

SERVICE MANUAL

COLOR TELEVISION









- The Correction Service Manual is issued because of some errors in Service Manual of MODEL NAME TV-C1300 (UA), (S/M Code No. 09-99B-417-3R1).

ELECTRICAL MAIN PARTS LIST

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
IC			
	8Z-JB1-621-010	IC,M37272M8-164SP	
	87-A90-297-010	RCR UNIT,SBX1981-52	
	87-A21-392-010	IC,S-93C66ADP-1A	
	87-A20-611-080	IC,M51943BSL-700A	
	87-A20-362-010	IC,LA7676D	
	87-A20-364-010	IC,KIA7809PI	
	87-A20-734-010	IC,TDA2007A	
	87-002-577-010	IC,LA7953	
	87-001-647-080	IC,NJM78L12A	
	87-002-524-010	IC,LA7837	
	87-017-956-010	IC,BA7611AN	
	87-A20-980-010	IC,STR-86707N	
	87-020-881-080	IC,NJM78L05A	
TRANSISTOR			
	87-A30-091-080	FET,2SJ460	
	89-111-755-080	TR,2SA1175F	
	89-327-854-080	TR,2SC2785F	
	89-337-794-580	TR,2SC3779D/E	
	87-A30-090-080	FET,2SK2541	
	87-A30-095-010	TR,2SD2333	
	89-334-674-580	TR,2SC3467D/E	
	87-A30-041-110	TR,SE115N	
	87-A30-005-010	TR,2SC2688M/L	
DIODE			
	87-070-345-080	DIODE,IN4148	
	87-070-150-080	ZENER,MTZJ33D	
	87-070-274-080	DIODE,1N4003 SEM	
	87-A40-286-080	DIODE,RGP10JE-5025	
	87-A40-690-080	ZENER,MTZJ11B	
	87-A40-004-080	ZENER,MTZJ16A	
	87-A40-328-010	DIODE,GBU4JL	
	87-A40-286-050	DIODE,RGP10JE-5025	
	87-A40-450-090	DIODE,RU1P	
	87-A40-354-090	DIODE,UF3GL-6251	
	87-A40-440-080	ZENER,MTZJ7.5A	
MAIN C.B			
BT301	87-JBG-625-010	CONN ASSY,5P V WHT TV-NK	
BT401	8Z-JBJ-606-010	CONN ASSY,2P V W SPMONO	
BT403	87-JBC-624-010	CONN ASSY,9P V JK	
C1	87-016-624-080	CAP,E 10-16 SSL	
C2	87-018-119-080	CAP,CER 100P-50V	
C3	87-018-134-080	CAPACITOR,TC-U 0.01-16	
C4	87-016-633-080	CAP,E 1-50 SSL	
C5	87-016-583-080	CAP,E 100-25 SSL	
C6	87-018-134-080	CAPACITOR,TC-U 0.01-16	
C9	87-018-128-080	CAP,CERA-SOL SS 560P	
C10	87-018-131-080	CAP,CER 1000P-50V	
C11	87-016-633-080	CAP,E 1-50 SSL	
C12	87-018-209-080	CAP,CER 0.1-50V	
C13	87-018-109-080	CAP,CER 22P-50V	
C14	87-018-109-080	CAP,CER 22P-50V	
C15	87-018-109-080	CAP,CER 22P-50V	
C16	87-018-109-080	CAP,CER 22P-50V	
C17	87-018-109-080	CAP,CER 22P-50V	
C18	87-018-109-080	CAP,CER 22P-50V	
C19	87-018-131-080	CAP,CER 1000P-50V	
C21	87-016-637-080	CAP,E 10-50 SSL	
C22	87-016-633-080	CAP,E 1-50 SSL	
C23	87-016-637-080	CAP,E 10-50 SSL	
C25	87-016-633-080	CAP,E 1-50 SSL	
C26	87-018-209-080	CAP,CER 0.1-50V	
C29	87-018-123-080	CAP,CER 220P-50V	

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C101	87-016-636-080		CAP,E 4.7-50 SSL
C102	87-018-134-080		CAPACITOR,TC-U 0.01-16
C103	87-016-575-080		CAP,E 220-16 SSL
C105	87-016-637-080		CAP,E 10-50 SSL
C106	87-018-134-080		CAPACITOR,TC-U 0.01-16
C107	87-A10-207-080		CAP,TCS 0.01-50 KB UP050
C203	87-018-134-080		CAPACITOR,TC-U 0.01-16
C204	87-018-134-080		CAPACITOR,TC-U 0.01-16
C205	87-018-134-080		CAPACITOR,TC-U 0.01-16
C207	87-016-632-080		CAP,E 0.47-50 SSL
C208	87-018-131-080		CAP,CER 1000P-50V
C210	87-018-134-080		CAPACITOR,TC-U 0.01-16
C211	87-A10-585-080		CAP,CER 18P-50 J CH
C214	87-018-134-080		CAPACITOR,TC-U 0.01-16
C215	87-016-637-080		CAP,E 10-50 SSL
C216	87-018-134-080		CAPACITOR,TC-U 0.01-16
C218	87-016-583-080		CAP,E 100-25 SSL
C219	87-018-134-080		CAPACITOR,TC-U 0.01-16
C301	87-016-583-080		CAP,E 100-25 SSL
C302	87-016-632-080		CAP,E 0.47-50 SSL
C303	87-018-134-080		CAPACITOR,TC-U 0.01-16
C305	87-016-583-080		CAP,E 100-25 SSL
C306	87-018-134-080		CAPACITOR,TC-U 0.01-16
C309	87-016-634-080		CAP,E 2.2-50 SSL
C312	87-016-637-080		CAP,E 10-50 SSL
C314	87-018-125-080		CAP,CER 330P-50V
C315	87-016-632-080		CAP,E 0.47-50 SSL
C316	87-016-633-080		CAP,E 1-50 SSL
C319	87-018-130-080		CAP,TC-U 820P-50 B
C320	87-016-627-080		CAP,E 47-16 SSL
C321	87-016-634-080		CAP,E 2.2-50 SSL
C322	87-016-633-080		CAP,E 1-50 SSL
C323	87-016-636-080		CAP,E 4.7-50 SSL
C325	87-018-134-080		CAPACITOR,TC-U 0.01-16
C326	87-018-113-080		CAP,CER 33P-50V
C327	87-016-633-080		CAP,E 1-50 SSL
C328	87-018-115-080		CAP,CER 47P-50V
C329	87-016-637-080		CAP,E 10-50 SSL
C330	87-018-194-080		CAP,TC-U 91P-50 B
C332	87-018-134-080		CAPACITOR,TC-U 0.01-16
C333	87-018-118-080		CAP,TC-U 82P-50 B
C334	87-018-134-080		CAPACITOR,TC-U 0.01-16
C336	87-018-134-080		CAPACITOR,TC-U 0.01-16
C337	87-018-134-080		CAPACITOR,TC-U 0.01-16
C401	87-016-586-080		CAP,E 470-25 SSL
C403	87-016-586-080		CAP,E 470-25 SSL
C405	87-A10-776-080		CAP,E 1000-25 M 105 KMG
C406	87-016-621-080		CAP,E 220-10 SSL
C407	87-016-621-080		CAP,E 220-10 SSL
C408	87-016-627-080		CAP,E 47-16 SSL
C412	87-016-633-080		CAP,E 1-50 SSL
C414	87-016-637-080		CAP,E 10-50 SSL
C418	87-016-583-080		CAP,E 100-25 SSL
C422	87-016-636-080		CAP,E 4.7-50 SSL
C423	87-A10-831-080		CAP,E 1000-25 M SMG
C424	87-016-632-080		CAP,E 0.47-50 SSL
C425	87-016-632-080		CAP,E 0.47-50 SSL
C426	87-016-637-080		CAP,E 10-50 SSL
C427	87-016-586-080		CAP,E 470-25 SSL
C501	87-016-583-080		CAP,E 100-25 SSL
C504	87-016-591-080		CAP,E 100-35 SSL
C505	87-016-149-080		CAP,E 100-50 M 105 KME
C506	87-A10-367-080		CAP,CER 10P-500 J SL
C507	87-A10-402-080		CAP,M 0.22-100 J TF TYPE1
C508	87-016-634-080		CAP,E 2.2-50 SSL
C509	87-016-135-010		CAP,E 1000-25 M 105 KME
C511	87-018-123-080		CAP,CER 220P-50V
C601	87-016-596-080		CAP,E 10-160 SSL
C602	87-016-635-080		CAP,E 3.3-50 SSL
C603	87-A10-457-080		CAP,E 2.2-160 M SSL

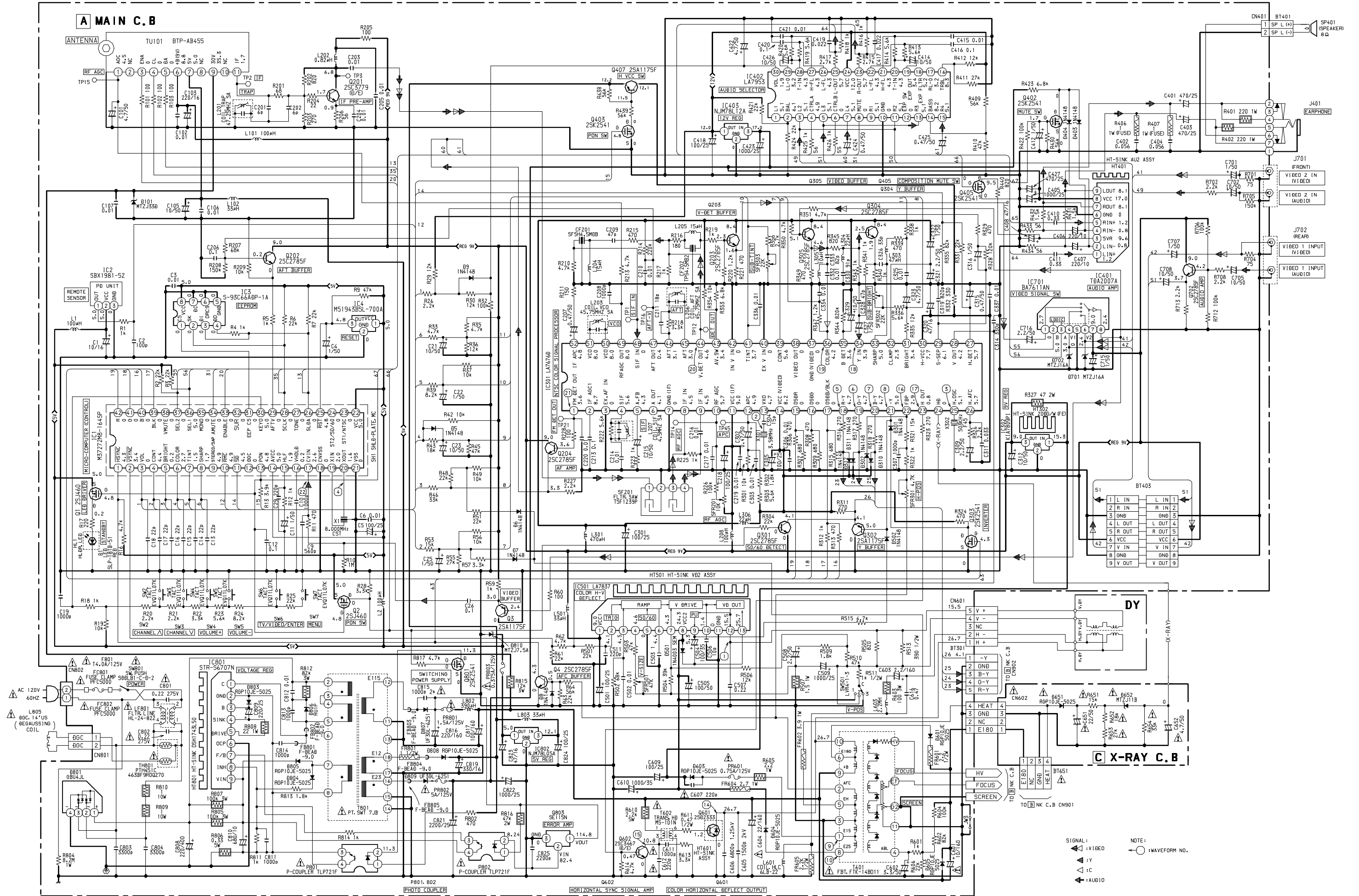
REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
△ C604	87-016-597-080		CAP,E 22-160 SSL	L301	87-003-051-080		COIL,470UH
C605	87-012-399-080		CAP,CER 1500P-2KBN	L303	87-003-149-080		COIL,47UH
C606	87-A11-048-090		CAP,M/P 6800P-1.25K H PHS	L304	87-003-147-080		COIL,22UH
△ C607	87-010-974-080		CAP,CER 220P-500 B	L305	87-003-295-080		COIL,10UH
C609	87-016-583-080		CAP,E 100-25 SSL	L306	87-003-147-080		COIL,22UH
C610	87-016-594-090		CAP,E 1000-35 M SSL	L501	87-005-608-080		COIL,33UH J LAV35
△ C611	87-010-976-080		CAP,CER 1000P-500 B	L601	86-LBN-623-010		COIL,HLC 6LB-22
△ C612	87-010-974-080		CAP,CER 220P-500 B	L603	87-A50-040-010		COIL,2.2MH
C616	87-A10-674-090		CAP,M/P 0.47-250 J	L802	87-A50-170-010		COIL,390UH RCH106
C701	87-016-633-080		CAP,E 1-50 SSL	L803	87-005-608-080		COIL,33UH J LAV35
C702	87-016-637-080		CAP,E 10-50 SSL	△ LF801	84-LB3-670-010		FLTR,LINE HL-24-822
C705	87-016-637-080		CAP,E 10-50 SSL	△ P801	87-A30-096-010		P-COUPLER,TLP721F
C707	87-016-633-080		CAP,E 1-50 SSL	△ P802	87-A30-096-010		P-COUPLER,TLP721F
C708	87-016-637-080		CAP,E 10-50 SSL	△ PR601	87-035-495-080		FUSE,0.75A 125V F 251
C715	87-016-633-080		CAP,E 1-50 SSL	△ PR801	87-A90-409-080		FUSE,1.5A 125V A 251
C716	87-016-634-080		CAP,E 2.2-50 SSL	△ PR802	87-026-690-080		FUSE,5A 125V 251
△ C801	87-A10-688-090		CAP,M/P 0.22-275 K(B81133)	△ PR803	87-A91-526-080		FUSE,0.375A 125V F251
△ C802	87-A10-688-090		CAP,M/P 0.22-275 K(B81133)	R327	87-A00-161-090		RES,M/F 47-2W J RSF(S)
C808	87-A11-941-090		CAP,E 220-400 KMH(25.4*40)	R401	87-A00-150-090		RES,M/F 220-1W J RSF(S)
C809	87-016-584-080		CAP,E 220-25 SSL	R402	87-A00-150-090		RES,M/F 220-1W J RSF(S)
C810	87-A10-728-080		CAP,E 680-10 M LXV	R406	87-029-158-060		RES,FUSE 1-1W J
C811	87-018-131-080		CAP,CER 1000P-50V	R407	87-029-158-060		RES,FUSE 1-1W J
C812	87-A10-645-010		CAP,M/P 0.01-1K J MMH	R503	87-025-429-080		RES,M/F 47K-1/6W F
C813	87-012-372-010		CAP,CER 1000P-2K	R507	87-A00-214-090		RES,M/F 1.5-1W J RSF(S)
C814	87-A11-324-090		CAP,M/P 1000P-1.6K H ECWH(VB)	R603	87-A00-247-090		RES,M/F 100-3W J RSF
△ C815	87-012-397-010		CAP,CER 1000P-2K BN	R605	87-A00-300-090		RES,M/F 2.2-1W J RSF(F)
C816	87-A10-731-090		CAP,E 220-160 M KMF	R610	87-A00-225-090		RES,M/F 2.2K-5W J RSV5
C817	87-A10-756-090		CAP,E 100-160 M KMF	R611	87-A00-196-090		RES,M/F 0.47-1/2W J RSF(S)
C819	87-016-576-080		CAP,E 330-16 SSL	R804	87-A00-224-090		RES,SD 8.2M-1W J CE
C821	87-016-588-090		CAP,E 2200-25 SSL	R805	87-A00-333-090		RES,M/F 100K-3W J RSS
C822	87-016-587-090		CAP,E 1000-25 M SSL	R806	87-A00-287-090		RES,CEM 0.33-5W K RGC5
C823	87-016-627-080		CAP,E 47-16 SSL	R807	87-A00-333-090		RES,M/F 100K-3W J RSS
C824	87-016-583-080		CAP,E 100-25 SSL	R808	87-A00-243-090		RES,M/F 22-1W J RSF(S)
C825	87-A10-469-080		CAP,CER 2200P-500 K B DD10	R809	87-A00-332-090		RES,CEM 1-10W J RGC
CF201	84-LB3-627-010		FLTR,SFSH 4.5MdB SIF	R810	87-A00-332-090		RES,CEM 1-10W J RGC
CF202	84-LB3-626-010		FLTR,TPS4.5MB2	R812	87-A00-170-090		RES,M/F 82K-3W J RSF(S)
CN401	87-099-043-010		CONN,2P EH	R815	87-A00-199-090		RES,M/F 12K-3W J RSF(S)
CN601	87-099-675-010		CONN,5P V V	R816	87-A00-223-090		RES,M/F 47K-2W J RSF(S)
CN801	87-099-454-010		CONN,2P TV-50 EYLET	SF201	87-A90-694-010		FLTR,SAW TSF1239P
△ CN802	87-099-674-010		CONN,2P VA V	SFR201	87-024-433-080		SFR,10K H RH063MC
D1	87-070-110-010		LED,SLP-181B-51 RED	SFR301	87-024-432-080		SFR,4.7K H RH063MC
△ F801	87-035-489-010		FUSE,4A 125V T237	SFR302	87-024-434-080		SFR,22K H RH063MC
FB801	87-003-320-080		F-BEAD,-9.0 FBR07HA121NB-00	SFR303	87-024-434-080		SFR,22K H RH063MC
FB802	87-003-320-080		F-BEAD,-9.0 FBR07HA121NB-00	SFR501	87-024-587-080		SFR,47K DIA6 EVM
FB803	87-003-320-080		F-BEAD,-9.0 FBR07HA121NB-00	SW2	87-A90-712-080		SW,TACT EVQ11L07K
FB804	87-003-320-080		F-BEAD,-9.0 FBR07HA121NB-00	SW3	87-A90-712-080		SW,TACT EVQ11L07K
FB805	87-003-320-080		F-BEAD,-9.0 FBR07HA121NB-00	SW4	87-A90-712-080		SW,TACT EVQ11L07K
△ FC801	87-033-213-080		FUSE CLAMP,PFC5000	SW5	87-A90-712-080		SW,TACT EVQ11L07K
△ FC802	87-033-213-080		FUSE CLAMP,PFC5000	SW6	87-A90-712-080		SW,TACT EVQ11L07K
FR601	87-A00-063-060		RES,FUSE 2.2-1/2W J R-TYPE	SW7	87-A90-712-080		SW,TACT EVQ11L07K
FR602	87-A00-052-060		RES,FUSE 3.9-1W J R-TYPE	△ SW501	87-A90-567-010		SW,LVR 4-1-3 EVQRAAL10
FR604	87-A00-051-060		RES,FUSE 2.7-1W J R-TYPE	△ T601	87-A90-364-010		SW,PUSH SDDLBI-C-D-2
FR605	87-A00-049-060		RES,FUSE 2.2K-1/2WJ R-TYPE	△ T602	84-LB3-607-010		FBT,FTK-14B011
FR801	87-A00-081-090		RES,FUSE 1-1/2W	△ T801	84-LB3-651-010		TRANS,HD MS-101N
HL1	84-LB3-216-010		HLDR,LED		87-JBC-627-110		PT,SWT 7JB
J401	87-A60-420-010		JACK,3.5 ST(MSC)	△ TH801	87-A90-830-010		POS-THMS,PTH451C463BF9R0Q270
J701	87-A60-321-010		JACK,PIN 2P BLK-Y	TU101	87-A90-660-010		TU UNIT,BTP-AB455
J702	8Z-JBJ-604-010		JACK,PIN 2P Y YKC-7181	X1	87-030-212-080		VIB,CER 8.00MHZ CST
L1	87-005-614-080		COIL,100UH LAV35 J	X301	87-A70-007-080		VIB,XTAL 3.58MHZ AQC-1001
L2	87-005-614-080		COIL,100UH LAV35 J	X302	87-A70-017-010		VIB,CER 503KHZ F45
L101	87-005-614-080		COIL,100UH LAV35 J				
L102	87-005-608-080		COIL,33UH J LAV35	NK C.B			
L201	84-LB2-684-010		COIL,TRAP 47.25MHZ SA				
L202	87-003-140-080		COIL,0.82UH K LAL02	C901	87-018-128-080		CAP,CERA-SOL SS 560P
L203	84-LB2-681-010		COIL,VCO 45.75MHZ SA	C902	87-018-128-080		CAP,CERA-SOL SS 560P
L204	87-005-604-080		COIL,15UH J LAV35	C903	87-018-128-080		CAP,CERA-SOL SS 560P
L205	87-003-146-080		COIL,15UH LAL02	△ C905	87-012-397-010		CAP,CER 1000P-2K BN
L206	84-LB2-682-010		COIL,AFT 45.75MHZ SA	CN901	87-049-469-010		CONN,4P V
L207	84-LB2-683-010		COIL,SIF 4.5MHZ SA				
L208	87-005-485-080		COIL,100UH J FLR50	CN902	87-009-033-010		CONN,5P
				CN903	87-A60-485-010		CONN,2P V LV GRA

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
L901	87-005-615-080		COIL,120UH J LAV35	X-RAY C.B			
R904	87-A00-165-090		RES,M/F 15K-2W J RSF(S)	 BT651	87-JBG-626-010		CONN ASSY,4P V WHT TV-NK
R905	87-A00-165-090		RES,M/F 15K-2W J RSF(S)	 C651	87-016-638-080		CAP,E 22-50 SSL
R906	87-A00-165-090		RES,M/F 15K-2W J RSF(S)	 C652	87-016-636-080		CAP,E 4.7-50 SSL
R907	87-025-355-080		RES,M/F 100-1/6W F	 CN602	8Z-JB1-610-010		CONN,4P TXX B TO B
S901	84-LB3-610-010		SOCKET,CRT HPS1171	 R651	87-025-380-080		RES,M/F 15K-1/6W F
SFR901	87-024-519-080		SFR,470 DIA6 V NTP	 R652	87-025-381-080		RES,M/F 18K-1/6W F
SFR902	87-024-519-080		SFR,470 DIA6 V NTP	 R653	88-121-273-080		RES,27K-1/8W J
SFR903	87-024-521-080		SFR,2.2K DIA6 V NTP	 R654	88-121-333-080		RES,33K-1/8WJ
SFR904	87-024-521-080		SFR,2.2K DIA6 V NTP				
SFR905	87-024-521-080		SFR,2.2K DIA6 V NTP				

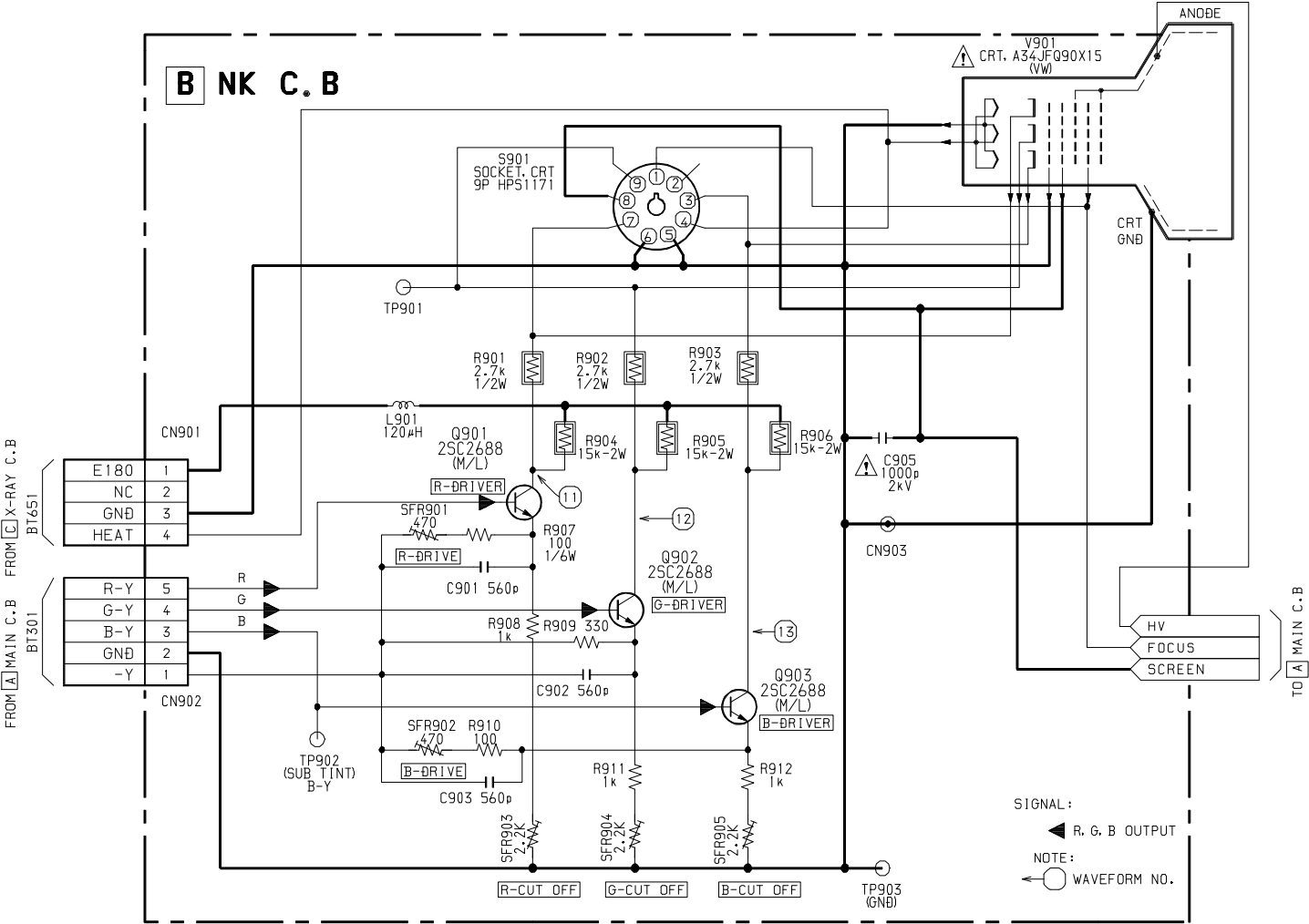
Safety Components Symbol

This symbol is given to important parts which serve to maintain the safety of the product, and which are made to confirm to special Safety Specifications.
Therefore, when replacing a component with this symbol make absolutely sure that you use a designated part.

SCHEMATIC DIAGRAM – 1 (MAIN / X-RAY)



SCHEMATIC DIAGRAM – 2 (NK)



アイワ株式会社 〒110-8710 東京都台東区池之端1-2-11 ☎03(3827)3111 (代表)
AIWA CO.,LTD. 2-11, IKENOHATA 1-CHOME, TAITO-KU, TOKYO 110, JAPAN TEL:03 (3827) 3111