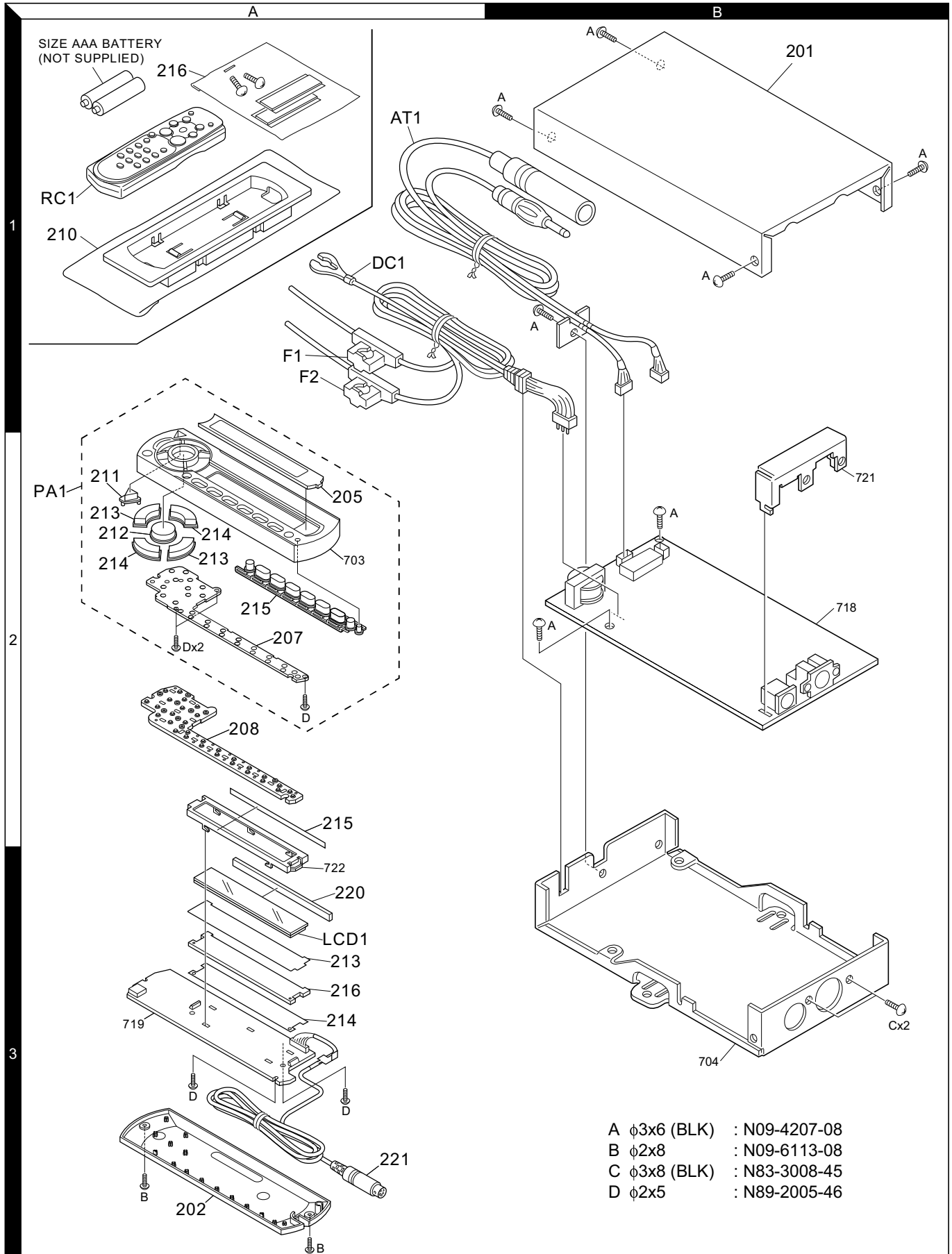


EXPLODED VIEW



Parts with the exploded numbers larger than 700 are not supplied.

KCA-R70FM

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.

Ref. No.	Ad	New	Parts No.	Description	Destination
KCA-R70FM					
201	1B	*	A01-2819-08	METALLIC CABINET	
202	3A	*	A46-1787-08	REAR COVER	
PA1	2A	*	A64-3096-08	PANEL ASSY	
RC1	1A	*	A70-2039-05	REMOTE CONTROLLER ASSY (RC-513)	
-		*	B64-2432-10	INSTRUCTION MANUAL	
205	2A	*	B10-4408-08	FRONT GLASS ASSY	
207	2A	*	B19-2221-08	LIGHTING BOARD	
208	2A	*	E29-1944-08	CONDUCTIVE RUBBER	
AT1	1A		E30-4310-08	CORD WITH PLUG (ANT)	
F1,2	1A		F06-3026-05	FUSE (3A)	
-		*	H12-2722-08	PACKING FIXTURE	
-			H25-0236-04	PROTECTION BAG (100X400)	
-			H25-1101-04	PROTECTION BAG (150X500)	
-			H25-1642-04	PROTECTION BAG (200X300)	
-		*	H54-2707-08	ITEM CARTON CASE	
210	1A	*	J19-5236-08	UNIT HOLDER	
211	2A	*	K24-4071-08	KNOB (POWER KEY)	
212	2A	*	K24-4072-08	KNOB (CENTER KEY)	
213	2A	*	K24-4073-08	KNOB (L-R KEY)	
214	2A	*	K24-4074-08	KNOB (UP-DOWN KEY)	
215	2A	*	K25-1559-08	KNOB (SUB KEY)	
A	1B		N09-4207-08	TAPTITE SCREW	
B	3A	*	N09-6113-08	TAPTITE SCREW (2X8 B TITE)	
C	3B		N83-3008-45	PAN HEAD TAPTITE SCREW	
D	3A		N89-2005-46	BINDING HEAD TAPTITE SCREW	
216	1A		W01-0763-08	ACCESSORY	
RF MODULATOR UNIT					
C1			C90-5249-08	ELECTRO 1000UF 16WV	
C2			CK73FB1H223K	CHIP C 0.022UF K	
C3			CE04DW1H4R7M	ELECTRO 4.7UF 50WV	
C6			CE04NW1C100M	ELECTRO 10UF 16WV	
C7			CE04DW1H010M	ELECTRO 1.0UF 50WV	
C8			CK73FB1H102K	CHIP C 1000PF K	
C9,10			CK73FB1H103K	CHIP C 0.010UF K	
C11,12			CC73FCH1H220J	CHIP C 22PF J	
C13-17			CK73FB1H102K	CHIP C 1000PF K	
C19			CE04DW1A101M	ELECTRO 100UF 10WV	
C20			CE04DW1E221M	ELECTRO 220UF 25WV	
C24			CE04DW1C471M	ELECTRO 470UF 16WV	
C30			CE04DW1A102M	ELECTRO 1000UF 10WV	
C31			C90-2945-05	ELECTRO 0.047F 5.5WV	
C32			CE04DW1A101M	ELECTRO 100UF 10WV	
C33			C90-5249-08	ELECTRO 1000UF 16WV	
C34			CE04DW1H010M	ELECTRO 1.0UF 50WV	
C35			CK73FB1H103K	CHIP C 0.010UF K	
C36			C90-2689-05	ELECTRO 3300UF 16WV	
C103			CK73FB1H103K	CHIP C 0.010UF K	
C104			CE04NW1C100M	ELECTRO 10UF 16WV	
C105			CE04DW1A221M	ELECTRO 220UF 10WV	
C106			CE04NW1C100M	ELECTRO 10UF 16WV	

Ref. No.	Ad	New	Parts No.	Description	Destination
C107			CC73FCH1H271J	CHIP C 270PF J	
C108			CK73FB1H102K	CHIP C 1000PF K	
C109,110			CK73FB1H104K	CHIP C 0.10UF K	
C111			CE04DW1H010M	ELECTRO 1.0UF 50WV	
C112			CK73FB1H332K	CHIP C 3300PF K	
C113			CC73FCH1H181J	CHIP C 180PF J	
C114			CK73FB1H153K	CHIP C 0.015UF K	
C203			CK73FB1H103K	CHIP C 0.010UF K	
C204			CE04NW1C100M	ELECTRO 10UF 16WV	
C205			CE04DW1A221M	ELECTRO 220UF 10WV	
C206			CE04NW1C100M	ELECTRO 10UF 16WV	
C207			CC73FCH1H271J	CHIP C 270PF J	
C208			CK73FB1H102K	CHIP C 1000PF K	
C209,210			CK73FB1H104K	CHIP C 0.10UF K	
C211			CE04DW1H010M	ELECTRO 1.0UF 50WV	
C212			CK73FB1H332K	CHIP C 3300PF K	
C213			CC73FCH1H181J	CHIP C 180PF J	
C214			CK73FB1H153K	CHIP C 0.015UF K	
C301			CE04NW1C100M	ELECTRO 10UF 16WV	
C302			CK73FB1H103K	CHIP C 0.010UF K	
C303			CC73FCH1H221J	CHIP C 220PF J	
C304			CC73FCH1H100D	CHIP C 10PF D	
C305			CK73FB1H103K	CHIP C 0.010UF K	
C306			CC73FCH1H221J	CHIP C 220PF J	
C308			CK73FB1H333K	CHIP C 0.033UF K	
C310			CC73FCH1H330J	CHIP C 33PF J	
C312			CK73FB1H103K	CHIP C 0.010UF K	
C314			CE04NW1HR22M	ELECTRO 0.22UF 50WV	
C315			CE04DW1A101M	ELECTRO 100UF 10WV	
C316			CK73FB1H103K	CHIP C 0.010UF K	
C317			CE04DW1H2R2M	ELECTRO 2.2UF 50WV	
C318,319			CK73FB1H103K	CHIP C 0.010UF K	
C320			CC73FCH1H181J	CHIP C 180PF J	
C321			CE04DW1H010M	ELECTRO 1.0UF 50WV	
C322			CC73FUJ1H221J	CHIP C 220PF J	
C323			CC73FSL1H680J	CHIP C 68PF J	
C324			CC73FUJ1H150J	CHIP C 15PF J	
C325			CK73FB1H103K	CHIP C 0.010UF K	
C326			CE04DW1E470M	ELECTRO 47UF 25WV	
C327			CC73FUJ1H150J	CHIP C 15PF J	
C328			CC73FCH1H020C	CHIP C 2.0PF C	
C329			CC73FCH1H150J	CHIP C 15PF J	
C330			CK73FB1H103K	CHIP C 0.010UF K	
C331			CC73FCH1H010C	CHIP C 1.0PF C	
C332			CC73FCH1H050C	CHIP C 5.0PF C	
C333,334			CC73FCH1H330J	CHIP C 33PF J	
C335			CE04DW1H4R7M	ELECTRO 4.7UF 50WV	
C336			CK73FB1H222K	CHIP C 2200PF K	
C338			CC73FCH1H050C	CHIP C 5.0PF C	
C339			CK73FB1H104K	CHIP C 0.10UF K	
C340			CE04DW1A220M	ELECTRO 22UF 10WV	
VC301			C05-0513-08	CERAMIC TRIMMER CAPACITOR	
CN101			E56-0811-05	CYLINDRICAL RECEPTACLE	
CN102			E56-0833-08	CYLINDRICAL RECEPTACLE	

E : Europe K : North America M : Other Areas W : Without Europe

△ Indicates safety critical components.

PARTS LIST

* New parts

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RF MODULATOR UNIT

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation	Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
CN104,105 DC1	1A		E40-3237-05 E30-4733-08	PIN ASSY DC CORD ASSY		R302			RK73FB2A123J	CHIP R 12K J 1/10W	
L1			L33-0934-08	CHOKE COIL		R306			RK73FB2A103J	CHIP R 10K J 1/10W	
L301			L33-1043-08	SMALL FIXED INDUCTOR		R307			RK73FB2A472J	CHIP R 4.7K J 1/10W	
L302,303			L33-0976-08	SMALL FIXED INDUCTOR		R308			RK73FB2A154J	CHIP R 150K J 1/10W	
L304			L33-1043-08	SMALL FIXED INDUCTOR		R314			RK73FB2A473J	CHIP R 47K J 1/10W	
L305			L33-1042-08	SMALL FIXED INDUCTOR							
X301			L77-2716-08	CRYSTAL RESONATOR (38KHz)		R316			RK73FB2A122J	CHIP R 1.2K J 1/10W	
X302			L77-2067-08	CRYSTAL RESONATOR (4.5MHz)		R317			RK73FB2A242J	CHIP R 2.4K J 1/10W	
						R318			RK73FB2A332J	CHIP R 3.3K J 1/10W	
R1			RD14BB2C242J	RD 2.4K J 1/6W		R319			RD14BB2C122J	RD 1.2K J 1/6W	
R2			RD14BB2C222J	RD 2.2K J 1/6W		R320			RK73FB2A103J	CHIP R 10K J 1/10W	
R6			RK73FB2A223J	CHIP R 22K J 1/10W		R322			RD14BB2C472J	RD 4.7K J 1/6W	
R7			RS14AB3D100J	FL-PROOF RS 10 J 2W		R323			RK73FB2A471J	CHIP R 470 J 1/10W	
R8			RD14BB2C223J	RD 22K J 1/6W		R325,326			RK73FB2A223J	CHIP R 22K J 1/10W	
						R327			RK73FB2A473J	CHIP R 47K J 1/10W	
						R328			RK73FB2A271J	CHIP R 270 J 1/10W	
R9			RD14BB2C222J	RD 2.2K J 1/6W		R329			RK73FB2A470J	CHIP R 47 J 1/10W	
R11			RD14BB2C102J	RD 1.0K J 1/6W		R330			RK73FB2A331J	CHIP R 330 J 1/10W	
R12			RD14BB2C103J	RD 10K J 1/6W		R331			RK73FB2A473J	CHIP R 47K J 1/10W	
R13			RD14BB2C104J	RD 100K J 1/6W		R332			RK73FB2A101J	CHIP R 100 J 1/10W	
R14			RD14BB2C332J	RD 3.3K J 1/6W		R333			RK73FB2A470J	CHIP R 47 J 1/10W	
R15			RD14BB2C104J	RD 100K J 1/6W		R334			RK73FB2A472J	CHIP R 4.7K J 1/10W	
R16			RD14BB2C332J	RD 3.3K J 1/6W		R337,338			RK73FB2A472J	CHIP R 4.7K J 1/10W	
R17			RD14BB2C102J	RD 1.0K J 1/6W		R339,340			RK73FB2A391J	CHIP R 390 J 1/10W	
R18			RK73FB2A104J	CHIP R 100K J 1/10W		R343			RK73FB2A101J	CHIP R 100 J 1/10W	
R19			RD14BB2C332J	RD 3.3K J 1/6W		R346			RK73FB2A472J	CHIP R 4.7K J 1/10W	
R20			RD14BB2C102J	RD 1.0K J 1/6W		R348			RK73FB2A224J	CHIP R 220K J 1/10W	
R21			RD14BB2C472J	RD 4.7K J 1/6W		R350			RD14BB2C103J	RD 10K J 1/6W	
R22,23			RD14BB2C102J	RD 1.0K J 1/6W		VR301			R32-0208-08	SEMI FIXED VARIABLE RESISTOR	
R24			RD14BB2C472J	RD 4.7K J 1/6W		VR303			R32-0207-08	SEMI FIXED VARIABLE RESISTOR	
R25,26			RD14BB2C102J	RD 1.0K J 1/6W							
R27,28			RK73FB2A103J	CHIP R 10K J 1/10W		RL1			S76-0802-08	MAGNETIC RELAY	
R31			RK73FB2A473J	CHIP R 47K J 1/10W							
R33			RK73FB2A473J	CHIP R 47K J 1/10W		D1			DSK10C-ET1	DIODE	
R34			RK73FB2A182J	CHIP R 1.8K J 1/10W		D2			DSK10C-BT	DIODE	
R35			RK73FB2A151J	CHIP R 150 J 1/10W		D5			DSK10C-ET1	DIODE	
						D8,9			1SS133	DIODE	
						D12,13			1SS133	DIODE	
R102			RK73FB2A152J	CHIP R 1.5K J 1/10W		D14			DSK10C-ET1	DIODE	
R103			RK73FB2A682J	CHIP R 6.8K J 1/10W		D15			DSK10C-BT	DIODE	
R104			RK73FB2A103J	CHIP R 10K J 1/10W		D16			1SS133	DIODE	
R105-108			R92-0363-05	CHIP R 10K F 1/10W		D101			DA204K	DIODE	
R109			RK73FB2A182J	CHIP R 1.8K J 1/10W		D201			DA204K	DIODE	
R110			RK73FB2A391J	CHIP R 390 J 1/10W		D302			DA204K	DIODE	
R111			RK73FB2A102J	CHIP R 1.0K J 1/10W		D303			DSK10C-BT	DIODE	
R112			RK73FB2A753J	CHIP R 75K J 1/10W		D304,305			MA111	DIODE	
R113			RK73FB2A104J	CHIP R 100K J 1/10W		D306			RB160L-40	DIODE	
R114-116			RK73FB2A682J	CHIP R 6.8K J 1/10W		IC1		*	UPC78M06AHF	ANALOGUE IC	
R202			RK73FB2A152J	CHIP R 1.5K J 1/10W		IC2		*	LC72366-9B28	MI-COM IC	
R203			RK73FB2A682J	CHIP R 6.8K J 1/10W		IC4			NJM78L05UA	IC (VOLTAGE REGULATOR/ +5V)	
R204			RK73FB2A103J	CHIP R 10K J 1/10W		IC101			NJM2060M	ANALOGUE IC	
R205-208			R92-0363-05	CHIP R 10K F 1/10W		IC102			NJM4565MD	IC (OP AMP X2)	
R209			RK73FB2A182J	CHIP R 1.8K J 1/10W		IC301			BA1405F	ANALOGUE IC	
R210			RK73FB2A391J	CHIP R 390 J 1/10W		IC302			NJM4565MD	IC (OP AMP X2)	
R212			RK73FB2A753J	CHIP R 75K J 1/10W		Q1			DTC124EK	DIGITAL TRANSISTOR	
R213			RK73FB2A104J	CHIP R 100K J 1/10W		Q2			2SA1782(T,U)	TRANSISTOR	
R214-216			RK73FB2A682J	CHIP R 6.8K J 1/10W		Q3			DTC124EK	DIGITAL TRANSISTOR	
R301			RK73FB2A154J	CHIP R 150K J 1/10W							

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PARTS LIST

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RF MODULATOR UNIT

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
Q4,5 Q6 Q8 Q9 Q101			DTC143TK DTA124EK DTC143TK 2SC4640(T,U) 2SK2158	DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR TRANSISTOR FET	
Q201 Q303 Q304,305 Q306 Q307			2SK2158 2SA1162(GR) 2SK2158 2SK508L 2SC2714(Y)	FET TRANSISTOR FET FET TRANSISTOR	
Q308-310 VD301 ZD1-7			2SK2158 HVU306A-3 HZS6C2	FET VARIABLE CAPACITANCE DIODE ZENER DIODE	
CONTROL UNIT					
213 214 215 216 D1,2	3A 3A 2A 3A	* * * * *	B11-1420-08 B11-1421-08 B11-1422-08 B19-2222-08 B30-1663-05	OPTICAL DIFFUSER REFLECTION SHEET REFLECTION SHEET (SIDE) LIGHTING BOARD W-LED	
D3 D4-16 LCD1	3A	*	B30-1564-05 B30-1566-05 B38-1125-08	LED BLUE LED RED LIQUID CRYSTAL	
C1-3 C4 C5-7 C8 C9			CK73FB1H104K CC73FCH1H681J CK73FB1H104K C92-1358-05 C92-0040-05	CHIP C 0.10UF K CHIP C 680PF J CHIP C 0.10UF K CHIP-TAN 2.2UF 16WV CHIP-ELE 47UF 16WV	
C10 C11			C92-0037-05 CK73FB1H223K	CHIP-ELE 10UF 16WV CHIP C 0.022UF K	
220 221	3A 3A	*	E29-1945-08 E30-4309-08	CONDUCTIVE RUBBER CORD WITH DIN CONNECTOR	
R1,2 R3 R4 R5-10 R11-19			RK73FB2A331J RK73FB2A271J RK73FB2A431J RK73FB2A271J RK73FB2A102J	CHIP R 330 J 1/10W CHIP R 270 J 1/10W CHIP R 430 J 1/10W CHIP R 270 J 1/10W CHIP R 1.0K J 1/10W	
R20 R21 R22-26 R27 R28			RK73FB2A433J RK73FB2A103J RK73FB2A472J RK73FB2A473J RK73FB2A101J	CHIP R 43K J 1/10W CHIP R 10K J 1/10W CHIP R 4.7K J 1/10W CHIP R 47K J 1/10W CHIP R 100 J 1/10W	
R29,30 R31 R32 R33,34 R35			RK73FB2A471J RK73FB2A102J RK73FB2A471J RK73FB2A102J RK73FB2A101J	CHIP R 470 J 1/10W CHIP R 1.0K J 1/10W CHIP R 470 J 1/10W CHIP R 1.0K J 1/10W CHIP R 100 J 1/10W	
R36 R37			RK73FB2A331J RK73FB2A103J	CHIP R 330 J 1/10W CHIP R 10K J 1/10W	
D17-21 D22,23 IC1 IC2 Q1			DA204K MA111 LC75808W RS-21N 2SD2114K	DIODE DIODE MOS-IC ANALOGUE IC TRANSISTOR	

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
Q2,3			DTA144EK	DIGITAL TRANSISTOR	

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