

AUDIO VIDEO SURROUND RECEIVER

KRF-V5020/V5020E/V5020W/V5020(S)

V6020/V6020E/V6020W/ V7020/V7020E/V7020W/ VR-305/306/355

SERVICE MANUAL

KENWOOD

© 1998-12/B51-5497-00 (K/K) 3444

On the Block diagram, backup data, Initial state and system microprocessor, refer to the KRF-V5010 service manual (B51-5425-00)

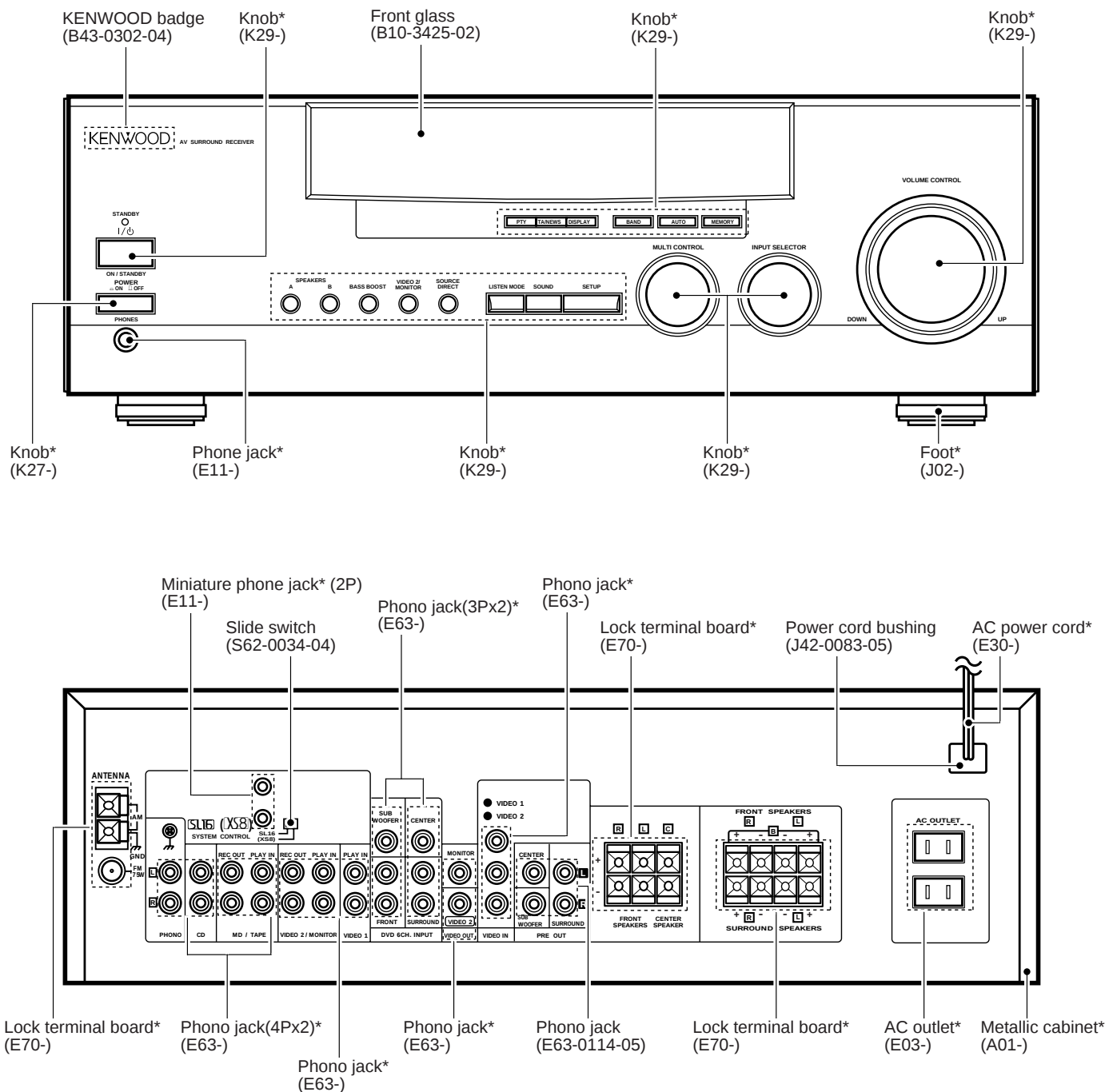


Illustration is KRF-V5020.

* Refer to parts list on page 23~.



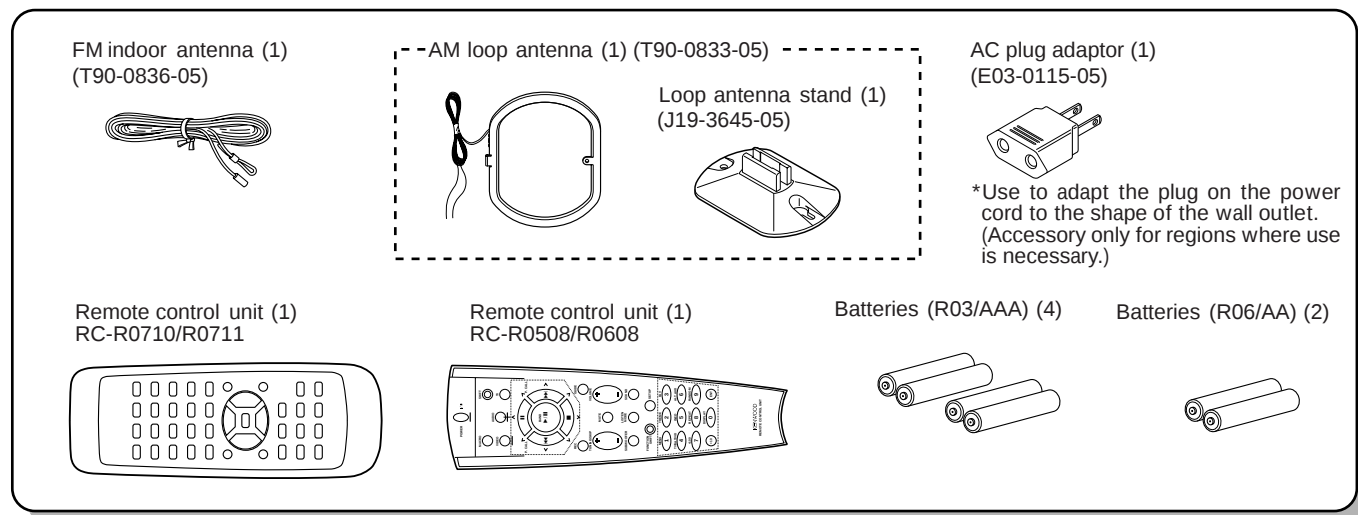
KRF-V5020/V6020/V7020/VR-305/306/355

CONTENTS / ACCESSORIES

Contents

CONTENTS / ACCESSORIES	2	SCHEMATIC DIAGRAM	9
DISASSEMBLY FOR REPAIR	3	EXPLODED VIEW	22
ADJUSTMENT	4	PARTS LIST	23
WIRING DIAGRAM	5	SPECIFICATIONS	35
PC BOARD	6		

Accessories



Model name vs remote controller

Model	Destinations	Remote Controller		
		Parts number	Model name	Battery Cover
KRF-V5020	I5, M5, X5, Y5	A70-1264-05	RC-R0711	A09-1123-08
KRF-V5020	E1	A70-1265-05	RC-R0710	A09-1123-08
KRF-V5020	T5	A70-1265-05	RC-R0710	A09-1123-08
KRF-V5020(S)	E2	A70-1265-05	RC-R0710	A09-1123-08
KRF-V5020E	E3	A70-1265-05	RC-R0710	A09-1123-08
KRF-V5020W	Q5	A70-1265-05	RC-R0710	A09-1123-08
KRF-V6020	C6, I6, M6, X6	A70-1264-05	RC-R0711	A09-1123-08
KRF-V6020	E4	A70-1275-05	RC-R0508	A09-0366-08
KRF-V6020E	E5	A70-1265-05	RC-R0710	A09-1123-08
KRF-V6020W	Q6	A70-1265-05	RC-R0710	A09-1123-08
KRF-V7020	E7, T7	A70-1275-05	RC-R0508	A09-0366-08
KRF-V7020E	E8	A70-1275-05	RC-R0508	A09-0366-08
KRF-V7020W	Q7	A70-1275-05	RC-R0508	A09-0366-08
VR-305	K2, P2	A70-1264-05	RC-R0711	A09-1123-08
VR-306	K1, P1	A70-1264-05	RC-R0711	A09-1123-08
VR-355	K3, P3	A70-1271-05	RC-R0608	A09-0366-08

Resetting the Microcomputer

If the microcomputer may malfunction (unit cannot be operated, or shows an erroneous display) if the power cord is unplugged while the power is ON, or due to some other external factor. If this happens, execute the following procedure to reset the microcomputer and return the unit to its normal operating condition.

For U.S.A. and Canada

Unplug the power cord from the wall outlet, then plug it back in while holding down the POWER key.

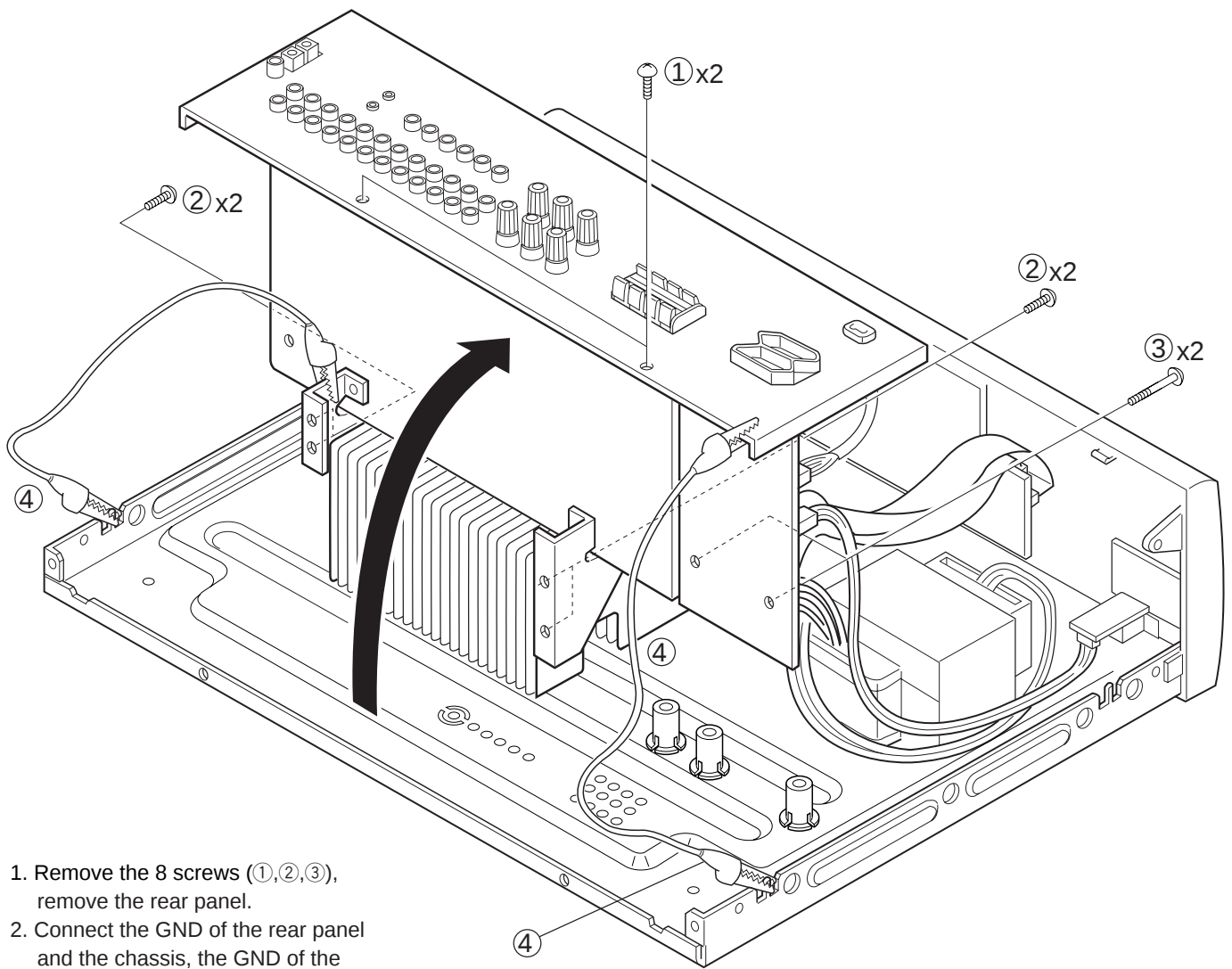
For other countries

With the power cord plugged in, turn the POWER key OFF. Then, while holding down the ON/STANDBY key, press POWER.

- Please note that resetting the microcomputer will clear the contents of the memory and returns the unit to the state it was in when it left the factory.

KRF-V5020/V6020/V7020/VR-305/306/355

DISASSEMBLY FOR REPAIR

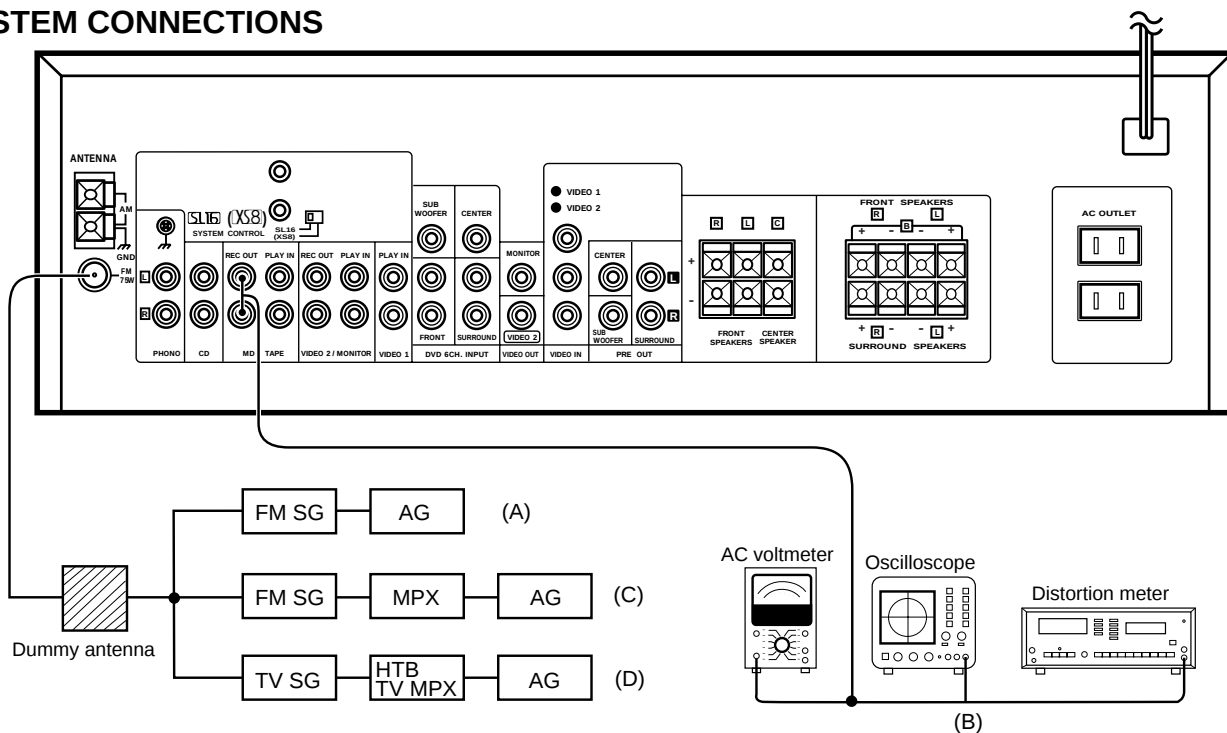


1. Remove the 8 screws (①,②,③), remove the rear panel.
2. Connect the GND of the rear panel and the chassis, the GND of the mounting hardware and the chassis with 2 alligators clip (④)

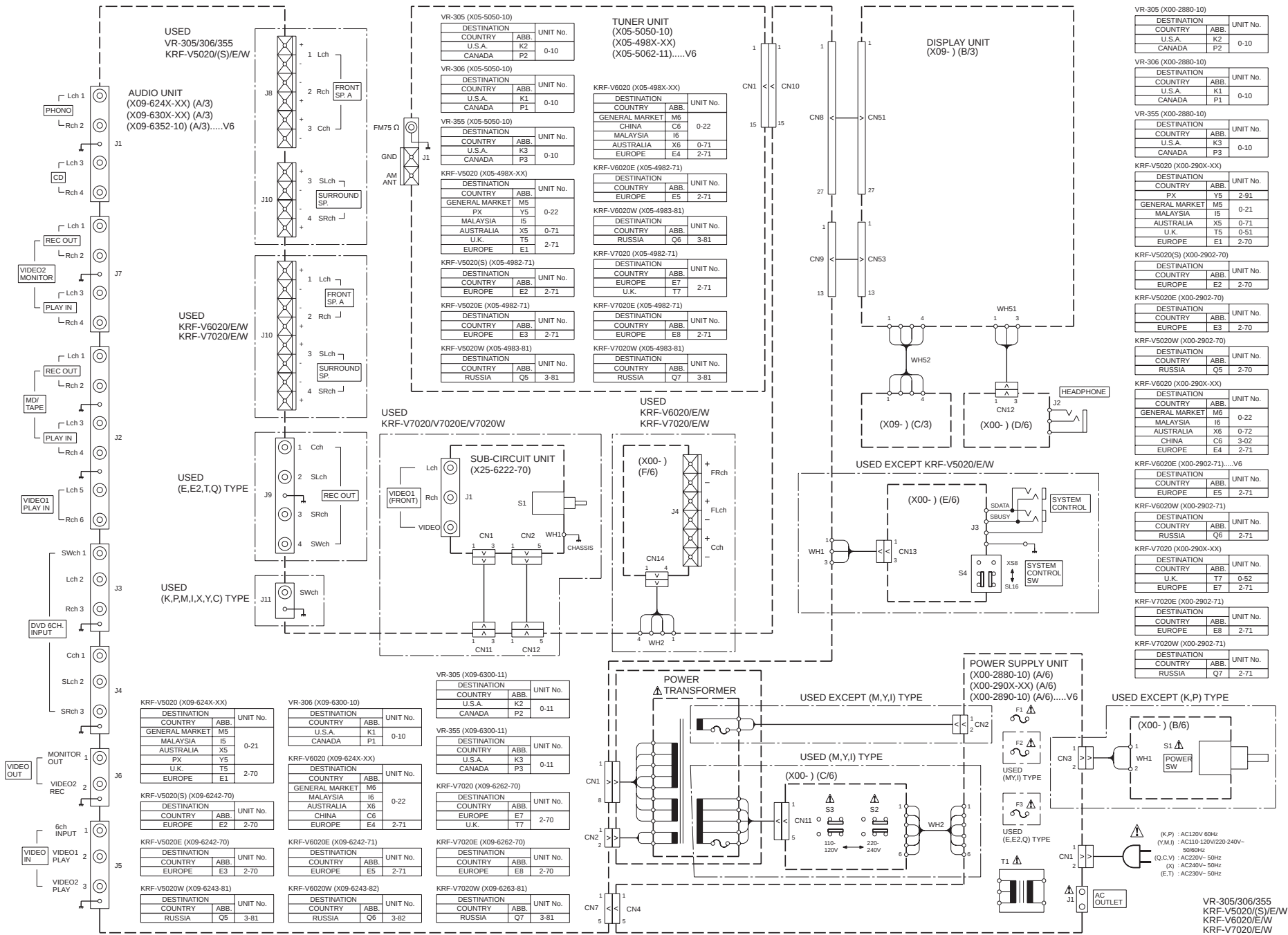
ADJUSTMENT

No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	RECEIVER SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
FM SECTION : EXCEPT E,T,Q type SELECTOR : FM							
1	DISTORTION (STEREO)	(C) 98.0MHz 1kHz, ±68.25kHz dev. Selector : L or R Pilot : ±6.75kHz dev. 70dBf (ANT. input)	(B)	98.0MHz	IFT (TUNER UNIT: A1)	Minimum distortion (L or R)	
2	TUNING LEVEL	(A) 98.0MHz MONO 1kHz, ±75kHz dev. 25dBf (ANT. input)	(B)	MONO 98.0MHz	VR1 (TUNER UNIT)	Adjust VR1 and stop at the point where ED51 (TUNED) goes on.	
FM SECTION : E,T,Q type only SELECTOR : FM ※Adjust NO.1 and NO.2 repeat.							
1	DISCRIMINATOR	(A) 98.0MHz 1kHz, ±40kHz dev. 70dBf (ANT. input)	Connect a DC voltmeter between CN2 ① and CN2 ② (TUNER UNIT)	MONO 98.0MHz	L4 (TUNER UNIT)	0V	
2	DISTORTION (MONO)	(A) 98.0MHz 1kHz, ±40kHz dev. MONO 70dBf (ANT. input)	(B)	MONO 98.0MHz	L5 (TUNER UNIT)	Minimum distortion	
3	DISTORTION (STEREO)	(C) 98.0MHz 1kHz, ±40kHz dev. Selector : L or R Pilot : ±6kHz dev. 70dBf (ANT. input)	(B)	AUTO 98.0MHz	IFT (TUNER UNIT : A1)	Minimum distortion (L or R)	
4	TUNING LEVEL	(A) 98.0MHz MONO 1kHz, ±40kHz dev. 29dBf (ANT. input)	(B)	MONO 98.0MHz	VR1 (TUNER UNIT)	Adjust VR1 and stop at the point where ED51 (TUNED) goes on.	

SYSTEM CONNECTIONS

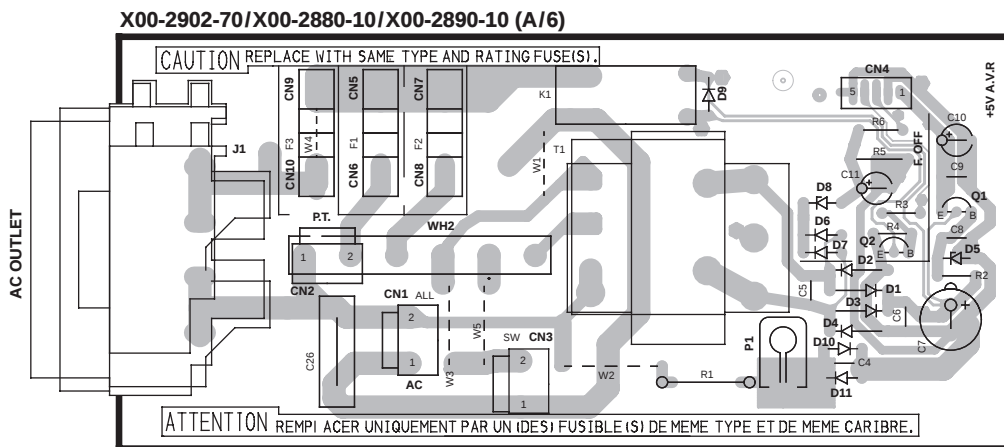
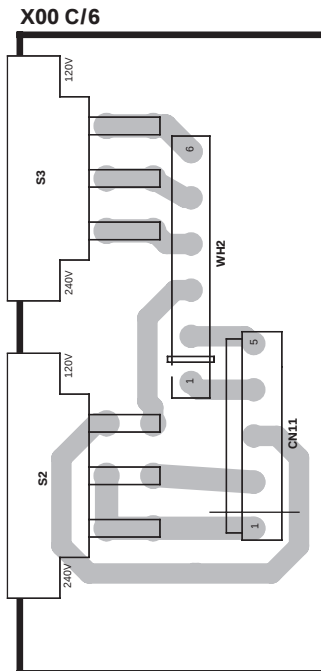
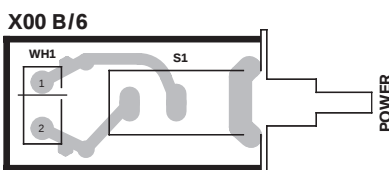
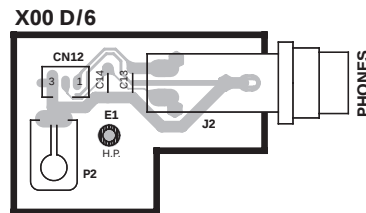
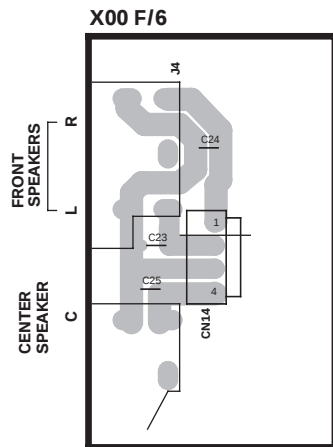
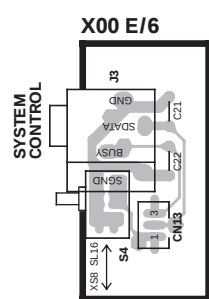
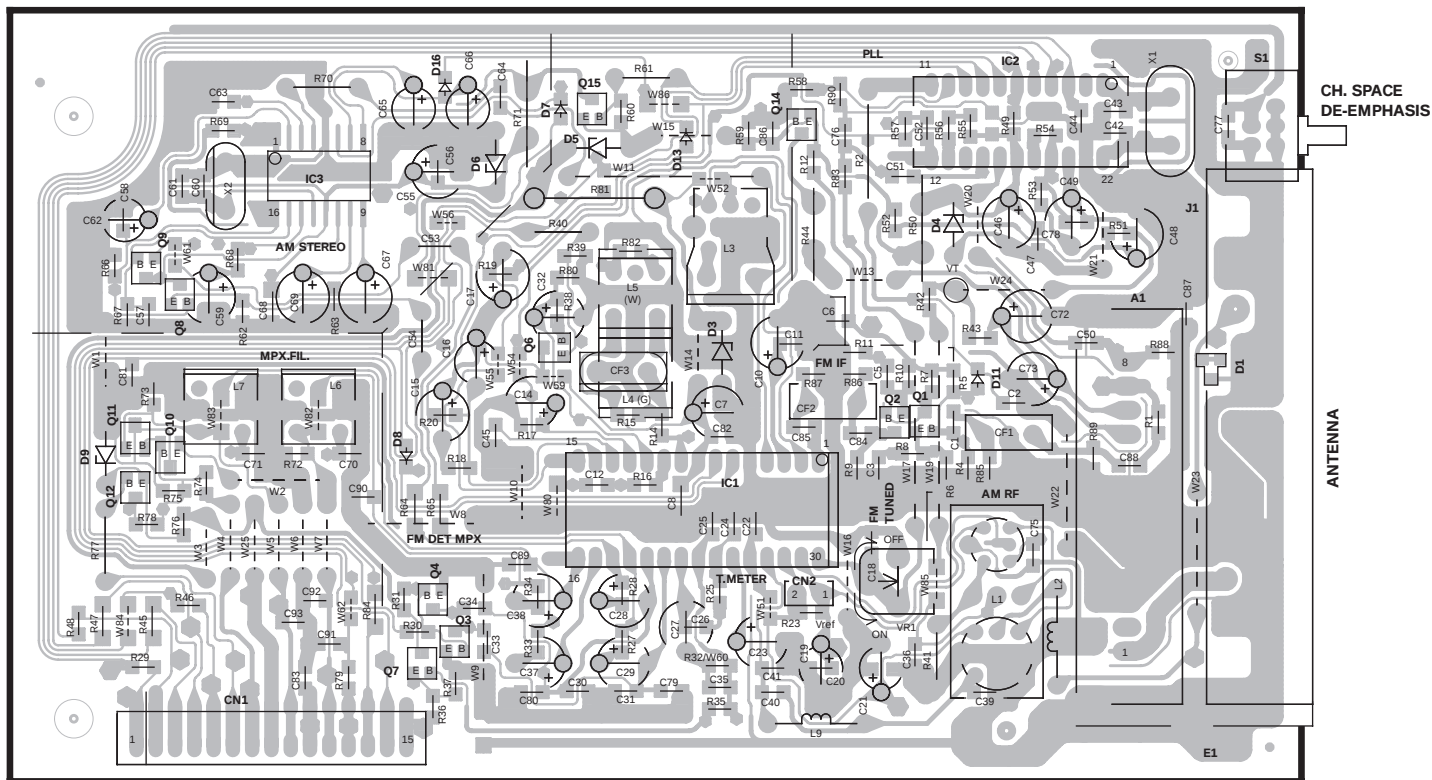


WIRING DIAGRAM



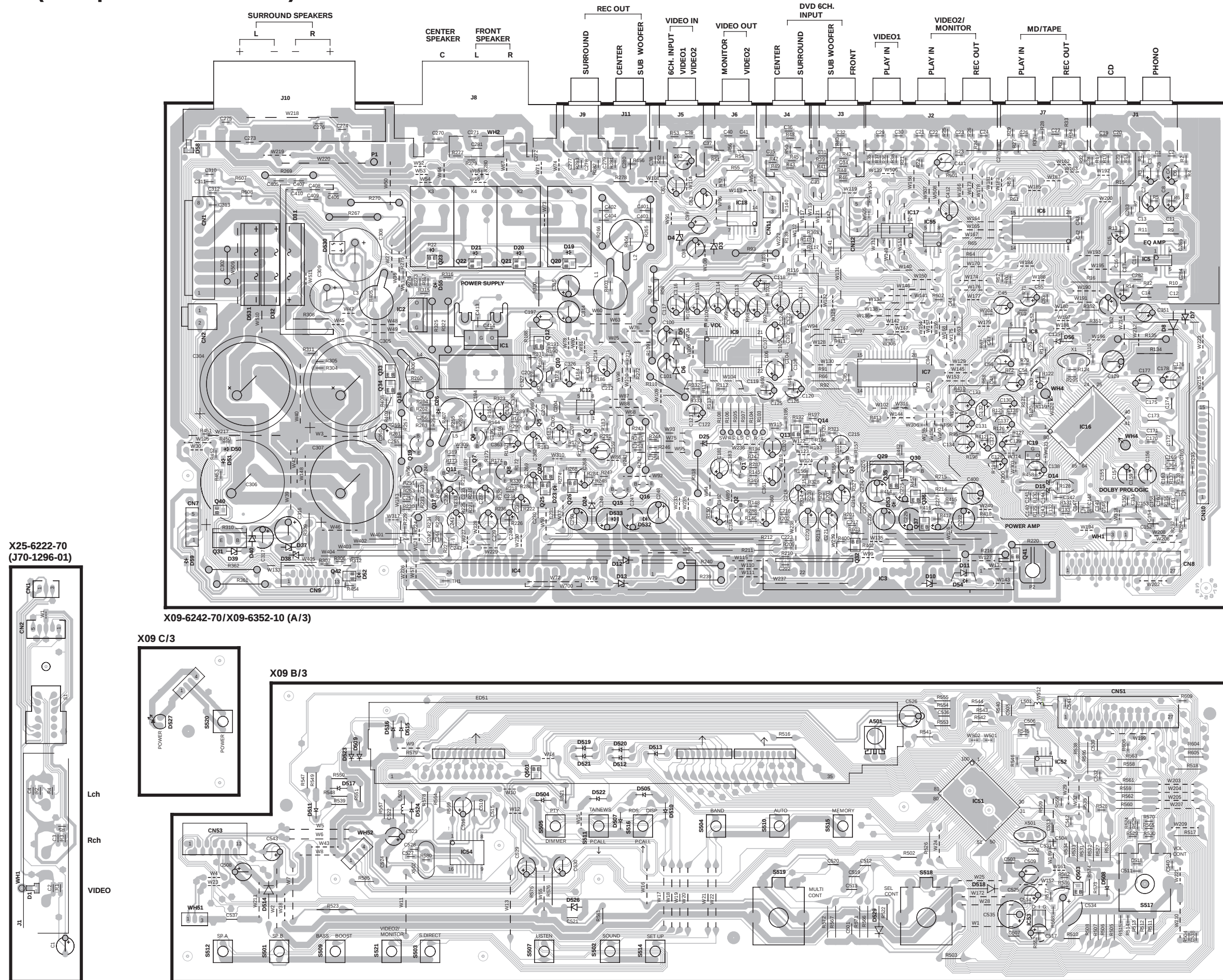
PC BOARD(Component side view)

X05-4980-10/X05-5050-10/X05-5062-11



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

PC BOARD(Component side view)



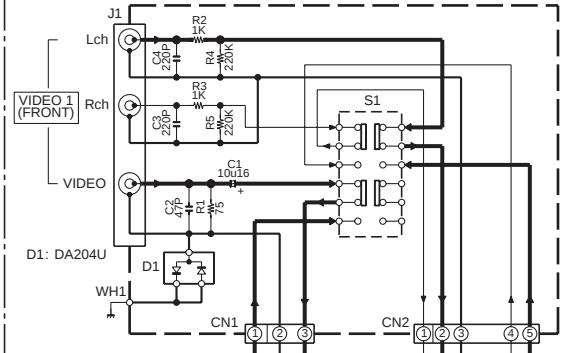
Refer to the schematic diagram for the value of resistors and capacitors.

IC1	: TA7815SB	D3,4,7	: MTZJ5.1(B) or
IC2	: TA79015SB	D5,6	: RD5.1ES(B2)
IC3	: *	D10,12,13	: MTZJ8.2(B) or
IC4	: *	D11,56	: MTZJ7.5(B) or
IC5	: NJM4580ED	D14,15	: MTZJ10(B) or
IC6	: TC9164AF	D19-23,26,50-55,59,532,533	: MA111
IC7	: TC9162AF	D24	: MTZJ4.7(B) or
IC8,12,55	: NJM4565MD	D25	: MTZJ3.3(B) or
IC9	: M62446FP	D31,32	: D4SBL20UF03
IC16	: M62460FP	D37,38	: MTZJ16(B) or
IC17	: BU4066BCF	D39,40	: RD16ES(B2)
IC18	: NJM2279M	D530	: MTZJ18(B) or
IC19	: M5278L05M		: RD18ES(B2)
			: S1ZB20(4072)
Q1-11	: 2SC2878(B)		
Q12,40,42	: 2SC4213(B)		
Q13,14	: 2SA1586(Y,GR) or		
	: 2SA1611(M5,M6)		
Q15-19	: 2SC1845(F,E)		
Q20-23	: DTC123JUA		
Q24,25,32-34,36,37	: 2SC3722K(R,S)		
Q26,35	: 2SA1255		
Q29	: 2SC3944A(R,S)		
Q30	: 2SA1285A(F) or		
	: 2SA1123(S,T)		
Q31	: 2SB1640		
Q41	: DTC1132UA or		
	: UN5219		
TH1	: PTH9C42BD471Q		

SIGNAL LINE
 +B LINE
 -B LINE

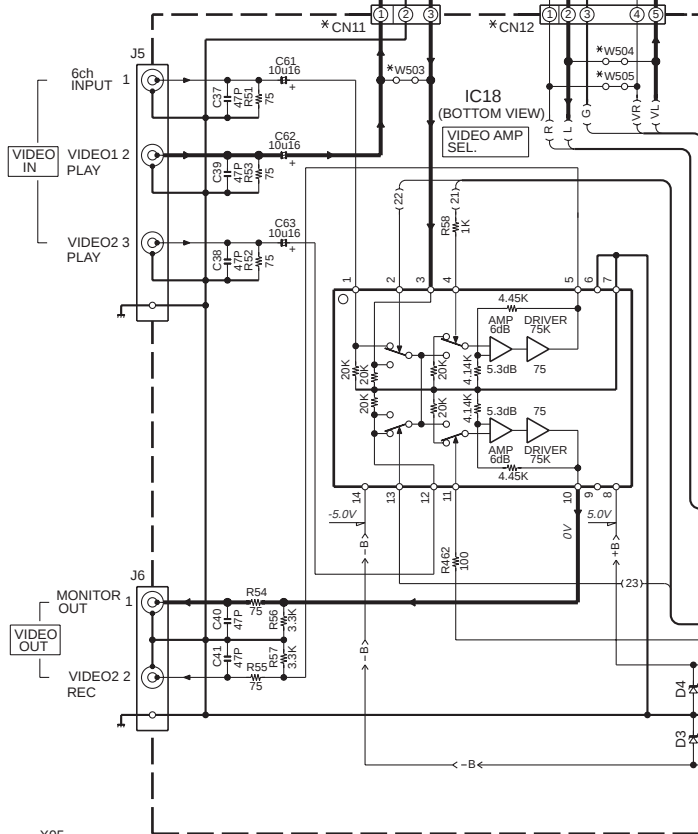
USED
KRF-V7020/E/W

SUB CIRCUIT UNIT (X25-6222-70)

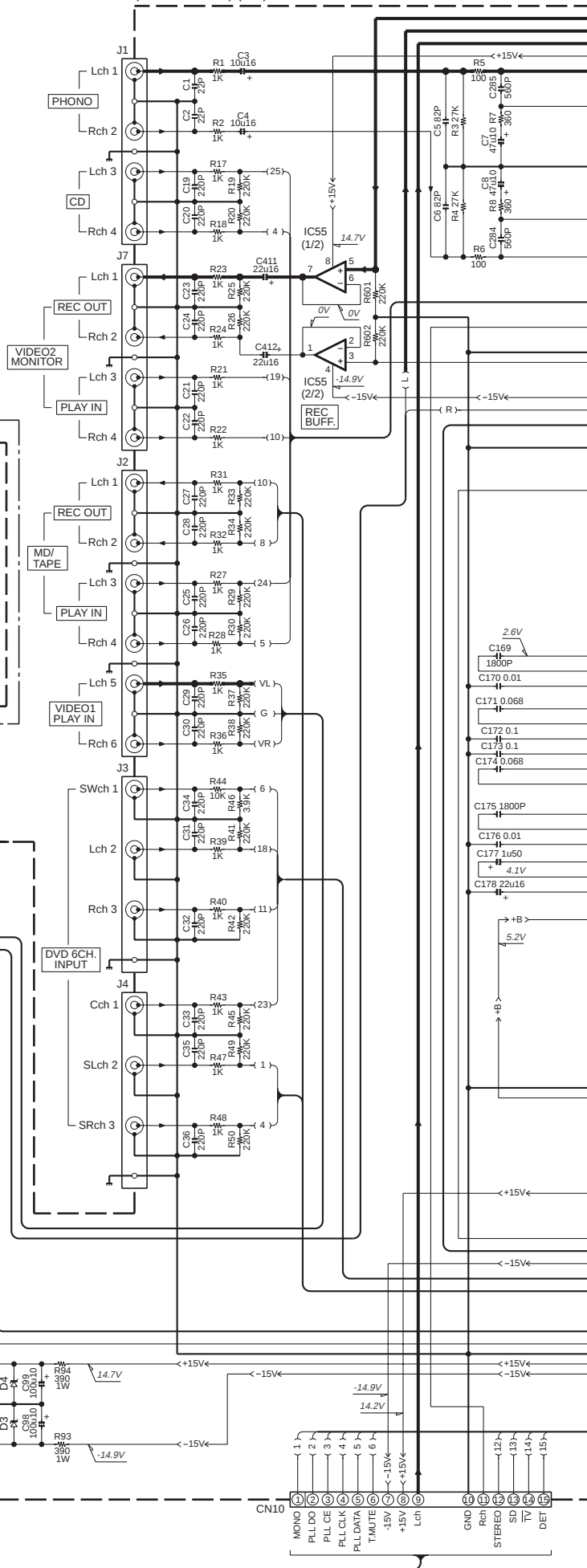


IC18 I/O TABLE

INPUT	10	5	2	13	4
OUTPUT	MONITOR	VIDEO1 REC	V-A	V-B	MUTE
VIDEO1	○	×	L	L	L
VIDEO2	○	○	L	H	H
6ch INPUT	○	○	H	H	H



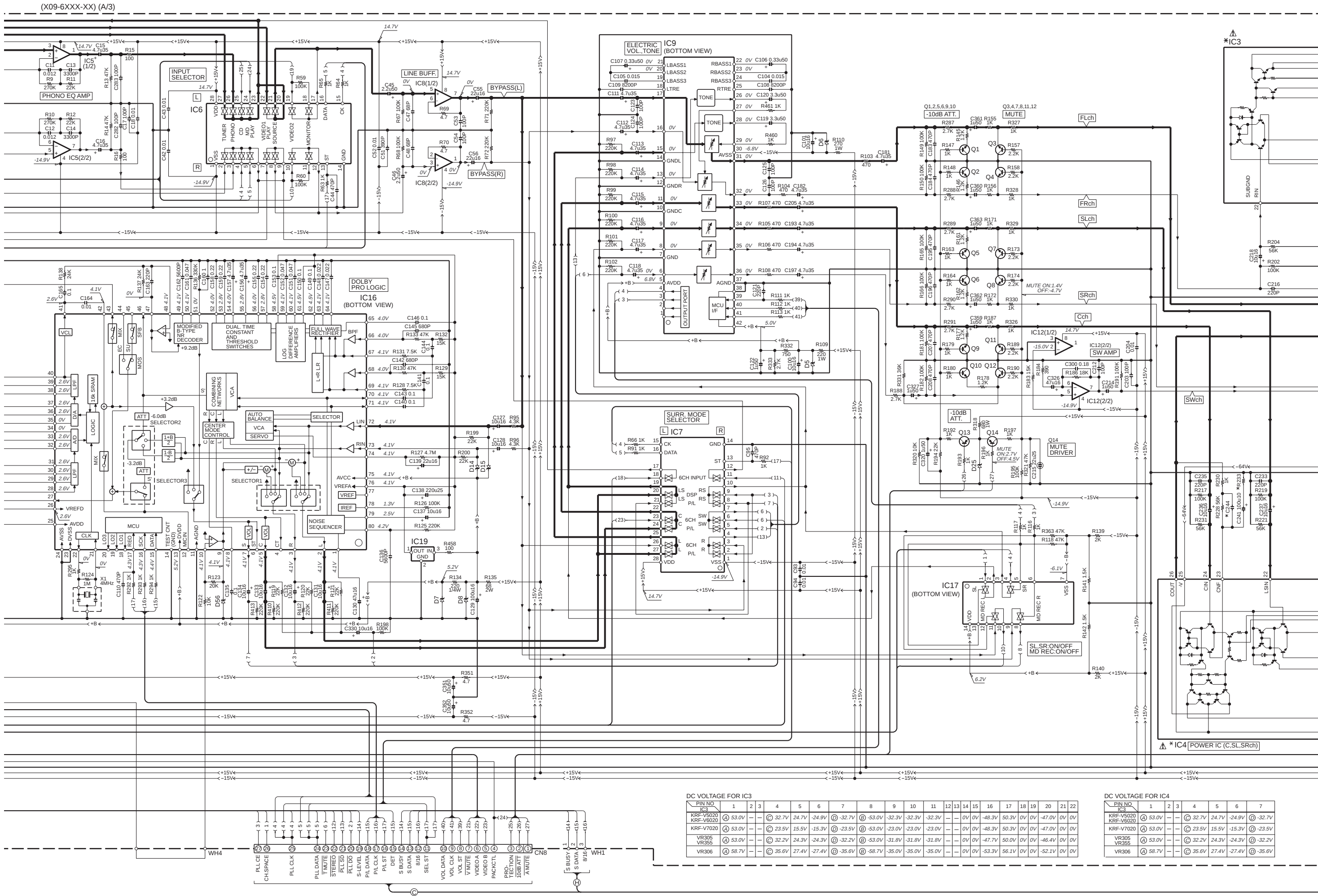
AUDIO UNIT
(X09-6XXX-XX) (A/3)



X05-
CN1

1/3

(A)

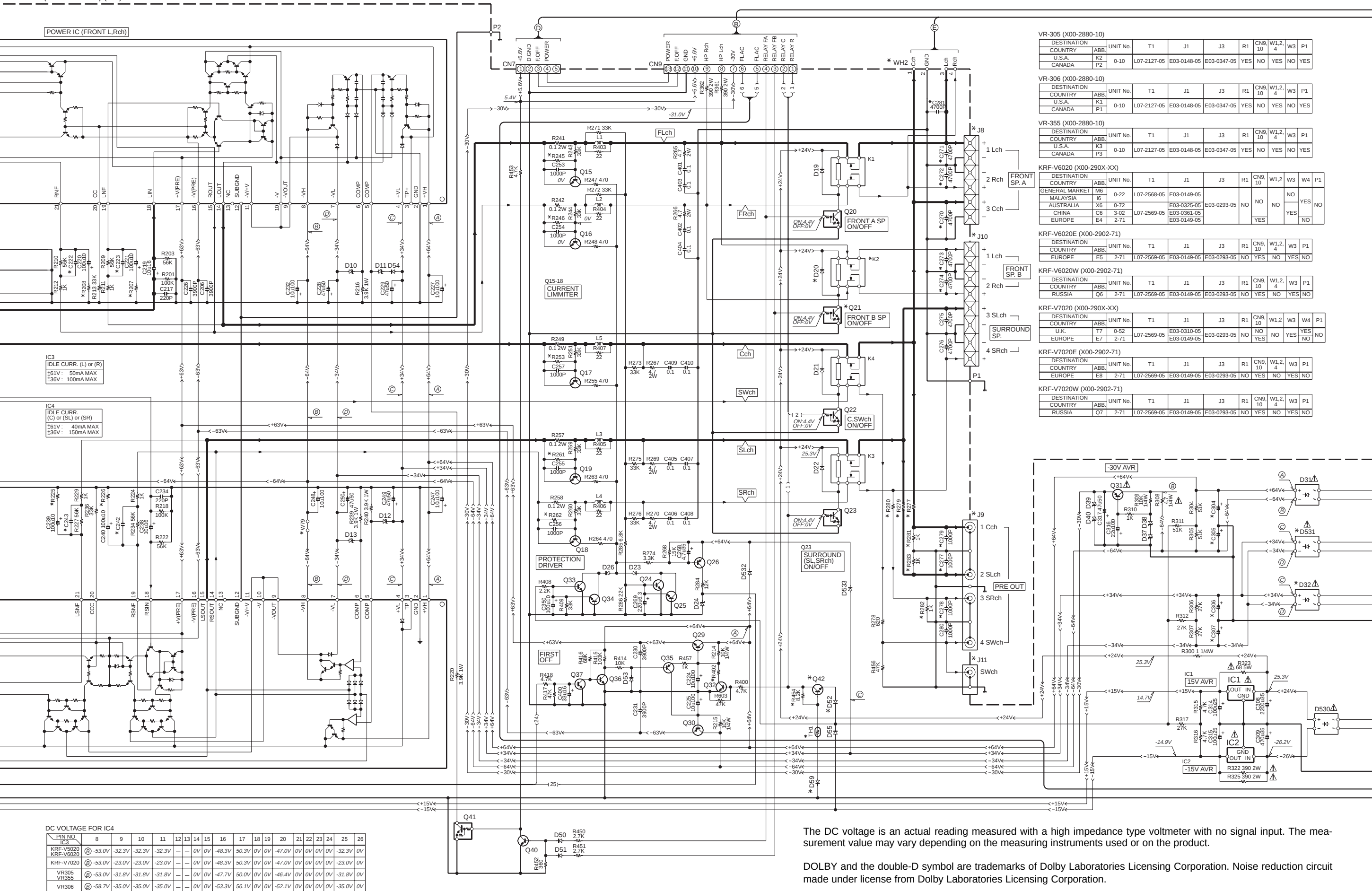


DC VOLTAGE FOR IC3

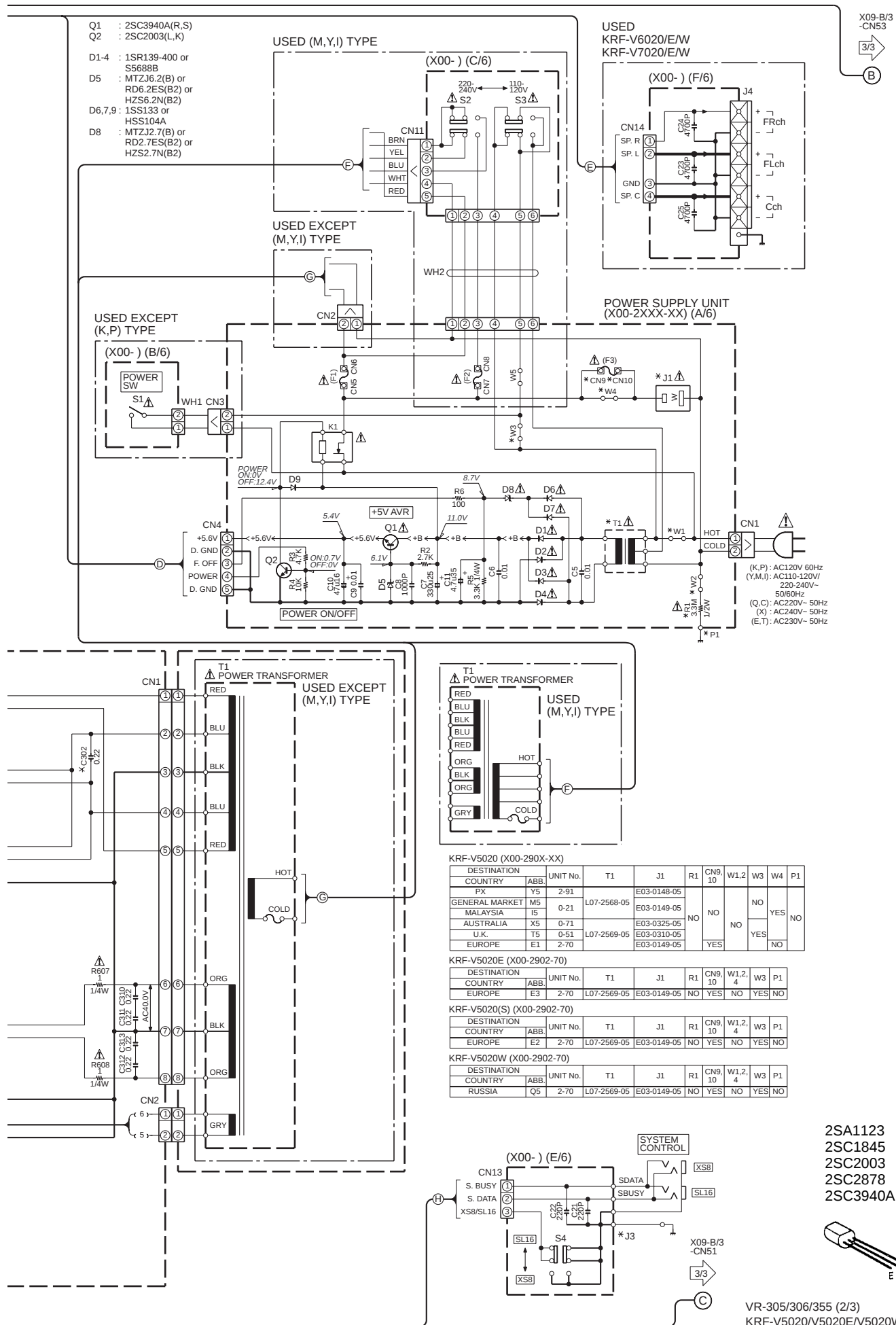
PIN NO	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
KRF-V5020	A	53.0V	-	-	32.7V	24.7V	-24.9V	32.7V	-53.0V	-32.3V	-32.3V	-32.3V	-	0V	0V	-48.3V	50.3V	0V	0V	-47.0V	0V	0V
KRF-V6020	A	53.0V	-	-	32.5V	15.5V	-15.3V	-23.5V	-53.0V	-23.0V	-23.0V	-23.0V	-	0V	0V	-48.3V	50.3V	0V	0V	-47.0V	0V	0V
VR305	A	53.0V	-	-	32.2V	24.3V	-24.3V	-32.2V	-53.0V	-31.8V	-31.8V	-31.8V	-	0V	0V	-47.7V	50.0V	0V	0V	-46.4V	0V	0V
VR355	A	53.0V	-	-	32.2V	24.3V	-24.3V	-32.2V	-53.0V	-31.8V	-31.8V	-31.8V	-	0V	0V	-47.7V	50.0V	0V	0V	-46.4V	0V	0V
VR306	A	58.7V	-	-	35.6V	27.4V	-27.4V	-35.6V	-58.7V	-35.0V	-35.0V	-35.0V	-	0V	0V	-53.3V	56.1V	0V	0V	-52.1V	0V	0V

DC VOLTAGE FOR IC4

PIN NO	1	2	3	4	5	6	7
KRF-V5020	A	53.0V	-	-	32.7V	24.7V	-24.9V
KRF-V6020	A	53.0V	-	-	32.5V	15.5V	-15.3V
KRF-V7020	A	53.0V	-	-	32.2V	24.3V	-24.3V
VR305	A	53.0V	-	-	32.2V	24.3V	-24.3V
VR355	A	53.0V	-	-	32.2V	24.3V	-24.3V
VR306	A	58.7V	-	-	35.6V	27.4V	-27.4V



(X09-6XXX-XX) (A/3)



VR-305 (X09-6300-11)

DESTINATION		UNIT NO	C222,223,242-244	C270-272	C273,274,277-279,281,302,539	C304,305	C306,307	CN11,12	D20,32,52,59	D531	IC3	IC4	J8,11	J9	J10	K2	Q21,42	R207,208,225,226,233	R245,246,253,261,262	R277,279,280-283,454	R402	TH1	W503-505	WH2
COUNTRY	ABB.																							
U.S.A.	K2	0-11	15P	YES	NO	4700u 75	3300u 42	NO	NO	YES	STK411-220D	STK410-020D	YES	NO	E70-0057-05 4P	NO	NO	360	36K	NO	56K	NO	YES	NO
CANADA	P2																							

VR-306 (X09-6300-10)

DESTINATION		UNIT NO	C222,223,242-244	C270-272	C273,274,277-279,281,302,539	C304,305	C306,307	CN11,12	D20,32,52,59	D531	IC3	IC4	J8,11	J9	J10	K2	Q21,42	R207,208,225,226,233	R245,246,253,261,262	R277,279,280-283,454	R402	TH1	W503-505	WH2
COUNTRY	ABB.																							
U.S.A.	K1	0-10	15P	YES	NO	4700u 75	3300u 42	NO	NO	YES	STK411-230D	STK410-030D	YES	NO	E70-0057-05 4P	NO	NO	330	33K	NO	43K	NO	YES	NO
CANADA	P1																							

VR-355 (X09-6300-11)

DESTINATION		UNIT NO	C222,223,242-244	C270-272	C273,274,277-279,281,302,539	C304,305	C306,307	CN11,12	D20,32,52,59	D531	IC3	IC4	J8,11	J9	J10	K2	Q21,42	R207,208,225,226,233	R245,246,253,261,262	R277,279,280-283,454	R402	TH1	W503-505	WH2
COUNTRY	ABB.																							
U.S.A.	K3	0-11	15P	YES	NO	4700u75	3300u42	NO	NO	YES	STK411-220D	STK410-020D	YES	NO	E70-0057-054P	NO	NO	360	36K	NO	56K	NO	YES	NO
CANADA	P3																							

KRF-V5020 (X09-624X-XX)																																
DESTINATION		UNIT NO.	C222,223,242-244	C270,272,302	C271	C273,274	C277-279,539	C281	C304,305	C306,307	CN11,12	D20,531	D32	D52,59	IC3	IC4	J8	J9	J10	J11	K2	Q21	Q42	R207,208,225,226,233	R245,246,253,261,262	R277,279,280	R281-283	R402	R454	TH1	W503-505	WH2
COUNTRY	ABB	0-21	15P	YES	YES	NO	NO	NO	4700u75	3300u42	NO	NO	YES	YES	STK411-220D	STK410-020D	YES	NO	E70-0057-054P	NO	NO	NO	YES	360	36K	NO	NO	27K	YES	YES	YES	NO
GENERAL MARKET	M5																															
MALAYSIA	I5																															
AUSTRALIA	X5																															
PX	Y5																															
U.K.	T5	2-70	10P	NO			YES	YES	4700u63	3300u35			NO							YES			NO	470		16K	YES	24K	NO	NO		
EUROPE	E1																															

KRF-V5020(S) (X09-6242-70)																										
DESTINATION		UNIT NO	C222,223,242-244	C270,272,277-279,281,302,539	C271,273,274	C304,305	C306,307	CN11,12	D20,32,59,531	D32	IC3	IC4	J8,9	J10	J11	K2	Q21,42	R207,208,225,226,233	R245,246,253,261,262	R277,279,280	R281-283	R402	R454	TH1	W503-505	WH2
COUNTRY	ABB.																									
EUROPE	E2	2-70	10P	YES	NO	4700 6300u	3300u 35	NO	NO	YES	STK411-220D	STK410-020D	YES	E70-0057-05 4P	NO	NO	NO	470	36K	16K	YES	24K	NO	NO	YES	NO

KRF-V5020E (X09-6242-70)

DESTINATION		UNIT NO.	C222,223, 242-244	C270,272,277-279, 281,302,539	C271,273, 274	C304, 305	C306, 307	CN11, 12	D20,32, 59,531	D32	IC3	IC4	J8,9	J10	J11	K2	Q21, 42	R207,208,225, 226,233	R245,246,253, 261,262	R277,279, 280	R281- 283	R402	R454	TH1	W503- 505	WH2
COUNTRY	ABB.																									
EUROPE	E3	2-70	10P	YES	NO	4700u 6300	3300u 35	NO	NO	YES	STK411-220D	STK410-020D	YES	E70-0057-05 4P	NO	NO	NO	470	36K	16K	YES	24K	NO	NO	YES	NO

KRF-V5020W (X09-6243-81)																										
DESTINATION		UNIT NO.	C222,223,242-244	C270-272,277-279,302,539	C273,274,281	C304,305	C306,307	CN11,12	D20,32,59,531	D32	IC3	IC4	J8,9	J10	J11	K2	Q21,42	R207,208,225,226,233	R245,246,253,261,262	R277,279,280	R281-283	R402	R454	TH1	W503-505	WH2
COUNTRY	ABB.																									
RUSSIA	Q5	3-81	10P	YES	NO	4700u 63	3300u 35	NO	NO	YES	STK411-220D	STK410-020D	YES	E70-0057-05 4P	NO	NO	NO	470	36K	16K	YES	24K	NO	NO	YES	NO

KRF-V6020 (X09-624X-XX)																															
DESTINATION		UNIT NO	C222,223,242-244	C270-272,281	C273,274,302	C277-279,539	C304,305	C306,307	CN11,12	D20,32	D531	D52,59	IC3	IC4	J8	J9	J10	J11	K2	Q21	Q42	R207,208,225,226,233	R245,246,253,261,262	R277,279,280	R281-283	R402	R454	TH1	W503-505	WH2	
COUNTRY	ABB																														
GENERAL MARKET		M6	0-22	15P	NO	YES	NO	4700u75	3300u42	NO	YES	NO	YES	STK411-220D	STK410-020D	NO	NO	E70-0047-058P	YES	YES	YES	YES	360	36K	NO	NO	27K	YES	YES	YES	YES
MALAYSIA		I6																													
AUSTRALIA		X6																													
CHINA		C6																													
EUROPE		E4	2-71	10P		YES	4700u63	3300u35				NO				YES			NO		NO	470		16K	YES	24K	NO	NO			

KRF-V6020(X00-2892-10)

COUNTRY	ABB.	C13,14	C23-25	WH2	CN2,3	CN11	CN14	J1	J2	J3	J4	P1	W1,2,5	CN7-10	T1	S1	S2,3
SHANGHAI	V6	150P	YES	NO	YES	NO	YES	E03-0361	E11-0295	E11-0347	YES	NO	NO	NO	L07-2129	S68-0088	NO

KRF-V6020(X05-5062-11)

COUNTRY	ABB.	(A)	(C)	(F)	(B)	C8	C25	C26	C30,31, 35	C42	C43	C70,71,74, 79,80,82	C89,90	CN2	J1	E1	CF1,2	CF3	L4-7	X1	R8,11	R14	R15	R23
SHANGHAI	V6	NO	YES	YES	YES	470P	0.022	YES	27P	22P	NO	NO	YES	NO	E70-0080	YES	L72-0531	YES	NO	L77-2187	33	270	NO	3.3K

KRF-V6020(X05-5062-11)												
COUNTRY	ABB.	R25	R27,28	R32	R72,73	R80,82	W53,60	W56,82,83	D13	IC1	A1	
SHANGHAI	V6	1.8K	7.5K	YES	8.2K	NO	NO	YES	NO	LA1838	W02-2622	

KRF-V6020(X09-6352-10)

COUNTRY	ABB.	C222,223,242-244	C270-272	C273,274	C277-279,281	C302	C304,305	C306,307	C510,515,516,522-524,527,528,533,535,540	P1	P2	WH1,2,4,51,52	CN11,12	J1	J2
SHANGHAI	V6	15P	NO	YES	NO	C91-1480	4700U75	3300U42	NO	NO	YES	YES	NO	E63-0172	E63-0173

UDF-V6020(X09-6352-10)

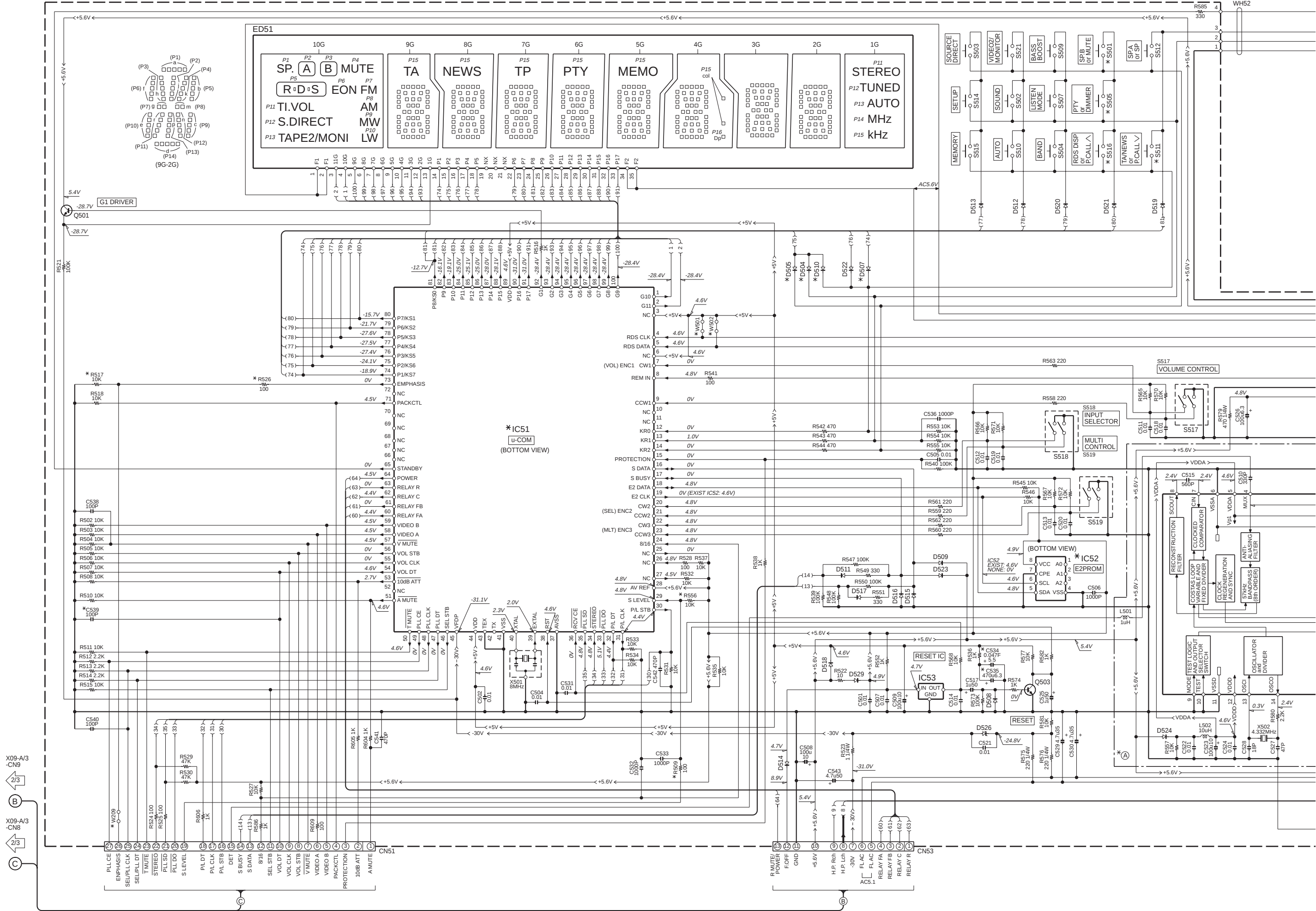
KRF-V6020(X09-6352-10)

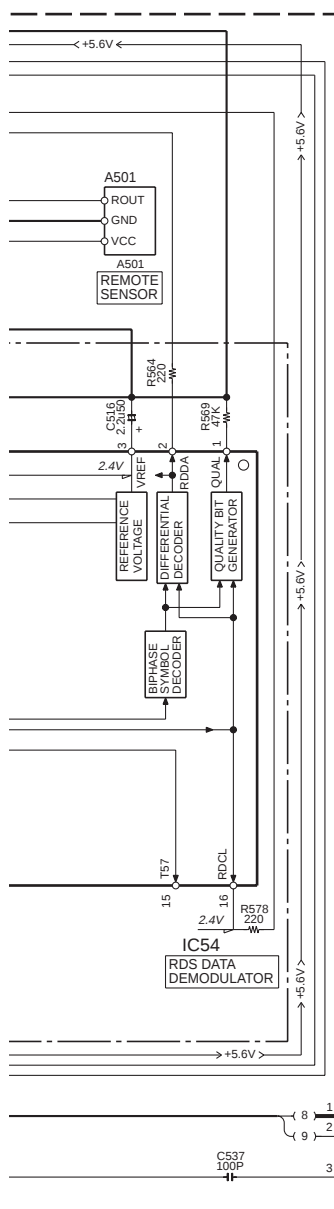
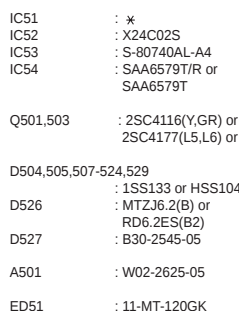
COUNTRY	ABB.	J3,4	J5	J6	J7	J8,9	J10	J11	W209	L501,502	X502	R207,208,225,226,233	R245,246,253,261,262	R277,279-283	R402	R454	R509
SHANGHAI	V6B	E63-1017	E63-1018	E63-1019	E63-0172	NO	E70-0047	E63-1016	YES	NO	NO	360	36K	NO	56K	8.2K	NO

KRF-V6020(X09-6352-10)																									
COUNTRY	ABB.	R517	R526	R556	R577,564,569, 578,580		W503-506		K6	D20,32,52,59, 504,510		D505,507,522, 524,531		IC3	IC4	IC51	IC52	IC54	Q21,42	TH1					
SHANGHAI	V6	10K	100	10K	NO	NO	NO	YES	YES	NO	STK411-220D	STK410-020D	CXP82832-155Q	YES	NO	YES	YES	NO	YES	YES					

KRF-V6020E (X09-6242-71)																											
DESTINATION		UNIT No.	C222,223,242-244	C270-272,281	C273,274,277-279,302,539	C304,305	C306,307	CN11,12	D20,32	D32,59,531	IC3	IC4	J8,11	J9	J10	K2	Q21	Q42	R207,208,225,226,233	R245,246,253,261,262	R277,279,280	R281-283	R402	R454	TH1	W503-505	WH2
COUNTRY	ABB.																										
EUROPE	E5	2-71	10P	NO	YES	4700u	3300u	NO	NO	YES	STK411-220D	STK410-020D	NO	YES	E70-0047-05	YES	YES	NO	470	36K	28K	YES	24K	NO	NO	YES	YES

DISPLAY UNIT
(X09-6XXX-XX) (B/3)



VR-305 (X09-6300-11)[illegible]VR-306 (X09-6300-10)

DESTINATION		UNIT No.	(A)	C534	C535	D504,505, 507,510	IC51	IC52	R509,517, 526	R556	S501	S505	S511	S516	W209	W501, 502	J2
COUNTRY	ABB.																
U.S.A.	K1	0-10	NO	NO	YES	NO	CXP82832 -1550	NO	NO	YES	SB P	DIMMER	P<CALL P<CALL P<CALL	P<CALL P<CALL P<CALL	NO	YES	E11-0295-05
CANADA	P1																

VR-355 (X09-6300-11)

DESTINATION		UNIT No.	A	C534	C535	D504,505, 507,510	IC51	IC52	R509,517, 526	R556	S501	S505	S511	S516	W209	W501, 502	J2
COUNTRY	ABB.																
U.S.A.	K3	0-11	NO	NO	YES	NO	CXP#2632 -1550	NO	NO	YES	MUTE	DIMMER	P.CALL V<<<	P.CALL V<<<	NO	YES	E11-0295-05
CANADA	P3																

KRF-V5020 (X09-624X-XX)

DESTINATION	UNIT No.	(A)	C534	C535	D504	D505	D507	D510	IC51	IC52	R509	R517,526, 556	S501	S505	S511	S516	W209,501, 502	J2
COUNTRY	ABB.																	
GENERAL MARKET	M5																	
MALAYSIA	I5	0-21	NO		YES	NO			CXP82832 -15SQ		NO	YES	MUTE	DIMMER	P/CALL ⌵	P/CALL ⌶	YES	
AUSTRALIA	X5			YES			NO	YES		YES								
PX	Y5																	
U.K.	T5																	
EUROPE	E1	2-70	YES			NO	YES		CXP82852 -136Q		YES	NO		PTY	(RDS) DISPLAY	TA/ NEWS	NO	

KRF-V5020(S) (X09-6242-70)

DESTINATION COUNTRY	ABB.	UNIT No.	Ⓐ	C534	C535	D504, 507	D505, 510	IC51	IC52	R509	R517,526 556	S501	S505	S511	S516	W209,501, 502	J2
EUROPE	E2	2-70	YES	YES	NO	NO	YES	CXP2852 -1360	YES	YES	NO	MUTE	PTY	(RDS) DISPLAY	TA/ NEWS	NO	E11-0127-05

KRF-V5020E (X09-6242-70)

DESTINATION COUNTRY		UNIT No.	A	C534	C535	D504, 507	D505, 510	IC51	IC52	R509	R517,526 556	S501	S505	S511	S516	W209,501, 502	J2
ABE																	
EUROPE	E3	2-70	YES	YES	NO	NO	YES	CXP82952-1360	YES	YES	NO	MUTE	PTY	(RDS) DISPLAY	TA/ NEWS	NO	E11-0127-05

KRF-V5020W (X09-6243-81)

DESTINATION		UNIT No.	A	C534	C535	D504,507,510	D505	IC51	IC52	R509	R517,526,556	S501	S505	S511	S516	W209,501,502	J2
COUNTRY	ABB.																
RUSSIA	Q5	3-81	YES	YES	NO	YES	NO	CXP82852-1360	YES	YES	NO	MUTE	PTY	(RDS) DISPLAY	TA/NEWS	NO	E11-0127-05

KRF-V6020 (X09-624X-XX)

RPR-V0020 (X09-024-X)																		
DESTINATION	UNIT No.	(A)	C534	C535	D504	D505	D507	D510	IC51	IC52	R509	R517,526, 556	S501	S505	S511	S516	W209,501, 502	J2
ABB																		
GENERAL MARKET	M6	0-22	NO	YES	NO	YES	NO	YES	CPX28232 -155Q	YES	NO	YES	SP B	DIMMER	PCALL V	PCALL ^	YES	E11-0127-05
MALAYSIA	I6																	
AUSTRALIA	X6																	
CHINA	C6																	
EUROPE	E4	2-71	YES						CPX28252 -136Q		YES	NO		PTY	(RDS) DISPLAY	TA/ NEWS	NO	

KRF-V6020E (X09-6242-71)

DESTINATION		UNIT No.	Ⓐ	C534	C535	D504, 507	D505, 510	IC51	IC52	R509	R517,526, 556	S501	S505	S511	S516	W209,501, 502	J2
COUNTRY	ABB.																
EUROPE	E5	2-71	YES	YES	NO	NO	YES	XP82852 -136Q	YES	YES	NO	SP B	PTY	(RDS) DISPLAY	TA/ NEWS	NO	E11-0127-05

KRF-V6020W (X09-6243-82)

DESTINATION		UNIT No.	(A)	C534	C535	D504,507,510	D505	IC51	IC52	R509	R517,526,556	S501	S505	S511	S516	W209,501,502	J2
COUNTRY	ABB.																
RUSSIA	Q6	3-82	YES	YES	NO	YES	NO	CXP82852-1360	YES	YES	NO	SP B	PTY	(RDS) DISPLAY	TA/NEWS	NO	E11-0127-05

KRF-V7020 (X09-6262-70)

DESTINATION		UNIT No.	(A)	C534	C535	D504, 507	D505, 510	IC51	IC52	R509	R517,526, 556	S501	S505	S511	S516	W209,501, 502	J2
COUNTRY	ABB.																
EUROPE	E7																
UK	T7	2-70	YES	YES	NO	NO	YES	CXP82852 -136Q	YES	YES	NO	SP B	PTY	(RDS) DISPLAY	TA/ NEWS	NO	E11-0127-05

KRF-V7020E (X09-6262-70)

DESTINATION		UNIT No.	A	C534	C535	D504, 507	D505, 510	IC51	IC52	R509	R517,526, 556	S501	S505	S511	S516	W209,501, 502	J2
COUNTRY	ABB.																
EUROPE	E8	2-70	YES	YES	NO	NO	YES	CXP82852 -136Q	YES	YES	NO	SP B	PTY	(RDS) DISPLAY	TA/ NEWS	NO	E11-0127-05

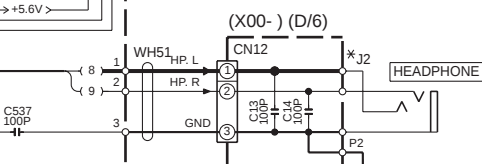
KRF-V7020W (X09-6263-81)

DESTINATION		UNIT No.	A	C534	C535	D504,507, 510	D505	IC51	IC52	R509	R517,526, 556	S501	S505	S511	S516	W209,501, 502	J2
COUNTRY	ABB.																
RUSSIA	Q7	3-81	YES	YES	NO	YES	NO	XPB2852 -136Q	YES	YES	NO	SP B	PTY	(RDS) DISPLAY	TA/ NEWS	NO	E11-0127-05

VR-305/306/355 (3/3)

KRF-V5010/V5020/V5020E/V5020W/V6020/V6020E/V6020W/V7020/V7020E/V7020W (3/3)

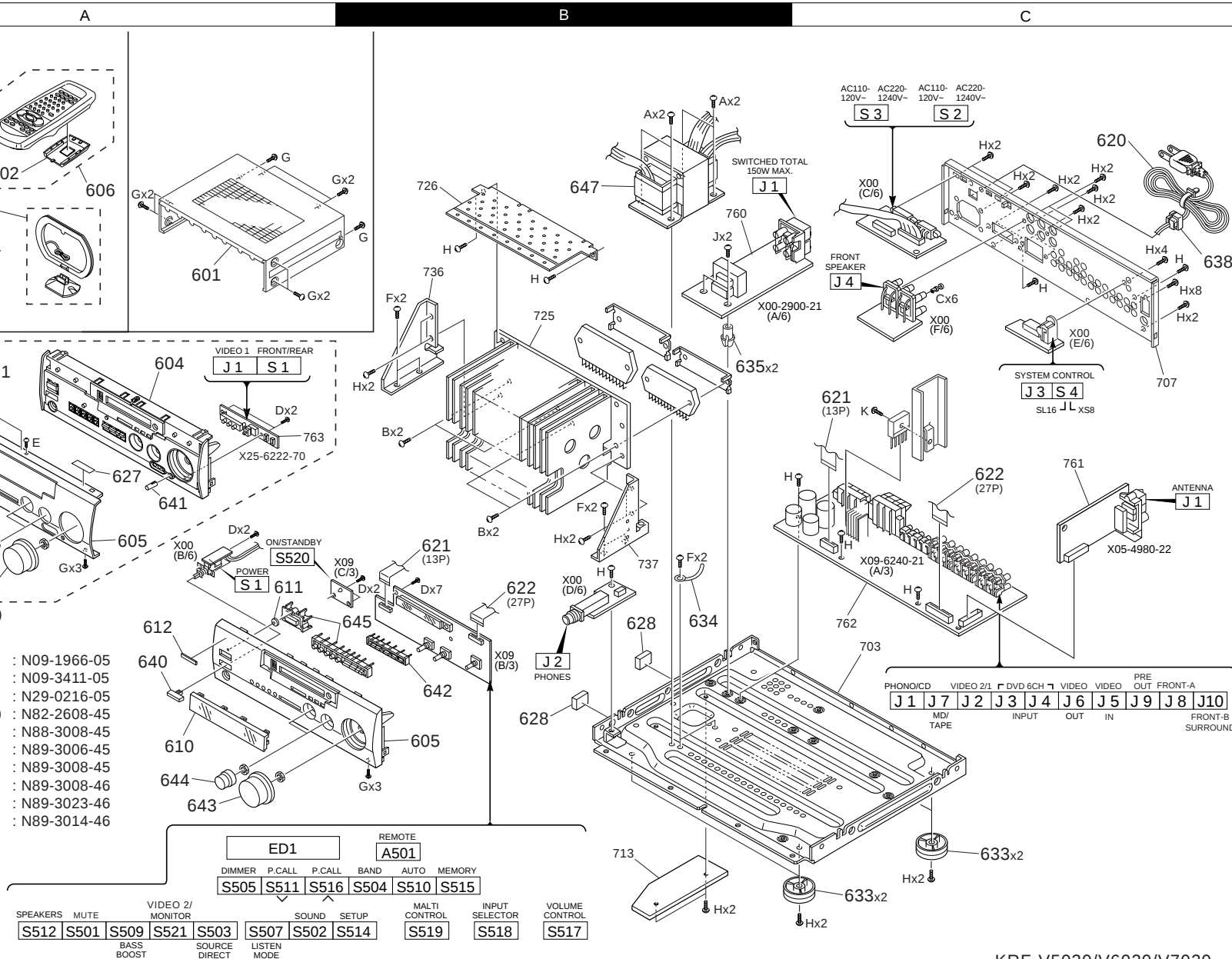
CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, 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.



The DC voltage is an actual reading measured with a high impedance type voltmeter with no signal input. The measurement value may vary depending on the measuring instruments used or on the product.

EXPLODED VIEW (UNIT)

KRF-V5020/V6020/V7020



* 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.

1

Ref. No	Add- ress	New Parts	Parts No.	Description	Desti- nation	Re- marks
KRF-V7020/V7020E/V7020W						
601	1A		A01-3686-01	METALLIC CABINET		
602	1A		A09-0366-08	BATTERY COVER		
604	1A	*	A22-1806-11	SUB PANEL		
605	1A	*	A60-1597-02	PANEL		
606	1A		A70-1275-05	REMOTE CONTROLLER (RC-R0508)		
610	2A		B10-3425-02	FRONT GLASS		
611	1A		B12-0341-04	INDICATOR		
612	1A		B43-0302-04	KENWOOD BADGE		
-			B46-0310-03	WARRANTY CARD		
-			B58-0945-03	CAUTION CARD	T7	
-			B58-0965-13	CAUTION CARD (T,X/PL)	T7	
-			B58-0966-13	CAUTION CARD (ELM/PL)	E8	
-			B58-1526-03	CAUTION CARD (P4,ORI,A4,1(Q))	Q7	
-			B58-1607-03	CAUTION CARD	E8	
-		*	B60-4148-00	INSTRUCTION MANUAL(EN)RC	E8T7Q7	
-			B60-4149-00	INSTRUCTION MANUAL(5-LANG)RC	E7	
-		*	B60-4150-00	INSTRUCTION MANUAL(PL/HU/CZ)RC	E8	
-		*	B60-4151-00	INSTRUCTION MANUAL(RU)RC	Q7	
-			B60-4155-00	INSTRUCTION MANUAL(EN)	E8T7Q7	
-			B60-4156-00	INSTRUCTION MANUAL(FR/NE)	E7	
-			B60-4157-00	INSTRUCTION MANUAL(IT/ES)	E7	
-			B60-4158-00	INSTRUCTION MANUAL(GE)	E7	
-			B60-4159-00	INSTRUCTION MANUAL(PL)	E8	
-			B60-4160-00	INSTRUCTION MANUAL(HU/CZ)	E8	
-			B60-4161-00	INSTRUCTION MANUAL(RU)	Q7	
Δ 620	1C		E30-2592-15	AC POWER CORD	E7E8Q7	
Δ 620	1C		E30-2721-05	AC POWER CORD	T7	
621	2B, 1C		E35-2017-05	FLAT CABLE 13P		
622	2B, 1C		E35-2042-05	FLAT CABLE 27P		
Δ F1			F05-3121-05	FUSE (SEMKO) (250V T3.15AL)		
Δ F3			F05-2525-05	FUSE (SEMKO) (250V T2.5AL)	E7E8Q7	
627	1A		G10-0481-04	NON-WOVEN FABRIC		
628	2B		G11-2416-04	CUSHION		
-			H10-7552-02	POLYSTYRENE FOAMED FIXTURE(L)		
-			H10-7553-02	POLYSTYRENE FOAMED FIXTURE(R)		
-			H25-0232-04	PROTECTION BAG (235X350X0.03)	E7E8Q7	
-			H25-0391-04	PROTECTION BAG		
-			H25-0651-04	PROTECTION BAG (0232)	T7	
-		*	H50-3233-04	ITEM CARTON CASE	E7T7	
-		*	H50-3235-04	ITEM CARTON CASE	E8	
-		*	H50-3236-04	ITEM CARTON CASE	Q7	
633	2C		J02-1168-03	FOOT GOLD		
634	2B		J19-2808-05	HOLDER		
635	1B		J19-3752-14	UNIT HOLDER		
Δ 638	1C		J42-0083-05	POWER CORD BUSHING		
-			J61-0081-05	WIRE BAND		
-			J61-0307-05	WIRE BAND		
640	2A		K27-2275-04	KNOB (BUTTON) PUSH		
641	1A	*	K27-2342-04	KNOB (BUTTON) F.AUX		
642	2B		K29-7311-03	KNOB RDS		
643	2A		K29-7312-04	KNOB D54		

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

K : USA
T : Europe
X : Australia

P : Canada
E : Europe
Q : Russia

R : Mexico
G : Germany
H : Korea

C : China
V : China(Shanghai)
M : Other Areas

I : Malaysia

Δ indicates safety critical components.

* 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.

2

Ref. No	Add- ress	New Parts	Parts No.	Description	Desti- nation	Re- marks
644	2A		K29-7313-04	KNOB D33		
Δ 647	1B	*	L07-2699-05	POWER TRANSFORMER	E7E8T7	
Δ 647	1B	*	L07-2700-05	POWER TRANSFORMER	Q7	
650	1A		T90-0833-05	LOOP ANTENNA		
651	1A		T90-0836-05	LEAD WIRE ANTENNA		
KRF-V6020/V6020E/V6020W						
601	1A	*	A01-3613-01	METALLIC CABINET	V6	
601	1A	*	A01-3687-01	METALLIC CABINET	C6X6I6	
601	1A	*	A01-3687-01	METALLIC CABINET	E4E5Q6	
601	1A	*	A01-3687-01	METALLIC CABINET	M6	
602	1A	*	A09-0366-08	BATTERY COVER	E4	
602	1A	*	A09-1123-08	BATTERY COVER	C6X6I6	
602	1A	*	A09-1123-08	BATTERY COVER	E5Q6M6	
602	1A	*	A09-1123-08	BATTERY COVER	V6	
605	2B	*	A60-1600-01	PANEL	E4E5Q6	
605	2B	*	A60-1601-01	PANEL	M6X6I6	
605	2B	*	A60-1602-01	PANEL	C6	
605	2B	*	A60-1663-01	PANEL	V6	
606	1A	*	A70-1264-05	REMOTE CONTROLLER (RC-R0711)	I6	
606	1A	*	A70-1264-05	REMOTE CONTROLLER (RC-R0711)	M6C6X6	
606	1A	*	A70-1264-05	REMOTE CONTROLLER (RC-R0711)	V6	
606	1A		A70-1265-05	REMOTE CONTROLLER (RC-R0710)	E5Q6	
606	1A	*	A70-1275-05	REMOTE CONTROLLER (RC-R0508)	E4	
610	2A		B10-2439-02	FRONT GLASS	V6	
610	2A		B10-3425-02	FRONT GLASS		
611	2A		B12-0334-14	INDICATOR	V6	
611	2A		B12-0341-04	INDICATOR		
612	2A		B43-0302-04	KENWOOD BADGE		
-			B46-0096-53	WARRANTY CARD	X6	
-			B46-0310-03	WARRANTY CARD	E4E5Q6	
-			B46-0343-03	WARRANTY CARD	C6	
-			B46-0344-03	WARRANTY CARD	V6	
-			B58-0965-13	CAUTION CARD (T,X/PL)	X6	
-			B58-0966-13	CAUTION CARD (ELM/P)	E4M6I6	
-			B58-1526-03	CAUTION CARD (P4,ORI,A4,1(Q))	Q6	
-			B58-1546-03	CAUTION CARD	C6V6	
-			B58-1607-03	CAUTION CARD	E5	
-		*	B60-4132-00	INSTRUCTION MANUAL(TC)	M6I6	
-		*	B60-4149-00	INSTRUCTION MANUAL(5-LAN)RC	E4	
-		*	B60-4152-00	INSTRUCTION MANUAL(EN)	M6X6I6	
-		*	B60-4155-00	INSTRUCTION MANUAL(EN)	E5Q6	
-		*	B60-4156-00	INSTRUCTION MANUAL(FR/NE)	E4	
-		*	B60-4157-00	INSTRUCTION MANUAL(IT/ES)	E4	
-		*	B60-4158-00	INSTRUCTION MANUAL(GE)	E4	
-		*	B60-4159-00	INSTRUCTION MANUAL(PL)	E5	
-		*	B60-4160-00	INSTRUCTION MANUAL(HU/CZ)	E5	
-		*	B60-4161-00	INSTRUCTION MANUAL(RU)	Q6	
-		*	B60-4162-00	INSTRUCTION MANUAL(SC)	C6	
Δ 619	1A		E03-0115-05	AC PLUG ADAPTER	M6I6	
Δ 620	1C		E30-2592-15	AC POWER CORD	E4E5Q6	
Δ 620	1C		E30-2592-15	AC POWER CORD	M6I6	
Δ 620	1C		E30-2717-05	AC POWER CORD	X6	
Δ 620	1C		E30-2824-15	AC POWER CORD	V6	

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

K : USA
T : Europe
X : Australia

P : Canada
E : Europe
Q : Russia

R : Mexico
G : Germany
H : Korea

C : China
V : China(Shanghai)
M : Other Areas

I : Malaysia

Δ indicates safety critical components.

PARTS LIST

KRF-V5020/V6020/V7020/VR-305/306/355

* 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.

③

Ref. No	Add- ress	New Parts	Parts No.	Description	Desti- nation	Re- marks
△ 620	1C		E30-2870-05	AC POWER CORD	C6	
621	2B, 1C		E35-2017-05	FLAT CABLE 13P		
622	2B, 1C		E35-2042-05	FLAT CABLE 27P		
△ F1			F05-3121-05	FUSE (SEMKO) (250V T3.15AL)	C6X6I6	
△ F1			F05-3121-05	FUSE (SEMKO) (250V T3.15AL)	E4E5Q6	
△ F1			F05-3121-05	FUSE (SEMKO) (250V T3.15AL)	M6	
△ F1			F50-0101-05	FUSE(5X20) (250V T3.15AL)	V6	
△ F2			F05-3121-05	FUSE (SEMKO) (250V T3.15AL)	M6I6	
△ F3			F05-2525-05	FUSE (SEMKO) (250V T2.5AL)	E4E5Q6	
628	2B		G11-2416-04	CUSHION		
-		*	H10-7552-02	POLYSTYRENE FOAMED FIXTURE(L)	C6X6I6	
-		*	H10-7552-02	POLYSTYRENE FOAMED FIXTURE(L)	E4E5Q6	
-		*	H10-7552-02	POLYSTYRENE FOAMED FIXTURE(L)	M6	
-		*	H10-7553-02	POLYSTYRENE FOAMED FIXTURE(R)	C6X6I6	
-		*	H10-7553-02	POLYSTYRENE FOAMED FIXTURE(R)	E4E5Q6	
-		*	H10-7553-02	POLYSTYRENE FOAMED FIXTURE(R)	M6	
-		*	H10-7554-02	POLYSTYRENE FOAMED FIXTURE	V6	
-		*	H10-7555-02	POLYSTYRENE FOAMED FIXTURE	V6	
-		*	H25-0232-04	PROTECTION BAG (235X350X0.03)		
-		*	H25-0391-04	PROTECTION BAG		
-		*	H50-3237-04	ITEM CARTON CASE	E4X6	
-		*	H50-3238-04	ITEM CARTON CASE	E5	
-		*	H50-3239-04	ITEM CARTON CASE	Q6	
-		*	H50-3240-04	ITEM CARTON CASE	M6I6	
-		*	H50-3241-04	ITEM CARTON CASE	C6	
-		*	H50-3259-04	ITEM CARTON CASE	V6	
633	2C		J02-1167-03	FOOT	V6	
633	2C		J02-1168-03	FOOT GOLD	C6X6I6	
633	2C		J02-1168-03	FOOT GOLD	E4E5Q6	
633	2C		J02-1168-03	FOOT GOLD	M6	
634	2B		J19-2808-05	HOLDER		
635	1B		J19-3752-14	UNIT HOLDER	C6X6I6	
635	1B		J19-3752-14	UNIT HOLDER	E4E5Q6	
635	1B		J19-3752-14	UNIT HOLDER	M6	
635	1B		J19-5787-04	UNIT HOLDER	V6	
△ 638	1C		J42-0083-05	POWER CORD BUSHING		
-			J61-0307-05	WIRE BAND		
640	2A		K27-2185-04	KNOB (BUTTON) PUSH	V6	
640	2A		K27-2275-04	KNOB (BUTTON) PUSH	C6X6I6	
640	2A		K27-2275-04	KNOB (BUTTON) PUSH	E4E5Q6	
640	2A		K27-2275-04	KNOB (BUTTON) PUSH	M6	
642	2B		K29-7310-03	KNOB TUNER	I6	
642	2B		K29-7310-03	KNOB TUNER	M6C6X6	
642	2B		K29-7311-03	KNOB RDS	E4E5Q6	
642	2B		K29-7366-03	KNOB TUNER	V6	
643	2A		K29-7306-14	KNOB D54	V6	
643	2A		K29-7312-04	KNOB D54	C6X6I6	
643	2A		K29-7312-04	KNOB D54	E4E5Q6	
643	2A		K29-7312-04	KNOB D54	M6	
644	2A		K29-7307-14	KNOB D33	V6	
644	2A		K29-7313-04	KNOB D33	C6X6I6	
644	2A		K29-7313-04	KNOB D33	E4E5Q6	

L : Scandinavia

K : USA

P : Canada

R : Mexico

C : China

I : Malaysia

Y : PX(Far East, Hawaii)

T : Europe

E : Europe

G : Germany

V : China(Shanghai)

Y : AAFES(Europe)

X : Australia

Q : Russia

H : Korea

M : Other Areas

△ indicates safety critical components.

* 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.

④

Ref. No	Add- ress	New Parts	Parts No.	Description	Desti- nation	Re- marks
644	2A		K29-7313-04	KNOB D33	M6	
645	2B		K29-7309-02	KNOB POWER	C6X6I6	
645	2B		K29-7309-02	KNOB POWER	E4E5Q6	
645	2B		K29-7309-02	KNOB POWER	M6	
645	2B		K29-7365-12	KNOB POWER	V6	
△ 647	1B	*	L07-2702-05	POWER TRANSFORMER	M6I6	
△ 647	1B	*	L07-2703-05	POWER TRANSFORMER	X6	
△ 647	1B	*	L07-2704-05	POWER TRANSFORMER	E4E5	
△ 647	1B	*	L07-2705-05	POWER TRANSFORMER	Q6C6	
△ 647	1B		L07-2709-05	POWER TRANSFORMER	V6	
650	1A		T90-0833-05	LOOP ANTENNA		
651	1A		T90-0836-05	LEAD WIRE ANTENNA		
KRF-V5020/V5020E/V5020W/V5020(S)						
601	1A		A01-3650-01	METALLIC CABINET	E2	
601	1A	*	A01-3687-01	METALLIC CABINET	E1E3T5	
601	1A	*	A01-3687-01	METALLIC CABINET	Q5Y5M5	
601	1A	*	A01-3687-01	METALLIC CABINET	X5I5	
602	1A	*	A09-1123-08	BATTERY COVER		
605	2B	*	A60-1598-01	PANEL	E2	
605	2B	*	A60-1604-01	PANEL	Y5	
605	2B	*	A60-1605-01	PANEL	M5X5I5	
605	2B	*	A60-1606-01	PANEL	E1E3T5	
605	2B	*	A60-1606-01	PANEL	Q5	
606	1A	*	A70-1264-05	REMOTE CONTROLLER(RC-R0711)	I5	
606	1A	*	A70-1264-05	REMOTE CONTROLLER(RC-R0711)	Y5M5X5	
606	1A	*	A70-1265-05	REMOTE CONTROLLER(RC-R0710)	E1E2E3	
606	1A	*	A70-1265-05	REMOTE CONTROLLER(RC-R0710)	T5Q5	
610	2A		B10-3425-02	FRONT GLASS		
611	2A		B12-0341-04	INDICATOR		
612	2A		B43-0302-04	KENWOOD BADGE		
-			B46-0096-53	WARRANTY CARD	X5	
-			B46-0310-03	WARRANTY CARD	E1E2E3	
-			B46-0310-03	WARRANTY CARD	T5Q5	
-			B46-0330-03	WARRANTY CARD	Y5	
-			B58-0513-04	CAUTION CARD (PRESET220-240)	Y5	
-			B58-0945-03	CAUTION CARD	T5	
-			B58-0964-13	CAUTION CARD (UL)	Y5	
-			B58-0965-13	CAUTION CARD (T,X/PL)	T5X5	
-			B58-0966-13	CAUTION CARD (ELM/PL)	E1E2M5	
-			B58-0966-13	CAUTION CARD (ELM/PL)	I5	
-			B58-1526-03	CAUTION CARD (P4,ORI,A4,1(Q)	Q5	
-			B58-1607-03	CAUTION CARD	E3	
-			B59-1104-00	SERVICE DIRECTORY	Y5	
-			B60-4132-00	INSTRUCTION MANUAL(TC)	I5	
-			B60-4152-00	INSTRUCTION MANUAL(EN)	I5	
-			B60-4152-00	INSTRUCTION MANUAL(EN)	Y1M5X5	
-		*	B60-4154-00	INSTRUCTION MANUAL(ES/TC)	M5	
-			B60-4155-00	INSTRUCTION MANUAL(EN)	E3T5Q5	
-			B60-4156-00	INSTRUCTION MANUAL(FR/EN)	E1E2	
-			B60-4157-00	INSTRUCTION MANUAL(IT/ES)	E1E2	
-			B60-4158-00	INSTRUCTION MANUAL(GE)	E1E2	
-			B60-4159-00	INSTRUCTION MANUAL(PL)	E3	
-			B60-4160-00	INSTRUCTION MANUAL(HU/CZ)	E3	
-			B60-4161-00	INSTRUCTION MANUAL(RU)	Q5	

L : Scandinavia

K : USA

P : Canada

R : Mexico

C : China

I : Malaysia

Y : PX(Far East, Hawaii)

T : Europe

E : Europe

G : Germany

V : China(Shanghai)

Y : AAFES(Europe)

X : Australia

Q : Russia

H : Korea

M : Other Areas

△ indicates safety critical components.

PARTS LIST

KRF-V5020/V6020/V7020/NR-305/306/355

* 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.

5

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
Δ 619	1A		E03-0115-05	AC PLUG ADAPTER	M5I5	
Δ 620	1C		E30-2592-15	AC POWER CORD	E1E2E3	
Δ 620	1C		E30-2592-15	AC POWER CORD	Q5M5I5	
Δ 620	1C		E30-2605-05	AC POWER CORD	Y5	
Δ 620	1C		E30-2717-05	AC POWER CORD	X5	
Δ 620	1C		E30-2721-05	AC POWER CORD	T5	
Δ 621	2B, 1C		E35-2017-05	FLAT CABLE 13P		
Δ 622	2B, 1C		E35-2042-05	FLAT CABLE 27P		
Δ F1			F05-3121-05	FUSE (SEMKO) (250V T3.15AL)		
Δ F2			F05-3121-05	FUSE (SEMKO) (250V T3.15AL)	Y5M5I5	
Δ F3			F05-2525-05	FUSE (SEMKO) (250V T2.5AL)	E1E2E3	
Δ F3			F05-2525-05	FUSE (SEMKO) (250V T2.5AL)	Q5	
628	2B		G11-2416-04	CUSHION		
-			H10-7552-02	POLYSTYRENE FOAMED FIXTURE(L)		
-			H10-7553-02	POLYSTYRENE FOAMED FIXTURE(R)		
-			H25-0232-04	PROTECTION BAG (235X350X0.03)	E1E2E3	
-			H25-0232-04	PROTECTION BAG (235X350X0.03)	Q5Y5M5	
-			H25-0232-04	PROTECTION BAG (235X350X0.03)	X5I5	
-			H25-0391-04	PROTECTION BAG		
-			H25-0651-04	PROTECTION BAG (0232)	T5	
-		*	H50-3243-04	ITEM CARTON CASE	E1T5Y5	
-		*	H50-3243-04	ITEM CARTON CASE	X5	
-		*	H50-3244-04	ITEM CARTON CASE	M5I5	
-		*	H50-3245-04	ITEM CARTON CASE	E3	
-		*	H50-3246-04	ITEM CARTON CASE	Q5	
-		*	H50-3257-04	ITEM CARTON CASE	E2	
633	2C		J02-1168-03	FOOT GOLD	E1E2E3	
633	2C		J02-1168-03	FOOT GOLD	T5Q5M5	
633	2C		J02-1168-03	FOOT GOLD	X5I5	
633	2C		J02-1407-03	FOOT TIN (D=46,H=14.5,T)	Y5	
634	2B		J19-2808-05	HOLDER		
635	1B		J19-3752-14	UNIT HOLDER		
Δ 638	1C		J42-0083-05	POWER CORD BUSHING		
-			J61-0307-05	WIRE BAND		
640	2A		K27-2275-04	KNOB (BUTTON) PUSH	E1E3T5	
640	2A		K27-2275-04	KNOB (BUTTON) PUSH	I5	
640	2A		K27-2275-04	KNOB (BUTTON) PUSH	Q5M5X5	
640	2A		K27-2293-04	KNOB (BUTTON) PUSH,GOLD	Y5	
640	2A		K27-2312-04	KNOB (BUTTON) PUSH,SILVER	E2	
642	2B		K29-7310-03	KNOB TUNER	M5X5I5	
642	2B		K29-7311-03	KNOB RDS	E1E3T5	
642	2B		K29-7311-03	KNOB RDS	Q5	
642	2B		K29-7323-03	KNOB TUNER,GOLD	Y5	
642	2B		K29-7428-03	KNOB TUNER,SILVER	E2	
643	2A		K29-7312-04	KNOB D54	E1E3T5	
643	2A		K29-7312-04	KNOB D54	I5	
643	2A		K29-7312-04	KNOB D54	Q5M5X5	
643	2A		K29-7325-04	KNOB D54,GOLD	Y5	
643	2A		K29-7429-04	KNOB D54,SILVER	E2	
644	2A		K29-7313-04	KNOB D33	E1E3T5	
644	2A		K29-7313-04	KNOB D33	I5	
644	2A		K29-7313-04	KNOB D33	Q5M5X5	
644	2A		K29-7326-04	KNOB D33,GOLD	Y5	
644	2A		K29-7430-04	KNOB D33,SILVER	E2	

L : Scandinavia

K : USA

P : Canada

R : Mexico

C : China

I : Malaysia

Y : PX(Far East, Hawaii)

T : Europe

E : Europe

G : Germany

V : China(Shanghai)

Y : AAFES(Europe)

X : Australia

Q : Russia

H : Korea

M : Other Areas

Δ indicates safety critical components.

* 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.

6

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
645	2B		K29-7309-02	KNOB POWER	E1E3T5	
645	2B		K29-7309-02	KNOB POWER	I5	
645	2B		K29-7309-02	KNOB POWER	Q5M5X5	
645	2B		K29-7321-02	KNOB POWER,GOLD	Y5	
645	2B		K29-7427-02	KNOB POWER,SILVER	E2	
Δ 647	1B		L07-2702-05	POWER TRANSFORMER	Y5M5I5	
Δ 647	1B		L07-2703-05	POWER TRANSFORMER	X5	
Δ 647	1B		L07-2704-05	POWER TRANSFORMER	E1E2E3	
Δ 647	1B		L07-2704-05	POWER TRANSFORMER	T5	
Δ 647	1B		L07-2705-05	POWER TRANSFORMER	Q5	
650	1A		T90-0833-05	LOOP ANTENNA		
651	1A		T90-0836-05	LEAD WIRE ANTENNA		
VR-305/306/355						
601	1A		A01-3533-01	METALLIC CABINET		
602	1A		A09-0366-08	BATTERY COVER	K3P3	
602	1A	*	A09-1123-08	BATTERY COVER	K1P1K2	
602	1A	*	A09-1123-08	BATTERY COVER	P2	
605	1B	*	A60-1596-01	PANEL	K1P1	
605	1B	*	A60-1603-01	PANEL	K2P2	
605	1B	*	A60-1607-01	PANEL	K3P3	
606	1A	*	A70-1264-05	REMOTE CONTROLLER(RC-R0711)	K1P1K1	
606	1A	*	A70-1264-05	REMOTE CONTROLLER(RC-R0711)	P2	
606	1A	*	A70-1271-05	REMOTE CONTROLLER(RC-R0608)	K3P3	
610	2A		B10-2439-02	FRONT GLASS		
611	2A		B12-0334-14	INDICATOR		
612	2A		B43-0302-04	KENWOOD BADGE		
-			B46-0197-00	QUESTIONNAIRE CARD	K1K2K3	
-			B46-0330-03	WARRANTY CARD	K1K2K3	
-			B46-0336-03	WARRANTY CARD	P1P2P3	
-			B58-0964-13	CAUTION CARD (UL)	K1K2K3	
-			B58-0967-03	CAUTION CARD (P/PL)	P1P2P3	
-		*	B60-4144-00	INSTRUCTION MANUAL(EN)RC	K3P3	
-		*	B60-4145-00	INSTRUCTION MANUAL(FR)RC	P3	
-		*	B60-4152-00	INSTRUCTION MANUAL(EN)		
-		*	B60-4153-00	INSTRUCTION MANUAL(FR)	P1P2P3	
Δ 620	1C	*	E30-2909-05	AC POWER CORD		
621	2B, 1C		E35-2017-05	FLAT CABLE 13P		
622	2B, 1C		E35-2042-05	FLAT CABLE 27P		
Δ F1			F50-0077-05	FUSE(5X20)		
628	2B	*	G11-2415-04	CUSHION		
-		*	H10-7554-02	POLYSTYRENE FOAMED FIXTURE(L)		
-		*	H10-7555-02	POLYSTYRENE FOAMED FIXTURE(R)		
-			H25-0232-04	PROTECTION BAG (235X350X0.03)		
-		*	H25-0391-04	PROTECTION BAG	K1P1	
-		*	H50-3232-04	ITEM CARTON CASE		
-		*	H50-3242-04	ITEM CARTON CASE	K2P2	
-		*	H50-3247-04	ITEM CARTON CASE	K3P3	
633	2C		J02-1405-03	FOOT (D=46,H=14.5,T)		
634	2B		J19-2808-05	HOLDER		
635	1B		J19-5787-04	UNIT HOLDER		
Δ 638	1C		J42-0083-05	POWER CORD BUSHING		
-			J61-0307-05	WIRE BAND		

L : Scandinavia

K : USA

P : Canada

R : Mexico

C : China

I : Malaysia

Y : PX(Far East, Hawaii)

T : Europe

E : Europe

G : Germany

V : China(Shanghai)

Y : AAFES(Europe)

X : Australia

Q : Russia

H : Korea

M : Other Areas

Δ indicates safety critical components.

PARTS LIST

KRF-V5020/V6020/V7020/VR-305/306/355

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.

7

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
640	2A		K29-6939-12	KNOB		
642	2B		K29-6898-03	KNOB TUNER		
643	2A		K29-6880-04	KNOB D54		
644	2A		K29-6881-04	KNOB D33		
△ 647	1B	*	L07-2697-05	POWER TRANSFORMER	K1P1	
△ 647	1B	*	L07-2701-05	POWER TRANSFORMER	K2P2K3	
△ 647	1B	*	L07-2701-05	POWER TRANSFORMER	P3	
650	1A		T90-0833-05	LOOP ANTENNA		
651	1A		T90-0836-05	LEAD WIRE ANTENNA		
POWER SUPPLY (X00-2880-10/X00-2890-10/X00-2902-70)						
C5, 6			CK45FF1H103Z	CERAMIC 0.010UF	Z	
C7			CE04DW1E331M	ELECTRO 330UF	25WV	
C8			CK45FB1H102K	CERAMIC 1000PF	K	
C9			CK45FF1H103Z	CERAMIC 0.010UF	Z	
C10			CE04KW1C470M	ELECTRO 47UF	16WV	
C11			CE04KW1V4R7M	ELECTRO 4.7UF	35WV	
C13, 14			CC45FSL1H101J	CERAMIC 100PF	J	KPXCET
C13, 14			CC45FSL1H101J	CERAMIC 100PF	J	QMIY
C13, 14			CC45FSL1H151J	CERAMIC 150PF	J	V
C21, 22			CC45FSL1H221J	CERAMIC 220PF	J	
C23~25			CK45FF1H472Z	CERAMIC 4700PF	Z	67
C26			C91-1488-05	MF 6800PF	250VAC	V
CN1			E40-4245-05	PIN ASSY		EQXTCV
CN2			E40-4245-05	PIN ASSY		KP
CN2			E40-4245-05	PIN ASSY		EQXTCV
CN3			E40-4245-05	PIN ASSY		YMI
CN3			E40-4245-05	PIN ASSY		
CN4			E40-8197-05	SOCKET FOR PIN ASSY		
CN11			E40-4261-05	PIN ASSY		YMI
CN12, 13			E40-3247-05	PIN ASSY		
CN14			E40-4101-05	PIN ASSY		67
△ J1			E03-0149-05	AC OUTLET		EQMI
△ J1			E03-0310-05	AC OUTLET		T
△ J1			E03-0325-05	AC OUTLET		X
△ J1			E03-0361-05	AC OUTLET		CV
J2			E11-0127-05	PHONE JACK (3P)		ETQMIY
J2			E11-0127-05	PHONE JACK (3P)		XC
J2			E11-0295-05	PHONE JACK (3P)		KPV
J3			E11-0293-05	MINIATURE PHONE JACK(2P)		ETQMIYXC
J3			E11-0347-05	MINIATURE PHONE JACK(2P)		KPV
J4			E70-0100-05	SCREW TERMINAL BOARD		67
CN5, 6			J13-0075-05	FUSE CLIP		
CN7, 8			J13-0075-05	FUSE CLIP		YMI
CN9, 10			J13-0075-05	FUSE CLIP		EQ
E1			J11-0808-05	WIRE CLAMPER		
△ T1			L07-2127-05	POWER TRANSFORMER	KP	
△ T1			L07-2129-05	POWER TRANSFORMER	V	
△ T1			L07-2568-05	POWER TRANSFORMER	YMI	
△ T1			L07-2569-05	POWER TRANSFORMER	EQXTC	
△ R1			R92-1844-05	CARBON 3.3M	J 1/2W	KP
△ K1			S76-0070-05	MAGNETIC RELAY		
△ S1			S68-0088-05	PUSH SWITCH		V

L : Scandinavia

Y : PX(Far East, Hawaii)

Y : AAFES(Europe)

K : USA

T : Europe

X : Australia

P : Canada

E : Europe

Q : Russia

R : Mexico

G : Germany

H : Korea

C : China

V : China(Shanghai)

M : Other Areas

I : Malaysia

△ indicates safety critical components.

* 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.

8

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
△ S1			S68-0100-05	PUSH SWITCH	EQXTC	
△ S1			S68-0100-05	PUSH SWITCH	YMI	
△ S2, 3			S62-0001-05	SLIDE SWITCH	YMI	
△ S4			S62-0034-05	SLIDE SWITCH		
△ D1~4			S5688B	DIODE		
△ D1~4			1SR139-400	DIODE		
△ D5			HZS6.2N(B2)	ZENER DIODE		
△ D5			MTZJ6.2(B)	ZENER DIODE		
△ D5			RD6.2ES(B2)	ZENER DIODE		
△ D6, 7			HSS104A	DIODE		
△ D6, 7			1SS133	DIODE		
△ D8			HZS2.7N(B2)	ZENER DIODE		
△ D8			MTZJ2.7(B)	ZENER DIODE		
△ D8			RD2.7ES(B2)	ZENER DIODE		
△ D9			HSS104A	DIODE		
△ D9			1SS133	DIODE		
△ Q1			2SC3940A(R,S)	TRANSISTOR		
△ Q2			2SC2003(L,K)	TRANSISTOR		
TUNER (X05-4982-71/X05-5050-10/X05-5062-11)						
C1			CK73FB1H223K	CHIP C	0.022UF	K
C2			CK73FB1H103K	CHIP C	0.010UF	K
C3			CK73FB1H103K	CHIP C	0.010UF	K
C5, 6			CK73FB1H103K	CHIP C	0.010UF	K
C7			CE04LW1C470M	ELECTRO	47UF	16WV
C8			CK73EB1H103K	CHIP C	0.010UF	K
C8			CK73EB1H103K	CHIP C	0.010UF	K
C10			CE04LW1C470M	ELECTRO	47UF	16WV
C11, 12			CK73FB1H473K	CHIP C	0.047UF	K
C14			CE04LW1C100M	ELECTRO	10UF	16WV
C15			CE04LW1H010M	ELECTRO	1.0UF	50WV
C16			C90-3251-05	ELECTRO	0.47UF	50WV
C17			CE04LW1H010M	ELECTRO	1.0UF	50WV
C18			CC73FCH1H470J	CHIP C	47PF	J
C19			C90-3217-05	ELECTRO	10UF	10WV
C20			CK73FB1H473K	CHIP C	0.047UF	K
C21			C90-3241-05	ELECTRO	3.3UF	35WV
C22			CK73FB1H473K	CHIP C	0.047UF	K
C23			CE04LW1C100M	ELECTRO	10UF	16WV
C24			CK73FB1H331K	CHIP C	330PF	K
C25			CC73FCH1H181J	CHIP C	180PF	J
C25			CC73FCH1H471J	CHIP C	470PF	J
C25			CC73FCH1H471J	CHIP C	470PF	J
C26			CK73FB1H183K	CHIP C	0.018UF	K
C26			CK73FB1H223K	CHIP C	0.022UF	K
C26			CK73FB1H223K	CHIP C	0.022UF	K
C27			CE04HW1E4R7M	NP-ELEC	4.7UF	25WV
C28, 29			CE04LW1H2R2M	ELECTRO	2.2UF	50WV
C30, 31			CK73FB1H223K	CHIP C	0.022UF	K
C30, 31			CK73FB1H223K	CHIP C	0.022UF	K
C30, 31			CK73FB1H333K	CHIP C	0.033UF	K
C32			CE04LW1V4R7M	ELECTRO	4.7UF	35WV
C33, 34			CK73FB1H103K	CHIP C	0.010UF	K
C35			CK73FB1H332K	CHIP C	3300PF	K
C35			CK73FB1H332K	CHIP C	3300PF	K

L : Scandinavia

Y : PX(Far East, Hawaii)

Y : AAFES(Europe)

K : USA

T : Europe

X : Australia

P : Canada

E : Europe

Q : Russia

R : Mexico

G : Germany

H : Korea

C : China

V : China(Shanghai)

M : Other Areas

I : Malaysia

△ indicates safety critical components.

* 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.

9

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C36			CK73FB1H103K	CHIP C 0.010UF K		
C37, 38			CE04LW1C100M	ELECTRO 10UF 16WV		
C39			CC73FCH1H060D	CHIP C 6.0PF D		
C40			CC73FCH1H020C	CHIP C 2.0PF C		
C41			CC73FCH1H220J	CHIP C 22PF J		
C42			CC73FCH1H120J	CHIP C 12PF J	EQTM CX	
C42			CC73FCH1H120J	CHIP C 12PF J	YI	
C42			CC73FCH1H270J	CHIP C 27PF J	KPV	
C43			CC73FCH1H100D	CHIP C 10PF D	EQTM CX	
C43			CC73FCH1H100D	CHIP C 10PF D	YI	
C43			CC73FCH1H220J	CHIP C 22PF J	KPV	
C44			CK73FB1H471K	CHIP C 470PF K		
C45			CC73FCH1H220J	CHIP C 22PF J		
C46			CE04LW1C100M	ELECTRO 10UF 16WV		
C47			CK73FB1H102K	CHIP C 1000PF K		
C48			CE04LW1C470M	ELECTRO 47UF 16WV		
C49			CE04LW1H2R2M	ELECTRO 2.2UF 50WV		
C50			CC73FSL1H101J	CHIP C 100PF J		
C51			CK73FB1H471K	CHIP C 470PF K		
C52			CC73FSL1H101J	CHIP C 100PF J		
C70, 71			CK73FB1H822K	CHIP C 8200PF K	EQT	
C72			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C73			CE04LW1C470M	ELECTRO 47UF 16WV		
C74			CK73FB1H102K	CHIP C 1000PF K	KP	
C75			CC73FCH1H040C	CHIP C 4.0PF C		
C76			CC73FCH1H470J	CHIP C 47PF J		
C78			CK73FB1H223K	CHIP C 0.022UF K		
C79, 80			CK73FB1H472K	CHIP C 4700PF K	EQT	
C81			CK73FF1C105Z	CHIP C 1.0UF Z		
C82			CK73FB1H103K	CHIP C 0.010UF K	EQT	
C83			CC73FSL1H101J	CHIP C 100PF J		
C84, 85			CK73FB1H223K	CHIP C 0.022UF K		
C86			CK73FB1H471K	CHIP C 470PF K		
C88			CK73FB1H332K	CHIP C 3300PF K		
C89, 90			CK73FB1H472K	CHIP C 4700PF K	KP	
C89, 90			CK73FF1C105Z	CHIP C 4700PF K	MCXYIV	
C91			CK73FF1C105Z	CHIP C 1.0UF Z		
CN1			E40-9831-05	SOCKET FOR PIN ASSY		
CN2			E40-4871-05	PIN ASSY	EQT	
J1			E20-0321-05	LOCK TERMINAL BOARD(2P,F)	EQTM CX	
J1			E20-0321-05	LOCK TERMINAL BOARD(2P,F)	YI	
J1			E70-0052-05	LOCK TERMINAL BOARD	EQTM CX	
J1			E70-0052-05	LOCK TERMINAL BOARD	YI	
J1			E70-0080-05	LOCK TERMINAL BOARD	KPV	
CF1, 2			L72-0531-05	CERAMIC FILTER	MCXYIV	
CF1, 2			L72-0536-05	CERAMIC FILTER	EQT	
CF1, 2			L72-0596-05	CERAMIC FILTER	KP	
CF3			L72-0607-05	CERAMIC FILTER	KP	
CF3			L72-0607-05	CERAMIC FILTER	MCXYIV	
L1			L39-1366-05	COMBINATION COIL		
L2			L40-1091-17	SMALL FIXED INDUCTOR(1UH)		
L3			L30-0911-05	AM IFT		
L4			L30-0950-05	FM IFT	EQT	
L5			L30-0951-05	FM IFT	EQT	

L : Scandinavia

Y : PX(Far East, Hawaii)

Y : AAFES(Europe)

K : USA

T : Europe

X : Australia

P : Canada

E : Europe

Q : Russia

R : Mexico

G : Germany

H : Korea

C : China

V : China(Shanghai)

M : Other Areas

I : Malaysia

⚠ indicates safety critical components.

* 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.

10

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
L6, 7			L79-1239-05	LC FILTER	EQT	
L9			L40-1001-17	SMALL FIXED INDUCTOR(10UH,K)	EQXTMC	
L9			L40-1001-17	SMALL FIXED INDUCTOR(10UH,K)	YI	
L9			L40-1001-82	SMALL FIXED INDUCTOR(10UH)	KPV	
X1			L77-2187-05	CRYSTAL RESONATOR	KPV	
X1			L77-2232-05	CRYSTAL RESONATOR	EQTM CX	
X1			L77-2232-05	CRYSTAL RESONATOR	YI	
R1			RK73FB2A101J	CHIP R 100 J 1/10W		
R4			RK73FB2A681J	CHIP R 680 J 1/10W		
R5			RK73FB2A332J	CHIP R 3.3K J 1/10W		
R6			RK73FB2A221J	CHIP R 220 J 1/10W		
R7			RK73FB2A821J	CHIP R 820 J 1/10W		
R8			RK73FB2A100J	CHIP R 10 J 1/10W	EQT	
R8			RK73FB2A330J	CHIP R 33 J 1/10W	KP	
R8			RK73FB2A330J	CHIP R 33 J 1/10W	MCXYIV	
R9			RK73FB2A391J	CHIP R 390 J 1/10W		
R10			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R11			RK73FB2A220J	CHIP R 22 J 1/10W	EQT	
R11			RK73FB2A330J	CHIP R 33 J 1/10W	KP	
R11			RK73FB2A330J	CHIP R 33 J 1/10W	MCXYIV	
R12			RK73FB2A101J	CHIP R 100 J 1/10W		
R14			RK73FB2A101J	CHIP R 100 J 1/10W	EQT	
R14			RK73FB2A271J	CHIP R 270 J 1/10W	KP	
R14			RK73FB2A271J	CHIP R 270 J 1/10W	MCXYIV	
R15			RK73FB2A333J	CHIP R 33K J 1/10W	EQT	
R16			RK73FB2A220J	CHIP R 22 J 1/10W		
R17			RK73FB2A362J	CHIP R 3.6K J 1/10W		
R18			RK73FB2A302J	CHIP R 3.0K J 1/10W		
R19			RK73FB2A822J	CHIP R 8.2K J 1/10W		
R20			RK73FB2A392J	CHIP R 3.9K J 1/10W		
R23			RK73FB2A153J	CHIP R 15K J 1/10W	EQT	
R23			RK73FB2A332J	CHIP R 3.3K J 1/10W	KP	
R23			RK73FB2A332J	CHIP R 3.3K J 1/10W	MCXYIV	
R25			RK73FB2A183J	CHIP R 18K J 1/10W	KP	
R25			RK73FB2A183J	CHIP R 18K J 1/10W	MCXYIV	
R25			RK73FB2A273J	CHIP R 27K J 1/10W	EQT	
R27, 28			RK73FB2A432J	CHIP R 4.3K J 1/10W	EQT	
R27, 28			RK73FB2A752J	CHIP R 7.5K J 1/10W	KP	
R27, 28			RK73FB2A752J	CHIP R 7.5K J 1/10W	MCXYIV	
R30			RK73FB2A561J	CHIP R 560 J 1/10W	MCIYV	
R31			RK73FB2A473J	CHIP R 47K J 1/10W	MCIYV	
R32			RK73FB2A272J	CHIP R 2.7K J 1/10W	KP	
R32			RK73FB2A272J	CHIP R 2.7K J 1/10W	MCXYIV	
R33, 34			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R35			RK73FB2A101J	CHIP R 100 J 1/10W	EQT	
R36			RK73FB2A102J	CHIP R 1.0K J 1/10W	EQT	
R37			RK73FB2A392J	CHIP R 3.9K J 1/10W	EQT	
R38			RK73FB2A102J	CHIP R 1.0K J 1/10W	EQT	
R39			RK73FB2A103J	CHIP R 10K J 1/10W	EQT	
R42			RK73FB2A103J	CHIP R 10K J 1/10W		
R43			RK73FB2A221J	CHIP R 220 J 1/10W		
R44			RD14NB2E271J	RD 270 J 1/4W		
R45			RK73EB2B102J	CHIP R 1.0K J 1/8W		
R46			RK73FB2A102J	CHIP R 1.0K J 1/10W		

⚠

L : Scandinavia

Y : PX(Far East, Hawaii)

Y : AAFES(Europe)

K : USA

T : Europe

X : Australia

P : Canada

E : Europe

Q : Russia

R : Mexico

G : Germany

H : Korea

C : China

V : China(Shanghai)

M : Other Areas

I : Malaysia

⚠ indicates safety critical components.

KRF-V5020/V6020/V7020/VR-305/306/355
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.

11

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
R47			RK73EB2B102J	CHIP R 1.0K J 1/8W		
R48			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R49			RK73FB2A103J	CHIP R 10K J 1/10W		
R50			RD14NB2E471J	RD 470 J 1/4W		
R51			RK73FB2A562J	CHIP R 5.6K J 1/10W		
R52			RK73FB2A101J	CHIP R 100 J 1/10W		
R53			RK73FB2A222J	CHIP R 2.2K J 1/10W		
R54			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R55			RK73FB2A333J	CHIP R 33K J 1/10W		
R56, 57			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R58			RK73FB2A123J	CHIP R 12K J 1/10W		
R59			RK73FB2A122J	CHIP R 1.2K J 1/10W		
R72, 73			RK73FB2A153J	CHIP R 15K J 1/10W	KP	
R72, 73			RK73FB2A392J	CHIP R 3.9K J 1/10W	EQT	
R72, 73			RK73FB2A822J	CHIP R 8.2K J 1/10W	MCXYIV	
R74			RK73FB2A473J	CHIP R 47K J 1/10W		
R75			RK73FB2A822J	CHIP R 8.2K J 1/10W		
R76			RK73FB2A182J	CHIP R 1.8K J 1/10W		
R78			RK73FB2A821J	CHIP R 820 J 1/10W		
R79			RK73FB2A332J	CHIP R 3.3K J 1/10W		
R80			RK73FB2A223J	CHIP R 22K J 1/10W	EQT	
R81			RS14KB3A151J	FL-PROOF RS 150 J 1W		
R82			RK73FB2A272J	CHIP R 2.7K J 1/10W	EQT	
R83			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R84			RK73EB2B102J	CHIP R 1.0K J 1/8W		
R85-87			RK73FB2A105J	CHIP R 1.0M J 1/10W		
R88			RK73FB2A563J	CHIP R 56K J 1/10W		
R89			RK73FB2A333J	CHIP R 33K J 1/10W		
VR1			R32-0037-05	SEMI FIXED VARIABLE RESISTOR		
W51, 52			R92-0670-05	CHIP R 0 OHM		
W53			R92-0670-05	CHIP R 0 OHM	EQTMXC	
W53			R92-0670-05	CHIP R 0 OHM	YI	
W54, 55			R92-0670-05	CHIP R 0 OHM		
W56			R92-0670-05	CHIP R 0 OHM	MCXYIV	
W59			R92-0670-05	CHIP R 0 OHM		
W60			R92-0670-05	CHIP R 0 OHM		
W62			R92-0670-05	CHIP R 0 OHM	EQT	
W80			R92-0679-05	CHIP R 0 OHM		
W82, 83			R92-0679-05	CHIP R 0 OHM	KP	
W82, 83			R92-0679-05	CHIP R 0 OHM	MCXYIV	
W84, 85			R92-0679-05	CHIP R 0 OHM		
D1			DA204U	DIODE		
D1			MA143A	DIODE		
D1			1SS302	DIODE		
D3			HZS8.2N(B2)	ZENER DIODE		
D3			MTZJ8.2(B)	ZENER DIODE		
D3			RD8.2ES(B2)	ZENER DIODE		
D4			HZS5.1N(B2)	ZENER DIODE		
D4			MTZJ5.1(B)	ZENER DIODE		
D4			RD5.1ES(B2)	ZENER DIODE		
D5			HZS2.7N(B2)	ZENER DIODE		
D5			MTZJ2.7(B)	ZENER DIODE		
D5			RD2.7ES(B2)	ZENER DIODE		
D8			MA111	DIODE		

L : Scandinavia K : USA P : Canada R : Mexico C : China I : Malaysia
Y : PX(Far East, Hawaii) T : Europe E : Europe G : Germany V : China(Shanghai)
Y : AAFES(Europe) X : Australia Q : Russia H : Korea M : Other Areas ▲ indicates safety critical components.

* 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.

12

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
D9			HZS3.3N(B2)	ZENER DIODE		
D9			MTZJ3.3(B)	ZENER DIODE		
D9			RD3.3ES(B2)	ZENER DIODE		
D11			MA111	DIODE	EQT	
D13			MA111	DIODE		
IC1			LA1837	ANALOGUE IC		
IC1			LA1838	ANALOGUE IC	EQT	
IC1			LA1838	ANALOGUE IC	KP	
IC2			LC72131	MOS-IC	MCXYIV	
Q1			2SC4081(R,S)	TRANSISTOR		
Q1			2SD1819A(Q,R)	TRANSISTOR		
Q2			2SA1576A(R,S)	TRANSISTOR		
Q2			2SB1218A(Q,R)	TRANSISTOR		
Q3, 4			2SC4081(R,S)	TRANSISTOR	MCXYIV	
Q3, 4			2SD1819A(Q,R)	TRANSISTOR	MCXYIV	
Q6, 7			2SC4081(R,S)	TRANSISTOR		
Q6, 7			2SD1819A(Q,R)	TRANSISTOR	EQT	
Q10, 11			2SD1757K	TRANSISTOR	EQT	
Q12			2SA1576A(R,S)	TRANSISTOR		
Q12			2SB1218A(Q,R)	TRANSISTOR		
Q14			2SA1576A(R,S)	TRANSISTOR		
Q14			2SB1218A(Q,R)	TRANSISTOR		
A1			W02-2584-05	FM FRONT-END ASSY	ET	
A1			W02-2586-05	FM FRONT-END ASSY	KP	
A1			W02-2622-05	FM FRONT-END ASSY	Q	
A1			W02-2622-05	FM FRONT-END ASSY	MCXYIV	
POWER (X09-6242-70/X09-6262-70/X09-6352-10/X09-6300-10)						
D527			B30-2545-05	LED(RED3(160))		
C1, 2			CC73FSL1H220J	CHIP C 22PF J		
C3, 4			CE04KW1C100M	ELECTRO 10UF 16WV		
C5, 6			CC73FSL1H820J	CHIP C 82PF J		
C7, 8			CE04KW1A470M	ELECTRO 47UF 10WV		
C11, 12			CQ93FMG1H123J	MYLAR 0.012UF J		
C13, 14			CQ93FMG1H332J	MYLAR 3300PF J		
C15, 16			CE04KW1V4R7M	ELECTRO 4.7UF 35WV		
C17			CC45FSL1H101J	CERAMIC 100PF J		
C18			CK45FF1H103Z	CERAMIC 0.010UF Z		
C19-36			CC73FSL1H221J	CHIP C 220PF J		
C37-41			CC73FCH1H470J	CHIP C 47PF J		
C42, 43			CK73FB1H103K	CHIP C 0.010UF K		
C44			CC73FSL1H471J	CHIP C 470PF J		
C45, 46			CE04KW1H2R2M	ELECTRO 2.2UF 50WV		
C47, 48			CC73FSL1H680J	CHIP C 68PF J		
C51			CK45FB1H391K	CERAMIC 390PF K		
C52			CK45FF1H103Z	CERAMIC 0.010UF Z		
C53, 54			CC73FSL1H101J	CHIP C 100PF J		
C55, 56			CE04KW1C220M	ELECTRO 22UF 16WV		
C61-63			CE04KW1C100M	ELECTRO 10UF 16WV		
C93, 94			CK45FF1H103Z	CERAMIC 0.010UF Z		
C95			CC73FSL1H471J	CHIP C 470PF J		
C98, 99			CE04KW1A101M	ELECTRO 100UF 10WV		
C100, 101			CE04KW1C100M	ELECTRO 10UF 16WV		
C104, 105			CK73FB1H153K	CHIP C 0.015UF K		

L : Scandinavia K : USA P : Canada R : Mexico C : China I : Malaysia
Y : PX(Far East, Hawaii) T : Europe E : Europe G : Germany V : China(Shanghai)
Y : AAFES(Europe) X : Australia Q : Russia H : Korea M : Other Areas ▲ indicates safety critical components.

PARTS LIST

KRF-V5020N/6020N/7020N/R-305/306/355

* 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.

13

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C106, 107 C108, 109 C110 C111~118 C119, 120			CE04KW1HR33M CQ93FMG1H822J CC73FSL1H471J CE04KW1V4R7M CE04KW1H3R3M	ELECTRO 0.33UF 50WV MYLAR 8200PF J CHIP C 470PF J ELECTRO 4.7UF 35WV ELECTRO 3.3UF 50WV		
C121 C122 C123~126 C127, 128 C129			CC73FSL1H221J CE04KW1H010M CC73FSL1H101J CE04KW1C100M CE04KW1C101M	CHIP C 220PF J ELECTRO 1.0UF 50WV CHIP C 100PF J ELECTRO 10UF 16WV ELECTRO 100UF 16WV		
C130 C131~134 C135 C136 C137			CE04KW1C470M CE04KW1C100M CK73FB1C104K CK73FB1H562K CE04KW1C100M	ELECTRO 47UF 16WV ELECTRO 10UF 16WV CHIP C 0.10UF K CHIP C 5600PF K ELECTRO 10UF 16WV		
C138 C139 C140, 141 C142 C143, 144			CE04KW1E221M CE04KW1C220M CK73FF1E104Z CK73FB1H681K CK73FF1E104Z	ELECTRO 220UF 25WV ELECTRO 22UF 16WV CHIP C 0.10UF Z CHIP C 680PF K CHIP C 0.10UF Z		
C145 C146 C147, 148 C149, 150 C151, 152			CK73FB1H681K CQ93FMG1H104J CQ93FMG1H223J CK73FB1C104K CQ93FMG1H473J	CHIP C 680PF K MYLAR 0.10UF J MYLAR 0.022UF J CHIP C 0.10UF K MYLAR 0.047UF J		
C153 C154 C155 C156, 157 C158			CK73FB1C104K CK73FF1C224Z CQ93FMG1H224J CE04KW1V4R7M CQ93FMG1H224J	CHIP C 0.10UF K CHIP C 0.22UF Z MYLAR 0.22UF J ELECTRO 4.7UF 35WV MYLAR 0.22UF J		
C159 C160 C161 C162 C163			CK73FF1C224Z CK73FF1C105Z CK73EB1E473K CK73FB1H562K CK73FB1H221K	CHIP C 0.22UF Z CHIP C 1.0UF Z CHIP C 0.047UF K CHIP C 5600PF K CHIP C 220PF K		
C164 C165 C169 C170 C171			CK73FB1H103K CK73FB1C104K CK73FB1H182K CK73FB1H103K CQ93FMG1H683J	CHIP C 0.010UF K CHIP C 0.10UF K CHIP C 1800PF K CHIP C 0.010UF K MYLAR 0.068UF J		
C172, 173 C174 C175 C176 C177			CQ93FMG1H104J CQ93FMG1H683J CQ93FMG1H182J CK73FB1H103K CE04KW1H010M	MYLAR 0.10UF J MYLAR 0.068UF J MYLAR 1800PF J CHIP C 0.010UF K ELECTRO 1.0UF 50WV		
C178 C181, 182 C183, 184 C193, 194 C195, 196			CE04KW1C220M CE04KW1V4R7M CC73FSL1H471J CE04KW1V4R7M CC73FSL1H471J	ELECTRO 22UF 16WV ELECTRO 4.7UF 35WV CHIP C 470PF J ELECTRO 4.7UF 35WV CHIP C 470PF J		
C197 C203 C204 C205 C206			CE04KW1V4R7M CC45FSL1H101J CK45FF1H103Z CE04KW1V4R7M CK45FB2H392K	ELECTRO 4.7UF 35WV CERAMIC 100PF J CERAMIC 0.010UF Z ELECTRO 4.7UF 35WV CERAMIC 3900PF K		

L : Scandinavia K : USA P : Canada R : Mexico C : China I : Malaysia
Y : PX(Far East, Hawaii) T : Europe E : Europe G : Germany V : China(Shanghai)
Y : AAFES(Europe) X : Australia Q : Russia H : Korea M : Other Areas Δ indicates safety critical components.

* 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.

14

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C207, 208 C212 C214 C215 C216, 217			CC73FSL1H471J CC73FSL1H101J CE04KW1H010M CE04HW1E220M CK73FB1H221K	CHIP C 470PF J CHIP C 100PF J ELECTRO 1.0UF 50WV NP-ELEC 22UF 25WV CHIP C 220PF K		
C218, 219 C220, 221 C222, 223 C222, 223 C222, 223			CE04KW1C100M CE04KW1A101M CC73FCH1H100D CC73FCH1H150J CC73FCH1H150J	ELECTRO 10UF 16WV ELECTRO 100UF 10WV CHIP C 10PF D CHIP C 15PF J CHIP C 15PF J	EQT KP MCXYIV	
C224, 225 C226 C227 C228, 229 C230, 231			CE04KW2A100M CK45FB2H392K CE04KW2A100M CE04KW1H470M CK45FB2H392K	ELECTRO 10UF 100WV CERAMIC 3900PF K ELECTRO 10UF 100WV ELECTRO 47UF 50WV CERAMIC 3900PF K		
C232 C233~235 C236~238 C239~241 C242~244			CE04KW2A100M CK73FB1H221K CE04KW1C100M CE04KW1A101M CC73FCH1H100D	ELECTRO 10UF 100WV CHIP C 220PF K ELECTRO 10UF 16WV ELECTRO 100UF 10WV CHIP C 10PF D	EQT	
C242~244 C242~244 C247, 248 C249, 250 C253~257			CC73FCH1H150J CC73FCH1H150J CE04KW2A100M CE04KW1H470M CK73FB1H102K	CHIP C 15PF J CHIP C 15PF J ELECTRO 10UF 100WV ELECTRO 47UF 50WV CHIP C 1000PF K	KP MCXYIV	
C268 C269 C270 C270~272 C271			CE04KW1V4R7M CE04KW0J221M CK73FB1H472K CK73FB1H472K CK73FB1H472K	ELECTRO 4.7UF 35WV ELECTRO 220UF 6.3WV CHIP C 4700PF K CHIP C 4700PF K CHIP C 4700PF K	5 KP Q5Y5M5	
C271 C272 C273, 274 C275, 276 C277~279			CK73FB1H472K CK73FB1H472K CK73FB1H472K CK73FB1H472K CK45FB1H102K	CHIP C 4700PF K CHIP C 4700PF K CHIP C 4700PF K CHIP C 4700PF K CERAMIC 1000PF K	X5I5 5 67 EQT	
C280 C281 C281 C282, 283 C284, 285			CK45FB1H102K CK45FF1H472Z CK45FF1H472Z CC73FSL1H101J CC73FSL1H561J	CERAMIC 1000PF K CERAMIC 4700PF Z CERAMIC 4700PF Z CHIP C 100PF J CHIP C 560PF J	E1E2E3 T5	
C300 C302 C302 C304, 305 C304, 305			CQ93FMG1H184J C91-1480-05 C91-1480-05 C90-3832-05 C90-3832-05	MYLAR 0.18UF J MP 0.22UF 250WV MP 0.22UF 250WV ELECTRO 4700UF 75WV ELECTRO 4700UF 75WV	EQTM CX YIV KP MCXYIV	
C304, 305 C306, 307 C306, 307 C306, 307 C308		*	C90-3833-05 C90-3834-05 C90-3834-05 C90-3835-05 CE04KW1V222M	ELECTRO 4700UF 63WV ELECTRO 3300UF 42WV ELECTRO 3300UF 42WV ELECTRO 3300UF 35WV ELECTRO 2200UF 35WV	EQT KP MCXYIV EQT	
C309 C310~313 C314, 315 C316 C317			CE04KW1V471M CK73FF1C224Z CE04KW1E101M CE04KW2A220M CE04KW1H470M	ELECTRO 470UF 35WV CHIP C 0.22UF Z ELECTRO 100UF 25WV ELECTRO 22UF 100WV ELECTRO 47UF 50WV		

L : Scandinavia K : USA P : Canada R : Mexico C : China I : Malaysia
Y : PX(Far East, Hawaii) T : Europe E : Europe G : Germany V : China(Shanghai)
Y : AAFES(Europe) X : Australia Q : Russia H : Korea M : Other Areas Δ indicates safety critical components.

PARTS LIST

KRF-V5020/V6020N/7020MR-305/306/355

* 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.

15

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C320			CE04KW1H010M	ELECTRO 1.0UF 50WV		
C326			CE04KW1C470M	ELECTRO 47UF 16WV		
C327			CE04KW1H010M	ELECTRO 1.0UF 50WV		
C330			CE04KW1C100M	ELECTRO 10UF 16WV		
C350			CE04KW1A101M	ELECTRO 100UF 10WV		
C351, 352			CE04KW1H100M	ELECTRO 10UF 50WV		
C359-363			CE04KW1H010M	ELECTRO 1.0UF 50WV		
C400			CE04KW1C330M	ELECTRO 33UF 16WV		
C401-410			CK73EB1H104K	CHIP C 0.10UF K		
C411, 412			CE04KW1C220M	ELECTRO 22UF 16WV		
C413			CK73EB1H104K	CHIP C 0.10UF K		
C414			CK73FB1C104K	CHIP C 0.10UF K		
C501-503			CK45FF1H103Z	CERAMIC 0.010UF Z		
C504			CK73FB1H103K	CHIP C 0.010UF K		
C505			CK45FF1H103Z	CERAMIC 0.010UF Z		
C506			CK45FB1H102K	CERAMIC 1000PF K		
C507			CK45FF1H103Z	CERAMIC 0.010UF Z		
C508, 509			CE04KW1A101M	ELECTRO 100UF 10WV	EQT	
C510			CC45FSL1H331J	CERAMIC 330PF J		
C511			CK73FB1H103K	CHIP C 0.010UF K		
C512, 513			CK45FF1H103Z	CERAMIC 0.010UF Z		
C514			CK73FB1H103K	CHIP C 0.010UF K	EQT	
C515			CK45FB1H561K	CERAMIC 560PF K	EQT	
C516			CE04KW1H2R2M	ELECTRO 2.2UF 50WV	EQT	
C517			CE04KW1H010M	ELECTRO 1.0UF 50WV		
C518			CK73FB1H103K	CHIP C 0.010UF K		
C519-521			CK45FF1H103Z	CERAMIC 0.010UF Z	EQT	
C522			CK45FF1H103Z	CERAMIC 0.010UF Z	EQT	
C523			CE04KW1A101M	ELECTRO 100UF 10WV	EQT	
C524			CK45FF1H103Z	CERAMIC 0.010UF Z	EQT	
C525			CE04KW1H010M	ELECTRO 1.0UF 50WV		
C526			C90-3214-05	ELECTRO 100UF 6.3WV		
C527			CC73FCH1H470J	CHIP C 47PF J	EQT	
C528			CC73FCH1H180J	CHIP C 18PF J	EQT	
C529, 530			CE04KW1V4R7M	ELECTRO 4.7UF 35WV		
C531			CK73FB1H103K	CHIP C 0.010UF K		
C532			CK73FB1H102K	CHIP C 1000PF K		
C533			CK73EB1H102K	CHIP C 1000PF K	EQT	
C533			CK73EB1H102K	CHIP C 1000PF K	KPV	
C534			C90-1827-05	ELECTRO 0.047F 5.5WV		
C535			CE04KW0J471M	ELECTRO 470UF 6.3WV	KP	
C536			CK45FB1H102K	CERAMIC 1000PF K		
C537			CC45FSL1H101J	CERAMIC 100PF J		
C538			CC73FSL1H101J	CHIP C 100PF J		
C540			CC45FSL1H101J	CERAMIC 100PF J	KP	
CN1			E40-4299-05	PIN ASSY		
CN2			E40-4248-05	PIN ASSY		
CN7			E40-8196-05	PIN ASSY		
CN8			E40-8260-05	FLAT CABLE CONNECTOR		
CN9			E40-8251-05	FLAT CABLE CONNECTOR		
CN10			E40-9848-05	PIN ASSY		
CN11			E40-3247-05	PIN ASSY	7	
CN12			E40-3249-05	PIN ASSY	7	
CN51			E40-8259-05	FLAT CABLE CONNECTOR		
CN53			E40-8250-05	FLAT CABLE CONNECTOR		

L : Scandinavia

Y : PX(Far East, Hawaii)

Y : AAFES(Europe)

K : USA

T : Europe

X : Australia

P : Canada

E : Europe

Q : Russia

R : Mexico

G : Germany

H : Korea

C : China

V : China(Shanghai)

M : Other Areas

I : Malaysia

⚠ indicates safety critical components.

* 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.

16

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
J1			E63-0046-15	PHONO JACK		EQTMCX
J1			E63-0046-15	PHONO JACK		YI
J1			E63-0172-05	PHONO JACK		KPV
J2			E63-0047-15	PHONO JACK		EQTMCX
J2			E63-0047-15	PHONO JACK		YI
J2			E63-0173-05	PHONO JACK		KPV
J3, 4			E63-1014-05	PHONO JACK		EQTMCX
J3, 4			E63-1014-05	PHONO JACK		YI
J3, 4			E63-1017-05	PHONO JACK		KPV
J5			E63-1018-05	PHONO JACK		KPV
J5			E63-1050-05	PHONO JACK		EQTMCX
J5			E63-1050-05	PHONO JACK		YI
J6			E63-1019-05	PHONO JACK		KPV
J6			E63-1051-05	PHONO JACK		EQTMCX
J6			E63-1051-05	PHONO JACK		YI
J7			E63-0046-15	PHONO JACK		EQTMCX
J7			E63-0046-15	PHONO JACK		YI
J7			E63-0172-05	PHONO JACK		KPV
J8			E70-0046-05	LOCK TERMINAL BOARD		5
J8			E70-0082-05	LOCK TERMINAL BOARD		KP
J9			E63-0114-05	PHONO JACK		EQT
J10			E70-0047-05	LOCK TERMINAL BOARD		67
J10			E70-0057-05	LOCK TERMINAL BOARD		5
J10			E70-0094-05	LOCK TERMINAL BOARD		KP
J11			E63-0116-05	PHONO JACK		MCXYI
W401-405			E29-1634-14	LEAD PLATE		KPV
L1-5			L39-1373-05	PHASE COMPENSATION COIL		
L501			L40-1091-17	SMALL FIXED INDUCTOR(1UH)		EQT
L502			L40-1001-17	SMALL FIXED INDUCTOR(10UH,K)		EQT
X1			L78-0244-05	RESONATOR (4MHZ)		
X501			L78-0290-05	RESONATOR (8MHZ)		
X502			L77-2002-05	CRYSTAL RESONATOR(4.332MHZ)		EQT
R1, 2			RK73FB2A102J	CHIP R 1.0K J	1/10W	
R3, 4			RK73FB2A273J	CHIP R 27K J	1/10W	
R5, 6			RK73FB2A101J	CHIP R 100 J	1/10W	
R13, 14			RK73FB2A473J	CHIP R 47K J	1/10W	
R17, 18			RK73FB2A102J	CHIP R 1.0K J	1/10W	
R19, 20			RK73FB2A224J	CHIP R 220K J	1/10W	
R21-24			RK73FB2A102J	CHIP R 1.0K J	1/10W	
R25, 26			RK73FB2A224J	CHIP R 220K J	1/10W	
R27, 28			RK73FB2A102J	CHIP R 1.0K J	1/10W	
R29, 30			RK73FB2A224J	CHIP R 220K J	1/10W	
R31, 32			RK73FB2A102J	CHIP R 1.0K J	1/10W	
R33, 34			RK73FB2A224J	CHIP R 220K J	1/10W	
R35, 36			RK73FB2A102J	CHIP R 1.0K J	1/10W	
R37, 38			RK73FB2A224J	CHIP R 220K J	1/10W	
R39, 40			RK73FB2A102J	CHIP R 1.0K J	1/10W	
R41, 42			RK73FB2A224J	CHIP R 220K J	1/10W	
R43			RK73FB2A102J	CHIP R 1.0K J	1/10W	
R44			RK73FB2A103J	CHIP R 10K J	1/10W	
R45			RK73FB2A224J	CHIP R 220K J	1/10W	
R46			RK73FB2A392J	CHIP R 3.9K J	1/10W	

L : Scandinavia

Y : PX(Far East, Hawaii)

Y : AAFES(Europe)

K : USA

T : Europe

X : Australia

P : Canada

E : Europe

Q : Russia

R : Mexico

G : Germany

H : Korea

C : China

V : China(Shanghai)

M : Other Areas

I : Malaysia

⚠ indicates safety critical components.

PARTS LIST

KRF-V5020N/6020N/7020N/R-305/306/355

* 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.

17

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
R47, 48 R49, 50 R51~53 R56, 57 R59, 60			RK73FB2A102J RK73FB2A224J RK73FB2A750J RK73FB2A332J RK73FB2A104J	CHIP R 1.0K J 1/10W CHIP R 220K J 1/10W CHIP R 75 J 1/10W CHIP R 3.3K J 1/10W CHIP R 100K J 1/10W		
R67, 68 R69, 70 R71, 72 R93, 94 R96			RK73FB2A104J RK73FB2A4R7J RK73FB2A224J RS14KB3A391J RK73FB2A432J	CHIP R 100K J 1/10W CHIP R 4.7 J 1/10W CHIP R 220K J 1/10W FL-PROOF RS 390 J 1W CHIP R 4.3K J 1/10W		
R97 R98~102 R109 R110 R111~113			RK73EB2B224J RK73FB2A224J RS14KB3A221J RS14KB3A271J RK73FB2A102J	CHIP R 220K J 1/8W CHIP R 220K J 1/10W FL-PROOF RS 220 J 1W FL-PROOF RS 270 J 1W CHIP R 1.0K J 1/10W		
R116, 117 R118 R119 R122 R123			RK73FB2A102J RK73FB2A473J RK73FB2A223J RK73FB2A103J RK73FB2A203J	CHIP R 1.0K J 1/10W CHIP R 47K J 1/10W CHIP R 22K J 1/10W CHIP R 10K J 1/10W CHIP R 20K J 1/10W		
R124 R125 R126 R127 R128			RK73FB2A105J RK73FB2A224J RK73FB2A104J RK73FB2A475J RK73FB2A752J	CHIP R 1.0M J 1/10W CHIP R 220K J 1/10W CHIP R 100K J 1/10W CHIP R 4.7M J 1/10W CHIP R 7.5K J 1/10W		
R129 R130 R131 R132 R133			RK73FB2A153J RK73FB2A473J RK73FB2A752J RK73FB2A153J RK73FB2A473J	CHIP R 15K J 1/10W CHIP R 47K J 1/10W CHIP R 7.5K J 1/10W CHIP R 15K J 1/10W CHIP R 47K J 1/10W		
R134 R135 R136 R137, 138 R145, 146			RD14NB2E221J RS14KB3D680J RK73FB2A334J RK73FB2A243J RK73FB2A122J	RD 220 J 1/4W FL-PROOF RS 68 J 2W CHIP R 330K J 1/10W CHIP R 24K J 1/10W CHIP R 1.2K J 1/10W		
R147, 148 R149, 150 R157, 158 R161, 162 R163, 164			RK73FB2A102J RK73FB2A104J RK73FB2A222J RK73FB2A122J RK73FB2A102J	CHIP R 1.0K J 1/10W CHIP R 100K J 1/10W CHIP R 2.2K J 1/10W CHIP R 1.2K J 1/10W CHIP R 1.0K J 1/10W		
R165, 166 R173, 174 R177, 178 R179, 180 R181, 182			RK73FB2A104J RK73FB2A222J RK73FB2A122J RK73FB2A102J RK73FB2A104J	CHIP R 100K J 1/10W CHIP R 2.2K J 1/10W CHIP R 1.2K J 1/10W CHIP R 1.0K J 1/10W CHIP R 100K J 1/10W		
R183 R184 R186 R189, 190 R191			RK73FB2A153J RK73FB2A391J RK73FB2A183J RK73FB2A222J RK73FB2A104J	CHIP R 15K J 1/10W CHIP R 390 J 1/10W CHIP R 18K J 1/10W CHIP R 2.2K J 1/10W CHIP R 100K J 1/10W		
R192, 193 R194 R195 R196, 197 R198			RK73FB2A102J RK73FB2A223J RK73FB2A104J RK73FB2A102J RK73FB2A104J	CHIP R 1.0K J 1/10W CHIP R 22K J 1/10W CHIP R 100K J 1/10W CHIP R 1.0K J 1/10W CHIP R 100K J 1/10W		

L : Scandinavia K : USA P : Canada R : Mexico C : China I : Malaysia
Y : PX(Far East, Hawaii) T : Europe E : Europe G : Germany V : China(Shanghai)
Y : AAFES(Europe) X : Australia Q : Russia H : Korea M : Other Areas ▲ indicates safety critical components.

* 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.

18

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
R199, 200 R201, 202 R203, 204 R207, 208 R207, 208			RK73FB2A223J RK73FB2A104J RK73FB2A563J RK73EB2B331J RK73FB2A361J	CHIP R 22K J 1/10W CHIP R 100K J 1/10W CHIP R 56K J 1/10W CHIP R 330 J 1/8W CHIP R 360 J 1/10W	K1P1 K2P2	
R207, 208 R207, 208 R207, 208 R207, 208 R207, 208			RK73FB2A361J RK73FB2A361J RK73FB2A431J RK73FB2A431J RK73FB2A471J	CHIP R 360 J 1/10W CHIP R 360 J 1/10W CHIP R 430 J 1/10W CHIP R 430 J 1/10W CHIP R 470 J 1/10W	K3P3 MCXYIV E7E8 T7Q7 E1E2E3	
R207, 208 R207, 208 R209, 210 R214, 215 R216			RK73FB2A471J RK73FB2A471J RK73FB2A563J RD14NB2E103J RS14KB3A392J	CHIP R 470 J 1/10W CHIP R 470 J 1/10W CHIP R 56K J 1/10W RD 10K J 1/4W FL-PROOF RS 3.9K J 1W	E4E5 Q5Q6	
R217~219 R220 R221, 222 R224 R225, 226			RK73FB2A104J RS14KB3A392J RK73FB2A563J RK73FB2A102J RK73FB2A331J	CHIP R 100K J 1/10W FL-PROOF RS 3.9K J 1W CHIP R 56K J 1/10W CHIP R 1.0K J 1/10W CHIP R 330 J 1/10W	K1P1	
R225, 226 R225, 226 R225, 226 R225, 226 R225, 226			RK73FB2A361J RK73FB2A361J RK73FB2A361J RK73FB2A431J RK73FB2A431J	CHIP R 360 J 1/10W CHIP R 360 J 1/10W CHIP R 360 J 1/10W CHIP R 430 J 1/10W CHIP R 430 J 1/10W	K2P2 K3P3 MCXYIV E7E8 T7Q7	
R225, 226 R225, 226 R225, 226 R229, 230 R231			RK73FB2A471J RK73FB2A471J RK73FB2A471J RK73FB2A102J RK73FB2A563J	CHIP R 470 J 1/10W CHIP R 470 J 1/10W CHIP R 470 J 1/10W CHIP R 1.0K J 1/10W CHIP R 56K J 1/10W	E1E2E3 E4E5 Q5Q6	
R233 R233 R233 R233 R233			RK73FB2A331J RK73FB2A361J RK73FB2A361J RK73FB2A361J RK73FB2A431J	CHIP R 330 J 1/10W CHIP R 360 J 1/10W CHIP R 360 J 1/10W CHIP R 360 J 1/10W CHIP R 430 J 1/10W	K1P1 K2P2 K3P3 MCXYIV E7E8	
R233 R233 R233 R233 R239, 240			RK73FB2A431J RK73FB2A471J RK73FB2A471J RK73FB2A471J RS14KB3A392J	CHIP R 430 J 1/10W CHIP R 470 J 1/10W CHIP R 470 J 1/10W CHIP R 470 J 1/10W FL-PROOF RS 3.9K J 1W	T7Q7 E1E2E3 E4E5 Q5Q6	
R241, 242 R243, 244 R245, 246 R245, 246 R245, 246			R92-1866-05 RK73FB2A333J RK73FB2A333J RK73FB2A333J RK73FB2A363J	METAL FILM 0.1 2W CHIP R 33K J 1/10W CHIP R 33K J 1/10W CHIP R 33K J 1/10W CHIP R 36K J 1/10W	K1P1 7 K2P2K3	
R245, 246 R245, 246 R247, 248 R249 R251			RK73FB2A363J RK73FB2A363J RK73FB2A471J R92-1866-05 RK73FB2A333J	CHIP R 36K J 1/10W CHIP R 36K J 1/10W CHIP R 470 J 1/10W METAL FILM 0.1 2W CHIP R 33K J 1/10W	P3 56	
R253 R253 R253 R253 R253			RK73FB2A333J RK73FB2A333J RK73FB2A363J RK73FB2A363J RK73FB2A363J	CHIP R 33K J 1/10W CHIP R 33K J 1/10W CHIP R 36K J 1/10W CHIP R 36K J 1/10W CHIP R 36K J 1/10W	K1P1 7 K2P2K3 P3 56	

L : Scandinavia K : USA P : Canada R : Mexico C : China I : Malaysia
Y : PX(Far East, Hawaii) T : Europe E : Europe G : Germany V : China(Shanghai)
Y : AAFES(Europe) X : Australia Q : Russia H : Korea M : Other Areas ▲ indicates safety critical components.

PARTS LIST

KRF-V5020/V6020N/7020VR-305/306/355

* 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.

19

Ref. No	Add-ress	New Parts	Parts No.	Description				Desti-nation	Re-marks
R255			RK73FB2A471J	CHIP R	470	J	1/10W	K1P1 7	
R257, 258			R92-1866-05	METAL FILM	0.1		2W		
R259, 260			RK73FB2A333J	CHIP R	33K	J	1/10W		
R261, 262			RK73FB2A333J	CHIP R	33K	J	1/10W		
R261, 262			RK73FB2A333J	CHIP R	33K	J	1/10W		
R261, 262			RK73FB2A363J	CHIP R	36K	J	1/10W	K2P2K3 P3 56	
R261, 262			RK73FB2A363J	CHIP R	36K	J	1/10W		
R261, 262			RK73FB2A363J	CHIP R	36K	J	1/10W		
R263, 264			RK73FB2A471J	CHIP R	470	J	1/10W		
R265~267			RS14KB3D4R7J	FL-PROOF RS	4.7	J	2W		
R268			RK73FB2A153J	CHIP R	15K	J	1/10W	EQT	
R269, 270			RS14KB3D4R7J	FL-PROOF RS	4.7	J	2W		
R271~273			RK73FB2A333J	CHIP R	33K	J	1/10W		
R275, 276			RK73FB2A333J	CHIP R	33K	J	1/10W		
R277			RK73FB2A163J	CHIP R	16K	J	1/10W		
R277			RK73FB2A183J	CHIP R	18K	J	1/10W	7	
R279, 280			RK73FB2A163J	CHIP R	16K	J	1/10W	EQT	
R279, 280			RK73FB2A183J	CHIP R	18K	J	1/10W	7	
R281~283			RK73FB2A102J	CHIP R	1.0K	J	1/10W	EQT	
R284			RK73FB2A123J	CHIP R	12K	J	1/10W		
R285			RK73FB2A682J	CHIP R	6.8K	J	1/10W		
R286			RK73FB2A223J	CHIP R	22K	J	1/10W		
R287~291			RK73FB2A272J	CHIP R	2.7K	J	1/10W		
R292~295			RK73FB2A102J	CHIP R	1.0K	J	1/10W		
R300			RD14NB2E1R0J	RD	1	J	1/4W		
R304, 305			RK73FB2A513J	CHIP R	51K	J	1/10W		
R306, 307			RK73FB2A273J	CHIP R	27K	J	1/10W		
R308			RD14NB2E4R7J	RD	4.7	J	1/4W		
R309			RD14NB2E103J	RD	10K	J	1/4W		
R311			RK73FB2A513J	CHIP R	51K	J	1/10W		
R312			RK73FB2A273J	CHIP R	27K	J	1/10W		
R315, 316			RK73FB2A472J	CHIP R	4.7K	J	1/10W		
R317			RK73FB2A273J	CHIP R	27K	J	1/10W		
R318			RS14KB3A681J	FL-PROOF RS	680	J	1W		
R320			RK73FB2A103J	CHIP R	10K	J	1/10W		
R321			RK73FB2A473J	CHIP R	47K	J	1/10W		
R322			RS14KB3D391J	FL-PROOF RS	390	J	2W		
R323			R92-1878-05	WIRE WOUND	68	K	5W		
R325			RS14KB3D391J	FL-PROOF RS	390	J	2W		
R326~330			RK73FB2A102J	CHIP R	1.0K	J	1/10W		
R331			RK73FB2A363J	CHIP R	36K	J	1/10W		
R332			RK73FB2A751J	CHIP R	750	J	1/10W		
R333			RK73FB2A272J	CHIP R	2.7K	J	1/10W		
R361, 362			RS14KB3D391J	FL-PROOF RS	390	J	2W		
R363			RK73FB2A473J	CHIP R	47K	J	1/10W		
R400			RK73FB2A472J	CHIP R	4.7K	J	1/10W		
R403~407			RK73EB2B220J	CHIP R	22	J	1/8W		
R408			RK73FB2A222J	CHIP R	2.2K	J	1/10W		
R409			RK73FB2A333J	CHIP R	33K	J	1/10W		
R410, 411			RK73EB2B224J	CHIP R	220K	J	1/8W		
R412, 413			RK73FB2A224J	CHIP R	220K	J	1/10W		
R414			RK73FB2A103J	CHIP R	10K	J	1/10W		
R415			RK73FB2A104J	CHIP R	100K	J	1/10W		
R416			RK73FB2A683J	CHIP R	68K	J	1/10W		
R417			RK73FB2A473J	CHIP R	47K	J	1/10W		

L : Scandinavia K : USA P : Canada R : Mexico C : China I : Malaysia
Y : PX(Far East, Hawaii) T : Europe E : Europe G : Germany V : China(Shanghai)
Y : AAFES(Europe) X : Australia Q : Russia H : Korea M : Other Areas Δ indicates safety critical components.

PARTS LIST

20

* 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				Desti-nation	Re-marks
R450, 451			RK73FB2A272J	CHIP R	2.7K	J	1/10W	MCXYIV	
R452			RK73FB2A361J	CHIP R	360	J	1/10W		
R453			RK73FB2A472J	CHIP R	4.7K	J	1/10W		
R454			RK73FB2A822J	CHIP R	8.2K	J	1/10W		
R456			RK73FB2A473J	CHIP R	47K	J	1/10W		
R457			RK73FB2A102J	CHIP R	1.0K	J	1/10W		
R458			RK73FB2A101J	CHIP R	100	J	1/10W		
R460, 461			RK73FB2A102J	CHIP R	1.0K	J	1/10W		
R462			RK73EB2B101J	CHIP R	100	J	1/8W		
R504			RK73FB2A103J	CHIP R	10K	J	1/10W		
R514			RK73FB2A222J	CHIP R	2.2K	J	1/10W		
R515			RK73FB2A103J	CHIP R	10K	J	1/10W		
R523			RD14NB2E1R0J	RD	1	J	1/4W		
R524, 525			RK73FB2A101J	CHIP R	100	J	1/10W		
R528			RK73FB2A101J	CHIP R	100	J	1/10W		
R529, 530			RK73FB2A473J	CHIP R	47K	J	1/10W	KP	
R536			RK73FB2A102J	CHIP R	1.0K	J	1/10W		
R545, 546			RK73FB2A103J	CHIP R	10K	J	1/10W		
R552			RK73FB2A102J	CHIP R	1.0K	J	1/10W		
R556			RK73FB2A103J	CHIP R	10K	J	1/10W		
R556			RK73FB2A103J	CHIP R	10K	J	1/10W	MCXYIV	
R565			RK73FB2A103J	CHIP R	10K	J	1/10W		
R568			RK73FB2A103J	CHIP R	10K	J	1/10W		
R570			RK73FB2A103J	CHIP R	10K	J	1/10W		
R577			RK73FB2A103J	CHIP R	10K	J	1/10W		
R580			RK73FB2A222J	CHIP R	2.2K	J	1/10W	EQT	
R582			RK73FB2A102J	CHIP R	1.0K	J	1/10W		
R601, 602			RK73FB2A224J	CHIP R	220K	J	1/10W		
R603			RK73FB2A473J	CHIP R	47K	J	1/10W		
R606			RK73FB2A102J	CHIP R	1.0K	J	1/10W		
R607, 608			RD14NB2E1R0J	RD	1	J	1/4W		
W303			R92-0679-05	CHIP R	0 OHM				
W304~306			R92-0670-05	CHIP R	0 OHM				
W309, 310			R92-0679-05	CHIP R	0 OHM				
W312			R92-0679-05	CHIP R	0 OHM				
W314			R92-0679-05	CHIP R	0 OHM			MCXYI KPV	
W315			R92-0670-05	CHIP R	0 OHM				
W316~318			R92-0679-05	CHIP R	0 OHM				
W501~502			R92-0670-05	CHIP R	0 OHM				
W501~506			R92-0670-05	CHIP R	0 OHM				
W503~506			R92-0670-05	CHIP R	0 OHM			EQT	
K1		*	S76-0045-15	MAGNETIC RELAY				67	
K2		*	S76-0045-15	MAGNETIC RELAY					
K3, 4		*	S76-0045-15	MAGNETIC RELAY					
S501~505			S70-0031-05	TACT SWITCH					
S507			S70-0031-05	TACT SWITCH					
S509~512			S70-0031-05	TACT SWITCH					
S514~516			S70-0031-05	TACT SWITCH					
S520, 521			S70-0031-05	TACT SWITCH					
S517			T99-0602-05	ROTARY ENCODER					
S518, 519			T99-0605-05	ROTARY ENCODER					
D3, 4			HZS5.1N(B2)	ZENER DIODE					
D3, 4			MTZJ5.1(B)	ZENER DIODE					

L : Scandinavia K : USA P : Canada R : Mexico C : China I : Malaysia
Y : PX(Far East, Hawaii) T : Europe E : Europe G : Germany V : China(Shanghai)
Y : AAFES(Europe) X : Australia Q : Russia H : Korea M : Other Areas Δ indicates safety critical components.

* 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.

21

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
D3, 4 D5, 6 D5, 6 D5, 6 D7			RD5.1ES(B2) HZS6.8N(B2) MTZJ6.8(B) RD6.8ES(B2) HZS5.1N(B2)	ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE		
D7 D7 D8 D8 D8			MTZJ5.1(B) RD5.1ES(B2) HZS11N(B2) MTZJ11(B) RD11ES(B2)	ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE		
D10 D10 D10 D11 D11			HZS8.2N(B2) MTZJ8.2(B) RD8.2ES(B2) HZS7.5N(B2) MTZJ7.5(B)	ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE		
D11 D12, 13 D12, 13 D12, 13 D14, 15			RD7.5ES(B2) HZS8.2N(B2) MTZJ8.2(B) RD8.2ES(B2) HZS10N(B2)	ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE		
D14, 15 D14, 15 D19 D20 D21~23			MTZJ10(B) RD10ES(B2) MA111 MA111 MA111	ZENER DIODE ZENER DIODE DIODE DIODE DIODE	67	
D24 D24 D24 D25 D25			HZS4.7N(B2) MTZJ4.7(B) RD4.7ES(B2) HZS3.3N(B2) MTZJ3.3(B)	ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE		
D25 D26 D31 D32 D32	Δ Δ Δ		RD3.3ES(B2) MA111 D4SBL20UF03 D4SBL20UF03 D4SBL20UF03	ZENER DIODE DIODE DIODE DIODE DIODE	ETQ YMXICV	
D37, 38 D37, 38 D37, 38 D39, 40 D39, 40			HZS16N(B2) MTZJ16(B) RD16ES(B2) HZS18N(B2) MTZJ18(B)	ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE		
D39, 40 D50, 51 D52 D53~55 D56			RD18ES(B2) MA111 MA111 MA111 HZS7.5N(B2)	ZENER DIODE DIODE DIODE DIODE ZENER DIODE	MCXYIV	
D56 D56 D59 D504 D504			MTZJ7.5(B) RD7.5ES(B2) MA111 HSS104A HSS104A	ZENER DIODE ZENER DIODE DIODE DIODE DIODE	YMXICV QMCXYI V	
D504 D504 D505 D505 D507			1SS133 1SS133 HSS104A 1SS133 HSS104A	DIODE DIODE DIODE DIODE DIODE	QMCXYI V ET ET Q	

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

K : USA
T : Europe
X : Australia

P : Canada
E : Europe
Q : Russia

R : Mexico
G : Germany
H : Korea

C : China
V : China(Shanghai)
M : Other Areas

I : Malaysia

Δ indicates safety critical components.

* 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.

22

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
D507 D508, 509 D508, 509 D510 D510			1SS133 HSS104A 1SS133 HSS104A HSS104A	DIODE DIODE DIODE DIODE DIODE	Q ETQ YMXICV	
D510 D510 D511~521 D511~521 D522			1SS133 1SS133 HSS104A 1SS133 1SS133	DIODE DIODE DIODE DIODE DIODE	ETQ YMXICV 5	
D523 D523 D524 D524 D526			HSS104A 1SS133 HSS104A 1SS133 HZS6.2N(B2)	DIODE DIODE DIODE DIODE ZENER DIODE	EQT EQT	
D526 D526 D529 D529 D530			MTZJ6.2(B) RD6.2ES(B2) HSS104A 1SS133 S1ZB20(4072)	ZENER DIODE ZENER DIODE DIODE DIODE DIODE		
Δ D531 Δ D532, 533 ED51 Δ IC1 Δ IC2			D4SBL20UF03 MA111 11-MT-120GK TA7815SB TA79015SB	DIODE DIODE INDICATOR TUBE ANALOGUE IC ANALOGUE IC	KP	
Δ IC3 Δ IC3 Δ IC3 Δ IC3 Δ IC3		*	STK411-220D STK411-220D STK411-220D STK411-230D STK411-230D	HYBRID IC HYBRID IC HYBRID IC HYBRID IC HYBRID IC	K2P2K2 P3 56 K1P1 7	
Δ IC3 Δ IC4 Δ IC4 Δ IC4 Δ IC4		*	STK411-230K STK410-020D STK410-020D STK410-020D STK410-030D	HYBRID IC HYBRID IC HYBRID IC HYBRID IC HYBRID IC	K1P1 K2P2K3 P3 56 K1P1	
Δ IC4 IC5 IC6 IC7 IC8			STK410-030D NJM4580ED TC9164AF TC9162AF NJM4565MD	HYBRID IC ANALOGUE IC MOS-IC MOS-IC IC(OP AMP X2)	7	
IC9 IC12 IC16 IC17 IC18		*	M62446FP NJM4565MD M62460FP BU4066BCF NJM2279M	ANALOGUE IC IC(OP AMP X2) ANALOGUE IC ANALOGUE IC ANALOGUE IC		
IC19 IC51 IC51 IC51 IC52			M5278L05M CXP82832-155Q CXP82832-155Q CXP82852-136Q X24C02S	ANALOGUE IC MI-COM IC MI-COM IC MI-COM IC MEMORY IC	KP MCXYIV EQT EQT	
IC52 IC53 IC54 IC54 IC55			X24C02S S-80740AL-A4 SAA6579T SAA6579T/R NJM4565MD	MEMORY IC IC(VOLTAGE DETECTOR) ANALOGUE IC ANALOGUE IC IC(OP AMP X2)	YMXICV EQT EQT	

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

K : USA
T : Europe
X : Australia

P : Canada
E : Europe
Q : Russia

R : Mexico
G : Germany
H : Korea

C : China
V : China(Shanghai)
M : Other Areas

I : Malaysia

Δ indicates safety critical components.

PARTS LIST

KRF-V5020/V6020N/7020VR-305/306/355

HOW TO READ THE PARTS LIST
Destination column has the abbreviation for the sale country and model. Alphabets mean the country.
Numerals do model.
Example: X5 show KRF-V5020 for Australia market. "X" does all models for Australia.
"5" does KRF-V5020, KRF-5020(S), KRF-V5020E and KRF-V5020W.

ABBREVIATION OF MODEL AND MASS PRODUCTION'S DESTINATIONS

MODEL	CNT	Australia	Canada	China	England	Europe	Germany	Korea	Malaysia
ABB.	ABB.	X	P	C	T	E	G	H	I
KRF-V5020	5	X5	-	-	T5	E1	-	-	I5
KRF-V5020(S)	5	-	-	-	-	E2	-	-	-
KRF-V5020E	5	-	-	-	-	E3	-	-	-
KRF-V5020W	5	-	-	-	-	-	-	-	-
KRF-V6020	6	X6	-	C6	-	E4	-	-	I6
KRF-V6020E	6	-	-	-	-	E5	-	-	-
KRF-V6020W	6	-	-	-	-	-	-	-	-
KRF-V7020	7	-	-	-	T7	E7	-	-	-
KRF-V7020E	7	-	-	-	-	E8	-	-	-
KRF-V7020W	7	-	-	-	-	-	-	-	-
VR-305	4	-	P2	-	-	-	-	-	-
VR-306	4	-	P1	-	-	-	-	-	-
VR-355	4	-	P3	-	-	-	-	-	-
MODEL	CNT	Mexico	PX/AAFES	Russia	Scandinavia	Shanghai	USA	Other area	
ABB.	ABB.	R	Y	Q	L	V	K	M	
KRF-V5020	5	-	Y5	-	-	-	-	M5	-
KRF-V5020(S)	5	-	-	-	-	-	-	-	-
KRF-V5020E	5	-	-	-	-	-	-	-	-
KRF-V5020W	5	-	-	Q5	-	-	-	-	-
KRF-V6020	6	-	-	-	-	V6	-	M6	-
KRF-V6020E	6	-	-	-	-	-	-	-	-
KRF-V6020W	6	-	-	Q6	-	-	-	-	-
KRF-V7020	7	-	-	-	-	-	-	-	-
KRF-V7020E	7	-	-	-	-	-	-	-	-
KRF-V7020W	7	-	-	Q7	-	-	-	-	-
VR-305	4	-	-	-	-	-	K2	-	-
VR-306	4	-	-	-	-	-	K1	-	-
VR-355	4	-	-	-	-	-	K3	-	-

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

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
Q1~11 Q12 Q13, 14 Q13, 14 Q13, 14			2SC2878(B) 2SC4213(B) 2SA1576A(R,S) 2SA1586(Y,GR) 2SA1611(M5,M6)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q13, 14 Q15~19 Q20 Q21 Q22, 23			2SB1218A(Q,R) 2SC1845(F,E) DTC123JUA DTC123JUA DTC123JUA	TRANSISTOR TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR	67	
Q24, 25 Q26 Q29 Q30 Q30			2SC3722K(R,S) 2SA1255 2SC3944A(R,S) 2SA1123(S,T) 2SA1285A(F)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q31 Q32~34 Q35 Q36, 37 Q40	△		2SB1640 2SC3722K(R,S) 2SA1255 2SC3722K(R,S) 2SC4213(B)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q41 Q41 Q42 Q501 Q501			DTC113ZUA UN5219 2SC4213(B) 2SC4081(R,S) 2SC4116(Y,GR)	DIGITAL TRANSISTOR DIGITAL TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	MCXYIV	
Q501 Q501 Q503 Q503 Q503			2SC4177(L5,L6) 2SD1819A(Q,R) 2SC4081(R,S) 2SC4116(Y,GR) 2SC4177(L5,L6)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q503 TH1			2SD1819A(Q,R) PTH9C42BD471Q	TRANSISTOR POSITIVE RESISTOR	MCXYIV	
A501			W02-2625-05	OPTIC RECEIVING MODULE		
SUB (X25-6222-70)						
C1 C2 C3, 4			CE04KW1C100M CC73FCH1H470J CC73FSL1H221J	ELECTRO 10UF 16WV CHIP C 47PF J CHIP C 220PF J		
CN1 CN2 J1		*	E40-3247-05 E40-3249-05 E63-1072-05	PIN ASSY PIN ASSY PHONO JACK		
R1 R2, 3 R4, 5 W1			RK73FB2A750J RK73FB2A102J RK73FB2A224J R92-0670-05	CHIP R 75 J 1/10W CHIP R 1.0K J 1/10W CHIP R 220K J 1/10W CHIP R 0 OHM		
S1		*	S68-0113-05	PUSH SWITCH		
D1			DA204U	DIODE		

L : Scandinavia K : USA P : Canada R : Mexico C : China I : Malaysia
Y : PX(Far East, Hawaii) T : Europe E : Europe G : Germany V : China(Shanghai)
Y : AAFES(Europe) X : Australia Q : Russia H : Korea M : Other Areas △ indicates safety critical components.

PARTS LIST

KRF-V5020/V6020/V7020/VR-305/306/355

KRF-V5020/V6020/V7020/VR-305/306/355

SPECIFICATIONS

For Europe and England

AUDIO section

Rated power output during STEREO operation	
KRF-V7020	
(DIN) 1 kHz, 0.7% at 4 Ω	100 W + 100 W
KRF-V6020, KRF-V5020	
(DIN) 1 kHz, 0.7% at 4 Ω	80 W + 80 W
Effective power output during SURROUND operation	
KRF-V7020	
FRONT (1kHz, 0.7% T.H.D. at 4 Ω one channel driven)	100 W + 100 W
CENTER (1kHz, 0.7% T.H.D. at 4 Ω one channel driven)	100 W
SURROUND (1kHz, 0.7% T.H.D. at 4 Ω one channel driven)	100 W + 100 W
KRF-V6020, KRF-V5020	
FRONT (1kHz, 0.7% T.H.D. at 4 Ω one channel driven)	80 W + 80 W
CENTER (1kHz, 0.7% T.H.D. at 4 Ω one channel driven)	80 W
SURROUND (1kHz, 0.7% T.H.D. at 4 Ω one channel driven)	80 W + 80 W
Total harmonic distortion	
0.05% (1 kHz, 40W, 4 Ω)	
Frequency response	
CD	
10 Hz ~ 60 kHz, +0 dB, -3.0 dB	
Signal to noise ratio	
PHONO (MM)	
75 dB (IHF'66)	
CD	
93 dB (IHF'66)	
Input sensitivity / impedance	
PHONO (MM)	
2.5 mV / 27 k Ω	
CD	
200 mV / 47 k Ω	
DVD 6CH (SUBWOOFER)	
200 mV / 10 k Ω	
Output level / impedance	
TAPE REC	
200 mV / 2.2 k Ω	
PRE OUT (CENTER, SURROUND)	
1 V / 2.2 k Ω	
PRE OUT (SUBWOOFER)	
2 V / 2.2 k Ω	
Tone control	
BASS	
± 10 dB (at 100 Hz)	
TREBLE	
± 10 dB (at 10 kHz)	

For other countries

AUDIO section

Effective power output during STEREO operation	
KRF-V6020	
1kHz,10% T.H.D.,at 8 Ω	120 W + 120 W
KRF-V5020	
1kHz,10% T.H.D.,at 8 Ω	110 W + 110 W
Rated power output during STEREO operation	
80 watts per channel minimum RMS, both channels driven, at	
8 Ω from 40 Hz to 20 kHz with no more than 0.7% total	
harmonic distortion.(FTC)	
Effective power output during SURROUND operation	
FRONT (1kHz, 10% T.H.D. at 8 Ω one channel driven)	
80 W + 80 W	
CENTER (1kHz, 10% T.H.D. at 8 Ω one channel driven)	
80 W	
SURROUND (1kHz, 10% T.H.D. at 8 Ω one channel driven)	
80 W + 80 W	
Total harmonic distortion	
0.05%(1 kHz, 40W, 8 Ω)	
Frequency response	
CD	
10 Hz ~ 60 kHz, +0 dB, -3.0 dB	
Signal to noise ratio (IHF'66)	
PHONO (MM)	
75 dB	
CD	
93 dB	
Input sensitivity / impedance	
PHONO (MM)	
2.5 mV / 27 k Ω	
CD	
200 mV / 47 k Ω	
DVD 6CH (SUBWOOFER)	
200 mV / 10 k Ω	
Output level / impedance	
TAPE REC	
200 mV / 2.2 k Ω	
PRE OUT (SUBWOOFER)	
2 V / 2.2 k Ω	
Tone control	
BASS	
± 10 dB (at 100 Hz)	
TREBLE	
± 10 dB (at 10 kHz)	

VIDEO section

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

VIDEO section

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

FM tuner section

Tuning frequency range	
87.5 MHz ~ 108 MHz	
Usable sensitivity (DIN, 75 Ω)	
MONO	
1.2 μ V / 13.2 dBf (40 kHz DEV., S/N 26 dB)	
STEREO	
45 μ V / 44.2 dBf (46 kHz DEV., S/N 46 dB)	
Total harmonic distortion (DIN, 1 kHz)	
MONO	
0.2% (65.2 dBf input)	
STEREO	
0.8% (65.2 dBf input)	
Signal to noise ratio (DIN weighted, 1 kHz)	
MONO	
65 dB (40 kHz DEV., 65.2 dBf input)	
STEREO	
60 dB (46 kHz DEV., 65.2 dBf input)	
Stereo separation (DIN, 1 kHz)	
36 dB	
Selectivity (DIN, ± 300 kHz)	
64 dB	
Frequency response (30 Hz ~ 15kHz)	
+0.5 dB, -3.0 dB	

AM tuner section

Tuning frequency range	
531 kHz ~ 1,602 kHz	
Usable sensitivity (30% mod., S/N 20 dB)	
16 μ V / (600 μ V/m)	
Signal to noise ratio (30% mod., 1 mV input)	
50 dB	

GENERAL

Power consumption	
230 W	
AC outlet	
SWITCHED	
2 (total 150 W max.)	
Dimensions	
W : 440 mm	
H : 144 mm	
D : 400 mm	
KRF-V7020	
D : 390 mm	
KRF-V6020, KRF-V5020	
Weight (Net)	
KRF-V7020	
9.2 kg	
KRF-V6020	
8.4 kg	
KRF-V5020	
8.2 kg	

FM tuner section

Tuning frequency range	
87.5 MHz ~ 108 MHz	
Usable sensitivity (MONO)	
1.6 μ V (75 Ω) / 15.2 dBf (75 kHz DEV., SINAD 30 dB)	
50dB quieting sensitivity	
STEREO	
31.6 μ V (75 Ω) / 41.2 dBf	
Total harmonic distortion (1 kHz)	
MONO	
0.6% (65 dBf input)	
STEREO	
0.7% (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)	
38 dB	
Selectivity (± 400 kHz)	
50 dB	
Frequency response	
30 Hz ~ 15kHz, +0.5 dB, -3.0 dB	

AM tuner section

Tuning frequency range	
For Australia	
9 kHz step	
531 kHz ~ 1,602 kHz	
Except for Australia	
9 kHz step	
531 kHz ~ 1,602 kHz	
10 kHz step	
530 kHz ~ 1,610 kHz	
Usable sensitivity (30% mod., S/N 20 dB)	
16 μ V / (600 μ V/m)	
Signal to noise ratio (30% mod. 1 mV input)	
50 dB	

GENERAL

Power consumption	
KRF-V6020	
280 W	
KRF-V5020	
230 W	
AC outlet	
SWITCHED (for Australia)	
1 (total 150 W max.)	
SWITCHED (except Australia)	
2 (total 150 W max.)	
Dimensions	
W : 440 mm	
H : 144 mm	
D : 400 mm	
Weight (Net)	
KRF-V6020	
9.4 kg	
KRF-V5020	
8.2 kg	

Notes

1. KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.
2. The full performance may not be exhibited in an extremely cold location (under a water-freezing temperature).

KRF-V5020/V6020/V7020/VR-305/306/355

SPECIFICATIONS

For U.S.A and Canada

AUDIO section

Rated power output during STEREO operation

VR-306

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

VR-305, VR-355

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

Effective power output during SURROUND operation

VR-306

FRONT (1kHz, 0.7% T.H.D. at 8 Ω one channel driven) 100 W + 100 W
CENTER (1kHz, 0.7% T.H.D. at 8 Ω one channel driven) 100 W
SURROUND (1kHz, 0.7% T.H.D. at 8 Ω one channel driven) 100 W + 100 W

VR-305, VR-355

FRONT (1kHz, 0.7% T.H.D. at 8 Ω one channel driven) 80 W + 80 W
CENTER (1kHz, 0.7% T.H.D. at 8 Ω one channel driven) 80 W
SURROUND (1kHz, 0.7% T.H.D. at 8 Ω one channel driven) 80 W + 80 W

Total harmonic distortion 0.05% (1 kHz, 40W, 8 Ω)

Frequency response

CD 10 Hz ~ 60 kHz, +0 dB, -3.0 dB

Signal to noise ratio (IHF'66)

PHONO (MM) 75 dB

CD 93 dB

Input sensitivity / impedance

PHONO (MM) 2.5 mV / 27 k Ω

CD 200 mV / 47 k Ω

DVD 6CH (SUBWOOFER) 200 mV / 10 k Ω

Output level / impedance

TAPE REC 200 mV / 2.2 k Ω

PRE OUT (SUBWOOFER) 2 V / 2.2 k Ω

Tone control

BASS ± 10 dB (at 100 Hz)

TREBLE ± 10 dB (at 10 kHz)

VIDEO section

VIDEO inputs / outputs

VIDEO (composite) 1 Vp-p / 75 Ω

FM tuner section

Tuning frequency range 87.5 MHz ~ 108 MHz

Usable sensitivity (MONO)

..... 1.6 μ V (75 Ω)/ 15.2 dBf (75 kHz DEV., SINAD 30 dB)

50dB quieting sensitivity

STEREO 31.6 μ V (75 Ω)/ 41.2 dBf

Total harmonic distortion (1 kHz)

MONO 0.6% (65 dBf input)

STEREO 0.7% (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) 38 dB

Selectivity (± 400 kHz) 65 dB

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

AM tuner section

Tuning frequency range

10 kHz step 530 kHz ~ 1,700 kHz

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

..... 16 μ V / (600 μ V/m)

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

GENERAL

Power consumption

VR-306 2.6 A

VR-305, VR-355 2.2 A

AC outlet

SWITCHED 2 (total 150 W, 1.25 A max.)

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

H : 144 mm (5-11/16")

D : 390 mm (15-3/8")

Weight (Net)

VR-306 8.8 kg (19.4 lb)

VR-305, VR-355 8.2 kg (18.1 lb)

Notes

1. KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.
2. The full performance may not be exhibited in an extremely cold location (under a water-freezing temperature).

Note:

Component and circuit are subject to modification to insure best operation under differing local conditions. This manual is based on General market(M) 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.

KENWOOD CORPORATION

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

KENWOOD SERVICE CORPORATION

P.O BOX 22745, 2201 East Dominguez St., Long Beach, CA 90801-5745, U.S.A.

KENWOOD ELECTRONICS CANADA INC.

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

KENWOOD ELECTRONICS LATIN AMERICA S.A.

P.O BOX 55-2791, Piso 6 plaza Chase, Cl. 47 y Aquilino de la Guardia Panama, Republic de Panama

KENWOOD ELECTRONICS BRASIL LTDA.

Av. Moema, 170-17°, Andar-Cobertura "B", Ed. Maximum Service Center, 04077-020 Moema, São Paulo-SP-Brasil

KENWOOD ELECTRONICS U.K. LIMITED

KENWOOD House, Dwight Road, Watford, Herts., WD1 8EB., United Kingdom

KENWOOD ELECTRONICS BELGIUM N.V.

Meachelsesteenweg 418, B-1930 Zaventem, Belgium

KENWOOD ELECTRONICS DEUTSCHLAND GMBH

Rembrücker Str. 15, 63150 Heusenstamm, Germany

KENWOOD ELECTRONICS FRANCE S.A.

13 Boulevard Ney, 75018 Paris, France

KENWOOD ELECTRONICS ITALIA S.p.A.

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

KENWOOD IBÉRICA S.A.

Bolivia, 239-08020 Barcelona, Spain

KENWOOD ELECTRONICS AUSTRALIA PTY. LTD.

(A.C.N. 001499 074)

P.O Box 504, 8 Figtree Drive, Australia Centre, Homebush, N.S.W. 2140, Australia

KENWOOD & LEE ELECTRONICS, LTD.

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

KENWOOD ELECTRONICS GULF FZE

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

KENWOOD ELECTRONICS SINGAPORE PTE LTD.

No. 1 Genting Lane #02-02, KENWOOD Building, Singapore, 349544

KENWOOD ELECTRONICS (MALAYSIA) SDN BHD.

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

KENWOOD ELECTRONICS (THAILAND) CO., LTD.

573/111 Soi Ramkhamhaeng 39, Ramkhamhaeng Road, Wangthonglang, Bangkok, Bangkok 10301 Thailand