

SONY

TRINITRON® COLOR TV

KV-X2501K / RM-833

KV-X2901K / RM-833

BASIC SCHEMATIC DIAGRAM

Chassis No. : SCC-G86B-A

Chassis No. : SCC-G86A-A

NOTE

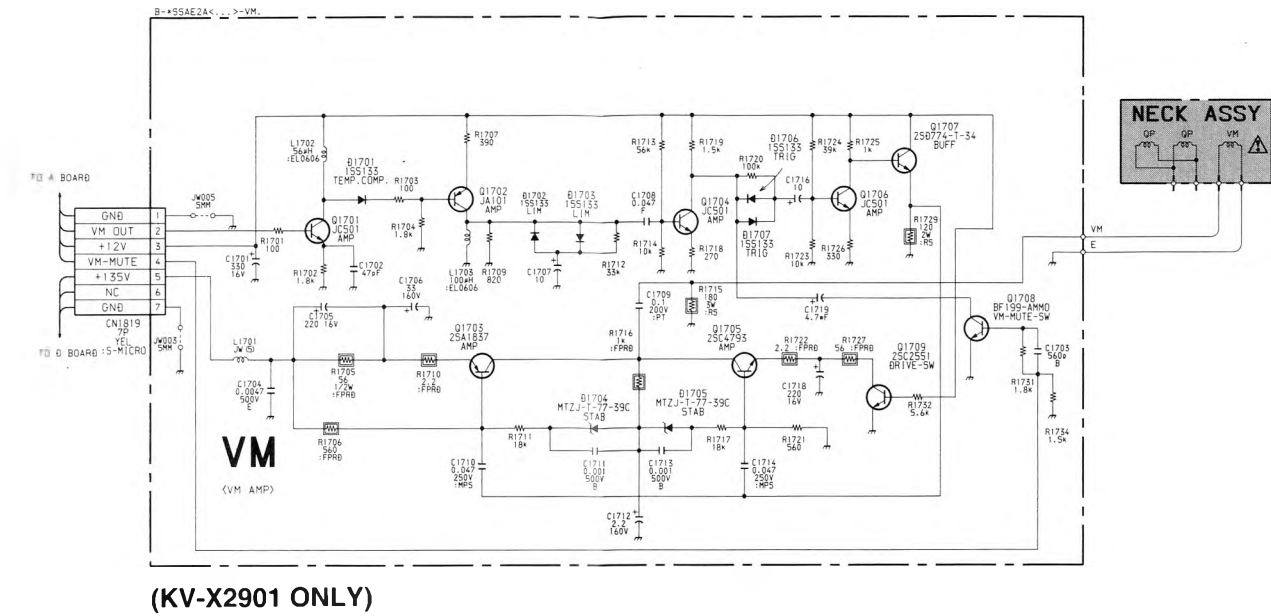
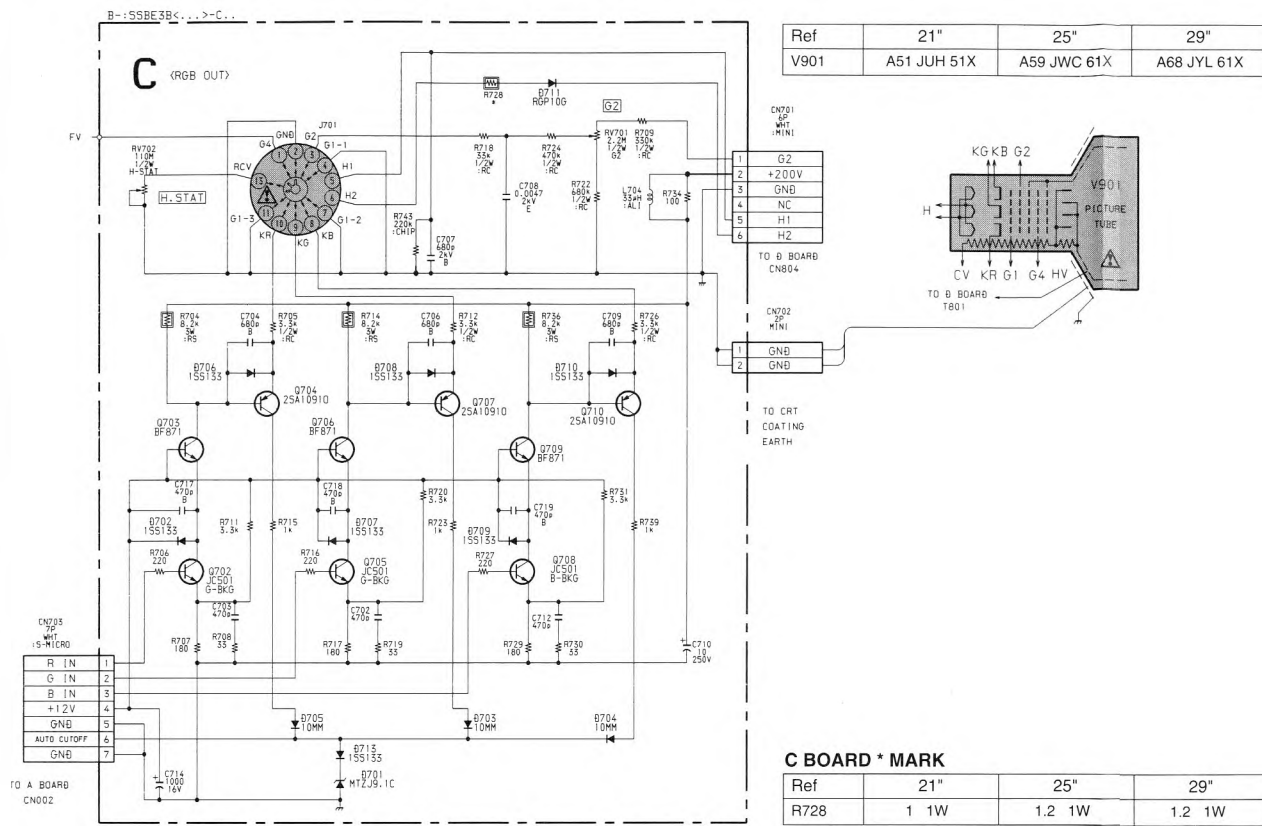
THIS SCHEMATIC DIAGRAM IS FOR USE BY YOUR SERVICE TECHNICIAN.
KEEP THIS DIAGRAM HANDY FOR FUTURE REFERENCE.

4-202-727-01

Sony Corporation
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BE-3 CHASSIS

SCHEMATIC DIAGRAMS



WARNING !!
AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS. THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE

SAFETY RELATED COMPONENT WARNING !!
COMPONENTS IDENTIFIED BY SHADING AND MARKED WITH ! ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

Note :
• All capacitors are in μ F unless otherwise noted. μ F: μ F, 50WV or less are not indicated except for electrolytic and tantalums.
• All resistors are in ohms.
• k = 1000, M = 1000K
• Indication of resistance, which does not have one for rating electrical power, is as follows.

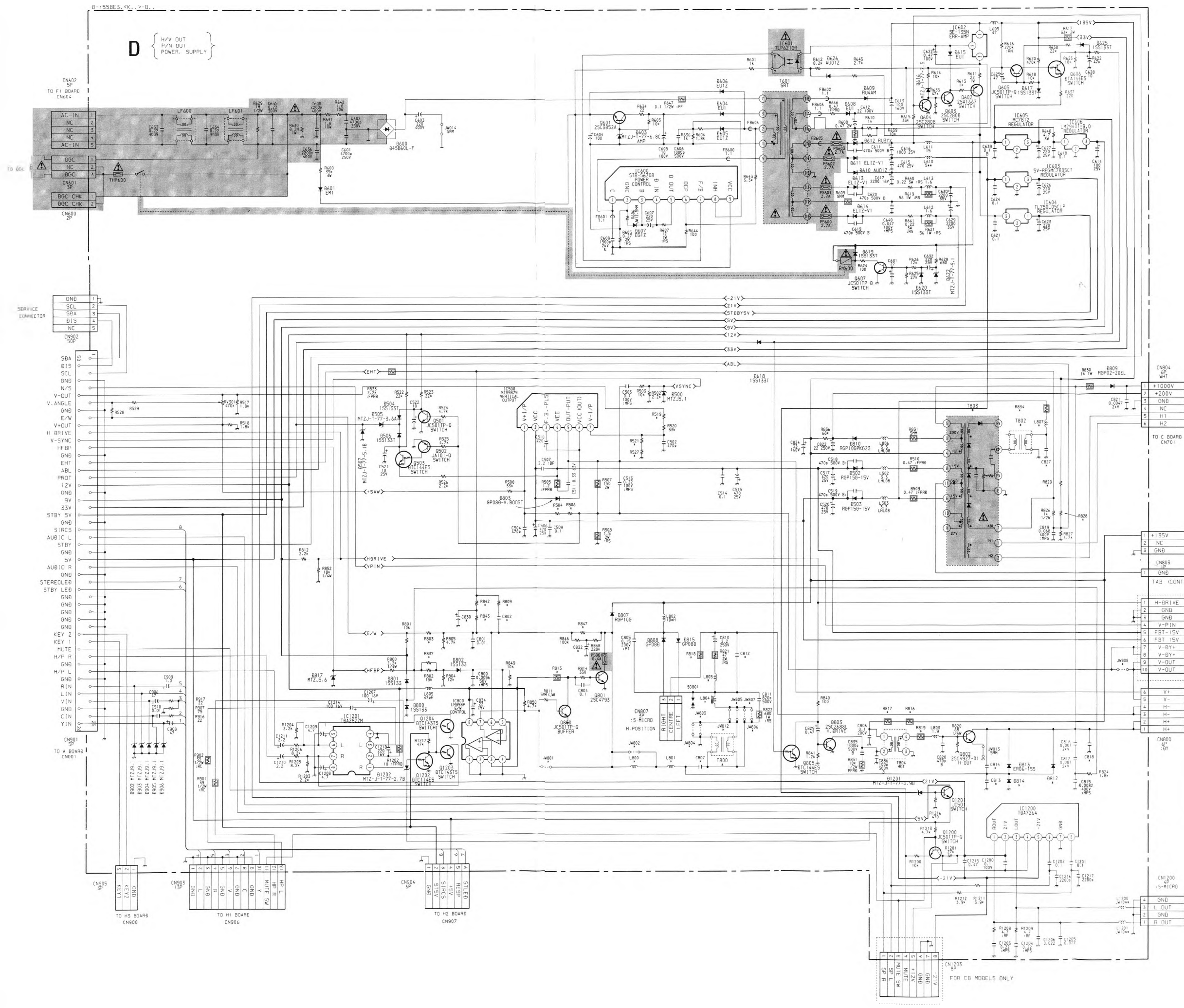
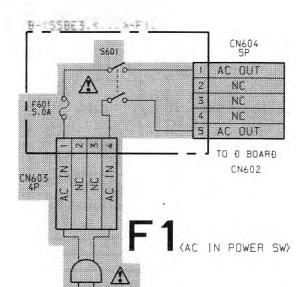
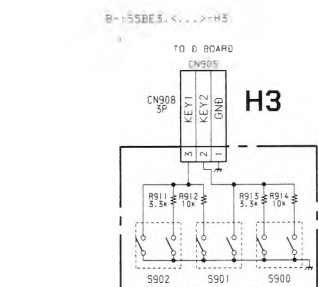
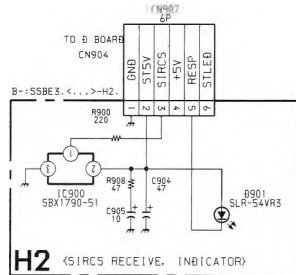
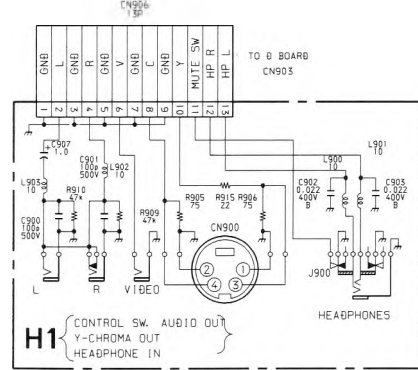
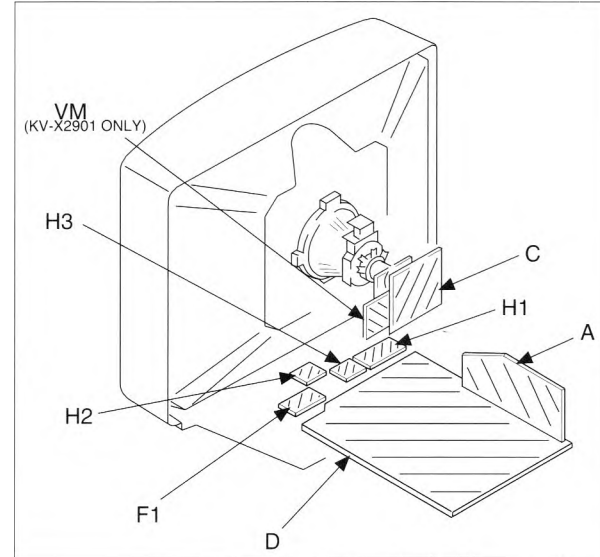
Pitch: 5mm
Rating electrical power: 1/4W

• Chip resistor is in 1/10W
• Nonflammable resistor
• Internal component

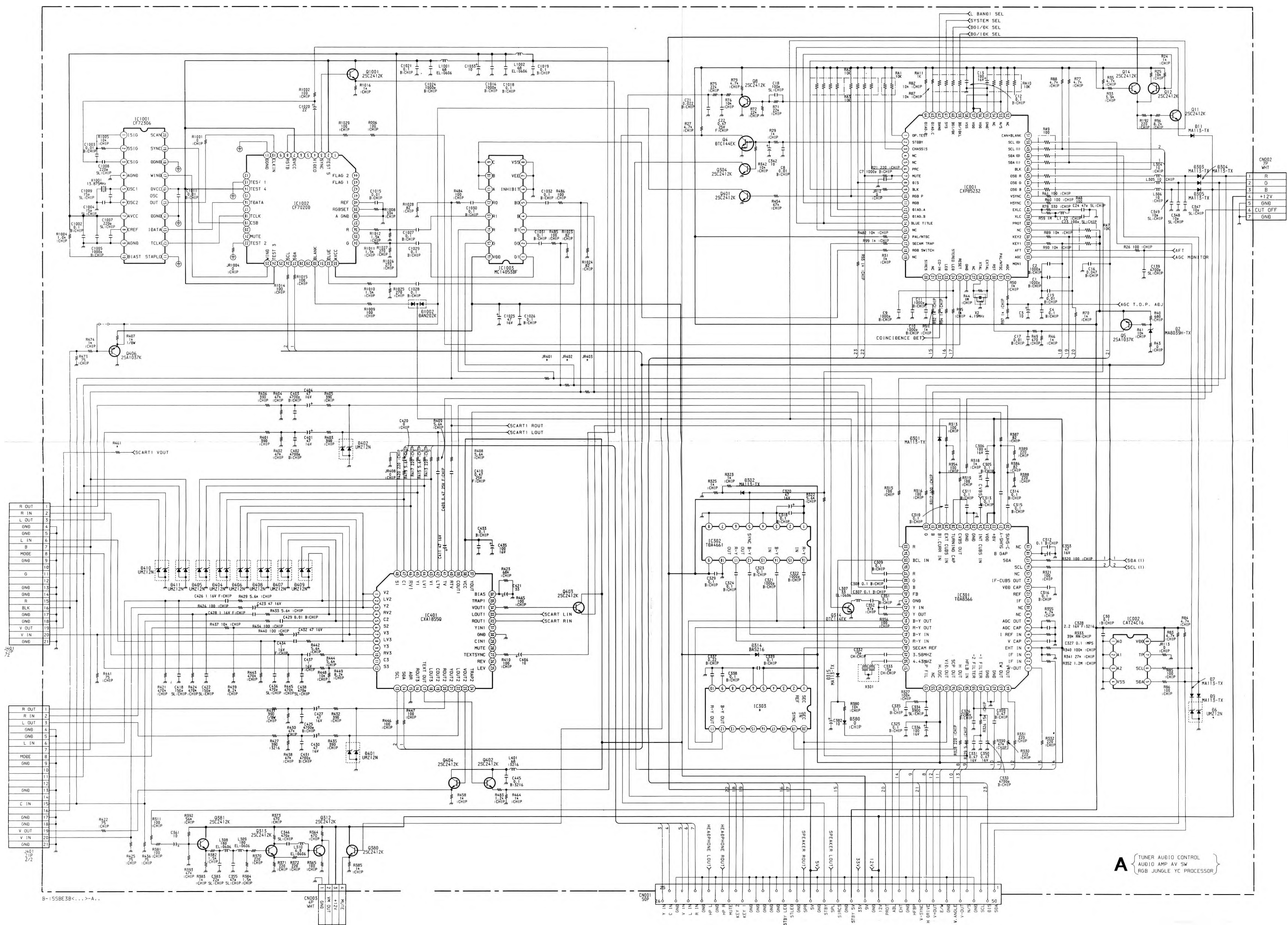
Reference information
RESISTOR : RN METAL FILM
: RC SOLID
: PRD NONFLAMMABLE CARBON
: FUSE NONFLAMMABLE FUSIBLE
: RS NONFLAMMABLE METAL OXIDE
: RB NONFLAMMABLE CEMENT
: RW NONFLAMMABLE WIREWOUND
: ADJUSTABLE RESISTOR
: LF-8L MICRO INDUCTOR
COIL : LF-8L MICRO INDUCTOR
CAPACITOR : TA TANTALUM
: PS STYROL
: PP POLYPROPYLENE
: PT MYLAR
: MPS METALIZED POLYESTER
: MPP METALIZED POLYPROPYLENE
: ALB BIPOLAR
: ALT HIGH TEMPERATURE
: ALR HIGH RIPPURE

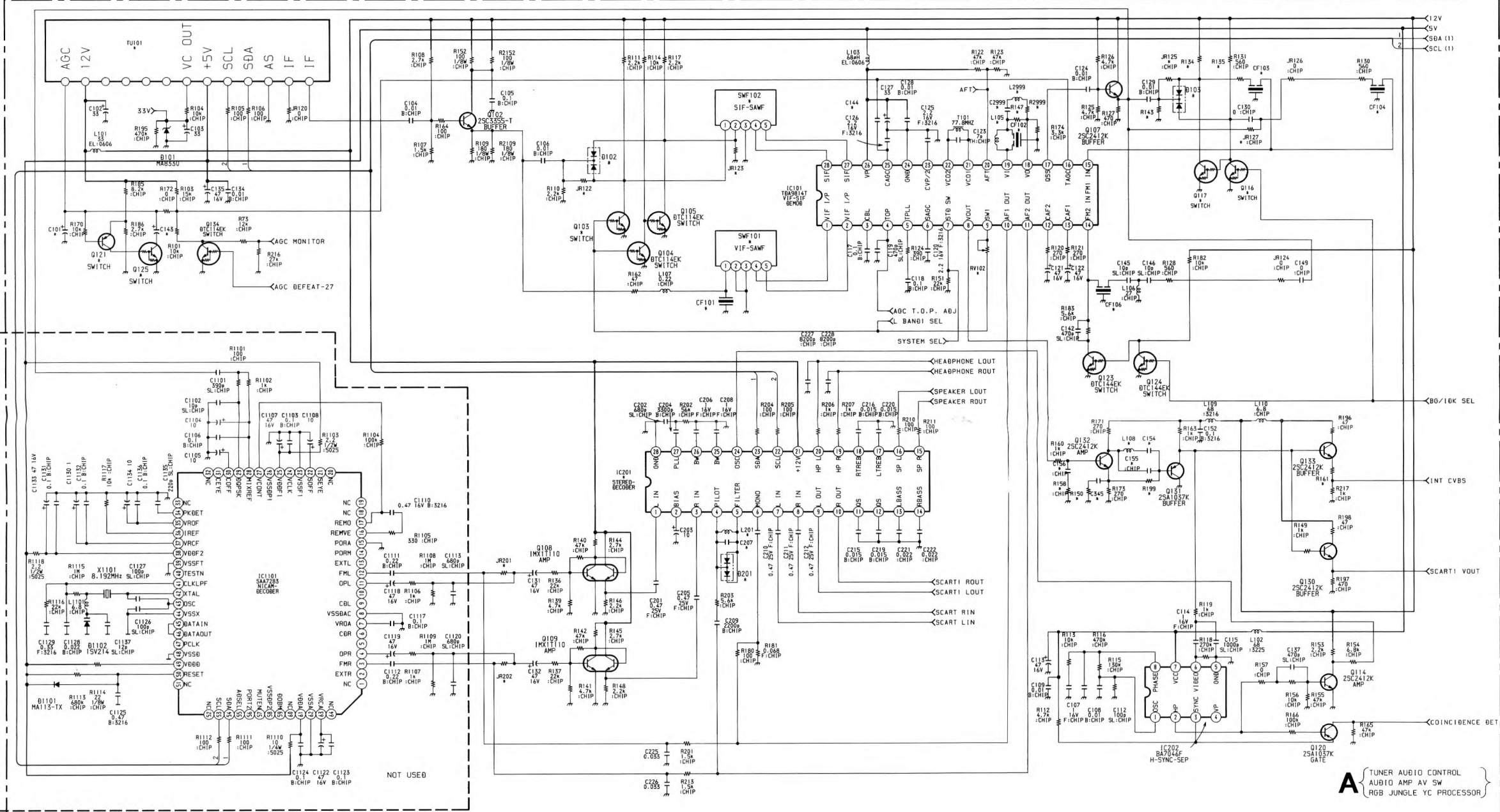
Note : The components identified by shading and marked ! are critical for safety. Replace only with part number specified

CIRCUIT BOARD LOCATION



D BOARD * MARK		
Ref	25"	29"
C807	1mF 200V	0.82mF 200V
C812	2.4mF 200V	1.4mF 200V
C813	0.039mF 630V	0.047mF 630V
C814	0.015mF 1.4kV	0.017mF 1.4kV
C830	0.1mF	4.7mF
C832	0.33mF	1mF
D812	ERC0-15S	ERC06-15S
D814	ERD29-08J	ERD29-08J
JW802	10MM	-
JW803	5MM	-
JW804	5MM	-
JW805	-	5MM
JW806	5MM	-
JW807	-	5MM
JW812	5MM	-
L800	-	3.9mmH
L801	CD1	CD1
L805	3.3mmH	2.2mmH
R504	56K	39K
R506	470	12K
R521	39K	47K
R527	15K	2.4K
R803	5.6K	3.3K
R813	1K 1W	470
R816	1.5K 3W	1.2K 3W
R817	1.5K 3W	1.2K 3W
R818	22 2W	22 2W
R819	0.47 1W	0.47 1W
R828	22K	6.8K
R837	10K	15K
R842	33K	100K
R843	1M	390K
R847	680K	330K
T800	PMC	PMT
T802	-	-
T803	FBT	FBT





A BOARD * MARK

Ref	OIRT
C101	22mF
C143	-
C144	-
C154	180pF
C155	47pF
C156	18pF
C207	0.0018mF 100V
CF101	EFCV4045A4
CF102	5.5mHz
CF103	5.5mHz
CF104	6.5mHz
CF106	5.75mHz
D102	-
D103	DAN202K
D201	DA204K
IC201	TDA8612
IC303	TDA8395T
JR122	0 CHIP
JR123	0 CHIP
JR125	-
JR127	-
JR201	0 CHIP
JR202	0 CHIP
JR401	-
JR402	-
JR403	-
L105	15μH
L108	15μH
L201	4.7mmH
Q103	-
Q116	DTC144EK
Q117	DTC144EK
Q121	-
Q125	-
R134	2.2K
R135	2.2K
R143	2.2K
R147	270
R158	12K
R199	330
RV102	-
SWF101	K3953M
SWF102	K9350M
TU101	UV-916H

TUNER AUDIO CONTROL
AUDIO AMP AV SW
RGB JUNGLE YC PROCESSOR