with a high impedance type voltmeter as the AM/FM signal generator is specified to the conditions as shown in the list below. The measurement value may vary depending on the measuring instruments used or on the product. The value shown in () is actual reading measured in the AM mode.

KR-V7090/V6090/

MODE	CARRIER	MODULATION		ANT INPUT
		FREQUENCY	DEVIATION	
FM	98MHz	1kHz	STEREO 67.5kHz 7.5kHz(Pilot)	60dB
AM	1000(999)kHz	400Hz	MONO 30% MOD	60dB



D1,2	CN2	W1-4,14,17,20,21	W8,10,11,15,18	J1
YES	YES	YES	NO	E63-0195-05
NO	NO	NO	YES	E63-1004-05

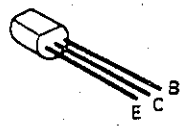
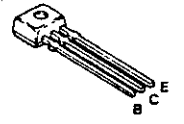
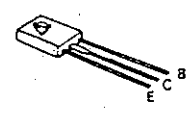
- (X11-)
- IC1,2 : NJM4565L
 - Q1-6 : 2SC2878(B)
 - Q7 : 2SA933AS(Q,R)
 - D1,2 : 1SS133



2SA1534A
2SA992
2SC1845
2SC2003
2SC2631
2SC2878
2SC3940A

2SC2590

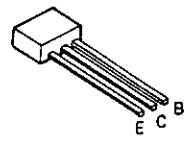
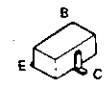
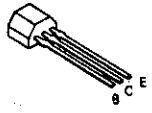
2SA1175



DTC124ESA
DTC143TSA
2SC1740S

2SC2714
2SC4081
2SD1328

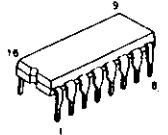
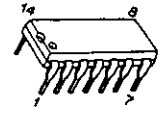
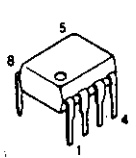
UN4212



NJM4565D
NJM4565D-D

NJM2279D

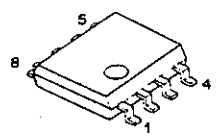
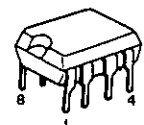
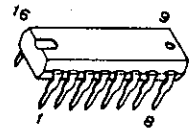
TC4052BP



SAA6579

NJM4580D-D

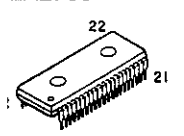
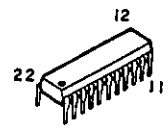
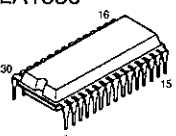
NJM2904M
NJM4565M



LA1836

LC72131

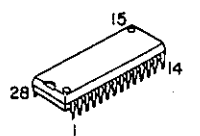
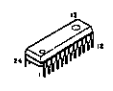
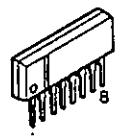
LA2786



NJM4565L
NJM4565L-D

LA1832

NJU7313AL

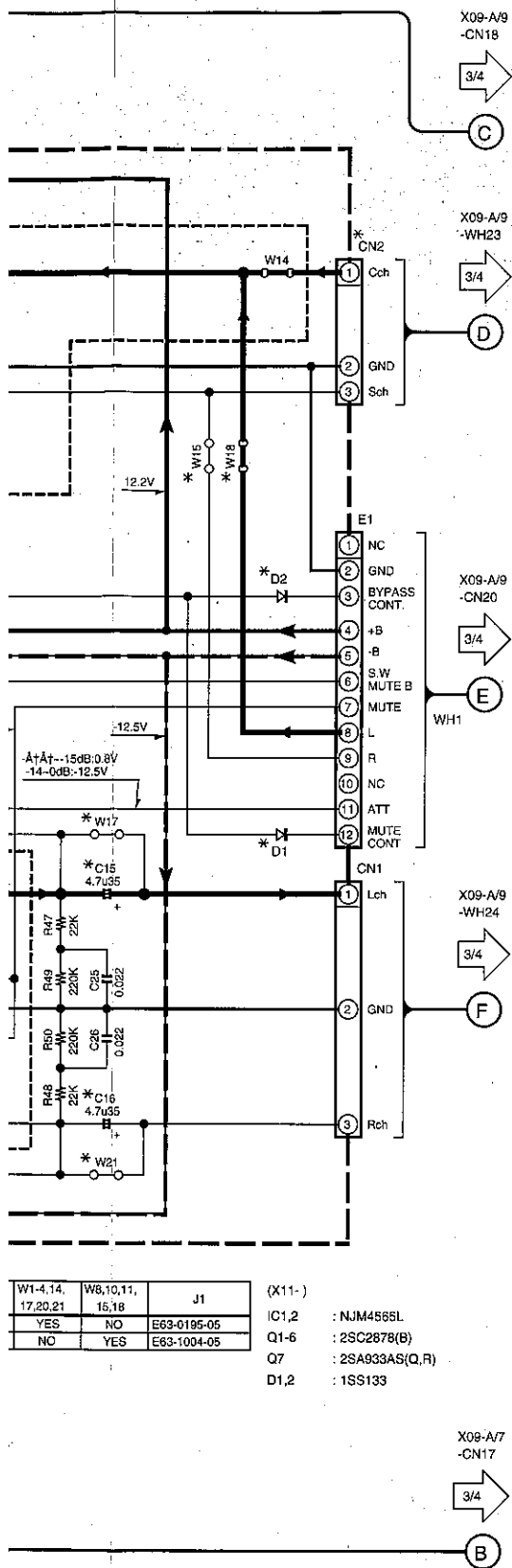


KR-V7090/V6090/797,107VR,106VR(M) (2/4)

106VR/107VR/KR-797/897/V6090/V7090

Y05-3280-10

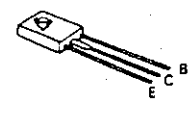
KENWOOD



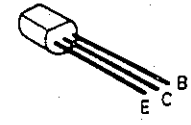
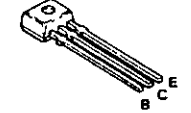
KR-V7090/V6090/797,107VR,106VR(M) (2/4)

2SA1534A
2SA992
2SC1845
2SC2003
2SC2631
2SC2878
2SC3940A

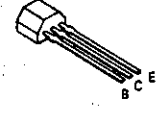
2SC2590



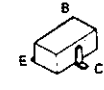
2SA1175



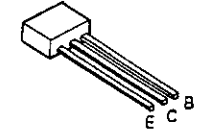
DTC124ESA
DTC143TSA
2SC1740S



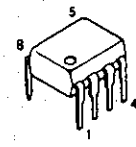
2SC2714
2SC4081
2SD1328



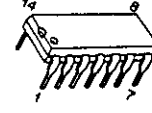
UN4212



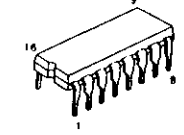
NJM4565D
NJM4565D-D



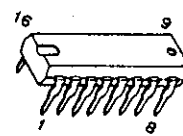
NJM2279D



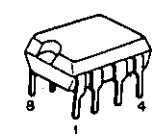
TC4052BP



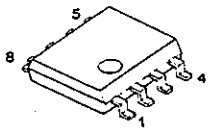
SAA6579



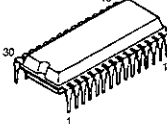
NJM4580D-D



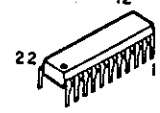
NJM2904M
NJM4565M



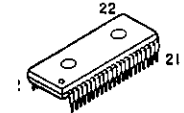
LA1836



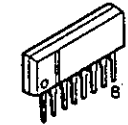
LC72131



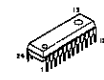
LA2786



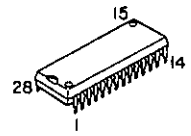
NJM4565L
NJM4565L-D



LA1832



NJU7313AL



KR-V7090 (X09-451X-XX)

Table with columns: DESTINATION, COUNTRY, UNIT No., and various model numbers (E7, E9, E10, etc.).

KR-V6900 (X09-451X-XX)

Table with columns: DESTINATION, COUNTRY, UNIT No., and various model numbers (E7, E9, E10, etc.).

KR-897 (X09-451X-XX)

Table with columns: DESTINATION, COUNTRY, UNIT No., and various model numbers (E7, E9, E10, etc.).

KR-797 (X09-451X-XX)

Table with columns: DESTINATION, COUNTRY, UNIT No., and various model numbers (E7, E9, E10, etc.).

107VR (X09-451X-XX)

Table with columns: DESTINATION, COUNTRY, UNIT No., and various model numbers (E7, E9, E10, etc.).

106VR (X09-451X-XX)

Table with columns: DESTINATION, COUNTRY, UNIT No., and various model numbers (E7, E9, E10, etc.).

KR-V7090 (X13-743X-XX)

Table with columns: DESTINATION, COUNTRY, UNIT No., and model numbers (X13-B7, X13-C7).

KR-V6900 (X13-744X-XX)

Table with columns: DESTINATION, COUNTRY, UNIT No., and model numbers (X13-B7, X13-C7).

KR-797 (X13-744X-XX)

Table with columns: DESTINATION, COUNTRY, UNIT No., and model numbers (X13-B7, X13-C7).

107VR (X13-743X-XX)

Table with columns: DESTINATION, COUNTRY, UNIT No., and model numbers (X13-B7, X13-C7).

106VR (X13-744X-XX)

Table with columns: DESTINATION, COUNTRY, UNIT No., and model numbers (X13-B7, X13-C7).

X09-C9

CN2

2/A

C

2/A

A

2/A

B

2/A

D

2/A

E

2/A

F

2/A

X11-CN2

2/A

X11-WH1

2/A

X11-CN1

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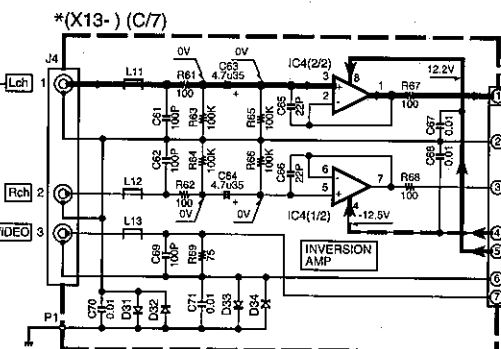
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2/A

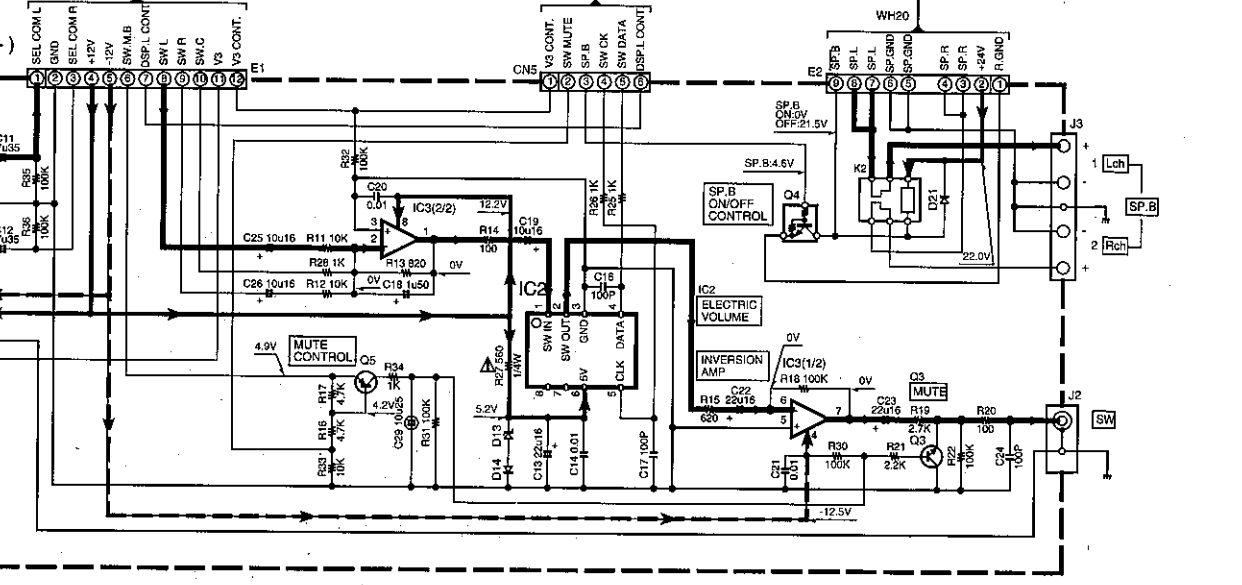
2/A

2/A

2/A



- Component list for (X09-) (A/9) including IC1-IC9, Q5, Q6, Q7, Q8, Q9, Q10, Q11, Q12, Q13, Q14, Q15, Q16, Q17, Q18, Q19, Q20, Q21, Q22, Q23, Q24, Q25, Q26, Q27, Q28, Q29, Q30, Q31, Q32, Q33, Q34, Q35, Q36, Q37, Q38, Q39, Q40, Q41, Q42, Q43, Q44, Q45, Q46, Q47, Q48, Q49, Q50, Q51, Q52, Q53, Q54, Q55, Q56, Q57, Q58, Q59, Q60, Q61, Q62, Q63, Q64, Q65, Q66, Q67, Q68, Q69, Q70, Q71, Q72, Q73, Q74, Q75, Q76, Q77, Q78, Q79, Q80, Q81, Q82, Q83, Q84, Q85, Q86, Q87, Q88, Q89, Q90, Q91, Q92, Q93, Q94, Q95, Q96, Q97, Q98, Q99, Q100.



(X09-451X-XX) (A/9)

*W127/28

23-0047-04	F5.6	F7.8
NO	T1A1 250V	T5A1 250V
NO		
NO		

23-0047-04	F5.6	F7.8
NO	T1A1 250V	T5A1 250V
NO		
NO		

23-0047-04	F5.6	F7.8
NO	1A 125V	6.3A 125V
NO		
NO		

23-0047-04	F5.6	F7.8
NO	1A 125V	6.3A 125V
NO	T1A1 250V	T5A1 250V
NO		

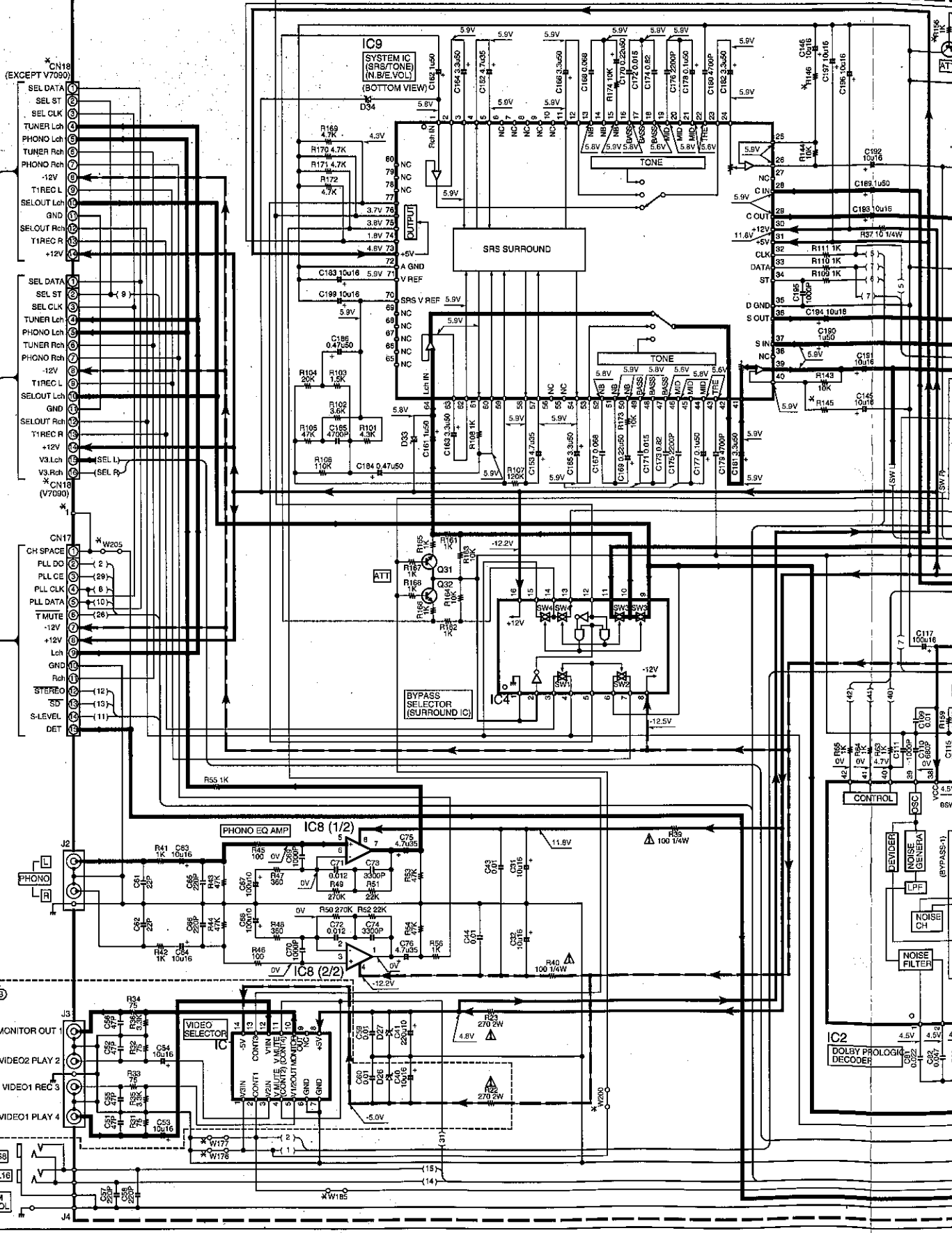
23-0047-04	F5.6	F7.8
NO	1A 125V	6.3A 125V
NO	T1A1 250V	T5A1 250V
NO		

23-0047-04	F5.6	F7.8
NO	1A 125V	6.3A 125V
NO	T1A1 250V	T5A1 250V
NO		

23-0047-04	F5.6	F7.8
NO	1A 125V	6.3A 125V
NO	T1A1 250V	T5A1 250V
NO		

23-0047-04	F5.6	F7.8
NO	1A 125V	6.3A 125V
NO	T1A1 250V	T5A1 250V
NO		

- (B77)(C77)
- : M62429P
 - : NJM4565L-D
 - : 2SC2878(B)
 - : DTC124ESA
 - : 2SA839AS(Q,R)
 - : 1SS133
 - : MTZJ4.7(B)

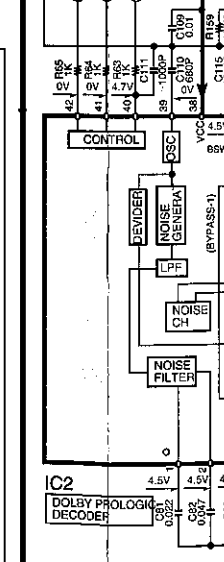


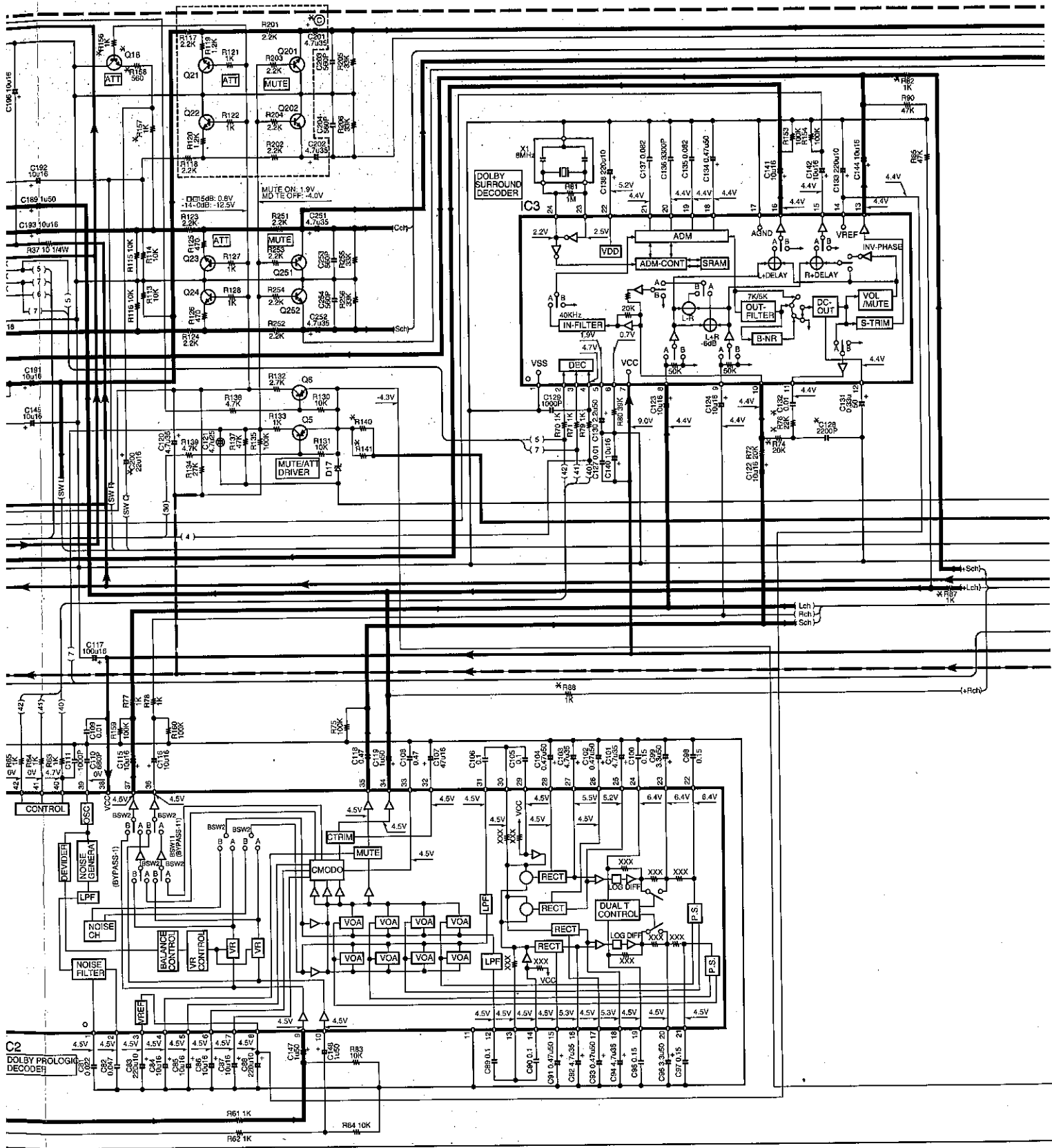
- (EXCEPT V7090)
- SEL DATA
 - SEL ST
 - SEL CLK
 - TUNER Lch
 - PHONO Lch
 - TUNER Rch
 - PHONO Rch
 - 12V
 - T1REC L
 - SELOUT Lch
 - GND
 - SELOUT Rch
 - T1REC R
 - +12V

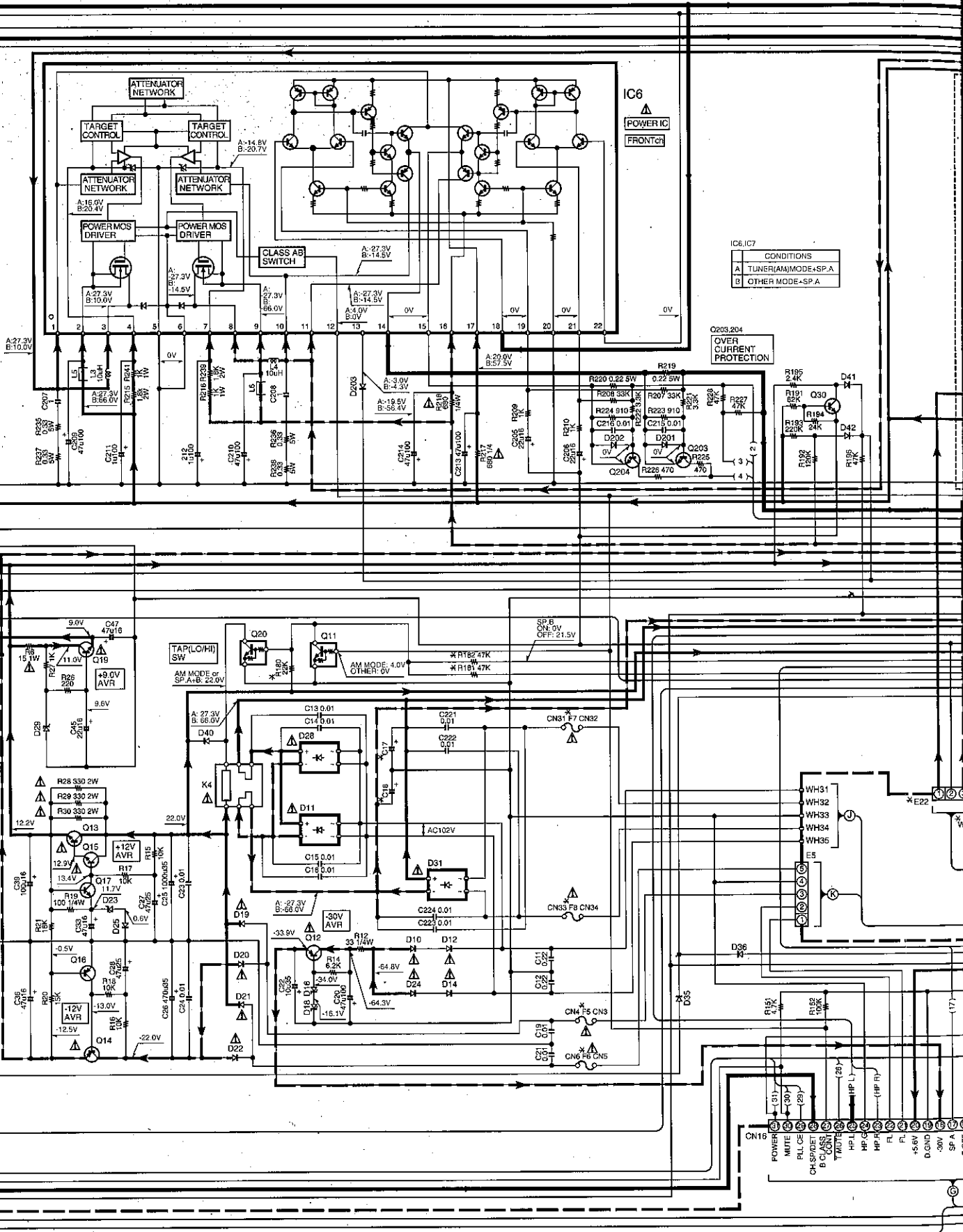
- SEL DATA
- SEL ST
- SEL CLK
- TUNER Lch
- PHONO Lch
- TUNER Rch
- PHONO Rch
- 12V
- T1REC L
- SELOUT Lch
- GND
- SELOUT Rch
- T1REC R
- +12V
- V3.Lch (SEL L)
- V3.Rch (SEL R)
- *CN18 (V7090)

- CH SPACE
- PLL DO
- PLL CE
- PLL CLK
- PLL DATA
- T MUTE
- 12V
- +12V
- Lch
- Rch
- STEREO
- SD
- S-LEVEL
- DET

- MONITOR OUT
- VIDEO2 PLAY 2
- VIDEO1 REC 3
- VIDEO1 PLAY 4
- XSB
- SL16
- SYSTEM CONTROL



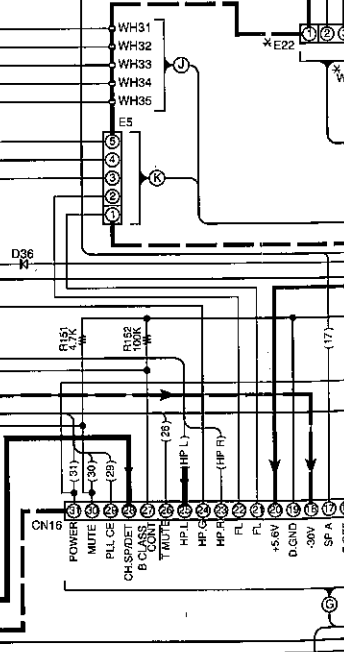




IC6, IC7

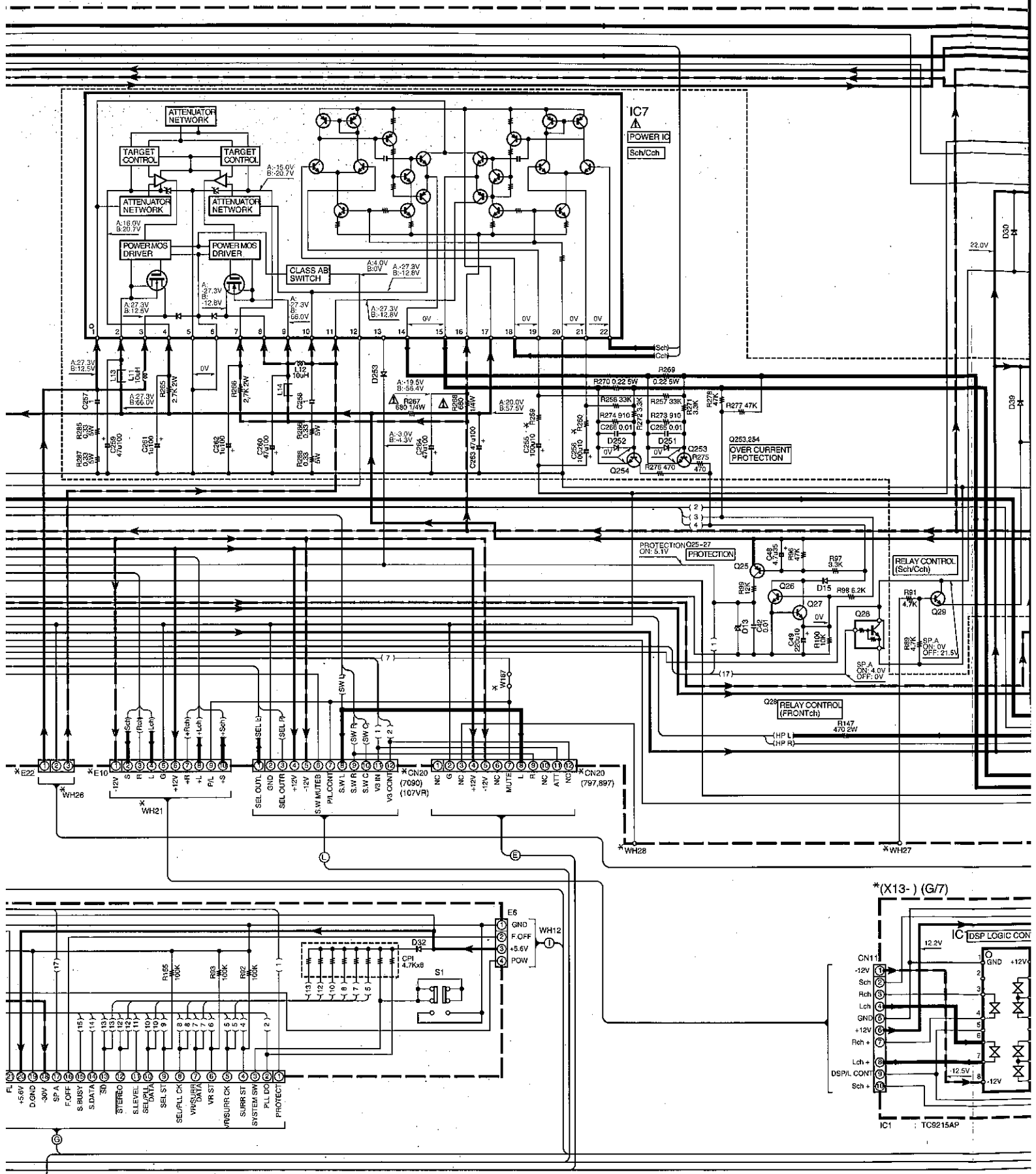
CONDITIONS	
A	TUNER(AM)MODE+SP.A
B	OTHER MODE+SP.A

Q203, Q204
OVER CURRENT PROTECTION

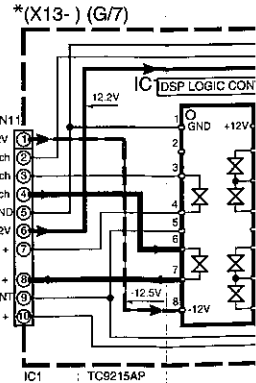


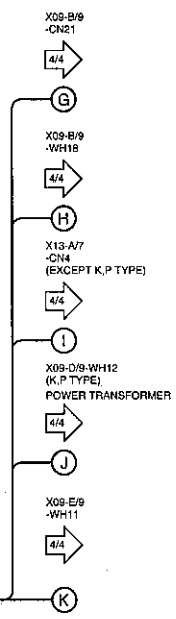
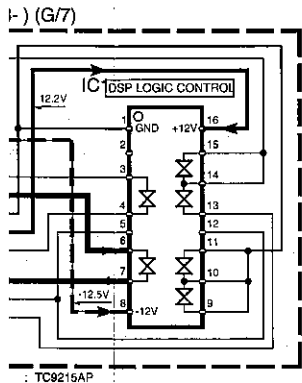
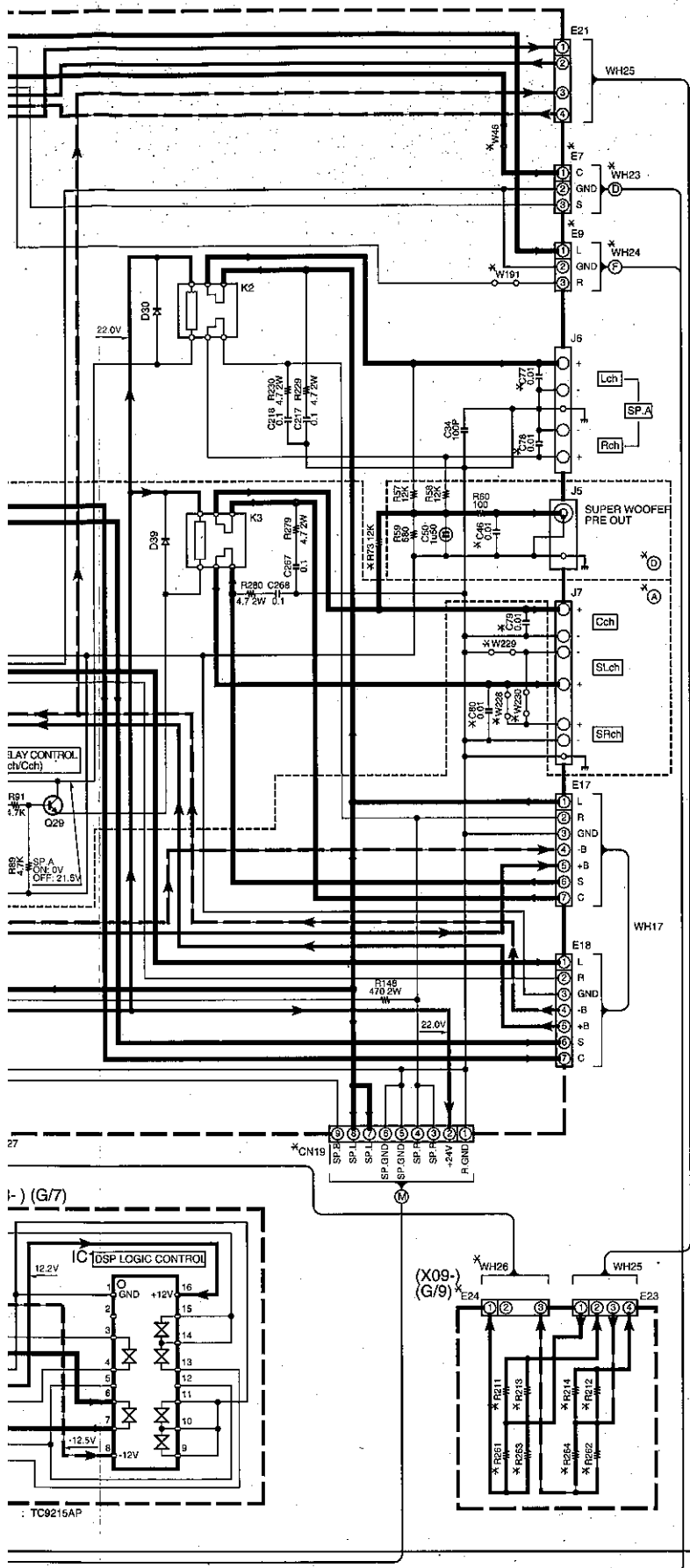
IC6, IC7

CONDITIONS	
A	TUNER(AM)MODE+SP.A
B	OTHER MODE+SP.A



CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ 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.





KR-V7090/V6090/897/797/107VR/106VR(M) (3/4)

106VR/107VR/KR-797/897/V6090/V7090

Y05-3280-10

KENWOOD

X09-A/9 -CN16
3/4
G
X13-B/7 -CN5
3/4
H

KR-V7090 (X13-743X-XX)

DESTINATION	UNIT No.	WH3-9	S1	S2	W14, W15	W16	W19	T1	F1	F2	F3	CN6,7	CN8,9	C2,6,7	X13-D/7	J1
GENERAL MARKET	M 0-21	YES	YES	NO	NO	NO	NO	L07-2128-05	T4AL 250	YES	NO	YES	NO	NO	NO	E03-0305-05
SHANGHAI	V 2-11	NO	NO	NO	NO	NO	NO	L07-2129-05	T4A 250	NO	NO	NO	NO	C91-1488-05	NO	E03-0337-05
AUSTRALIA	X 0-71	NO	NO	NO	NO	NO	NO	L07-2129-05	T4AL 250	NO	NO	NO	NO	C91-1488-05	NO	E03-0337-05
EUROPE	E 0-51	NO	NO	NO	NO	NO	NO	L07-2129-05	T3.15AL 250	NO	NO	NO	NO	C91-1488-05	NO	E03-0337-05
RUSSIA	O 2-71	NO	NO	NO	NO	NO	NO	L07-2129-05	T4AL 250	NO	NO	NO	NO	C91-1488-05	NO	E03-0337-05

KR-V6090 (X13-744X-XX)

DESTINATION	UNIT No.	WH3-9	S1	S2	W14, W15	W16	W19	T1	F1	F2	F3	CN6,7	CN8,9	C2,6,7	X13-D/7	J1
GENERAL MARKET	M 0-20	YES	YES	NO	NO	NO	NO	L07-2128-05	T4AL 250	YES	NO	YES	NO	NO	NO	E03-0305-05
SHANGHAI	V 2-11	NO	NO	NO	NO	NO	NO	L07-2128-05	T4A 250	NO	NO	NO	NO	C91-1488-05	NO	E03-0337-05
AUSTRALIA	X 0-71	NO	NO	NO	NO	NO	NO	L07-2128-05	T4AL 250	NO	NO	NO	NO	C91-1488-05	NO	E03-0337-05
U.K.	T 0-51	NO	NO	NO	NO	NO	NO	L07-2128-05	T3.15AL 250	NO	NO	NO	NO	C91-1488-05	NO	E03-0337-05
EUROPE	E 0-51	NO	NO	NO	NO	NO	NO	L07-2128-05	T4AL 250	NO	NO	NO	NO	C91-1488-05	NO	E03-0337-05
RUSSIA	O 2-71	NO	NO	NO	NO	NO	NO	L07-2128-05	T4AL 250	NO	NO	NO	NO	C91-1488-05	NO	E03-0337-05

KR-797 (X13-744X-XX)

DESTINATION	UNIT No.	WH3-9	S1	S2	W14, W15	W16	W19	T1	F1	F2	F3	CN6,7	CN8,9	C2,6	C7	X13-D/7	J1
GENERAL MARKET	Y 2-32	YES	NO	YES	NO	YES	NO	L07-2128-05	T4AL 250	YES	NO	YES	NO	C91-1488-05	NO	NO	E03-0318-05

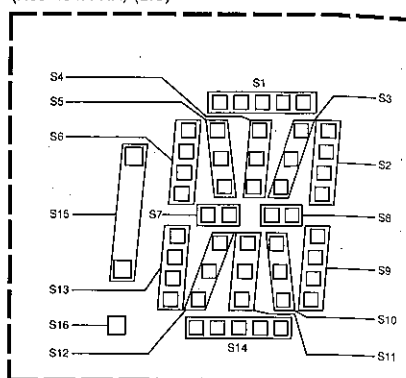
107VR (X13-743X-XX)

DESTINATION	UNIT No.	WH3-9	S1	S2	W14, W15	W16	W19	T1	F1	F2	F3	CN6,7	CN8,9	C2,6	C7	X13-D/7	J1
GENERAL MARKET	Y 2-91	YES	NO	YES	NO	YES	NO	L07-2128-05	T4AL 250	YES	NO	YES	NO	C91-1488-05	NO	NO	E03-0316-05

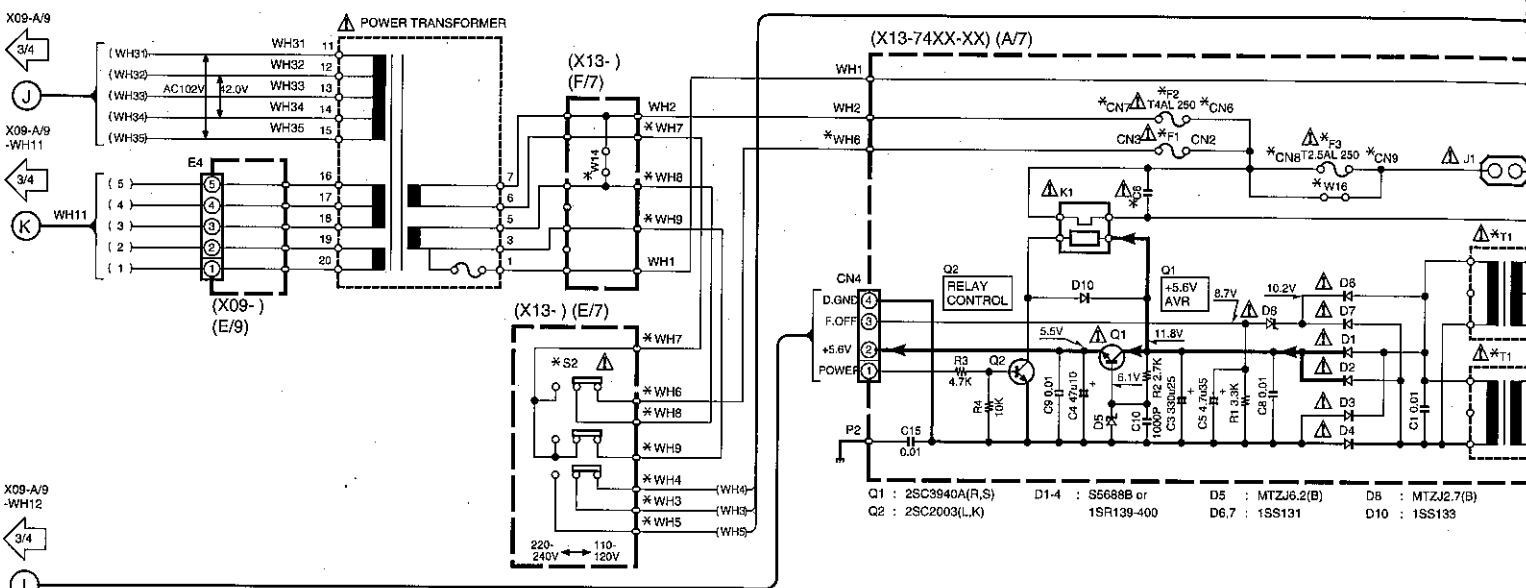
106VR (X13-744X-XX)

DESTINATION	UNIT No.	WH3-9	S1	S2	W14, W15	W16	W19	T1	F1	F2	F3	CN6,7	CN8,9	C2,6	C7	X13-D/7	J1
GENERAL MARKET	Y 2-91	YES	NO	YES	NO	YES	NO	L07-2128-05	T4AL 250	YES	NO	YES	NO	C91-1488-05	NO	NO	E03-0316-05

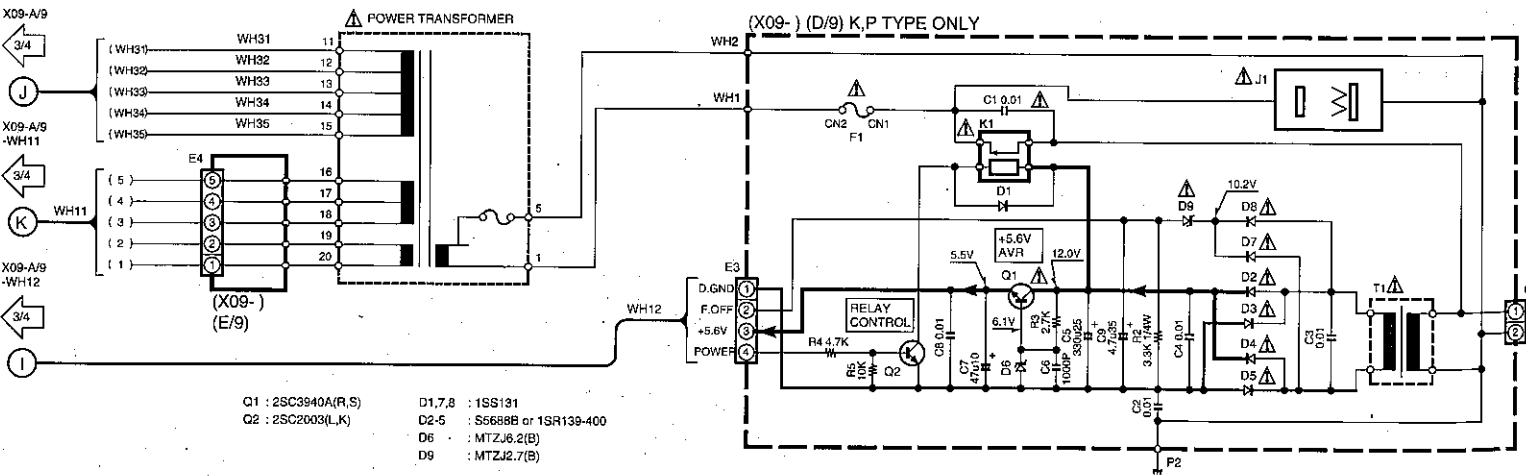
(X09-451X-XX) (B/9)



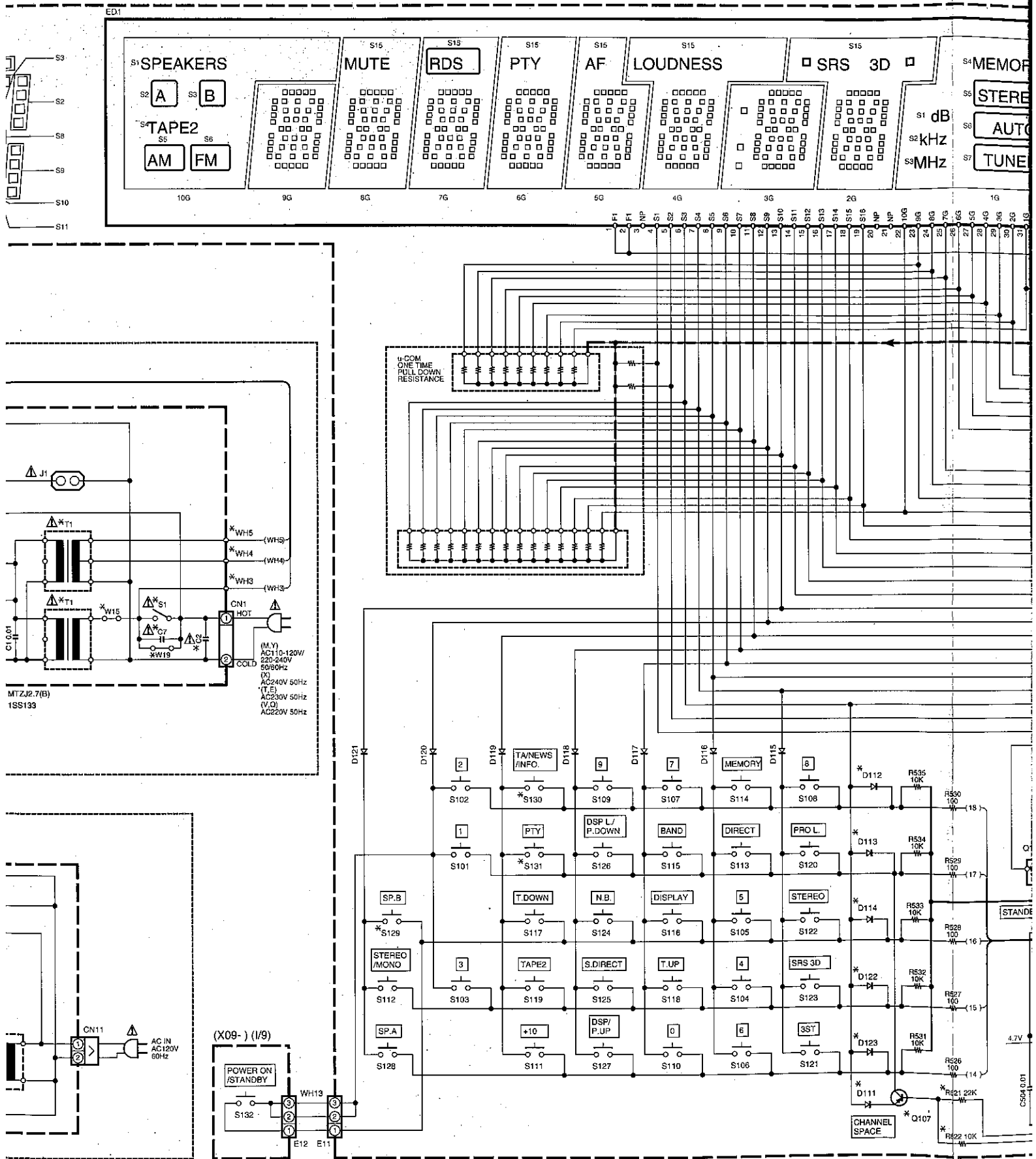
EXCEPT (K,P) TYPE



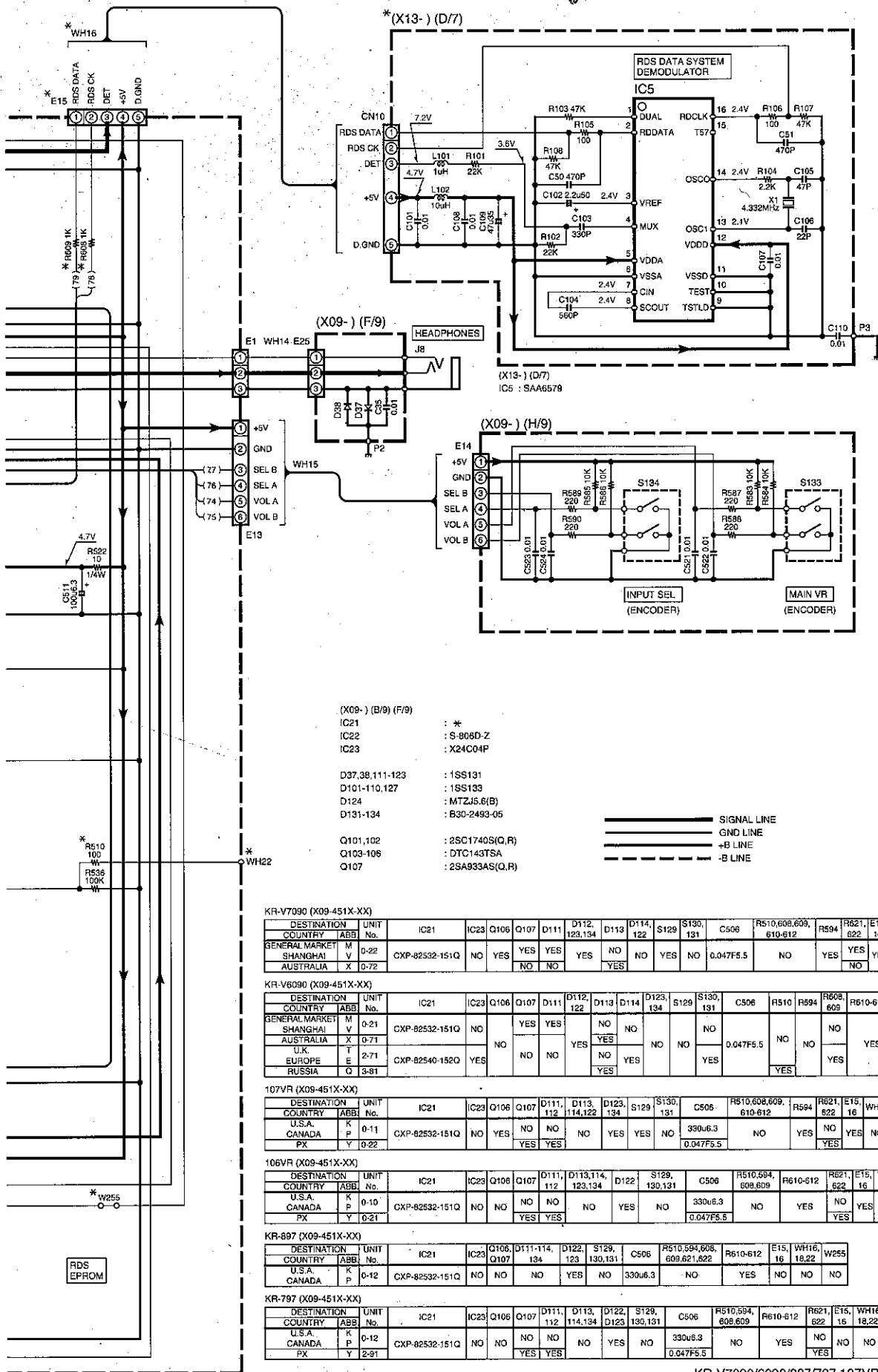
(K,P) TYPE



CAUTION: For com components. For cor measurements shall



ON: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). **Δ** indicates safety critical parts. 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 elements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.



- (X09-) (B/9) (F/9)
- IC21 : *
 - IC22 : S-808D-Z
 - IC23 : X24C04P
- D37,38,111-123 : 1S5131
- D101-110,127 : 1S5133
- D124 : MTZJ5.6(B)
- D131-134 : B30-2493-05
- Q101,102 : 2SC1740S(Q,R)
- Q103-106 : DTC143TSA
- Q107 : 2SA933AS(Q,R)



KR-V7090 (X09-451X-XX)

DESTINATION	UNIT	IC21	IC23	Q106	Q107	D111	D112, 123,134	D113	D114, 122	S129	S130, 131	C506	R510,608,609, 610-612	R594	R621, E15, 16	WH16	WH18	WH22	W255	
GENERAL MARKET	M	0-22	CXP-82532-151Q	NO	YES	YES	YES	NO	NO	NO	NO	0.047F5.5	NO	YES	YES	NO	YES	NO	YES	
SHANGHAI	V																			
AUSTRALIA	X	0-72			NO	NO		YES							NO					

KR-V6090 (X09-451X-XX)

DESTINATION	UNIT	IC21	IC23	Q106	Q107	D111	D112, 122	D113	D114	D123, 134	S129	S130, 131	C506	R510	R594	R608, 609	R610-612	R621, 622	E15	E16	WH16	WH18	WH22	W255
GENERAL MARKET	M	0-21	CXP-82532-151Q	NO	YES	YES	NO	NO	NO	NO	NO	NO	0.047F5.5	NO	NO	NO	NO	YES	YES	NO	NO	NO	NO	NO
SHANGHAI	V																							
AUSTRALIA	X	0-71		NO	NO	NO	YES	NO	NO	NO	NO	NO					YES	NO	NO	NO	NO	NO	NO	NO
U.K.	T	2-71						NO	YES									NO	NO	NO	YES			
EUROPE	E		CXP-82540-152Q	YES								YES				YES								YES
RUSSIA	Q	3-81						YES						YES										YES

107VR (X09-451X-XX)

DESTINATION	UNIT	IC21	IC23	Q106	Q107	D111, 112	D113, 114, 122	D123, 134	S129	S130, 131	C506	R510,594, 608,609	R610-612	R594	R621, 622	E15, 16	WH16	WH18	WH22	W255
U.S.A.	K	0-11		NO	YES	NO	NO	NO	YES	NO	NO	330u6.3	NO	YES	NO	YES	NO	YES	NO	YES
CANADA	P		CXP-82532-151Q	NO	YES	YES	YES	YES	NO	NO	0.047F5.5	NO	YES	YES	YES	YES	NO	YES	NO	YES
PX	Y	0-22				YES	YES								YES					

106VR (X09-451X-XX)

DESTINATION	UNIT	IC21	IC23	Q106	Q107	D111, 112	D113, 114, 123, 134	D122	S129, 130, 131	C506	R510,594, 608,609	R610-612	E15, 16	WH16, 18, 22	W255
U.S.A.	K	0-10		NO	NO	NO	NO	YES	NO	NO	330u6.3	NO	YES	NO	NO
CANADA	P		CXP-82532-151Q	NO	NO	NO	NO	YES	NO	NO	330u6.3	NO	YES	NO	NO
PX	Y	0-21		YES	YES						0.047F5.5		YES		

KR-897 (X09-451X-XX)

DESTINATION	UNIT	IC21	IC23	Q106	Q107	D111-114, 112	D122, 123	S129, 130, 131	C506	R510,594, 608, 609, 621, 622	R610-612	E15, 16	WH16, 18, 22	W255
U.S.A.	K	0-12		NO	NO	NO	NO	YES	NO	330u6.3	NO	YES	NO	NO
CANADA	P		CXP-82532-151Q	NO	NO	NO	NO	YES	NO	330u6.3	NO	YES	NO	NO

KR-797 (X09-451X-XX)

DESTINATION	UNIT	IC21	IC23	Q106	Q107	D111, 112	D113, 114, 134	D122, 123	S129, 130, 131	C506	R510,594, 608,609	R610-612	R621, 622	E15, 16	WH16, 18, 22	W255
U.S.A.	K	0-12		NO	NO	NO	NO	YES	NO	NO	330u6.3	NO	NO	NO	NO	NO
CANADA	P		CXP-82532-151Q	NO	NO	NO	NO	YES	NO	NO	330u6.3	NO	YES	NO	NO	NO
PX	Y	2-31		YES	YES						0.047F5.5		YES			

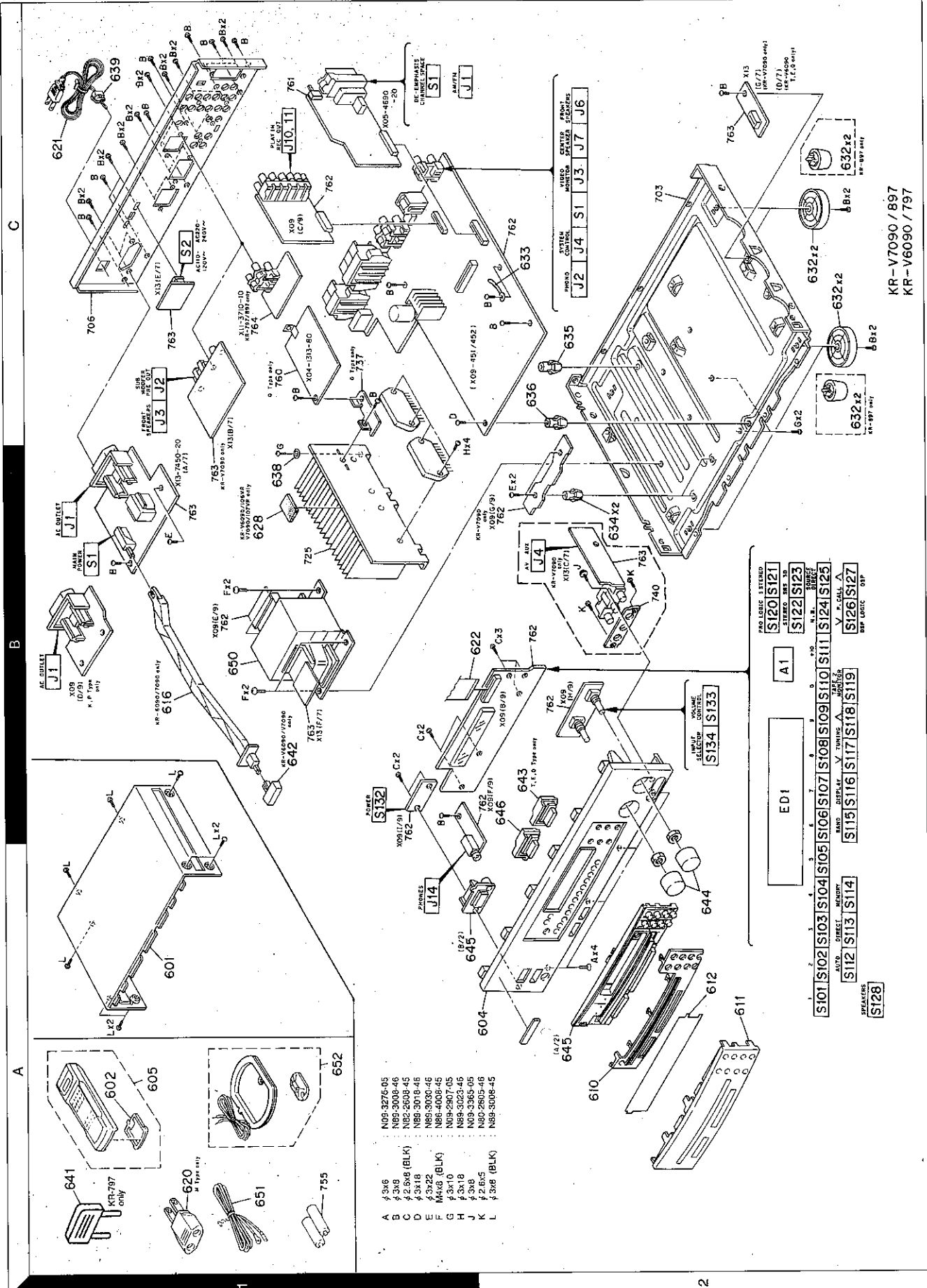
KR-V7090/6090/897/797,107VR,106VR(M) (4/4)

106VR/107VR/KR-797/897/V6090/V7090

Y05-3280-10

KENWOOD

EXPLODED VIEW (UNIT)



KR-V7090 / 897
KR-V6090 / 797

- A 4.3x6
- B 4.5x8 (BLK)
- C 4.5x8 (BLK)
- D 4.5x16
- E 4.5x22 (BLK)
- F 4.5x18
- G 4.5x8
- H 4.2x6.5
- I 4.3x8 (BLK)
- J 4.3x8 (BLK)
- K 4.2x6.5
- L 4.3x8 (BLK)

- N89-3276-05
- N89-3008-45
- N82-2609-45
- N89-3019-45
- N86-4008-45
- N89-3907-05
- N89-3023-45
- N89-3385-05
- N80-2805-45
- N89-3008-45

- NO LOGIC SELECTOR S120 S121
- STEREO RECALL S122 S123
- STEREO SPLIT S124 S125
- STEREO SPLIT S126 S127
- STEREO SPLIT S128
- POWER S132
- PHONES J14
- IMPACT SELECTOR CONTROL S134 S133
- ED1
- STEREO SPLIT S101 S102 S103 S104 S105 S106 S107 S108 S109 S110 S111 S112 S113 S114
- STEREO SPLIT S115 S116 S117 S118 S119
- STEREO SPLIT S120 S121 S122 S123 S124 S125 S126 S127 S128

PARTS LIST

* New Parts
Parts without **Parts No.** are not supplied.
Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.
Teile ohne **Parts No.** werden nicht geliefert.

* New Parts
Parts without **Parts No.** are not supplied.
Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.
Teile ohne **Parts No.** werden nicht geliefert.

Ref. No	Add-ress	New Parts	Parts No.	Description	Depth- nation	Re- marks
-			H11-0070-04	POLYSTYRENE FOAMED BOARD	MXVTEQ	
-			H13-0231-04	CARTON BOARD	X	
-			H25-0232-04	PROTECTION BAG (235X350X0.03)	EQ	
-			H25-0232-04	PROTECTION BAG (235X350X0.03)	KPYMVX	
-			H25-0391-04	PROTECTION BAG		
-		*	H25-0651-04	PROTECTION BAG (0232)	T	
-		*	H50-2161-04	ITEM CARTON CASE	T	
-		*	H50-2162-04	ITEM CARTON CASE	M	
-		*	H50-2271-04	ITEM CARTON CASE	V	
-		*	H50-2272-04	ITEM CARTON CASE		
-		*	H50-2307-04	ITEM CARTON CASE	XE	
-		*	H50-2308-04	ITEM CARTON CASE	Q	
632	2C		J02-1148-13	FOOT		
633	2B		J19-2808-05	HOLDER		
634	2C		J19-5786-04	UNIT HOLDER		
635	2C		J19-5787-04	UNIT HOLDER		
636	2C		J19-5788-04	UNIT HOLDER		
638	1B		J30-0466-04	SPACER	Q	
638	1B		J30-0466-04	SPACER	Y	
639	2C		J42-0093-05	POWER CORD BUSHING	Y	
-			J61-0070-05	WIRE BAND	Q	
-			J61-0070-05	WIRE BAND	Y	
-			J61-0307-05	WIRE BAND	Y	
642	1B		K27-2185-04	KNOB (BUTTON)	MXVTEQ	
643	2B		K29-6321-04	KNOB	TEQ	
644	2A		K29-6322-04	KNOB		
645	2A		K29-6508-02	KNOB		
646	2B		K29-6509-04	KNOB		
650	1B	*	L07-2247-05	POWER TRANSFORMER	KP	
650	1B	*	L07-2248-05	POWER TRANSFORMER	YM	
650	1B	*	L07-2249-05	POWER TRANSFORMER	X	
650	1B	*	L07-2267-05	POWER TRANSFORMER	TE	
650	1B	*	L07-2293-05	POWER TRANSFORMER	V	
650	1B	*	L07-2296-05	POWER TRANSFORMER	Q	
651	1A		T90-0801-05	LEAD WIRE ANTENNA		
652	1A		T90-0810-05	LEAD WIRE ANTENNA	KPYMVX	
652	1A		T90-0820-05	LOOP ANTENNA	TEQ	

KR-V7090/107VR

L : Scandinavia
Y : PX(Far East, Hawaii)
Y : AAFES(Europe)

K : USA
T : Europe
X : Australia

P : Canada
E : Europe
M : Other Areas

R : Mexico
G : Germany
Δ indicates safety critical components.

Ref. No	Add-ress	New Parts	Parts No.	Description	Depth- nation	Re- marks
601	1A		A01-3378-01	METALLIC CABINET	KPY	
602	1A		A09-0356-08	BATTERY COVER	MXV	
604	2A	*	A60-1020-01	PANEL	TEQ	
604	2A	*	A60-1021-01	PANEL		
604	2A	*	A60-1022-01	PANEL		
605	1A		A70-1107-05	REMOTE CONTROLLER ASSY		
610	2A		B07-2298-02	ESCLUTCHEON	KPYMVX	
611	2A		B10-2285-02	FRONT GLASS	TEQ	
612	2A		B10-2286-02	FRONT GLASS	X	
-			B11-0339-03	COLOR FILTER	K	
-			B46-0096-53	WARRANTY CARD	V	
-		*	B46-0197-00	QUESTIONNAIRE CARD	P	
-		*	B46-0310-03	WARRANTY CARD	Y	
-		*	B46-0329-03	WARRANTY CARD	Y	
-		*	B46-0330-03	WARRANTY CARD	XT	
-		*	B46-0336-03	WARRANTY CARD	MVE	
-		*	B58-0513-04	CAUTION CARD (PRESET220-240)	P	
-			B58-0964-13	CAUTION CARD	Q	
-		*	B58-0965-13	CAUTION CARD	Y	
-		*	B58-0966-13	CAUTION CARD	Y	
-		*	B58-0966-13	CAUTION CARD	X	
-		*	B58-0967-03	CAUTION CARD	Y	
-		*	B58-1528-03	CAUTION CARD	Y	
-		*	B59-1104-00	SERVICE DIRECTORY	Y	
-			B60-2989-00	INSTRUCTION MANUAL (ENGLISH)	KPY	
-			B60-2984-00	INSTRUCTION MANUAL (FRENCH)	P	
-			B60-2985-00	INSTRUCTION MANUAL (FRENCH)	E	
-			B60-2985-00	INSTRUCTION MANUAL (FRENCH)	E	
-			B60-2986-00	INSTRUCTION MANUAL (ITALY/SPA)	E	
-			B60-2987-00	INSTRUCTION MANUAL (GERMAN)	E	
-			B60-2988-00	INSTRUCTION MANUAL (ENGLISH)	E	
-			B60-2989-00	INSTRUCTION MANUAL (SPANISH)	M	
-		*	B60-2990-00	INSTRUCTION MANUAL (CHINESE)	V	
-			B60-2991-00	INSTRUCTION MANUAL (TAIWAN)	M	
-			B60-2992-00	INSTRUCTION MANUAL (RUSSPOL)	Q	
-			B60-3072-00	INSTRUCTION MANUAL (ENGLISH)	MX	
616	1B		D21-1829-13	EXTENSION SHAFT	MXVTEQ	
620	1A		E03-0115-05	AC PLUG ADAPTER	M	
621	1C		E30-2605-05	AC POWER CORD	Y	
621	1C		E30-2717-05	AC POWER CORD	X	
621	1C		E30-2721-05	AC POWER CORD	T	
621	1C		E30-2824-05	AC POWER CORD	V	
621	1C		E30-2842-05	AC POWER CORD	MEQ	
621	1C		E30-2849-05	AC POWER CORD	KP	
622	2B		E35-1679-05	FLAT CABLE		
628	1B		G11-2258-04	CUSHION		
-			H10-7250-02	POLYSTYRENE FOAMED FIXTURE	EQ	
-			H10-7250-02	POLYSTYRENE FOAMED FIXTURE	KPYMVX	
-			H10-7251-02	POLYSTYRENE FOAMED FIXTURE	EQ	
-			H10-7251-02	POLYSTYRENE FOAMED FIXTURE	EQ	
-			H10-7252-02	POLYSTYRENE FOAMED FIXTURE	KPYMVX	
-			H10-7253-02	POLYSTYRENE FOAMED FIXTURE	T	

L : Scandinavia
Y : PX(Far East, Hawaii)
Y : AAFES(Europe)

K : USA
T : Europe
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PARTS LIST

4
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Ref. No	Add-ress	New Parts	Parts No.	Description	Designation	Re-marks
604	2A	*	A60-1088-01	PANEL (KR-797)	KPY	
605	1A	*	A70-1107-05	REMOTE CONTROLLER ASSY		
610	2A		B07-2298-02	ESCUTCHEON		
611	2A		B10-2285-02	FRONT GLASS		
612	2A		B11-0339-03	COLOR FILTER		
			B46-0197-00	QUESTIONNAIRE CARD		
		*	B46-0328-03	WARRANTY CARD		
			B46-0336-03	WARRANTY CARD		
			B58-0513-04	CAUTION CARD (PRESET220-240)		
			B58-0964-13	CAUTION CARD		
		*	B58-0967-03	CAUTION CARD		
		*	B58-1540-03	CAUTION CARD		
			B59-1104-00	SERVICE DIRECTORY		
		*	B60-3069-00	INSTRUCTION MANUAL (ENGLISH)		
		*	B60-3070-00	INSTRUCTION MANUAL (FRENCH)		
621	1C		E30-2805-05	AC POWER CORD		
621	1C		E30-2849-05	AC POWER CORD		
622	2B	*	E35-1679-05	FLAT CABLE		
			H10-7250-02	POLYSTYRENE FOAMED FIXTURE		
			H10-7251-02	POLYSTYRENE FOAMED FIXTURE		
			H25-0232-04	PROTECTION BAG (235X350X0.03)		
			H25-0391-04	PROTECTION BAG		
		*	H50-2189-04	ITEM CARTON CASE		
		*	H50-2227-04	ITEM CARTON CASE		
632	2C		J02-1013-05	FOOT		
633	2C		J19-2808-05	HOLDER		
634	2B	*	J19-5786-04	UNIT HOLDER		
635	2C		J19-5787-04	UNIT HOLDER		
636	2C		J19-5788-04	UNIT HOLDER		
638	1B		J30-0466-04	SPACER		
639	1C		J42-0083-05	POWER CORD BUSHING		
641	1A		J12-0091-15	PIN		
			J61-0070-05	WIRE BAND		
			J61-0307-05	WIRE BAND		
644	2A		K29-6322-04	KNOB		
645	2A		K29-6508-02	KNOB		
646	2B		K29-6509-04	KNOB		
650	1B	*	L07-2247-05	POWER TRANSFORMER		
650	1B	*	L07-2248-05	POWER TRANSFORMER		
651	1A		T90-0801-05	LEAD WIRE ANTENNA		
652	1A		T90-0820-05	LOOP ANTENNA		
POLAR UNIT (X04-1313-81)						
C1			CE04LW1H010M	ELECTRO		
C2	3		C91-1566-05	POLYPROPYLENE FILM CAPACITOR		
C4			CE04LW1A470M	ELECTRO		
C5	6		CQ93FMG1H102J	MYLAR		
C7			CC45FSL1H331J	CERAMIC		
C8			CK45FB1H102K	CERAMIC		
C9			CC93FC1H471J	CERAMIC		
C10	11		CE04LW1HR477M	ELECTRO		
C12			CK45FF1H473Z	CERAMIC		

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Ref. No	Add-ress	New Parts	Parts No.	Description	Designation	Re-marks
		*	B58-0965-13	CAUTION CARD	X	
		*	B58-0966-13	CAUTION CARD	MV	
		*	B59-0967-03	CAUTION CARD	P	
		*	B59-1104-00	SERVICE DIRECTORY	Y	
		*	B60-2978-00	INSTRUCTION MANUAL (ENGLISH)	KPY	
		*	B60-2979-00	INSTRUCTION MANUAL (FRENCH)	P	
		*	B60-2980-00	INSTRUCTION MANUAL (SPANISH)	M	
		*	B60-2981-00	INSTRUCTION MANUAL (CHINESE)	V	
		*	B60-2982-00	INSTRUCTION MANUAL (TAIWAN)	M	
		*	B60-3071-00	INSTRUCTION MANUAL (ENGLISH)	MX	
616	1B		D21-1829-13	EXTENSION SHAFT	MVX	
620	1A		E03-0115-05	AC PLUG ADAPTER	M	
621	1C		E30-2605-05	AC POWER CORD	Y	
621	1C		E30-2717-05	AC POWER CORD	X	
621	1C		E30-2824-05	AC POWER CORD	V	
621	1C		E30-2842-05	AC POWER CORD	M	
621	1C		E30-2849-05	AC POWER CORD	KP	
622	2B	*	E35-1679-05	FLAT CABLE		
628	1B		G11-2258-04	CUSHION		
			H10-7250-02	POLYSTYRENE FOAMED FIXTURE		
			H10-7251-02	POLYSTYRENE FOAMED FIXTURE		
			H11-0070-04	POLYSTYRENE FOAMED BOARD		
			H13-0231-04	CARTON BOARD		
			H25-0232-04	PROTECTION BAG (235X350X0.03)		
			H25-0391-04	PROTECTION BAG		
		*	H50-2160-04	ITEM CARTON CASE		
		*	H50-2269-04	ITEM CARTON CASE		
		*	H50-2270-04	ITEM CARTON CASE		
		*	H50-2306-04	ITEM CARTON CASE		
632	2C		J02-1148-13	FOOT		
633	2C		J19-2808-05	HOLDER		
634	2B	*	J19-5786-04	UNIT HOLDER		
635	2C		J19-5787-04	UNIT HOLDER		
636	2C		J19-5788-04	UNIT HOLDER		
638	1B		J30-0466-04	SPACER		
639	1C		J42-0083-05	POWER CORD BUSHING		
			J61-0070-05	WIRE BAND		
			J61-0307-05	WIRE BAND		
642	1B		K27-2185-04	KNOB (BUTTON)		
643	2B		K29-6321-04	KNOB		
644	2A		K29-6322-04	KNOB		
645	2A		K29-6508-02	KNOB		
650	1B	*	L07-2247-05	POWER TRANSFORMER		
650	1B	*	L07-2248-05	POWER TRANSFORMER		
650	1B	*	L07-2249-05	POWER TRANSFORMER		
650	1B	*	L07-2293-05	POWER TRANSFORMER		
651	1A		T90-0801-05	LEAD WIRE ANTENNA		
652	1A		T90-0820-05	LOOP ANTENNA		
KR-797/897						
601	1A		A01-3378-01	METALLIC CABINET		
602	1A		A09-0356-08	BATTERY COVER		
604	2A		A60-1087-01	PANEL (KR-887)		

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106VR/107VR/KR-797/897/V6090/V7090

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C12			CE04LW1H2R2M	ELECTRO		
C13			CK73FB1H102K	CHIP C		50WV
C14			CE04LW1H3R3M	ELECTRO		K
C15			CK73FCH1H220J	CHIP C		50WV
C16			CE04LW1C100M	ELECTRO		J
C17			CK73FB1H562K	CHIP C		16WV
C18			CK73FB1H102K	CHIP C		K
C19			CE04HW1E4R7M	NP-ELEC		K
C20			CK73FB1E104K	CHIP C		25WV
C21, 22			CQ92FW1H113J	MYLAR		J
C23			CE04LW1H010M	ELECTRO		0.011UF
C24			CK73EB1H103K	CHIP C		1.0UF
C25			CE04LW1C100M	ELECTRO		0.010UF
C26			CE04LW1C470M	ELECTRO		10UF
C27			CE04LW1H010M	ELECTRO		47UF
C28			CQ92FM1H223J	MYLAR		50WV
C29			CE04LW1H2R2M	ELECTRO		J
C30			CE04LW1C101M	ELECTRO		0.022UF
C31			CE04LW1C100M	ELECTRO		2.2UF
C32			CK73FB1H103K	CHIP C		50WV
C33			CK73FSL1H101J	CHIP C		100PF
C34, 35			CK73FB1H102K	CHIP C		1000PF
C36			CK73FCH1H220J	CHIP C		27PF
C37			CK73FCH1H220J	CHIP C		22PF
C38			CK73FB1H471K	CHIP C		22PF
C52			CK73FCH1H270J	CHIP C		470PF
C57-60			CE04LW1C100M	ELECTRO		J
C61, 62			CQ92FM1H472J	MYLAR		10UF
C63			CK73FCH1H220J	CHIP C		4700PF
GN1			E40-9831-05	SOCKET FOR PIN ASSY		22PF
J1			E70-0079-05	LOCK TERMINAL BOARD		
J2			F10-1074-04	SHIELDING PLATE		
CF1, 2			L72-0531-05	CERAMIC FILTER		
CF3			L72-0533-05	CERAMIC FILTER		
L1			L39-1348-05	COMBINATION COIL		
L2			L30-0911-05	AM/IFT		
L3			L40-1091-17	SMALL FIXED INDUCTOR(1UH)		
X1			L77-2187-05	CRYSTAL RESONATOR(7.2MHZ)		
X2			L78-0295-05	RESONATOR (456KHZ)		
R1			RK73FB2A332J	CHIP R		3.3K
R2			RK73FB2A681J	CHIP R		680
R3			RK73FB2A100J	CHIP R		10
R4, 5			RK73FB2A331J	CHIP R		330
R6			RK73FB2A101J	CHIP R		100
R7			RK73FB2A683J	CHIP R		68K
R8			RK73FB2A331J	CHIP R		330
R13			RK73FB2A333J	CHIP R		33K
R15, 16			RK73FB2A393J	CHIP R		39K
R17			RK73FB2A271J	CHIP R		270
R18			RK73FB2A302J	CHIP R		3.0K
R19			RK73FB2A822J	CHIP R		8.2K
R21-23			RK73FB2A102J	CHIP R		1.0K
R24			RK73FB2A562J	CHIP R		5.6K

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C13-15			CE04LW1H010M	ELECTRO		50WV
C16			CK45FF1H103Z	CERAMIC		Z
C17, 18			CE04LW1H2R2M	ELECTRO		50WV
C19, 20			CQ93FM1H682J	MYLAR		J
C21			CK45FF1H103Z	CERAMIC		Z
C22			CE04LW1A470M	ELECTRO		47UF
C23, 24			CQ93FM1H472J	MYLAR		10WV
C25			CC45FS1H121J	CERAMIC		J
C26			CE04LW1H2R2M	ELECTRO		120PF
TC1			C05-0463-05	CERAMIC TRIMMER CAPACITOR(120P)		50WV
CN2, 3			E40-4871-05	PIN ASSY		
CN4			E40-4372-05	PIN ASSY		
CN5			E40-3259-05	PIN ASSY		
CN6			E40-4872-05	PIN ASSY		
L1			H12-2330-04	PACKING FIXTURE		
L2, 3			H13-0262-04	CARTON BOARD		
L4			H21-0343-04	PROTECTION SHEET		
R9, VR1, VR2			H25-1609-04	PROTECTION BAG		
D1			H50-2411-04	ITEM CARTON CASE		
D2, 3			L39-1350-05	PEAKING COIL		
D4			L79-1236-05	LC FILTER		
D5			L40-1021-14	SMALL FIXED INDUCTOR(1.0MH(K))		
D6, 7			RS14KB9A221J	FL-PROOF RS		J 1W
D8			R12-3685-05	TRIMMING POT.(10K)		
D9			R12-1619-05	TRIMMING POT.(4.7K)		
D10			MTZJ5.1(B)	ZENER DIODE		
D11			UZ-5.1BSB	ZENER DIODE		
D12, 3			HSS104	DIODE		
D14			1SS133	DIODE		
D4			MTZJ5.1(B)	ZENER DIODE		
D4			UZ-5.1BSB	ZENER DIODE		
D5			MTZJ3.3(B)	ZENER DIODE		
D6			UZ-3.3BSB	ZENER DIODE		
D6, 7			HSS104	DIODE		
D6, 7			1SS133	DIODE		
IC1			IR3R42	ANALOGUE IC		
IC2			NJM4555D	ANALOGUE IC		
IC3			TC4052BP	IC(4CH MPX/DE-MPX)		
Q1			2SA1175(F,E)	TRANSISTOR		
Q1			2SA933AS(Q,R)	TRANSISTOR		
Q2, 3			2SC2878(B)	TRANSISTOR		
Q4			2SA1175(F,E)	TRANSISTOR		
Q4			2SA933AS(Q,R)	TRANSISTOR		
Q5			DTC124ESA	DIGITAL TRANSISTOR		
Q5			UN4212	DIGITAL TRANSISTOR		
TUNER UNIT (X05-4690-20 : YMXV TYPE ONLY)						
C1, 2			CK73FB1H103K	CHIP C		0.010UF
C3			CK73FB1H040C	CHIP C		4.0PF
C4			CK73FB1H103K	CHIP C		0.010UF
C7			CK73FB1H102K	CHIP C		1000PF
C8			CK73FB1H473K	CHIP C		0.047UF
C9			CE04LW1C100M	ELECTRO		10UF
C10			CK73FB1H473K	CHIP C		0.047UF
C11			CE04LW1H010M	ELECTRO		1.0UF

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Ref. No.	Add. res.	New Parts	Parts No.	Description	Desti- nation	Re- marks
C29			CK73EB1E104K	CHIP C	KP	
C30			CK73EB1E473K	CHIP C		
C31			CE04LW1C470M	ELECTRO		
C32			CK73FB1H103K	CHIP C		
C33			CE04LW1C100M	ELECTRO		
C34			CK73EB1E104K	CHIP C		
C35			CE04LW1C100M	ELECTRO		
C36			CK73FB1E473K	CHIP C		
C37			CK73EB1E105Z	CHIP C		
C38			C90-3217-05	ELECTRO		
C39			CK73FB1H102K	CHIP C		
C40			C90-3253-05	ELECTRO		
C41			C90-3251-05	ELECTRO		
C42			C90-3240-05	ELECTRO		
C43			CE04LW1HR47M	ELECTRO		
C44			CK73FB1E473K	CHIP C		
C45			CK73FB1H220J	CHIP C		
C46			CE04LW1A101M	ELECTRO		
C47			CK73FB1H582K	CHIP C		
C48			CK73FB1H101J	CHIP C		
C49			CK73FB1H122K	CHIP C		
C50			C90-3253-05	ELECTRO		
C51	.52		CK73FB1H102K	CHIP C		
C52	.54		C90-3217-05	ELECTRO		
C53	.54		CK73FB1H229K	CHIP C		
C54	.54		CK73FB1H383K	CHIP C		
C55	.56		C90-3240-05	ELECTRO		
C57	.58		CK73FB1H822K	CHIP C		
C59			CK73FB1H103K	CHIP C		
C60			CK73FB1E104K	CHIP C		
C61			CK73FB1H103K	CHIP C		
C64			CK73FB1H383K	CHIP C		
C66			CC73FCH1H060D	CHIP C		
C67			CC73FCH1H220J	CHIP C		
C68			CC73FSL1H020C	CHIP C		
C69			CK73FB1H103K	CHIP C		
C70			CC73FSL1H101J	CHIP C		
C81			CC73FCH1H220J	CHIP C		
C82			CC73FCH1H270J	CHIP C		
C84			CK73FB1H102K	CHIP C		
C85			C91-0745-05	CERAMIC		
C86			C91-0757-05	CERAMIC		
C87			CE04LW1C100M	ELECTRO		
C89			CE04LW1C470M	ELECTRO		
C90			CE04LW1H2R2M	ELECTRO		
C91			CO92FM1H225J	MYLAR		
C92			CK73FSL1H471J	CHIP C		
C93			CK73FB1H103K	CHIP C		
C94			CK73FB1H102K	CHIP C		
C95			CC73FCH1H470J	CHIP C		
C96			CC73FSL1H101J	CHIP C		
C97			CK73FB1H102K	CHIP C		
C98			CC73FSL1H101J	CHIP C		

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Ref. No.	Add. res.	New Parts	Parts No.	Description	Desti- nation	Re- marks
R25			RD14NB2E101J	RD	1/4W	
R26			RD14NB2E561J	RD	1/4W	
R27	.28		CK73FB2A103J	CHIP R	1/10W	
R29	.30		CK73FB2A102J	CHIP R	1/10W	
R31			CK73FB2A103J	CHIP R	1/10W	
R32			CK73FB2A122J	CHIP R	1/10W	
R33			CK73FB2A123J	CHIP R	1/10W	
R41			RS14KB3A181J	FL-PROOF RS	1W	
R42			RD14NB2E820J	RD	1/4W	
R43			RD14NB2E221J	RD	1/4W	
R44			CK73FB2A101J	CHIP R	1/10W	
R46			CK73FB2A104J	CHIP R	1/10W	
R47			CK73FB2A153J	CHIP R	1/10W	
R48			CK73FB2A473J	CHIP R	1/10W	
R49			CK73FB2A473J	CHIP R	1/10W	
R50			CK73FB2A471J	CHIP R	1/10W	
R51	.54		CK73FB2A473J	CHIP R	1/10W	
R55	.56		CK73FB2A154J	CHIP R	1/10W	
R59	.60		CK73FB2A382J	CHIP R	1/10W	
R61			CK73FB2A822J	CHIP R	1/10W	
R62			CK73FB2A473J	CHIP R	1/10W	
R63			CK73FB2A821J	CHIP R	1/10W	
R64			CK73FB2A102J	CHIP R	1/10W	
R65			CK73FB2B102J	CHIP R	1/10W	
W101-106			R92-0670-05	CHIP R	1/10W	
W108-114			R92-0670-05	CHIP R	1/10W	
W115			R92-0670-05	CHIP R	1/10W	
W116			R92-0670-05	CHIP R	1/10W	
W201			R92-0679-05	CHIP R	1/10W	
W202			R92-0670-05	CHIP R	1/10W	
W203-208			R92-0679-05	CHIP R	1/10W	
W210,211			R92-0679-05	CHIP R	1/10W	
S1			S62-0084-05	SLIDE SWITCH	YMV	
D1	.2		1SS133	DIODE		
D3	.4		MTZJ5.1(B)	ZENER DIODE		
D8			1SS133	DIODE		
D12			MTZJ3.3(B)	ZENER DIODE		
IC1			LA1832	ANALOGUE IC		
IC2			LC72131	MOS-IC		
IC4			NJM4565M	IC(OP AMP X2)		
Q1			2SC2714(R,O)	TRANSISTOR		
Q3			2SA1576A(R,S)	TRANSISTOR		
Q5			2SC4081(R,S)	TRANSISTOR		
Q6			2SA1576A(R,S)	TRANSISTOR		
Q7	.8		2SD1328	TRANSISTOR		
Q9	.10		2SC4081(R,S)	TRANSISTOR		
A1			W02-2539-05	FM FRONT-END ASSY	YMV	
TUNER UNIT (X05-4700-10 : KPTEQ TYPE ONLY)						
C1			CE04LW1C470M	ELECTRO		
C2			CE04LW1H010M	ELECTRO		
C3	.6		CK73FB1H103K	CHIP C		
C7	.8		CK73FB1H103K	CHIP C		
C9			C91-0769-05	CERAMIC		

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R37			RK73FB2A362J	3.6K	1/10W	KP
R38			RK73FB2A332J	3.3K	1/10W	KP
R39			RK73FB2A222J	2.2K	1/10W	TEQ
R40			RK73FB2A473J	47K	1/10W	TEQ
			RK73FB2A332J	3.3K	1/10W	TEQ
R41			RK73FB2A222J	2.2K	1/10W	TEQ
R42			RK73FB2A473J	47K	1/10W	TEQ
R43_44			RK73FB2A222J	2.2K	1/10W	TEQ
R43_44			RK73FB2A392J	3.9K	1/10W	KP
R45_46			RK73FB2A122J	1.2K	1/10W	TE
R45_46			RK73FB2A332J	3.3K	1/10W	KP
R47_48			RK73FB2A392J	3.9K	1/10W	TE
R47_48			RK73FB2A392J	3.9K	1/10W	TE
R49			RK73FB2A473J	47K	1/10W	KP
R51			RK73FB2A102J	1.0K	1/10W	TEQ
R52			RK73FB2A104J	100K	1/10W	TEQ
R53			RK73FB2A102J	1.0K	1/10W	TEQ
R54			RK73FB2A683J	68K	1/10W	TEQ
R55			RK73FB2A473J	47K	1/10W	TEQ
R56			RK73FB2A104J	100K	1/10W	TEQ
R59			RK73FB2A222J	2.2K	1/10W	TEQ
R67			RK73FB2A104J	100K	1/10W	TEQ
R80			RK73FB2B102J	1.0K	1/8W	TEQ
R81_83			RK73FB2A102J	1.0K	1/10W	TEQ
R84			RK73FB2A103J	1.0K	1/10W	TEQ
R85_87			RK73FB2A103J	1.0K	1/10W	TEQ
R88			RK73FB2A103J	1.0K	1/10W	TEQ
R89			RD14NB2E101J	100	1/4W	KP
R90			RK73FB2A562J	5.6K	1/10W	TEQ
R91			RK73FB2A102J	1.0K	1/10W	TEQ
R92			RK73FB2A222J	2.2K	1/10W	TEQ
R93			RK73FB2A123J	1.2K	1/10W	TEQ
R94			RK73FB2A122J	1.2K	1/10W	TEQ
			RD14NB2E561J	560	1/4W	KPTE
R101_102			RK73FB2A102J	1.0K	1/10W	KPTE
R103			RK73FB2A821J	820	1/10W	KPTE
R104			RK73FB2A473J	47K	1/10W	KPTE
R105			RK73FB2A822J	8.2K	1/10W	KPTE
W51_55			R92-0670-05	0 OHM		
W55_58			R92-0679-05	0 OHM		
W59			R92-0670-05	0 OHM		
W60			R92-0679-05	0 OHM		
W61			R92-0670-05	0 OHM		
W62_65			R92-0679-05	0 OHM		
W66			R92-0670-05	0 OHM		
W67			R92-0679-05	0 OHM		
W68			R92-0670-05	0 OHM		
W69_71			R92-0679-05	0 OHM		
W73			R92-0670-05	0 OHM		
W79_74			R92-0670-05	0 OHM		
W76_77			R92-0670-05	0 OHM		
W80			R92-0670-05	0 OHM		
W81			R92-0679-05	0 OHM		
W82			R92-0670-05	0 OHM		

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C99_100			CC73FSL1H471J	470PF	KPQ	
C102			CC73FSL1H181J	180PF	KP	
C103			CK73FB1H102K	1000PF	Q	
			CC73FSL1H101J	100PF	Q	
CN1			E40-9831-05	SOCKET FOR PIN ASSY	KPTE	
CN2			E40-4871-05	PIN ASSY	KP	
J1			E70-0079-05	LOCK TERMINAL BOARD	TEQ	
WH1			E70-0080-05	LOCK TERMINAL BOARD	Q	
			E35-1808-05	WIRING HARNESS	Q	
J2			F10-1074-04	SHIELDING PLATE	KP	
J2			F10-1075-04	SHIELDING PLATE	TEQ	
CF1_2			L72-0536-05	CERAMIC FILTER	TEQ	
CF1_2			L72-0596-05	CERAMIC FILTER	TEQ	
L31			L30-0910-05	FM IFT	KP	
L31			L30-0929-05	FM IFT	KP	
L32			L30-0930-05	FM IFT	TEQ	
L33			L30-0911-05	AM IFT	TEQ	
L34			L79-1240-05	LC FILTER	TE	
L35_36			L79-1239-05	LC FILTER	TE	
L61			L40-1091-17	SMALL FIXED INDUCTOR(1UH)		
L62			L39-1351-05	COMBINATION COIL		
L63			L40-1001-17	SMALL FIXED INDUCTOR(10UH,K)		
TEQ			L78-0295-05	RESONATOR (456KHZ)		
X31			L77-2187-05	CRYSTAL RESONATOR(7.2MHZ)		
X81						
R1			RD14NB2E101J	100	1/4W	
R2			RK73EB2B221J	220	1/8W	
R3			RK73FB2A331J	330	1/10W	KP
R3			RK73FB2A332J	3.3K	1/10W	TEQ
R4			RK73FB2A681J	680	1/10W	TEQ
R5			RK73FB2A331J	330	1/10W	KP
R6			RK73FB2A100J	10	1/10W	TEQ
R7			RK73FB2A220J	22	1/10W	TEQ
R7			RK73FB2A331J	3.3K	1/10W	TEQ
R8			RK73FB2A332J	330	1/10W	TEQ
R10			RK73FB2A332J	3.3K	1/10W	TEQ
R11			RK73FB2A681J	680	1/10W	TEQ
R12			RK73FB2A122J	1.2K	1/10W	TEQ
R13_14			RK73FB2A331J	330	1/10W	TEQ
R15			RK73FB2A101J	100	1/10W	TEQ
R16			RK73FB2A220J	22	1/10W	TEQ
R17			RK73FB2A621J	620	1/10W	TEQ
R18			RK73FB2A123J	1.2K	1/10W	TEQ
R19			RK73FB2A473J	4.7	1/10W	TEQ
R20			RK73FB2A122J	1.2K	1/10W	TEQ
R22			RK73FB2A101J	100	1/10W	KP
R30			RK73FB2A681J	680	1/10W	TEQ
R31			RS14KB3A820J	82	1W	FL-PROOF RS
R32			RK73EB2B562J	5.6K	1/8W	
R33			RK73FB2A302J	3.0K	1/10W	
R34			RK73FB2A822J	8.2K	1/10W	KP
R35_36			RK73FB2A392J	3.9K	1/10W	TEQ
R36			RK73FB2A333J	33K	1/10W	TEQ
R37			RK73FB2A243J	24K	1/10W	KP
			RK73FB2A302J	3.0K	1/10W	TEQ

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Ref. No	Add-ress	Parts No.	Description	Desig-nation	Re-marks
C46		CK45FF1H103Z	0.010UF	1234	
C47		CE04LW1C470M	47UF		
C48		CE04LW1V4R7M	4.7UF		
C49		CE04LW1A221M	220UF		
C50		CE04HW1H010M	1.0UF		
C51, 52		CC45FSL1H470J	47PF		
C53, 54		CE04LW1C100M	10UF		
C55, 56		CC45FSL1H470J	47PF		
C57, 58		CC45FSL1H221J	220PF		
C59		CK45FF1H103Z	0.010UF		
C60		CK45FE1H103Z	0.010UF		
C61, 62		CC45FSL1H220J	22PF		
C63, 64		CE04LW1C100M	10UF		
C65, 66		CC45FSL1H221J	220PF		
C67, 68		CE04LW1A101M	100UF		
C69, 70		CK45FB1H102K	1000PF		
C71, 72		CO92FM1H123J	0.012UF		
C73, 74		CO92FM1H332J	3300PF		
C75, 76		CE04LW1V4R7M	4.7UF		
C77, 80		CK45FF1H103Z	0.010UF		
C81		CO92FM1H223J	0.022UF		
C82		CO92FM1H473J	0.047UF		
C83		CE04LW1A221M	220UF		
C84, 87		CE04LW1C100M	10UF		
C88		CE04LW1A221M	220UF		
C89, 90		CF92FV1H104J	0.10UF		
C91		CE04LW1HR47M	0.47UF		
C92		CE04LW1V4R7M	4.7UF		
C93		CE04LW1HR47M	4.7UF		
C94		CE04LW1V4R7M	4.7UF		
C95		CF92FV1H154J	0.15UF		
C96		CE04LW1H3R3M	3.3UF		
C97, 98		CF92FV1H154J	0.15UF		
C99		CE04LW1H3R3M	3.3UF		
C100		CF92FV1H154J	0.15UF		
C101		CE04LW1V4R7M	4.7UF		
C102		CE04LW1HR47M	4.7UF		
C103		CE04LW1V4R7M	4.7UF		
C104		CE04LW1HR47M	4.7UF		
C105, 106		CF92FV1H104J	0.10UF		
C107		CE04LW1C470M	47UF		
C108		CF92FV1H474J	0.47UF		
C109		CK45FF1H103Z	0.010UF		
C110		CO92FM1H687J	680PF		
C111		CK45FB1H102K	1000PF		
C115, 116		CE04LW1C100M	10UF		
C117		CE04LW1C101M	100UF		
C118		CF92FV1H474J	0.47UF		
C119		CE04LW1H010M	1.0UF		
C120		CE04LW1V4R7M	4.7UF		
C121		CE04HW1E4R7M	4.7UF		
C122-124		CE04LW1C100M	10UF		
C127		CK45FF1H103Z	0.010UF		
C128		CK45FB1H222K	2200PF		
C129		CK45FB1H102K	1000PF		

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Ref. No	Add-ress	Parts No.	Description	Desig-nation	Re-marks
W63-85		R92-0679-05	0 OHM	TEQ	
D1		1SS133	CHIP R	TEQ	
D31		MTZJ8.2(B)	DIODE		
D32		MA111	ZENER DIODE		
D33		1SS133	DIODE		
D61, 62		1SS133	DIODE		
D81		MTZJ5.1(B)	ZENER DIODE		
D101		MTZJ3.3(B)	ZENER DIODE		
IC1		LA1836	ANALOGUE IC		
IC2		LC72131	MOS-IC		
IC3		NJM2904M	IC(OP AMP X2)		
Q1		2SC2714(R,O)	TRANSISTOR		
Q2		2SC2714(R,O)	TRANSISTOR		
Q3		2SA1576A(R,S)	TRANSISTOR		
Q31		2SC4081(R,S)	TRANSISTOR		
Q32		2SC4081(R,S)	TRANSISTOR		
C81		2SA1576A(R,S)	TRANSISTOR	KPTE	
Q101, 102		2SD1328	TRANSISTOR	KPTE	
Q103		2SA1576A(R,S)	TRANSISTOR	Q	
A1		W02-2539-05	FM FRONT-END ASSY		
A1		W02-2565-05	FM FRONT-END ASSY		
A1		W02-2579-05	FM FRONT-END ASSY		
AUDIO UNIT (X09-4510-12)					
D131-133		B30-2493-05	LED(RED)	KP	
C1		C91-1563-05	METALIZED FILM CAPACITOR	KP	
C2		CK45FF1H103Z	0.010UF	KP	
C5		CE04EWE1E331M	330UF	Z	
C6		CK45FB1H102K	1000PF	K	
C7		CE04LW1A470M	47UF	10WV	
C8		CK45FF1H103Z	0.010UF	Z	
C9		CE04LW1V4R7M	4.7UF	35WV	
C11, 12		C91-1564-05	0.22UF	J	
C13-16		CK45E2H103P	0.010UF	P	
C17, 18		C90-3729-05	4700UF	60WV	
C19		C90-3733-05	4700UF	71WV	
C20		CE04LW2A470M	47UF	100WV	
C21		CK45FF1H103Z	0.010UF	Z	
C22		CE04LW1V100M	10UF	35WV	
C23, 24		CK45FF1H103Z	0.010UF	Z	
C25		CE04LW1V102M	100UF	35WV	
C26		CE04LW1V471M	470UF	35WV	
C27, 28		CE04LW1E470M	47UF	25WV	
C31, 32		CE04LW1C100M	10UF	16WV	
C33		CE04LW1C470M	47UF	16WV	
C34		CC45FSL1H101J	100PF	J	
C35		CK45FE1H103Z	0.010UF	Z	
C36		CE04LW1C470M	47UF	16WV	
C39		CE04LW1C101M	100UF	16WV	
C40		CE04LW1C100M	10UF	16WV	
C41		CE04LW1A221M	220UF	10WV	
C42-44		CK45FF1H103Z	0.010UF	Z	
C45		CE04LW1C220M	22UF	16WV	

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C457,458			C91-0745-05	CERAMIC		
C459,462			C91-0745-05	100PF		
C463,464			CE04LW1H2R2M	CERAMIC		TEQ
C465,466			C91-0753-05	ELECTRO		
C467,468			CE04LW1C220M	CHIP C		
C469,470			CK45FF1H103Z	ELECTRO		
C471			C91-0757-05	CERAMIC		
C501			C91-0769-05	1000PF		
C502,503			C90-3258-05	0.010UF		
C504,505			C91-0769-05	1.0UF		
C506			C90-1827-05	0.010UF		
C506			C90-1827-05	0.047F		V
C506			C90-3216-05	0.047F		YMXTEQ
C507			C90-3214-05	330UF		KP
C508			C91-0769-05	ELECTRO		
C509,510			C91-0769-05	0.010UF		
C511,512			C91-0745-05	CERAMIC		
C513-516			C90-3214-05	100UF		
C520			C91-0745-05	CERAMIC		
C521-525			C91-0745-05	100PF		
CN11			E40-4245-05	PIN ASSY		KP
CN16			E40-4918-05	FLAT CABLE CONNECTOR		5
CN17			E40-9848-05	PIN ASSY		
CN18			E40-9888-05	PIN ASSY		1234
CN19			E40-9890-05	PIN ASSY		KP
CN20			E40-4807-05	PIN ASSY		KP56
CN21			E40-4254-05	FLAT CABLE CONNECTOR		1256
CN22			E40-4956-05	FLAT CABLE CONNECTOR		
CN22			E40-9806-05	SOCKET FOR PIN ASSY		
J1			E03-0316-05	AC OUTLET		
J2			E63-0195-05	PHONO JACK		
J3			E63-0196-05	PHONO JACK		
J4			E11-0347-05	MINIATURE PHONE JACK		3456
J5			E63-0198-05	PHONO JACK		
J6			E70-0081-05	LOCK TERMINAL BOARD		1234
J7			E70-0082-05	LOCK TERMINAL BOARD		
J8			E11-0285-05	PHONE JACK (3P)		
J10,11			E63-0194-05	PHONE JACK		
WH1			E35-1721-05	WIRING HARNESS		KP
WH2			E35-1722-05	WIRING HARNESS		KP
WH11			E82-5518-04	FINISHED WIRE		
WH12			E82-4533-04	FINISHED WIRE		
WH13			E82-3512-04	FINISHED WIRE		
WH14			E82-3539-04	FINISHED WIRE		
WH15			E82-6518-04	FINISHED WIRE		
WH16			E82-5527-04	FINISHED WIRE		TEQ
WH17			E84-7522-04	FINISHED WIRE		
WH22			E89-0001-05	FINISHED WIRE		Q
WH25			E82-4568-04	FINISHED WIRE		
WH26			E82-3568-04	FINISHED WIRE		
WH27			E89-0002-05	FINISHED WIRE		
WH31			E35-1763-05	WIRING HARNESS		
WH32			E35-1764-05	WIRING HARNESS		
WH33			E35-1765-05	WIRING HARNESS		
WH34			E35-1766-05	WIRING HARNESS		

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C130			CE04LW1H2R2M	ELECTRO		
C131			CE04LW1HR33M	ELECTRO		
C132			CK45FF1H103Z	ELECTRO	56	
C133			CE04LW1A221M	CERAMIC		
C134			CE04LW1HR47M	ELECTRO		
C135			CO92FM1H823J	MYLAR		
C136			CO92FM1H332J	MYLAR		
C137			CO92FM1H823J	MYLAR		
C138			CE04LW1A221M	ELECTRO		
C140-142			CE04LW1C100M	ELECTRO		
C144-146			CE04LW1C100M	ELECTRO		
C147,148			CE04LW1H010M	ELECTRO		
C152,153			CE04LW1V4R7M	ELECTRO		
C161,162			CE04LW1H010M	ELECTRO		
C163-166			CE04LW1H3R3M	ELECTRO		
C167,168			CO92FM1H823J	MYLAR		
C169,170			CE04LW1HR22M	ELECTRO		
C171,172			CO92FM1H153J	MYLAR		
C173,174			C91-1561-05	METALIZED POLYESTER FILM C.		
C175,176			CK45FB1H222K	CERAMIC		
C177,178			CE04LW1H0R1M	ELECTRO		
C179,180			CK45FF1H472Z	CERAMIC		
C181,182			CE04LW1H3R3M	ELECTRO		
C183			CE04LW1C100M	ELECTRO		
C184			CE04LW1HR47M	ELECTRO		
C185			CK45FF1H472Z	CERAMIC		
C186			CE04LW1HR47M	ELECTRO		
C189,190			CE04LW1H010M	ELECTRO		
C191-194			CE04LW1C100M	ELECTRO		
C195			CK45FB1H102K	CERAMIC		
C196,197			CE04LW1C100M	ELECTRO		
C199			CE04LW1C100M	ELECTRO		
C200			CE04LW1C220M	ELECTRO		
C201,202			CE04LW1V4R7M	ELECTRO		
C203,204			CK45FB1H561K	CERAMIC		
C205,206			CE04LW1C220M	ELECTRO		
C207,208			C91-1562-05	MF-C		
C209,210			C90-3734-05	ALUMINIUM ELECTROLYTIC C.		
C211,212			CE04LW2A010M	ELECTRO		
C213,214			CE04LW2A470M	ELECTRO		
C215,216			CK45FF1H103Z	CERAMIC		
C217,218			CF92FV1H104J	MF-C		
C221-224			CK45FE2H103P	CERAMIC		
C251,252			CE04LW1V4R7M	ELECTRO		
C253,254			CK45FB1H561K	CERAMIC		
C255,256			CE04LW1A101M	ELECTRO		
C257,258			C91-1562-05	MF-C		
C259,260			C90-3734-05	ALUMINIUM ELECTROLYTIC C.		
C261,262			CE04LW2A010M	ELECTRO		
C263,264			CE04LW2A470M	ELECTRO		
C265,266			CK45FF1H103Z	CERAMIC		
C267,268			CF92FV1H104J	MF-C		
C451,452			C91-0745-05	100PF		
C453,454			C91-0745-05	100PF		
C455,456			C91-0745-05	100PF		

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RS19,520			RD14NB2E221J			
RS22			RD14NB2E100J			
K1			S76-0057-05	MAGNETIC RELAY	1/4W	
K2,3			S76-0056-05	MAGNETIC RELAY	J	
K4			S76-0063-05	MAGNETIC RELAY	J	
S1		*	S62-0034-05	SLIDE SWITCH		
S101-128			S70-0031-05	TACT SWITCH		
S129			S70-0031-05	TACT SWITCH	56	
S130-131			S70-0031-05	TACT SWITCH	TEQ	
S132			S70-0031-05	TACT SWITCH		
S133			T99-0559-05	ROTARY ENCODER		
S134			T99-0571-05	ROTARY ENCODER		
D1			1SS131	DIODE	KP	
D2,5			S5688B	DIODE	KP	
D2,5			1SR139-400	DIODE	KP	
D6			MTZJ16,2(B)	ZENER DIODE	KP	
D7,8			1SS131	DIODE	KP	
D9			MTZJ2,7(B)	ZENER DIODE	KP	
D10			S5688B	DIODE		
D10			1SR139-400	DIODE		
D11			D5SBA20F03	DIODE		
D12			S5688B	DIODE		
D12			1SR139-400	DIODE		
D13			MTZJ5,1(B)	ZENER DIODE		
D14			S5688B	DIODE		
D14			1SR139-400	DIODE		
D15			1SS131	DIODE		
D16			MTZJ15(B)	ZENER DIODE		
D18			MTZJ3,9(B)	ZENER DIODE		
D19,22			MTZJ15(B)	ZENER DIODE		
D19,22			S5688B	DIODE		
D19,22			1SR139-400	DIODE		
D23			MTZJ11(B)	ZENER DIODE	12	
D24			S5688B	DIODE		
D24			1SR139-400	DIODE		
D25			1SS131	DIODE		
D26			MTZJ5,1(B)	ZENER DIODE		
D27			MTZJ5,1(B)	ZENER DIODE		
D28			D5SBA20F03	DIODE		
D29			MTZJ10(B)	ZENER DIODE		
D30			1SS131	DIODE		
D31			D5SBA20F03	DIODE		
D32			1SS131	DIODE	YM	
D33,34			MTZJ11(B)	ZENER DIODE	YMXTEQ	
D35-42			1SS131	DIODE	XQ	
D101-110			1SS133	DIODE	TEQ	
D111			1SS131	DIODE	KPYMXV	
D112			1SS131	DIODE	1234	
D113			1SS131	DIODE	1256	
D114			1SS131	DIODE		
D115-121			1SS131	DIODE		
D122			1SS131	DIODE		
D123			1SS131	DIODE		

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WH35			E35-1767-05	WIRING HARNESS		
F1		*	F01-2070-15	HEAT SINK	KP	
F5,6		*	F50-0078-05	FUSE(X20)	KP	
F5,6		*	F50-0086-05	FUSE(X20)	YMXTEQ	
F7,8		*	F50-0096-05	FUSE(X20)	KP	
F7,8		*	F50-0076-05	FUSE(X20)	KP	
F7,8		*	F50-0103-05	FUSE(X20)	YMXTEQ	
CN1,2			J19-5644-03	HOLDER	KP	
CN3-6			J19-0075-05	FUSE CLIP		
CN31-34			J13-0075-05	FUSE CLIP		
J9			J11-0809-05	WIRE CLAMPER		
J12-15			J11-0809-05	WIRE CLAMPER		
L3,4		*	L39-0541-05	CHOKO COIL	EQ	
L5,6		*	L92-0054-05	FERRITE CORE	EQ	
L11,12		*	L33-0541-05	CHOKO COIL	EQ	
L13,14			L92-0054-05	FERRITE CORE	EQ	
T1			L07-2127-05	POWER TRANSFORMER	KP	
X1			L78-0290-05	RESONATOR (8MHZ)	EQ	
X10			L78-0290-05	RESONATOR (8MHZ)	TEOV	
X10			L78-0605-05	RESONATOR (8.38MHZ)	KPYMX	
CP1			R90-0488-05	MULTI-COMP		
R1			R92-1844-05	CARBON COMPOSITION RESISTOR	1/6W	
R2			RD14NB2E332J	RD	J	1/4W
R6			RS14KB3A150J	FL-PROOF RS	15	J
R12			RD14NB2E330J	RD	33	J
R19			RD14NB2E101J	RD	100	J
R22			RS14KB3D271J	FL-PROOF RS	270	J
R23			RS14KB3D271J	FL-PROOF RS	270	J
R28-30			RS14KB3D331J	FL-PROOF RS	330	J
R37			RD14NB2E100J	RD	10	J
R39,40			RD14NB2E101J	RD	100	J
R140,141			RS14KB3D682J	FL-PROOF RS	6.8K	J
R140,141		*	RS14KB3D822J	FL-PROOF RS	8.2K	J
R147,148		*	RS14KB3D471J	FL-PROOF RS	470	J
R211-214			RS14KB3D682J	FL-PROOF RS	6.8K	J
R211-214			RS14KB3D822J	FL-PROOF RS	8.2K	J
R215			RS14KB3D182J	FL-PROOF RS	1.8K	J
R216			RS14KB3A102J	FL-PROOF RS	1.0K	J
R217,218			RD14NB2E681J	RD	680	J
R219,220		*	R92-1843-05	FL-PROOF RS	0.22	J
R229,230			RS14KB3D471J	FL-PROOF RS	4.7	J
R235-238		*	R92-1852-05	FL-PROOF RS	0.33	J
R239			RS14KB3D182J	FL-PROOF RS	1.8K	J
R241			RS14KB3A102J	FL-PROOF RS	1.0K	J
R261-264			RS14KB3D682J	FL-PROOF RS	6.8K	J
R261-264			RS14KB3D822J	FL-PROOF RS	8.2K	J
R265,266			RS14KB3D272J	FL-PROOF RS	2.7K	J
R267,268			RD14NB2E681J	RD	680	J
R269,270		*	R92-1843-05	FL-PROOF RS	0.22	J
R279,280			RS14KB3D471J	FL-PROOF RS	4.7	J
R285-288		*	R92-1852-05	FL-PROOF RS	0.33	J

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D124			MTZJ5.6(B)	ZENER DIODE		
D127			1SS133	DIODE		
D201-203			1SS131	DIODE		
D251-253			1SS131	DIODE		
ED1			FIP10DM6R	INDICATOR TUBE		
IC1			NJM2279D	IC(VIDEO IC)	3456	
IC2			LA2786	ANALOGUE IC		
IC3			LV1016	DI-BIPOLAR IC		
IC4			TC9215AP	ANALOGUE IC		
IC6			STK428-530K	HYBRID IC		
IC7			STK426-530K	HYBRID IC	13456	
IC8			NJM4580D-D	IC(OP AMP X2)		
IC9			M62430FP	ANALOGUE IC		
IC18			NJU7313AL	ANALOGUE IC		
IC19			NJM4565D-D	IC(OP AMP X2)		
IC21			CXP82532-151Q	M-COM IC	KPYMX	
IC21			CXP82540-152Q	M-COM IC	TEQ	
IC22			S-808D-Z	ANALOGUE IC	TEQ	
IC23			X24C04P	MEMORY IC	KP	
Q1			Z5C3940A(R,S)	TRANSISTOR		
Q2			2SC2003(L,K)	TRANSISTOR	KP	
Q5, 6			2SA933AS(Q,R)	TRANSISTOR		
Q11			DTC113ZSA	DIGITAL TRANSISTOR		
Q12			2SA1534A(R,S)	TRANSISTOR		
Q13			2SD2525	TRANSISTOR		
Q14			2SB1640	TRANSISTOR		
Q15			2SC1740S(Q,R)	TRANSISTOR		
Q16			2SA992(F,E)	TRANSISTOR		
Q17			2SC1740S(Q,R)	TRANSISTOR		
Q18			2SC2878(B)	TRANSISTOR	56	
Q19			2SC2590(Q,R)	TRANSISTOR		
Q20			DTC113ZSA	DIGITAL TRANSISTOR		
Q21-22			2SC2878(B)	TRANSISTOR		
Q23, 24			2SC2878(B)	TRANSISTOR		
Q25			2SA992(F,E)	TRANSISTOR		
Q26, 27			2SC1845(F,E)	TRANSISTOR		
Q28			DTC113ZSA	DIGITAL TRANSISTOR		
Q29			2SC2878(B)	TRANSISTOR		
Q30			2SC1740S(Q,R)	TRANSISTOR		
Q31, 32			2SC2878(B)	TRANSISTOR		
Q101,102			2SC1740S(Q,R)	TRANSISTOR		
Q103-105			DTC143TSA	DIGITAL TRANSISTOR		
Q106			2SA933AS(Q,R)	TRANSISTOR	1234	
Q107			2SC2878(B)	TRANSISTOR	YNAV	
Q201, 202			2SC2878(B)	TRANSISTOR	23456	
Q203, 204			2SC2831(R,S)	TRANSISTOR		
Q251,252			2SC2878(B)	TRANSISTOR	23456	
A1			W02-2563-05	OPTIC RECEIVING MODULE		

CONTROL UNIT (X11-3710-10 : KR-797/897 ONLY)

C4			CE04HW1E4R7M	CERAMIC	220PF	K	2
C5, 6			C91-0749-05	CERAMIC	220PF	K	2
C7, 10			CE04LW1V4R7M	ELECTRO	4.7UF	35WV	1
C9, 10			CE04LW1V470M	ELECTRO	47UF	35WV	1
C13, 14			C91-0749-05	CERAMIC	220PF	K	2

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C15, 16			CE04LW1V4R7M	ELECTRO	1	
C17, 18			CE04LW1V4R7M	ELECTRO	2	35WV
C19, 20			CE04LW1H100M	ELECTRO	2	35WV
C23, 24			CQ92FM1H472J	MYLAR	1	50WV
C25, 26			CQ92FM1H223J	MYLAR	1	J
C25, 26				0.022UF	1	J
CN1			E40-4293-05	FLAT CABLE CONNECTOR	2	
CN2			E40-4293-05	FLAT CABLE CONNECTOR	2	
J1			E63-0195-05	PHONO JACK	1	
J2			E63-0195-05	PHONO JACK	2	
J2			E63-1004-05	PHONO JACK	1	
J2			E63-1004-05	PHONO JACK	2	
WH1			E83-2515-04	FINISHED WIRE	2	
D1, 2			1SS133	DIODE	2	
IC1			NJM4565L	ANALOGUE IC	1	
IC2			NJM4565L	ANALOGUE IC	2	
Q1-4			2SC2878(B)	TRANSISTOR	1	
Q5, 6			2SC2878(B)	TRANSISTOR	2	
Q8			2SA933AS(Q,R)	TRANSISTOR	2	

SUB UNIT (X13-7430-10)

C1			CK45FF1H103Z	CERAMIC	0.010UF	Z	Q
C1			CK45FF1H103Z	CERAMIC	0.010UF	Z	YMWXTE
C2			C91-1488-05	MF	6800PF	250VAC	YXTEQ
C2				METALIZED FILM CAPACITOR			MV
C3			CE04EW1E331M	ELECTRO	330UF	25WV	Q
C3			CE04EW1E331M	ELECTRO	330UF	25WV	YMWXTE
C4			CE04LW1A470M	ELECTRO	47UF	10WV	Q
C4			CE04LW1A470M	ELECTRO	47UF	10WV	YMWXTE
C5			CE04LW1V4R7M	ELECTRO	4.7UF	35WV	Q
C5			CE04LW1V4R7M	ELECTRO	4.7UF	35WV	YMWXTE
C6			C91-1488-05	MF	6800PF	250VAC	YXTEQ
C6, 7				METALIZED FILM CAPACITOR			MV
C7			C91-1488-05	MF	6800PF	250VAC	XTEQ
C8, 9			CK45FF1H103Z	CERAMIC	0.010UF	Z	Q
C8, 9			CK45FF1H103Z	CERAMIC	0.010UF	Z	YMWXTE
C10			CK45FB1H102K	CERAMIC	1000PF	K	Q
C10			CK45FB1H102K	CERAMIC	1000PF	K	YMWXTE
C11, 12			CE04LW1V4R7M	ELECTRO	4.7UF	35WV	56
C13			CE04LW1C220M	ELECTRO	22UF	16WV	56
C14			CK45FF1H103Z	CERAMIC	0.010UF	Z	56
C15			CK45FF1H103Z	CERAMIC	0.010UF	Z	Q
C15			CK45FF1H103Z	CERAMIC	0.010UF	Z	YMWXTE
C16, 17			CK45ES1H101J	CERAMIC	100PF	J	56
C18			CE04LW1H010M	ELECTRO	1.0UF	50WV	56
C19			CE04LW1C100M	ELECTRO	10UF	16WV	56
C20, 21			CK45FF1H103Z	CERAMIC	0.010UF	Z	56
C22, 23			CE04LW1C220M	ELECTRO	22UF	16WV	56
C24			CC45FSL1H101J	CERAMIC	100PF	J	56
C25, 26			CE04LW1C100M	ELECTRO	10UF	16WV	56
C29			CE04LW1E100M	ELECTRO	10UF	25WV	56
C50, 51			CK45FB1H471K	CERAMIC	470PF	K	TEQ
C61, 62			CK45ES1H101J	CERAMIC	100PF	J	56
C63, 64			C90-3242-05	ELECTRO	4.7UF	35WV	56
C65, 66			CK45FCH1H220J	CERAMIC	22PF	J	56
C67, 68			CK45FF1H103Z	CERAMIC	0.010UF	Z	56

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△ K1			S76-0044-05	MAGNETIC RELAY			Q	
△ K1			S76-0044-05	MAGNETIC RELAY			YMWXTE	
△ K2			S76-0056-05	MAGNETIC RELAY			56	
△ S1			S68-0056-05	PUSH SWITCH			YMWXTEQ	
△ S2			S81-3010-05	SLIDE SWITCH			YM	
D1			S5688B	DIODE			Q	
D1-4			S5688B	DIODE			YMWXTE	
D1-4			1SR139-400	DIODE			Q	
D1-4			1SR139-400	DIODE			YMWXTE	
D5			MTZJ6.2(B)	ZENER DIODE			Q	
D5			MTZJ6.2(B)	ZENER DIODE			YMWXTE	
D6			1SS131	DIODE			Q	
D6-7			1SS131	DIODE			YMWXTE	
D8			MTZJ2.7(B)	ZENER DIODE			Q	
D8			MTZJ2.7(B)	ZENER DIODE			YMWXTE	
D10			1SS133	DIODE			Q	
D10			1SS133	DIODE			YMWXTE	
D13			MTZJ4.7(B)	ZENER DIODE			56	
D14			1SS133	DIODE			56	
D21			1SS133	DIODE			56	
D31-34			1SS133	DIODE			56	
IC1			TC9215AP	ANALOGUE IC			56	
IC2			M6242BP	ANALOGUE IC			56	
IC3-4			NJM4555L-D	ANALOGUE IC			56	
IC5			SAA6579	ANALOGUE IC			TEQ	
Q1			2SC3940A(R,S)	TRANSISTOR			Q	
Q1			2SC3940A(R,S)	TRANSISTOR			YMWXTE	
Q2			2SC2003(L,K)	TRANSISTOR			Q	
Q2			2SC2003(L,K)	TRANSISTOR			YMWXTE	
Q3			2SC2878(B)	TRANSISTOR			56	
Q4			DTC124ESA	DIGITAL TRANSISTOR			56	
Q5			2SA939AS(Q,R)	TRANSISTOR			56	

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C69			CC45FS1H101J	100PF	J		56	
C70-71			CK45FF1H103Z	0.010UF	J Z		56	
C101			CK45FF1H103Z	0.010UF	Z		TEQ	
C102			CE04LW1H2R2M	2.2UF	50WV		TEQ	
C103			CC45FSL1H331J	330PF	J		TEQ	
C104			CK45FB1H561K	560PF	K		TEQ	
C105			CC45FCH1H470J	47PF	J		TEQ	
C106			CK45FCH1H220J	22PF	J		TEQ	
C107-108			CK45FF1H103Z	0.010UF	Z		TEQ	
C109			CE04LW1V470M	47UF	35WV		TEQ	
C110			CK45FF1H103Z	0.010UF	Z		TEQ	
CN1			E40-4245-05	PIN ASSY			Q	
CN1			E40-4245-05	PIN ASSY			YMWXTE	
CN4			E40-4294-05	FLAT CABLE CONNECTOR			Q	
CN4			E40-4294-05	FLAT CABLE CONNECTOR			YMWXTE	
CN5			E40-4296-05	FLAT CABLE CONNECTOR			56	
CN10			E40-4295-05	FLAT CABLE CONNECTOR			TEQ	
CN11			E40-4284-05	FLAT CABLE CONNECTOR			56	
J1			E03-0109-05	AC OUTLET			T	
J1			E03-0109-05	AC OUTLET			MEQ	
J1			E03-0316-05	AC OUTLET			Y	
J1			E03-0325-05	AC OUTLET			X	
J1			E03-0337-05	AC OUTLET			V	
J2			E63-0198-05	PHONO JACK			56	
J3			E70-0083-05	PHONE JACK			56	
J4			E63-0197-05	PHONE JACK			56	
WH1			E35-1700-05	WIRING HARNESS			Q	
WH1			E35-1700-05	WIRING HARNESS			YMWXTE	
WH2			E35-1701-05	WIRING HARNESS			Q	
WH2			E35-1701-05	WIRING HARNESS			YMWXTE	
WH3			E35-1702-05	WIRING HARNESS			YM	
WH4			E35-1703-05	WIRING HARNESS			YM	
WH5			E35-1704-05	WIRING HARNESS			YM	
WH6			E35-1705-05	WIRING HARNESS			YM	
WH7			E35-1706-05	WIRING HARNESS			YM	
WH8			E35-1707-05	WIRING HARNESS			YM	
WH9			E35-1708-05	WIRING HARNESS			YM	
F1			F50-0101-05	FUSE(5X20)			TEQ	
F1			F50-0102-05	FUSE(5X20)			YMX	
F1			F50-0112-05	FUSE(5X20)			V	
F2			F50-0102-05	FUSE(5X20)			YM	
F3			F50-0100-05	FUSE(5X20)			EQ	
CN2-3			J13-0075-05	FUSE CLIP			Q	
CN2-3			J13-0075-05	FUSE CLIP			YMWXTE	
CN6-7			J13-0075-05	FUSE CLIP			YM	
CN8-9			J13-0075-05	FUSE CLIP			EQ	
L11-13			L92-0044-05	FERRITE CORE			56	
L101			L40-1091-17	SMALL FIXED INDUCTOR(1UH)			TEQ	
L102			L40-1001-17	SMALL FIXED INDUCTOR(10UH,K)			TEQ	
T1			L07-2128-05	POWER TRANSFORMER			YM	
T1			L07-2129-05	POWER TRANSFORMER			VXTEQ	
X1			L77-2206-05	CRYSTAL RESONATOR(4.332MHZ)			TEQ	

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SPECIFICATIONS

KR-797 (for U.S.A. and Canada)

⚠ **Caution** : Read this page carefully to ensure safe operation.

Audio section

Rated power output at the STEREO operation

110 watts per channel minimum RMS, both channels driven at 8 Ω, from 40 Hz to 20,000 Hz with no more than 0.8 % total harmonic distortion. (FTC)

Power output at the SURROUND operation

Front

110 watts per channel minimum RMS, both channels driven, at 8 Ω, 1 kHz with no more than 0.8 % total harmonic distortion.

Center

110 watts minimum RMS at 8 Ω, 1 kHz with no more than 0.8 % total harmonic distortion.

Surround

110 watts per channel minimum RMS, at 8 Ω, 1 kHz with no more than 0.8 % total harmonic distortion.

Total harmonic distortion 0.3 % (1 kHz, 55 W, 8 Ω)

Signal to noise ratio (IHF'66)

PHONO (MM) 75 dB
 LINE (CD) 93 dB

Input sensitivity / impedance

PHONO (MM) 3.0 mV / 47 kΩ
 CD 220 mV / 47 kΩ

Tone controls

BASS ± 8 dB (at 100 Hz)
 MIDDLE ± 8 dB (at 900 Hz)
 TREBLE ± 8 dB (at 10 kHz)
 N.B. circuit + 5 dB (80 Hz)

Output level / impedance

Sub woofer preout 2.0 V / 600 Ω

FM Tuner section

Tuning frequency range 87.5 MHz ~ 108 MHz

Usable sensitivity

MONO 1.3 μV (at 75 Ω) / 13.2 dBf
 (75 kHz dev., SINAD 30 dB)

50 dB quieting sensitivity

STEREO 31.6 μV (at 75 Ω) / 41.2 dBf

Total harmonic distortion (1 kHz)

MONO 0.5 % (65 dBf input)
 STEREO 0.6 % (65 dBf input)

Signal to noise ratio (1 kHz 75 kHz dev.)

MONO 75 dB (65 dBf input)
 STEREO 68 dB (65 dBf input)

Stereo separation (1 kHz) 40 dB

Selectivity (IHF ±400 kHz) 66 dB

Frequency response 30 Hz ~15 kHz, + 0.5 dB, - 3.0 dB

AM Tuner section

Tuning frequency range 530 kHz ~ 1,700 kHz

Usable sensitivity (30 % mod., S/N 20 dB)

..... 15 μV / (500 μV / m)

Signal to noise ratio (30 % mod., 1 mV input) 48 dB

General

Power consumption 2.8 A

⚠ AC outlet

SWITCHED 1: (300 W, 2.5 A max.)

Dimensions W:440 mm (17-5/16")

H:127 mm (5")

D:389 mm (15-5/16")

Weight (net) 9.0 kg (19.9 lb)

SPECIFICATIONS

KR-897 (for U.S.A. and Canada)

⚠ **Caution** : Read this page carefully to ensure safe operation.

Audio section

Rated power output at the STEREO operation

120 watts per channel minimum RMS, both channels driven at 8 Ω, from 40 Hz to 20,000 Hz with no more than 0.8 % total harmonic distortion. (FTC)

Power output at the SURROUND operation

Front

120 watts per channel minimum RMS, both channels driven, at 8 Ω, 1 kHz with no more than 0.8 % total harmonic distortion.

Total harmonic distortion

..... 0.3 % (1 kHz, 55 W, 8 Ω)

Signal to noise ratio (IHF'66)

PHONO (MM) 75 dB

LINE (CD) 93 dB

Input sensitivity / impedance

PHONO (MM) 3.0 mV / 47 kΩ

CD 220 mV / 47 kΩ

Tone controls

BASS ± 8 dB (at 100 Hz)

MIDDLE ± 8 dB (at 900 Hz)

TREBLE ± 8 dB (at 10 kHz)

N.B. circuit + 5 dB (80 Hz)

Output level / impedance

Sub woofer preout 2.0 V / 600 Ω

FM Tuner section

Tuning frequency range 87.5 MHz ~ 108 MHz

Usable sensitivity

MONO 1.3 μV (at 75 Ω) / 13.2 dBf
(75 kHz dev., SINAD 30 dB)

50 dB quieting sensitivity

STEREO 31.6 μV (at 75 Ω) / 41.2 dBf

Total harmonic distortion (1 kHz)

MONO 0.5 % (65 dBf input)

STEREO 0.6 % (65 dBf input)

Signal to noise ratio (1 kHz 75 kHz dev.)

MONO 75 dB (65 dBf input)

STEREO 68 dB (65 dBf input)

Stereo separation (1 kHz) 40 dB

Selectivity (IHF ±400 kHz) 66 dB

Frequency response 30 Hz ~ 15 kHz, + 0.5 dB, - 3.0 dB

AM Tuner section

Tuning frequency range 530 kHz ~ 1,700 kHz

Usable sensitivity (30 % mod., S/N 20 dB)

..... 15 μV / (500 μV / m)

Signal to noise ratio (30 % mod., 1 mV input) 48 dB

General

Power consumption 160 W

⚠ AC outlet

SWITCHED 1: (300 W, 2.5 A max.)

Dimensions W:440 mm (17-5/16")

H:127 mm (5")

D:389 mm (15-5/16")

Weight (net) 9.0 kg (19.9 lb)

SPECIFICATIONS

KR-V6090

⚠ **Caution : Read this page carefully to ensure safe operation.**

Audio section

Rated power output at the STEREO operation:

100 watts per channel minimum RMS, both channels driven at 8 Ω, from 40 Hz to 20,000 Hz with no more than 0.7 % total harmonic distortion. (FTC)

1 kHz, 10 % THD at 8 Ω 120 W + 120 W
(DIN/IEC) from 63 Hz to 12,500 Hz,

0.7 % T.H.D., at 8 Ω 100 W + 100 W

Power output at the Surround operation

Front (1 kHz, 0.7 % T.H.D. at 8 Ω) 100 W + 100 W

Center (1 kHz, 0.7 % T.H.D. at 8 Ω) 100 W

Surround (1 kHz, 0.7 % T.H.D. at 8 Ω) 100 W

Front (1 kHz, 10 % T.H.D. at 8 Ω) 120 W + 120 W

Center (1 kHz, 10 % T.H.D. at 8 Ω) 120 W

Surround (1 kHz, 10 % T.H.D. at 8 Ω) 120 W

Total harmonic distortion (1 kHz, 8 Ω) 0.3 % (at 50 W)

Signal to noise ratio (IHF'66)

PHONO (MM) 75 dB

LINE (CD) 93 dB

Input sensitivity / impedance

PHONO (MM) 3.0 mV / 47 kΩ

CD 220 mV / 47 kΩ

Tone controls

BASS ± 8 dB (at 100 Hz)

MIDDLE ± 8 dB (at 900 Hz)

TREBLE ± 8 dB (at 10 kHz)

N.B. circuit + 5 dB (80 Hz)

Output level / impedance

Sub woofer preout 2.0 V / 600 Ω

Video section

VIDEO inputs / outputs (Composite) 1 V_{p-p} / 75 Ω

FM Tuner section

Tuning frequency range 87.5 MHz ~ 108 MHz

Usable sensitivity

MONO 2.0 μV (at 75 Ω) / 17.2 dBf
(75 kHz dev., SINAD, 30 dB)

50 dB quieting sensitivity

STEREO 35 μV (at 75 Ω) / 42.2 dBf

Total harmonic distortion (1 kHz)

MONO 0.7 % (65 dBf input)

STEREO 0.8 % (65 dBf input)

Signal to noise ratio (1 kHz 75 kHz dev.)

MONO 73 dB (65 dBf input)

STEREO 66 dB (65 dBf input)

Selectivity (IHF ±400 kHz) 50 dB

Stereo separation (1 kHz) 40 dB

Frequency response 30 Hz ~ 15 kHz, + 0.5 dB, - 3.0 dB

AM Tuner section

Tuning frequency range

9 kHz 531 kHz ~ 1,602 kHz

10 kHz 530 kHz ~ 1,610 kHz

Usable sensitivity (30 % mod., S/N 20 dB)

..... 13 μV / (500 μV / m)

Signal to noise ratio (30 % mod., 1 mV input) 50 dB

General

Power consumption 250 W

⚠ AC outlet

SWITCHED 1: (50 W max.)

Dimensions W:440 mm

H:127 mm

D:389 mm

Weight (net) 9.0 kg

SPECIFICATIONS

KR-V7090

⚠ Caution : Read this page carefully to ensure safe operation.

Audio section

Rated power output at the STEREO operation

110 watts per channel minimum RMS, both channels driven at 8 Ω, from 40 Hz to 20,000 Hz with no more than 0.7 % total harmonic distortion. (FTC)

1 kHz, 10 % THD at 8 Ω 130 W + 130 W
(DIN/IEC) from 63 Hz to 12,500 Hz,

0.7 % T.H.D., at 8 Ω 110 W + 110 W

Power output at the Surround operation

Front (1 kHz, 0.7 % T.H.D. at 8 Ω) 110 W + 110 W

Center (1 kHz, 0.7 % T.H.D. at 8 Ω) 110 W

Surround (1 kHz, 0.7 % T.H.D. at 8 Ω) 110 W

Front (1 kHz, 10 % T.H.D. at 8 Ω) 130 W + 130 W

Center (1 kHz, 10 % T.H.D. at 8 Ω) 130 W

Surround (1 kHz, 10 % T.H.D. at 8 Ω) 130 W

Total harmonic distortion (1 kHz, 8 Ω) 0.3 % at 55 W

Signal to noise ratio (IHF'66)

PHONO (MM) 75 dB

CD 93 dB

Input sensitivity / impedance

PHONO (MM) 3.0 mV / 47 kΩ

CD 220 mV / 47 kΩ

Output level / impedance

Sub woofer preout 1.0 V / 2.2 kΩ

Tone controls

BASS ± 8 dB (at 100 Hz)

MIDDLE ± 8 dB (at 900 Hz)

TREBLE ± 8 dB (at 10 kHz)

N.B. circuit + 5 dB (80 Hz)

Video section

VIDEO inputs / outputs (Composite) 1 V_{p-p} / 75 Ω

FM Tuner section

Tuning frequency range 87.5 MHz ~ 108 MHz

Usable sensitivity

MONO 2.0 μV (at 75 Ω) / 17.2 dBf
(75 kHz dev., SINAD 30 dB)

50 dB quieting sensitivity

STEREO 35 μV (at 75 Ω) / 42.2 dBf

Total harmonic distortion (1 kHz)

MONO 0.7 % (65 dBf input)

STEREO 0.8 % (65 dBf input)

Signal to noise ratio (1 kHz 75 kHz dev.)

MONO 73 dB (65 dBf input)

STEREO 66 dB (65 dBf input)

Stereo separation (1 kHz) 40 dB

Selectivity (IHF ±400 kHz) 50 dB

Frequency response 30 Hz ~ 15 kHz, + 0.5 dB, - 3.0 dB

AM Tuner section

Tuning frequency range

9 kHz 531 kHz ~ 1,602 kHz

10 kHz 530 kHz ~ 1,610 kHz

Usable sensitivity (30 % mod., S/N 20 dB)

..... 13 μV / (500 μV / m)

Signal to noise ratio (30 % mod., 1 mV input) 50 dB

General

Power consumption 250 W

△ AC outlet

SWITCHED 1: (50 W max.)

Dimensions W: 440 mm

H: 127 mm

D: 389 mm

Weight (net) 9.0 kg

SPECIFICATIONS

106VR (for U.S.A. and Canada)

⚠ **Caution:** Read this page carefully to ensure safe operation.

Audio section

Rated power output at the STEREO operation

110 watts per channel minimum RMS, both channels driven at 8 Ω, from 40 Hz to 20,000 Hz with no more than 0.8 % total harmonic distortion. (FTC)

Power output at the SURROUND operation

Front

110 watts per channel minimum RMS, both channels driven, at 8 Ω, 1 kHz with no more than 0.8 % total harmonic distortion.

Center

110 watts minimum RMS at 8 Ω, 1 kHz with no more than 0.8 % total harmonic distortion.

Surround

110 watts per channel minimum RMS, at 8 Ω, 1 kHz with no more than 0.8 % total harmonic distortion.

Total harmonic distortion 0.3 % (1 kHz, 55 W, 8 Ω)

Signal to noise ratio (IHF'66)

PHONO (MM) 75 dB
 LINE (CD) 93 dB

Input sensitivity / impedance

PHONO (MM) 3.0 mV / 47 kΩ
 CD 220 mV / 47 kΩ

Tone controls

BASS ± 8 dB (at 100 Hz)
 MIDDLE ± 8 dB (at 900 Hz)
 TREBLE ± 8 dB (at 10 kHz)
 N.B. circuit + 5 dB (80 Hz)

Output level / impedance

Sub woofer preout 2.0 V / 600 Ω

Video section

VIDEO inputs / outputs (Composite) 1 Vp-p / 75 Ω

FM Tuner section

Tuning frequency range 87.5 MHz ~ 108 MHz

Usable sensitivity

MONO 1.3 μV (at 75 Ω) / 13.2 dBf
 (75 kHz dev., SINAD 30 dB)

50 dB quieting sensitivity

STEREO 31.6 μV (at 75 Ω) / 41.2 dBf

Total harmonic distortion (1 kHz)

MONO 0.5 % (65 dBf input)
 STEREO 0.6 % (65 dBf input)

Signal to noise ratio (1 kHz 75 kHz dev.)

MONO 75 dB (65 dBf input)
 STEREO 68 dB (65 dBf input)

Stereo separation (1 kHz) 40 dB

Selectivity (IHF ±400 kHz) 66 dB

Frequency response 30 Hz ~ 15 kHz, + 0.5 dB, - 3.0 dB

AM Tuner section

Tuning frequency range 530 kHz ~ 1,700 kHz

Usable sensitivity (30 % mod., S/N 20 dB)

..... 15 μV / (500 μV / m)

Signal to noise ratio (30 % mod., 1 mV input) 48 dB

General

Power consumption 2.8 A

⚠ AC outlet

SWITCHED 1: (50 W, 0.42 A max.)

Dimensions W:440 mm (17-5/16")

H:127 mm (5")

D:389 mm (15-5/16")

Weight (net) 9.0 kg (19.9 lb)

SPECIFICATIONS

107VR (for U.S.A. and Canada)

⚠ **Caution** : Read this page carefully to ensure safe operation.

Audio section

Rated power output at the STEREO operation

120 watts per channel minimum RMS, both channels driven at 8 Ω, from 40 Hz to 20,000 Hz with no more than 0.8 % total harmonic distortion. (FTC)

Power output at the SURROUND operation

Front

120 watts per channel minimum RMS, both channels driven, at 8 Ω, 1 kHz with no more than 0.8 % total harmonic distortion.

Center

120 watts minimum RMS at 8 Ω, 1 kHz with no more than 0.8% total harmonic distortion.

Surround

120 watts per channel minimum RMS, at 8 Ω, 1 kHz with no more than 0.8 % total harmonic distortion.

Total harmonic distortion 0.3 % (1 kHz, 60 W, 8 Ω)

Signal to noise ratio (IHF'66)

PHONO (MM) 75 dB

LINE (CD) 93 dB

Input sensitivity / impedance

PHONO (MM) 3.0 mV / 47 kΩ

CD 220 mV / 47 kΩ

Tone controls

BASS ± 8 dB (at 100 Hz)

MIDDLE ± 8 dB (at 900 Hz)

TREBLE ± 8 dB (at 10 kHz)

N.B. circuit + 5 dB (80 Hz)

Output level / impedance

Sub woofer preout 1.0 V / 2.2 kΩ

Video section

VIDEO inputs / outputs (Composite) 1 Vp-p / 75 Ω

Note :

We follow a policy of continuous advancements in development. For this reason specifications may be changed without notice.

FM Tuner section

Tuning frequency range 87.5 MHz ~ 108 MHz

Usable sensitivity

MONO 1.3 μV (at 75 Ω) / 13.2 dBf
(75 kHz dev., SINAD 30 dB)

50 dB quieting sensitivity

STEREO 31.6 μV (at 75 Ω) / 41.2dBf

Total harmonic distortion (1 kHz)

MONO 0.5 % (65 dBf input)

STEREO 0.6 % (65 dBf input)

Signal to noise ratio (1 kHz 75 kHz dev.)

MONO 75 dB (65 dBf input)

STEREO 68 dB (65 dBf input)

Stereo separation (1 kHz) 40 dB

Selectivity (IHF ±400 kHz) 66 dB

Frequency response 30 Hz ~15 kHz, + 0.5 dB, - 3.0 dB

AM Tuner section

Tuning frequency range 530 kHz ~ 1,700 kHz

Usable sensitivity (30 % mod., S/N 20 dB)

..... 15 μV / (500 μV / m)

Signal to noise ratio (30 % mod., 1 mV input) 48 dB

General

Power consumption 2.8 A

⚠ AC outlet

SWITCHED 1: (50 W, 0.42 A max.)

Dimensions W:440 mm (17-5/16")

H:127 mm (5")

D:389 mm (15-5/16")

Weight (net) 9.0 kg (19.9 lb)

Note:

Component and circuitry are subject to modification to insure best operation under differing local conditions. This manual is based on Europe (E) standard, and provides information on regional circuit modification through use of alternate schematic diagrams, and information on regional component variations through use of parts list.

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