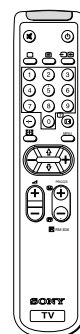


SERVICE MANUAL

BE-5 CHASSIS

MODEL	COMMANDER	DEST.	CHASSIS NO.	MODEL	COMMANDER	DEST.	CHASSIS NO.
<i>KV-20WS1A</i>	<i>RM-836</i>	<i>Italian</i>	<i>SCC-K31F-A</i>	<i>KV-20WS1K</i>	<i>RM-836</i>	<i>OIRT</i>	<i>SCC-K35M-A</i>
<i>KV-20WS1B</i>	<i>RM-836</i>	<i>French</i>	<i>SCC-K36F-A</i>	<i>KV-20WS1R</i>	<i>RM-836</i>	<i>OIRT</i>	<i>SCC-K35L-A</i>
<i>KV-20WS1D</i>	<i>RM-836</i>	<i>AEP</i>	<i>SCC-K32H-A</i>	<i>KV-20WS1U</i>	<i>RM-836</i>	<i>UK</i>	<i>SCC-K33D-A</i>
<i>KV-20WS1E</i>	<i>RM-836</i>	<i>Spanish</i>	<i>SCC-K30H-A</i>				



TRINITRON® COLOR TV
SONY®

SECTION 5
DIAGRAMS

5.1 BLOCK DIAGRAM

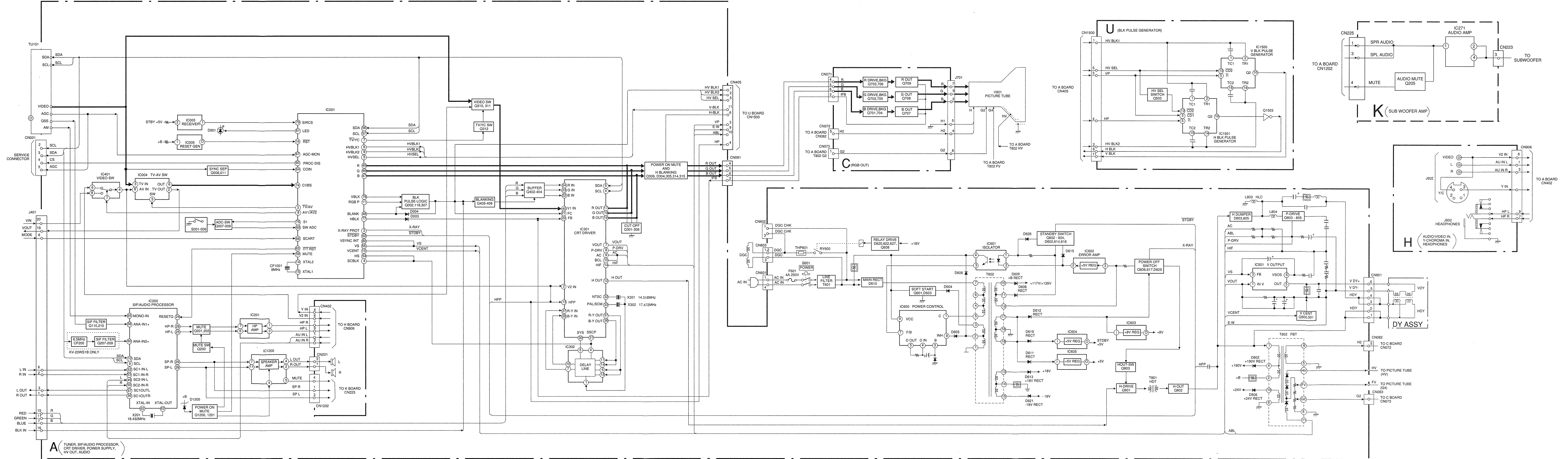
KV-20WS1

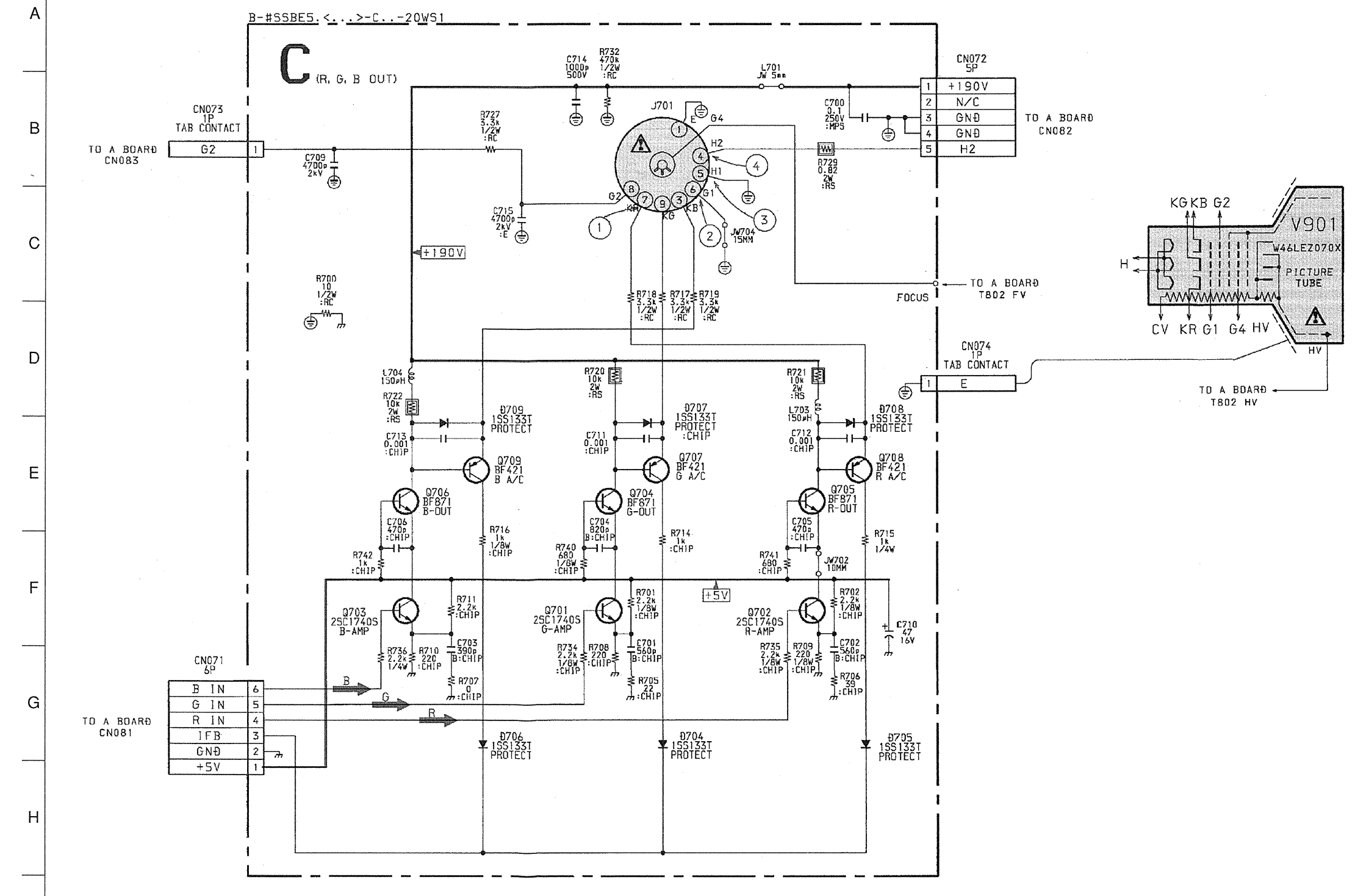
KV-20WS1

KV-20WS1

KV-20WS1

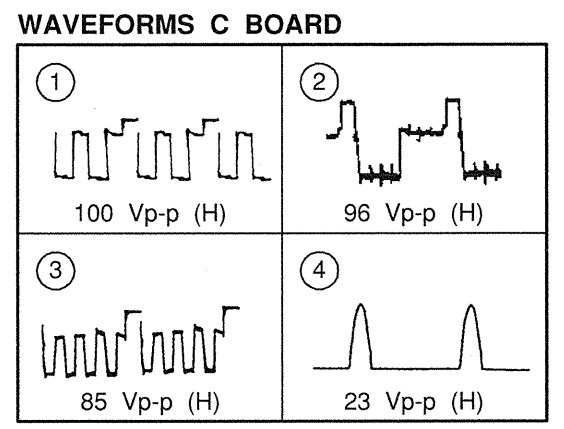
KV-20WS1





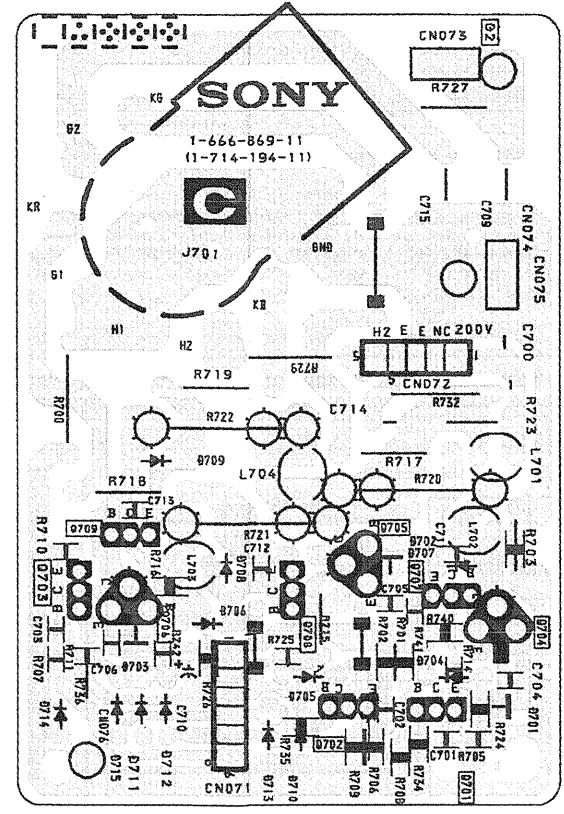
C BOARD TRANSISTOR VOLTAGE TABLE

Ref No	B Base	C Collector	E Emitter
Q701	2.5	4.3	1.8
Q702	2.5	4.3	1.8
Q703	2.3	4.3	1.7
Q704	5.0	144.8	4.3
Q705	5.0	149.2	4.3
Q706	5.0	152.3	4.3
Q707	144.8	3.5	152.3
Q708	149.2	3.5	149.2
Q709	151.7	3.5	172.1

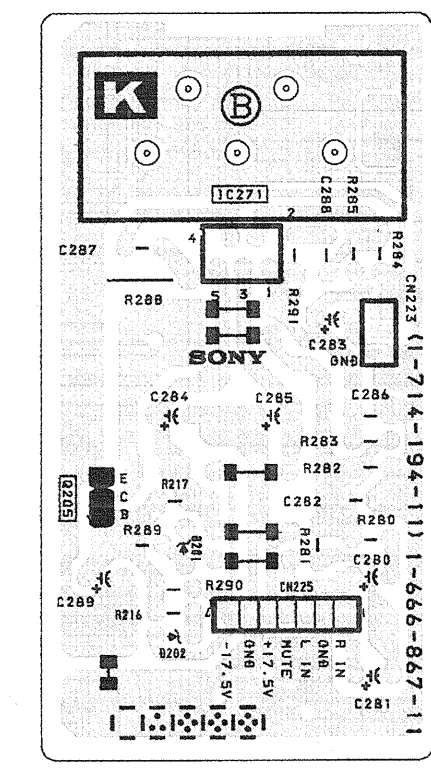


C [R,G,B OUT] **K** [SUB WOOFER AMP] **U** [BLK PULSE GENERATOR]

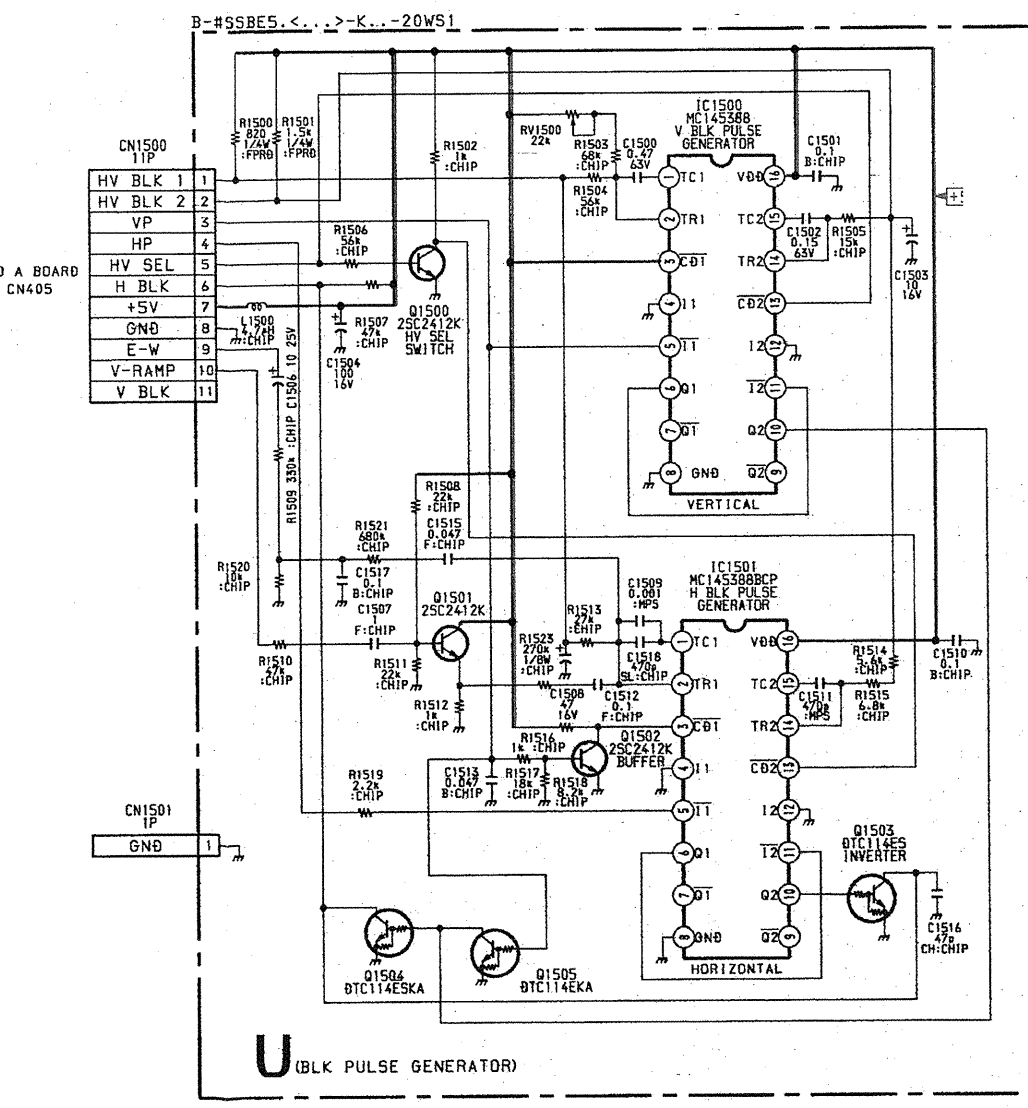
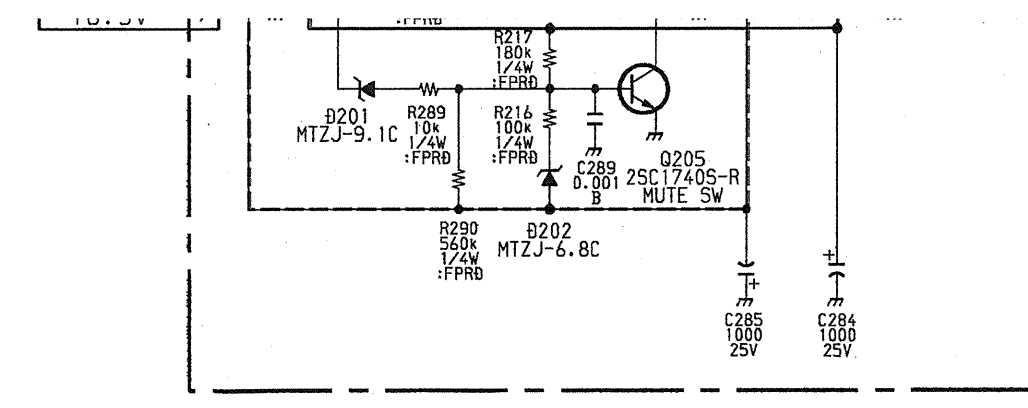
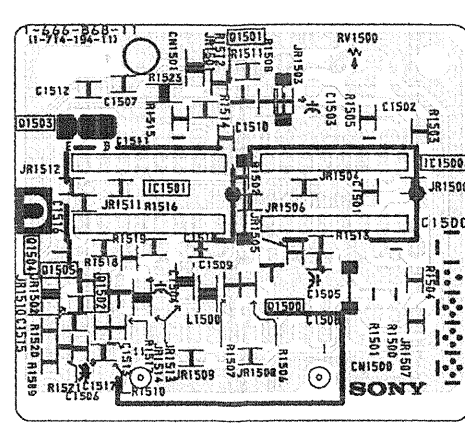
C Board



K Board

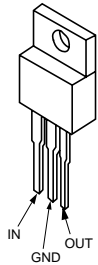


U Board

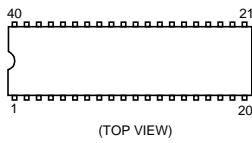


5-4. SEMICONDUCTORS

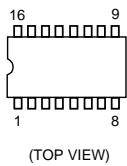
L4941BV
LM7808CT
MC7808CT
TEA7605
TL750L05CLPR



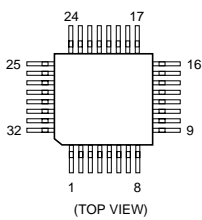
MC44002P



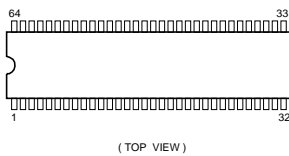
MC14538BCP
MC44140P



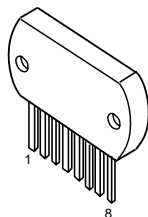
M27C512-90C1-BE5-1



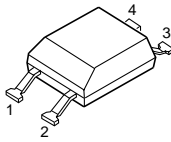
MSP3400C-PP-C6
MSP3410B-PP-F7



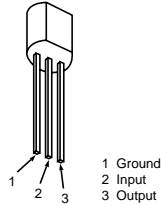
NJM2233BL



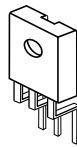
PC123F2
PC123FY2



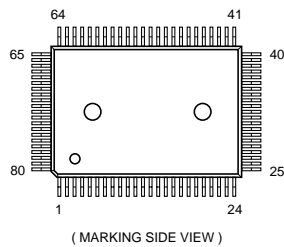
PST572D
PST572D-T



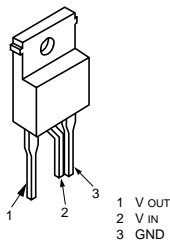
SBX1981-51



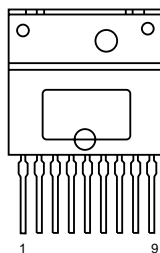
SDA5250M-C9-GEG



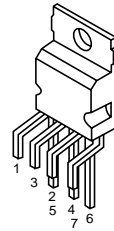
SE-135N
SE135N-LF12



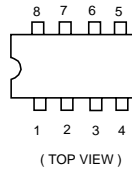
STR-S6707



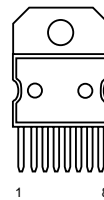
STV9379



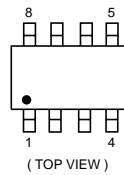
TDA2822M
TEA2124



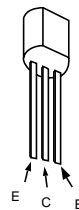
TDA7264



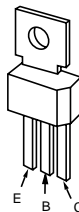
ST24W04FM6TR



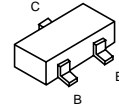
BF421-AMMO
2SA1091-O



BF871-127



DTA144ESA
DTA144ESA-TP
DTC114EK
DTC114EKA-T146
DTC143TKA-T146
DTC144EKA-T146
2SA1037K-T-146-R
2SA1162-G
2SC2412K-QR
2SC2412K-T-146-R



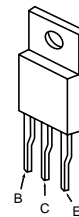
DTA114ES
DTC114ES-TP



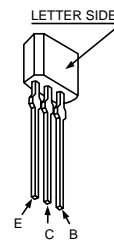
S2000N-16E305A



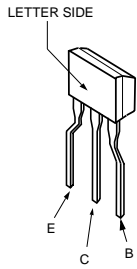
2SA1667
2SC3852A
2SD2394-EF



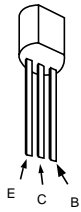
2SA933AS-QRT
2SA933AS-RT
2SC1740S-RT



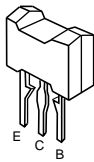
2SC2389STP-R



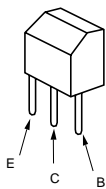
2SC2785-HFE



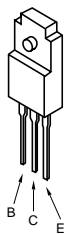
2SC2808STP-R



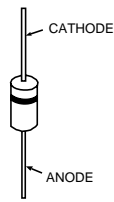
2SC3209LK-TP
2SD774-T-4
2SD774-34



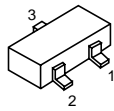
2SC4793
2SD1763A



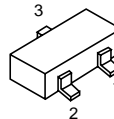
BYD33G
BYD33G-AMMO
ERC06-15S



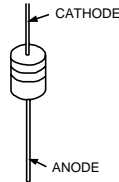
DAN202K
DAN202K-T-146



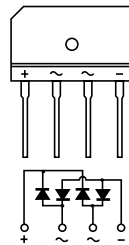
DAP202K
DAP202K-T-146



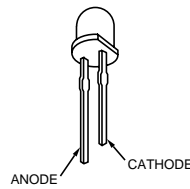
ERA81-004TP1
ERA83-006
MTZJ-T-77-5.6C
MTZJ-T-77-6.8A
MTZJ-T-77-6.8C
MTZJ-T-77-33C
MTZJ-T-77-3.9B
MTZJ-T-77-7.5C
MTZJ-T-77-9.1C



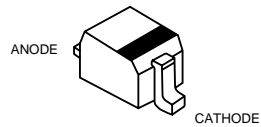
GBU4JL-6088



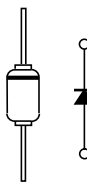
LR5360HL



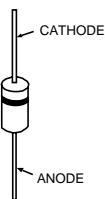
DTZ5.1B
DTZ9.1
RD5.6S-B



UDZ-TE-17-5.1B
UDZ-TE-17-5.6B
UDZ-TE-17-9.1B



EG-1Z-V1
EL1Z
ERD28-06S
ERD28-08S
FMN-G12S



RGP10GPKG23
RU3YX-LF-C4
RU-3YX-V1
RU4AM-T3
1SS292T-77

SECTION 7

ELECTRICAL PARTS LIST

The components identified by shading and marked \triangle are critical for safety.
Replace only with the part number specified.

Les composants identifiés par une trame et une marque \triangle sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

When indicating parts by reference number, please include the board name.

- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

RESISTORS

- All resistors are in ohms
- F : nonflammable

CAPACITORS

MF : mF, PF : mmF

COILS

MMH : mH, μ H : mH

A

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
	*A-1632-654-A	A BOARD, COMPLETE (KV-20WS1A) *****		C034	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
	*A-1632-655-A	A BOARD, COMPLETE (KV-20WS1B) *****		C035	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
	*A-1632-653-A	A BOARD, COMPLETE (KV-20WS1D)		C036	1-126-965-11	ELECT 22MF	20% 50V
	*A-1632-700-A	A BOARD, COMPLETE (Greek Text) *****		C037	1-164-346-11	CERAMIC CHIP 1MF	16V
	*A-1632-652-A	A BOARD, COMPLETE (KV-20WS1E) *****		C038	1-164-346-11	CERAMIC CHIP 1MF	16V
	*A-1632-658-A	A BOARD, COMPLETE (KV-20WS1K) *****		C039	1-163-205-00	CERAMIC CHIP 0.001MF	10% 50V
	*A-1632-657-A	A BOARD, COMPLETE (KV-20WS1R) *****		C040	1-163-037-11	CERAMIC CHIP 0.022MF	10% 50V
	*A-1632-656-A	A BOARD, COMPLETE (KV-20WS1U) *****		C041	1-126-965-11	ELECT 22MF	20% 50V
		< CAPACITOR >		C042	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
				C044	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
				C045	1-164-505-11	CERAMIC CHIP 2.2MF	16V
				C046	1-163-125-00	CERAMIC CHIP 220PF	5% 50V
				C099	1-165-320-11	CERAMIC CHIP 0.47MF	10% 16V
				C121	1-163-117-00	CERAMIC CHIP 100PF	5% 50V
				C122	1-163-249-11	CERAMIC CHIP 82PF	5% 50V
C001	1-163-037-11	CERAMIC CHIP 0.022MF	10% 50V	C123	1-163-139-00	CERAMIC CHIP 820PF	5% 50V
C002	1-126-968-11	ELECT 100MF	20% 50V	C124	1-163-249-11	CERAMIC CHIP 82PF	5% 50V
C003	1-164-492-11	CERAMIC CHIP 0.15MF	10% 16V	C131	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C004	1-163-034-00	CERAMIC CHIP 0.033MF	50V	C135	1-126-934-11	ELECT 220MF	20% 16V
C005	1-163-105-00	CERAMIC CHIP 33PF	5% 50V	C136	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C006	1-163-105-00	CERAMIC CHIP 33PF	5% 50V	C162	1-126-967-11	ELECT 47MF	20% 16V
C007	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V	C201	1-126-965-11	ELECT 22MF	20% 50V
C008	1-126-965-11	ELECT 22MF	20% 50V	C202	1-126-941-11	ELECT 470MF	20% 25V
C009	1-126-961-11	ELECT 2.2MF	20% 50V	C205	1-126-963-11	ELECT 4.7MF	20% 50V
C010	1-163-033-91	CERAMIC CHIP 0.022MF	50V	C206	1-126-933-11	ELECT 100MF	20% 16V
C011	1-163-243-11	CERAMIC CHIP 47PF	5% 50V	C207	1-126-933-11	ELECT 100MF	20% 16V
C012	1-163-113-00	CERAMIC CHIP 68PF	5% 50V	C208	1-126-963-11	ELECT 4.7MF	20% 50V
C013	1-163-078-11	CERAMIC CHIP 0.033MF	10% 25V	C210	1-163-033-91	CERAMIC CHIP 0.022MF	50V
C014	1-164-346-11	CERAMIC CHIP 1MF	16V	C211	1-126-965-11	ELECT 22MF	20% 50V
C015	1-163-121-00	CERAMIC CHIP 150PF	5% 50V	C213	1-164-005-11	CERAMIC CHIP 0.47MF	25V
C016	1-164-222-11	CERAMIC CHIP 0.22MF	25V	C214	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
C017	1-162-638-11	CERAMIC CHIP 1MF	16V	C215	1-163-117-00	CERAMIC CHIP 100PF	5% 50V
C018	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V				(KV-20WS1B)
C019	1-163-037-11	CERAMIC CHIP 0.022MF	10% 50V	C216	1-163-109-00	CERAMIC CHIP 47PF	5% 50V
C020	1-163-038-00	CERAMIC CHIP 0.1MF	25V	C217	1-163-117-00	CERAMIC CHIP 100PF	5% 50V
C021	1-164-005-11	CERAMIC CHIP 0.47MF	25V	C218	1-164-005-11	CERAMIC CHIP 0.47MF	25V
C022	1-126-960-11	ELECT 1MF	20% 50V	C219	1-126-964-11	ELECT 10MF	20% 50V
C024	1-126-965-11	ELECT 22MF	20% 50V	C220	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C025	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V	C221	1-163-117-00	CERAMIC CHIP 100PF	5% 50V
C026	1-126-965-11	ELECT 22MF	20% 50V				(KV-20WS1B)
C027	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V	C222	1-126-934-11	ELECT 220MF	20% 16V
C028	1-163-037-11	CERAMIC CHIP 0.022MF	10% 50V	C223	1-163-133-00	CERAMIC CHIP 470PF	5% 50V
C029	1-163-077-00	CERAMIC CHIP 0.1MF	50V	C224	1-163-133-00	CERAMIC CHIP 470PF	5% 50V
C030	1-163-077-00	CERAMIC CHIP 0.1MF	50V	C225	1-126-964-11	ELECT 10MF	20% 50V
C031	1-163-038-00	CERAMIC CHIP 0.1MF	25V	C226	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V

A

The components identified by shading and marked Δ are critical for safety.
Replace only with the part number specified.

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C227	1-163-084-00	CERAMIC CHIP 1.5PF	0.25PF 50V	C404	1-164-346-11	CERAMIC CHIP 1MF	16V
C228	1-163-084-00	CERAMIC CHIP 1.5PF	0.25PF 50V	C405	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V
C229	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V	C406	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V
C230	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V	C408	1-163-135-00	CERAMIC CHIP 560PF	5% 50V
C231	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V	C409	1-163-135-00	CERAMIC CHIP 560PF	5% 50V
C232	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V	C410	1-126-967-11	ELECT 47MF	20% 16V
C233	1-163-003-11	CERAMIC CHIP 330PF	10% 50V	C411	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C234	1-163-003-11	CERAMIC CHIP 330PF	10% 50V	C412	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C235	1-126-964-11	ELECT 10MF	20% 50V	C413	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V
C236	1-126-964-11	ELECT 10MF	20% 50V	C414	1-126-967-11	ELECT 47MF	20% 16V
C240	1-107-823-11	CERAMIC CHIP 0.47MF	10% 16V	C415	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V
C242	1-164-346-11	CERAMIC CHIP 1MF	16V	C416	1-126-965-11	ELECT 22MF	20% 50V
C243	1-164-346-11	CERAMIC CHIP 1MF	16V	C417	1-126-965-11	ELECT 22MF	20% 50V
C244	1-164-346-11	CERAMIC CHIP 1MF	16V	C418	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V
C245	1-164-346-11	CERAMIC CHIP 1MF	16V	C419	1-164-346-11	CERAMIC CHIP 1MF	16V
C246	1-126-965-11	ELECT 22MF	20% 50V	C420	1-164-346-11	CERAMIC CHIP 1MF	16V
C247	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V	C421	1-164-337-11	CERAMIC CHIP 2.2MF	16V
C300	1-126-942-61	ELECT 1000MF	20% 25V	C422	1-164-337-11	CERAMIC CHIP 2.2MF	16V
C301	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	C423	1-164-337-11	CERAMIC CHIP 2.2MF	16V
C302	1-163-038-00	CERAMIC CHIP 0.1MF	25V	C424	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
C303	1-126-965-11	ELECT 22MF	20% 50V	C425	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
C304	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	C500	1-137-374-11	FILM 0.047MF	5% 50V
C305	1-124-257-00	ELECT 2.2MF	20% 50V	C501	1-126-963-11	ELECT 4.7MF	20% 50V
C306	1-136-164-00	FILM 0.082MF	5% 50V	C502	1-163-077-00	CERAMIC CHIP 0.1MF	50V
C307	1-163-077-00	CERAMIC CHIP 0.1MF	10% 25V	C503	1-126-952-11	ELECT 1000MF	20% 35V
C308	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	C504	1-126-968-11	ELECT 100MF	20% 50V
C309	1-126-163-11	ELECT 4.7MF	20% 50V	C505	1-126-941-11	ELECT 470MF	20% 25V
C310	1-163-077-00	CERAMIC CHIP 0.1MF	10% 25V	C506	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V
C311	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V	C507	1-126-965-11	ELECT 22MF	20% 50V
C312	1-163-038-00	CERAMIC CHIP 0.1MF	25V	C508	1-130-785-11	MYLAR 0.47MF	10% 100V
C313	1-163-137-00	CERAMIC CHIP 680PF	5% 50V	C510	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V
C314	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	C511	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C315	1-163-038-00	CERAMIC CHIP 0.1MF	25V	C601 Δ	1-136-516-12	FILM 0.1MF	20% 300V
C316	1-163-038-00	CERAMIC CHIP 0.1MF	25V	C602 Δ	1-136-516-12	FILM 0.1MF	20% 300V
C317	1-163-038-00	CERAMIC CHIP 0.1MF	25V	C603 Δ	1-117-700-61	CERAMIC 0.0022MF	20% 250V
C319	1-163-038-00	CERAMIC CHIP 0.1MF	25V	C604 Δ	1-117-700-11	CERAMIC 0.0022MF	20% 250V
C320	1-163-038-00	CERAMIC CHIP 0.1MF	25V	C605 Δ	1-162-964-91	CERAMIC 0.0047MF	250V
C321	1-126-963-11	ELECT 4.7MF	20% 50V	C606 Δ	1-162-964-91	CERAMIC 0.0047MF	250V
C322	1-163-101-00	CERAMIC CHIP 22PF	5% 50V	C610	1-104-665-11	ELECT 100MF	20% 25V
C323	1-163-099-00	CERAMIC CHIP 18PF	5% 50V	C611	1-136-538-11	FILM 0.001MF	3% 2KV
C324	1-163-119-00	CERAMIC CHIP 120PF	5% 50V	C612	1-107-929-11	ELECT 10MF	20% 100V
C325	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	C613	1-162-318-11	CERAMIC 0.001MF	10% 500V
C326	1-164-489-91	CERAMIC CHIP 0.22MF	16V	C614	1-104-666-11	ELECT 220MF	20% 25V
C327	1-163-005-11	CERAMIC CHIP 470PF	10% 50V	C615	1-124-347-00	ELECT 100MF	20% 160V
C328	1-163-038-00	CERAMIC CHIP 0.1MF	25V	C616	1-162-116-00	CERAMIC 680PF	10% 2KV
C329	1-163-016-00	CERAMIC CHIP 0.0039MF	10% 50V	C617	1-107-929-11	ELECT 10MF	20% 100V
C330	1-163-038-00	CERAMIC CHIP 0.1MF	25V	C618	1-102-228-00	CERAMIC 470PF	10% 500V
C331	1-104-665-11	ELECT 100MF	20% 25V	C619	1-126-942-61	ELECT 1000MF	20% 25V
C332	1-126-965-11	ELECT 22MF	20% 50V	C621	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
C333	1-107-715-11	ELECT 22MF	20% 16V	C622	1-126-965-11	ELECT 22MF	20% 50V
C341	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	C623	1-111-055-91	ELECT 56MF	20% 25V
C345	1-163-139-00	CERAMIC CHIP 820PF	5% 50V	C624	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
C347	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	C625	1-126-967-11	ELECT 47MF	20% 50V
C353	1-163-117-00	CERAMIC CHIP 100PF	5% 50V	C626	1-102-228-00	CERAMIC 470PF	10% 500V
C355	1-163-059-91	CERAMIC CHIP 0.01MF	10% 50V	C627	1-111-097-11	ELECT 0.0022F	20% 35V
C359	1-126-965-11	ELECT 22MF	20% 50V	C628	1-126-964-11	ELECT 10MF	20% 50V
C360	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V	C629	1-126-933-11	ELECT 100MF	20% 16V
C401	1-126-967-11	ELECT 47MF	20% 16V	C630	1-113-473-11	ELECT (BLOCK) 180MF	20% 400V
C402	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V	C631	1-124-910-11	ELECT 47MF	20% 50V
C403	1-164-346-11	CERAMIC CHIP 1MF	16V	C632	1-106-228-00	MYLAR 0.22MF	10% 100V

The components identified by shading and marked Δ are critical for safety.
Replace only with the part number specified.

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C633	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V			< DIODE >	
C634	1-104-665-11	ELECT 100MF	20% 25V				
C635	1-111-097-11	ELECT 0.0022F	20% 35V	D001	8-719-057-56	DIODE LS5360HL	
C636	1-102-228-00	CERAMIC 470PF	10% 500V		*4-203-258-01	HOLDER, LED; D001	
C638	1-163-205-00	CERAMIC CHIP 0.001MF	10% 50V	D002	8-719-982-27	DIODE MTZJ-33C	
C639	1-102-228-00	CERAMIC 470PF	10% 500V	D003	8-719-914-43	DIODE DAN202K	
C640	1-102-110-00	CERAMIC 220PF	10% 50V	D004	8-719-991-33	DIODE 1SS133T	
C641	1-106-228-00	MYLAR 0.22MF	10% 100V	D005	8-719-914-43	DIODE DAN202K	
C644	1-106-383-00	MYLAR 0.047MF	10% 100V	D006	8-719-914-43	DIODE DAN202K	
C645	1-104-666-11	ELECT 220MF	20% 25V	D007	8-719-914-43	DIODE DAN202K	
C646	1-163-038-00	CERAMIC CHIP 0.1MF	25V	D008	8-719-056-80	DIODE DTZ5.1B	
C647	1-163-038-00	CERAMIC CHIP 0.1MF	25V	D009	8-719-056-80	DIODE DTZ5.1B	
C800	1-126-772-11	ELECT 1MF	20% 250V	D010	8-719-991-33	DIODE 1SS133T	
C801	1-129-719-00	FILM 0.027MF	10% 630V	D011	8-719-056-80	DIODE DTZ5.1B	
C802	1-136-085-00	FILM 0.016MF	3% 2KV	D012	8-719-992-02	DIODE RB705D	
C803	1-136-540-11	FILM 0.82MF	5% 200V	D013	8-719-991-33	DIODE 1SS133T	
C804	1-126-959-11	ELECT 0.47MF	20% 50V	D017	8-719-991-33	DIODE 1SS133T	
C806	1-102-244-00	CERAMIC 220PF	10% 500V	D301	8-719-991-33	DIODE 1SS133T	
C807	1-107-651-11	ELECT 4.7MF	20% 250V	D302	8-719-991-33	DIODE 1SS133T	
C809	1-162-134-11	CERAMIC 470PF	10% 2KV	D303	8-719-991-33	DIODE 1SS133T	
C810	1-129-702-00	FILM 0.001MF	10% 400V	D304	8-719-914-44	DIODE DAP202K	
C811	1-102-228-00	CERAMIC 470PF	10% 500V	D305	8-719-914-44	DIODE DAP202K	
C812	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V	D306	8-719-056-80	DIODE DTZ5.1B	
C813	1-162-116-00	CERAMIC 680PF	10% 2KV	D309	8-719-056-80	DIODE DTZ5.1B	
C815	1-162-134-11	CERAMIC 470PF	10% 2KV	D314	8-719-914-43	DIODE DAN202K	
C817	1-136-559-11	MYLAR 0.0047MF	10% 400V	D315	8-719-914-43	DIODE DAN202K	
C818	1-136-540-11	FILM 0.82MF	5% 200V	D338	8-719-914-43	DIODE DAN202K	
C819	1-162-318-11	CERAMIC 0.001MF	10% 500V	D401	8-719-109-97	DIODE RD6.8ES-B2	
C820	1-126-951-11	ELECT 470MF	20% 35V	D402	8-719-109-97	DIODE RD6.8ES-B2	
C823	1-106-375-12	MYLAR 0.022MF	10% 250V	D403	8-719-109-97	DIODE RD6.8ES-B2	
C824	1-106-367-00	MYLAR 0.01MF	10% 400V	D404	8-719-109-97	DIODE RD6.8ES-B2	
C828	1-104-709-11	ELECT 4.7MF	0 160V	D405	8-719-109-97	DIODE RD6.8ES-B2	
C833	1-106-220-00	MYLAR 0.1MF	10% 100V	D406	8-719-109-97	DIODE RD6.8ES-B2	
C839	1-136-200-11	FILM 0.15MF	5% 400V	D407	8-719-109-97	DIODE RD6.8ES-B2	
C1200	1-136-165-00	FILM 0.1MF	5% 50V	D408	8-719-110-14	DIODE RD9.1ES-B2	
C1201	1-136-157-00	FILM 0.022MF	5% 50V	D409	8-719-110-14	DIODE RD9.1ES-B2	
C1202	1-136-157-00	FILM 0.022MF	5% 50V	D410	8-719-110-14	DIODE RD9.1ES-B2	
C1203	1-136-169-00	FILM 0.22MF	5% 50V	D411	8-719-991-33	DIODE 1SS133T	
C1204	1-136-169-00	FILM 0.22MF	5% 50V	D412	8-719-109-97	DIODE RD6.8ES-B2	
C1205	1-101-004-00	CERAMIC 0.01MF	50V	D413	8-719-991-33	DIODE 1SS133T	
C1206	1-101-004-00	CERAMIC 0.01MF	50V	D415	8-719-110-14	DIODE RD9.1ES-B2	
C1215	1-136-173-00	FILM 0.47MF	5% 50V	D416	8-719-056-84	DIODE UDZ-TE-17-7.5B	
C1216	1-137-366-11	FILM 0.0022MF	5% 50V	D417	8-719-056-84	DIODE UDZ-TE-17-7.5B	
C1217	1-137-366-11	FILM 0.0022MF	5% 50V	D418	8-719-056-84	DIODE UDZ-TE-17-7.5B	
		< FILTER >		D419	8-719-056-84	DIODE UDZ-TE-17-7.5B	
CF001	1-767-120-21	VIBRATOR, CERAMIC		D421	8-719-109-97	DIODE RD6.8ES-B2	
CF200	1-409-327-00	TRAP, CERAMIC (6.5MHZ)	(KV-20WS1B)	D501	8-719-302-43	DIODE EL1Z	
		< CONNECTOR >		D602	8-719-991-33	DIODE 1SS133T	
CN001	*1-564-508-11	PLUG, CONNECTOR 5P		D603	8-719-109-97	DIODE RD6.8ES-B2	
CN081	*1-568-881-51	PIN, CONNECTOR 6P		D604	8-719-302-43	DIODE EL1Z	
CN082	*1-568-880-51	PIN, CONNECTOR 5P		D605	8-719-302-43	DIODE EL1Z	
CN201	*1-568-879-11	PIN, CONNECTOR 4P		D606	8-719-028-89	DIODE EK04-V1	
CN402	*1-564-512-11	PLUG, CONNECTOR 9P		D607	8-719-046-78	DIODE EG-1Z-V1	
CN405	*1-766-955-11	CONNECTOR, BOARD TO BOARD 11P		D608	8-719-302-43	DIODE EL1Z	
CN601 Δ	*1-580-844-11	PIN, CONNECTOR (POWER)		D609	8-719-312-10	DIODE RU4AM-T3	
CN603 Δ	1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P		D610	8-719-025-88	DIODE GBU4JL-6088	
CN604	1-695-915-11	TAB (CONTACT)		D612	8-719-046-76	DIODE RU3YX-LF-C4	
CN801	*1-580-798-11	CONNECTOR PIN (DY) 6P		D613	8-719-058-38	DIODE FMN-G12S	
CN1202	*1-568-882-51	PIN, CONNECTOR 7P		D614	8-719-109-97	DIODE RD6.8ES-B2	
				D615	8-719-302-43	DIODE EL1Z	
				D616	8-719-110-03	DIODE RD7.5ES-B2	
				D617	8-719-991-33	DIODE 1SS133T	

A

The components identified by shading and marked Δ are critical for safety.
Replace only with the part number specified.

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifique.

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
D619	8-719-046-78	DIODE EG-1Z-V1		IC605	8-759-510-52	IC L4941BV	
D620	8-719-110-14	DIODE RD9.1ES-B3			4-202-373-01	SPRING, IC; IC605	
D621	8-719-058-38	DIODE FMN-G12S		IC1200	8-759-473-02	IC TDA7269	
D622	8-719-991-33	DIODE 1SS133T			4-202-373-01	SPRING, IC; IC1200	
D623	8-719-924-16	DIODE MPZJ-T-77-24			4-202-710-11	SPACER, INSULATING; IC1200	
D625	8-719-991-33	DIODE 1SS133T			< SOCKET >		
D626	8-719-302-43	DIODE EL1Z		J401	1-695-551-11	SOCKET 21P	
D627	8-719-991-33	DIODE 1SS133T			< COIL >		
D802	8-719-302-43	DIODE EL1Z		L001	1-414-181-11	INDUCTOR 4.7UH	
D803	8-719-945-80	DIODE ERC06-15S		L003	1-408-405-00	INDUCTOR 4.7UH	
D805	8-719-928-08	DIODE ERD28-08S		L108	1-414-740-21	INDUCTOR 4.7UH	
D806	8-719-302-43	DIODE EL1Z		L111	1-408-408-00	INDUCTOR 8.2UH	
D807	8-719-991-33	DIODE 1SS133T		L112	1-408-397-00	INDUCTOR 1UH	
D809	1-535-143-31	LEAD JUMPER (15MM)		L113	1-408-408-00	INDUCTOR 8.2UH	
D1200	8-719-109-72	DIODE RD3.9ES-B2		L200	1-408-406-00	INDUCTOR 5.6UH	(KV-20WS1B)
		< FUSE >		L201	1-535-303-00	LEAD, JUMPER (5.0MM)	
F601	Δ 1-576-231-11	FUSE (4A 250V)		L203	1-410-385-11	INDUCTOR CHIP 22UH	
	*1-533-725-11	HOLDER, FUSE; F601		L204	1-410-385-11	INDUCTOR CHIP 22UH	
		< FERRITE BEAD >		L301	1-410-989-11	INDUCTOR CHIP 0.47UH	
FB001	1-412-911-11	INDUCTOR, FERRITE BEAD		L302	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH	
FB002	1-412-911-11	INDUCTOR, FERRITE BEAD		L401	1-408-409-00	INDUCTOR 10UH	
FB003	1-412-911-11	INDUCTOR, FERRITE BEAD		L402	1-408-409-00	INDUCTOR 10UH	
FB600	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH		L403	1-535-303-00	LEAD, JUMPER (5.0MM)	
FB601	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH		L404	1-535-303-00	LEAD, JUMPER (5.0MM)	
FB602	1-412-911-11	INDUCTOR, FERRITE BEAD		L405	1-408-409-00	INDUCTOR 10UH	
FB604	1-535-303-00	LEAD, JUMPER (5.0MM)		L406	1-408-409-00	INDUCTOR 10UH	
FB605	1-412-911-11	INDUCTOR, FERRITE BEAD		L407	1-408-409-00	INDUCTOR 10UH	
FB606	1-412-911-11	INDUCTOR, FERRITE BEAD		L408	1-408-409-00	INDUCTOR 10UH	
FB607	1-412-911-11	INDUCTOR, FERRITE BEAD		L409	1-410-985-11	INDUCTOR CHIP 0.22UH	
		< ENCAPSULATED FILTER >		L410	1-408-409-00	INDUCTOR 10UH	
FL201	1-239-803-11	FILTER, EMI		L411	1-408-409-00	INDUCTOR 10UH	
		< IC >		L412	1-410-985-11	INDUCTOR CHIP 0.22UH	
IC001	8-759-495-43	IC SDA5255-A031		L501	1-412-525-31	INDUCTOR 10UH	
		(KV-20WS1A/20WS1B/20WS1D/ 20WS1E/20WS1K/20WS1U)		L609	1-414-743-21	INDUCTOR 47UH	
	8-759-495-42	IC SDA5255-A032	(KV-20WS1R)	L611	1-414-743-21	INDUCTOR 47UH	
	8-759-486-29	IC SDA5255A026	(Greek Text)	L612	1-412-522-41	INDUCTOR 5.6UH	
IC002	8-759-437-34	IC ST24W04FB6		L613	1-412-522-41	INDUCTOR 5.6UH	
IC003	8-742-014-10	HYB IC SBX1981-51		L800	1-412-553-11	INDUCTOR 3.3MMH	
IC004	8-759-073-00	IC TEA2114		L801	1-535-303-00	LEAD, JUMPER (5.0MM)	
IC005	8-759-510-54	IC PST572D		L802	1-411-635-11	COIL, AIR-CORE	
IC200	8-759-429-97	IC MSP3400C-PP-C6		L803	1-411-816-11	COIL, CHOKE 680UH	
		(KV-20WS1A/20WS1D/20WS1K/20WS1R)		L804	1-459-075-00	COIL, DYNAMIC CONVERSION CHOKE	
	8-759-481-43	IC MSP3410D-PP-B3		L805	1-535-303-00	LEAD, JUMPER (5.0MM)	
		(KV-20WS1B/20WS1E/20WS1U)		L806	0-552-675-00	HLC	
IC201	8-759-502-21	IC TDA2822M		L807	1-535-303-00	LEAD, JUMPER (5.0MM)	
IC301	8-759-333-45	IC MC44002P		L808	1-406-974-41	COIL, CHOKE 33UH	
IC302	8-759-333-46	IC MC44140P		L810	1-408-947-00	INDUCTOR 2.2MMH	
IC401	8-759-064-91	IC NJM2233BL		L811	1-412-525-31	INDUCTOR 10UH	
IC501	8-759-192-71	IC STV9379			< IC LINK >		
	4-202-373-01	SPRING, IC; IC501		PS600	Δ 1-532-686-21	LINK, IC 2.7A (ICP-N75)	
IC600	8-749-924-99	IC STR-S6707		PS601	Δ 1-532-686-21	LINK, IC 2.7A (ICP-N75)	
	4-202-373-01	SPRING, IC; IC600		PS603	Δ 1-532-686-21	LINK, IC 2.7A (ICP-N75)	
IC601	Δ 8-749-010-64	PHOTO COUPLER PC123F2			< TRANSISTOR >		
IC602	8-749-012-79	IC SE117N		Q002	8-729-620-06	TRANSISTOR 2SC3052-EF	
IC603	8-759-507-29	IC LM7808CT		Q006	8-729-216-22	TRANSISTOR 2SA1162-G	
IC604	8-759-457-41	IC KA76L05Z		Q007	8-729-620-06	TRANSISTOR 2SC3052-EF	
				Q008	8-729-620-06	TRANSISTOR 2SC3052-EF	

A

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
Q009	8-729-620-06	TRANSISTOR 2SC3052-EF		R005	1-216-174-00	METAL GLAZE 100 5%	1/8W
Q011	1-801-806-11	TRANSISTOR DTC144EKA		R006	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
Q012	8-729-620-06	TRANSISTOR 2SC3052-EF		R007	1-216-089-00	METAL GLAZE 47K 5%	1/10W
Q013	8-729-620-06	TRANSISTOR 2SC3052-EF		R008	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
Q014	8-729-620-06	TRANSISTOR 2SC3052-EF		R009	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
Q107	8-729-119-78	TRANSISTOR 2SC2785-HFE		R010	1-216-031-00	METAL GLAZE 180 5%	1/10W
Q110	8-729-620-06	TRANSISTOR 2SC3052-EF		R011	1-216-073-00	METAL GLAZE 10K 5%	1/10W
Q118	8-729-620-06	TRANSISTOR 2SC3052-EF		R012	1-249-437-11	CARBON 47K 5%	1/4W
Q200	8-729-900-53	TRANSISTOR DTC114EKA		R013	1-216-069-00	METAL GLAZE 6.8K 5%	1/10W
Q201	8-729-027-56	TRANSISTOR DTC143TKA-T146		R014	1-216-071-00	METAL GLAZE 8.2K 5%	1/10W
Q202	8-729-027-56	TRANSISTOR DTC143TKA-T146		R015	1-216-296-00	CONDUCTOR, CHIP	
Q204	8-729-620-06	TRANSISTOR 2SC3052-EF		R016	1-216-069-00	METAL GLAZE 6.8K 5%	1/10W
Q205	8-729-620-06	TRANSISTOR 2SC3052-EF		R017	1-216-095-00	METAL GLAZE 82K 5%	1/10W
Q207	8-729-620-06	TRANSISTOR 2SC3052-EF	(KV-20WS1B)	R018	1-216-025-00	METAL GLAZE 100 5%	1/10W
Q208	8-729-216-22	TRANSISTOR 2SA1162-G	(KV-20WS1B)	R019	1-216-067-00	METAL GLAZE 5.6K 5%	1/10W
Q209	8-729-620-06	TRANSISTOR 2SC3052-EF	(KV-20WS1B)	R020	1-216-061-00	METAL GLAZE 3.3K 5%	1/10W
Q210	8-729-620-06	TRANSISTOR 2SC3052-EF		R021	1-216-258-00	METAL GLAZE 330K 5%	1/8W
Q300	8-729-620-06	TRANSISTOR 2SC3052-EF		R022	1-216-081-00	METAL GLAZE 22K 5%	1/10W
Q304	8-729-900-53	TRANSISTOR DTC114EK		R023	1-216-041-00	METAL GLAZE 470 5%	1/10W
Q305	8-729-900-53	TRANSISTOR DTC114EK		R025	1-216-091-00	METAL GLAZE 56K 5%	1/10W
Q306	8-729-900-53	TRANSISTOR DTC114EK		R026	1-216-063-91	METAL GLAZE 3.9K 5%	1/10W
Q309	8-729-216-22	TRANSISTOR 2SA1162-G		R027	1-216-081-00	METAL GLAZE 22K 5%	1/10W
Q310	8-729-620-06	TRANSISTOR 2SC3052-EF		R029	1-216-039-00	METAL GLAZE 390 5%	1/10W
Q311	8-729-620-06	TRANSISTOR 2SC3052-EF		R030	1-215-900-11	METAL OXIDE 22K 5%	2W F
Q312	8-729-620-06	TRANSISTOR 2SC3052-EF		R031	1-216-025-00	METAL GLAZE 100 5%	1/10W
Q402	8-729-620-06	TRANSISTOR 2SC3052-EF		R032	1-216-025-00	METAL GLAZE 100 5%	1/10W
Q403	8-729-620-06	TRANSISTOR 2SC3052-EF		R033	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
Q404	8-729-620-06	TRANSISTOR 2SC3052-EF		R034	1-216-073-00	METAL GLAZE 10K 5%	1/10W
Q405	8-729-620-06	TRANSISTOR 2SC3052-EF		R036	1-216-295-00	CONDUCTOR, CHIP	
Q406	8-729-620-06	TRANSISTOR 2SC3052-EF		R037	1-216-093-00	METAL GLAZE 68K 5%	1/10W
Q407	8-729-620-06	TRANSISTOR 2SC3052-EF		R038	1-216-295-00	CONDUCTOR, CHIP	
Q408	8-729-620-06	TRANSISTOR 2SC3052-EF		R040	1-216-073-00	METAL GLAZE 10K 5%	1/10W
Q409	8-729-620-06	TRANSISTOR 2SC3052-EF		R041	1-216-206-00	METAL GLAZE 2.2K 5%	1/8W
Q410	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		R042	1-216-027-00	METAL GLAZE 120 5%	1/10W
Q411	8-729-620-06	TRANSISTOR 2SC3052-EF		R043	1-216-022-00	METAL GLAZE 75 5%	1/10W
Q500	8-729-017-06	TRANSISTOR 2SC4793		R044	1-216-073-00	METAL GLAZE 10K 5%	1/10W
Q501	8-729-620-06	TRANSISTOR 2SC3052-EF		R045	1-216-081-00	METAL GLAZE 22K 5%	1/10W
Q601	8-729-025-04	TRANSISTOR 2SC3852A		R046	1-216-254-00	METAL GLAZE 220K 5%	1/8W
Q602	8-729-320-28	TRANSISTOR 2SA1667		R047	1-216-077-91	METAL GLAZE 15K 5%	1/10W
Q603	8-729-027-08	TRANSISTOR 2SC2389STP-R		R049	1-216-041-00	METAL GLAZE 470 5%	1/10W
Q604	8-729-024-35	TRANSISTOR 2SC2808STP-R		R050	1-216-089-00	METAL GLAZE 47K 5%	1/10W
Q606	8-729-029-56	TRANSISTOR DTA144ESA		R051	1-216-174-00	METAL GLAZE 100 5%	1/8W
Q608	8-729-027-56	TRANSISTOR DTC143TKA-T146		R052	1-216-073-00	METAL GLAZE 10K 5%	1/10W
Q617	8-729-119-78	TRANSISTOR 2SC2785-HFE		R053	1-216-045-00	METAL GLAZE 680 5%	1/10W
Q801	8-729-140-50	TRANSISTOR 2SC3209LK		R054	1-216-129-00	METAL GLAZE 2.2M 5%	1/10W
Q802	8-729-041-25	TRANSISTOR S2055N-16E305A		R057	1-216-198-91	METAL GLAZE 1K 5%	1/8W
	4-382-854-11	SCREW (M3X10), P, SW (+);Q802					
Q803	1-801-806-11	TRANSISTOR DTC144EKA		R058	1-216-198-91	METAL GLAZE 1K 5%	1/8W
Q804	8-729-019-01	TRANSISTOR 2SD2394-EF		R060	1-216-061-00	METAL GLAZE 3.3K 5%	1/10W
	*4-368-683-11	SPRING, TRANSISTOR; Q804		R061	1-216-073-00	METAL GLAZE 10K 5%	1/10W
Q805	8-729-255-12	TRANSISTOR 2SC2551-0		R062	1-216-073-00	METAL GLAZE 10K 5%	1/10W
Q810	8-729-027-38	TRANSISTOR DTA144EKA-T146		R063	1-216-061-00	METAL GLAZE 3.3K 5%	1/10W
Q811	1-801-806-11	TRANSISTOR DTC144EKA		R064	1-216-222-00	METAL GLAZE 10K 5%	1/8W
Q1200	8-729-620-06	TRANSISTOR 2SC3052-EF		R065	1-216-073-00	METAL GLAZE 10K 5%	1/10W
Q1201	8-729-620-06	TRANSISTOR 2SC3052-EF		R066	1-216-073-00	METAL GLAZE 10K 5%	1/10W
		< RESISTOR >		R067	1-216-081-00	METAL GLAZE 22K 5%	1/10W
R001	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W	R068	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R002	1-216-025-00	METAL GLAZE 100 5%	1/10W	R069	1-216-081-00	METAL GLAZE 22K 5%	1/10W
R003	1-216-025-00	METAL GLAZE 100 5%	1/10W	R070	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R004	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W	R071	1-216-174-00	METAL GLAZE 100 5%	1/8W
				R072	1-216-174-00	METAL GLAZE 100 5%	1/8W
				R073	1-216-025-00	METAL GLAZE 100 5%	1/10W

A

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R074	1-216-025-00	METAL GLAZE	100 5% 1/10W	R231	1-216-035-00	METAL GLAZE	270 5% 1/10W (KV-20WS1B)
R078	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W	R236	1-216-089-00	METAL GLAZE	47K 5% 1/10W
R088	1-216-043-91	METAL GLAZE	560 5% 1/10W	R237	1-216-093-00	METAL GLAZE	68K 5% 1/10W
R089	1-216-043-91	METAL GLAZE	560 5% 1/10W	R238	1-216-089-00	METAL GLAZE	47K 5% 1/10W
R090	1-216-043-91	METAL GLAZE	560 5% 1/10W	R239	1-216-093-00	METAL GLAZE	68K 5% 1/10W
R097	1-216-051-00	METAL GLAZE	1.2K 5% 1/10W	R240	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R098	1-216-051-00	METAL GLAZE	1.2K 5% 1/10W	R301	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R099	1-216-200-11	METAL GLAZE	1.2K 5% 1/8W	R302	1-216-037-00	METAL GLAZE	330 5% 1/10W
R110	1-216-174-00	METAL GLAZE	100 5% 1/8W	R303	1-216-090-00	METAL GLAZE	51K 5% 1/10W
R111	1-216-174-00	METAL GLAZE	100 5% 1/8W	R304	1-216-025-00	METAL GLAZE	100 5% 1/10W
R112	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R305	1-216-025-00	METAL GLAZE	100 5% 1/10W
R113	1-216-113-00	METAL GLAZE	470K 5% 1/10W	R306	1-216-113-00	METAL GLAZE	470K 5% 1/10W
R114	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	R307	1-216-121-91	METAL GLAZE	1M 5% 1/10W
R115	1-216-190-00	METAL GLAZE	470 5% 1/8W	R308	1-216-085-00	METAL GLAZE	33K 5% 1/10W
R116	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R309	1-216-121-91	METAL GLAZE	1M 5% 1/10W
R117	1-216-222-00	METAL GLAZE	10K 5% 1/8W	R310	1-216-089-00	METAL GLAZE	47K 5% 1/10W
R118	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W	R311	1-216-025-00	METAL GLAZE	100 5% 1/10W
R119	1-216-031-00	METAL GLAZE	180 5% 1/10W	R312	1-216-097-00	METAL GLAZE	100K 5% 1/10W
R120	1-216-041-00	METAL GLAZE	470 5% 1/10W	R313	1-216-045-00	METAL GLAZE	680 5% 1/10W
R124	1-216-025-00	METAL GLAZE	100 5% 1/10W	R314	1-216-045-00	METAL GLAZE	680 5% 1/10W
R125	1-216-025-00	METAL GLAZE	100 5% 1/10W	R315	1-216-045-00	METAL GLAZE	680 5% 1/10W
R126	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W	R316	1-216-033-00	METAL GLAZE	220 5% 1/10W
R134	1-216-037-00	METAL GLAZE	330 5% 1/10W	R317	1-216-033-00	METAL GLAZE	220 5% 1/10W
R163	1-216-029-00	METAL GLAZE	150 5% 1/10W	R318	1-216-021-00	METAL GLAZE	68 5% 1/10W
R174	1-216-033-00	METAL GLAZE	220 5% 1/10W	R322	1-216-022-00	METAL GLAZE	75 5% 1/10W
R200	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R323	1-216-089-00	METAL GLAZE	47K 5% 1/10W
R202	1-216-097-00	METAL GLAZE	100K 5% 1/10W	R324	1-216-133-00	METAL GLAZE	3.3M 5% 1/10W
R203	1-216-077-00	METAL GLAZE	15K 5% 1/10W	R325	1-216-089-00	METAL GLAZE	47K 5% 1/10W
R204	1-216-077-00	METAL GLAZE	15K 5% 1/10W	R326	1-216-041-00	METAL GLAZE	470 5% 1/10W
R205	1-216-295-00	CONDUCTOR, CHIP		R327	1-216-097-00	METAL GLAZE	100K 5% 1/10W
R206	1-249-399-11	CARBON	33 5% 1/4W	R328	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R208	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R329	1-216-075-00	METAL GLAZE	12K 5% 1/10W
R209	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	R330	1-216-295-00	CONDUCTOR, CHIP	
R210	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	R331	1-216-222-00	METAL GLAZE	10K 5% 1/8W
R211	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R333	1-216-037-00	METAL GLAZE	330 5% 1/10W
R213	1-216-174-00	METAL GLAZE	100 5% 1/8W	R334	1-216-033-00	METAL GLAZE	220 5% 1/10W
R214	1-216-174-00	METAL GLAZE	100 5% 1/8W	R335	1-216-025-00	METAL GLAZE	100 5% 1/10W
R215	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R336	1-216-025-00	METAL GLAZE	100 5% 1/10W
R218	1-216-037-00	METAL GLAZE	330 5% 1/10W (KV-20WS1B)	R337	1-216-025-00	METAL GLAZE	100 5% 1/10W
R219	1-216-049-00	METAL GLAZE	1K 5% 1/10W (KV-20WS1B)	R338	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W
R220	1-216-045-00	METAL GLAZE	680 5% 1/10W (KV-20WS1B)	R339	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W
R221	1-216-033-00	METAL GLAZE	220 5% 1/10W (KV-20WS1B)	R340	1-216-246-00	METAL GLAZE	100K 5% 1/8W
R222	1-216-001-00	METAL GLAZE	10 5% 1/10W (KV-20WS1B)	R341	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W
R223	1-216-041-00	METAL GLAZE	470 5% 1/10W (KV-20WS1B)	R342	1-216-186-00	METAL GLAZE	330 5% 1/8W
R224	1-216-025-00	METAL GLAZE	100 5% 1/10W (KV-20WS1B)	R343	1-216-295-00	CONDUCTOR, CHIP	
R225	1-216-037-00	METAL GLAZE	330 5% 1/10W	R344	1-216-295-00	CONDUCTOR, CHIP	
R226	1-216-081-00	METAL GLAZE	22K 5% 1/10W	R345	1-216-089-00	METAL GLAZE	47K 5% 1/10W
R227	1-216-081-00	METAL GLAZE	22K 5% 1/10W	R351	1-218-463-11	METAL GLAZE	8.2M 5% 1/10W
R228	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W (KV-20WS1B)	R354	1-216-033-00	METAL GLAZE	220 5% 1/10W
R229	1-216-073-00	METAL GLAZE	10K 5% 1/10W (KV-20WS1B)	R355	1-216-689-11	METAL GLAZE	39K 5% 1/10W
R230	1-216-025-00	METAL GLAZE	100 5% 1/10W (KV-20WS1B)	R359	1-216-101-00	METAL GLAZE	150K 5% 1/10W
				R360	1-216-049-00	METAL GLAZE	1K 5% 1/10W
				R361	1-216-022-00	METAL GLAZE	75 5% 1/10W
				R362	1-216-022-00	METAL GLAZE	75 5% 1/10W
				R363	1-216-022-00	METAL GLAZE	75 5% 1/10W
				R364	1-216-081-00	METAL GLAZE	22K 5% 1/10W
				R365	1-216-089-00	METAL GLAZE	47K 5% 1/10W
				R366	1-216-041-00	METAL GLAZE	470 5% 1/10W
				R367	1-216-081-00	METAL GLAZE	22K 5% 1/10W

The components identified by shading and marked Δ are critical for safety.
Replace only with the part number specified.

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

A

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R368	1-216-089-00	METAL GLAZE	47K 5% 1/10W	R604	1-215-902-11	METAL OXIDE	47K 5% 2W F
R369	1-216-238-91	METAL GLAZE	47K 5% 1/8W	R605	1-216-363-00	METAL OXIDE	0.33 5% 2W F
R371	1-216-192-00	METAL GLAZE	560 5% 1/8W	R606	1-535-143-11	LEAD, JUMPER (10.0MM)	
R372	1-216-043-91	METAL GLAZE	560 5% 1/10W	R607	1-215-860-11	METAL OXIDE	33 5% 1W F
R401	1-216-041-00	METAL GLAZE	470 5% 1/10W	R608	1-216-365-00	METAL OXIDE	0.47 5% 2W F
R402	1-247-807-31	CARBON	100 5% 1/4W	R609	1-249-420-11	CARBON	1.8K 5% 1/4W
R403	1-247-807-31	CARBON	100 5% 1/4W	R610	1-249-417-11	CARBON	1K 5% 1/4W
R404	1-216-022-00	METAL GLAZE	75 5% 1/10W	R611	1-216-354-11	METAL OXIDE	2.7 5% 1W F
R405	1-216-113-00	METAL GLAZE	470K 5% 1/10W	R612	Δ 1-260-135-11	CARBON	1M 5% 1/2W
R406	1-216-091-00	METAL GLAZE	56K 5% 1/10W	R613	1-249-417-11	CARBON	1K 5% 1/4W
R407	1-216-691-11	METAL CHIP	47K 0.50% 1/10W	R614	Δ 1-218-265-11	METAL	8.2M 5% 1W
R408	1-216-691-11	METAL CHIP	47K 0.50% 1/10W	R615	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R409	1-216-691-11	METAL CHIP	47K 0.50% 1/10W	R616	1-215-479-00	METAL	270K 1% 1/4W
R410	1-216-022-00	METAL GLAZE	75 5% 1/10W	R617	1-215-877-11	METAL OXIDE	22K 5% 1W F
R411	1-216-091-00	METAL GLAZE	56K 5% 1/10W	R618	1-247-863-91	CARBON	22K 5% 1/4W
R412	1-216-041-00	METAL GLAZE	470 5% 1/10W	R619	1-249-424-11	CARBON	3.9K 5% 1/4W
R413	1-216-113-00	METAL GLAZE	470K 5% 1/10W	R620	1-247-895-91	CARBON	470K 5% 1/4W
R414	1-260-311-11	CARBON	39 5% 1/2W	R621	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W
R415	1-260-311-11	CARBON	39 5% 1/2W	R622	1-249-437-11	CARBON	47K 5% 1/4W
R416	1-216-022-00	METAL GLAZE	75 5% 1/10W	R623	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R417	1-216-174-00	METAL GLAZE	100 5% 1/8W	R625	1-249-417-11	CARBON	1K 5% 1/4W
R418	1-216-113-00	METAL GLAZE	470K 5% 1/10W	R626	1-535-303-00	LEAD, JUMPER (5.0MM)	
R419	1-216-113-00	METAL GLAZE	470K 5% 1/10W	R628	1-216-049-00	METAL GLAZE	1K 5% 1/10W
R420	1-247-807-31	CARBON	100 5% 1/4W	R629	1-216-357-00	METAL OXIDE	4.7 5% 1W F
R421	1-247-807-31	CARBON	100 5% 1/4W	R630	1-216-365-00	METAL OXIDE	0.47 5% 2W F
R422	1-216-691-11	METAL CHIP	47K 0.50% 1/10W	R631	1-216-389-11	METAL OXIDE	1 5% 3W F
R423	1-216-691-11	METAL CHIP	47K 0.50% 1/10W	R632	1-247-807-31	CARBON	100 5% 1/4W
R424	1-216-691-11	METAL CHIP	47K 0.50% 1/10W	R634	1-249-397-11	CARBON	22 5% 1/4W F
R425	1-216-651-11	METAL CHIP	1K 0.50% 1/10W	R635	1-249-437-11	CARBON	47K 5% 1/4W
R426	1-216-651-11	METAL CHIP	1K 0.50% 1/10W	R636	1-249-417-11	CARBON	1K 5% 1/4W
R427	1-216-651-11	METAL CHIP	1K 0.50% 1/10W	R637	1-247-815-91	CARBON	220 5% 1/4W
R428	1-216-053-00	METAL GLAZE	1.5K 5% 1/10W	R638	1-247-863-91	CARBON	22K 5% 1/4W
R429	1-216-188-00	METAL GLAZE	390 5% 1/8W	R639	1-249-429-11	CARBON	10K 5% 1/4W
R430	1-216-001-00	METAL GLAZE	10 5% 1/10W	R645	1-249-422-11	CARBON	2.7K 5% 1/4W
R431	1-216-041-00	METAL GLAZE	470 5% 1/10W	R646	1-249-382-11	CARBON	1.2 5% 1/4W F
R432	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R647	1-202-933-61	FUSIBLE	0.1 10% 1/2W F
R433	1-216-051-00	METAL GLAZE	1.2K 5% 1/10W	R648	1-249-407-11	CARBON	150 5% 1/4W
R434	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W	R651	1-215-902-11	METAL OXIDE	47K 5% 2W F
R435	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R800	1-215-886-11	METAL OXIDE	100 5% 2W F
R436	1-216-001-00	METAL GLAZE	10 5% 1/10W	R801	1-216-049-00	METAL GLAZE	1K 5% 1/10W
R437	1-216-017-00	METAL GLAZE	47 5% 1/10W	R802	1-216-174-00	METAL GLAZE	100 5% 1/8W
R501	1-216-079-00	METAL GLAZE	18K 5% 1/10W	R803	1-216-081-00	METAL GLAZE	22K 5% 1/10W
R502	1-216-675-11	METAL CHIP	10K 0.50% 1/10W	R804	1-217-778-11	FUSIBLE	1K 5% 1W F
R503	1-216-212-00	METAL GLAZE	3.9K 5% 1/8W	R806	1-216-347-11	METAL OXIDE	0.68 5% 1W F
R504	1-216-077-00	METAL GLAZE	15K 5% 1/10W	R807	1-249-399-11	CARBON	33 5% 1/4W
R505	1-216-079-00	METAL GLAZE	18K 5% 1/10W	R808	1-202-823-11	SOLID	2.7K 10% 1/2W
R506	1-216-663-11	METAL CHIP	3.3K 0.50% 1/10W	R810	1-247-895-91	CARBON	470K 5% 1/4W
R507	1-216-350-11	METAL OXIDE	1.2 5% 1W F	R813	1-216-295-00	CONDUCTOR, CHIP	
R508	1-215-865-11	METAL OXIDE	220 5% 1W F	R814	1-217-811-11	FUSIBLE	0.47 5% 1/4W
R509	1-249-383-11	CARBON	1.5 5% 1/4W F	R815	1-216-105-91	METAL GLAZE	220K 5% 1/10W
R510	1-216-093-00	METAL GLAZE	68K 5% 1/10W	R816	1-216-366-00	METAL OXIDE	0.56 5% 2W F
R513	1-249-431-11	CARBON	15K 5% 1/4W	R819	1-249-441-11	CARBON	100K 5% 1/4W
R514	1-216-113-00	METAL GLAZE	470K 5% 1/10W	R820	1-249-923-11	CARBON	1K 5% 1/4W F
R515	1-216-093-00	METAL GLAZE	68K 5% 1/10W	R821	1-216-115-00	METAL GLAZE	560K 5% 1/10W
R516	1-216-047-91	METAL GLAZE	820 5% 1/10W	R823	1-249-413-11	CARBON	470 5% 1/4W
R517	1-215-912-11	METAL OXIDE	150 5% 3W F	R826	1-216-296-00	CONDUCTOR, CHIP	
R518	1-215-868-00	METAL OXIDE	680 5% 1W F	R828	1-216-103-00	METAL GLAZE	180K 5% 1/10W
R601	Δ 1-202-962-11	WIREWOUND	3.3 5% 10W	R829	1-535-143-71	LEAD, JUMPER (7.5MM)	
R602	1-249-417-11	CARBON	1K 5% 1/4W	R831	1-216-113-00	METAL GLAZE	470K 5% 1/10W
R603	1-215-875-11	METAL OXIDE	10K 5% 1W F	R832	1-216-079-00	METAL GLAZE	18K 5% 1/10W



The components identified by shading and marked Δ are critical for safety.
Replace only with the part number specified.

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifique.

REF.NO.	PART NO.	DESCRIPTION	REMARK
R834	1-249-441-11	CARBON 100K 5%	1/4W
R841	1-212-849-00	FUSIBLE 4.7 5%	1/4W F
R844	1-260-115-11	CARBON 22K 5%	1/2W
R863	1-216-085-00	METAL GLAZE 33K 5%	1/10W
R864	1-216-452-11	METAL OXIDE 180 5%	2W F
R1200	1-216-206-00	METAL GLAZE 2.2K 5%	1/8W
R1201	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R1202	1-216-081-00	METAL GLAZE 22K 5%	1/10W
R1203	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R1204	1-216-222-00	METAL GLAZE 10K 5%	1/8W
R1205	1-216-222-00	METAL GLAZE 10K 5%	1/8W
R1206	1-216-079-00	METAL GLAZE 18K 5%	1/10W
R1207	1-216-043-91	METAL GLAZE 560 5%	1/10W
R1208	1-212-849-00	FUSIBLE 4.7 5%	1/4W F
R1209	1-212-849-00	FUSIBLE 4.7 5%	1/4W F
R1211	1-249-424-11	CARBON 3.9K 5%	1/4W
R1212	1-249-424-11	CARBON 3.9K 5%	1/4W
R1213	1-216-079-00	METAL GLAZE 18K 5%	1/10W
R1214	1-216-192-00	METAL GLAZE 560 5%	1/8W
< RELAY >			
RY600	Δ 1-755-018-11	RELAY	
< SWITCH >			
S001	1-571-532-21	SWITCH, TACTIL	
S002	1-571-532-21	SWITCH, TACTIL	
S003	1-571-532-21	SWITCH, TACTIL	
S004	1-571-532-21	SWITCH, TACTIL	
S005	1-571-532-21	SWITCH, TACTIL	
S006	1-571-532-21	SWITCH, TACTIL	
S601	Δ 1-571-433-21	SWITCH, PUSH (AC POWER)	
< TRANSFORMER >			
T601	Δ 1-427-962-21	TRANSFORMER, LINE FILTER	
T602	Δ 1-431-594-11	TRANSFORMER, CONVERTER	
T801	1-437-090-31	HDT	
T802	Δ 1-453-254-11	TRANSFORMER ASSY, FLYBACK (NX-4004/M3A4)	
< THERMISTOR >			
THP601	Δ 1-809-827-11	THERMISTOR, POSITIVE	
< TUNER >			
TU101	1-693-338-11	TUNER/VIF (AEP) (KV-20WS1A/20WS1D/20WS1E /20WS1K/20WS1R)	
	1-693-340-11	TUNER/VIF (FR) (KV-20WS1B)	
	1-693-339-11	TUNER/VIF (UK) (KV-20WS1U)	
< CRYSTAL >			
X201	1-760-628-11	VIBRATOR, CRYSTAL	
X301	1-760-907-21	VIBRATOR, CRYSTAL	
X302	1-760-710-21	VIBRATOR, CRYSTAL	

REF.NO.	PART NO.	DESCRIPTION	REMARK
	*A-1638-109-A	C BOARD, COMPLETE *****	
< CAPACITOR >			
C700	1-136-189-00	FILM 0.1MF	10% 250V
C701	1-163-135-00	CERAMIC CHIP 560PF	5% 50V
C702	1-163-135-00	CERAMIC CHIP 560PF	5% 50V
C703	1-163-131-00	CERAMIC CHIP 390PF	5% 50V
C704	1-163-005-11	CERAMIC CHIP 470PF	10% 50V
C705	1-163-005-11	CERAMIC CHIP 470PF	10% 50V
C706	1-163-005-11	CERAMIC CHIP 470PF	10% 50V
C709	1-162-114-00	CERAMIC 0.0047MF	2KV
C710	1-104-664-11	ELECT 47MF	20% 16V
C711	1-163-141-00	CERAMIC CHIP 0.001MF	5% 50V
C712	1-163-141-00	CERAMIC CHIP 0.001MF	5% 50V
C713	1-163-141-00	CERAMIC CHIP 0.001MF	5% 50V
C714	1-162-318-11	CERAMIC 0.001MF	10% 500V
C715	1-162-114-00	CERAMIC 0.0047MF	2KV
< CONNECTOR >			
CN071	*1-568-881-51	PIN, CONNECTOR 6P	
CN072	*1-568-880-51	PIN, CONNECTOR 5P	
CN073	1-695-915-11	TAB (CONTACT)	
CN074	1-695-915-11	TAB (CONTACT)	
< DIODE >			
D704	8-719-991-33	DIODE 1SS133T-77	
D705	8-719-991-33	DIODE 1SS133T-77	
D706	8-719-991-33	DIODE 1SS133T-77	
D707	8-719-991-33	DIODE 1SS133T-77	
D708	8-719-991-33	DIODE 1SS133T-77	
D709	8-719-991-33	DIODE 1SS133T-77	
< CRT SOCKET >			
J701	Δ 1-251-311-11	SOCKET, CRT	
< COIL >			
L703	1-408-617-21	INDUCTOR 150UH	
L704	1-408-617-21	INDUCTOR 150UH	
< TRANSISTOR >			
Q701	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q702	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q703	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q704	8-729-906-70	TRANSISTOR BF871-127	
Q705	8-729-906-70	TRANSISTOR BF871-127	
Q706	8-729-906-70	TRANSISTOR BF871-127	
Q707	8-729-200-17	TRANSISTOR 2SA1091-0	
Q708	8-729-200-17	TRANSISTOR 2SA1091-0	
Q709	8-729-200-17	TRANSISTOR 2SA1091-0	
< RESISTOR >			
R700	1-260-076-11	CARBON 10 5%	1/2W
R701	1-216-206-91	METAL GLAZE 2.2K 5%	1/8W
R702	1-216-206-91	METAL GLAZE 2.2K 5%	1/8W
R705	1-216-009-91	METAL GLAZE 22 5%	1/10W
R706	1-216-164-91	METAL GLAZE 39 5%	1/8W
R707	1-216-295-71	CONDUCTOR CHIP	
R708	1-216-033-00	METAL GLAZE 220 5%	1/10W
R709	1-216-182-00	METAL GLAZE 220 5%	1/8W



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R710	1-216-033-00	METAL GLAZE	220 5% 1/10W				
R711	1-216-057-71	METAL GLAZE	2.2K 5% 1/10W				
R714	1-216-049-00	METAL GLAZE	1K 5% 1/10W				
R715	1-249-417-11	CARBON	1K 5% 1/4W				
R716	1-216-198-91	METAL GLAZE	1K 5% 1/8W				
R717	1-202-824-00	SOLID	3.3K 10% 1/2W				
R718	1-202-824-00	SOLID	3.3K 10% 1/2W				
R719	1-202-824-00	SOLID	3.3K 10% 1/2W				
R720	1-215-923-00	METAL OXIDE	10K 5% 3W F				
R721	1-215-923-00	METAL OXIDE	10K 5% 3W F				
R722	1-215-923-00	METAL OXIDE	10K 5% 3W F				
R727	1-202-824-00	SOLID	3.3K 10% 1/2W				
R729	1-216-368-11	METAL OXIDE	0.82 5% 2W F				
R732	1-202-846-00	SOLID	470K 10% 1/2W				
R734	1-216-206-00	METAL GLAZE	2.2K 5% 1/8W				
R735	1-216-206-00	METAL GLAZE	2.2K 5% 1/8W				
R736	1-249-421-11	CARBON	2.2K 5% 1/4W				
R740	1-216-194-00	METAL GLAZE	680 5% 1/8W				
R741	1-216-045-00	METAL GLAZE	680 5% 1/10W				
R742	1-216-049-00	METAL GLAZE	1K 5% 1/10W				

	*A-1646-142-A	H BOARD, COMPLETE	*****				
< CAPACITOR >							
C900	1-102-114-00	CERAMIC	470PF 10% 50V				
C901	1-102-114-00	CERAMIC	470PF 10% 50V				
C906	1-535-303-00	LEAD, JUMPER (5.0MM)					
C907	1-535-303-00	LEAD, JUMPER (5.0MM)					
C910	1-130-489-00	FILM	0.033MF 5% 50V				
C911	1-130-489-00	FILM	0.033MF 5% 50V				
< CONNECTOR >							
CN906	*1-564-512-11	PLUG, CONNECTOR 9P					
< SOCKET >							
J900	1-691-293-11	JACK					
J902	1-764-073-11	TERMINAL BLOCK, S 4P					
< COIL >							
L900	1-408-409-00	INDUCTOR	10UH				
L901	1-408-409-00	INDUCTOR	10UH				
L902	1-408-409-00	INDUCTOR	10UH				
L903	1-408-409-00	INDUCTOR	10UH				
L904	1-535-143-61	LEAD JUMPER (5.0MM)					
< RESISTOR >							
R904	1-535-303-00	LEAD, JUMPER (5.0MM)					
R905	1-535-303-00	LEAD, JUMPER (5.0MM)					
R909	1-249-437-11	CARBON	47K 5% 1/4W				
R910	1-249-437-11	CARBON	47K 5% 1/4W				

	*A-1648-010-A	U BOARD, COMPLETE	*****				
< CAPACITOR >							
C1500	1-130-776-00	FILM	0.47MF 5% 63V				
C1501	1-164-004-11	CERAMIC CHIP	0.1MF 10% 25V				
C1502	1-137-133-11	FILM	0.15MF 5% 63V				
C1503	1-107-714-11	ELECT	10MF 20% 16V				
C1504	1-104-665-11	ELECT	100MF 20% 25V				
C1506	1-107-698-11	ELECT	10MF 20% 25V				
C1507	1-164-346-11	CERAMIC CHIP	1MF 16V				
C1508	1-126-967-11	ELECT	47MF 20% 16V				
C1509	1-130-471-00	FILM	0.001MF 5% 50V				
C1510	1-164-004-11	CERAMIC CHIP	0.1MF 10% 25V				
C1511	1-130-014-00	FILM	470PF 5% 50V				
C1512	1-163-038-00	CERAMIC CHIP	0.1MF 25V				
C1513	1-163-809-11	CERAMIC CHIP	0.047MF 10% 25V				
C1515	1-163-035-00	CERAMIC CHIP	0.047MF 50V				
C1516	1-163-243-11	CERAMIC CHIP	47PF 5% 50V				
C1517	1-107-725-11	CERAMIC CHIP	0.1MF 10% 16V				
C1518	1-163-133-00	CERAMIC CHIP	470PF 5% 50V				
< CONNECTOR >							
CN1500	*1-766-952-11	CONNECTOR, BOARD TO BOARD 11P					
< IC >							
IC1500	8-759-045-38	IC MC14538BCP					
IC1501	8-759-045-38	IC MC14538BCP					
< COIL >							
L1500	1-410-200-31	INDUCTOR CHIP	4.7UH				
< TRANSISTOR >							
Q1500	8-729-620-06	TRANSISTOR 2SC3052-EF					
Q1501	8-729-620-06	TRANSISTOR 2SC3052-EF					
Q1502	8-729-620-06	TRANSISTOR 2SC3052-EF					
Q1503	8-729-029-66	TRANSISTOR DTC114ESA					
Q1504	8-729-900-53	TRANSISTOR DTC114EK					
Q1505	8-729-900-53	TRANSISTOR DTC114EK					
< RESISTOR >							
R1500	1-249-416-11	CARBON	820 5% 1/4W				
R1501	1-249-419-11	CARBON	1.5K 5% 1/4W				
R1502	1-216-049-00	METAL GLAZE	1K 5% 1/10W				
R1503	1-216-093-00	METAL GLAZE	68K 5% 1/10W				
R1504	1-216-091-00	METAL GLAZE	56K 5% 1/10W				
R1505	1-216-077-00	METAL GLAZE	15K 5% 1/10W				
R1506	1-216-091-00	METAL GLAZE	56K 5% 1/10W				
R1507	1-216-089-00	METAL GLAZE	47K 5% 1/10W				
R1508	1-216-081-00	METAL GLAZE	22K 5% 1/10W				
R1509	1-216-109-00	METAL GLAZE	330K 5% 1/10W				
R1510	1-216-089-00	METAL GLAZE	47K 5% 1/10W				
R1511	1-216-081-00	METAL GLAZE	22K 5% 1/10W				
R1512	1-216-049-00	METAL GLAZE	1K 5% 1/10W				
R1513	1-216-083-00	METAL GLAZE	27K 5% 1/10W				
R1514	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W				
R1515	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W				
R1516	1-216-049-00	METAL GLAZE	1K 5% 1/10W				



The components identified by shading and marked Δ are critical for safety. Replace only with the part number specified.

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

REF.NO.	PART NO.	DESCRIPTION	REMARK
R1517	1-216-079-00	METAL GLAZE 18K 5%	1/10W
R1518	1-216-071-00	METAL GLAZE 8.2K 5%	1/10W
R1519	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
R1520	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R1521	1-216-117-00	METAL GLAZE 680K 5%	1/10W
R1523	1-216-256-00	METAL GLAZE 270K 5%	1/8W
< VARIABLE RESISTOR >			
RV1500	1-241-786-11	RES, ADJ, CARBON 22K	

*A-1649-021-A	K BOARD, COMPLETE		

7-682-548-04	SCREW +P 3X8		
< CAPACITOR >			
C280	1-126-163-11	ELECT 4.7MF 20%	50V
C281	1-126-163-11	ELECT 4.7MF 20%	50V
C282	1-130-785-11	MYLAR 0.47MF 10%	100V
C283	1-126-163-11	ELECT 4.7MF 20%	50V
C284	1-126-942-61	ELECT 1000MF 20%	25V
C285	1-126-942-61	ELECT 1000MF 20%	25V
C286	1-136-153-00	FILM 0.01MF 5%	50V
C287	1-136-173-00	FILM 0.47MF 5%	50V
C288	1-102-074-00	CERAMIC 0.001MF 10%	50V
C289	1-102-074-00	CERAMIC 0.001MF 10%	50V
< CONNECTOR >			
CN223	*1-568-878-51	PIN, CONNECTOR 3P	
CN225	*1-568-882-51	PIN, CONNECTOR 7P	
< DIODE >			
D201	8-719-110-14	DIODE RD9.1ES-B3	
D202	8-719-109-97	DIODE RD6.8ES-B2	
< IC >			
IC271	8-759-988-94	IC TDA2050	
< TRANSISTOR >			
Q205	8-729-119-78	TRANSISTOR 2SC2785-HFE	
< RESISTOR >			
R216	1-249-441-11	CARBON 100K 5%	1/4W
R217	1-247-885-00	CARBON 180K 5%	1/4W
R280	1-249-429-11	CARBON 10K 5%	1/4W
R281	1-249-429-11	CARBON 10K 5%	1/4W
R282	1-249-436-11	CARBON 39K 5%	1/4W
R283	1-249-435-11	CARBON 33K 5%	1/4W
R284	1-249-435-11	CARBON 33K 5%	1/4W
R285	1-249-417-11	CARBON 1K 5%	1/4W
R288	1-216-353-00	METAL OXIDE 2.2 5%	1W F
R289	1-249-429-11	CARBON 10K 5%	1/4W
R290	1-247-897-11	CARBON 560K 5%	1/4W
R291	1-249-425-11	CARBON 4.7K 5%	1/4W

REF.NO.	PART NO.	DESCRIPTION	REMARK
MISCELLANEOUS *****			
Δ	1-416-425-11	COIL, DEGAUSSING	
	1-452-032-00	MAGNET, DISC; 10MM \emptyset	
	1-452-094-00	MAGNET, ROTABLE DISK; 15MM \emptyset	
Δ	1-452-787-11	NECK ASSY (NA222)	
Δ	1-453-254-11	TRANSFORMER ASSY, FLYBACK	(NX-4004/M3A4)
	1-505-800-11	SPEAKER (5X9CM)	
Δ	1-540-007-12	CAP ASSY, HIGH-VOLTAGE	
Δ	1-571-433-21	SWITCH, PUSH (AC POWER)	
Δ	1-765-286-11	CORD, POWER	2.5A/250V
			(KV-20WS1A/20WS1B/20WS1D/20WS1E/20WS1K/20WS1R)
Δ	1-776-860-11	POWER CORD, FILTER	2.5A/250V
			(KV-20WS1U)
	1-693-338-11	TUNER (TUVIF) (AEP)	
			(KV-20WS1A/20WS1D/20WS1E/20WS1K/20WS1R)
	1-693-340-11	TUNER (TUVIF) (FR) (KV-20WS1B)	
	1-693-339-11	TUNER (TUVIF) (UK) (KV-20WS1U)	
Δ	8-737-804-05	PICTURE TUBE (SD-281) (W46LEZ070X)	
Δ	8-451-457-11	DEFLECTION YOKE (Y20GLAK)	
	1-505-426-11	SPEAKER (10.6CM)	
	1-782-757-11	CABLE, SPEAKER (WITH GROMMET)	

ACCESSORIES AND PACKING MATERIALS *****			
	*4-039-905-02	BAG, PROTECTION	
	*4-203-715-01	INDIVIDUAL CARTON	
	*4-203-716-01	CUSHION (UPPER) (ASSY)	
	*4-203-719-01	CUSHION (LOWER) (ASSY)	
	4-203-822-41	MANUAL, INSTRUCTION (KV-20WS1A)	(ITALIAN)
	4-203-822-51	MANUAL, INSTRUCTION (KV-20WS1B)	(FRENCH/GERMAN/ITALIAN/DUTCH)
	4-203-822-11	MANUAL, INSTRUCTION (KV-20WS1D)	(GERMAN/GREEK/DUTCH/ENGLISH/TURKISH)
	4-203-579-71	MANUAL, INSTRUCTION (KV-20WS1E)	(SPANISH/PORTUGUESE/DANISH/SWEDISH/FINNISH/NORWEGIAN/HUNGARIAN)
	4-203-579-61	MANUAL, INSTRUCTION (KV-20WS1U)	(ENGLISH)
	4-203-822-91	MANUAL, INSTRUCTION (KV-20WS1K/20WS1R)	(CZECH/ENGLISH/POLISH/RUSSIAN/BULGARIAN)
REMOTE COMMANDER *****			
	1-473-194-11	COMMANDER, STANDARD TYPE (RM-836)	
