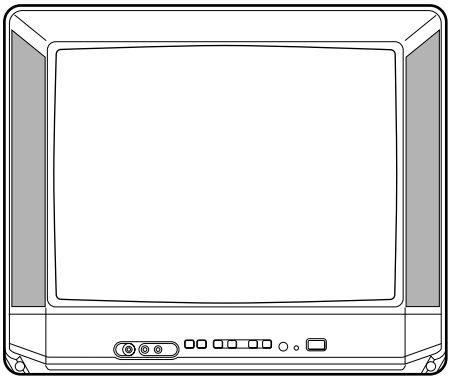
aiwa SERVICE

TV-C143 KE, KER
TV-C148 SHR
TV-C208 SHR



SERVICE MANUAL

COLOR TELEVISION

MODEL	TYPE
TV-C143	KEJL6C1M, KERJL4L
TV-C148	SHRJL1L, SHRJ4L, SHRJL6L
TV-C208	SHRJ4L

- This Service Manual is the "Revision Publishing" and replaces "Simple Manual" TV-C143(KE,KER) / TV-C148(SHR) / TV-C208(SHR), (S/M Code No. 09-003-419-0T4).
- This Service Manual does not include “NOTICES BEFORE REPAIRING”, “DISASSEMBLY INSTRUCTIONS” and “ADJUSTMENT”. These items will be issued in the next Supplement.

aiwa

S/M Code No. 09-003-419-0R2

REVISION DATA

SPECIFICATIONS

Tuner System	Frequency synthesized tuner
TV System	TV-C143/203: PAL(B/G,D/K), SECAM(B/G,D/K,K1) TV-C148/208: PAL(B/G,H,I,D/K), NTSC(M), SECAM(B/G,I,D/K,K1)
Video input color system	PAL, SECAM, $NTSC_{3.58,}$ $NTSC_{4.43}$
Channel Coverage	VHF: E2 to E12, R1 TO R12 UHF: 21 to 69 CATV: S1 TO S41
Program Memory	100
Antenna Input	75 ohms, unbalanced
Picture Tube	TV-C203/208: 20" TV-C143/148: 14"
Screen Size	TV-C203/208: 404.4(W) X 303.3(H) mm (16 X 12 in.) 480 mm (diagonal) (19 in.) TV-C143/148: 280.8(W) X 210.6(H) mm ($11^1/_8$ X $8^3/_8$ in.) 335.4MM (diagonal) ($13^1/_4$ in.)
Video Input/Output	1 Vp-p 75 ohms
Audio Input	0.5 Vrms., 33 kohms
Audio Output	0.5 Vrms., less than 2.2 k ohms
Speakers	77 mm (3 in.) round
Operatiing Voltage	110 V - 240 V AC, 50/60 Hz
Power Consumption	TV-C203/208: 85 W TV-C143/148: 80 W
Earphone Jack	Monaural-mini jack
Operating Temperature	5 °C – 40 ° C
Operating Humidity	35 % – 80 %
Dimensions	TV-C203/208: 510 (W) X 425 (H) X 483.5 (D) mm ($20^1/_8$ x $16^3/_4$ x $19^1/_8$ in.) TV-C143/148: 364 (W) X 315 (H) X 365.5 (D) mm ($14^3/_8$ x $12^1/_2$ x $14^1/_2$ in.)
Weight	TV-C203/208: 18.2 kg (40 lbs.) TV-C143/148: 9.2 kg (20.2 lbs.)

• Design and specifications are subject to change without notice.

ACCESSORIES / PACKAGE LIST

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	8Z-JB6-901-110		IB,KER (ERAP)-M<KERJ4L>
1	8Z-JB8-901-010		IB,KE (T) C143-T<KEJL6C1M>
1	8Z-JB6-903-010		IB,SH (ECAP) - M<SHR>
2	8Z-JB6-951-010		RC UNIT, RC-ZVT15
3	86-LB3-610-010		ANT ASSY,TV 5 SEC(PAL)

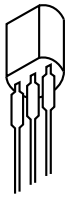
ELECTRICAL MAIN PARTS LIST

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
IC			
	8Z-JB6-601-010		IC,TMP87CP38N-1B47
	87-A20-611-080		IC,M51943BSL-700A
	87-A90-111-010		RCR UNIT,GP1U281Y
	87-A21-433-010		IC,KS24C041I
	87-A21-165-010		IC,TB1240AN
	87-A21-166-010		IC,TA1275AZ
	87-A20-527-010		IC,KIA7805PI
	87-A21-285-010		IC,TDA7056B
	87-070-237-010		IC,LA7832
	87-A20-517-010		IC,STR-S6707
	87-A20-364-010		IC,KIA7809PI
	87-020-881-080		IC,NJM78L05A
	87-017-804-010		IC,BU4052BC
TRANSISTOR			
	87-026-610-080		TR,KTC3198GR
	87-A30-090-080		FET,2SK2541
	87-026-609-080		TR,KTA1266GR
	89-334-674-580		TR,2SC3467 D/E
	87-A30-323-010		TR,2SD2599<143,148>
	87-A30-041-110		TR,SE115N
	89-332-712-010		TR,2SC3271F<208>
	87-A30-322-010		TR,2SD2586<208>
DIODE			
	87-017-963-080		DIODE,TVR5G
	87-A40-291-080		DIODE,1N4148 (CPT)
	87-070-150-080		ZENER,MTZJ33D
	87-A40-438-080		ZENER,MTZJ4.7A
	87-A40-235-080		ZENER,MTZJ9.1C
	87-A40-234-080		ZENER,MTZJ5.6A
	87-017-978-080		DIODE,1N4003
	87-A40-328-010		DIODE,GBU4JL
	87-A40-286-080		DIODE,RGP10JE-5025
	87-A40-450-090		DIODE,RU 1P
	87-A40-465-090		DIODE,FR202
	87-070-111-060		DIODE,RU30A
	87-A40-345-080		ZENER,MTZJ10C
	87-A40-800-080		DIODE,FR104-F
MAIN C.B			
BPF201	87-A90-337-010		FLTR,SAW OFW-K2959M<143>
BPF201	87-A90-670-010		FLTR,SAW OFW-K6265K<148,208>
C1	87-018-119-080		CAP, CER 100P-50V
C2	87-010-260-080		CAP, ELECT 47-25V
C3	87-010-401-080		CAP, ELECT 1-50V
C6	87-018-104-080		CAP,TC-U 10P-50 SL
C7	87-018-104-080		CAP,TC-U 10P-50 SL
C8	87-010-405-080		CAP,E 10-50 M 11L SME
C9	87-A11-148-080		CAP,TC U 0.1-50 Z F
C10	87-018-119-080		CAP, CER 100P-50V
C11	87-018-123-080		CAP, CER 220P-50V
C12	87-010-263-080		CAP, ELECT 100-10V
C13	87-018-134-080		CAPACITOR,TC-U 0.01-16
C15	87-010-401-080		CAP, ELECT 1-50V
C16	87-010-260-080		CAP, ELECT 47-25V
C18	87-018-119-080		CAP, CER 100P-50V
C19	87-018-119-080		CAP, CER 100P-50V
C20	87-010-400-080		CAP, ELECT 0.47-50V
C21	87-018-119-080		CAP, CER 100P-50V
C22	87-018-119-080		CAP, CER 100P-50V
C23	87-018-119-080		CAP, CER 100P-50V
C24	87-018-121-080		CAP, CER 150P-50V
C25	87-018-121-080		CAP, CER 150P-50V
C26	87-018-121-080		CAP, CER 150P-50V
C27	87-018-121-080		CAP, CER 150P-50V
C29	87-010-403-080		CAP, ELECT 3.3-50V
C30	87-010-403-080		CAP, ELECT 3.3-50V
C32	87-018-115-080		CAP, CER 47P-50V
C33	87-018-115-080		CAP, CER 47P-50V
C34	87-018-119-080		CAP, CER 100P-50V
C35	87-018-119-080		CAP, CER 100P-50V
C36	87-010-263-080		CAP, ELECT 100-10V
C101	87-010-404-080		CAP, ELECT 4.7-50V
C102	87-018-134-080		CAPACITOR,TC-U 0.01-16
C103	87-018-134-080		CAPACITOR,TC-U 0.01-16
C104	87-010-384-080		CAP, ELECT 100-25V
C105	87-010-263-080		CAP, ELECT 100-10V
C110	87-018-134-080		CAPACITOR,TC-U 0.01-16
C201	87-018-131-080		CAP, CER 1000P-50V
C204	87-010-401-080		CAP, ELECT 1-50V
C205	87-018-119-080		CAP, CER 100P-50V
C206	87-A10-307-080		CAP,M 0.1-50 J
C211	87-010-384-080		CAP, ELECT 100-25V
C212	87-018-134-080		CAPACITOR,TC-U 0.01-16
C213	87-018-134-080		CAPACITOR,TC-U 0.01-16
C214	87-018-134-080		CAPACITOR,TC-U 0.01-16
C215	87-010-405-080		CAP, ELECT 10-50V
C216	87-A10-295-080		CAP,M 0.01-50 J
C217	87-010-401-080		CAP, ELECT 1-50V
C219	87-010-400-080		CAP, ELECT 0.47-50V
C221	87-018-134-080		CAPACITOR,TC-U 0.01-16
C222	87-010-260-080		CAP, ELECT 47-25 M 11L SME
C301	87-010-400-080		CAP, ELECT 0.47-50V
C302	87-010-405-080		CAP, ELECT 10-50V
C303	87-018-134-080		CAPACITOR,TC-U 0.01-16
C304	87-010-263-080		CAP, ELECT 100-10V
C305	87-010-405-080		CAP, ELECT 10-50V
C306	87-010-544-080		CAP, ELECT 0.1-50V
C308	87-010-400-080		CAP, ELECT 0.47-50V
C309	87-010-401-080		CAP, ELECT 1-50V
C310	87-A10-307-080		CAP,M 0.1-50 J
C311	87-A10-307-080		CAP,M 0.1-50 J
C312	87-018-134-080		CAPACITOR,TC-U 0.01-16
C313	87-010-382-080		CAP, ELECT 22-25V
C314	87-018-134-080		CAPACITOR,TC-U 0.01-16
C315	87-010-263-080		CAP, ELECT 100-10V
C316	87-010-404-080		CAP, ELECT 4.7-50V
C317	87-010-401-080		CAP, ELECT 1-50V
C318	87-018-134-080		CAPACITOR,TC-U 0.01-16
C319	87-010-263-080		CAP, ELECT 100-10V
C320	87-018-134-080		CAPACITOR,TC-U 0.01-16
C321	87-010-384-080		CAP, ELECT 100-25V
C322	87-018-115-080		CAP, CER 47P-50V
C323	87-010-405-080		CAP, ELECT 10-50V
C324	87-018-115-080		CAP, CER 47P-50V
C325	87-010-235-080		CAP,E 470-16 SME
C326	87-018-134-080		CAPACITOR,TC-U 0.01-16
C327	87-A10-307-080		CAP,M 0.1-50 J
C328	87-A10-307-080		CAP,M 0.1-50 J
C329	87-A10-307-080		CAP,M 0.1-50 J
C330	87-018-106-080		CAP,TC-U 15P-50 SL
C331	87-A10-287-080		CAP,M 2200P-50 J
C332	87-010-545-080		CAP, ELECT 0.22-50V
C333	87-018-104-080		CAP,TC-U 10P-50 SL
C334	87-018-104-080		CAP,TC-U 10P-50 SL
C335	87-018-104-080		CAP,TC-U 10P-50 SL
C336	87-A10-301-080		CAP,M 0.033-50 J
C337	87-A10-291-080		CAP,M 4700P-50 J
C338	87-018-134-080		CAPACITOR,TC-U 0.01-16
C339	87-010-401-080		CAP, ELECT 1-50V
C340	87-018-119-080		CAP, CER 100P-50V
C341	87-018-121-080		CAP, CER 150P-50V
C342	87-010-401-080		CAP, ELECT 1-50V
C343	87-A10-285-080		CAP,M 1500P-50 J
C344	87-010-400-080		CAP, ELECT 0.47-50V

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C345	87-018-123-080		CAP, CER 220P-50V
C346	87-018-123-080		CAP, CER 220P-50V
C347	87-A10-298-080		CAP,M 0.018-50 J
C349	87-018-116-080		CAP,TC U 56P-50
C350	87-018-134-080		CAPACITOR,TC-U 0.01-16
C401	87-010-385-080		CAP, ELECT 220-25V
C402	87-010-401-080		CAP, ELECT 1-50V
C406	87-A10-307-080		CAP,M 0.1-50 J
C407	87-010-382-080		CAP, ELECT 22-25V
C408	87-010-402-080		CAP, ELECT 2.2-50V
C450	87-010-405-080		CAP, ELECT 10-50V
C451	87-010-401-080		CAP, ELECT 1-50V
C452	87-010-405-080		CAP, ELECT 10-50V
C454	87-010-401-080		CAP, ELECT 1-50V
C455	87-010-260-080		CAP, ELECT 47-25V
C456	87-010-235-080		CAP,E 470-16 SME
C457	87-010-405-080		CAP, ELECT 10-50V
⚠C601	87-010-974-080		CAP,CER 220P-500 B
C602	87-A10-469-080		CAP,CER 2200P-500 K B DD10
⚠C603	87-010-976-080		CAP,CER 1000P-500 B
C605	87-A10-448-090		CAP,M/P 0.47-250 J<143,148>
C605	87-A11-054-010		CAP,M/P 0.68-250 J B32652<208>
C606	87-A11-252-090		CAP,M/P 8200P-1.6K H<143,148>
C606	87-A11-253-090		CAP,M/P 0.01-1.6K H B32652<208>
C607	87-012-397-090		CAP,CER 1000P-2K<143,148>
C607	87-012-399-010		CAP,CER 1500P-2K<208>
C609	87-A10-307-080		CAP,M 0.1-50 J
C651	87-018-127-080		CAP, CER 470P-50V
C652	87-A10-207-080		CAP,TCS 0.01-50KBUP050
C656	87-A10-281-080		CAP,M 680P-50 J
C657	87-018-115-080		CAP, CER 47P-50V
C658	87-018-131-080		CAP, CER 1000P-50V
C659	87-010-247-080		CAP, ELECT 100-50V
C663	87-010-397-090		CAP,E 1000-35 M SME
C664	87-010-401-080		CAP, ELECT 1-50V
⚠C801	87-A10-688-010		CAP,M/P 0.22-275 K (B81133)
⚠C802	87-A10-688-090		CAP,M/P 0.22-275 K (B81133)
⚠C806	87-A10-519-010		CAP,CER 4700P-4K M E KX
C808	87-A10-372-090		CAP,E 150-400 M SMH<143,148>
C808	87-A10-646-090		CAP,E 220-400 SMH25.4*40<208>
C809	87-010-385-080		CAP, ELECT 220-25V
C810	87-010-381-080		CAP, ELECT 330-16V
C811	87-018-131-080		CAP, CER 1000P-50V
C812	87-A10-490-080		CAP,M/P 0.022-630 K MMC
C813	87-A10-832-010		CAP,CER 1000P-1K K R LONG
C814	87-A10-832-010		CAP,CER 1000P-1K K R LONG
C816	87-A10-832-010		CAP,CER 1000P-1K K R LONG
C817	87-010-384-080		CAP, ELECT 100-25V
C819	87-010-263-080		CAP, ELECT 100-10V
C821	87-010-396-080		CAP,E 470-35 SME
C822	87-A11-148-080		CAP,TC U 0.1-50 Z F
C823	87-A12-051-090		CAP,E 100-160 M SK
C825	87-A10-469-080		CAP,CER 2200P-500 K B DD10
C827	87-010-387-080		CAP,E 470-25 SME
C831	87-016-644-080		CAP,E 10-100 SSL
C832	87-010-396-080		CAP,E 470-35 SME<143,148>
C832	87-010-397-090		CAP,E 1000-35 SME<208>
C834	87-010-381-080		CAP, ELECT 330-16V
C835	87-010-382-080		CAP, ELECT 22-25V
C839	87-010-384-080		CAP, ELECT 100-25V
C840	87-A10-733-090		CAP,E 220-160 M SK
CF201	87-008-574-080		FLTR,CER SFSH4.5MCB<148,208>
CF202	87-A90-223-080		FLTR,SFSH6.0MCB<148,208>
CF203	87-008-575-080		FLTR,CFSFSH5.5MCB<143>
CF203	87-008-576-080		FLTR,CFSFSH6.5MCB<148,208>
CF204	87-008-576-080		FLTR,CFSFSH6.5MCB<143>
CF204	87-008-575-080		FLTR,CFSFSH5.5MCB<148,208>
CF205	87-008-577-080		FLTR,TPS5.5MB2<143>
CF205	87-A90-224-080		FLTR,TPS6.0MB<148,208>
CF206	87-008-577-080		FLTR,TPS5.5MB2<148,208>
CF207	87-008-578-080		FLTR,TPS6.5MB2<143>
CF208	87-008-573-080		FLTR,CER TPS4.5MB2<148,208>
CF209	87-008-578-080		FLTR,TPS6.5MB2<148,208>
CN102	87-009-035-010		CONN,7P PH M
CN401	87-A60-457-010		CONN,4P V TID-X
CN601	87-099-675-010		CONN,5P V V
⚠CN801	82-481-649-010		PLUG,2P MINI(*)
⚠CN802	87-A61-045-010		CONN,2P V THL-P
CNA301	8Z-JB6-613-010		CONN ASSY,6P V TV-NK 2.0
CNA401	84-LB3-692-010		CONN ASSY,4P-SP-1
D1	87-A40-422-010		LED,SLP-581D-51 Y-G/R
⚠F801	87-035-458-01G		FUSE, 4A 250V T 218
FB802	87-003-223-080		FERRITE BEAD BL02RN2
FB805	87-003-223-080		FERRITE BEAD BL02RN2
FB806	87-003-223-080		FERRITE BEAD BL02RN2
⚠FC801	87-033-213-080		CLAMP, FUSE
⚠FC802	87-033-213-080		CLAMP, FUSE
HL1	84-LB3-216-010		HLDR,LED
J401	87-A60-680-010		JACK,PIN 4P Y-BLK HTJ-036-22
J402	87-A60-329-110		JACK,3.5 BLK MONO W/SW
J403	87-A61-079-010		JACK,PIN 2P BLK-Y W/O SW
L1	87-005-738-080		COIL,47UH J SP02
L2	87-005-742-080		COIL,100UH J SP02
L3	87-005-730-080		COIL,10UH J SP02
L4	87-005-730-080		COIL,10UH J SP02
L101	87-005-440-080		COIL,47UH FLR50
L102	87-005-730-080		COIL,10UH J SP02
L202	87-005-729-080		COIL,8.2UH J SP02<148,208>
L202	87-005-730-080		COIL,10UH J SP02<143>
L203	87-005-730-080		COIL,10UH J SP02<148,208>
L204	87-005-729-080		COIL,8.2UH J SP02<143>
L207	87-005-729-080		COIL,8.2UH J SP02<148,28>
L208	87-005-730-080		COIL,10UH J SP02<148,208>
L210	8Z-JB6-617-010		COIL,VCO KHIC-TB1240AN
L211	87-005-740-080		COIL,68UH J SP02
L301	87-005-740-080		COIL,68UH J SP02
L302	87-005-730-080		COIL,10UH J SP02
L303	87-005-730-080		COIL,10UH J SP02
L305	87-005-432-080		COIL,10UH
L602	87-A50-467-010		COIL,2.2MH CW8A
L801	8Z-JB8-640-010		DGC,14 90 HMVRK
L802	87-A50-466-010		COIL,390UH CRCH-106
⚠LF801	8Z-JB6-670-010		FLTR,LINE HJC-FET24S
⚠PR802	87-A90-473-080		PROTECTOR,3.5A 491SERIES 60V
⚠PS801	87-A30-096-010		P-TR,TLP721F
⚠PS802	87-A30-096-010		P-TR,TLP721F
⚠PT801	8Z-JB6-627-010		PT,SWT ZJB-6
R110	87-A00-586-090		RES,M/F 12K-2W J BO2SJ
R402	87-A00-582-090		RES,M/F 2.2-1W J BO1SJ
R608	87-A00-225-090		RES,M/F 2.2K-5W J RSV5
R610	87-A00-584-090		RES,M/F 100-2W J BO2SJ
R803	87-A00-555-010		RES,CEM 2.2-10W J MPC722
R804	87-A00-224-090		RES,SD 8.2M-1W J CE
R805	87-A00-303-090		RES,M/F 82K-3W J RSS
R806	87-A00-573-090		RES,CEM 0.33-5W J MPC71
R808	87-A00-579-090		RES,M/F 22-1/2W J BOS2J
R812	87-A00-589-090		RES,M/F 100K-3W J BO3SJ
R815	87-A00-050-060		RES,FUSE 2.2-1W J
R817	87-A00-050-060		RES,FUSE 2.2-1W J
R818	87-A00-051-060		RES,FUSE 2.7-1W J<143,148>
R818	87-029-131-090		RES,FUSE 1-1W J<208>
R821	87-A00-050-060		RES,FUSE 2.2-1W J
R831	87-029-023-090		FUSE RESISTOR 1/4W 47
SCR801	87-A91-641-010		VRIS, SIOV-S14K300
SW1	87-A90-712-080		SW,TACT EVQ11L07K
SW3	87-A90-712-080		SW,TACT EVQ11L07K
SW4	87-A90-712-080		SW,TACT EVQ11L07K
SW5	87-A90-712-080		SW,TACT EVQ11L07K
SW6	87-A90-712-080		SW,TACT EVQ11L07K
⚠SW801	87-A91-410-010		SW,AC PUSH 1-1-1 ESB92SH1B

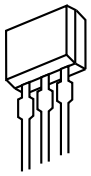
REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
T601	8Z-JB6-605-010		TRANS, HD TB8B
⚠T602	8Z-JB8-626-010		FBT, MSU1FVK202<143,148>
⚠T602	8Z-JB6-616-010		FBT, KFT3AA243X<208>
⚠THP801	87-A91-485-010		POS-THMS,DGC3R300N27C<143,148>
⚠THP801	87-A91-405-010		POS-THMS,T209-B80-A10<208>
TU101	87-A91-495-010		TU UNIT, ENV59D58G3-38.0MHZ
X1	87-030-212-080		CERA LOCK CST8.0M
X301	8Z-JB6-619-080		VIB,XTAL 4.43MHZ A0443S
NK C.B			
C503	87-018-125-080		CAP, CER 330P-50V<143,148>
C503	87-018-126-080		CAP,TC U 390P-50 K B UP050<208>
C504	87-018-125-080		CAP, CER 330P-50V<143,148>
C504	87-018-126-080		CAP,TC U 390P-50 K B UP050<208>
C507	87-018-127-080		CAP, CER 470P-50V<143,148>
C507	87-018-128-080		CAP,TC U 560P-50 K B UP050<208>
C508	87-010-379-080		CAP, ELECT 22-16V
CN502	87-A60-485-010		CONN,2P V LV GRA
R510	87-A00-586-090		RES,M/F 12K-2W J BO2SJ
R515	87-A00-586-090		RES,M/F 12K-2W J BO2SJ
R531	87-A00-586-090		RES,M/F 12K-2W J BO2SJ
SO501	86-LBR-670-010		SOCKET,CRT 9P HPS1521<208>
SO502	86-LBU-670-010		SOCKET,CRT 9P CVT3326 1603<148>
SO502	8Z-JB4-670-010		SOCKET,CRT 9P CVT3327 1603<143>

TRANSISTOR ILLUSTRATION



E C B

KTA1266
KTC3198

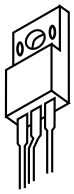


S D G

2SK2541

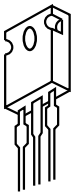
E C B

2SC3467



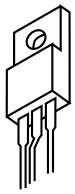
E C B

2SD2586
2SD2599



E C B

2SC3271



1 2 3

1. SENSE
2. COLLECTOR
3. GROUND

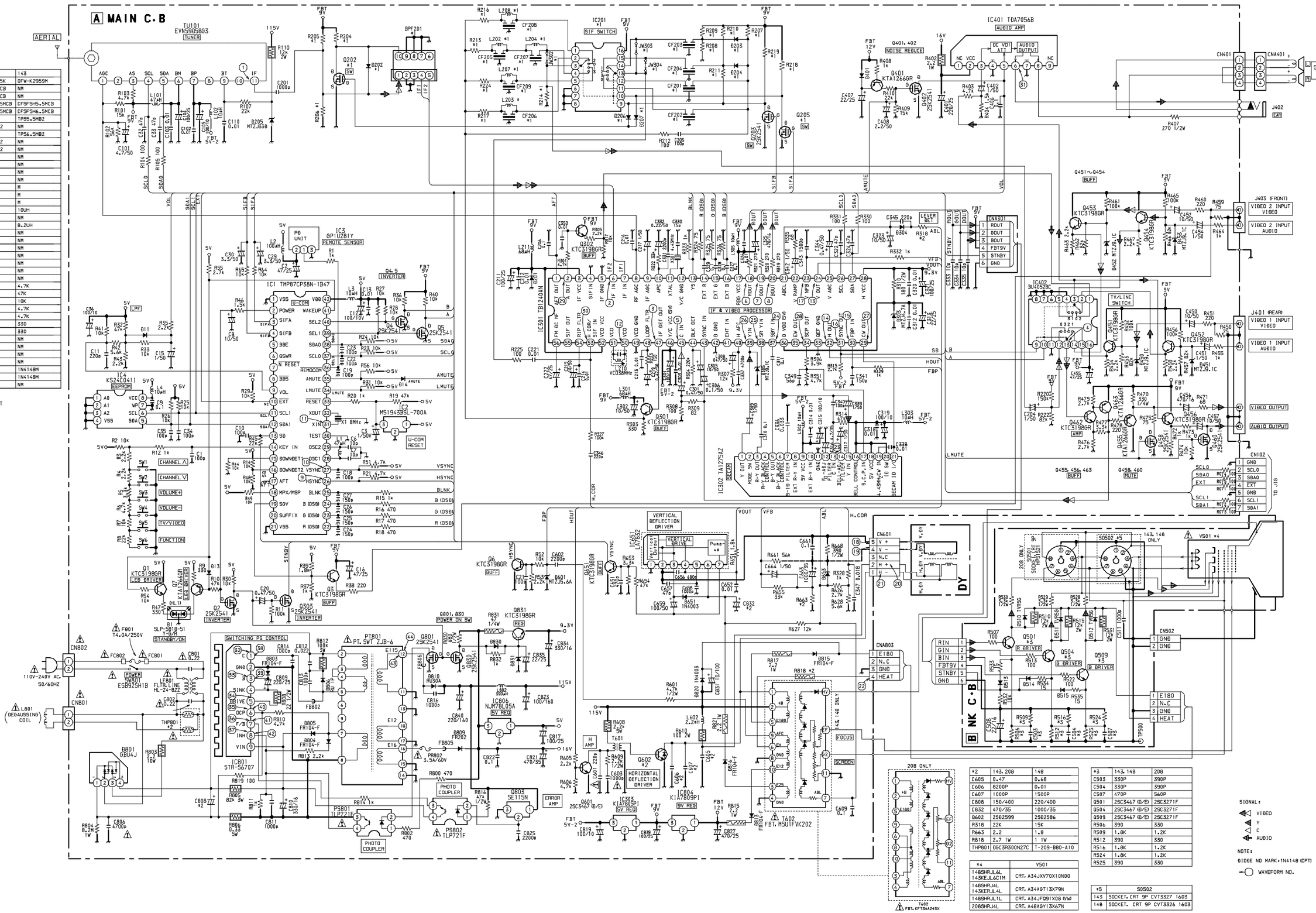
SE115N

32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

A B C D E F G H I J K L M N O P Q R S T U

A MAIN C.B

SCHEMATIC DIAGRAM (MAIN / NK)



*1	148,208	143
BPF201	DFW-K6265K	DFW-K2959M
CF201	SFSH4.5MCB	NM
CF202	SFSH6.0MCB	NM
CF203	CFSFSH5.5MCB	CFSFSH5.5MCB
CF204	CFSFSH5.5MCB	CFSFSH6.5MCB
CF205	TPS6.0MB	TPS5.5MB2
CF206	TPS5.5MB2	NM
CF207	NM	TPS6.5MB2
CF208	TPS4.5MB2	NM
CF209	TPS6.5MB2	NM
D202	1N4148M	NM
D206	1N4148M	NM
D207	1N4148M	NM
IC201	BU4052BC	NM
JW302	NM	M
JW303	NM	M
JW304	NM	M
L202	8.2UH	10UH
L203	10UH	NM
L204	JW	8.2UH
L207	8.2UH	NM
L208	10UH	NM
Q202	2SK2541	NM
Q205	2SK2541	NM
R204	2.2K	NM
R205	2.2K	NM
R206	6.8K	NM
R207	NM	4.7K
R208	NM	47K
R209	NM	10K
R210	NM	4.7K
R211	NM	4.7K
R213	220	330
R214	390	330
R216	220	NM
R217	220	NM
R218	10K	NM
R219	10K	NM
D203	JW	1N4148M
D204	JW	1N4148M
R224	220	NM

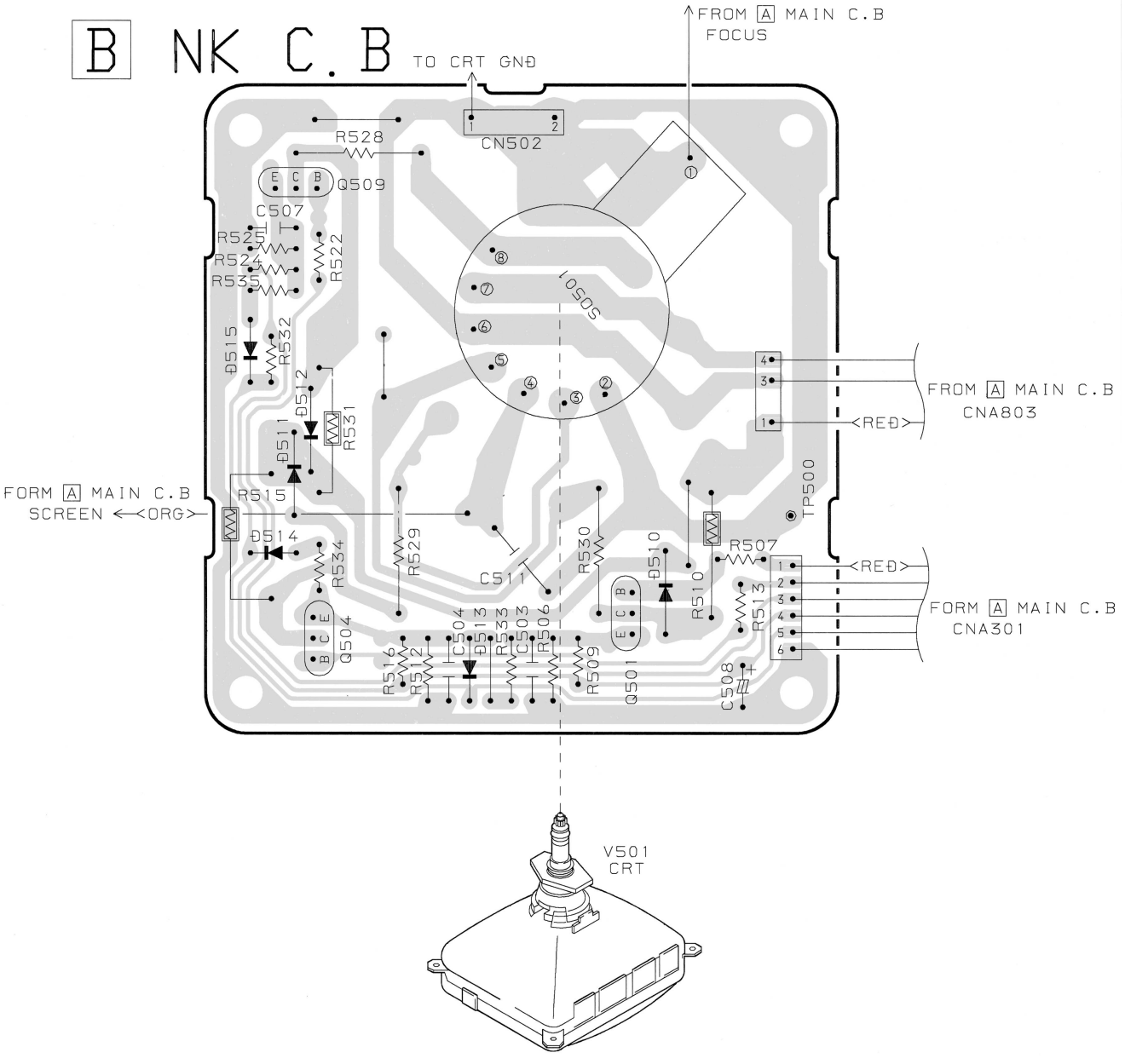
JW=JUMPER
NM=NON-MOUNT

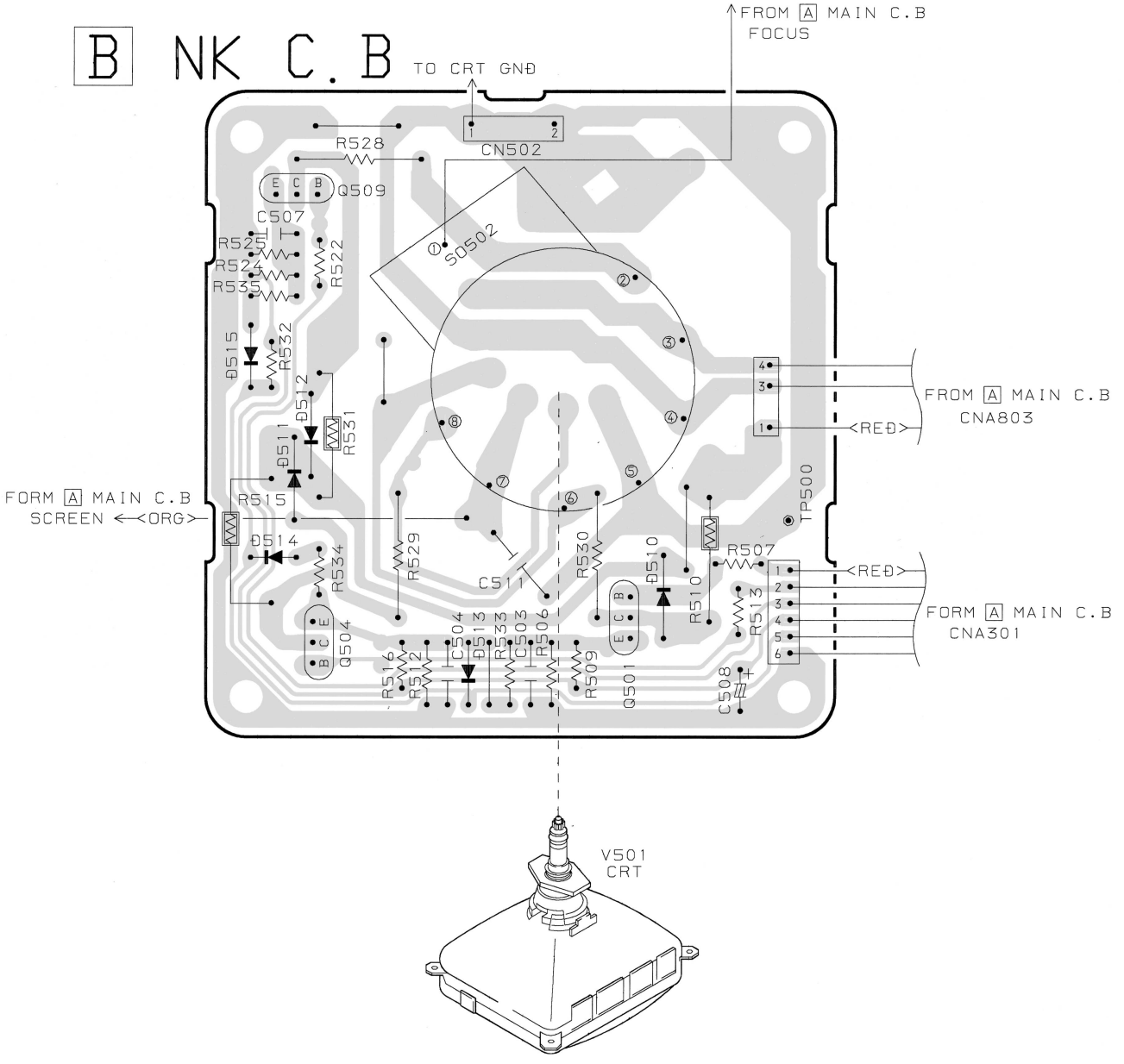
*2	143,208	148
C605	0.47	0.68
C606	8200P	0.01
C607	1000P	1500P
C808	150/400	220/400
C832	470/35	1000/35
Q602	2SD2599	2SD2586
R518	22K	15K
R663	2.2	1.8
R818	2.7 1W	1 1W
THP801	D6C3R500NZ7C	T-209-B80-A10

*3	143,148	208
C503	330P	390P
C504	330P	390P
C507	470P	560P
Q501	2SC3467 (D/E)	2SC3271F
Q504	2SC3467 (D/E)	2SC3271F
Q509	2SC3467 (D/E)	2SC3271F
R506	390	330
R509	1.8K	1.2K
R512	390	330
R516	1.8K	1.2K
R524	1.8K	1.2K
R525	390	330

*4	V501
148SHRJL6L 143KEJL6C1M	CRT, A34JXV70X10N00
148SHRJ4L 143KERJL4L	CRT, A34A9T13X79N
148SHRJL1L	CRT, A34JFQ91X08 (W)
208SHRJ4L	CRT, A48A9Y13X67N

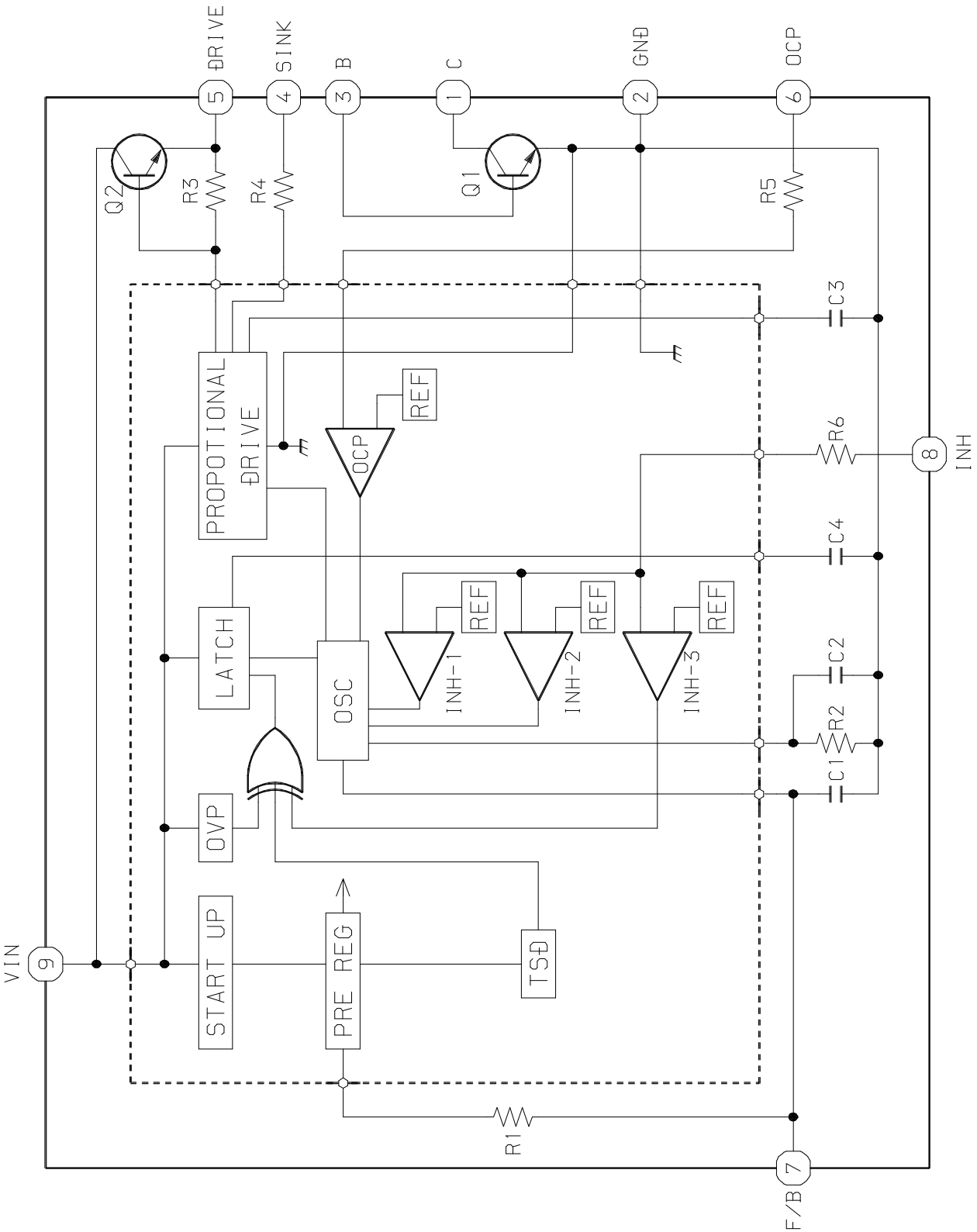
*5	S0502
143	SOCKET, CRT 9P CVT3327 1603
148	SOCKET, CRT 9P CVT3326 1603


B NK C.B
TO CRT GND
FROM A MAIN C.B
FOCUS
CN502
R528
Q509
C507
R525
R524
R535
R522
SOSOI
D515
R532
D512
D511
R531
FROM A MAIN C.B
CNA803
RED
FORM A MAIN C.B
SCREEN
ORG
R515
D514
R534
R529
C511
R530
D510
R510
R507
TP500
RED
FORM A MAIN C.B
CNA301
Q504
R516
R512
C504
D513
R533
C503
R506
R509
Q501
R513
C508
V501
CRT


B NK C.B
TO CRT GND
FROM A MAIN C.B
FOCUS
CN502
R528
Q509
C507
R525
R524
R535
R522
SD502
D515
R532
D512
D511
R531
R515
D514
R534
R529
C511
R530
D510
R507
TP500
R510
R513
Q504
C504
D513
R533
C503
R506
R516
R512
R509
Q501
C508
FORM A MAIN C.B
SCREEN <ORG>
FROM A MAIN C.B
CNA803
<RED>
<RED>
FORM A MAIN C.B
CNA301
V501
CRT

IC BLOCK DIAGRAM

IC,STR-S6706

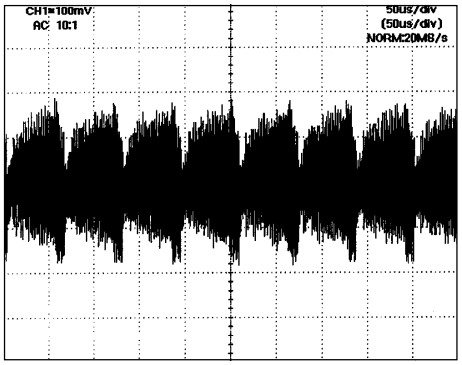


WAVEFORM

<VIDEO SECTION>

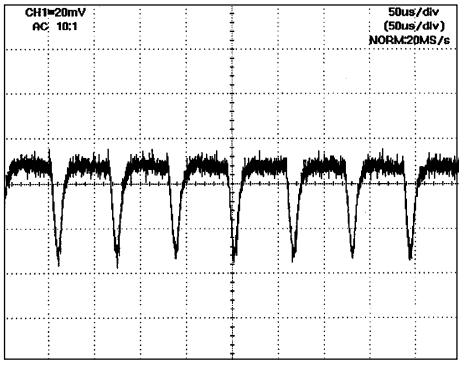
TUNER: 224.25 MHz PAL 60dBμ, LINE-IN: 1Vp-p PAL color bar

① TU101 PIN11 (IF)



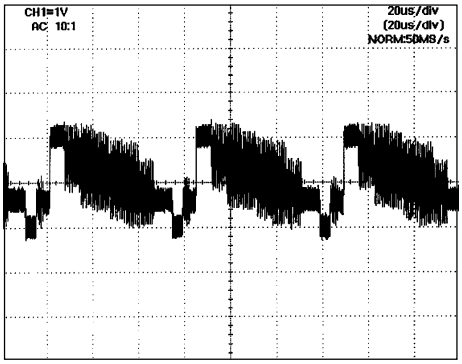
50 μs/div
100 mV/div

② IC301 PIN6 (IF IN)



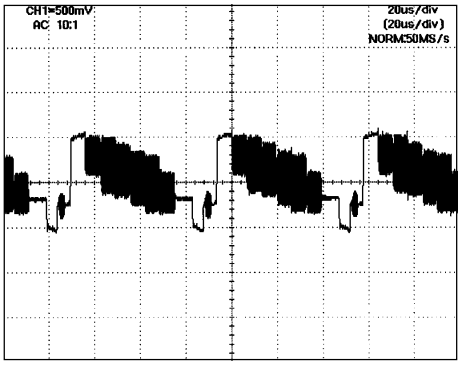
50 μs/div
20 mV/div

③ IC301 PIN47 (IF DET OUT)



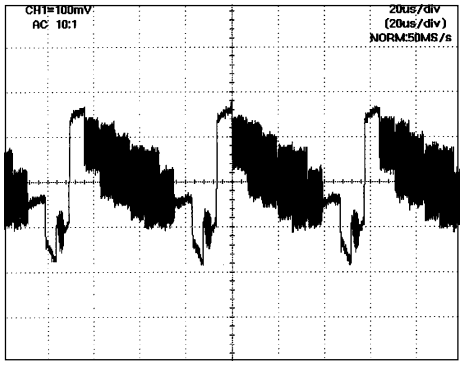
20 μs/div
1 V/div

④ IC402 PIN13



20 μs/div
500 mV/div

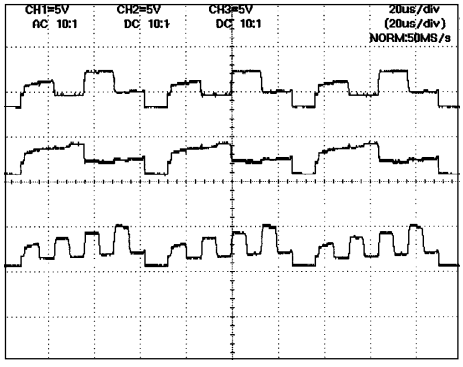
⑤ IC301 PIN45 (C IN)



20 μs/div
100 mV/div

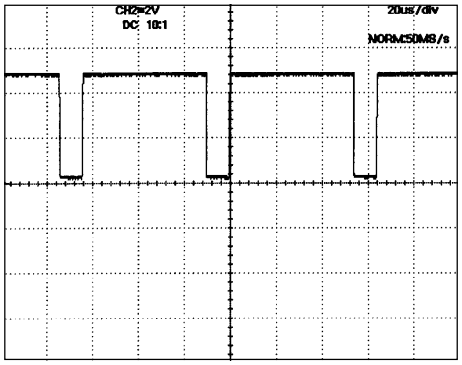
⑥ IC301 PIN18 (R OUT) ⑦ IC301 PIN19 (G OUT)

⑧ IC301 PIN20 (B OUT)



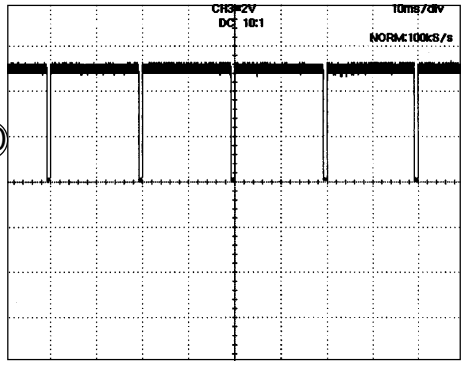
20 μs/div
5 V/div

⑨ IC1 PIN26 (HSYNC)



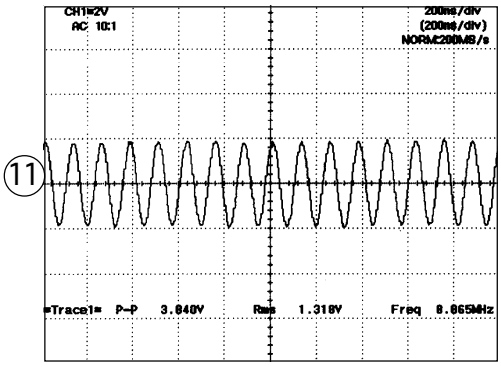
20 μs/div
2 V/div

⑩ IC1 PIN27 (VSYNC)



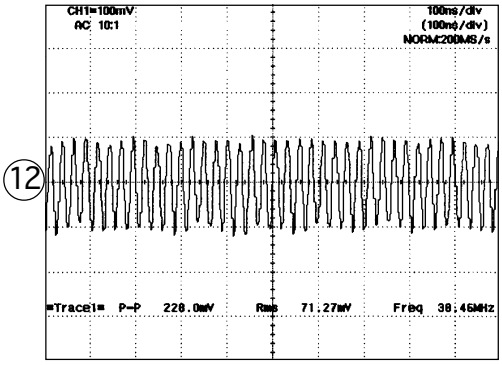
10 ms/div
2 V/div

⑪ IC1 PIN31 (XIN)



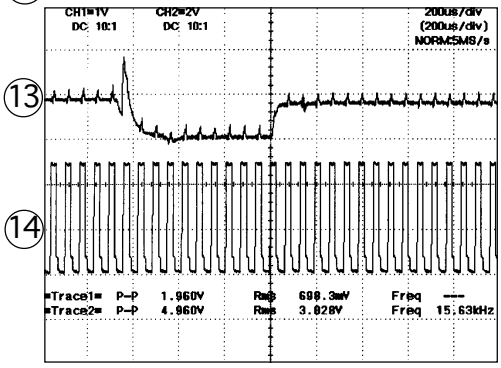
200 ns/div
2 V/div

⑫ IC301 PIN50 (VCO)



100 ns/div
100 mV/div

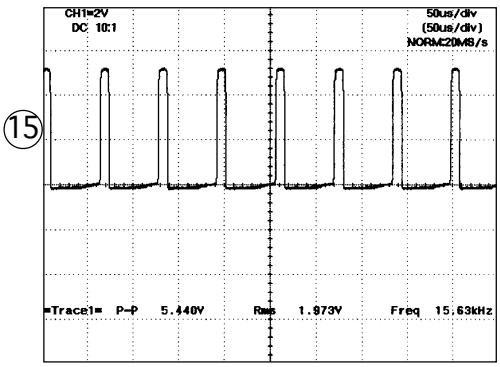
⑬ IC301 PIN24 (V OUT)
⑭ IC301 PIN32 (H OUT)



200 µs/div
1 V/div

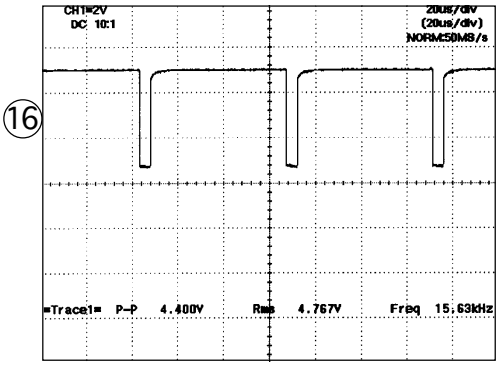
200 µs/div
2 V/div

⑮ IC301 PIN30 (FBP IN)



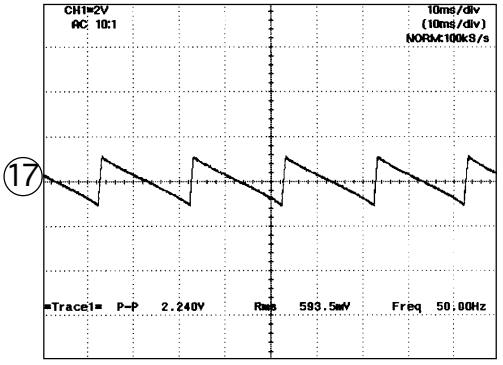
50 µs/div
2 V/div

⑯ IC 301 PIN31 (SYNC OUT)



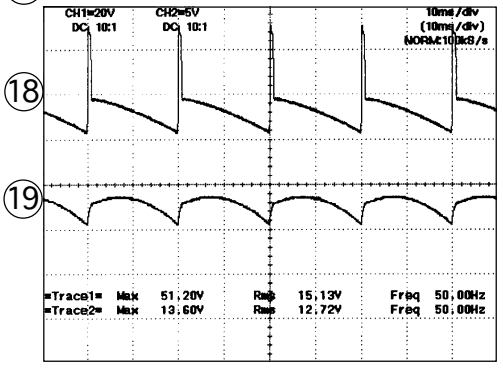
20 µs/div
2 V/div

⑰ IC301 PIN23 (V.NFB)



10 ms/div
2 V/div

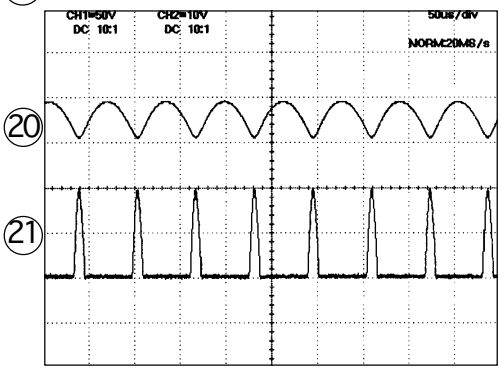
⑱ CN601 PIN5 (V+)
⑲ CN601 PIN4 (V-)



10 ms/div
20 V/div

10 ms/div
5 V/div

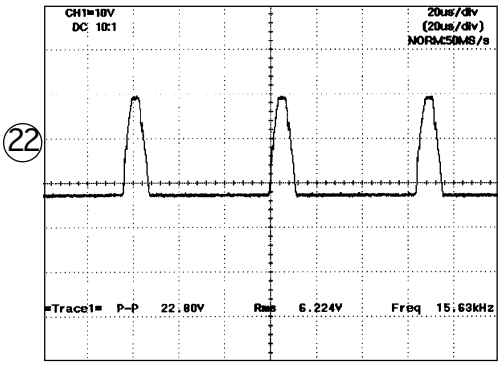
⑳ CN601 PIN2 (H+)
㉑ CN601 PIN1 (H-)



50 µs/div
50 V/div

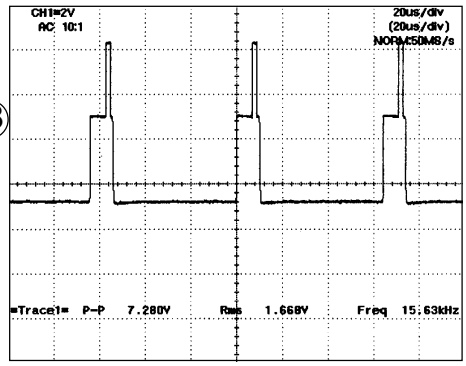
50 µs/div
10 V/div

㉒ CNA803 PIN4 (HEAT)



20 µs/div
10 V/div

㉘ IC 301 PIN34 (SCP OUT)

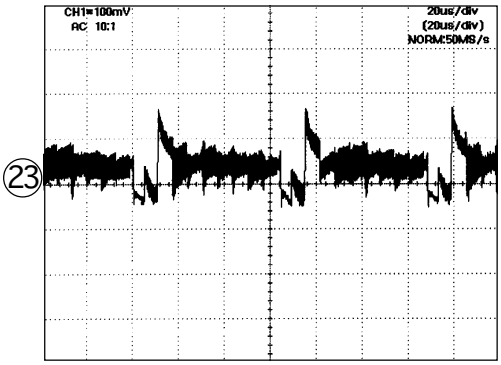


20 µs/div
2 V/div

INPUT : SECAM COLOR BAR

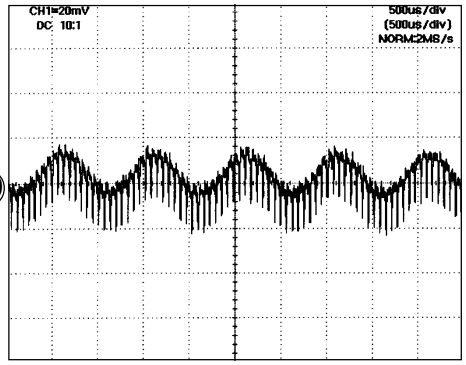
<AUDIO SECTION>

㉓ IC302 PIN13 (C IN)



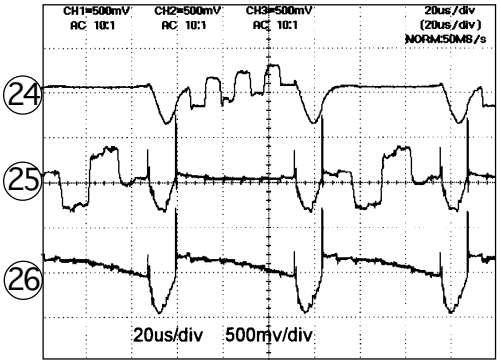
20 µs/div
100 mV/div

㉙ IC301 PIN2 (AOUT)



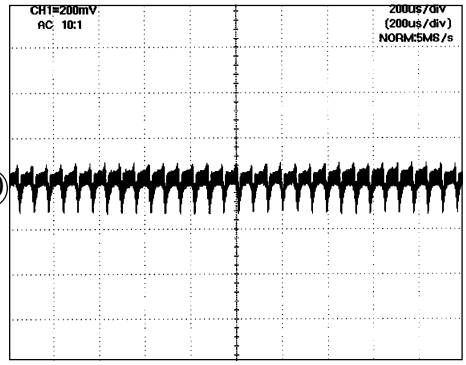
500 µs/div
20 mV/div

㉔ IC301 PIN37 (SB YIN) ㉕ IC301 PIN38 (SR YIN)
㉖ IC301 PIN39 (YIN)



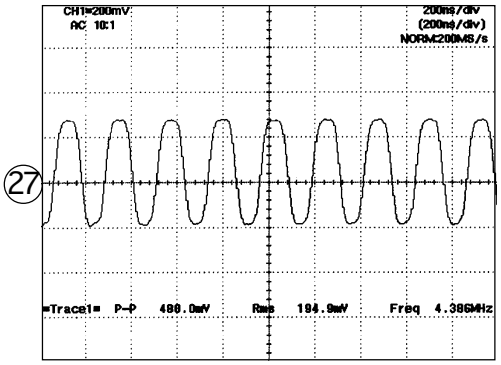
20 µs/div
500 mV/div

㉚ IC301 PIN53 (H COR / SIF IN)



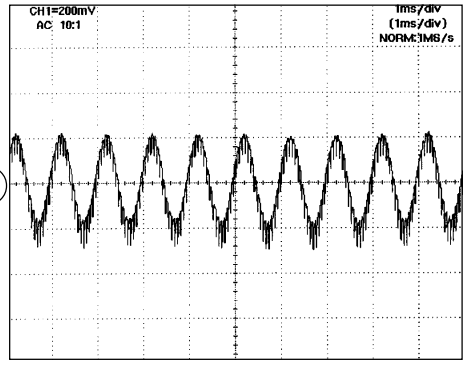
200 µs/div
200 mV/div

㉗ IC301 PIN29 (CW OUT)



200 ns/div
200 mV/div

㉛ IC401 PIN6 (SPEAKER OUT)

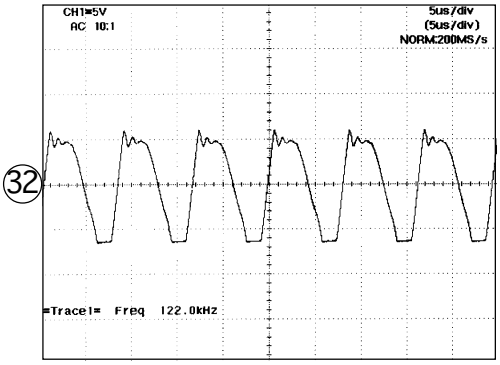


1 ms/div
200 mV/div

<POWER SUPPLY SECTION>

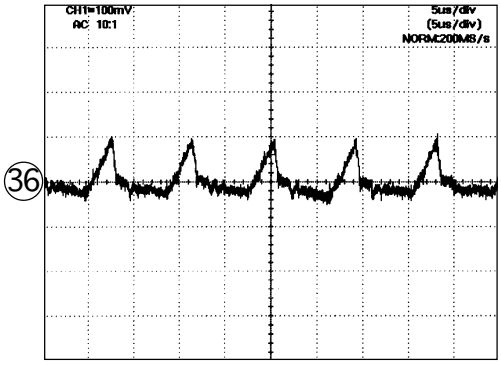
(230V AC) PROBE GND CONNECTED TO PS HOT GND

32 IC801 PIN1 (C)



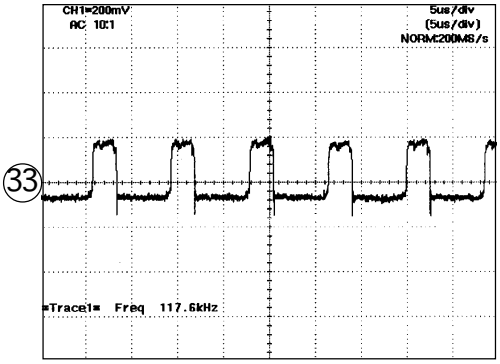
5 µs/div
5 V/div

36 IC801 PIN7 (F/B)



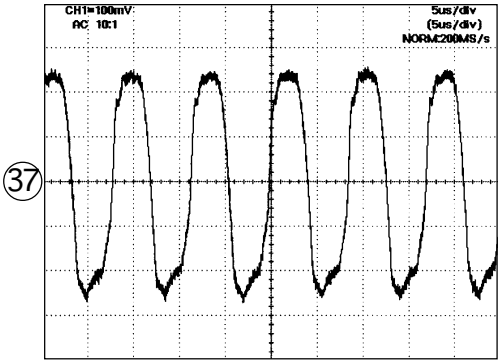
5 µs/div
100 mV/div

33 IC801 PIN3 (B)



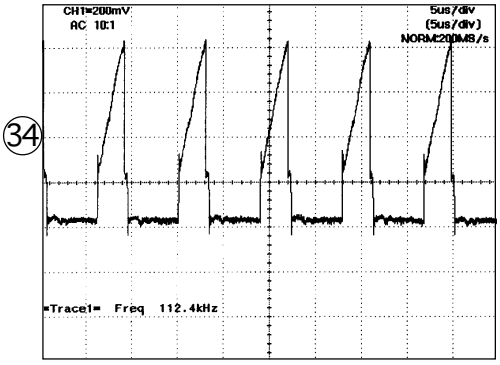
5 µs/div
200 mV/div

37 IC801 PIN8 (INH)



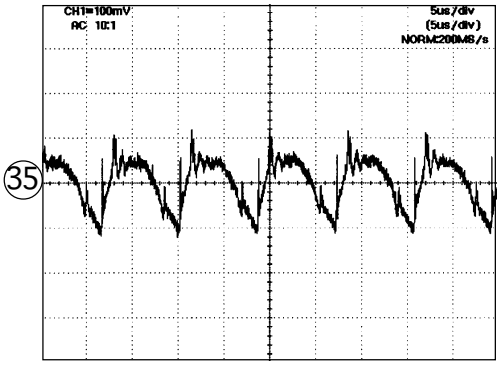
5 µs/div
100 mV/div

34 IC801 PIN5 (DRIVE)



5 µs/div
200 mV/div

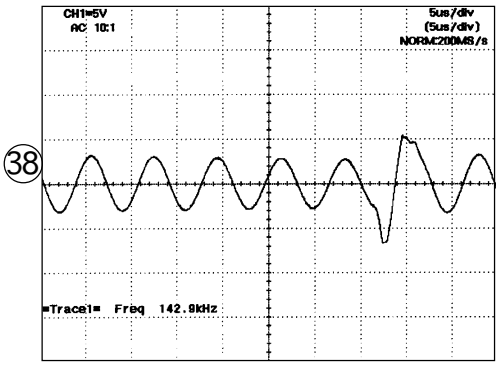
35 IC801 PIN6



5 µs/div
5 V/div

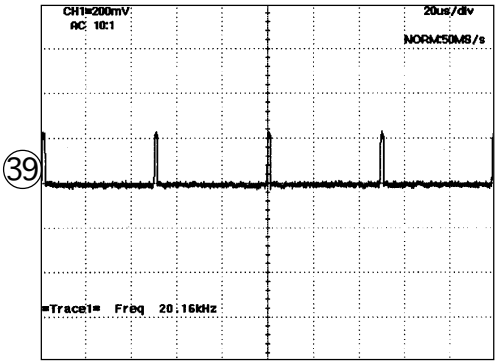
(230V AC STANDBY) PROBE GND CONNECTED TO PS HOT GND

㊳IC801 PIN1 (C)



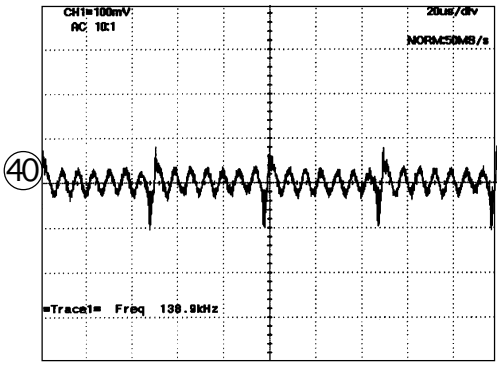
5 µs/div
5 V/div

㊴IC801 PIN3 (B)



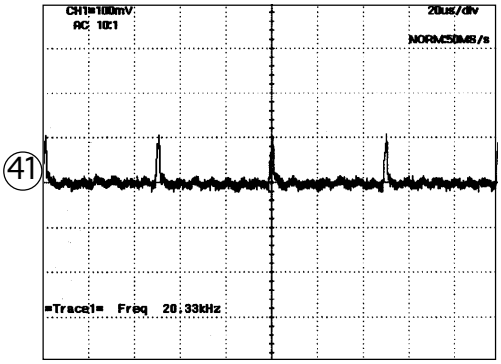
20 µs/div
200 mV/div

㊵IC801 PIN6 (OCP)



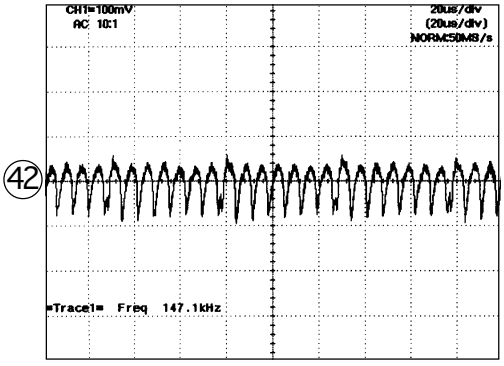
20 µs/div
100 mV/div

㊶IC801 PIN7 (F/B)



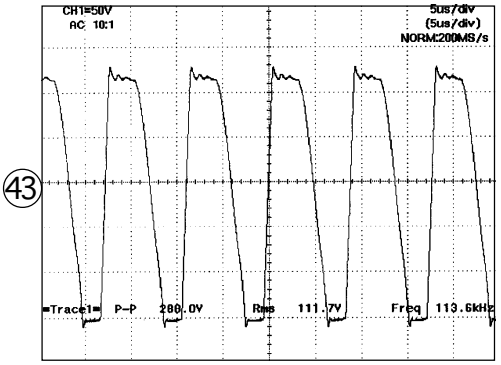
20 µs/div
100 mV/div

㊷IC801 PIN8 (INH)



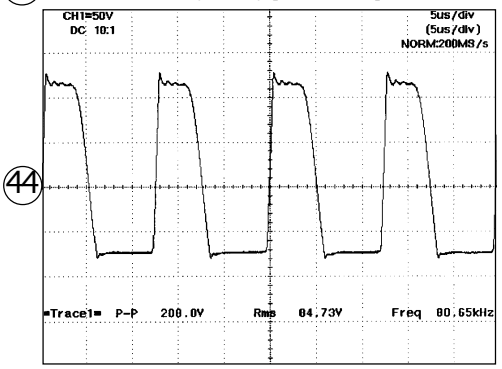
20 µs/div
100 mV/div

㊸ PT801 PIN12 (E115) [AC 230V]



5 µs/div
50 V/div

㊹PT801 PIN12 (E115) [AC 110V]



5 µs/div
50 V/div

IC DESCRIPTION

IC, TMP87CP38N-1B47

Pin No.	Pin Name	I/O	Description
1	VSS	-	Connected to Gnd.
2	POWER	O	During standby mode, "H" level is inserted to switch off "H" deflection & high voltage.
3	SIFA	O	Sound IF filter selection control signal out. (Refer to table 2)
4	SIFB	O	Sound IF filter selection control signal out. (Refer to table 2)
5	SIFC	-	Not used.
6	QSWR	-	Not used.
7	NC	-	Not connected.
8	$\overline{\text{BBS}}$	-	Not used.
9	VOL	O	Volume control output.
10	$\overline{\text{EXT}}$	-	Not used.
11	SCL1	O	Sync clock between micon & EEPROM.
12	SDA1	I/O	Data bus between micon & EEPROM.
13	SD	I	Sync signal input pin for detection.
14	KEY	I	Input key is detected by monitor.
15	DOWNDET1	I	Power down detection input.
16	DOWNDET2	-	Not used.
17	AFT	I	AFT voltage input pin.
18	BIASDET	-	Connected to 5V supply through a resistor.
19	SGV	O	Test signal output when test mode.
20	SUFFIX	-	Not used.
21	GND	-	Connected to GND.
22	R (OSD)	O	OSD red output.
23	G (OSD)	O	OSD green output.
24	B (OSD)	O	OSD blue output.
25	BLNK	O	OSD blanking signal output.
26	HSYNC	I	OSD horizontal synchronised signal input.
27	VSYNC	I	OSD vertical synchronised signal input.
28	OSC1	I	Connected to osc coil.
29	OSC2	I	Connected to osc coil.
30	GND	-	Connected to ground.
31	XIN	I	8 MHz clock input.
32	XOUT	O	8 MHz clock output.
33	$\overline{\text{RESET}}$	I	Used to reset the micon when power up.
34	LMUTE	O	"H" to mute the line out signal.
35	AMUTE	O	"H" to mute the audio signal.
36	$\overline{\text{REMOCON}}$	I	Remote control signal is led to this pin.
37	SCL0	I	Sync clock for I^2c bus.
38	SDA0	I/O	Data in/out for I^2c bus.
39	SEL1	O	A/V input/output selection. (Refer to table 1)
40	SEL2	O	A/V input/output selection. (Refer to table 1)
41	WAKEUP	O	During sleep mode switch on green LED.
42	VCC	-	5V supply.

Table 1. Selecting AV mode

IC402	PIN10	PIN9
TUNER	L	L
AV1	L	H
AV2	H	L

Table 2. Selecting tuner sound IF filter

IC201	PIN10	PIN9
4.5MHZ	L	L
5.5MHZ	L	H
6.0MHZ	H	H
6.5MHZ	H	L

IC, TB1240AN

Pin No.	Pin Name	I/O	Description
1	AFT OUT	O	The terminal for AFT output and self-adj output.
2	A OUT	O	Audio output pin.
3	IF VCC	-	Vcc of PIF circuit.
4	SIF IN	I	SIF input pin. (Connected to GND)
5	IF GND	-	GND of PIF circuit.
6	IF IN	I	IF signal input.
7	IF IN	I	IF signal input.
8	RF AGC	O	RF AGC output.
9	IF AGC	-	The terminal to be connected with an IF AGC filter.
10	APC	-	APC filter of chroma for demodulation.
11	XTAL	I	4.43MHz crystal oscillator.
12	Y/C GND	-	GND of Y/C circuit.
13	YS	I	The terminal for switching of analog RGB mode and fast half tone.
14	EXT R	I	Analog red signals input.
15	EXT G	I	Analog green signals input.
16	EXT B	I	Analog blue signals input.
17	RGB VCC	-	Vcc of RGB circuit.
18	ROUT	O	R signals output.
19	GOUT	O	G signals output.
20	BOUT	O	B signals output.
21	ABCL	I	ABL/ACL control.
22	V RAMP	-	Connected with cap to make V.RAMP signal.
23	V NFB	I	Input of V.sawteeth signal feedback.
24	V OUT	O	Vertical drive signal output.
25	V AGC	–	V.AGC cap.
26	SCL	I	I^2C bus clock input.
27	SDA	I/O	I^2C bus data input/output.
28	H VCC	-	Vcc of vertical circuit.
29	CW OUT	I/O	PAL/NTSC ID output and SECAM ID input.
30	FBP IN	I	FBP input.
31	SYNC OUT	O	Composites sync output.
32	H OUT	O	Horizontal drive signal output.

Pin No.	Pin Name	I/O	Description
33	DEF GND	-	GND of deflection circuit.
34	SCP OUT	O	Sand castle pulse (VD+HD+GP) output.
35	EW OUT	O	E-W output. (not used)
36	D VDD (5V)	-	Vdd of digital block.
37	SB YIN	I	B-Y signals input.
38	SR YIN	I	R-Y signals input.
39	YIN	I	Y signal input.
40	H AFC	-	H.AFC filter.
41	EHT IN	I	The terminal for EHT. (not used)
42	D GND	-	GND of digital block.
43	SYNC IN	I	Input of the synchronous separation circuit.
44	BLK DET	-	The terminal to be connected with an Black Det filter.
45	C IN	I	Input of chroma signals.
46	Y/C VCC (5V)	-	Vcc of Y/C circuit.
47	IF DET OUT	O	Composite video signal and SIF signal detected in IF circuit.
48	LOOP FLTR	-	Loop filter for IF PLL.
49	VCO GND	-	GND of VCO and SIF circuit.
50	VCO	-	The terminal connected with a tank coil for IF VCO.
51	VCO	-	The terminal connected with a tank coil for IF VCO.
52	VCO VCC	-	Vcc of IF VCO and SIF.
53	H COR/ SIF IN	I	H.curve correction and SIF input.
54	RIP FLTR	-	Connected with cap to stabilize the performance of SIF injection-lock circuit.
55	SIF OUT	O	Output of 2nd SIF signal. (not used)
56	FM DC NF	I	The terminal for FM DC negative feedback and AGC filter for L-SECAM.

IC, TA1275AZ

Pin No.	Pin Name	I/O	Description
1	Y OUT	O	The output pin for Y signal.
2	MODE SW	O	The pin for controlling the Y processing mode: to Vcc: 5.5MHz trap ; open: 5.5MHz trap + D.L ; to GND: DL. (not used)
3	R-Y OUT	O	The output pin for demodulated R-Y signal.
4	R-Y BLACK CONTROL	I	The pin for controlling the black offset level. (not used)
5	B-Y OUT	O	The output pin for demodulated B-Y signal.
6	B-Y BLACK CONTROL	I	The pin for controlling the black offset level. (not used)
7	S-ID FILTER	I	The pin for connecting the SECAM ident filter capacitor.
8	EXT R-Y IN	I	The input pin for external R-Y signal. (not used)
9	5V VCC	-	The Vcc pin for Y/C processing block.
10	EXT B-Y IN	I	The input pin for external B-Y signal. (not used)
11	GND	-	The Gnd pin.
12	Fo-ADJ FILTER	I	The pin for connecting a capacitor for automatic adjusting circuit.
13	C IN	I	The chroma signal input pin.
14	BELL-ADJ FILTER	I	The pin for connecting a capacitor for the bell filter fo, 4.286MHz.
15	Y IN	I	The Y signal input pin.
16	BELL CONTROL	I	The pin for selecting the bell filter fo. fo + 70KHz: open ; fo + 35KHz : 20k to GND ; fo: to GND.(Connected to Pin 18)
17	S.C.P. IN	I	The pin to input the sand castle pulse, SCP.
18	5V VCC	-	Vcc pin for logic block.
19	4.43MHz CW IN	I	The pin for input 4.43MHz of carrier wave for self adjustment circuit.
20	ID SW	I	The switch pin for selecting the ID detection mode. (Connected to Pin 18) H + V: connected to Vcc ; Auto search: opened ; H: connected to GND.
21	SECAM ID I/O	I/O	The interface pin to the main processor.

VOLTAGE CHART

VIDEO INPUT : PAL COLOR BAR 1Vp-p
AUDIO INPUT : 1Vp-p

	B		C		E	
REF NO.	STANDARD	STANDBY	STANDARD	STANDBY	STANDARD	STANDBY
Q1	0	0	4.9	5.0	-	-
Q3	0	0	9.0	0	0	0
Q6	0	0	4.1	5.0	0	0
Q7	4.9	1.75	-	1.8	4.9	2.45
Q301	5.2	0	8.9	0	4.6	0
Q302	4.1	0	9.0	0	3.5	0
Q401	12.2	0.9	0	1.54	12.0	1.54
Q451	3.8	0	9.0	0	3.2	0
Q452	3.7	0	9.0	0	3.1	0
Q453	3.8	0	9.0	0	3.2	0
Q454	3.8	0	9.0	0	3.2	0
Q455	4.7	0	0	0	5.4	0
Q456	3.0	0	9.0	0	2.4	0
Q462	3.2	0	8.3	0	2.6	0
Q463	8.3	0	4.7	0	9.0	0
Q501	3.0	0	143.0	114.0	2.8	0
Q504	3.1	0	141.0	114.0	2.85	0
Q509	3.1	0	140.0	114.0	2.9	0
Q601	0.4	0	66.0	115.0	0	0
Q602	0	0	20.0	114.0	0	0
Q651	0	0	4.75	5.0	0	0
Q831	10.0	0.2	14.9	14.0	9.4	0

	G		D		S	
REF NO.	STANDARD	STANDBY	STANDARD	STANDBY	STANDARD	STANDBY
Q2	5.0	0	0	5.0	0	0
Q4	0	4.9	9.0	0	0	0
Q5	4.9	4.9	0	0	0	0
Q202	8.8	0.3	0	0	0	0
Q203	0	0	9.0	0	0	0
Q205	4.9	0	0	0	0	0
Q303	0	0	9.0	0	0	0
Q402	0	2.4	0.7	0	0	0
Q458	0	2.5	5.4	0	0	0
Q460	0	2.5	0.3	0	0	0
Q801	0	5.0	16.0	0.2	0	0
Q830	0	5.0	10.0	0.3	0	0

	STANDARD (1)	STANDBY (1)	STANDARD (2)	STANDBY (2)	STANDARD (3)	STANDBY (3)
Q803	114.4	115	76.2	60.0	0	0

LINE IN: 1 Vp-p PAL COLOR BAR
TUNER: 224.25 MHz PAL COLOR BAR (60 dBμ)

IC1, TMP87CP38N-1B47

PIN NO.	LINE IN	TUNER	STANDBY
1	0	0	0
2	4.9	4.9	0
3	4.9	4.9	-
4	0	0	-
5~6	4.9	4.9	-
7	4.9	4.9	0.3
8	4.9	4.9	0.35
9	0.8	1.16	2.17
10~12	4.9	4.9	4.9
13	4.5	4.2	0
14	4.9	4.9	4.9
15	0	0	0
16	2.46	2.4	2.46
17	2.46	2.9	0
18	4.9	4.9	0
19	0	0	0
20	-	-	0
21~25	0	0	0
26	4.1	4.1	4.9
27	4.7	4.7	4.9
28~29	4.9	4.9	4.9
30	0	0	0
31	2.1	2.1	2.1
32	2.4	2.4	2.4
33	4.9	4.9	4.9
34	0	0	2.5
35	0	0	2.9
36~39	4.9	4.9	4.9
40	0	4.8	4.9
41	0	0	0.1
42	4.9	4.9	4.9

IC2, M51943BSL-700A

PIN NO.	LINE IN	TUNER	STANDBY
1	4.9	4.9	4.9
2	0	0	0
3	4.9	4.9	4.9

IC3, GP1U281Y

PIN NO.	LINE IN	TUNER	STANDBY
1~2	4.9	4.9	4.9
3	0	0	0

IC4, SLA24C04-D

PIN NO.	LINE IN	TUNER	STANDBY
1~4	0	0	0
5~6	4.9	4.9	4.9
7	0	0	0
8	4.9	4.9	4.9

IC201, BU4052BC

PIN NO.	LINE IN	TUNER	STANDBY
1	4.4	2.9	0
2	3.1	2.1	0
3	2.4	1.6	0
4~5	4.5	3.0	0
6~8	0	0	0
9	9.0	8.9	0
10	0	0	0
11~15	-	-	0
16	9.0	9.0	0

IC301, TB1240AN

PIN NO.	INPUT PAL CB	INPUT NTSC CB	INPUT SECAM CB	TUNER	STANDBY
1	2.4	2.4	2.4	2.55	0
2	4.2	4.2	4.2	4.2	-
3	8.6	8.6	8.6	8.6	0
4~5	0	0	0	0	0
6	0.7	0.5	0.6	0.6	-
7	2.0	2.0	2.0	2.0	0
8	7.0	7.0	7.0	7.0	0
9	7.6	7.6	7.6	4.6	0.29
10	2.4	2.4	2.0	2.4	0.28
11	3.4	3.4	3.4	3.3	0.2
12~13	0	0	0	0	0
14	2.7	2.7	2.7	2.7	0.2
15~16	2.7	2.7	2.7	2.7	0.25
17	8.8	8.8	8.8	8.8	0
18	2.5	2.7	2.4	2.4	0
19	2.4	2.6	2.3	2.3	0
20	2.3	2.4	2.2	5.9	0
21	6.0	6.0	6.0	6.0	0
22	4.1	4.1	4.1	4.1	0.27
23	4.7	4.7	4.7	4.7	0
24	0.8	0.8	0.8	0.8	0
25	1.6	1.7	1.7	1.6	0.27
26	4.8	4.8	4.8	4.7	4.9
27	4.8	4.8	4.8	4.8	4.9
28	9.2	9.2	9.2	9.2	0
29	3.4	3.4	1.5	3.4	0.2
30	0.7	0.7	0.7	0.7	0
31	4.6	4.6	4.6	4.6	0
32	2.1	2.1	2.1	2.1	0
33	0	0	0	0	0
34	1.2	1.2	1.2	1.2	0
35	3.5	3.5	3.5	3.5	0
36	4.8	4.8	4.8	4.8	0
37	2.5	2.5	2.5	2.5	0
38	2.5	2.5	2.5	2.5	-0.2
39	2.8	2.8	2.8	2.8	0
40	7.2	7.2	7.1	7.2	0
41	0.4	0.4	0.4	0.45	0
42	0	0	0	0	0.1
43	2.8	2.8	2.8	2.9	0

PIN NO.	INPUT PAL CB	INPUT NTSC CB	INPUT SECAM CB	TUNER	STANDBY
44	1.7	1.7	1.7	1.7	0
45	0	0	0	0	0
46	4.9	4.9	4.9	4.9	0
47	5.4	5.4	5.4	3.6	0.27
48	4.55	4.55	4.6	3.9	0
49	0	0	0	0	0
50~51	7.8	7.8	7.8	7.8	0
52	8.6	8.6	8.6	8.6	0
53	4.6	4.6	4.6	4.6	0
54	5.6	5.6	5.6	5.6	0.3
55	3.5	3.5	3.5	3.5	0
56	4.6	4.6	4.6	4.6	-

IC302, TA1275AZ

PIN NO.	LINE IN	TUNER/P	TUNER/S	STANDBY
1	2.8	2.6	2.6	-
2	2.0	2.0	2.0	0
3	2.6	2.4	2.4	0
4	2.5	2.5	2.5	0
5	2.6	2.5	2.4	-
6	2.5	2.5	2.5	0
7	2.0	2.0	4.3	-
8	2.6	2.6	2.6	0
9	4.9	4.9	4.9	0
10	2.6	2.6	2.6	0
11	0	0	0	0
12	2.7	2.8	2.7	0.2
13	4.3	4.3	4.3	0
14	2.4	2.4	2.5	0.2
15	2.8	2.5	2.5	0.2
16	4.9	4.9	4.9	0
17	0.7	0.7	0.7	0
18	4.9	4.9	4.9	0
19	2.7	2.7	2.7	0
20	4.9	4.9	4.9	0
21	1.6	1.6	1.5	-

IC303, KIA7805PI

PIN NO.	LINE IN	TUNER	STANDBY
1	9.0	9.0	0
2	0	0	0
3	5.0	5.0	0

IC401, TDA7056B

PIN NO.	LINE IN	TUNER	STANDBY
1	-	-	-
2	16.7	16.7	14.0
3	2.4	2.4	2.4
4	0	0	0
5	0.7	0.7	0
6	7.9	7.9	6.7
7	0	0	0
8	7.9	7.9	6.7
9	-	-	-

IC402, BU4052BC

PIN NO.	LINE IN	TUNER	STANDBY
1	2.9	2.5	0
2	3.1	3.1	0
3	3.0	2.4	0
4~5	3.2	3.2	0
6~8	0	0	0
9	9.0	0	0
10	0	0	0
11	3.2	3.2	0
12~15	3.2	3.1	0
16	9.0	9.0	0

IC651, LA7832

PIN NO.	LINE IN	TUNER	STANDBY
1	0	0	0
2	12.5	12.7	0
3	25.2	25.2	-
4	0.8	0.8	0
5	0.8	0.8	-
6	25.0	25.0	0
7	1.5	1.5	0

IC801, STR-S6707

PIN NO.	LINE IN	TUNER	STANDBY
1	299.0	295.0	290.0
2	0	0	0
3	-0.17	-0.16	-0.4
4	0.4	0.43	0
5	0.9	0.98	0
6	0	0	0
7	0.2	0.2	0.16
8	0.94	0.9	0
9	7.7	7.8	6.9
* Voltmeter GND connected to HOT GND.			

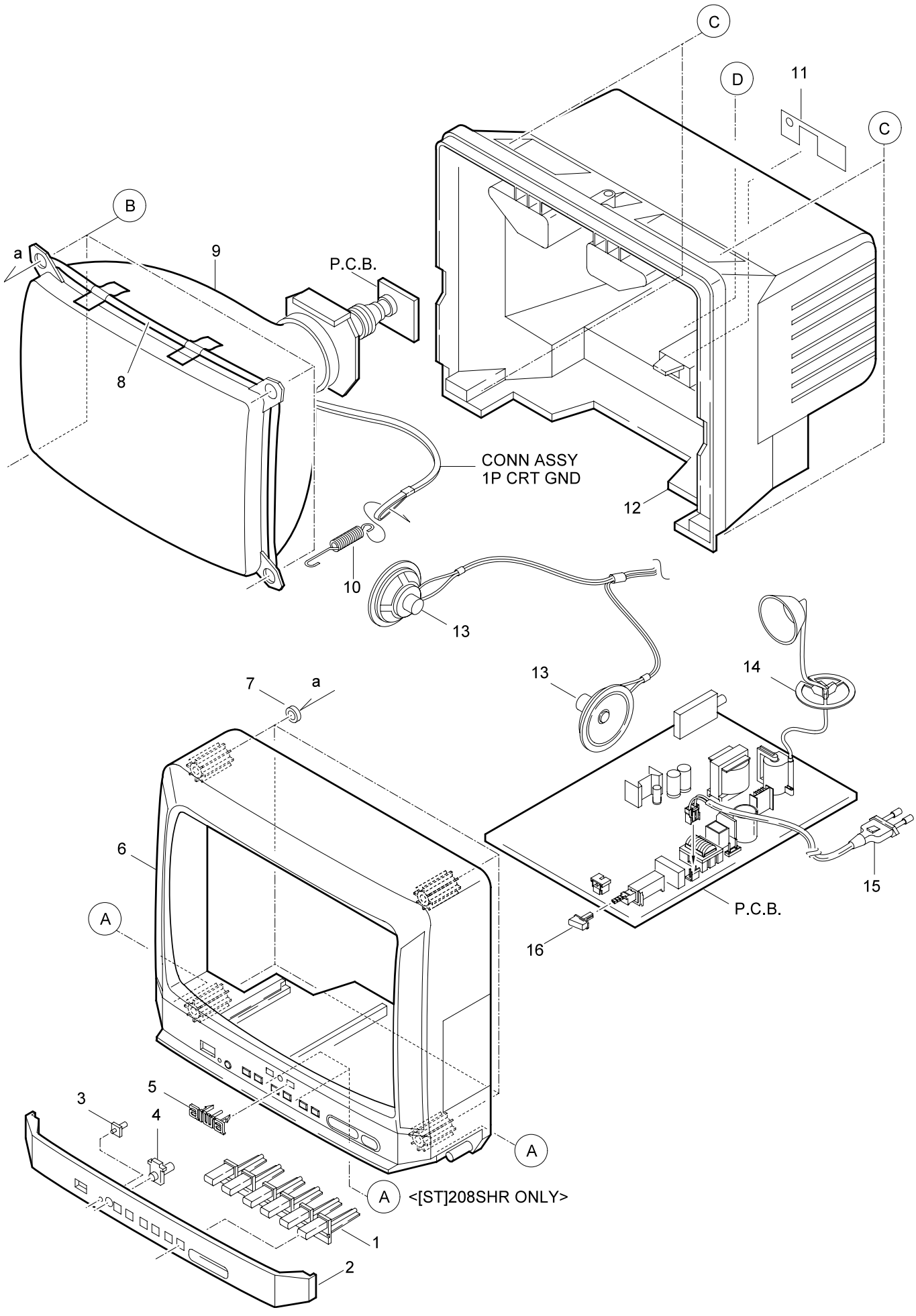
IC804, KIA7809PI

PIN NO.	LINE IN	TUNER	STANDBY
1	12.2	12.2	0.9
2	0	0	0
3	9.0	9.0	0

IC806, NJM78L05A

PIN NO.	LINE IN	TUNER	STANDBY
1	5.0	5.0	5.0
2	0	0	0
3	16.7	16.7	14.0

MECHANICAL EXPLODED VIEW 1 / 1



MECHANICAL EXPLODED PARTS LIST 1 / 1

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	8Z-JBV-005-010		KEY,MAIN<EXCEPT 208>
1	8Z-JBT-005-010		KEY,MAIN<208>
2	8Z-JB8-002-210		PANEL,FR C143KER<[L]143KER,[L]143KE>
2	8Z-JB8-010-210		PANEL,FR C148SHR<EXCEPT [L]143KER,[L]143KE,208>
2	8Z-JB6-009-210		PANEL,FR C208SHR<208>
3	8Z-JBV-008-010		LENS,LED<EXCEPT 208>
3	8Z-JBT-008-010		LENS,LED<208>
4	8Z-JBV-009-010		LENS,RC<EXCEPT 208>
4	8Z-JBT-009-010		LENS,RC<208>
5	87-054-087-010		BADGE,AIWA 40<EXCEPT 208>
5	87-054-086-010		BADGE,AIWA 52.5<208>
6	8Z-JB8-001-110		CABI,FR 2SP<[ST]148SHR>
6	8Z-JB8-016-010		CABI,FR 2SP BL<EXCEPT [ST]148SHR,208>
6	8Z-JB6-001-010		CABI,FR 2SP<208>
7	8Z-JBS-205-010		W-G,10-20-2
⚠ 8	8Z-JB8-640-010		DGC,14 90HM VRK<EXCEPT 208>
⚠ 8	8Z-JB6-625-010		DGC,20 15OHM VRK<208>
⚠ 9	86-LB7-606-010		CRT,A34AGT 13X79N<[ST]148SHR,[L]143KER>
⚠ 9	87-JBT-625-010		CRT,A34JFQ 91X08(VW)<[L]148SHRJ>
⚠ 9	86-LB7-608-010		CRT,A34JXV70X10N00<[L]143KE,[L]148SHR>
⚠ 9	87-JB9-602-010		CRT,A48AGY13X67N<208>
10	84-LB3-205-010		SPR-E,EARTH
11	8Z-JB8-005-010		PLATE,REAR 4HL
12	8Z-JB8-004-010		CABI,REAR 4HL<EXCEPT 208>
12	8Z-JB6-004-010		CABI,REAR 4HL<208>
13	8Z-JBV-641-010		SPKR,F 80 8OHM 2W
14	87-A90-848-010		HLDR,HV CABLE DIT<EXCEPT [L]143KE>
⚠ 15	8Z-JB6-695-010		AC CORD SET,KE BLK
16	8Z-JBV-007-110		BTN,POWER 2<EXCEPT 208>
16	8Z-JBT-007-110		BTN,POWER 2<208>
A	87-067-680-010		BVI T3+3-10
B	87-078-203-110		S-SCREW,W5-25<EXCEPT 208>
B	86-LBB-206-010		S-SCREW,ASSY TV5-40 W20<208>
C	87-067-844-010		BVT2+4-16 BLK
D	87-067-761-010		TAPPING SCREW, BVT2+3-10

COLOR NAME TABLE

Basic color symbol	Color	Basic color symbol	Color	Basic color symbol	Color
B	Black	C	Cream	D	Orange
G	Green	H	Gray	L	Blue
LT	Transparent Blue	N	Gold	P	Pink
R	Red	S	Silver	ST	Titan Silver
T	Brown	V	Violet	W	White
WT	Transparent White	Y	Yellow	YT	Transparent Yellow
LM	Metallic Blue	LL	Light Blue	GT	Transparent Green
LD	Dark Blue	DT	Transparent Orange	GM	Metallic Green
YM	Metallic Yellow	DM	Metallic Orange		

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