CASSETTE RECEIVER

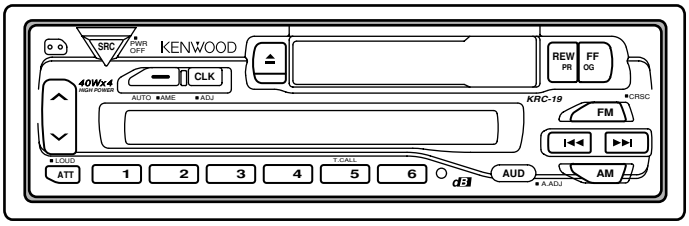
KRC-19A/G
KRC-289

SERVICE MANUAL

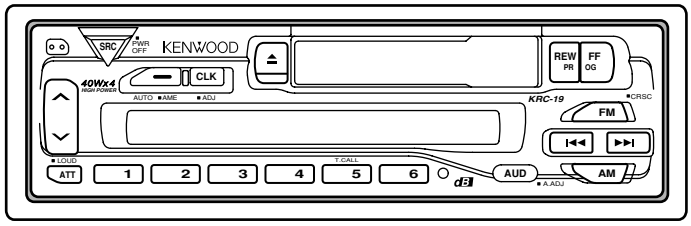
KENWOOD

© 2000-11 PRINTED IN KOREA
B51-7688-00 (K) 1755

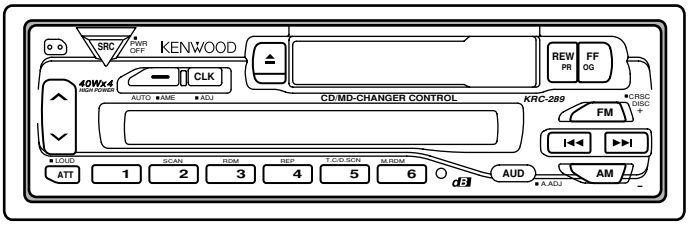
KRC-19A



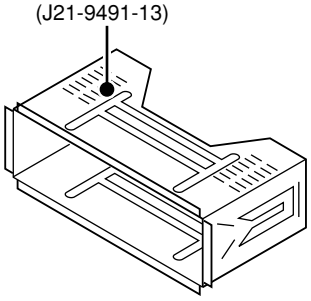
KRC-19G



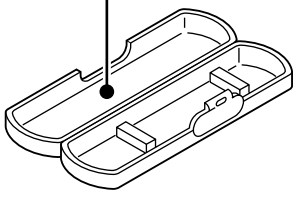
KRC-289



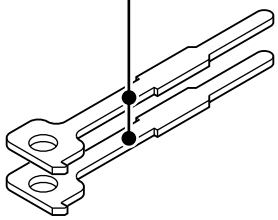
MOUNTING HARDWARE ASSY
(J21-9491-13)



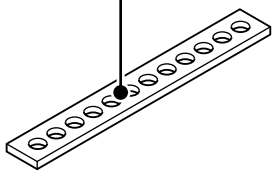
PLASTIC CABINET ASSY
(A02-1486-13)



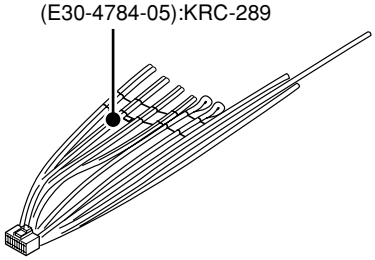
LEVER x2
(D10-3031-04)



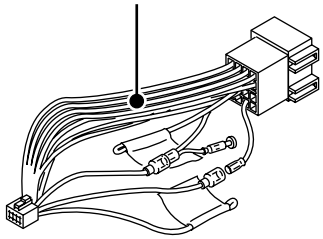
STAY
(J54-0606-04):KRC-289



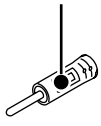
DC CORD
(E30-4784-05):KRC-289



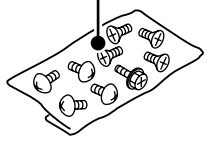
DC CORD
(E30-4790-05):KRC-19A/G



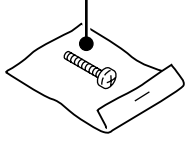
ANTENNA ADAPTOR
(T90-0523-05
or T90-0534-05)
: KRC-19A/G



SCREW SET
(N99-1632-05)
: KRC-289



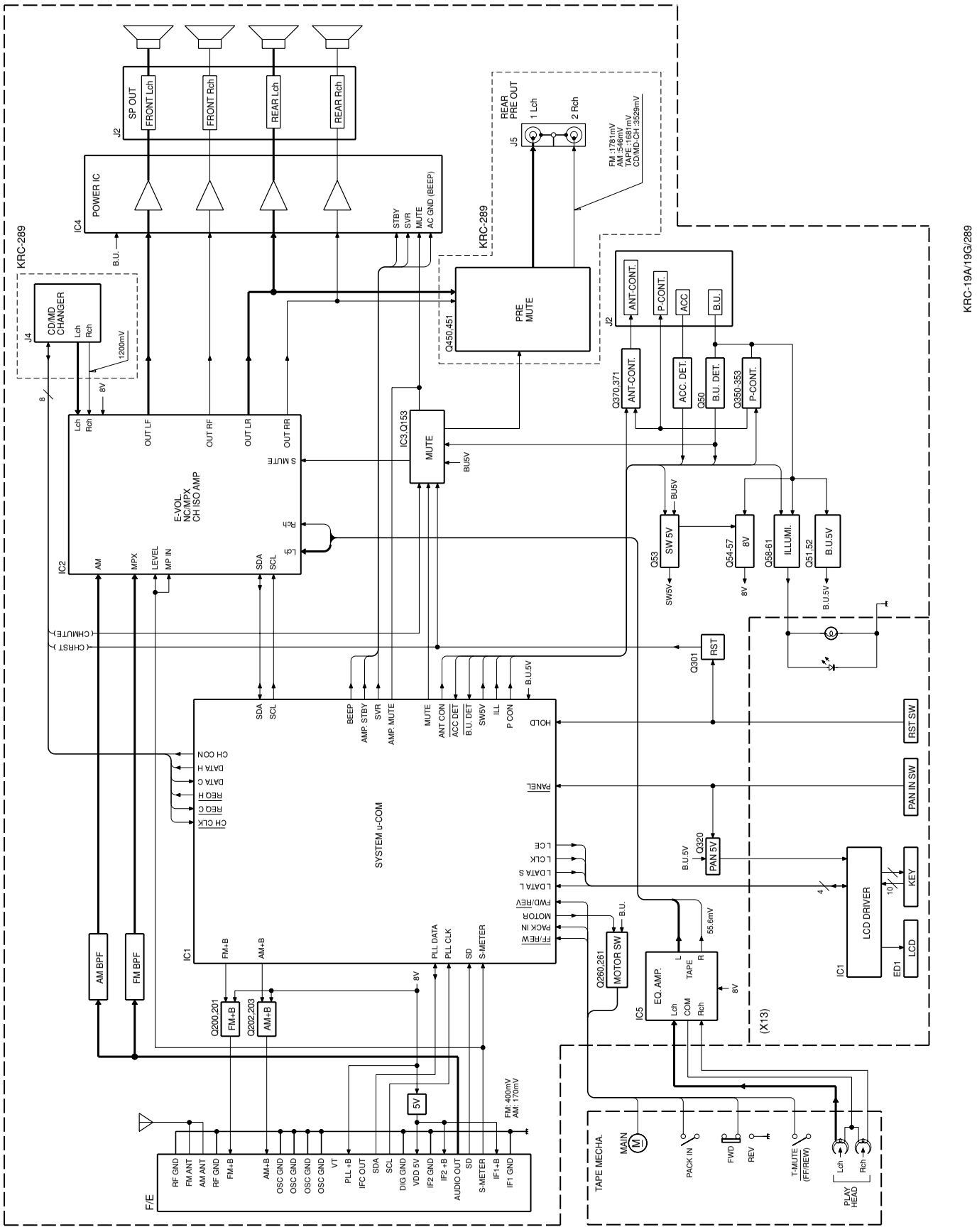
SCREW SET
(N99-1610-15)
: KRC-289



40%

KRC-19A/G,289

BLOCK DIAGRAM



COMPONENT DESCRIPTION

●SWITCH UNIT(X13-965X-XX)

Ref.No.	Component Name	Application/Function	Operation/Condition/Compatibility
IC1	LC75853E	LCD driver with key-matrix	
Q 1	DTA114EK or UN2111	Key-matrix permission SW	Ready on key-matrix

●SYNTHESIZER UNIT(X14-6570-2X)

Ref.No.	Component Name	Application/Function	Operation/Condition/Compatibility
IC1	LC72366-9592	System MI-COM.	System control
IC2	TDA7461ND	E-VOL. & N.C. MPX	Controls sound volume. Selects each source.
IC3	HD74HC27FP	Mute logic	3-input NOR gate x 3
IC4	TDA7384A	Power IC	Amplifies power so that the speaker can drive audio signal.
IC5	LA3161	Equalizer amplifier	Equalizer amplifier for cassette tape sound
Q50	2SC2412K or 2SD601A	BACK-UP detection (Momentary power down detection) SW	While BACK-UP is added, a base becomes Hi, and Q50 is turned on.
Q51	2SB1443	BACK-UP 5V AVR	While BACK-UP is added, AVR outputs +5V. Inverted Darlington connection.
Q52	2SC2412K or 2SD601A		
Q53	DTA114YK	P.ON 5V SW	While a base becomes Lo, Q53 is turned on.
Q54	DTC144EK or UN2213	COM+B SW	Q55 is turned on while Q54's base becomes Hi. Works during POWER ON mode.
Q55	DTA124EK or UN2112		
Q56	2SB1548(P) or 2SB1565(E,F) or 2SB1655(E,F)	COM+B AVR	Q56 is turned on while Q57's base becomes Hi. Inverted Darlington connection.
Q57	2SC2412K or 2SD601A		
Q58	DTC144EK or UN2213	ILLUMINATION +B SW	Q59 is turned on while Q58's base becomes Hi. Works during POWER ON mode with a panel attached to the set.
Q59	DTA124EK or UN2112		
Q60	2SB1548(P) or 2SB1565(E,F) or 2SB1655(E,F)	ILLUMINATION +B DRIVER	Q60 is turned on while Q61's base becomes Hi. Inverted Darlington connection.
Q61	2SC2412K or 2SD601A		
Q150	DTC124EK or UN2212	ELECTRIC VOLUME MUTE SW	When BACK-UP detection SW or CHANGER RESET SW or MI-COM.'s mute works, a base becomes Hi, and Q150 is turned on.
Q151	DTC114YK or UN2214	SVR DISCHARGE SW	When POWER IC RESET is activated, a base becomes Hi, Q151 is turned on.
Q153	DTA124EK or UN2112	PRE OUT MUTE DRIVER	When BACK-UP detection SW or CHANGER RESET SW or MI-COM.'s mute works, a base becomes Lo, and Q153 is turned on.
Q200	DTC124EK or UN2212	FM +B SW	Q201 is turned on when Q200's base becomes Hi. Works during FM reception mode.
Q201	2SB1277(Q,R)	FM +B DRIVER	
Q202	DTC124EK or UN2212	AM +B SW	Q203 is turned on when Q202's base becomes Hi. Works during AM reception mode.
Q203	2SB1277(Q,R)	AM +B DRIVER	
Q260	DTC114YK or UN2214	MOTOR +B SW	Q261 is turned on when Q260's base becomes Hi. Works during TAPE mode.
Q261	2SB1443	MOTOR +B DRIVER	
Q301	DTA144EK or UN2213	CHANGER RESET SW	When a base becomes Lo, Q301 is turned on.
Q320	2SA1037K	PANEL 5V SW	While a panel is attached to the set, a base becomes Lo, and Q320 is turned on.
Q350	2SB1277(Q,R)	P-CON. DRIVER	Q350 is turned on when Q353's base becomes Hi.
Q351	2SA1037K	P-CON. PROTECTION SW	Works when P-CON is being short-circuited on GND.
Q352	DTA124EK or UN2112	P-CON. PROTECTION INHIBIT SW	Inhibits protection SW function when P-CON works momentary.
Q353	DTC114YK or UN2214	P-CON. SW	Q353 is turned on when a base becomes Hi. Works during POWER ON mode.
Q370	2SB1277(Q,R)	ANT-CON. DRIVER	Q370 is turned on when Q371's base becomes Hi. Works during TUNER mode.
Q371	DTC114YK or UN2214	ANT-CON. SW	
Q450	DTC143TK or UN2216	PRE OUT MUTE SW(R ch.)	When BACK-UP detection SW or CHANGER RESET SW or MI-COM.'s mute works, a base becomes Hi, and Q450,451 are turned on.
Q451	DTC143TK or UN2216	PRE OUT MUTE SW(L ch.)	

KRC-19A/G,289

MICROCOMPUTER'S TERMINAL DESCRIPTION

● Terminal Description IC1 : MI-COM. (X14-)

Pin No.	Pin Name	I/O	Description	Processing Operation
1	XIN	I	Main clock resonator connection terminal	
2	GND	-	TEST terminal 2	Connected to GND lines.
3	L DATA L	I	Data input from the LCD driver IC	
4	L DATA S	O	Data output to the LCD driver IC	
5	L CLK	O	Clock output to the LCD driver IC	
6	L CE	O	CE output to the LCD driver IC	
7	SDA	I/O	Data input/output with the E-VOL. IC	
8	PLL DATA	I/O	Data input/output with the F/E	
9	PLL CLK	O	Clock output to the F/E	
10	SD	I	SD input from the F/E	Hi : Station detected
11	DATA C	I	Data input from changers	
12	DATA H	O	Data output to changers	
13	$\overline{\text{CH CLK}}$	I/O	Clock input/output with changers	
14		O		N.C.(Not used)
15	MOTOR	O	Cassette motor on/off output	Hi : Motor ON
16	SCL	O	Clock output to the E-VOL. IC	
17-24		O		N.C.(Not used)
25	AM+B	O	AM+B ON/OFF output	Hi : during AM reception
26	FM+B	O	FM+B ON/OFF output	Hi : during FM reception
27	$\overline{\text{PACK IN}}$	I	Cassette tape Pack-in detection input	Lo : Pack-in
28	$\overline{\text{FF/REW}}$	I	FF/REW detection input	Lo : FF/REW, Hi : PLAY
29	GND	I		Connected to GND lines.
30	GND	I		Connected to GND lines.
31	VDD	-	VDD connection terminal	Connected to B.U. 5V lines.
32	$\overline{\text{REQ C}}$	I	Request input from changers	Lo : Request
33	MUTE	O	Audio mute on/off output	Hi : Mute ON
34	CH CON	O	Changer control	Lo : Standby, Hi : ON
35	$\overline{\text{REQ H}}$	O	Request output to changers	Lo : Request
36	SVR	O	Power IC reset terminal	When the momentary power down, after ACC ON/OFF is detected and after POWER OFF, the output becomes Hi temporarily.
37	AMP STBY	O	Power IC standby control output	Hi : POWER ON mode
38	AMP MUTE	O	Power IC mute control	Lo : Mute
39	P CON	O	Power control	Hi : POWER ON mode
40	ANT CON	O	Antenna control	Hi : during FM/AM reception
41	SW5V	O	SW 5V control	Lo : POWER ON mode
42	ILL	O	Illumination AVR ON/OFF control terminal	Hi : POWER ON mode
43		O		N.C.(Not used)
44	BEEP	O	BEEP sound output	
45-47		O		N.C.(Not used)
48	ROLL OFF	I	Roll off input	Pull down to GND lines. (Not used)
49	NOISE CANCELLER	I	Noise canceller input	Pull down to GND lines. (Not used)
50	SEL1	I	Destination input 1	Lo : KDC-19A/G, Hi : KDC-289
51	SEL2	I	Destination input 2	Pull down to GND lines. (Not used)
52		O		N.C.(Not used)
53	$\overline{\text{EQ MUTE}}$	O	Tape equaliser mute on/off output	N.C.(Not used)
54	$\overline{\text{FWD/REV}}$	I	FWD/REV detection input	Lo : REV mode
55		O		N.C.(Not used)
56	$\overline{\text{REMO}}$	I	Data input from the remote control light sensor	Pull down to GND lines. (Not used)
57-60		O		N.C.(Not used)
61	ACC DET	I	ACC detection input	Hi : ACC ON

MICROCOMPUTER'S TERMINAL DESCRIPTION

● **Terminal Description IC1 : MI-COM. (X14-)**

Pin No.	Pin Name	I/O	Description	Processing Operation
62	B.U. DET	I	Momentary power down detection input	Hi : When momentary power down detected or B.U. OFF, Lo : B.U. ON
63	S METER	I	S-meter input from the F/E	
64	$\overline{\text{PANEL}}$	I	Panel detaching detection input	Lo : Panel not detached
65	GND	I		Connected to GND lines.
66	GND	I		Connected to GND lines.
67	HOLD	I	MI-COM. HOLD input	Lo : Hold
68	VDD	-	VDD connection terminal	Connected to B.U. 5V lines.
69	GND	I		Connected to GND lines.
70	GND	I		Connected to GND lines.
71,72		O		N.C.(Not used)
73	VDD	-	VDD connection terminal	Connected to B.U. 5V lines.
74	GND	I		Connected to GND lines.
75	GND	I		Connected to GND lines.
76	VSS	-	Ground connection terminal	Connected to GND lines.
77,78		O		N.C.(Not used)
79	GND	-	TEST terminal 1	Connected to GND lines.
80	XOUT	O	Main clock resonator connection terminal	

TEST MODE

1. How to enter the test mode

- Reset the unit while holding the "FM" key and preset "6" key.
- All indication segments go ON at the beginning of the test mode.

2. How to release the test mode

- Simply reset the unit.
- (NOTE) The test mode is not canceled by ACC OFF, power OFF, momentary power down or the panel off.

3. Audio adjustment

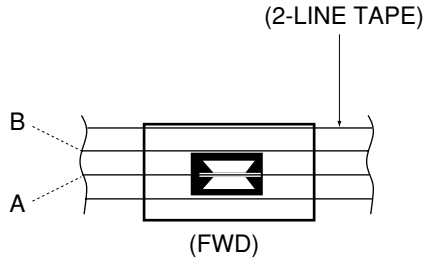
- Set the volume level to -10dB (which is shown as "30" on the display).
- Loudness OFF.
- The BASS / TREBLE and BALANCE / FADER controls can be set to the full boost / full cut and full right / full left and full front / full rear respectively by pressing the "Track Up" / "Track Down" keys.
- Sound coordination doesn't appear for the feed.

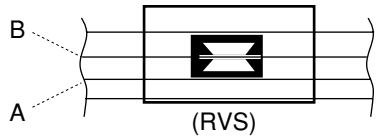
ADJUSTMENT/EINSTELLUNGEN (MECHA.)

Head Angle Adjustment

Head height alignment procedure

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

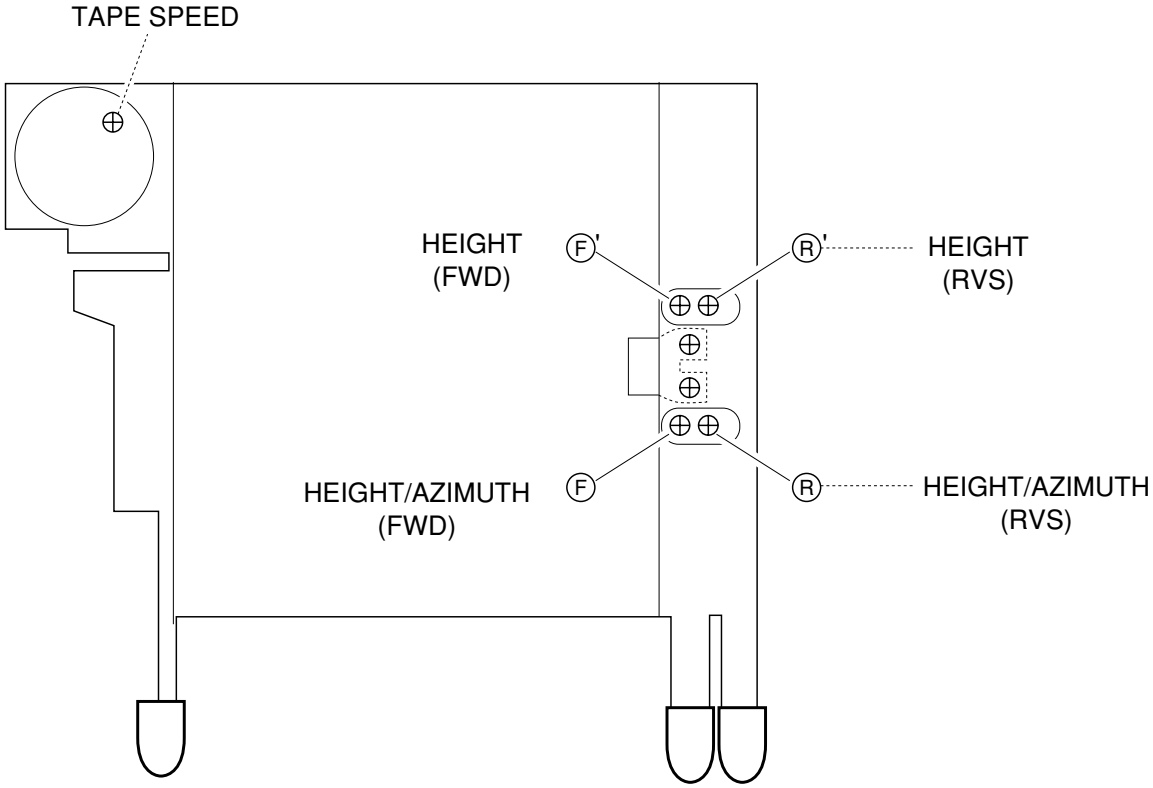




Einstellung des Kopfwinkels

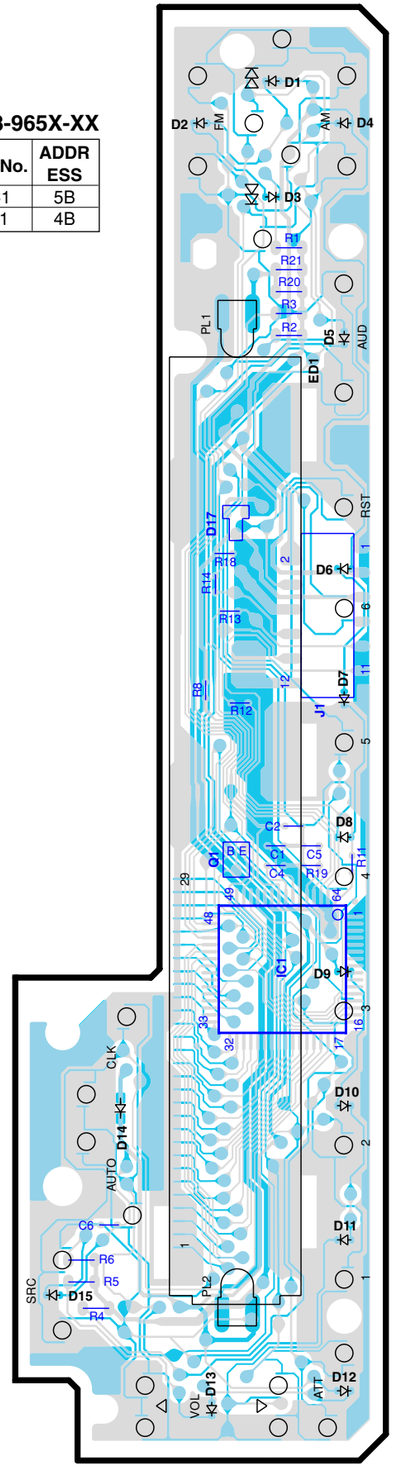
Vorgehensweise bei der Kopfhöhen-Einstellung

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



PC BOARD (Component side view)

X13-965X-XX (J74-0963-42)



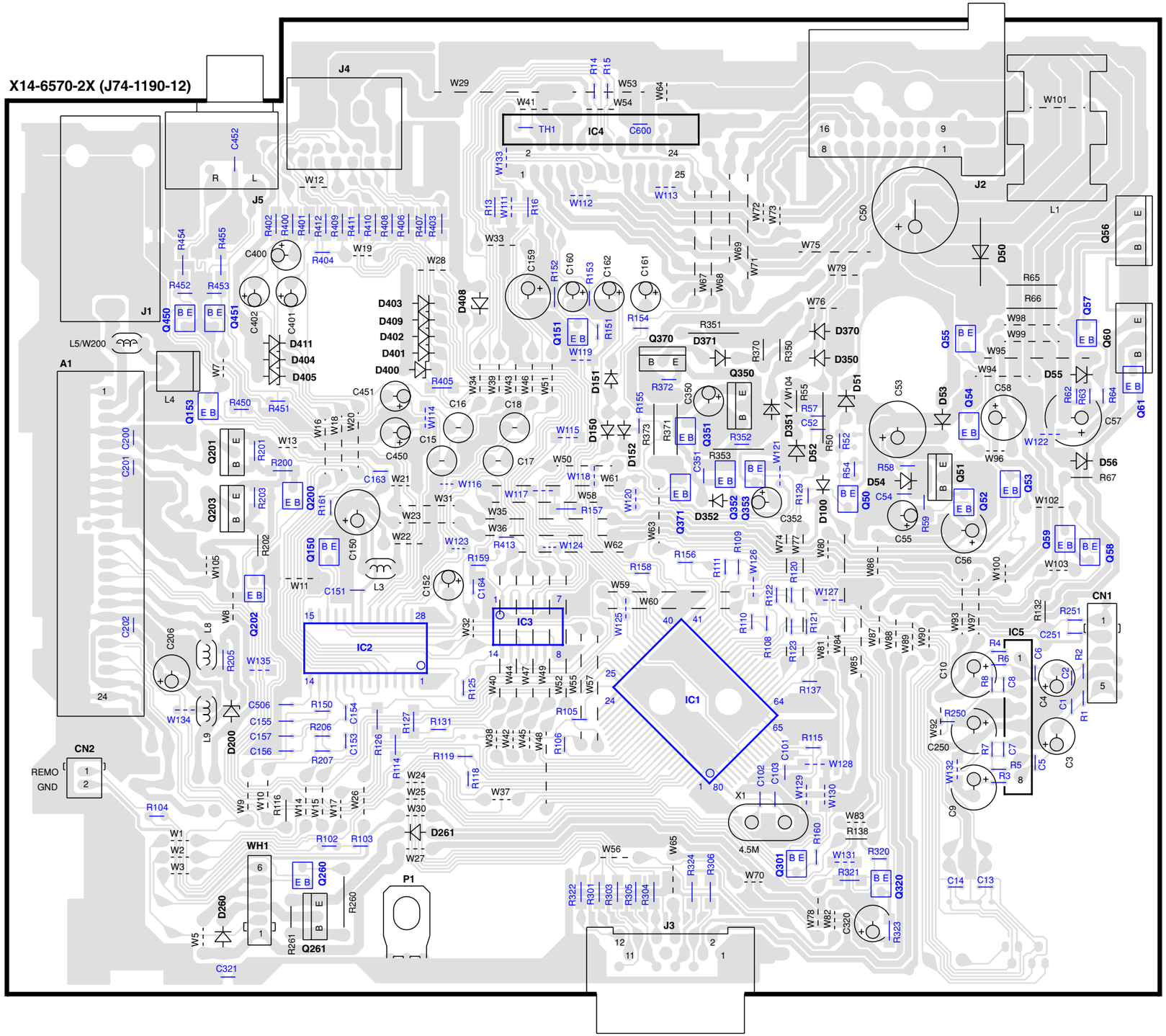
X13-965X-XX

Ref.No.	ADDR ESS
IC1	5B
Q1	4B

X14-6570-2X

Ref.No.	ADDR ESS
IC1	5G
IC2	5E
IC3	5F
IC4	2G
IC5	5I
Q50	4H
Q51	4I
Q52	4I
Q53	4I
Q54	3I
Q55	3I
Q56	2J
Q57	3I
Q58	4J
Q59	4I
Q60	3J
Q61	3J
Q150	4E
Q151	3F
Q153	3D
Q200	4E
Q201	4E
Q202	4E
Q203	4E
Q260	6E
Q261	6E
Q301	6H
Q320	6H
Q350	3G
Q351	3G
Q352	4G
Q353	4H
Q370	3G
Q371	4G
Q450	3D
Q451	3E

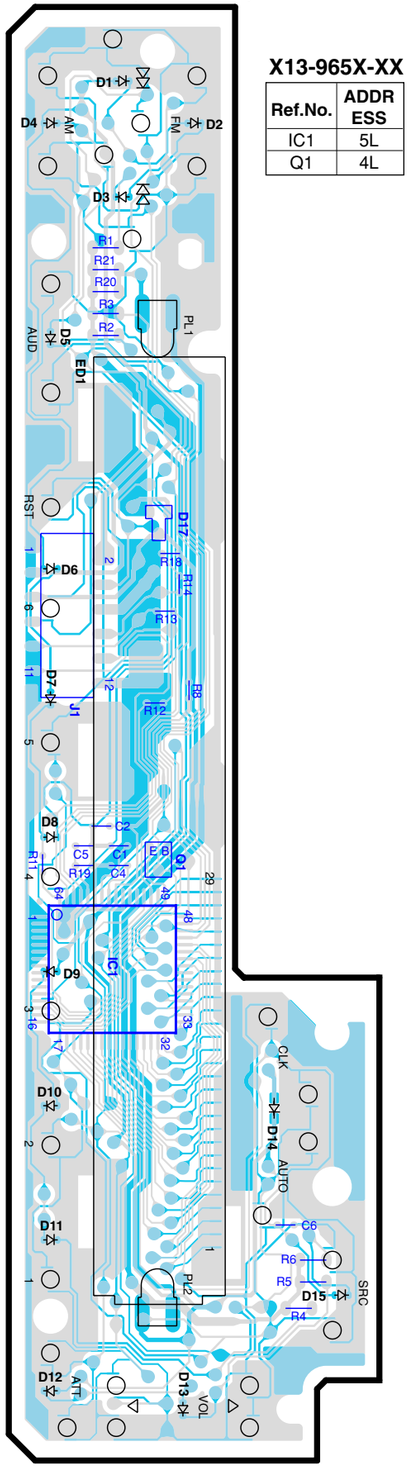
X14-6570-2X (J74-1190-12)



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

PC BOARD (Foil side view)

X13-965X-XX (J74-0963-42)



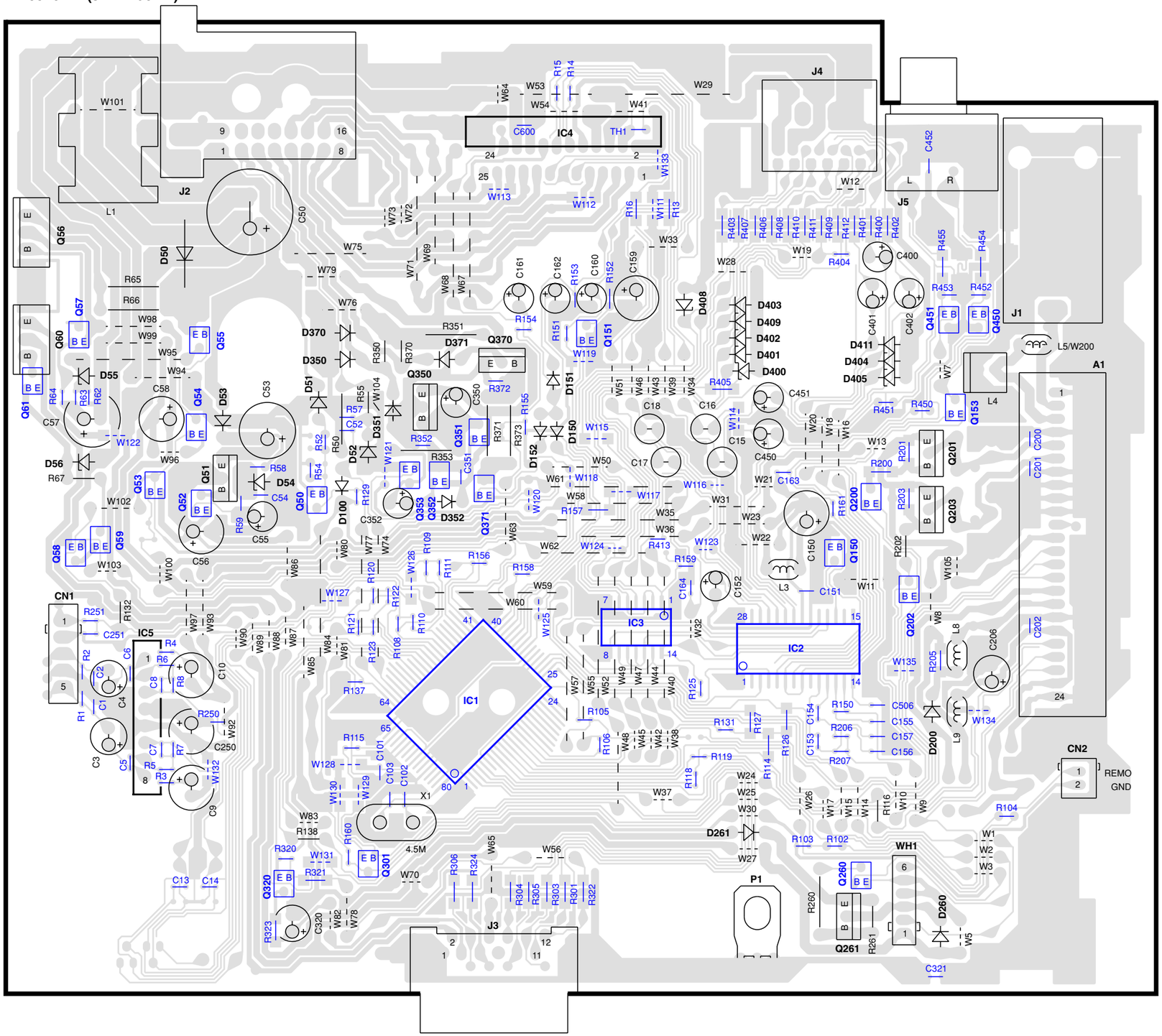
X13-965X-XX

Ref.No.	ADDRESS
IC1	5L
Q1	4L

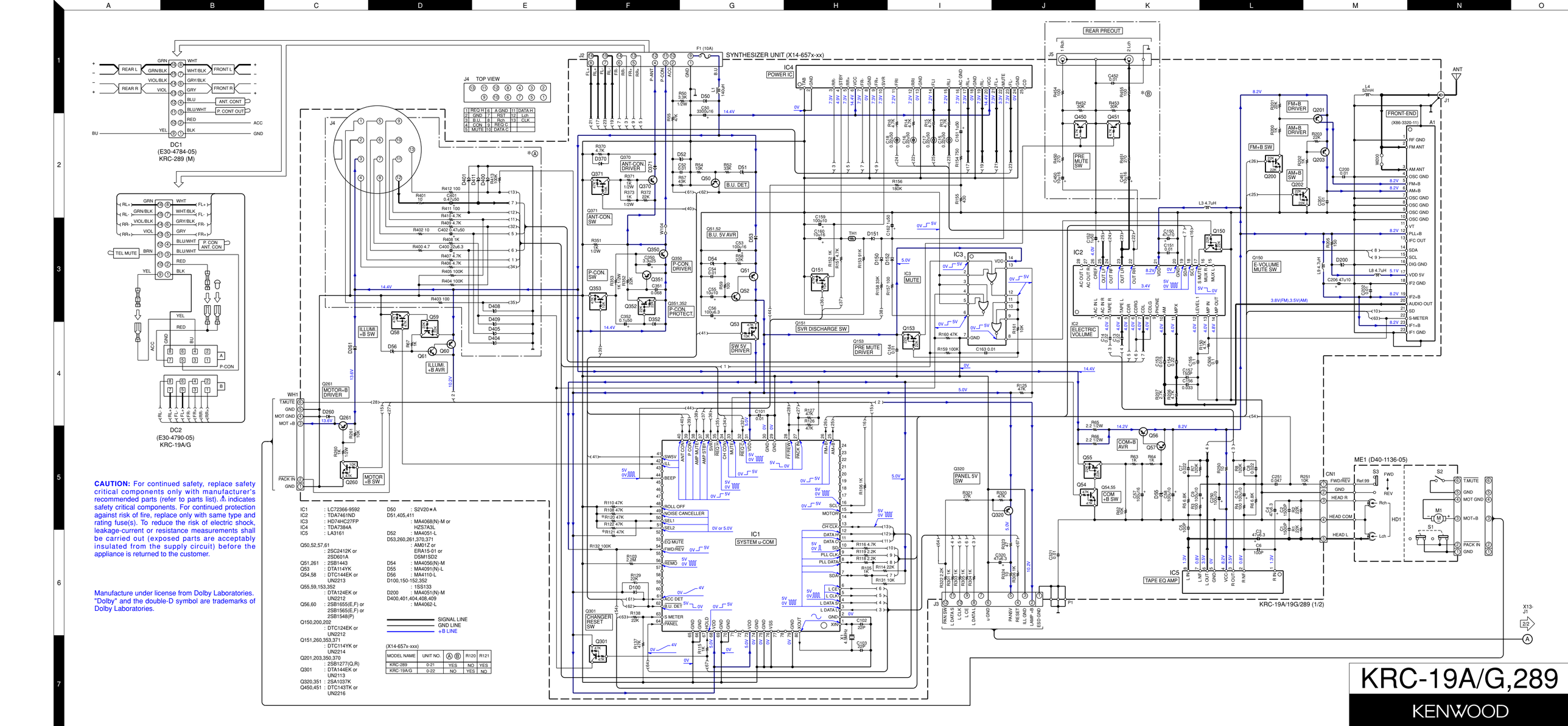
X14-6570-2X

Ref.No.	ADDRESS
IC1	5P
IC2	5R
IC3	5Q
IC4	2Q
IC5	5N
Q50	4O
Q51	4O
Q52	4N
Q53	4N
Q54	3O
Q55	3O
Q56	2N
Q57	3N
Q58	4N
Q59	4N
Q60	3N
Q61	3N
Q150	4R
Q151	3Q
Q153	3S
Q200	4R
Q201	4S
Q202	4S
Q203	4S
Q260	6R
Q261	6R
Q301	6P
Q320	6O
Q350	3P
Q351	3P
Q352	4P
Q353	4P
Q370	3P
Q371	4P
Q450	3S
Q451	3S

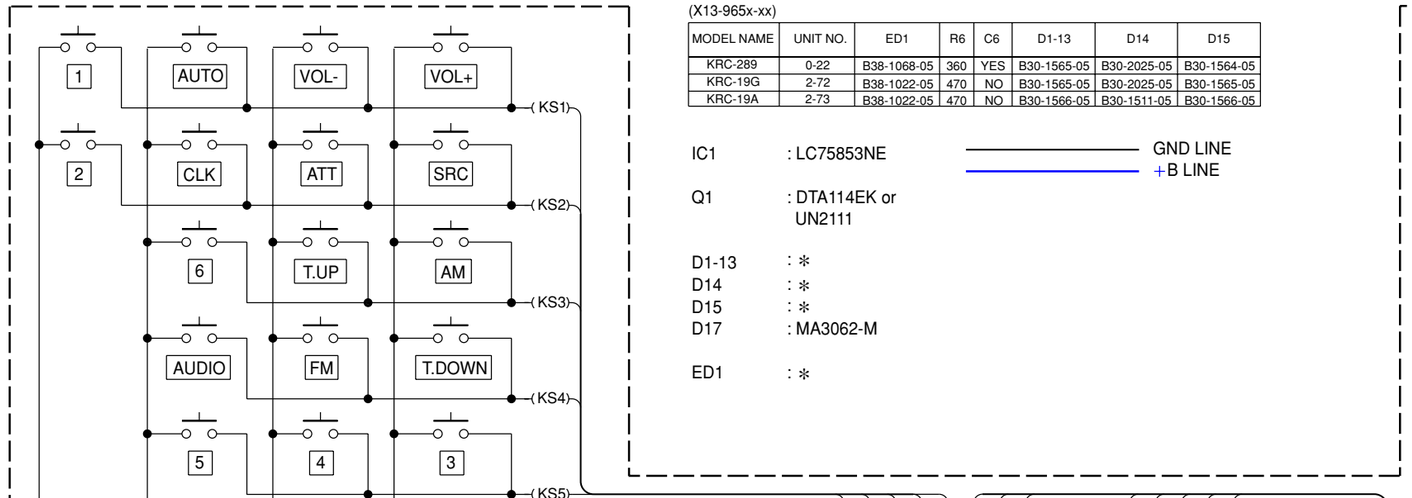
X14-6570-2X (J74-1190-12)



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


SYNTHESIZER UNIT (X14-657x-xx)
REAR PREOUT
DC1
(E30-4784-05)
KRC-289 (M)
DC2
(E30-4790-05)
KRC-19A/G
IC1 : LC72366-9592
IC2 : TDA7461ND
IC3 : HD74HC27FP
IC4 : TDA7384A
IC5 : LA3161
Q50,52,57,61 : 2SC2412K or 2SD601A
Q51,261 : 2SB1443
Q53 : DTA114YK
Q54,58 : DTC144EK or UN2213
Q55,59,153,352 : DTA124EK or UN2212
Q56,60 : 2SB1655(E,F) or 2SB1565(E,F) or 2SB1548(P)
Q150,200,202 : DTC124EK or UN2212
Q151,260,353,371 : DTC114YK or UN2214
Q201,203,350,370 : 2SB1277(Q,R)
Q301 : DTA144EK or UN2113
Q320,351 : 2SA1037K
Q450,451 : DTC143TK or UN2216
D50 : S2V20★A
D51,405,411 : MA4068(N)-M or HZS7A3L
D52 : MA4051-L
D53,260,261,370,371 : AM01Z or ERA15-01 or DSM1SD2
D54 : MA4056(N)-M
D55 : MA4091(N)-L
D56 : MA4110-L
D100,150-152,352 : 1SS133
D200 : MA4051(N)-M
D400,401,404,408,409 : MA4062-L
SIGNAL LINE
GND LINE
+B LINE
(X14-657x-xxx)
MODEL NAME | UNIT NO. | Ⓐ Ⓑ | R120 | R121
KRC-289 | 0-21 | YES | NO | YES
KRC-19A/G | 0-22 | NO | YES | NO
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.
Manufacture under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories.
KRC-19A/19G/289 (1/2)
KRC-19A/G,289
KENWOOD

SWITCH UNIT (X13-965x-xx)



(X13-965x-xx)

MODEL NAME	UNIT NO.	ED1	R6	C6	D1-13	D14	D15
KRC-289	0-22	B38-1068-05	360	YES	B30-1565-05	B30-2025-05	B30-1564-05
KRC-19G	2-72	B38-1022-05	470	NO	B30-1565-05	B30-2025-05	B30-1565-05
KRC-19A	2-73	B38-1022-05	470	NO	B30-1566-05	B30-1511-05	B30-1566-05

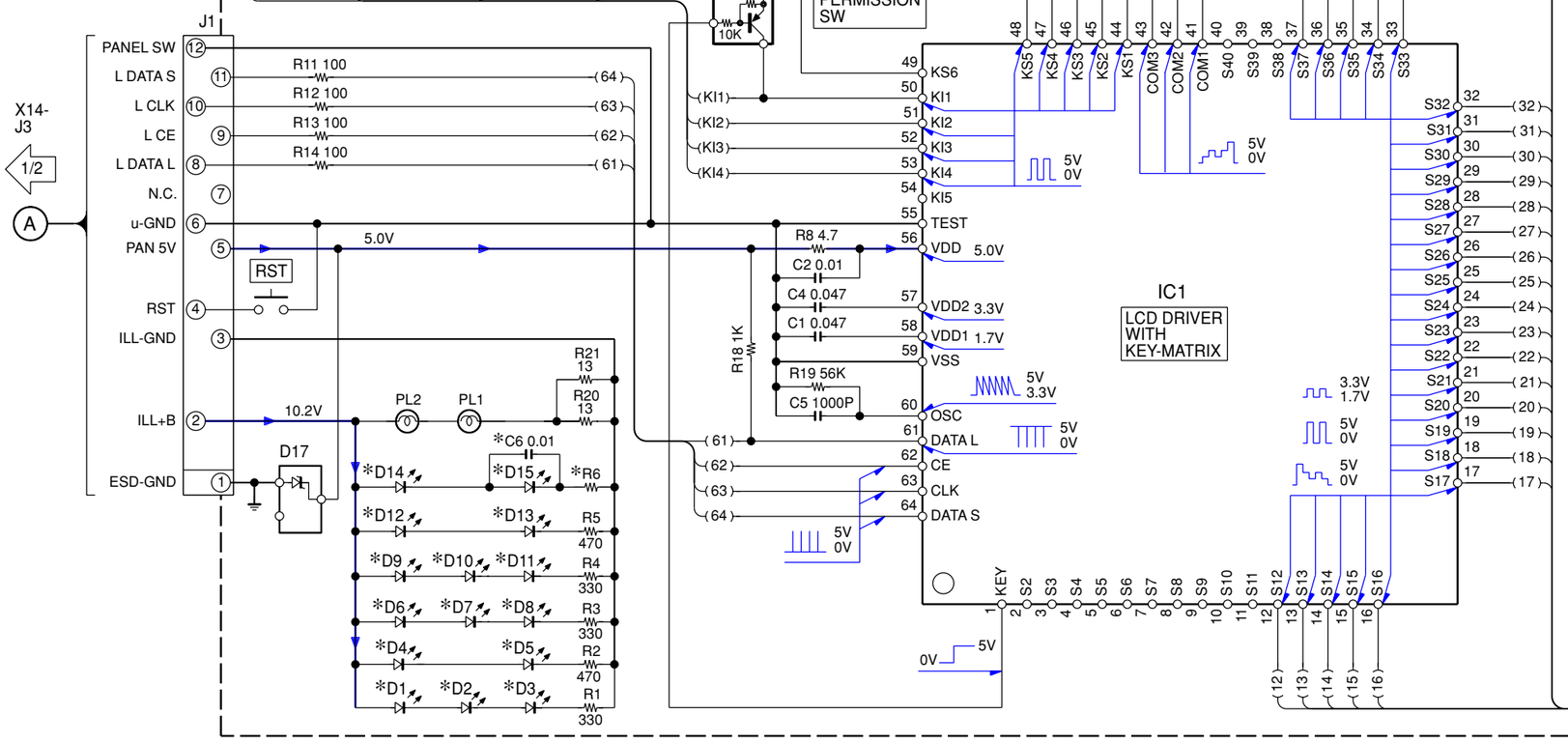
IC1 : LC75853NE

Q1 : DTA114EK or UN2111

D1-13 : *
D14 : *
D15 : *
D17 : MA3062-M

ED1 : *

GND LINE
+B LINE



KRC-19A/19G/289 (2/2)

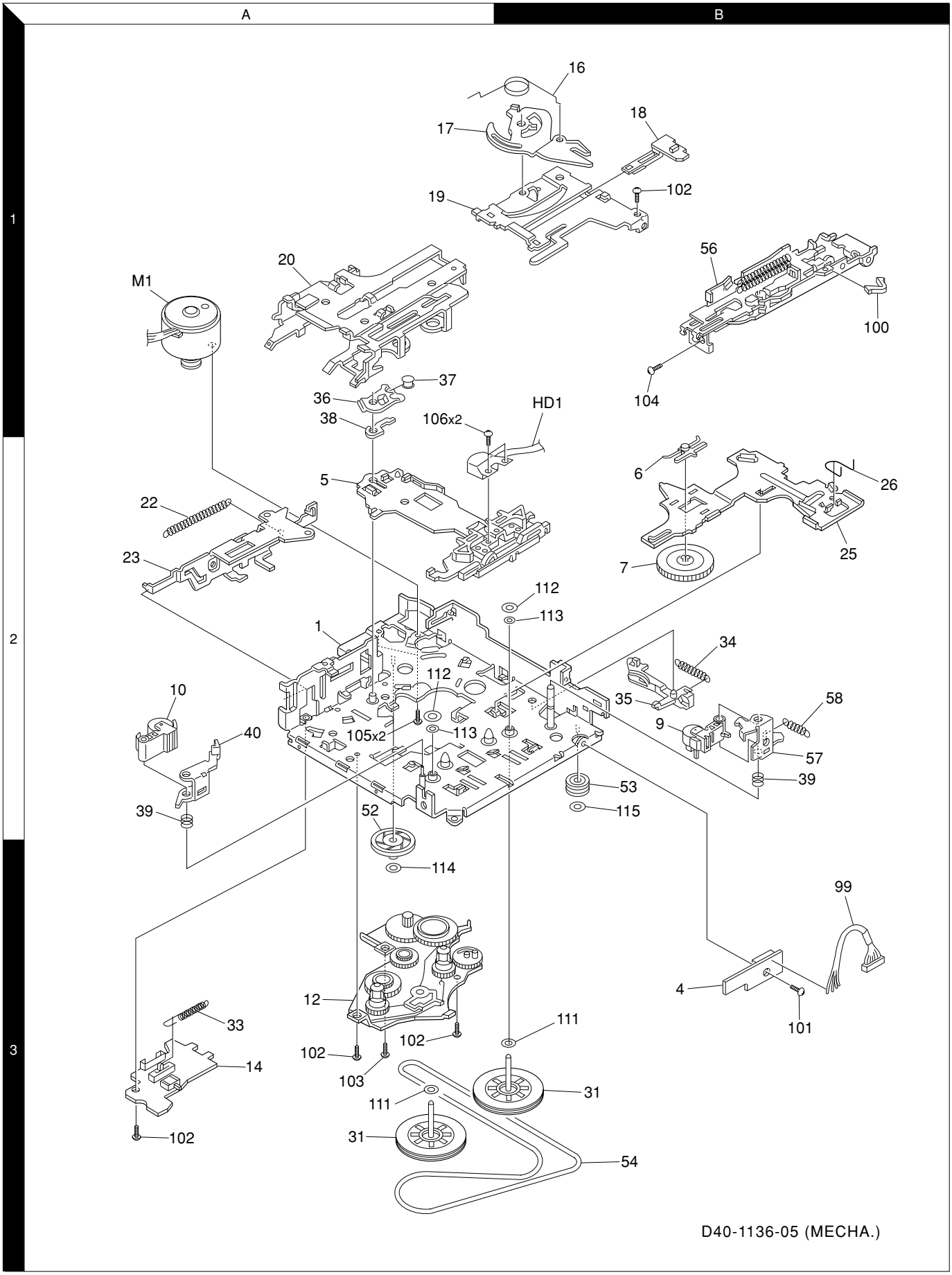
CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock,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

Manufacture under license from Dolby Laboratories.
"Dolby" and the double-D symbol are trademarks of Dolby Laboratories.

KRC-19A/G,289

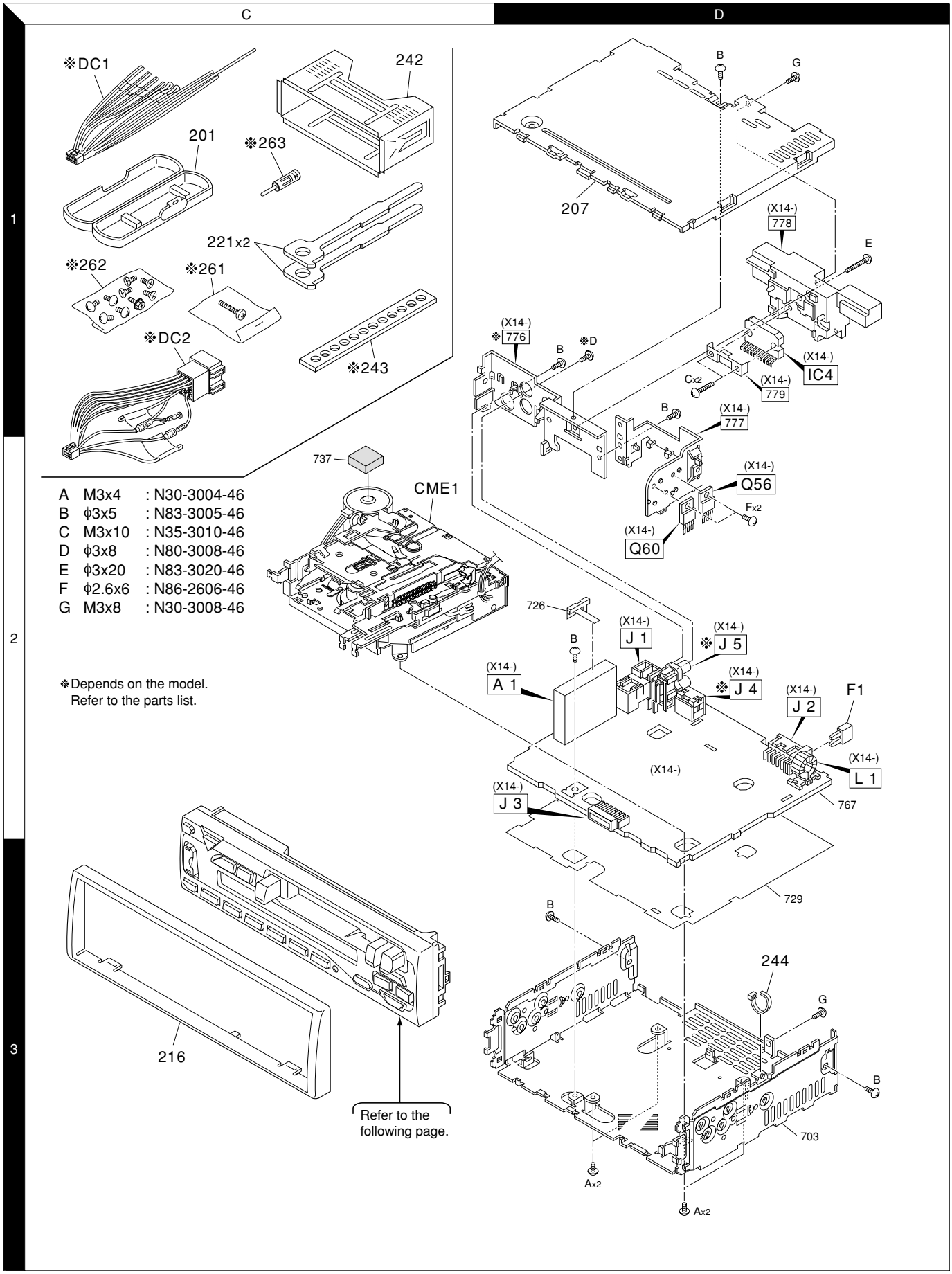
KENWOOD

EXPLODED VIEW (MECHANISM)



Parts with exploded numbers larger than 700 are not supplied.

EXPLODED VIEW (UNIT)



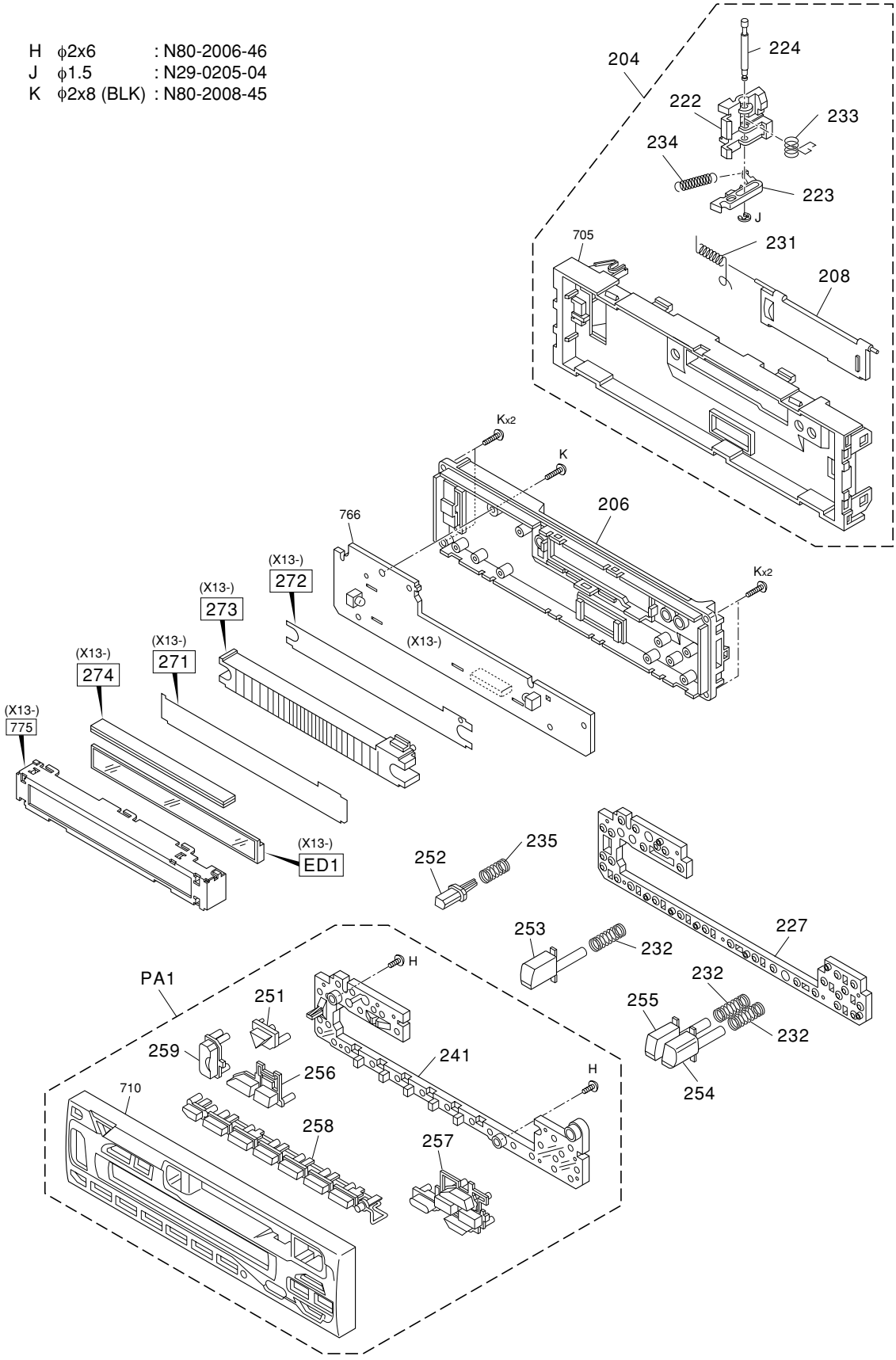
Parts with exploded numbers larger than 700 are not supplied.

EXPLODED VIEW (UNIT)

E F

1 2 3

H φ2x6 : N80-2006-46
J φ1.5 : N29-0205-04
K φ2x8 (BLK) : N80-2008-45



Parts with exploded numbers larger than 700 are not supplied.

PARTS LIST

✻ 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	New	Parts No.	Description	Destination
			KRC-19A/19G/289		
201	1C		A02-1486-13	PLASTIC CABINET ASSY	
204	1F	✻	A22-2386-13	SUB PANEL ASSY	
206	2F		A46-1654-01	REAR COVER	
207	1D		A52-0756-02	TOP PLATE	
208	1F		A53-1638-13	CASSETTE LID	
PA1	3E	✻	A64-2299-02	PANEL ASSY	M
PA1	3E	✻	A64-2307-02	PANEL ASSY	Z2Z3
216	3C		B07-2188-02	ESCUTCHEON	
-			B46-0100-50	WARRANTY CARD	
-			B46-0182-14	ID CARD	Z3
-			B46-0606-04	ID CARD	MZ2
-		✻	B64-1850-00	INST.MANUAL (ENG,CHI)	M
-		✻	B64-1851-00	INST.MANUAL (ARABIC)	M
-		✻	B64-1859-00	INST.MANUAL (ENG,SPA)	Z2Z3
221	1C		D10-3031-04	LEVER	
222	1F		D10-4446-03	LEVER	
223	1F		D10-4447-03	LEVER	
224	1F		D21-2329-04	SHAFT	
CME1	2C		D40-1136-05	CASSETTE MECHANISM ASSY	
227	3F		E29-1599-02	CONDUCTIVE RUBBER	
⚠ DC1	1C		E30-4784-05	DC CORD	M
⚠ DC2	1C		E30-4790-05	DC CORD	Z2Z3
⚠ F1	2D		F52-0006-05	FUSE(MINI BLADE TYPE) (10A)	
⚠ F1	2D		F52-0011-05	FUSE(MINI BLADE TYPE) (10A)	
231	1F		G01-2525-04	TORSION COIL SPRING	
232	3F		G01-2793-14	COMPRESSION SPRING	
233	1F		G01-2987-04	TORSION COIL SPRING	
234	1F		G01-2988-04	EXTENSION SPRING	
235	2F		G01-2990-04	COMPRESSION SPRING	
-			H10-4685-12	POLYSTYRENE FOAMED FIXTURE	
-			H25-0329-04	PROTECTION BAG (280X450X0.03)	M
-			H25-0337-04	PROTECTION BAG (180X300X0.03)	
-			H25-1111-04	PROTECTION BAG (280X450X0.03)	Z2Z3
-		✻	H54-1872-03	ITEM CARTON CASE	M
-		✻	H54-1885-13	ITEM CARTON CASE	Z2
-		✻	H54-1942-13	ITEM CARTON CASE	Z3
241	3E		J19-4980-02	HOLDER	
242	1C		J21-9491-13	MOUNTING HARDWARE ASSY	
243	1C		J54-0606-04	STAY	M
244	3D		J61-0307-05	WIRE BAND	
251	3E		K24-3542-04	KNOB (SRC)	
252	2E		K24-3544-04	KNOB (RELEASE)	
253	3F		K24-3545-04	KNOB (EJECT)	
254	3F		K24-3546-04	KNOB (FF)	
255	3F		K24-3547-04	KNOB (REW)	
256	3E		K25-1101-03	KNOB (CLK,AUTO)	
257	3E		K25-1102-03	KNOB (FM,AM,UP,DOWN,AUD)	
258	3E		K25-1103-03	KNOB (PRE1-6,ATT)	
259	3E		K25-1108-03	KNOB (VOL)	
261	1C		N99-1610-15	SCREW SET	M
262	1C		N99-1632-05	SCREW SET	M
A	3D		N30-3004-46	PAN HEAD MACHINE SCREW	
B	3D		N83-3005-46	PAN HEAD TAPTITE SCREW	
G	1D		N30-3008-46	PAN HEAD MACHINE SCREW	
H	3E		N80-2006-46	PAN HEAD TAPTITE SCREW	
J	1F		N29-0205-04	RETAINING RING (1.5)	
K	2F		N80-2008-45	PAN HEAD TAPTITE SCREW	
263	1C		T90-0523-05	ANTENNA ADAPTOR	Z2Z3
263	1C		T90-0534-05	ANTENNA ADAPTOR	Z2Z3
			SWITCH UNIT(X13-965X-XX)		
271	2E		B11-0991-04	OPTICAL DIFFUSER	
272	2E		B11-0992-04	REFLECTION SHEET	
273	2E		B19-2019-03	LIGHTING BOARD	
D1 -13			B30-1565-05	LED(1608,PG)	MZ2
D1 -13			B30-1566-05	LED(1608,RED)	Z3
D14			B30-1511-05	LED(RED)	Z3
D14			B30-2025-05	LED(GRN)	MZ2
D15			B30-1564-05	LED(1608,BLUE)	M
D15			B30-1565-05	LED(1608,PG)	Z2
D15			B30-1566-05	LED(1608,RED)	Z3
ED1	2E		B38-1022-05	LIQUID CRYSTAL	Z2Z3
ED1	2E		B38-1068-05	LIQUID CRYSTAL	M
PL1 ,2			B30-1483-05	LAMP (5.5V 0.125A)	
C1			CK73GB1E473K	CHIP C 0.047UF K	
C2			CK73GB1H103K	CHIP C 0.010UF K	
C4			CK73GB1E473K	CHIP C 0.047UF K	
C5			CK73GB1H102K	CHIP C 1000PF K	
C6			CK73GB1H103K	CHIP C 0.010UF K	M
274	2E		E29-1600-04	CONDUCTIVE RUBBER	
J1			E59-0831-05	RECTANGULAR PLUG (12P)	
R1			RK73EB2B331J	CHIP R 330 J 1/8W	
R2			RK73EB2B471J	CHIP R 470 J 1/8W	
R3 ,4			RK73EB2B331J	CHIP R 330 J 1/8W	
R5			RK73EB2B471J	CHIP R 470 J 1/8W	M
R5 ,6			RK73EB2B471J	CHIP R 470 J 1/8W	Z2Z3
R6			RK73EB2B361J	CHIP R 360 J 1/8W	M
R8			RK73GB1J4R7J	CHIP R 4.7 J 1/16W	
R11 -14			RK73GB1J101J	CHIP R 100 J 1/16W	
R18			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R19			RK73GB1J563J	CHIP R 56K J 1/16W	
R20 ,21			RK73EB2B130J	CHIP R 13 J 1/8W	
D17			MA3062-M	ZENER DIODE	
IC1			LC75853NE	MOS-IC	
Q1			DTA114EK	DIGITAL TRANSISTOR	
Q1			UN2111	DIGITAL TRANSISTOR	
			SYNTHESIZER UNIT(X14-6570-2X)		
C1 ,2			CK73GB1H152K	CHIP C 1500PF K	
C3 ,4			CE04CW0J470M	ELECTRO 47UF 6.3WV	
C5 ,6			CC73GCH1H101J	CHIP C 100PF J	
C7 ,8			CK73GB1E223K	CHIP C 0.022UF K	
C7 ,8			CK73GB1H223K	CHIP C 0.022UF K	
C9 ,10			CE04CW1A101M	ELECTRO 100UF 10WV	

M : KRC-289 **Z2**: KRC-19G **Z3**: KRC-19A

⚠ indicates safety critical components.

KRC-19A/G,289

PARTS LIST

✻ 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	New	Parts No.	Description			Destination
C13 ,14			CK73GB1A224K	CHIP C	0.22UF	K	
C15 -18			C90-5296-05	NP-ELECT	0.22UF	50WV	
C50			C90-5242-05	ELECTRO	3300UF	16WV	
C52			CK73GB1H103K	CHIP C	0.010UF	K	
C53			CE04CW1C101M	ELECTRO	100UF	16WV	
C54			CK73GB1H103K	CHIP C	0.010UF	K	
C55			C90-2594-05	ELECTRO	10UF	10WV	
C56			CE04CW0J101M	ELECTRO	100UF	6.3WV	
C57			CE04CW1C101M	ELECTRO	100UF	16WV	
C58			CE04CW1A101M	ELECTRO	100UF	10WV	
C101			CK73GB1H103K	CHIP C	0.010UF	K	
C102,103			CC73GCH1H220J	CHIP C	22PF	J	
C150			CE04CW1A470M	ELECTRO	47UF	10WV	
C151			CK73GB1H103K	CHIP C	0.010UF	K	
C152			C90-2608-05	ELECTRO	1.0UF	50WV	
C153			CK73GB1H153K	CHIP C	0.015UF	K	
C154			CK73GB1A224K	CHIP C	0.22UF	K	
C155			CK73GB1C104K	CHIP C	0.10UF	K	
C156			CK73GB1E333K	CHIP C	0.033UF	K	
C156			CK73GB1H333K	CHIP C	0.033UF	K	
C157			CC73GCH1H151J	CHIP C	150PF	J	
C159			CE04CW1A101M	ELECTRO	100UF	10WV	
C160			C90-2597-05	ELECTRO	10UF	16WV	
C161			C90-2935-05	ELECTRO	1.0UF	50WV	
C162			C90-2608-05	ELECTRO	1.0UF	50WV	
C163,164			CK73GB1H103K	CHIP C	0.010UF	K	
C200-202			CK73GB1H103K	CHIP C	0.010UF	K	
C206			CE04DW1A470M	ELECTRO	47UF	10WV	
C250			CE04CW1A101M	ELECTRO	100UF	10WV	
C251			CK73GB1E473K	CHIP C	0.047UF	K	
C320			CE04CW0J470M	ELECTRO	47UF	6.3WV	
C321			CK73GB1H103K	CHIP C	0.010UF	K	
C350			C90-2598-05	ELECTRO	3.3UF	25WV	
C351			CK73GB1C683K	CHIP C	0.068UF	K	
C352			C90-2602-05	ELECTRO	0.10UF	50WV	
C400			CE04CW0J220M	ELECTRO	22UF	6.3WV	M
C401,402			C90-2606-05	ELECTRO	0.47UF	50WV	M
C450,451			C90-2597-05	ELECTRO	10UF	16WV	M
C452			CK73GB1H103K	CHIP C	0.010UF	K	M
C506			CK73GB1C104K	CHIP C	0.10UF	K	
CN1			E40-3240-05	PIN ASSY (5P)			
J1	2D		E04-0312-05	RF COAXIAL CABLE RECEPTACLE			
⚠ J2	2D		E58-0863-15	RECTANGULAR RECEPTACLE (16P)			
J3	2D		E58-0888-05	RECTANGULAR RECEPTACLE (12P)			
J4	2D		E56-0834-05	CYLINDRICAL RECEPTACLE (13P)			M
J5	2D		E63-0013-05	PIN JACK (2P)			M
WH1			E39-0344-05	WIRING HARNESS (6P)			
⚠ L1	2D		L33-1063-15	CHOKE COIL (140UH)			
L3			L40-4795-91	SMALL FIXED INDUCTOR(4.7UH,J)			
L4			L33-1123-05	LINE FILTER COIL (52mH)			
L8 ,9			L40-4795-91	SMALL FIXED INDUCTOR(4.7UH,J)			
X1			L77-1163-05	CRYSTAL RESONATOR(4.5MHZ)			
X1			L77-1165-05	CRYSTAL RESONATOR(4.5MHZ)			

Ref.No.	Add	New	Parts No.	Description				Destination
B	1D		N83-3005-46	PAN HEAD TAPTITE SCREW				
C	1D		N35-3010-46	BINDING HEAD MACHINE SCREW				
D	1D		N80-3008-46	PAN HEAD TAPTITE SCREW				M
E	1D		N83-3020-46	PAN HEAD TAPTITE SCREW				
F	2D		N86-2606-46	BINDING HEAD TAPTITE SCREW				
R1 ,2			RK73GB1J223J	CHIP R	22K	J	1/16W	
R3 ,4			RK73GB1J101J	CHIP R	100	J	1/16W	
R5 ,6			RK73GB1J682J	CHIP R	6.8K	J	1/16W	
R7 ,8			RK73GB1J124J	CHIP R	120K	J	1/16W	
R13			RK73EB2B472J	CHIP R	4.7K	J	1/8W	
R14 ,15			RK73GB1J472J	CHIP R	4.7K	J	1/16W	
R16			RK73EB2B472J	CHIP R	4.7K	J	1/8W	
R50			RD14DB2H332J	SMALL-RD	3.3K	J	1/2W	
R52			RK73FB2A333J	CHIP R	33K	J	1/10W	
R54			RK73FB2A103J	CHIP R	10K	J	1/10W	
R55			RD14BB2C473J	RD	47K	J	1/6W	
R57			RK73GB1J433J	CHIP R	43K	J	1/16W	
R58			RK73FB2A223J	CHIP R	22K	J	1/10W	
R59			RK73GB1J101J	CHIP R	100	J	1/16W	
R62			RK73GB1J103J	CHIP R	10K	J	1/16W	
R63 ,64			RK73GB1J102J	CHIP R	1.0K	J	1/16W	
R65 ,66			RD14DB2H2R2J	SMALL-RD	2.2	J	1/2W	
R67			RD14BB2C102J	RD	1.0K	J	1/6W	
R103			RK73GB1J225J	CHIP R	2.2M	J	1/16W	
R105,106			RK73GB1J102J	CHIP R	1.0K	J	1/16W	
R108			RK73GB1J473J	CHIP R	47K	J	1/16W	
R110			RK73GB1J473J	CHIP R	47K	J	1/16W	
R114			RK73EB2B223J	CHIP R	22K	J	1/8W	
R115			RK73GB1J102J	CHIP R	1.0K	J	1/16W	
R116			RD14BB2C472J	RD	4.7K	J	1/6W	
R118,119			RK73GB1J222J	CHIP R	2.2K	J	1/16W	
R120			RK73GB1J473J	CHIP R	47K	J	1/16W	Z2Z3
R121,122			RK73GB1J473J	CHIP R	47K	J	1/16W	M
R122			RK73GB1J473J	CHIP R	47K	J	1/16W	Z2Z3
R125			RK73GB1J473J	CHIP R	47K	J	1/16W	
R126,127			RK73EB2B473J	CHIP R	47K	J	1/8W	
R129			RK73GB1J223J	CHIP R	22K	J	1/16W	
R131			RK73GB1J103J	CHIP R	10K	J	1/16W	
R132			RD14BB2C104J	RD	100K	J	1/6W	
R137			RK73GB1J473J	CHIP R	47K	J	1/16W	
R138			RD14BB2C223J	RD	22K	J	1/6W	
R150,151			RK73GB1J472J	CHIP R	4.7K	J	1/16W	
R152			RK73FB2A102J	CHIP R	1.0K	J	1/10W	
R153			RK73GB1J913J	CHIP R	91K	J	1/16W	
R154			RK73GB1J751J	CHIP R	750	J	1/16W	
R155			RK73GB1J431J	CHIP R	430	J	1/16W	
R156			RK73GB1J184J	CHIP R	180K	J	1/16W	
R157			RK73EB2B101J	CHIP R	100	J	1/8W	
R158			RK73GB1J333J	CHIP R	33K	J	1/16W	
R159			RK73GB1J104J	CHIP R	100K	J	1/16W	
R160			RK73GB1J473J	CHIP R	47K	J	1/16W	
R161			RK73GB1J103J	CHIP R	10K	J	1/16W	
R200			RK73EB2B102J	CHIP R	1.0K	J	1/8W	
R201			RK73EB2B223J	CHIP R	22K	J	1/8W	
R202			RD14BB2C102J	RD	1.0K	J	1/6W	

M : KRC-289 **Z2**: KRC-19G **Z3**: KRC-19A

⚠ indicates safety critical components.

PARTS LIST

✻ 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	New	Parts No.	Description				Destination
R203			RK73EB2B223J	CHIP R	22K	J	1/8W	
R205			RK73EB2B151J	CHIP R	150	J	1/8W	
R206			RK73GB1J472J	CHIP R	4.7K	J	1/16W	
R207			RK73GB1J272J	CHIP R	2.7K	J	1/16W	
R250			RK73FB2A100J	CHIP R	10	J	1/10W	
R251			RK73GB1J103J	CHIP R	10K	J	1/16W	
R260			RD14DB2H102J	SMALL-RD	1.0K	J	1/2W	
R261			RD14BB2C103J	RD	10K	J	1/6W	
R301			RK73EB2B102J	CHIP R	1.0K	J	1/8W	
R303-306			RK73EB2B102J	CHIP R	1.0K	J	1/8W	
R320			RK73GB1J473J	CHIP R	47K	J	1/16W	
R321			RK73EB2B273J	CHIP R	27K	J	1/8W	
R322			RK73EB2B222J	CHIP R	2.2K	J	1/8W	
R323			RK73EB2B470J	CHIP R	47	J	1/8W	
R324			RK73EB2B100J	CHIP R	10	J	1/8W	
R351			RD14DB2H102J	SMALL-RD	1.0K	J	1/2W	
R352			RK73FB2A223J	CHIP R	22K	J	1/10W	
R353			RD14DB2H102J	SMALL-RD	1.0K	J	1/2W	
R370			RD14BB2C472J	RD	4.7K	J	1/6W	
R371			RD14DB2H102J	SMALL-RD	1.0K	J	1/2W	
R372			RK73FB2A223J	CHIP R	22K	J	1/10W	
R373			RD14DB2H102J	SMALL-RD	1.0K	J	1/2W	
R400			RK73EB2B4R7J	CHIP R	4.7	J	1/8W	M
R401,402			RK73EB2B100J	CHIP R	10	J	1/8W	M
R403			RK73EB2B101J	CHIP R	100	J	1/8W	M
R404			RK73GB1J104J	CHIP R	100K	J	1/16W	M
R405			RK73EB2B104J	CHIP R	100K	J	1/8W	M
R406,407			RK73EB2B472J	CHIP R	4.7K	J	1/8W	M
R408			RK73EB2B102J	CHIP R	1.0K	J	1/8W	M
R409,410			RK73EB2B472J	CHIP R	4.7K	J	1/8W	M
R411,412			RK73EB2B101J	CHIP R	100	J	1/8W	M
R413			RK73GB1J104J	CHIP R	100K	J	1/16W	M
R450,451			RK73FB2A271J	CHIP R	270	J	1/10W	M
R452,453			RK73FB2A303J	CHIP R	30K	J	1/10W	M
R454,455			RK73EB2B101J	CHIP R	100	J	1/8W	M
W111-114			R92-2053-05	CHIP R	0	J	1/8W	Z2Z3
W111-115			R92-2053-05	CHIP R	0	J	1/8W	M
W116			R92-2052-05	CHIP R	0	J	1/10W	
W117			R92-2053-05	CHIP R	0	J	1/8W	
W118			R92-2052-05	CHIP R	0	J	1/10W	
W119			R92-2053-05	CHIP R	0	J	1/8W	
W120,121			R92-2052-05	CHIP R	0	J	1/10W	
W122			R92-2053-05	CHIP R	0	J	1/8W	
W123			R92-2052-05	CHIP R	0	J	1/10W	Z2Z3
W123-125			R92-2052-05	CHIP R	0	J	1/10W	M
W127-133			R92-2053-05	CHIP R	0	J	1/8W	
W134			R92-2052-05	CHIP R	0	J	1/10W	
W135			R92-2053-05	CHIP R	0	J	1/8W	
D50			S2V20✻A	DIODE				
D51			HZS7A3L	ZENER DIODE				
D51			MA4068(N)-M	ZENER DIODE				
D52			MA4051-L	ZENER DIODE				
D53			AM01Z	DIODE				
D53			DSM1SD2	DIODE				

Ref.No.	Add	New	Parts No.	Description	Destination
D53			ERA15-01	DIODE	
D54			MA4056(N)-M	ZENER DIODE	
D55			MA4091(N)-L	ZENER DIODE	
D56			MA4110-L	ZENER DIODE	
D100			1SS133	DIODE	
D150-152			1SS133	DIODE	
D200			MA4051(N)-M	ZENER DIODE	
D260,261			AM01Z	DIODE	
D260,261			DSM1SD2	DIODE	
D260,261			ERA15-01	DIODE	
D352			1SS133	DIODE	
D370,371			AM01Z	DIODE	
D370,371			DSM1SD2	DIODE	
D370,371			ERA15-01	DIODE	
D400,401			MA4062-L	ZENER DIODE	M
D404			MA4062-L	ZENER DIODE	M
D405			HZS7A3L	ZENER DIODE	M
D405			MA4068(N)-M	ZENER DIODE	M
D408,409			MA4062-L	ZENER DIODE	M
D411			HZS7A3L	ZENER DIODE	M
D411			MA4068(N)-M	ZENER DIODE	M
IC1			LC72366-9592	MI-COM IC	
IC2			TDA7461ND	ANALOGUE IC	
IC3			HD74HC27FP	MOS-IC	
IC4	1D		TDA7384A	ANALOGUE IC	
IC5			LA3161	IC(PREAMP X2)	
Q50			2SC2412K	TRANSISTOR	
Q50			2SD601A	TRANSISTOR	
Q51			2SB1443	TRANSISTOR	
Q52			2SC2412K	TRANSISTOR	
Q52			2SD601A	TRANSISTOR	
Q53			DTA114YK	DIGITAL TRANSISTOR	
Q54			DTC144EK	DIGITAL TRANSISTOR	
Q54			UN2213	DIGITAL TRANSISTOR	
Q55			DTA124EK	DIGITAL TRANSISTOR	
Q55			UN2112	DIGITAL TRANSISTOR	
Q56	2D		2SB1548(P)	TRANSISTOR	
Q56	2D		2SB1565(E,F)	TRANSISTOR	
Q56	2D		2SB1655(E,F)	TRANSISTOR	
Q57			2SC2412K	TRANSISTOR	
Q57			2SD601A	TRANSISTOR	
Q58			DTC144EK	DIGITAL TRANSISTOR	
Q58			UN2213	DIGITAL TRANSISTOR	
Q59			DTA124EK	DIGITAL TRANSISTOR	
Q59			UN2112	DIGITAL TRANSISTOR	
Q60	2D		2SB1548(P)	TRANSISTOR	
Q60	2D		2SB1565(E,F)	TRANSISTOR	
Q60	2D		2SB1655(E,F)	TRANSISTOR	
Q61			2SC2412K	TRANSISTOR	
Q61			2SD601A	TRANSISTOR	
Q150			DTC124EK	DIGITAL TRANSISTOR	
Q150			UN2212	DIGITAL TRANSISTOR	
Q151			DTC114YK	DIGITAL TRANSISTOR	
Q151			UN2214	DIGITAL TRANSISTOR	
Q153			DTA124EK	DIGITAL TRANSISTOR	

M : KRC-289 **Z2**: KRC-19G **Z3**: KRC-19A

⚠ indicates safety critical components.

PARTS LIST

✻ 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	New	Parts No.	Description	Destination
Q153			UN2112	DIGITAL TRANSISTOR	
Q200			DTC124EK	DIGITAL TRANSISTOR	
Q200			UN2212	DIGITAL TRANSISTOR	
Q201			2SB1277(Q,R)	TRANSISTOR	
Q202			DTC124EK	DIGITAL TRANSISTOR	
Q202			UN2212	DIGITAL TRANSISTOR	
Q203			2SB1277(Q,R)	TRANSISTOR	
Q260			DTC114YK	DIGITAL TRANSISTOR	
Q260			UN2214	DIGITAL TRANSISTOR	
Q261			2SB1443	TRANSISTOR	
Q301			DTA144EK	DIGITAL TRANSISTOR	
Q301			UN2113	DIGITAL TRANSISTOR	
Q320			2SA1037K	TRANSISTOR	
Q350			2SB1277(Q,R)	TRANSISTOR	
Q351			2SA1037K	TRANSISTOR	
Q352			DTA124EK	DIGITAL TRANSISTOR	
Q352			UN2112	DIGITAL TRANSISTOR	
Q353			DTC114YK	DIGITAL TRANSISTOR	
Q353			UN2214	DIGITAL TRANSISTOR	
Q370			2SB1277(Q,R)	TRANSISTOR	
Q371			DTC114YK	DIGITAL TRANSISTOR	
Q371			UN2214	DIGITAL TRANSISTOR	
Q450,451			DTC143TK	DIGITAL TRANSISTOR	M
Q450,451			UN2216	DIGITAL TRANSISTOR	M
TH1			PTH9C42BD471Q	POSITIVE RESISTOR	
A1	2D	✻	X86-3320-11	TUNER UNIT	
CASSETTE MECHANISM ASSY(D40-1136-05)					
1	2A		A10-4328-08	CHASISS CALKING ASSY	
4	3B		J26-4017-08	PRINTED WIRING BOARD ASSY	
5	2A		J21-7778-08	MOUNTING HARDWARE	
6	2B		D10-4091-08	SLIDER	
7	2B		D13-1323-08	GEAR	
9	2B		D10-4200-08	ARM ASSY (F)	
10	2A		D10-4201-08	ARM ASSY (R)	
12	3A		A11-0930-08	SUB CHASSIS CALKING ASSY	
14	3A		J26-4018-08	PRINTED WIRING BOARD ASSY	
16	1B		G01-2826-08	TORSION COIL SPRING	
17	1A		D10-4094-08	SLIDER	
18	1B		D10-4095-08	SLIDER	
19	1A		D10-4096-08	ARM	
20	1A		J19-4736-08	HOLDER ASSY	
22	2A		G01-2827-08	TENSION COIL SPRING	
23	2A		D10-4097-08	LEVER	
25	2B		D10-4098-08	SLIDER	
26	2B		G09-2019-08	SPRING	
31	3A		D01-0608-08	FLYWHEEL ASSY	
33	3A		G01-2828-08	TENSION COIL SPRING	
34	2B		G01-2829-08	TENSION COIL SPRING	
35	2B		D10-4099-08	ARM	
36	1A		D10-4100-08	ARM	
37	1A		D14-0682-08	ROLLER	
38	1A		D10-4101-08	LEVER	
39	2A		G01-2830-08	COMPRESSION COIL SPRING	
40	2A		D10-4102-08	ARM	

Ref.No.	Add	New	Parts No.	Description	Destination
52	2A		D13-1110-08	GEAR	
53	2B		D15-0909-08	PULLEY	
54	3B		D16-0606-08	BELT	
56	1B		D10-4105-08	ARM ASSY	
57	2B		D10-4104-08	ARM	
58	2B		G01-2831-08	TENSION COIL SPRING	
99	3B		E39-0181-08	WIRE HARNESS	
100	1B		J11-0618-08	CLAMPER	
101	3B		N09-4328-08	SCREW	
102	3A		N09-4326-08	SCREW	
103	3A		N09-4191-08	SCREW	
104	1B		N09-4192-08	SCREW	
105	2A		N09-4058-08	SCREW	
106	1A		N09-4109-08	SCREW	
111	3A		N19-2082-08	FLAT WASHER	
112	2A		N19-2083-08	FLAT WASHER	
113	2A		N19-2084-08	FLAT WASHER	
114	3A		N19-2043-08	FLAT WASHER	
115	2B		N19-2038-08	FLAT WASHER	
HD1	1B		T31-0229-08	PLAYBACK HEAD	
M1	1A		T42-1025-08	MOTOR ASSY	

M : KRC-289 **Z2**: KRC-19G **Z3**: KRC-19A

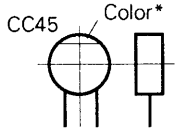
⚠ indicates safety critical components.

PARTS DESCRIPTIONS

CAPACITORS

CC 45 TH 1H 220 J
1 2 3 4 5 6

1 = Type ... ceramic, electrolytic, etc.
2 = Shape ... round, square, ect.
3 = Temp. coefficient
4 = Voltage rating
5 = Value
6 = Tolerance



• Capacitor value

010 = 1pF
100 = 10pF
101 = 100pF
102 = 1000pF = 0.001μF
103 = 0.01μF

2 2 0 = 22pF
Multiplier
2nd number
1st number

• Temperature coefficient

1st Word	C	L	P	R	S	T	U
Color*	Black	Red	Orange	Yellow	Green	Blue	Violet
ppm/°C	0	-80	-150	-220	-330	-470	-750

2nd Word	G	H	J	K	L
ppm/°C	±30	±60	±120	±250	±500

Example : CC45TH = -470 ± 60ppm/°C

• Tolerance (More than 10pF)

Code	C	D	G	J	K	M	X	Z	P	No code
(%)	±0.25	±0.5	±2	±5	±10	±20	+40 -20	+80 -20	+100 -0	More than 10μF - 10 ~ +50 Less than 4.7μF -10 ~ +75

(Less than 10pF)

Code	B	C	D	F	G
(pF)	±0.1	±0.25	±0.5	±1	±2

• Voltage rating

1st word \ 2nd word	A	B	C	D	E	F	G	H	J	K	V
0	1.0	1.25	1.6	2.0	2.5	3.15	4.0	5.0	6.3	8.0	-
1	10	12.5	16	20	25	31.5	40	50	63	80	35
2	100	125	160	200	250	315	400	500	630	800	-
3	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	-

• Chip capacitors

(EX) C C 7 3 F S L 1 H 0 0 0 J
1 2 3 4 5 6 7
(Chip) (CH, RH, UJ, SL)

(EX) C K 7 3 F F 1 H 0 0 0 Z
1 2 3 4 5 6 7
(Chip) (B, F)

Refer to the table above.
1 = Type
2 = Shape
3 = Dimension
4 = Temp. coefficient
5 = Voltage rating
6 = Value
7 = Tolerance

Dimension (Chip capacitors)

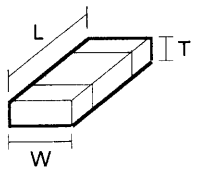
Dimension code	L	W	T
Empty	5.6 ± 0.5	5.0 ± 0.5	Less than 2.0
A	4.5 ± 0.5	3.2 ± 0.4	Less than 2.0
B	4.5 ± 0.5	2.0 ± 0.3	Less than 2.0
C	4.5 ± 0.5	1.25 ± 0.2	Less than 1.25
D	3.2 ± 0.4	2.5 ± 0.3	Less than 1.5
E	3.2 ± 0.2	1.6 ± 0.2	Less than 1.25
F	2.0 ± 0.3	1.25 ± 0.2	Less than 1.25
G	1.6 ± 0.2	0.8 ± 0.2	Less than 1.0

RESISTORS

• Chip resistor (Carbon)

(EX) R K 7 3 E B 2 B 0 0 0 J
1 2 3 4 5 6 7
(Chip) (B,F)

Dimension



• Carbon resistor (Normal type)

(EX) R D 1 4 B B 2 C 0 0 0 J
1 2 3 4 5 6 7

1 = Type
2 = Shape
3 = Dimension
4 = Temp. coefficient
5 = Rating wattage
6 = Value
7 = Tolerance

Dimension (Chip resistor)

Dimension code	L	W	T
E	3.2 ± 0.2	1.6 ± 0.2	1.0
F	2.0 ± 0.3	1.25 ± 0.2	1.0
G	1.6±0.2	0.8±0.2	0.5±0.1

Rating wattage

Code	Wattage	Code	Wattage	Code	Wattage
1J	1/16W	2C	1/6W	3A	1W
2A	1/10W	2E	1/4W	3D	2W
2B	1/8W	2H	1/2W		

KRC-19A/G,289

SPECIFICATIONS

		KRC-19A/G (E)	KRC-289 (K)
		TDF	TDF
Tuner Type		CR2	CR2
FM	Frequency Range (Frequency Step)	87.5MHz-108.0MHz (50kHz)	87.5MHz-108.0MHz (50kHz)
	Channel space selection	50kHz/200kHz	50kHz/200kHz
	Usable Sensitivity (S/N 30dB)	9.3dBf (0.8µV/75Ω)	9.3dBf (0.8µV/75Ω)
	Quieting Sensitivity (S/N 50dB)	15.2dBf (1.6µV/75Ω)	15.2dBf (1.6µV/75Ω)
	Frequency Response (±3.0dB)	30Hz-15kHz	30Hz-15kHz
	S/N	70dB (MONO)	70dB (MONO)
	Selectivity	≧80dB (±400kHz)	≧80dB (±400kHz)
	Stereo Separation	40dB (1kHz)	40dB (1kHz)
AM	Frequency Range (Frequency Step)	531kHz-1611kHz (9kHz)	531kHz-1611kHz (9kHz)
	Channel space selection	9kHz/10kHz	9kHz/10kHz
	Usable Sensitivity (S/N 20dB)	28dBµ (25µV)	28dBµ (25µV)
CASSETTE	Tape Speed	4.76cm/sec.	4.76cm/sec.
	Wow/Flutter	0.12% (WRMS)	0.12% (WRMS)
	Frequency Response (±3.0dB)	30Hz-14kHz (120µs)	30Hz-14kHz (120µs)
	Separation	40dB (1kHz)	40dB (1kHz)
	S/N	52dB	52dB
Preout	Level / Load	-	1800mV/10kΩ
	Impedance	-	≦600Ω
AMPLIFIER	Maximum Power	40W x4	40W x4
	Power DIN45324, +B=14.4V	26W x4	-
	Full Bandwidth Power (at less than 1% THD)	-	20W x4
TONE	Bass	100Hz ±10dB	100Hz ±10dB
	Treble	10kHz ±10dB	10kHz ±10dB
GENERAL	Operating Voltage (11V-16V allowable)	14.4V	14.4V
	Current Consumption	10A	10A
	Installation Size (Width)	182mm	182mm
	(Height)	53mm	53mm
	(Depth)	155mm	155mm
	Weight	1400g	1400g

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

KENWOOD CORPORATION

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

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

KENWOOD ELECTRONICS CANADA INC.
6070 Kestrel Road, Mississauga, Ontario, Canada L5T 1S8

KENWOOD ELECTRONICS LATIN AMERICA S.A.
P.O. Box 55-2791, Piso 6, Plaza Chase, Cl. 47 y,
Aquilino de la Guardia, Panama, Republic of Panama

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

KENWOOD ELECTRONICS UK LIMITED
Kenwood House, Dwight Road, Watford,
Herts, WD1 8EB, United Kingdom

KENWOOD ELECTRONICS DEUTSCHLAND GMBH
Rembrücker Str. 15, 63150 Heusenstamm, Germany

KENWOOD ELECTRONICS FRANCE S.A.
13, Boulevard Ney, 75018 Paris, France

KENWOOD ELECTRONICS BELGIUM N.V.
Mechelsesteenweg 418, B-1930 Zaventem, Belgium

KENWOOD ELECTRONICS ITALIA S.p.A.
Via G. Sirtori 7/9, 20129 Milano, Italy

KENWOOD IBÉRICA S.A.
Bolivia, 239-08020 Barcelona, Spain

KENWOOD ELECTRONICS AUSTRALIA PTY. LTD.
(A.C.N. 001 499 074)
16 Giffnock Avenue, North Ryde, N.S.W. 2113, Austraria

KENWOOD ELECTRONICS (HONG KONG) LTD.
Unit 3712-3724, Level 37, Tower 1, Metroplaza,
223 Hing Fong Road, Kwai Fong, N.T., Hong Kong

KENWOOD ELECTRONICS GULF FZE
P.O.Box 61318, Jebel Ali, Dubai, U.A.E.

KENWOOD ELECTRONICS (THAILAND) CO., LTD.
2019 New Pechburi Road, Bangkapi, Huaykwang,
Bangkok, 10320 Thailand

KENWOOD ELECTRONICS SINGAPORE PTE LTD.
1 Genting Lane, #07-00, Kenwood Building, Singapore 349544

KENWOOD ELECTRONICS (MALAYSIA) SDN BHD
#4.01 Level 4, Wisma Academy Lot 4A, Jalan 19/1,
46300 Petaling Jaya, Selangor Darul Ehsan, Malaysia