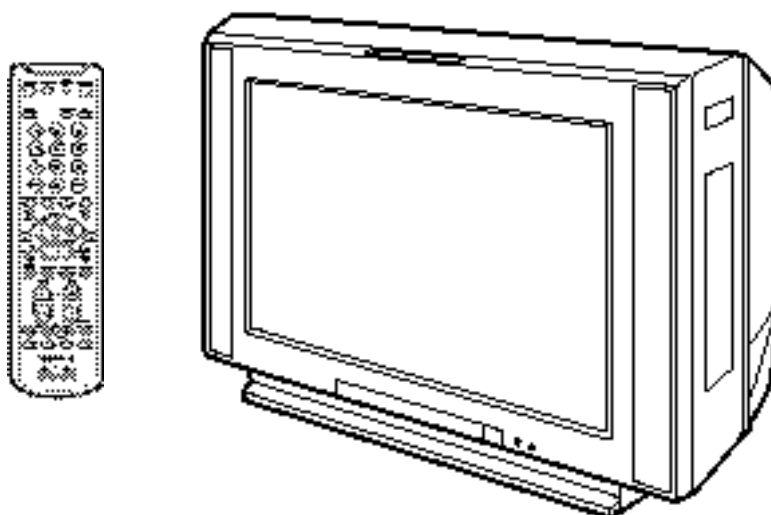


SERVICE MANUAL

BG-3S CHASSIS

<u>MODEL</u>	<u>COMMANDER</u>	<u>DEST.</u>	<u>CHASSIS NO.</u>	<u>MODEL</u>	<u>COMMANDER</u>	<u>DEST.</u>	<u>CHASSIS NO.</u>
KV-EF34N90	RM-913	TAIWAN	SCC-P13EA				



TRINITRON[®] COLOR TV
SONY.

SPECIFICATIONS

		Note
Power requirements	110 V AC, 50/60 Hz	
Power consumption (W)	Indicated on the rear of the TV	
Television system	M	
Color system	PAL, SECAM, NTSC4.43, NTSC3.58	
Stereo/Bilingual system	B/G	
	MTS	
	B/G	
Teletext Language	English, Chinese	
Channel coverage M	VHF: A2 to A13 / UHF: A14 to A69 CATV: A-6 to A-2, A to W+4, W+6 to W+29	
⌋ (Antenna)	75-ohm external terminal	
Audio output	15W + 15W	10% distortion
Number of terminal		
Ⓜ (Video)	Input: 4 Output: 1	Phono jacks; 1 V _{P-P} , 75 ohms
♪ (Audio)	Input: 4 Output: 1	Phono jacks; 500 mV _{rms}
Ⓜ (S Video)	Input: 2	Y : 1 V _{P-P} , 75 ohms, unbalanced, sync negative C : 0.286 V _{P-P} , 75 ohms
Ⓜ (Component Video)	Input: 1	Phono jacks; Y : 1.0 V _{P-P} , 75 ohms, sync negative C _B : 0.7 V _{P-P} , 75 ohms C _R : 0.7 V _{P-P} , 75 ohms Audio : 500 mV _{rms}
🎧 (Headphone)	Output: 1	Stereo minijack
Picture tube	34 inch	
Tube size (mm)	859 (Measured diagonally)	
Screen size (mm)	800 (Measured diagonally)	
Dimension (w/h/d, mm)	859 × 660.5 × 573.5	
Mass (kg)	83	

Design and specifications are subject to change without notice.

CAUTION

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK ⚠ 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.

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SELF DIAGNOSTIC FUNCTION

The units in this manual contain a self-diagnostic function. If an error occurs, the STANDBY/TIMER lamp will automatically begin to flash.

The number of times the lamp flashes translates to a probable source of the problem. A definition of the STANDBY/TIMER lamp flash indicators is listed in the instruction manual for the user's knowledge and reference. If an error symptom cannot be reproduced, the remote commander can be used to review the failure occurrence data stored in memory to reveal past problems and how often these problems occur.

1. DIAGNOSTIC TEST INDICATORS

When an errors occurs, the STANDBY/TIMER lamp will flash a set number of times to indicate the possible cause of the problem. If there is more than one error, the lamp will identify the first of the problem areas.

Result for all of the following diagnostic items are displayed on screen. No error has occurred if the screen displays a "0".

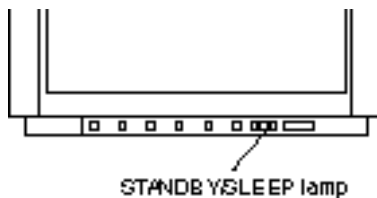
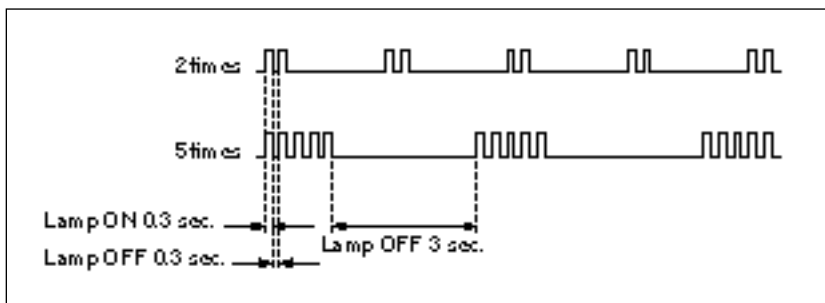
Diagnostic Item Description	No. of times STANDBY/TIMER lamp flashes	Self-diagnostic display/Diagnostic result	Probable Cause Location	Detected Symptoms
• Power does not turn on	Does not light	—	• Power cord is not plugged in. • Fuse is burned out F4601 (F Board)	• Power does not come on. • No power is supplied to the TV. • AC power supply is faulty.
• +B overcurrent (OCP) or overvoltage (OVP) • Vertical deflection stopped • Horizontal deflection overdrive	2 times	002:000 or 002:001~255 003:001~255 004:001~255 at the same time	• H.OUT Q511 is shorted. (A board) • IC701 is shorted. (C board) • -13V is not supplied. (A board) • IC 503 faulty (A board)	• Power does not come on. • Load on power line is shorted. • Has entered standby state after horizontal raster. • Vertical deflection pulse is stopped. • Power line is shorted or power supply is stopped.
• White balance failure (no PICTURE)	5 times	005:000 or 005:001~225	• G2 is improperly adjusted. (Note 2) • CRT problem. • Video OUT IC701 is faulty. (C board) • IC301 is faulty. (A board) • No connection A board to C board.	• No raster is generated. • CRT cathode current detection reference pulse output is small.
• Micro reset	—	101:00 or 101:001~225	• Discharge CRT (C Board) • Static discharge • External noise	• Power is shut down shortly, after this return back to normal. • Detect Micro latch up.

Note 1: If a + B overcurrent is detected, stoppage of the vertical deflection is detected simultaneously.

The symptom that is diagnosed first by the microcontroller is displayed on the screen.

Note 2: Refer to screen (G2) Adjustment in section 3-4 of this manual.

2. DISPLAY OF STANDBY/TIMER LIGHT FLASH COUNT



<u>Diagnostic Item</u>	<u>Flash Count*</u>
+B overcurrent/overvoltage Vertical deflection stopped	2 times
White balance failure	5 times

* One flash count is not used for self-diagnostic.

3. STOPPING THE STANDBY/TIMER FLASH

Turn off the power switch on the TV main unit or unplug the power cord from the outlet to stop the STANDBY/TIMER lamp from flashing.

4. SELF-DIAGNOSTIC SCREEN DISPLAY

For errors with symptoms such as “power sometimes shuts off” or “screen sometimes goes out” that cannot be confirmed, it is possible to bring up past occurrences of failure for confirmation on the screen:

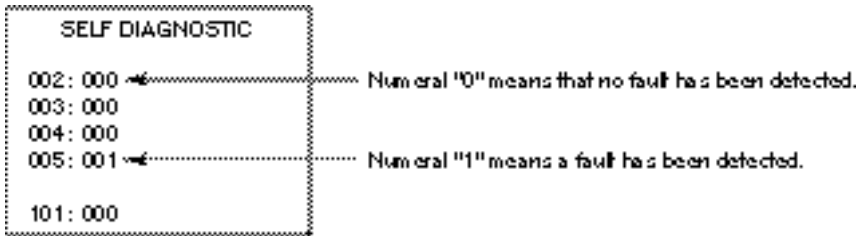
[To Bring Up Screen Test]

In standby mode, press buttons on the remote commander sequentially in rapid succession as shown below:

Screen display → channel [5] → Sound volume [−] → Power ON
↑

Note that this differs from entering the service mode (mode volume [+]).

Self-Diagnosis screen display



5. HANDLING OF SELF-DIAGNOSTIC SCREEN DISPLAY

Since the diagnostic results displayed on the screen are not automatically cleared, always check the self-diagnostic screen during repairs. When you have completed the repairs, clear the result display to “0”.

Unless the result display is cleared to “0”, the self-diagnostic function will not be able to detect subsequent faults after completion of the repairs.

[Clearing the result display]

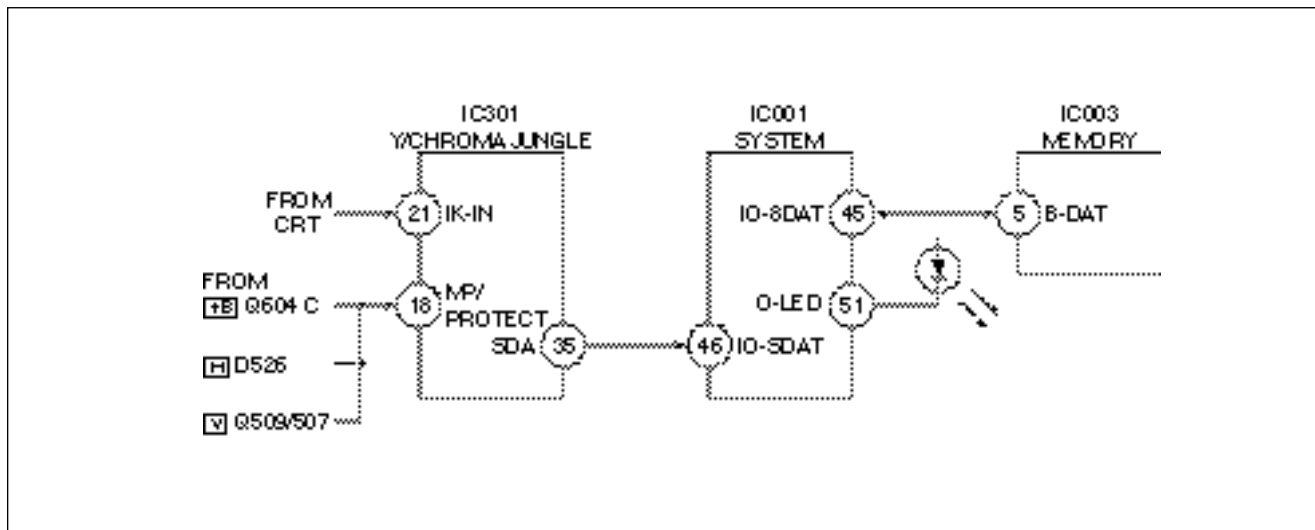
To clear the result display to “0”, press buttons on the remote commander sequentially as shown below when the diagnostic screen is being displayed.

Channel [8] → 0

[Quitting Self-diagnostic screen]

To quit the entire self-diagnostic screen, turn off the power switch on the remote commander or the main unit.

6. SELF-DIAGNOSTIC CIRCUIT

**+B overcurrent (OCP)**

Occurs when an overcurrent on the +B(135) line is detected by Q604 (A board). If Q604 (A board) go to ON and the voltage to pin 18 of IC301 (A board) should go down when V.SYNC is more than seven verticals in a period, the unit will automatically turn off.

Horizontal deflection overdrive

Occurs when an overdrive on H drive line is detected by D526 (A board). Power supply will be shut down when detect it.

Vertical deflection stopped

Occurs when an absence of the vertical deflection pulse is detected by Q509 (A board) and IC001 (A board) shut down the power supply.

Vertical deflection overcurrent

Occurs when an overcurrent on V drive line is detected by Q507 (A board). Power supply will be shut down when detect this by IC001 (A board).

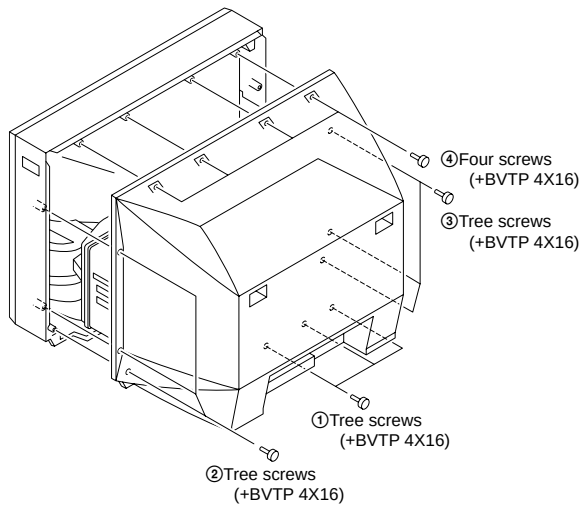
White balance failure

If the RGB levels* do not balance or become low level within 5 seconds, this error will be detected by IC301 (A board). TV will stay on, but there will be no picture.

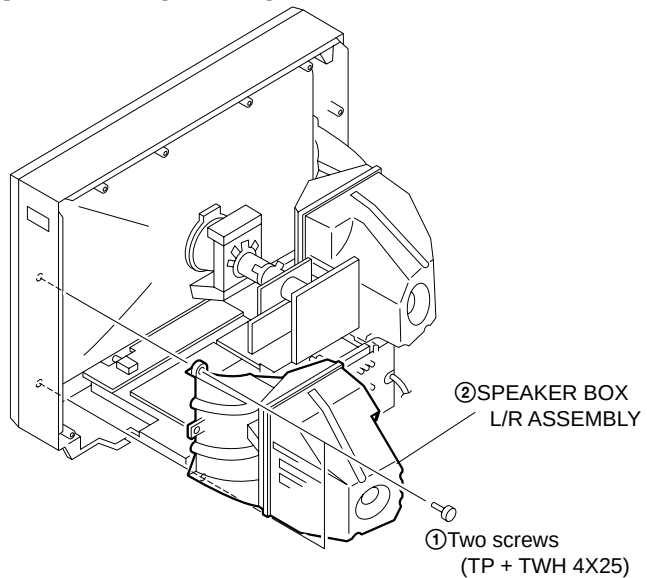
* (Refers to the RGB levels of the AKB detection Ref pulse that detects IK.)

SECTION 2 DISASSEMBLY

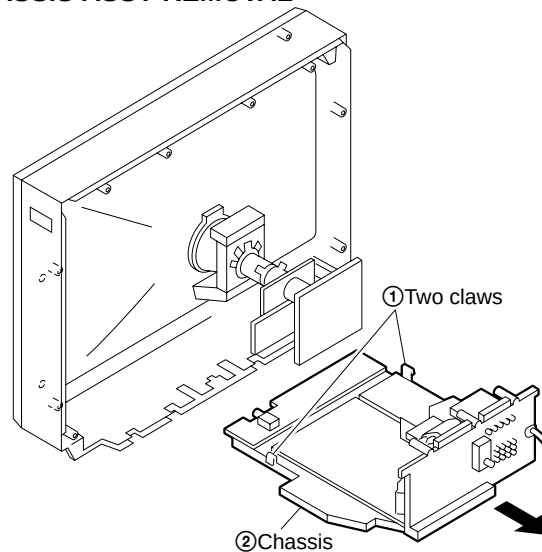
2-1. REAR COVER REMOVAL



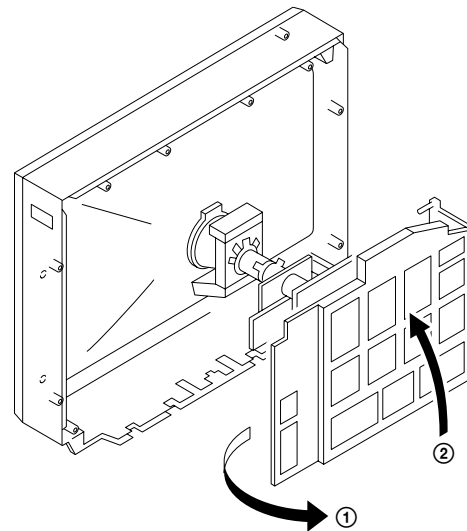
2-2. SPEAKER BOX REMOVAL



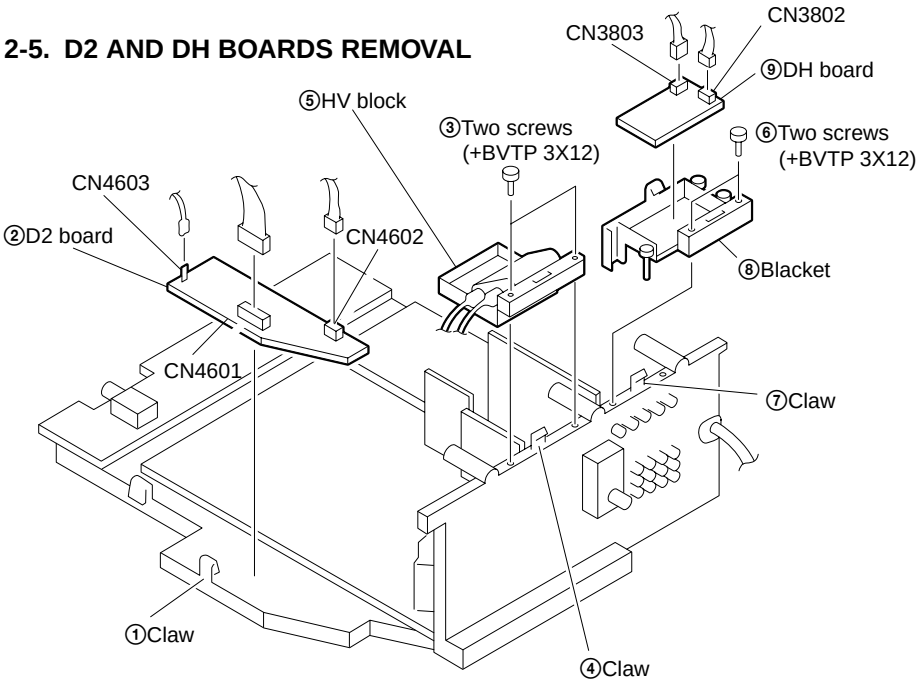
2-3. CHASSIS ASSY REMOVAL



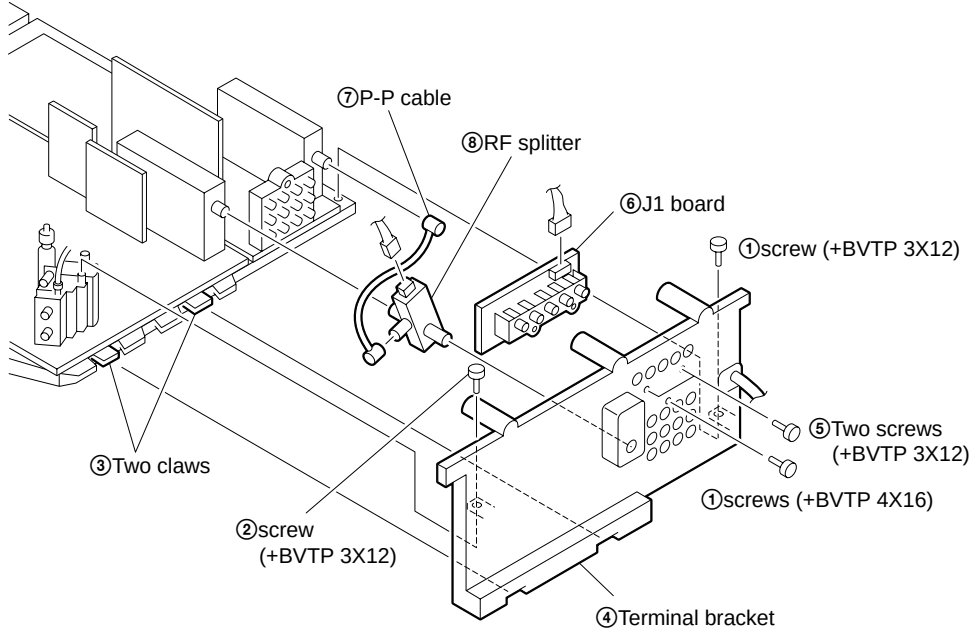
2-4. SERVICE POSITION



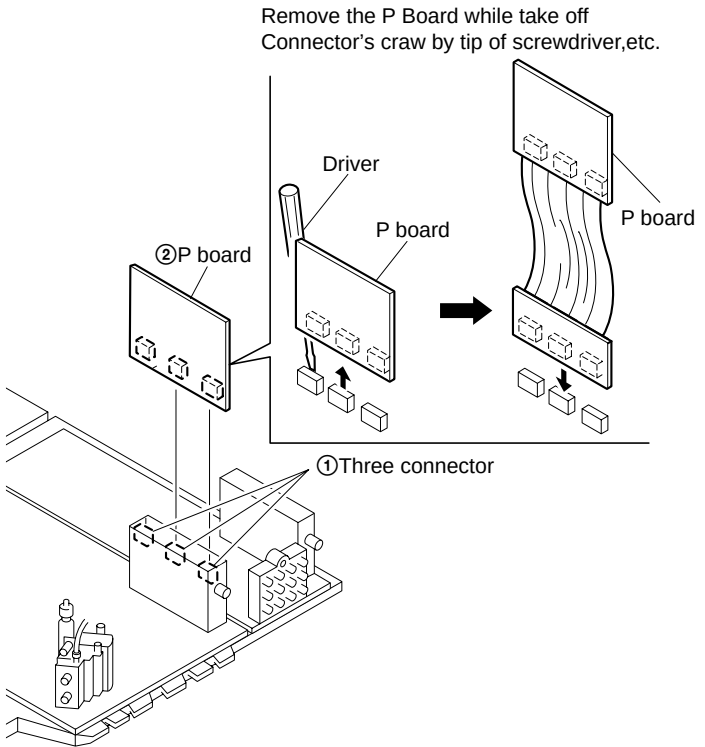
2-5. D2 AND DH BOARDS REMOVAL



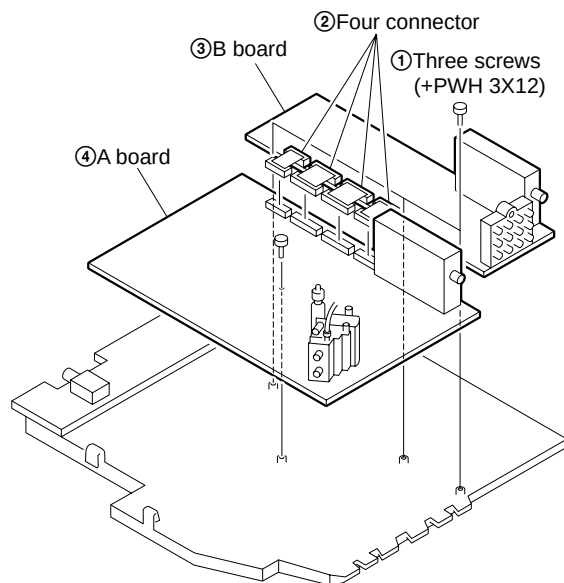
2-6. J1 BOARD AND RF SPLITTER REMOVAL



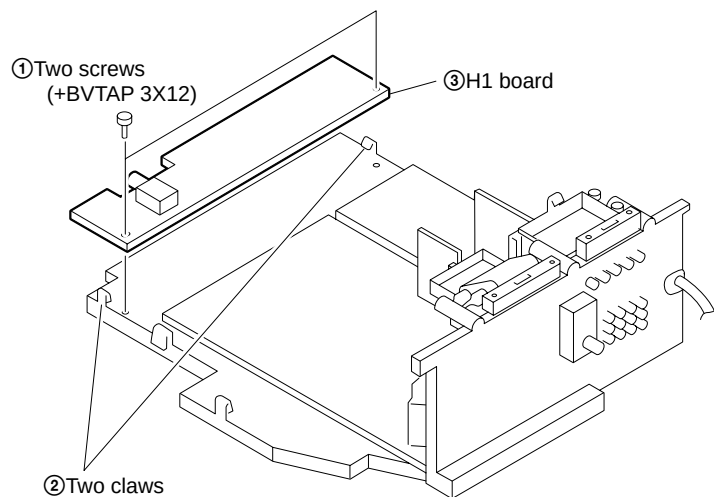
2-7. P BOARD REMOVAL



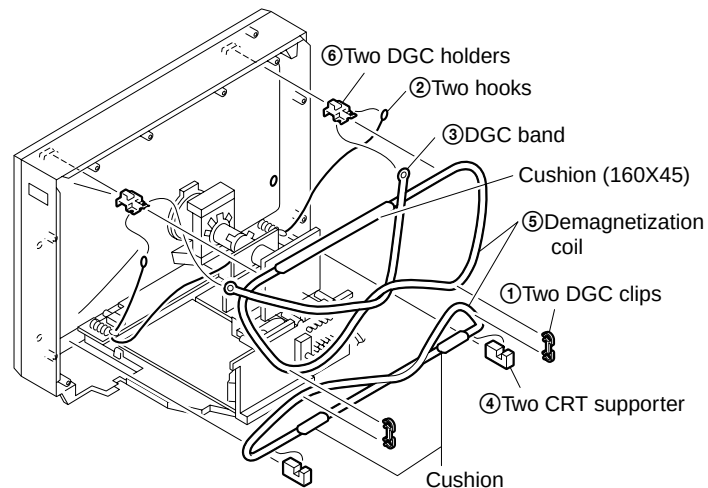
2-8. A AND B BOARDS REMOVAL



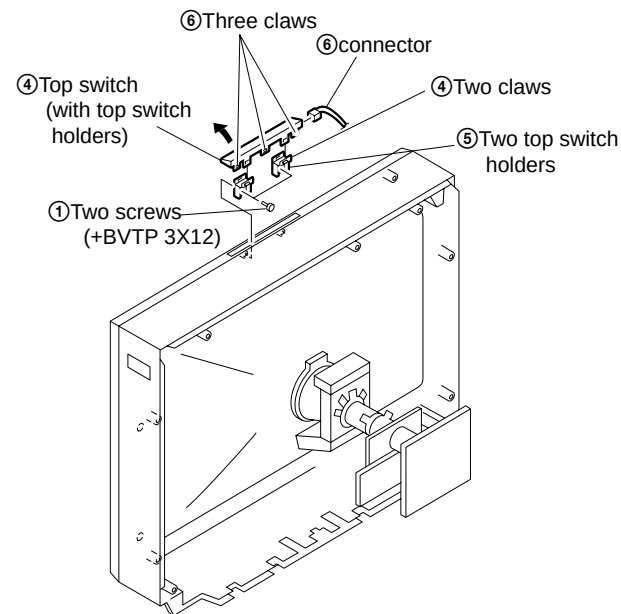
2-9. H1 BOARD REMOVAL



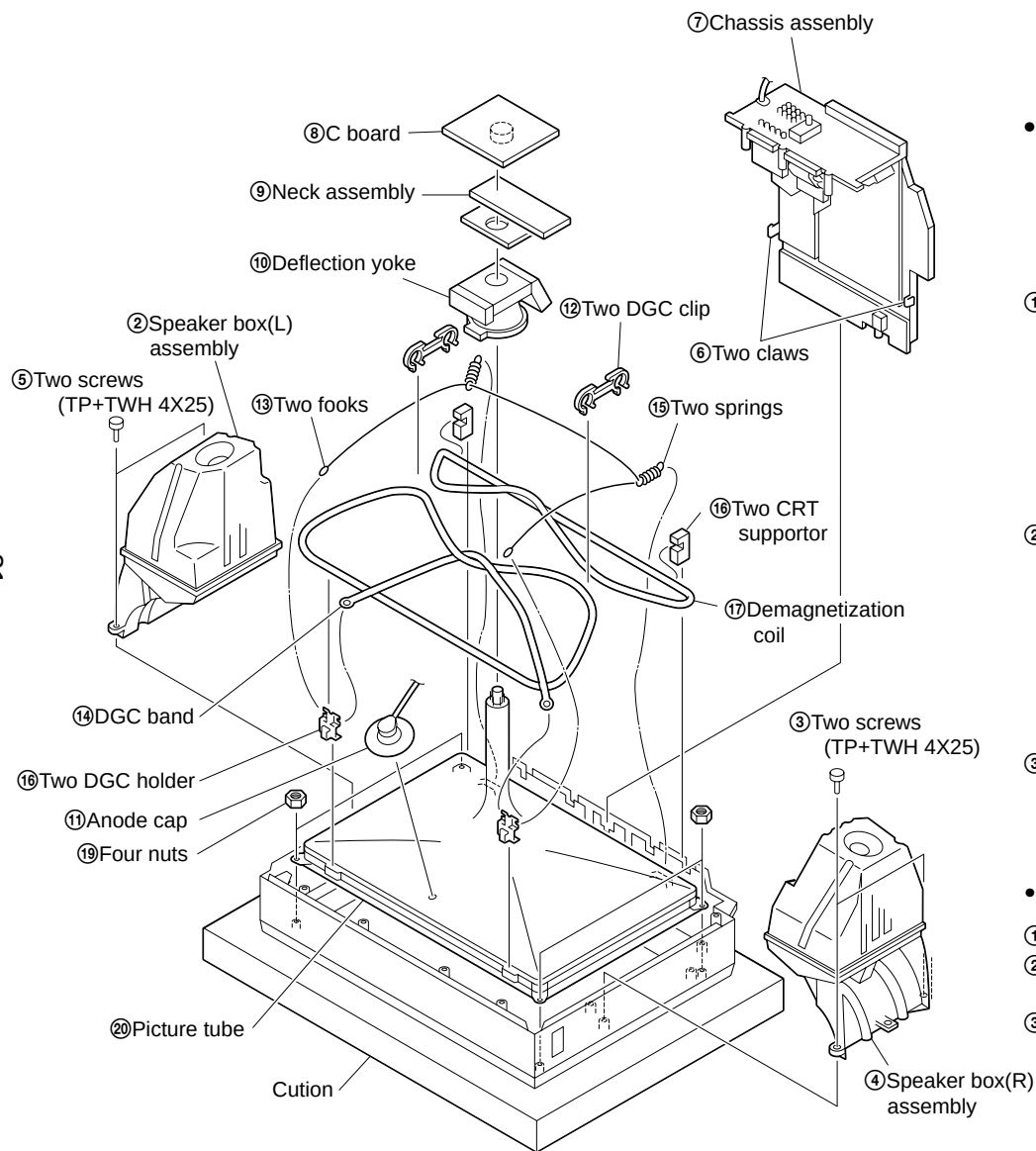
2-10. DEMAGNETIZATION COIL REMOVAL



2-11. TOP SWITCH REMOVAL



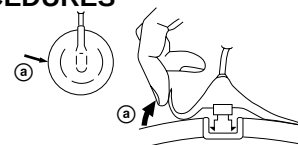
2-12. PICTURE TUBE REMOVAL



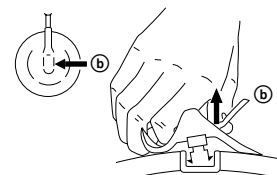
•REMOVAL OF ANODE-CAP

NOTE : After removing the anode, short circuit the anode of the picture tube and the anode cap to the metal chassis, CRT shield or carbon paint on the CRT.

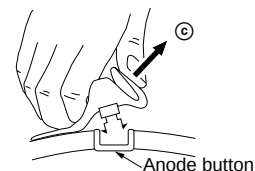
•REMOVING PROCEDURES



- ① Turn up one side of the rubber cap in the direction indicated by the arrow (a).



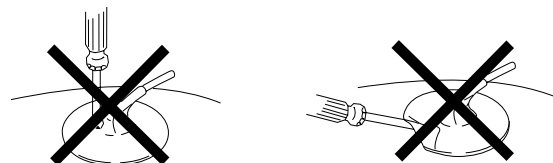
- ② Using a thumb pull up the rubber cap firmly in the direction indicated by the arrow (b).



- ③ When one side of the rubber cap is separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling it up in the direction of the arrow (c).

• HOW TO HANDLE AN ANODE-CAP

- ① Do not damage the surface of anode-caps with sharp shaped objects.
- ② Do not press the rubber too hard so as not to damage the inside of anode-cap. A metal fitting called the shatter-hook terminal is built into the rubber.
- ③ Do not turn the foot of rubber over too hard. The shatter-hook terminal will stick out or damage the rubber.



SECTION 3

SET-UP ADJUSTMENTS

- The following adjustments should be made when a complete realignment is required or a new picture tube is installed.
- These adjustments should be performed with rated power supply voltage unless otherwise noted.

Controls and switches should be set as follows unless otherwise noted:

PICTURE control normal

BRIGHTNESS control normal

Perform the adjustments in the following order :

1. Beam Landing
2. Convergence
3. Focus
4. White Balance

Note : Test Equipment Required.

1. Color-bar/Pattern Generator
2. Degausser
3. Oscilloscope

Preparation :

- In order to reduce the influence of geomagnetism on the set's picture tube, face it east or west.
- Switch on the set's power and degauss with the degausser.

3-1. BEAM LANDING

1. Input a white signal with the pattern generator.

Contrast } normal
Brightness }

2. Position neck assy as shown in Fig3-1.
3. Set the pattern generator raster signal to a green raster.
4. Move the deflection yoke to the rear and adjust with the purity control so that the green is at the center and the blue and the red take up equally sized areas on each side.
(See Figures 3-1 through 3-3.)
5. Move the deflection yoke forward and adjust so that the entire screen is green. (See Figure 3-2.)
6. Switch the raster signal to blue, then to green and verify the condition.
7. When the position of the deflection yoke has been decided, fasten the deflection yoke with the screws and DY spacers.
8. If the beam does not land correctly in all the corners, use a magnet to adjust it.
(See Figure 3-4.)

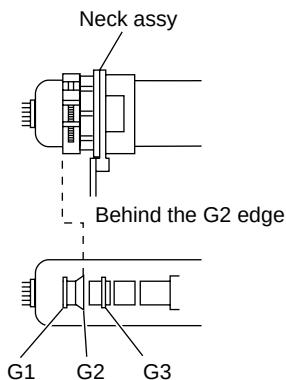


Fig. 3-1

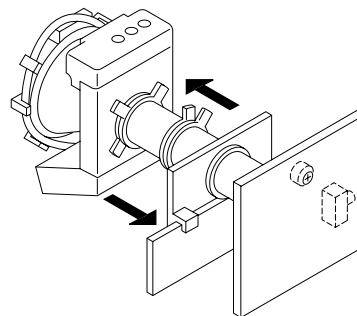


Fig. 3-2

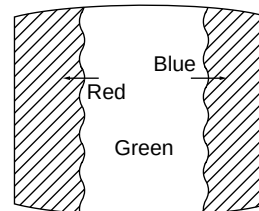


Fig. 3-3

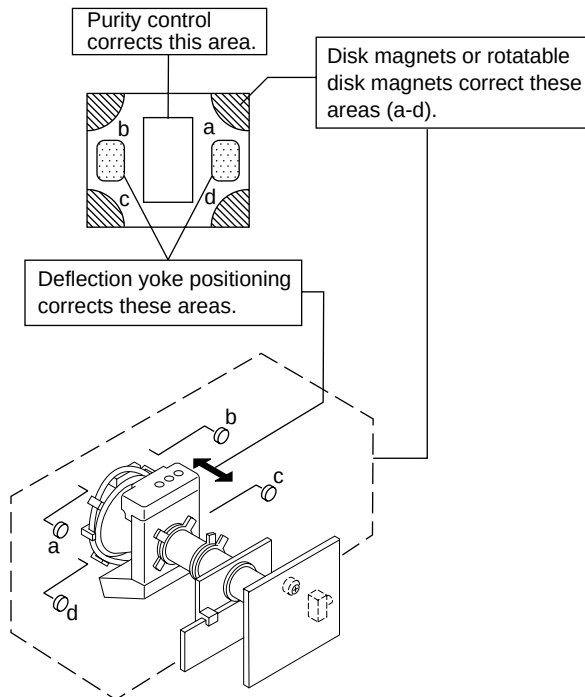


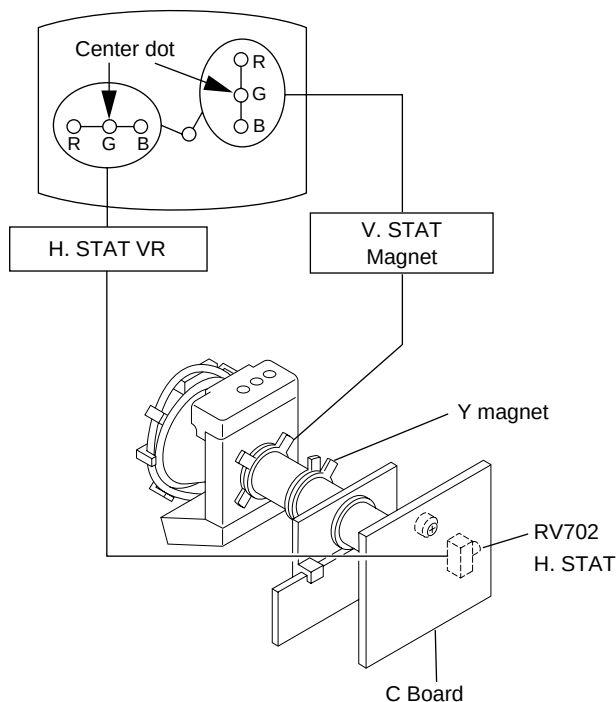
Fig. 3-4

3-2. CONVERGENCE ADJUSTMENT

Preparation :

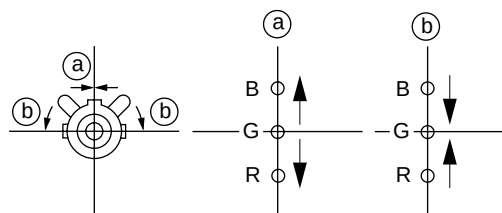
- Before starting this adjustment, adjust the focus, horizontal size and vertical size.
- Set the PICTURE and BRIGHTNESS 50%.
- Cross hatch / Dot pattern.

(1) Horizontal and Vertical Static Convergence

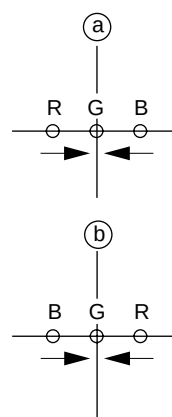


1. (Moving horizontally), adjust the H.STAT control so that the red, green and blue dots are on top of each other at the center of the screen.
2. (Moving vertically), adjust the V.STAT magnet so that the red, green and blue dots are on top of each other at the center of the screen.
3. If the H.STAT variable resistor cannot bring the red, green and blue dots together at the center of the screen, adjust the horizontal convergence with the H.STAT variable resistor and the V.STAT magnet in the manner given below.
(In this case, the H.STAT variable resistor and the V.STAT magnet influence each other, so be sure to perform adjustments while tracking.)

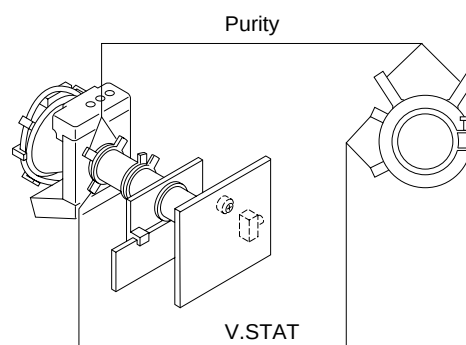
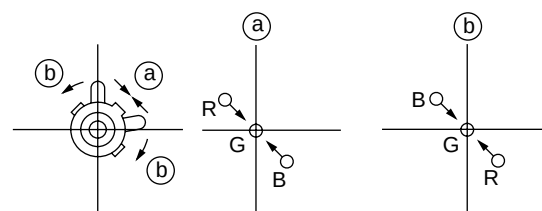
① V. STAT



② H. STAT VR

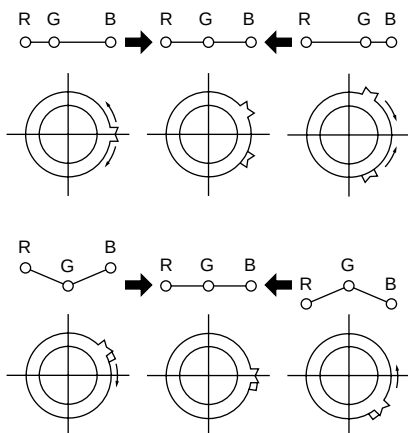


③



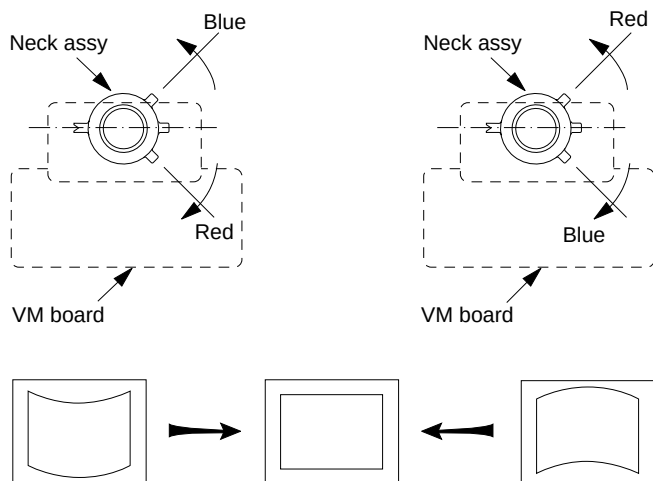
④ BMC (Hexapole) Magnet.

If the red, green and blue dots are not balanced or aligned, then use the BMC magnet to adjust in the manner described below.



⑤ Y separation axis correction magnet adjustment.

1. Receive the cross-hatch signal and adjust [PICTURE] to [MIN] and [BRIGHTNESS] to [STANDARD] .
2. Adjust the Y separation axis correction magnet on the neck assembly so that the horizontal lines at the top and bottom of the screen are straight.



Note

1. The Red and Blue magnets should be equally far from the horizontal center line.
2. Do not separate the Red and Blue magnets too far. (Less than 8 mm)

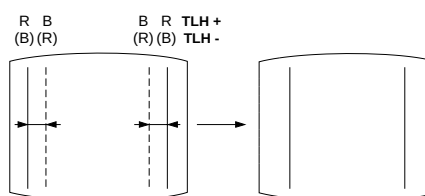
(2) Dynamic Convergence Adjustment

Preparation:

- Before starting this adjustment, adjust the horizontal static convergence and the vertical static convergence
- Set the PICTURE and BRIGHTNESS to normal.

1. Adjust TLH. (TLH correction piece)

- ① Receive the dot/hatch pattern signal and adjust picture quality by the menu.
- ② Correct horizontal mis-convergence of red and blue of both sides on the X axis.
When red is outside insert BMC magnet to right side (THL+) views from DY neck. And when blue is outside, insert it to left side (THL-) and take both sides.



2. Adjust XCV core.

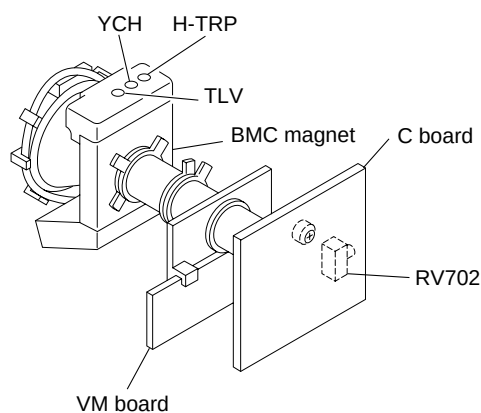
To able to become balance of XCV on the X axis well.

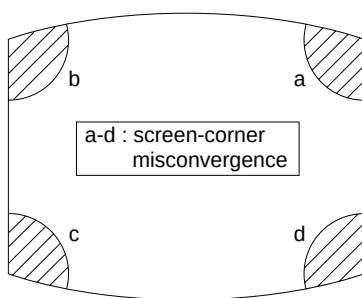
3. Adjust V-TILT.

Correct the vertical mis-convergence of red and blue of vertically sides on the Y axis.

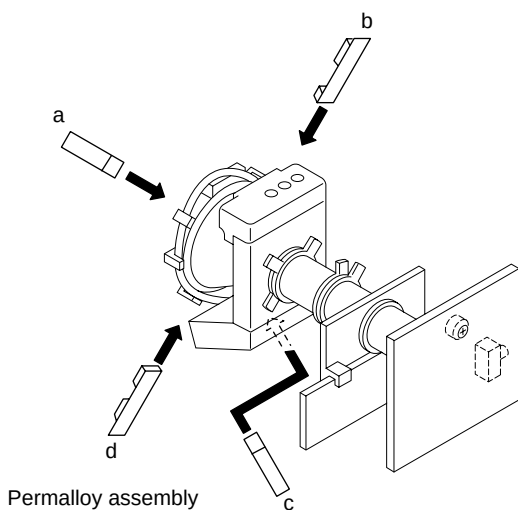
4. Adjust YCH.

Adjust horizontal mis-convergence of red and blue of vertically sides on the Y axis. Mentioned above steps 2 to 4 are adjusting respectively perform minuteness tracking.



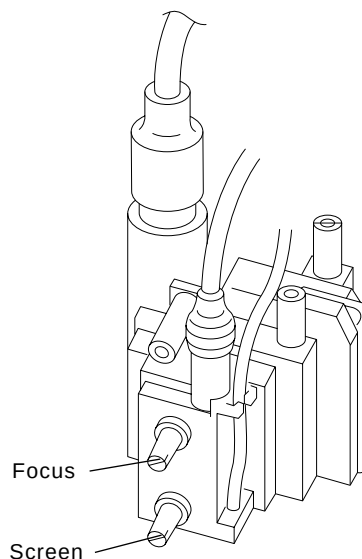
(3) Screen-corner Convergence

Fix a Permalloy assy corresponding to the misconverged areas.

**3-3. FOCUS ADJUSTMENT****Note**

Focus adjustment should be completed before W/B adjustment.

- (1) Receive digital monoscope pattern.
- (2) Set "A/V CONTROL" to "STANDARD".
- (3) Adjust FOCUS VR so that the center of the screen becomes justfocus.
- (4) Change the receiving signal to white pattern and blue back.
- (5) Confirm MAGENTA RING should not be over the limit sample. In case MAGENTA RING is over the limit sample, adjust FOCUS VR to take tracking of MAGENTA RING and FOCUS.



FLYBACK TRANSFORMER (T503)

3-4. NECK ASSY TWIST ADJUSTMENT

- (1) Receive dot/hatch pattern.
- (2) Turn FOCUS VR fully counter-clockwise.
- (3) Confirm the dot shape at the screen center. (Fig. 3-4)
- (4) Resume FOCUS VR.

Note

In case of turning NECK ASSY, loosen the screw 3 turns. Do not move the position.

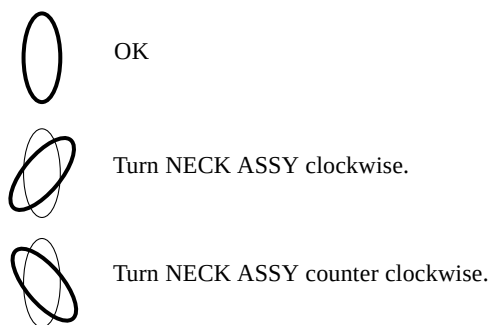
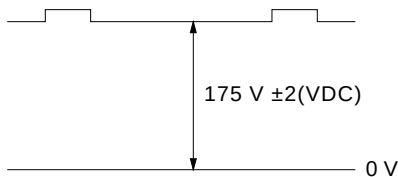


Fig. 3-4

3-5. G2 (SCREEN) AND WHITE BALANCE ADJUSTMENTS

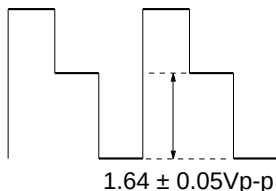
1. G2 (SCREEN) ADJUSTMENT

- 1) Set the PICTURE and BRIGHTNESS to normal.
- 2) Put to VIDEO input mode without signals.
- 3) Connect R, G and B of the C board cathode to the oscilloscope.
- 4) Adjust G2 (Screen) volume to the value below.



2. DRIVE LEVEL ADJUSTMENT

- 1) Set to Service Mode (Refer Section 4-1: ADJUSTMENTS WITH COMMANDER).
- 2) Input PAL Colorbar Signal.
- 3) Set to VP7 (Service Mode) "DYC" = 0.
- 4) Set VP22 GON to "0", VP23 BON to "0".
- 5) Set to A/V mode to "PERSONAL".
- 6) Connect an oscilloscope to pin ② of CN705 on the C board.
- 7) Set the picture to maximum and Brightness to minimum.
Enter into the Service Mode.
- 8) Using the [1] and [4] buttons select SAJ0 "PMX".
- 9) Using the [3] and [6] buttons on the Remote Commander adjust until the oscilloscope waveform has an amplitude of $1.64 \pm 0.05\text{Vp-p}$.



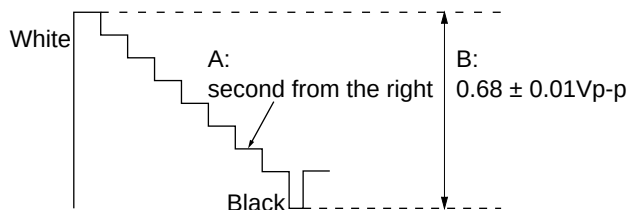
- 10) Reset to VP7 "DYC" = 1 and VP22 "GON" to 1, VP23 BON to "1".

3. WHITE BALANCE ADJUSTMENT

- 1) Set to Service Mode (Refer Section 4-1: ADJUSTMENTS WITH COMMANDER).
- 2) Input white raster signal.
- 3) Set the following condition.
PICTURE minimum, BRIGHTNESS 50%
- 4) Select GCT (WHB 4) and BCT (WHB 5) with [1] and [4], and adjust the level with [3] and [6] for the best white balance.
- 5) Set the PICTURE to maximum.
- 6) Select GDR (WHB 1) and BDR (WHB 2) with [1] and [4], and adjust the level with [3] and [6] for the best white balance.
- 7) Write into the memory by pressing [MUTING] then [0].

4. SUB PICTURE BRIGHTNESS ADJUSTMENT

- 1) Set to service mode (Refer Section 4-1: ADJUSTMENTS WITH COMMANDER).
- 2) Input a PAL RF colorbar signal through Sub TUNER (TU3301).
- 3) BRIGHTNESSRESET.
PICTURE MINIMUM
- 4) A: Select SBR (WHB7) with [1] and [4], and adjust SBR (WHB7) level with [3] and [6] so that the second stripe from the right is dimly lit.
B: Adjust RV5301 on B board so that the level of CN1310 ⑩ pin is within spec.



3-6. FREQUENCY (FREE RUN) ADJUSTMENT

- (1) Select Video 1 (no signal).
- (2) Connect a frequency counter across pin ⑩ (FH) IC301 of A Board.
- (3) Select VP (OF) HOS with [1] and [4] of the commander then adjust to $15.690\text{kHz} \pm 25\text{Hz}$ using [3] and [6].

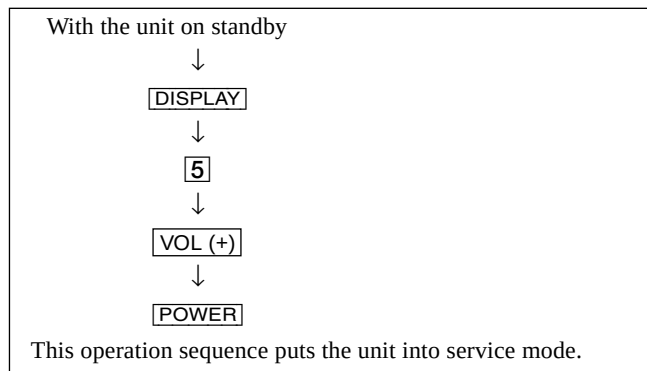
SECTION 4

CIRCUIT ADJUSTMENTS

4-1. ADJUSTMENTS WITH COMMANDER

Service adjustments are made with the RM-951 that comes with this unit.

a. ENTERING SERVICE MODE



b. METHOD OF CANCELLATION FROM SERVICE MODE

Set the standby condition (Press **[POWER]** button on the commander), then press **[POWER]** button again, hereupon it becomes TV mode.

c. METHOD OF WRITE INTO MEMORY

- 1) Set to Service Mode.
- 2) Press **[1]** (UP) and **[4]** (DOWN), select an item of adjustment.
- 3) Press **[MUTING]** button and it will indicate WRITE on the screen.
- 4) Press **[0]** button to write into memory.

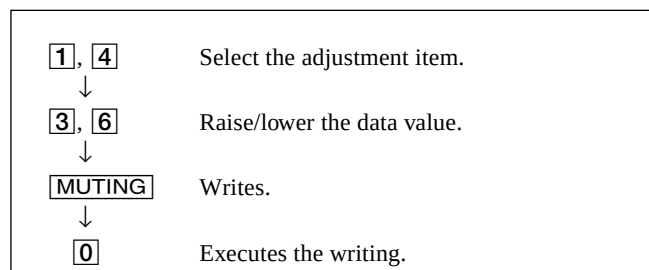
d. MEMORY WRITE CONFIRMATION METHOD

- 1) After adjustment, pull out the plug from AC outlet, and then plug into AC outlet again.
- 2) Turn the power switch ON and set to Service Mode.
- 3) Call the adjusted items again to confirm adjustments were made.

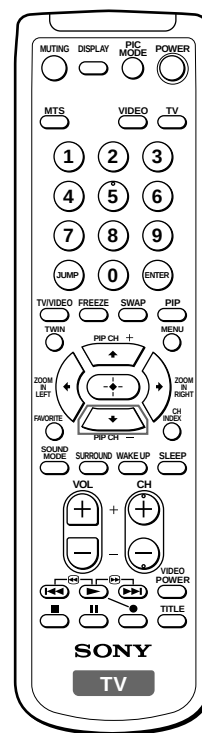
The screen display is :

Device Name	Item Name	Item No	Data	Marking of virgin NVM	Mode	
GEO		00	HPS	1C	■	SERVICE 50 ←
008S	1.0C	59	7F	0	000A	
Suffix No (OEM Code)	Software version				Total Power-On time (hours)	

PAL, SECAM : 50
NTSC : 60



- [7, 0]** All the data becomes the values in memory.
- [8, 0]** All user control goes to the standard state.
- [5, 0]** Service data initialization (Be sure not to use usually.)
- [2, 0]** Write 50Hz adjustment data to 60Hz, or vice versa.



RM-913

4-2. ADJUSTMENT METHOD

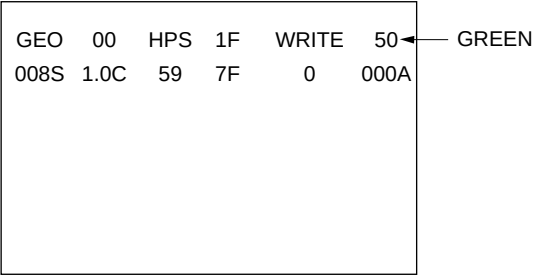
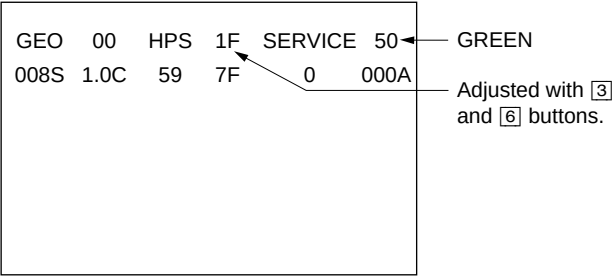
Item Number 00 of device GEO

This explanation uses H-Position as an example.

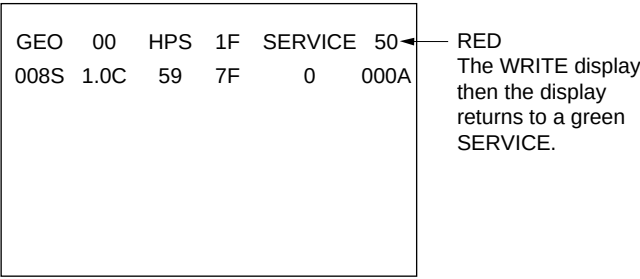
- 1. Select “GEO 00 HPS” with the [1] and [4] buttons.
- 2. Raise/lower the data with the [3] and [6] buttons.
- 3. Select the optimum state. (The standard is 1F for PAL reception.)
- 4. Write with the [MUTING] button. (The display changes to WRITE.)
- 5. Execute the writing with the [0] button. (The WRITE display will be changed to red color while excuting, and back to SERVICE.)

Use the same method for all Items. Use [1] and [4] to select the adjustment item, use [3] and [6] to adjust, write with [MUTING], then execute the write with [0].

- Note :**
- 1. In [WRITE], the data for all items are written into memory together.
 - 2. For adjustment items that have different standard data between 50Hz or 60Hz, be sure to use the respective input signal after adjustment.



Written with [MUTING]



Write executed with [0]

Adjustment Item Table

Category	Functionality		Initial Data	Range	Function	Table & Note	Register (Bit Range)	Device & Slave Address	RAM Address (Bit Range)
	No.	Name							
4	0	HPS	0F	3F	H Position	50/60/MID50/MID60	12 (7-2)	CXA2130S(88H) 354 (7-2)	355 (7-2)
	1	HSZ	26	3F	H Size	50/60/MID50/MID60	11 (7-2)		36A (7-2)
	2	PAP	22	3F	Pin Amp	50/60HZ	13 (7-2)		98 (7-2)
	3	TLT	5	0F	Trapezium	50/60/MID50/MID60	15 (7-4)		36B (7-4)
	VPS	23	3F	V Position	50/60/MID50/MID60	0F (7-2)			
	5	VSZ	16	3F	V Size	50/60/MID50/MID60	0E (7-2)		369 (7-2)
	6	SCO	8	0F	S Correction	50/60HZ	10 (7-4)		95 (7-4)
	7	VLN	8	0F	V Linearity	50/60HZ	10 (3-0)		95 (3-0)
	8	BOW	8	0F	AFC Bow	50/60HZ	16 (7-4)		9B (7-4)
	9	AGL	8	0F	AFC Angle	50/60HZ	16 (3-0)		9B (3-0)
	10	UPN	24	3F	Upper Pin	50/60HZ	14 (7-2)		99 (7-2)
	11	LPN	26	3F	Lower Pin	50/60HZ	18 (7-2)		9D (7-2)
	12	HBL	0	1	H Blanking on/off		18 (1)		6D (1)
	13	LBL	7	0F	Left H Blanking	50/60HZ	17 (7-4)		9C (7-4)
	14	RBL	7	0F	Right H Blanking	50/60HZ	17 (3-0)		9C (3-0)
WHB	0	RDR	25	3F	R Drive	DYNAMIC/others	09 (7-2)	CXA2130S(88H)	A1 (7-2)
	1	GDR	25	3F	G Drive	DYNAMIC/others	0A (7-2)		A2 (7-2)
	2	BDR	25	3F	B Drive	DYNAMIC/others	0B (7-2)		A3 (7-2)
	3	RCT	7	0F	R Cutoff	SECAM/others	07 (3-0)		A5 (3-0)
	4	GCT	7	0F	G Cutoff	SECAM/others	08 (7-4)		A6 (7-4)
	5	BCT	7	0F	B Cutoff	SECAM/others	08 (3-0)		A6 (3-0)
	6	BMN	18	1F	Brightness Minimum Data		06 (7-2)		106
	7	SBR	2E	3F	Sub Brightness Control		06 (7-2)		107
SAJ	0	PMX	2B	3F	Picture Maximum Data		03 (7-2)	CXA2130S(88H)	105
	1	SHU	0	0F	Sub Hue Control	TV/Video	05 (7-2)		108
	2	SSH	4	0F	Sub Sharpness Control	TV/Video	07 (7-4)		109
	3	SCL	20	3F	Sub Color Control	NTSC/others	04 (7-2)		10A
VP	0	EHT	5	0F	EHT Comp	50/60HZ	15 (3-0)	CXA2130S(88H)	9A (3-0)
	1	GMA	2	03	Gamma Correction	NTSC/others	0B (1-0)		363 (1-0)
					(also separated for STANDARD)				
	2	YDL	8	0F	Y Delay	PAL/SECAM/NTSC/DVD	0C (3-0)		366
	3	SST	2	03	SECAM ID Start Position		1B (1-0)		70 (1-0)
	4	SSP	1	03	SECAM ID Stop Position		1B (3-2)		70 (3-2)
	5	SLV	1	03	SECAM ID Level		1C (1-0)		71 (1-0)
	6	SBF	22	3F	SECAM BELL f0		1C (7-2)		71 (7-2)
	7	DYC	1	1	Dynamic Color on/off		0A (1)		5F (1)
	8	ABL	0	1	ABL Mode Switching	(except STANDARD)	09 (1)		5E (1)
	9	VTH	1	1	ABL Detection Vth Switching		09 (0)		5E (0)
	01	SFO	1	1	FO Switching for Sharpness	NTSC/others	05 (1)		356 (1)
	11	DCX	1	1	DC Trans. Ratio Switching		06 (1)		5B (1)
	12	SHT	1	1	Pre-/Overshoot ratio Switch	NTSC/others	06 (0)		357 (0)

Adjustment Item Table

Category	Functionality		Initial Data	Range	Function	Table & Note	Register (Bit Range)	Device & Slave Address	RAM Address (Bit Range)
	No.	Name							
VP	13	HDW	0	1	H Drive Pulse Width Switch	TV/Video/Text	00 (6)		55 (6)
	14	AFC	0	03	AFC Gain Control		0F (1-0)		1C7
	15	HOS	7	0F	H Oscillation		0C (7-4)		61 (7-4)
	16	HSS	0	1	Slice Level of H Sync Sep.		0D (1)		62 (1)
	17	VSS	0	1	Slice Level of V Sync Sep.	50/60Hz	0D (0)		62 (0)
	18	HMS	1	1	Macro Vision C/m off/on		0E (0)		93 (0)
	19	YUV	0	1	YUV Switch Control		01 (0)		56 (0)
	20	CDV	1	3	CD mode for Video		0D (5-4)		361 (5-4)
	21	RON	1	1	R ON	not memorized	01 (3)		56 (3)
	22	GON	1	1	G ON	not memorized	01 (2)		56 (2)
	23	BON	1	1	B ON	not memorized	01 (1)		56 (1)
	24	PON	1	1	P ON	not memorized	00 (7)		55 (7)
	25	BLK	0	1	BLK Off		12 (0)		67 (0)
	26	VMC	1	1	VM Off		13 (0)		68 (0)
AP	0	BCS	1	3	Bass Center Shift		#4 (3-0)	TDA7315(80H)	358 (1-0)
	1	TCS	1	3	Treble Center Shift		#5 (3-0)		359 (1-0)
MSP	0	WST	15	FF	W/G Stereo Threshold			MSP3415D(84H)	165
	1	WBT	EA	FF	W/G Bilingual Threshold				166
	2	WLL	5	FF	W/G Monaural Threshold				167
	3	WAC	1	0F	W/G Agreement Count				168
	4	WDL	30	FF	W/G Search Delay				169
	5	NDL	20	FF	NICAM Search Delay				16A
	6	SDL	10	FF	Stereo status Read Delay				16B
	7	AGC	1	1	AGC Switch Auto/Constant		00BB (7)		116 (7)
	8	REL	28	3F	AGC Gain at Constant Mode		00BB (6-1)		116 (6-1)
	9	CRM	0	1	Carrier muting on/off		00BB (9)		115 (1)
	10	ACO	1	1	Audio Clock out on/off		0083 (5)		11A (5)
	11	FP	1B	7F	FM Prescale for non-M system		000E (7-0)		329
	12	FPM	32	7F	FM Prescale for M system		000E (7-0)		32A
	13	FH	2D	7F	FM Prescale for HDEV		000E (7-0)		32B
	14	FHM	65	7F	FM Prescale for HDEV and M		000E (7-0)		32C
	15	WGP	2A	7F	W/G Prescale		000E (7-0)		32D
	16	NIP	6D	7F	NICAM Prescale		0010 (7-0)		32E
	17	ERR	50	FF	Auto FM switch Threshold		0021 (10-3)		14F
	18	VOL	6D	FF	Loud Speaker gain 0700 to 07FFh		0000 (11-4)		368

Adjustment Item Table

Category	Functionality		Initial Data	Range	Function	Table & Note	Register (Bit Range)	Device & Slave Address	RAM Address (Bit Range)
	No.	Name							
LTI	0	LDH	1	1	Histogram Segment Selection		00 (2)	TDA9178 (40H)	175 (2)
	1	CFS	1	1	Contour Filter Selection		00 (3)		175 (3)
	2	WLB	0	1	Letterbox Window Switch		00 (5)		175 (5)
	3	VDC	1	1	Video Dependent Coring		00 (6)		175 (6)
	4	DEM	0	1	Demonstration Mode		00 (7)		175 (7)
	5	CDP	0	07	Luminance Delay		01 (2-0)		176 (2-0)
	6	OSP	1	1	Override Smart Peaking		01 (5)		176 (5)
	7	WPO	0	1	White Point Stretch Off		01 (4)		176 (4)
	8	DSK	0	1	Skin Tone Switch		02 (0)		177 (0)
	9	ASK	0	1	Skin Tone Angle Selection		02 (1)		177 (1)
	10	WSK	0	1	Skin Tone Width Selection		02 (2)		177 (2)
	11	SSK	0	1	Skin Tone Size Selection		02 (3)		177 (3)
	12	DGR	1	1	Green Enhancement Switch		02 (4)		A9 (4)
	13	DGT	7	7	Threshold of Green Enhancement Switch				A9 (7-5)
	14	GGR	0	1	Green Enhancement Gain		02 (5)		177 (5)
	15	WGR	0	1	Green Enhancement Width		02 (6)		177 (6)
	16	SGR	0	1	Green Enhancement Size		02 (7)		177 (7)
	17	DBL	0	1	Blue Stretch Switch		03 (0)		178 (0)
	18	GBL	0	1	Blue Stretch Gain Selection		03 (1)		178 (1)
	19	SBL	0	1	Blue Stretch Size Selection		03 (2)		178 (2)
	20	CDS	1	1	Color Dependent Sharpness		03 (3)		A9 (3)
	21	CST	7	7	Threshold of Color Dependent Sharpness				A9 (2-0)
	22	CTI	0	1	Color Transient Improvement		03 (4)		178 (4)
	23	BON	0	1	Black offset Compensation		03 (5)		178 (5)
	24	BTD	0	3F	Adaptive Black Stretch		04 (5-0)		179 (5-0)
	25	NLD	15	3F	Non-Linearity Amplifier		05 (5-0)		AA (5-0)
	26	NLW	4	7	Step Width of Non-Linearity Amplifier		05 (5-0)		AE (6-4)
	27	VGD	20	3F	Variable Gamma		06 (5-0)		AB (5-0)
	28	VGW	0	7	Step Width of Variable Gamma		06 (5-0)		AE (2-0)
	29	PKD	1A	3F	Peaking Amplitude		07 (5-0)		AC (5-0)
	30	PKW	8	0F	Step Width of Peaking Amplitude		07 (5-0)		AF (7-4)
	31	SPD	1F	3F	Steepness Correction		08 (5-0)		17D (5-0)
	32	CRD	13	3F	Coring Level		09 (5-0)		AD (5-0)
	33	CRW	9	0F	Step Width of Coring Level		09 (5-0)		AF (3-0)
	34	LWD	1F	3F	Line Width Correction		A9 (5-0)		17F (5-0)
	35	SNM	1	7	S/N Mode under unreliable S/N Condition				BO (2-0)
	36	SNC	3	0F	S/N Ratio Average Counter	TV/Video			B1 (3-0)
	37	FMC	2	0F	Feature Mode Matching Counter				B2 (3-0)

Adjustment Item Table

Category	Functionality		Initial Data	Range	Function	Table & Note	Register (Bit Range)	Device & Slave Address	RAM Address (Bit Range)
	No.	Name							
MID	0	HAT	1C	FF	H Phase for A-ch in Twin mode			CXP86332 (6EH)	
	1	HAX	21	FF	H Phase for A-ch in Index mode				
	2	VPA	0C	FF	V Phase for A-ch (common)				
	3	DLA	3	07	Chroma Delay for A-ch				
	4	VJA	0	03	V-Jitter Reduction for A-ch				
	5	CYA	10	FF	Y-Clamp Level for A-ch				
	6	CUA	80	FF	U-Clamp Level for A-ch				
	7	CVA	80	FF	V-Clamp Level for A-ch				
	8	DPA	0	7F	Clamp Delay Position for A-ch				
	9	HBT	22	FF	H Phase for B-ch in Twin mode				
	10	HBI	20	FF	H Phase for B-ch in PinP mode				
	11	HBX	21	FF	H Phase for B-ch in Index mode				
	12	VPB	0C	FF	V Phase for B-ch except in Index				
	13	VBX	9	FF	V Phase for B-ch in Index mode				
	14	DLB	3	07	Chroma Delay for B-ch				
	15	VJB	0	03	V-Jitter Reduction for B-ch				
	16	CYB	10	FF	Y-Clamp Level for B-ch				
	17	CUB	80	FF	U-Clamp Level for B-ch				
	18	CVB	80	FF	V-Clamp Level for B-ch				
	19	DPB	0	7F	Clamp Delay Position for B-ch				
	20	VJC	3	3	V-Jitter Reduction for C-ch				
	21	DLC	4	7	Chroma Delay for C-ch				
	22	YSD	1	7	YS Delay				
	23	ADA	0	1	AD Switch for A-ch				
	27	ADB	0	1	AD Switch for B-ch				
	25	DCA	0	3	Digital Input Color Signal Phase for A-ch				
	26	DCB	0	3	Digital Input Color Signal Phase for B-ch				
	27	ACA	0	1	ADC on/off for A-ch				
	28	ACB	0	1	ADC on/off for B-ch				
	29	WIA	0	3	Write Interlace Correction for A-ch				
	30	RIA	0	3	Read Interlace Correction for A-ch				
	31	WIB	0	3	Write Interlace Correction for B-ch				
	32	RIB	0	3	Read Interlace Correction for B-ch				
	33	OEA	0	1	Odd/Even Selection for A-ch				
	34	EIA	0	3	Reverse Interlace Correction for A-ch				
	35	OEB	0	1	Odd/Even Selection for B-ch				
	36	EIB	0	3	Reverse Interlace Correction for B-ch				
	37	OEC	0	1	Odd/Even Selection for C-ch				
	38	OES	0	1	Option 1 for Euro model				
	39	OID	1	1	Option 2 for Field ID				
	40	OVF	0	1	Option 3 for V LPF				

Adjustment Item Table

Category	Functionality		Initial Data	Range	Function	Table & Note	Register (Bit Range)	Device & Slave Address	RAM Address (Bit Range)
	No.	Name							
MID	41	OSH	1A	3F	OSD H Position				
	42	OSV	2C	3F	OSD V Position				
	43	PHP	3	0F	PinP H Position				
	44	PVP	4	0F	PinP V Position				
SVP	0	SBF	22	3F	SECAM BELL f0		1C (7-2)	CXA2130S(8AH)	86 (7-2)
	1	HOS	7	0F	H Oscillation		0C (7-4)		81 (7-4)
	2	SHU	6	0F	Sub Hue Control	TV/Video	05 (7-2)		310
	3	SCL	1F	3F	Sub Color Control	NTSC/others	04 (7-2)		311
DSP	0	TS1	A5	FF	TruSurround Effect 1	Virtual/TruSurr.	C (BF)	TC9447F(32H)	31B
	1	TS2	5A	FF	TruSurround Effect 2	Virtual/TruSurr.	C (CO)		31C
	2	SR1	FF	FF	SRS Effect 1	TruSurr./Simulate	C (AD)		31D
	3	SR2	FF	FF	SRS Effect 2	TruSurr./Simulate	C (BO)		31E
	4	BH1	40	FF	BBE Effect 1 for BBE High	Off/Vir./Tru./Sim.	C (DC)		321
	5	BH2	48	FF	BBE Effect 2 for BBE High	Off/Vir./Tru./Sim.	C (DD)		322
	6	BL1	33	FF	BBE Effect 1 for BBE Low	Off/Vir./Tru./Sim.	C (DC)		323
	7	BL2	33	FF	BBE Effect 2 for BBE Low	Off/Vir./Tru./Sim.	C (DD)		324
TXT	0	TXH	1	3	Teletext Horizontal Position		10 (1-0)	SAA5261 (58H)	352 (1-0)
	1	TXV	1	7	Teletext Vertical Position		10 (5-4)		352 (5-4)
OPM	0	OSH	0C	3F	OSD H Position	Option-Misc	1F1	CXP750097(60H)	18D (7-2)
	1	COM	2	03	Comb Selection				347 (7-6)
	2	APC	1	1	APC Switch				346 (5)
	3	TSY	0	03	TV Sys at Auto TV Sys				346 (4-3)
	4	MUT	0	1	No Signal Mute				346 (0)
	5	AFM	1	1	Auto FM switch				346 (1)
	6	RFB	0	03	C-BPF Control				347 (5-4)
	7	TVO	3	7	Tilt to V-Angle offset				347 (2-0)
OPB	8	DBL	0	1	Disable Blueback Function				346 (2)
	0	OP1	D1	FF	Optional Bits 1 (see below)	Option-Bits		CXP750097(60H)	49
	1	OP2	07	FF	Optional Bits 2 (see below)				4A
	2	OP3	2C	FF	Optional Bits 3 (see below)				4B

NOTE

-  shaded items are fixed data.
- Standard data listed on the Adjustment Item Table are reference values, therefore it may be different for each model and for each mode.
- Note for Different Data: Those are the standard data values written on the microprocessor. Therefore, the data values of the modes and stored respectively in the memory.
In case of a device replacement, adjustment by rewriting the data value is necessary for some items.

ITEM INFORMATION.**No. OPB0 OP1**

Item	XTAL 4.43	XTAL 3.58	SECAM	2nd. Lang	B/G	I	D/K	M
KV-EF34N90	0	1	0	1	0	0	0	1

No. OPB1 OP2

Item	TOP	NICAM	HDEV	Thai Bil	Dis. Fav	DVD Input	AV Input	
KV-EF34N90	0	0	0	0	0	1	1	1

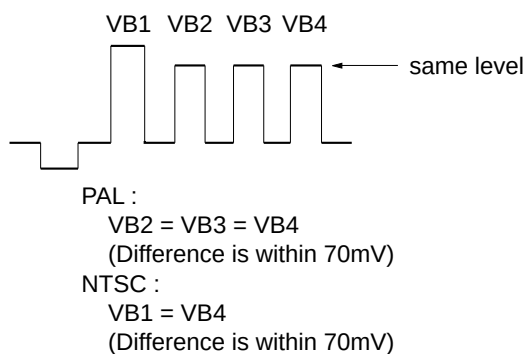
No. OPB2 OP3

Item	PIC Rotate	2199 Curve	Auto PIC	Auto TV sys	US ST	AV Mono	11 KEY	Color SW
KV-EF34N90	0	0	1	0	1	0	1	0

4-3. PICTURE QUALITY ADJUSTMENTS

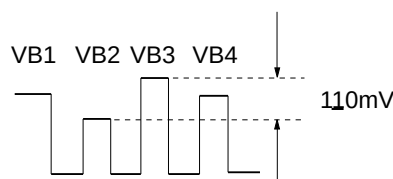
SUB COLOR ADJUSTMENT (SCL)

1. Set to service mode.
2. Input RF PAL colorbar signal.
Set A/V control to PERSONAL.
3. Set to VP7 (Service mode) "DYC" = 0
4. Set the following condition.
Picture to 100%, Color to 0% and Bright to 0%.
5. Connect an oscilloscope to the pin ③ (BLUE) of CN705, C board.
6. Using the [1] and [4] buttons select SAJ 3 (Service mode) "SCL".
7. Using the [3] and [6] buttons on the Remote Commander to adjust to VB2 = VB3 = VB4 with [3] and [6].
8. Write into the memory by pressing "MUTING" then "0".
9. Input NTSC colorbar signal to VIDEO1 and select VIDEO1 input.
10. Adjust as step 4. and 8. by receiving NTSC colorbar.
11. Reset to VP 7 (Service mode) "DYC" = 1.



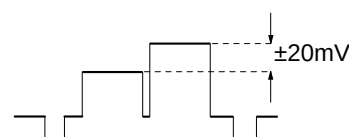
SUB HUE ADJUSTMENT (SHU)

12. Set to service mode.
13. Input NTSC colorbar signal to VIDEO1 and select VIDEO1 input.
14. Set to VP 7 (Service mode) "DYC" = 0
15. Connect an oscilloscope to the pin ③ (BLUE) of CN705, C board.
16. Using the [1] and [4] buttons select SAJ 1 (Service mode) "SHU (VIDEO)".
17. Using the [3] and [6] buttons on the Remote Commander to adjust to VB2 = VB3 = VB4 with [3] and [6].
18. Write into the memory by pressing [MUTING] then [0].
19. Reset to VP 7 (Service mode) "DYC" = 1.

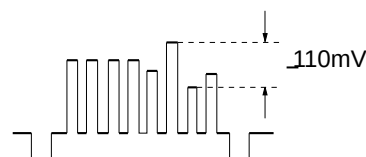


The highest level of VB1,VB2,VB4 will be aligned at the same line.
The ideal different level between VB2 and VB3 is within $\pm 110\text{mV}$.

20. Select "TWIN PICTURE" mode. (MID)
21. Receive different RF PAL white signals in MAIN and SUB picture.
22. Adjust RV5301 on B board so that the level at pin ② (BLUE) of CN705 on C board becomes within spec.



23. Receive RF NTSC colorbar signal in MAIN picture and VIDEO1 NTSC colorbar signal in SUB picture.
24. Adjust SVP2 (Service mode) "SHU (VIDEO)" so that the level at pin ③ (BLUE) of CN705 on C board becomes within spec.
25. Write into the memory by pressing [MUTING] then "0".



26. Write SJA 3 (Service mode) "SCL (PAL)" +4 steps to SJA 3 (Service mode) "SCL (PAL)".
Write SJA 3 (Service mode) "SCL (NTSC)" +3 steps to SJA 3 (Service mode) "SCL (NTSC)".
Write SJA 1 (Service mode) "SHU (VIDEO)" +3 steps to SJA 1 (Service mode) "SHU (VIDEO)".
Write SJA 1 (Service mode) "SHU (VIDEO)" -5 steps to SJA 1 (Service mode) "SHU (TV)".
Write SVP 2 (Service mode) "SHU (VIDEO)" +3 steps to SVP 2 (Service mode) "SHU (VIDEO)".
Write SVP2 (Service mode) "SHU (VIDEO)" -2 steps to SVP 2 (Service mode) "SHU (TV)".
27. Reset to VP 7 (Service mode) "DYC" = 1

Y LEVEL (SUB PICTURE) ADJUSTMENT

1. Input a PAL colorbar signal.
2. Set to TWIN PICTURE mode.
3. Connect an oscilloscope to pin ② (R-out) of CN705 on the C board.
4. Adjust VR5301 on B board so that white level of main picture and sub picture becomes same level.

HUE LEVEL (SUB PICTURE) ADJUSTMENT

1. Input a NTSC colorbar VIDEO signal.
2. Set to TWIN PICTURE mode.
3. Connect an oscilloscope to pin ② (R-out) of CN705 on the C board.
4. Select SVP (02) SHU with [1] and [4] of the commander so that waveform of main picture and sub picture become same level.
5. Press [MUTING] → [0] on the commander to write the data with SVP (02) "SHU" Video mode and TV mode.

H-TRAPIZIUM ADJUSTMENT

1. Input a cross hatch/dot signal.
2. Adjust RV1801 on C board to make H-Trapezoid distortion best.

4-4. A BOARD ADJUSTMENT AFTER IC003 (MEMORY) REPLACEMENT

When replacing IC003 (MEMORY), be sure to change IC001 (μ-COM) to the following new IC at the same time.

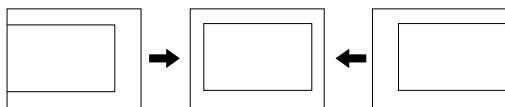
MODEL	IC001 (μ-COM)
KV-EF34N90	CXP750097-008S

1. Enter to Service Mode.
2. Press commander buttons [5] and [0] (Data Initialize), and [2] and [0] (Data Copy) to initialize the data.
3. Call each item number and check if the respective screen shows the normal picture.
In cases where items are not well adjusted, rectify the items with fine adjustment.
Write the data per each item number ([MUTING] + [0]).
4. Select item numbers "OPB0" (OP1), "OPB1" (OP2) and "OPB2" (OP3) and respectively set the bit per model with command buttons [3] and [6].
5. Press commander buttons [8] and [0] (Test Normal) to return to the data that was set on the shipment from the factory.
(This will also cancel Service Mode.)

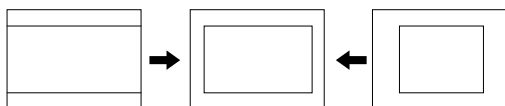
4-5. PICTURE DISTORTION ADJUSTMENT (1)

Item Number 00 – 0B

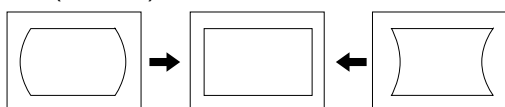
GEO 0 HPS (H POSITION)



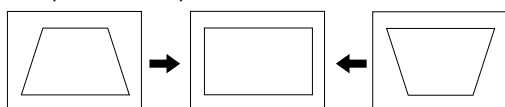
GEO 1 HSZ (H SIZE)



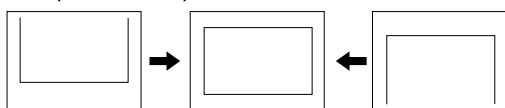
GEO 2 PAP (PIN AMP)



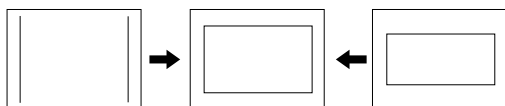
GEO 3 TLT (TRAPEZIUM)



GEO 4 VPS (V POSITION)



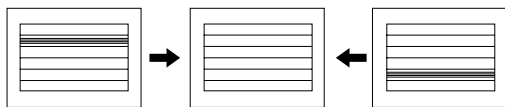
GEO 5 VSZ (V SIZE)



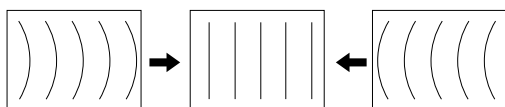
GEO 6 SCO (VERTICAL S-Correction)



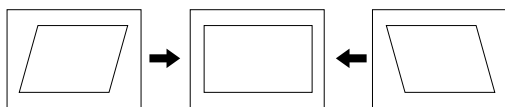
GEO 7 VLN (V LINEARITY)



GEO 8 BOW (AFC.BOW)

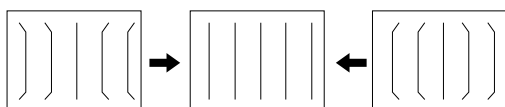


GEO 9 AGL (AFC.ANGLE)



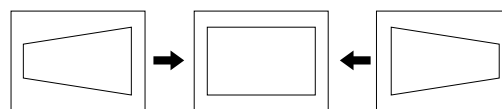
GEO 0A UCP (UPPER CORNER PIN)

GEO 0B LCP (LOWER CORNER PIN)



PICTURE DISTORTION ADJUSTMENT (2)

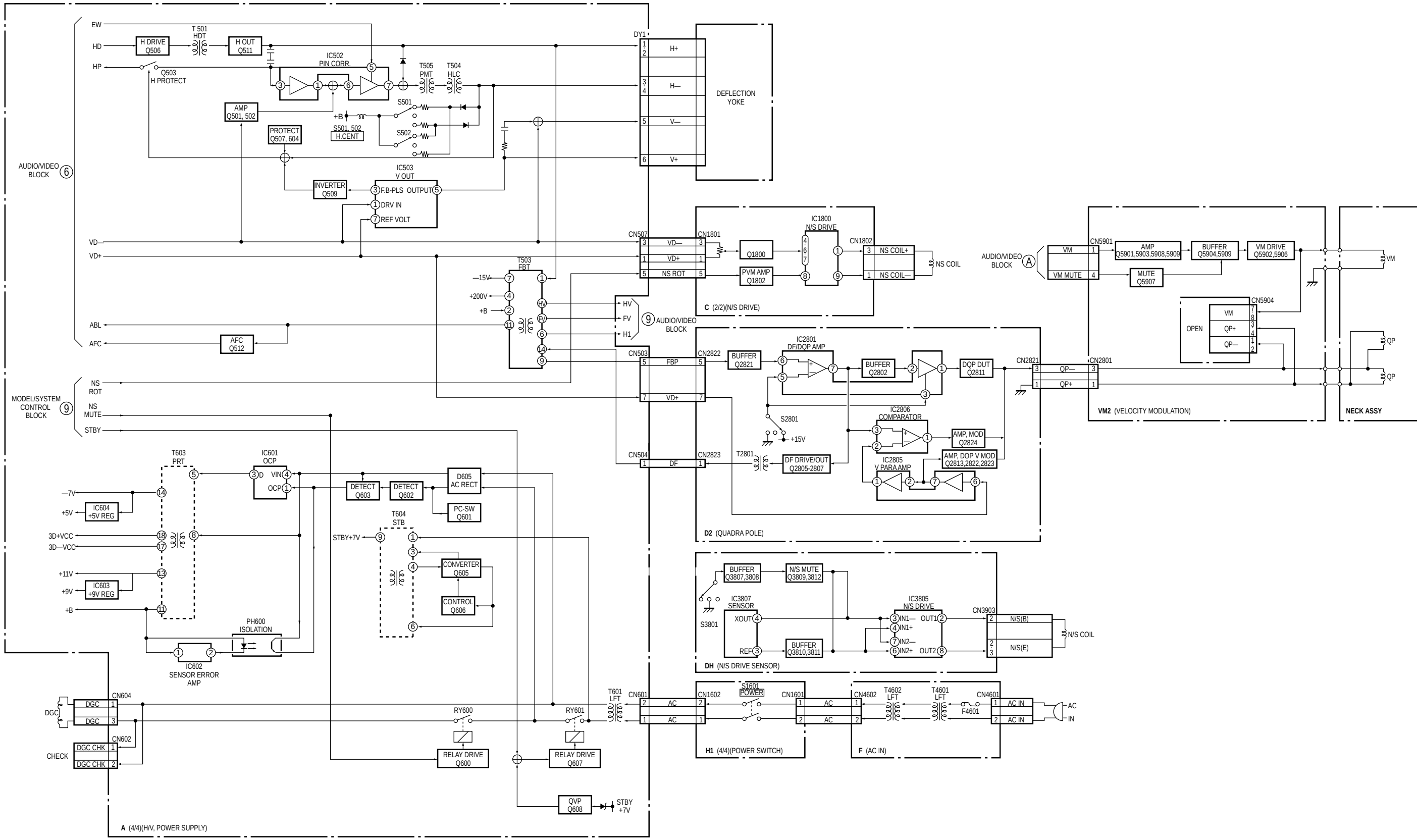
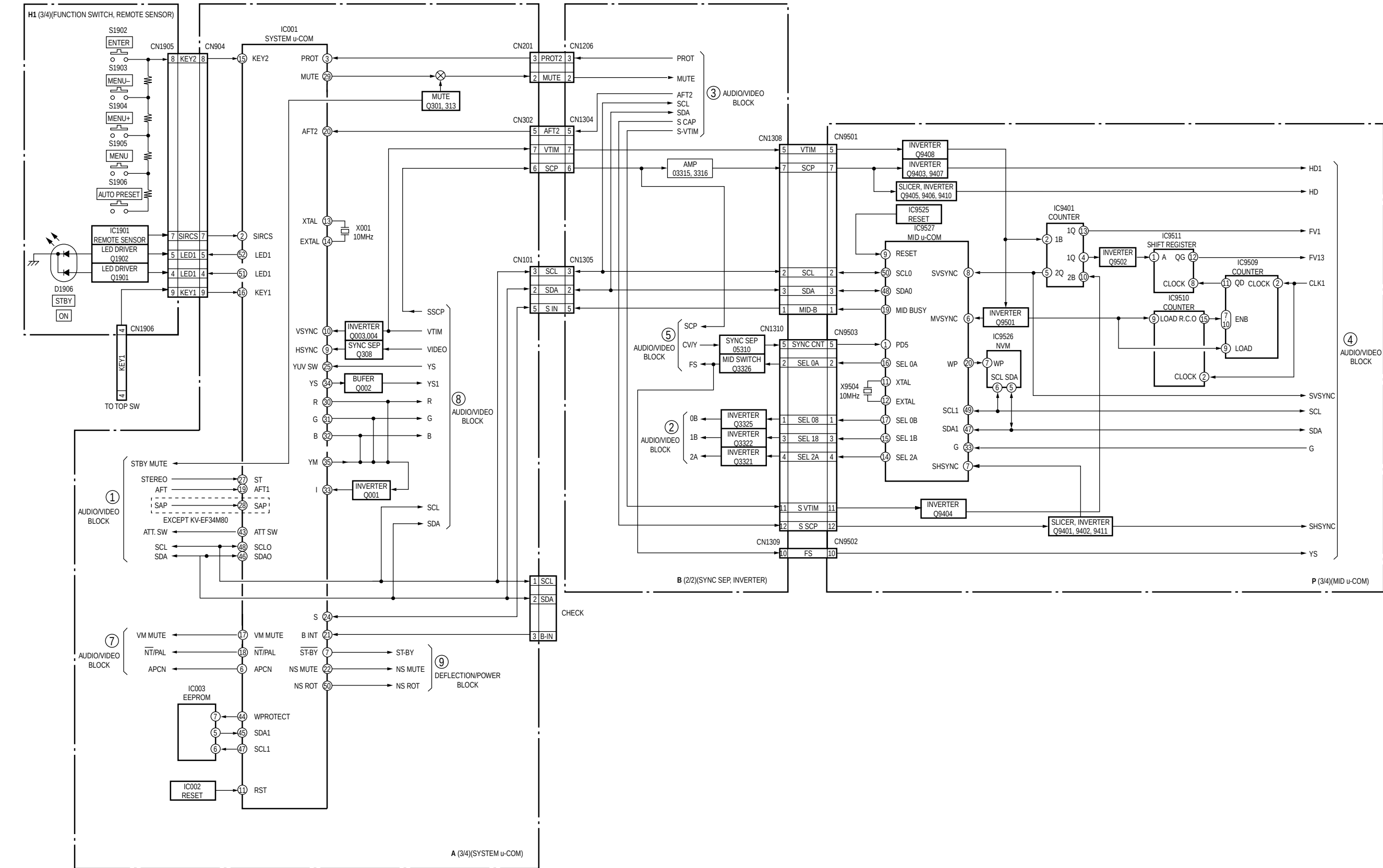
H-TRAPEZOID (Rotate RV1801)



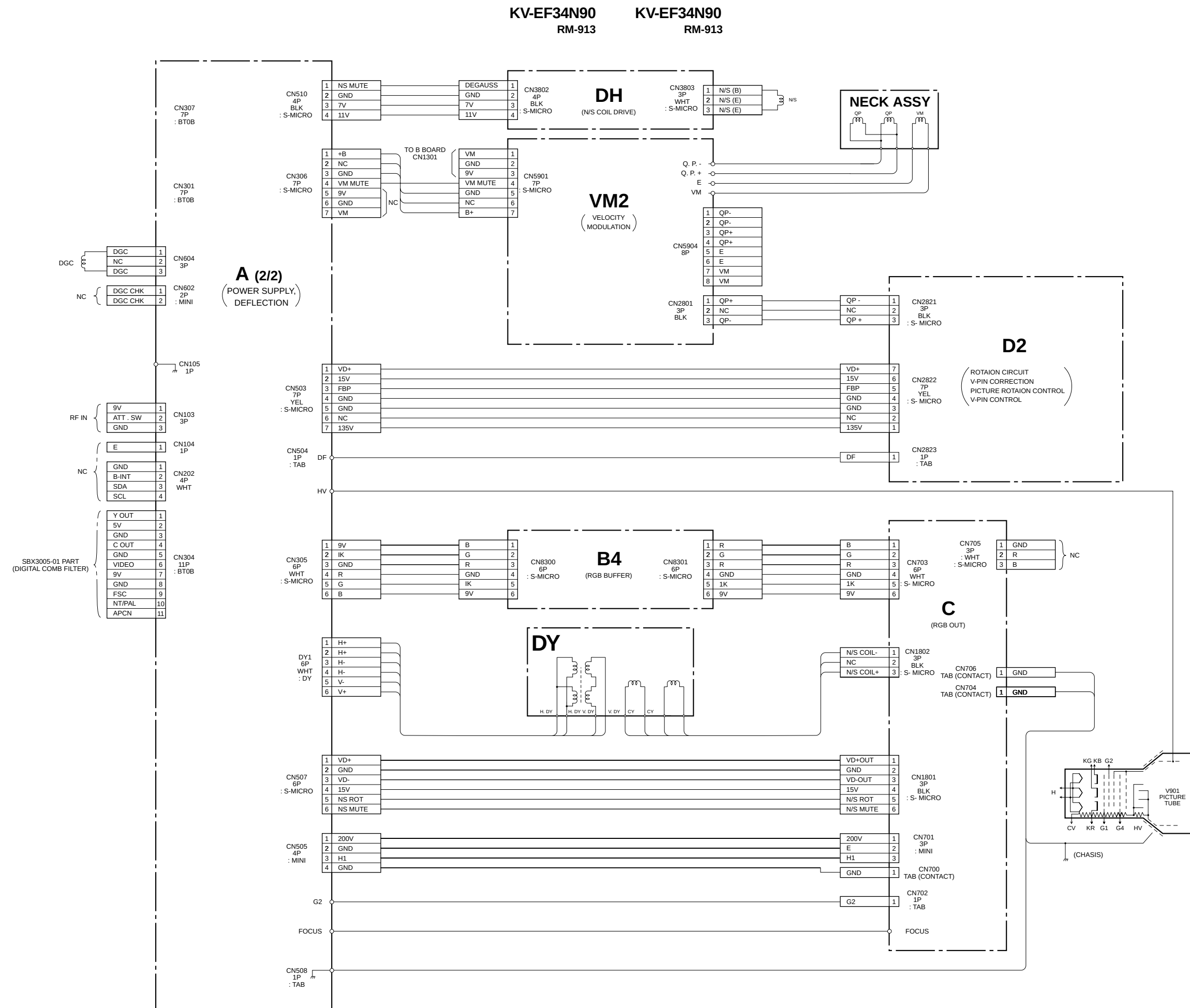
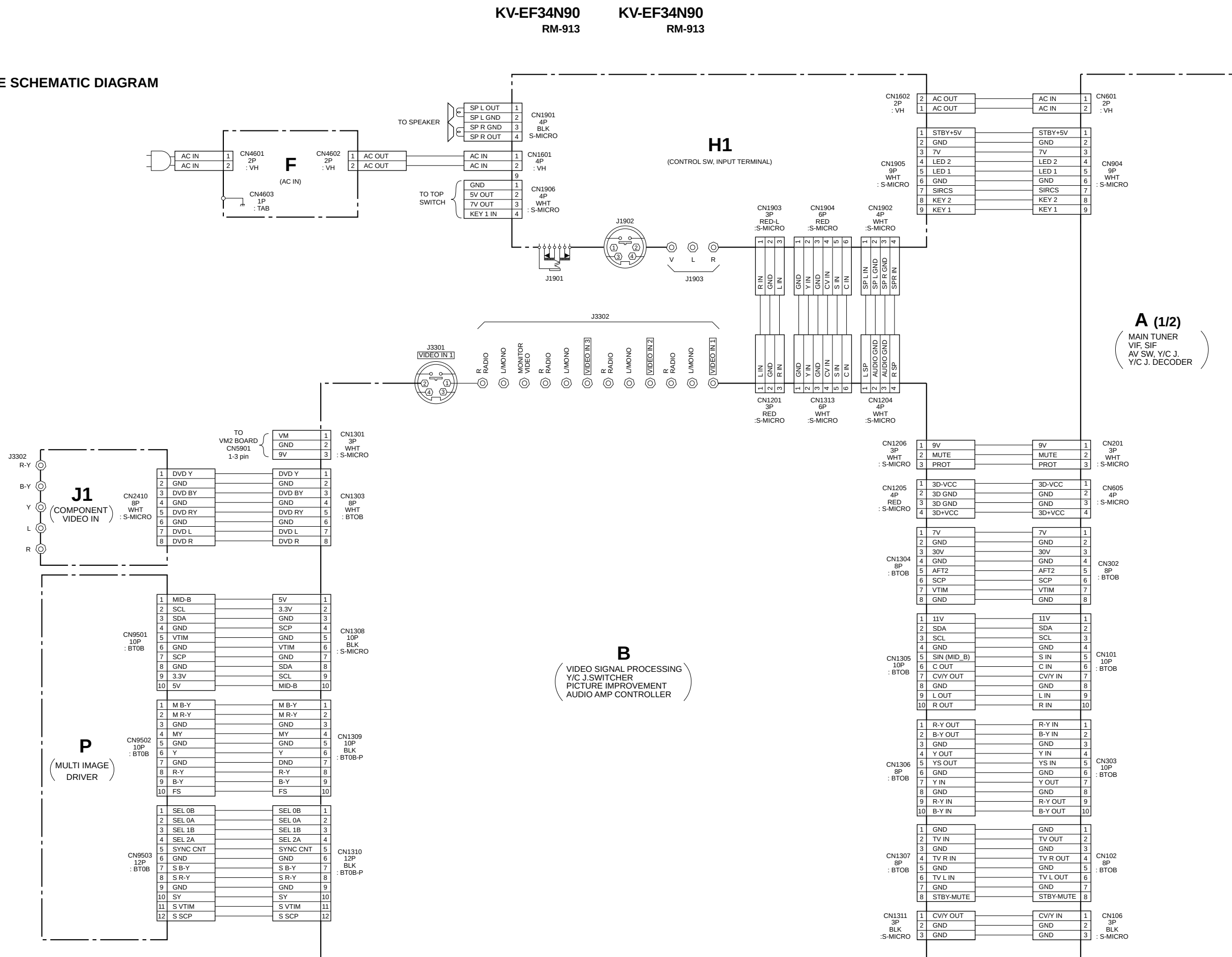
KV-EF34N90
RM-913

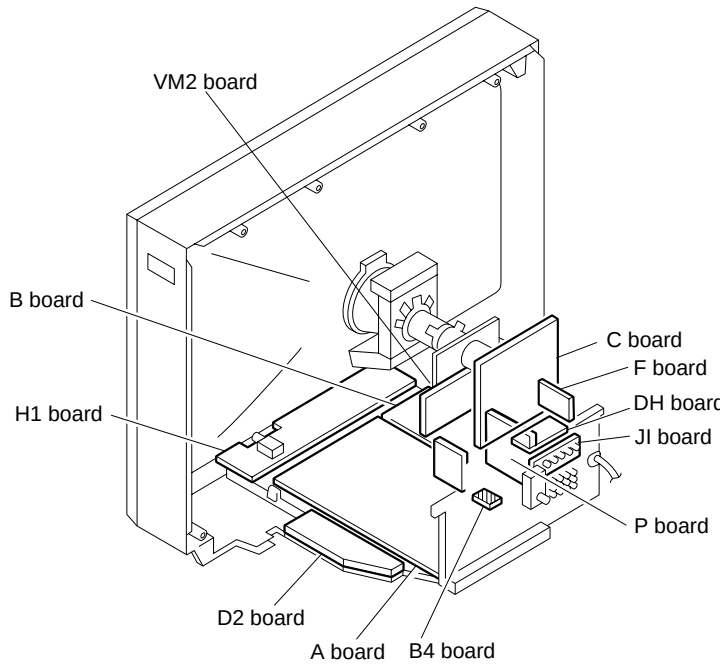
KV-EF34N90 **KV-EF34N90**
RM-913 RM-913





5-2. FRAME SCHEMATIC DIAGRAM





5-4. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

Note:

- All capacitors are in μF unless otherwise noted.
- All electrolytic capacitors are rated at 50V unless otherwise noted.
- All resistors are in ohms.
- k = 1000, M = 1000k
- Indication of resistance which does not have rating electrical power is as follows.
- Pitch: 5 mm
- Rating electrical power 1/4W (CHIP: 1/10W)

RESISTOR

- : nonflammable resistor.
- : internal component.
- : panel designation or adjustment for repair.
- All variable and adjustable resistors have characteristic curve B unless otherwise noted.
- Readings are taken with a color-bar signal input.
- no mark : PAL
- () : SECAM
- [] : NTSC 3.58
- << >> : NTSC 4.43
- Readings are taken with a 10 M digital multimeter.
- Voltage are dc with respect to ground unless otherwise noted.
- Voltage variations may be noted due to normal production tolerances.
- All voltages are in V.
- * : Cannot be measured.
- Circled numbers are waveform references.
- : B + bus.
- : B - bus.
- : signal path.

Reference information

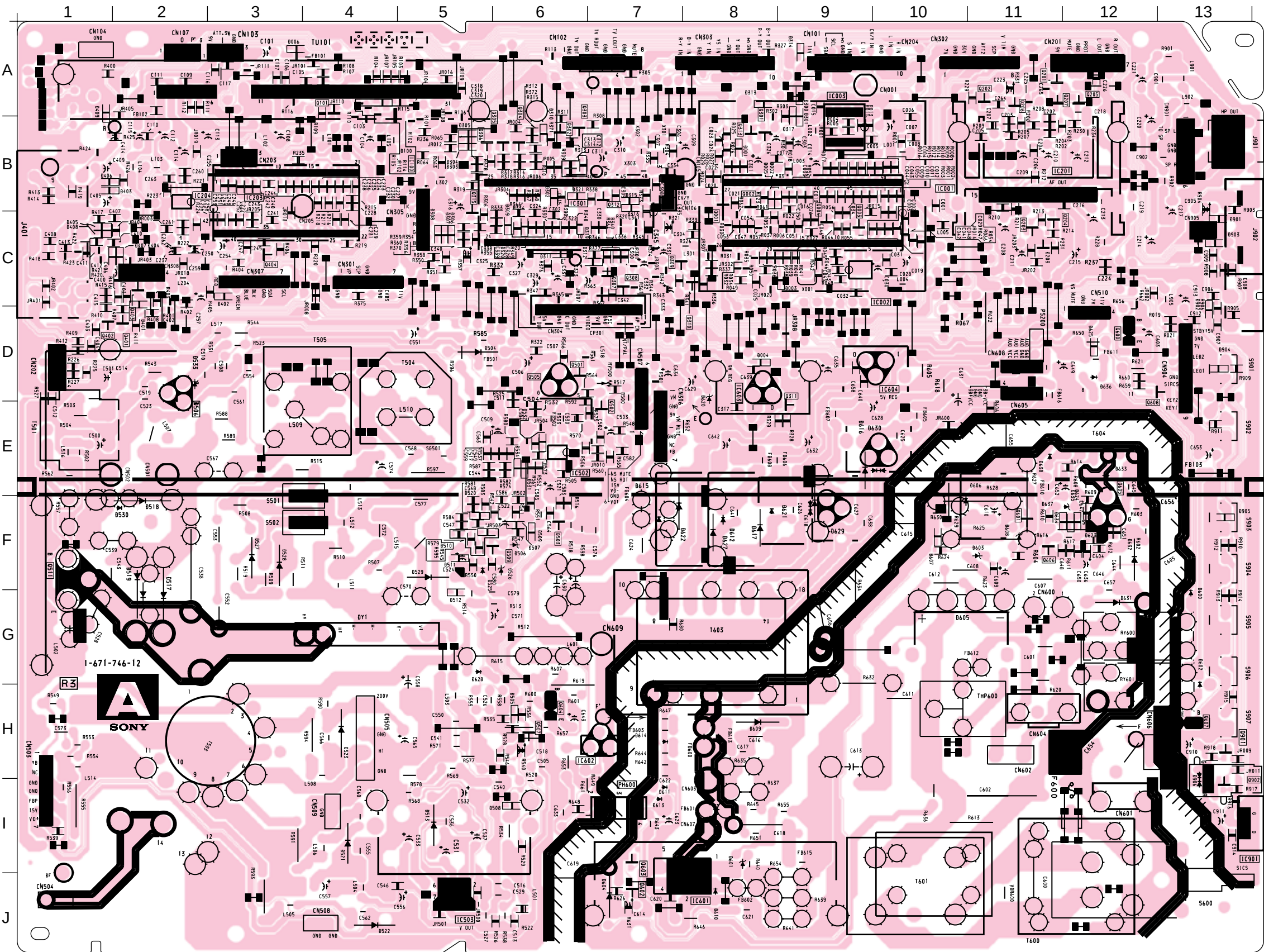
RESISTOR	: RN	METAL FILM
	: RC	SOLID
	: FPRD	NONFLAMMABLE CARBON
	: FUSE	NONFLAMMABLE FUSIBLE
	: RS	NONFLAMMABLE METAL OXIDE
	: RB	NONFLAMMABLE CEMENT
	: RV	NONFLAMMABLE WIREWOUND
	: *	ADJUSTMENT RESISTOR
COIL	: LF-8L	MICRO INDUCTOR
CAPACITOR	: TA	TANTALUM
	: PS	STYROL
	: PP	POLYPROPYLENE
	: PT	MYLAR
	: MPS	METALIZED POLYESTER
	: MPP	METALIZED POLYPROPYLENE
	: ALB	BIPOLAR
	: ALT	HIGH TEMPERATURE
	: ALR	HIGH RIPPLE

Note: The component identified by shading and mark are critical for safety. Replace only with part number specified.

PRINTED WIRING BOARD

A [MAIN TUNER, VIF, SIF, AV SW Y/C DECODE JUNGLE,]
[POWER SUPPLY, DEFLECTION]

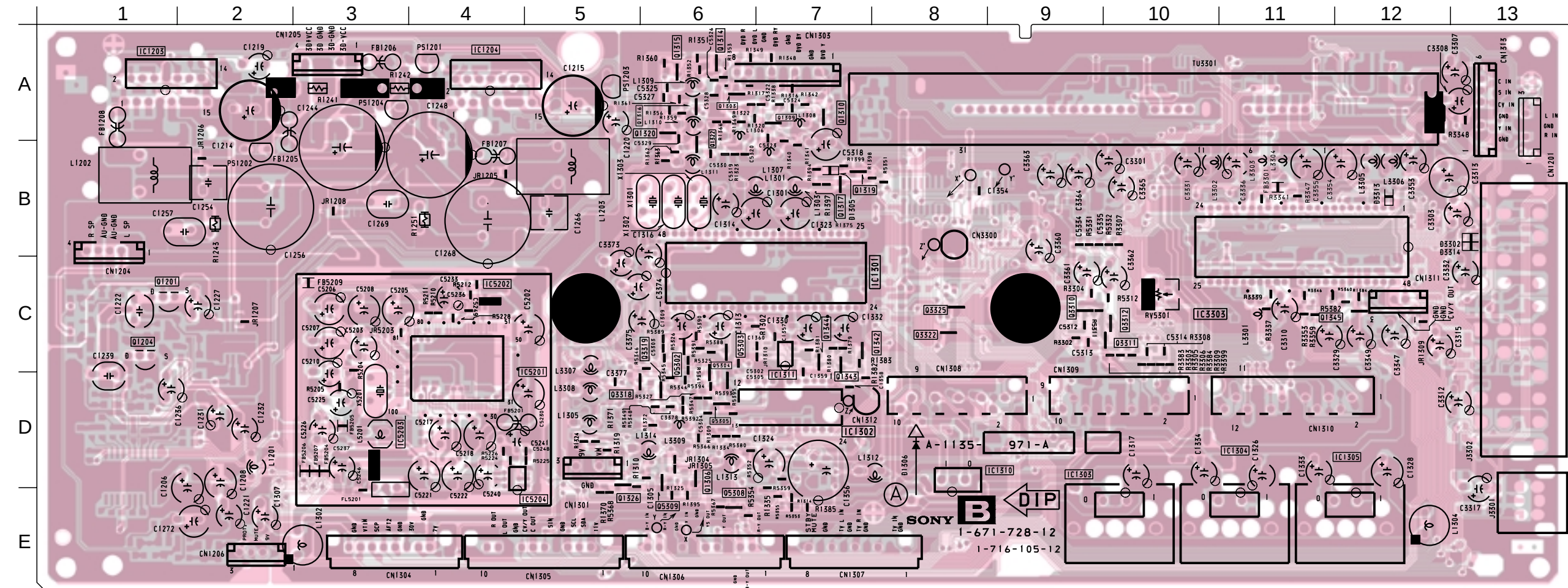
- A Board -



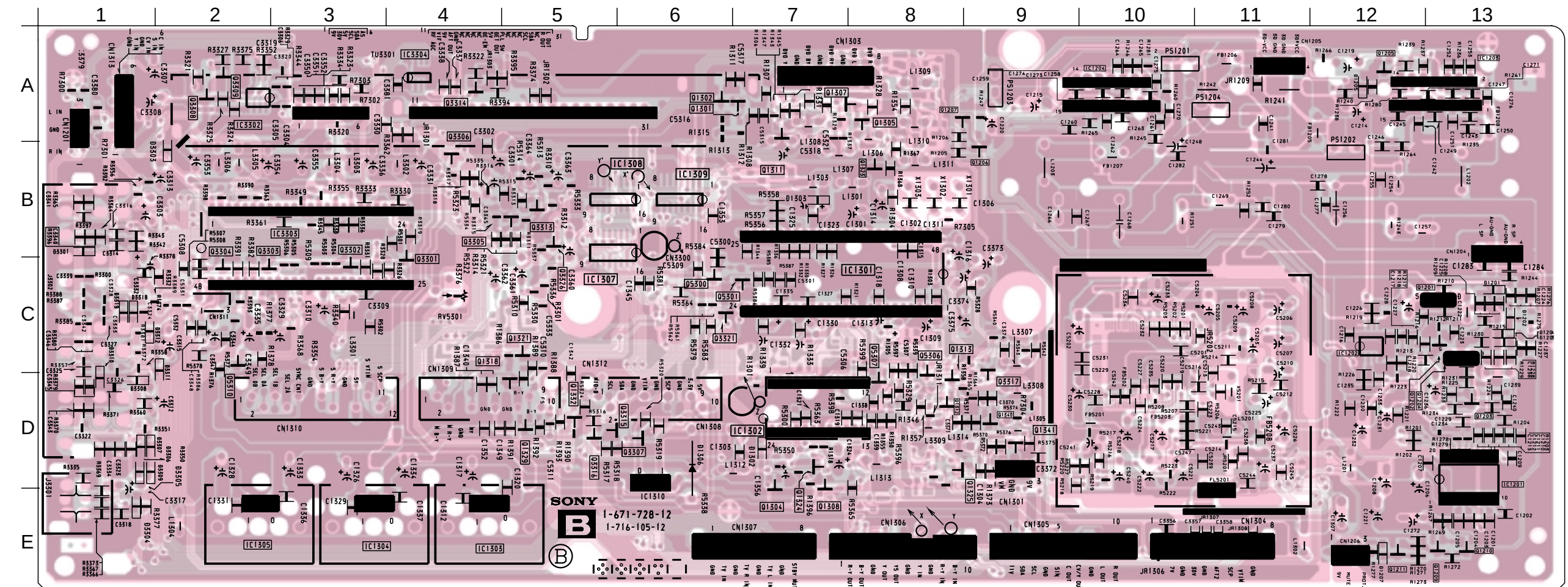
NOTE:
The circuit indicated at left contains high voltage of over 600 Vp-p. Please pay attention when inspecting or repairing it to prevent an electric shock.

F_[AC IN]

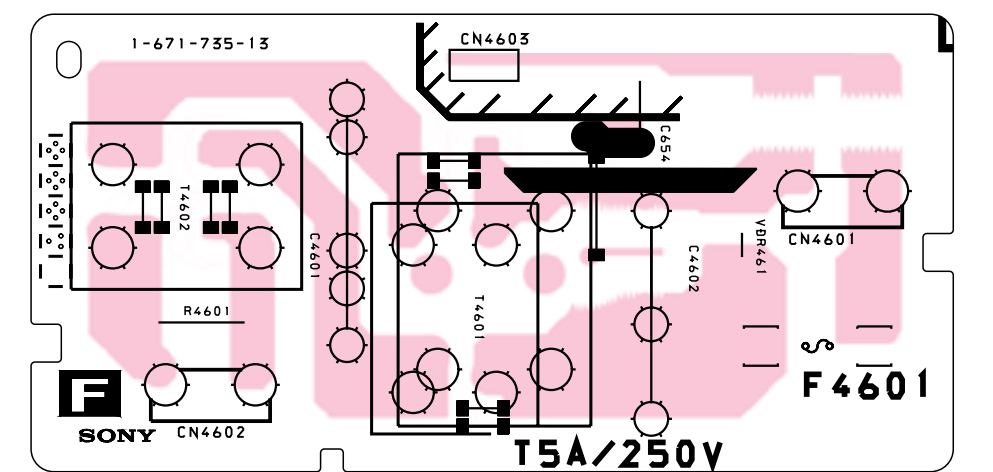
- B Board -



- :Pattern from the side which enables seeing.
- :Pattern of the rear side.

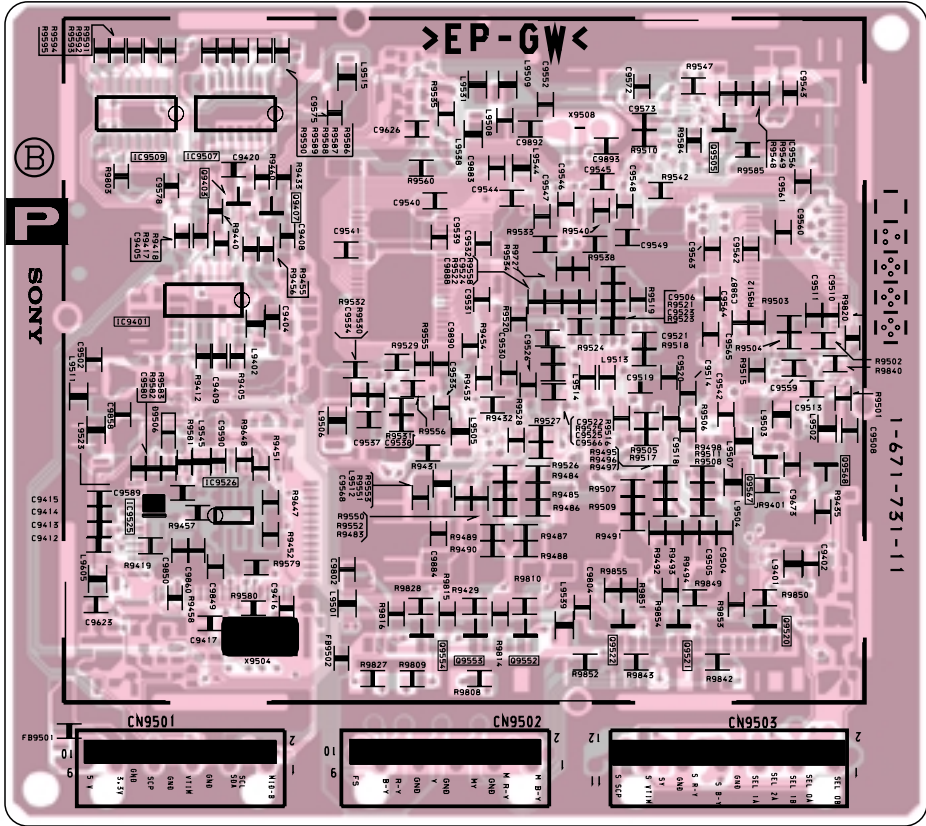
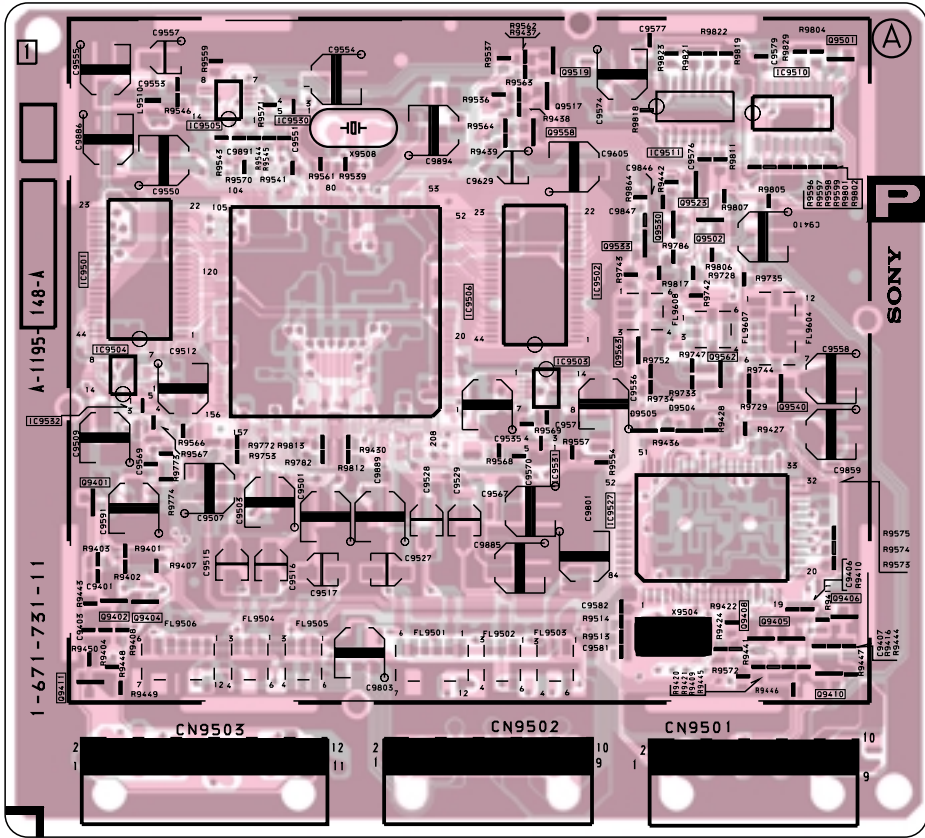


- F Board -



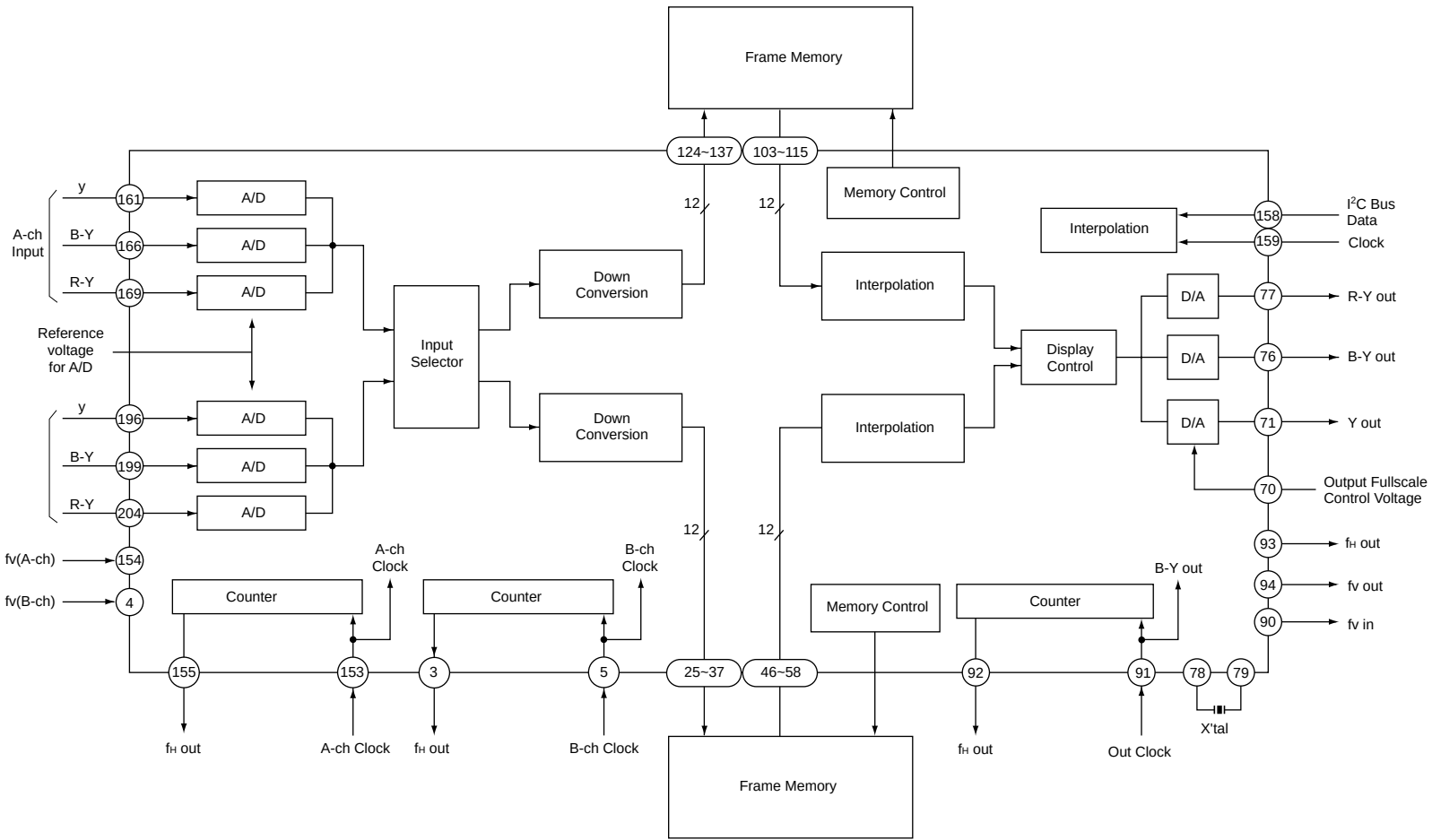
P [MULTI IMAGE DRIVER]

– P Board –



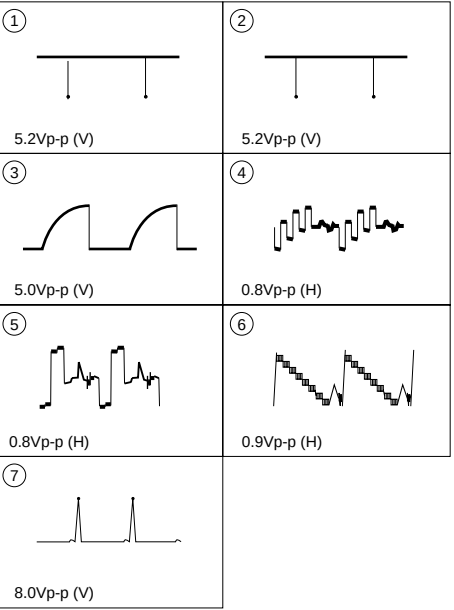
-  :Pattern from the side which enables seeing.
-  :Pattern of the rear side.

P BOARD IC9506 CXD2079Q



P BOARD WAVEFORMS

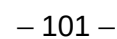
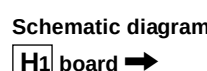
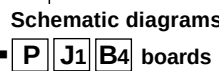
P (2/3) BOARD WAVEFORMS



A



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

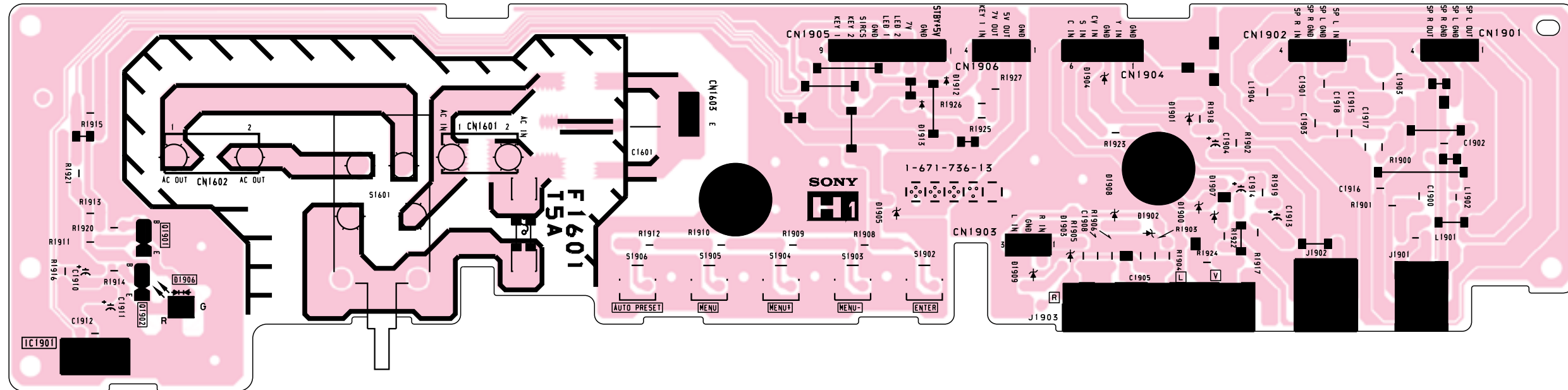


H1 [CONTROL S/W, INPUT TERMINAL]

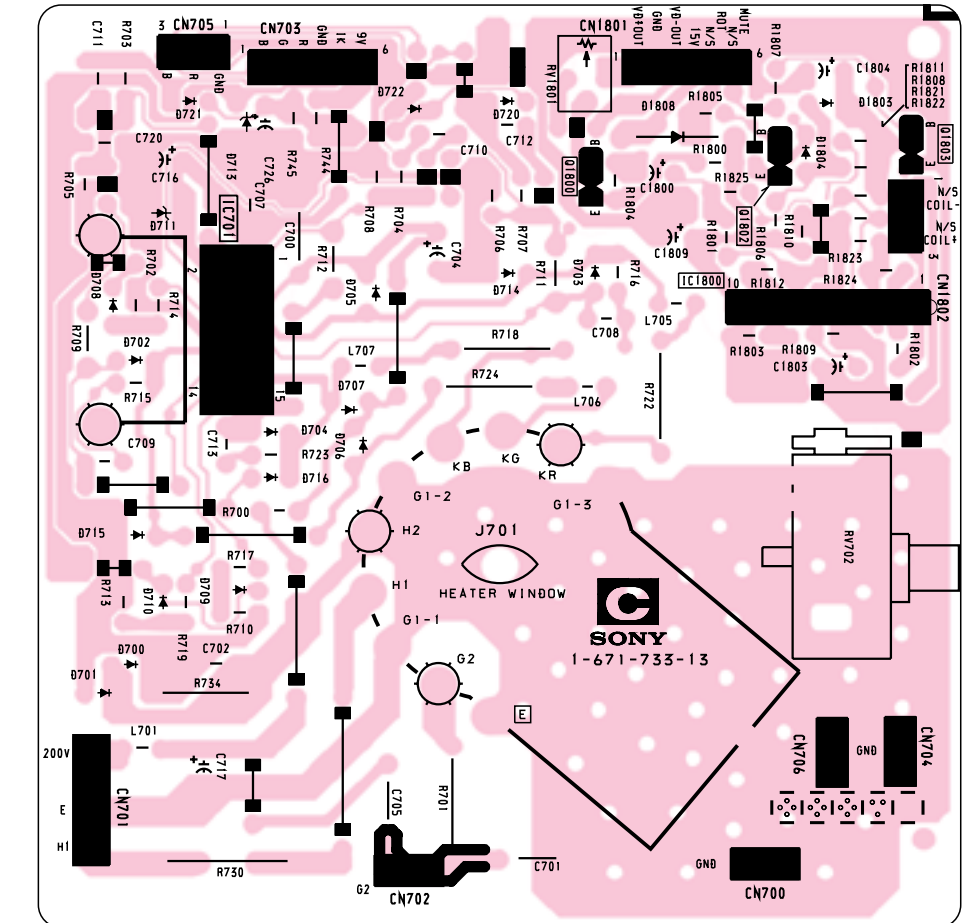
C [RGB OUT]

PRINTED WIRING BOARDS

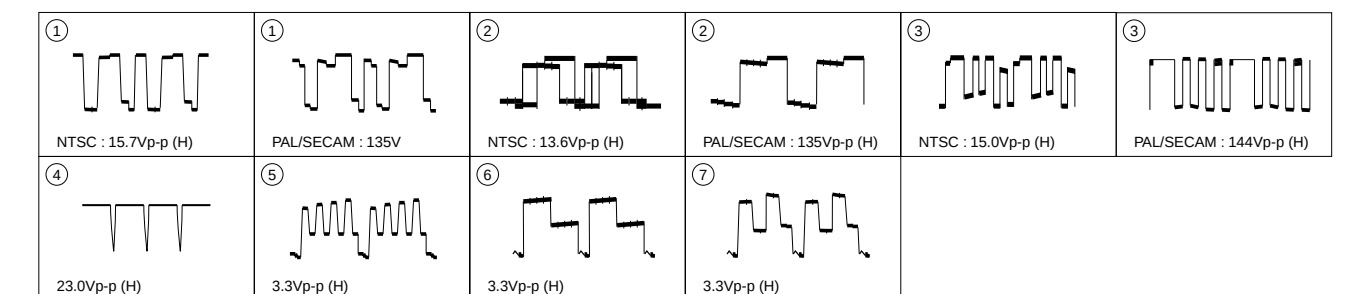
– H1 Board –



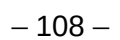
- C Board -



C BOARD WAVEFORMS



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----

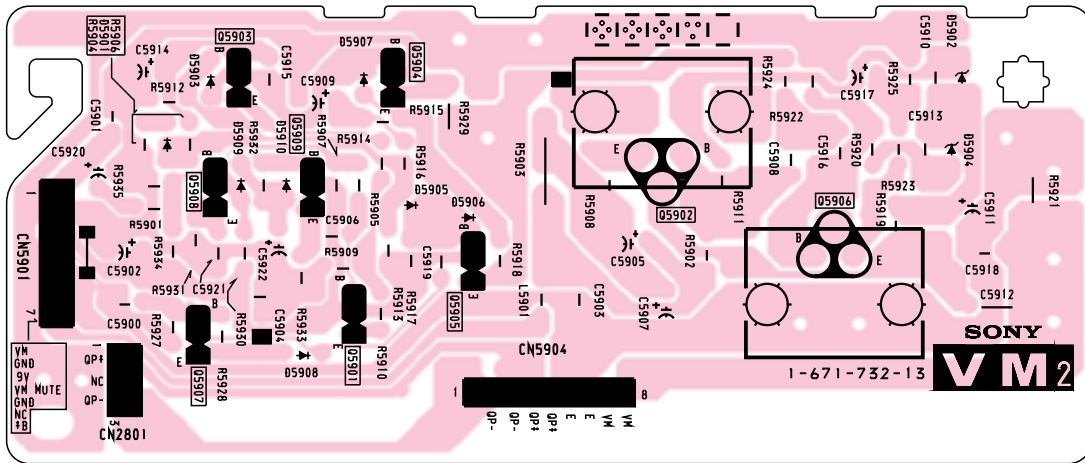


VM2 [VELOCITY MODULATION]

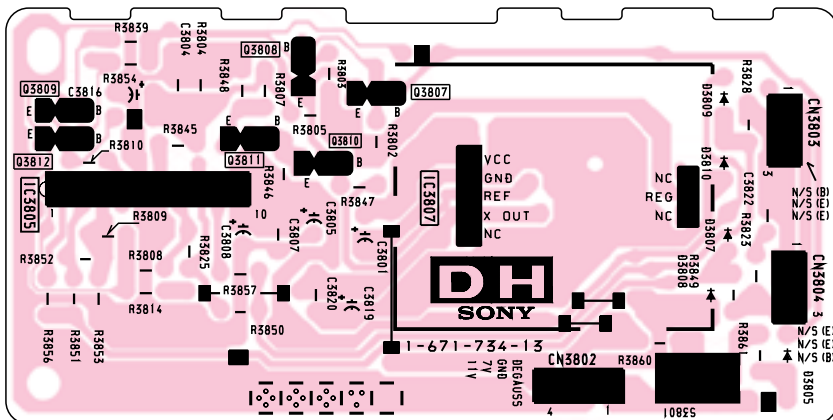
DH [N/S COIL DRIVE]

PRINTED WIRING BOARDS

– VM2 Board –



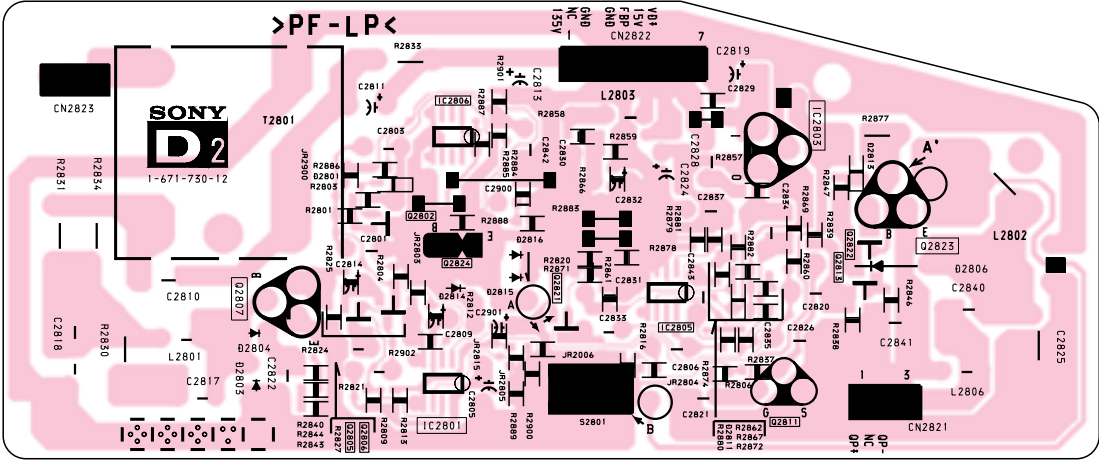
– DH Board –



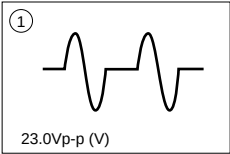
D2 [ROTATION CIRCUIT, V-PIN CORRECTION
PICTURE ROTATION CONTROL, V-PIN CONTROL]

PRINTED WIRING BOARD

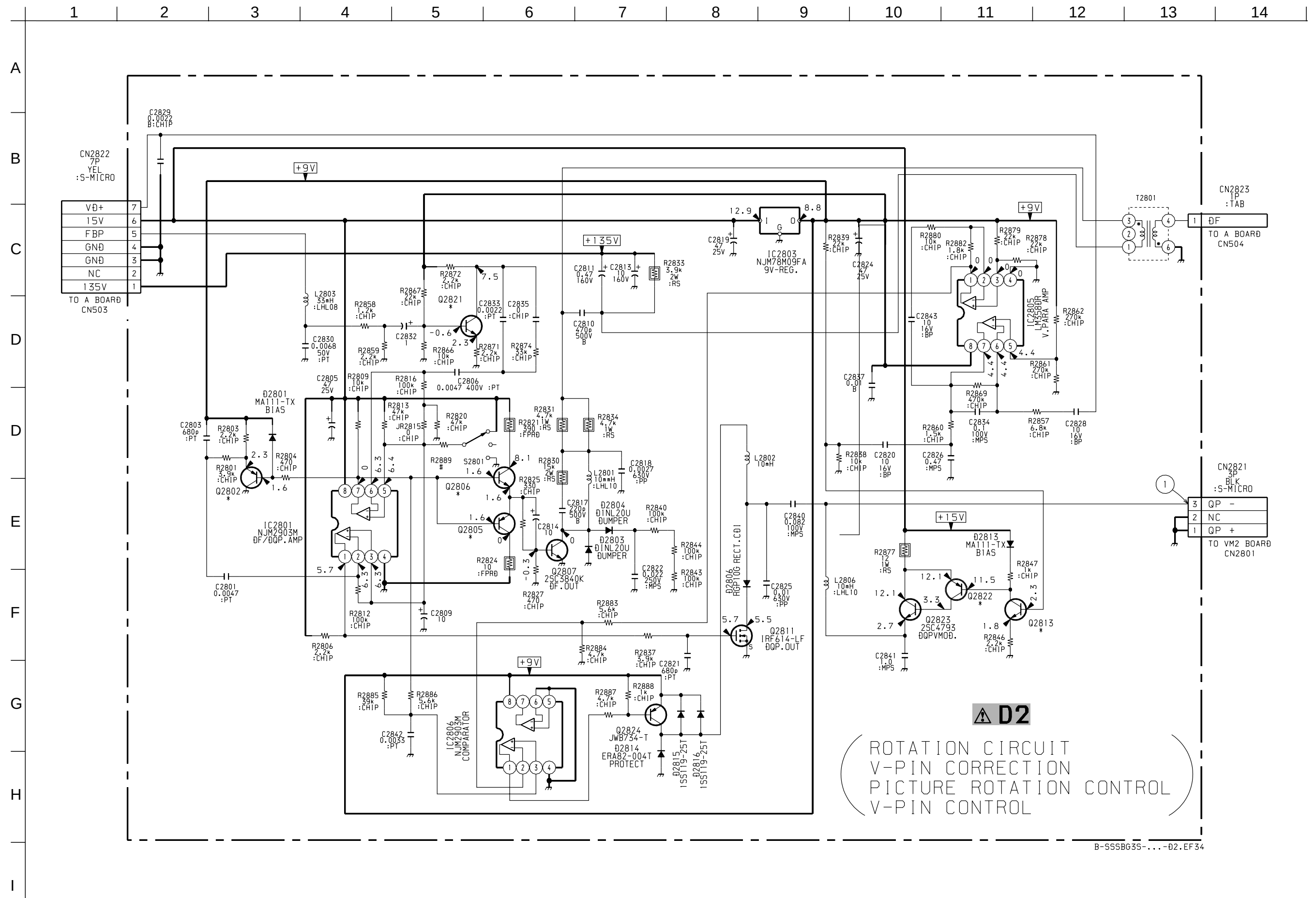
- D2 Board -



D2 BOARD WAVEFORMS



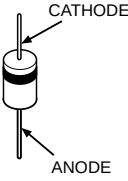
(10) Schematic Diagram of D2 Board



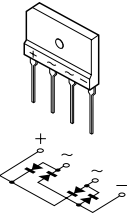
5-5. SEMICONDUCTORS

DIODE

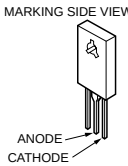
AK04V0
AU-01Z-V1
D2L20U
EL1Z
ERA22-08
GP08D
HSS83TD
RD33EB3T
RGP02-17EL-6433



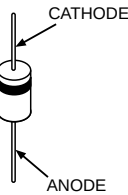
D4SB60L



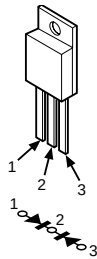
D5LC20U



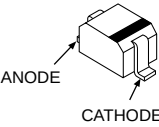
ERC04-06SE



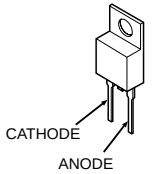
FMU-G26S



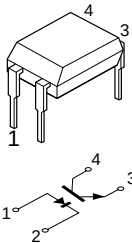
MA111
1SS355



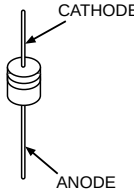
D5S6M



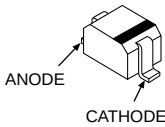
ON3171-R



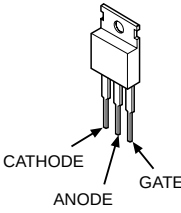
D1NS4
D1N20R
RD11ES-B3
RD20ES-B2
RD30ESB2
RD39ES-B2
RD6.8ES-B1
RD9.1ES-L2
1SS119-25
11EFS2
11EQS04



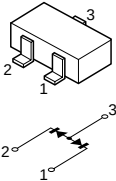
RD10S-B
RD15SB2
RD5.1SB-T2
RD5.6S-B
RD9.1S-B



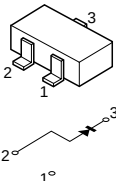
5P6M



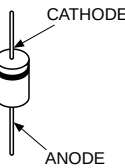
DAP202K



RD3.3M-B2
RD5.6M-B2
02CZ6.2-TE85L

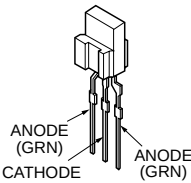


D1NL20U



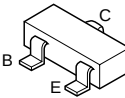
LED

SPB-26MVWF

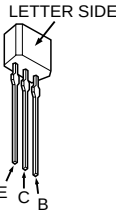


TRANSISTOR

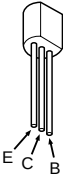
DTA114EKA-T146
DTC114EK
2SA1037AK-T146-R
2SA1162-G
2SC1623-L5L6
2SC2712-YG
2SD2114K



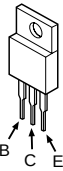
TR DTC144EKA
DTC144ESA
2SA1175-HFE
2SC2785-HFE



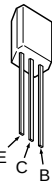
2SA1091-O



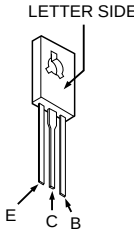
2SA1837
2SD2394-EF



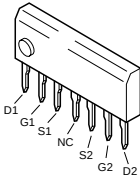
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2SC3840(3)



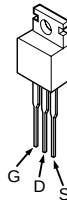
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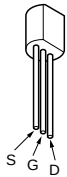
2SB734-34
2SD774-34



IRF614

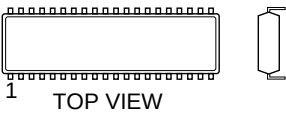


2SK246-GR



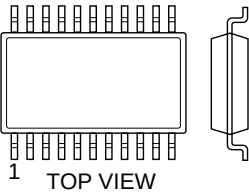
IC

CXA1855S (48PIN)
CXA2130S (64PIN)
CXP86332-008S (64PIN)
CXP750097-001S (52PIN)
SAA5261 (52PIN)
STV5112 (15PIN)
ST24C08FB6 (8PIN)
TDA7481 (15PIN)
TDA9178 (24PIN)



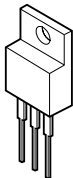
Dual In-line Package
Pin 6~98

BA7606F (16PIN)
HEF4053BT (16PIN)
LM358D (8PIN)
MC74F163AM (16PIN)
MM1115XFBF (8PIN)
MM1319AFBE (7PIN)
NJM2903M (8PIN)
SN74LS164NS (14PIN)
SN74LS221NS (16PIN)
TDA7315D013TR (20PIN)
TLC2932IPW (14PIN)
μPC4558G2 (8PIN)

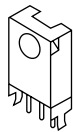


Single In-line Package
Pin 6~98

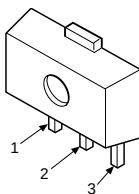
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NJM78M09FA
TA7805S



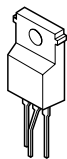
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SBX3005-01



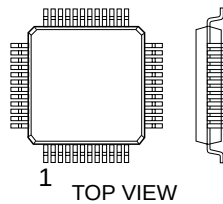
S-80743AL-A7-S



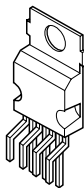
SE-135N



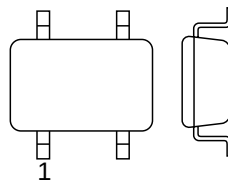
MSM548331TS-K (100PIN)



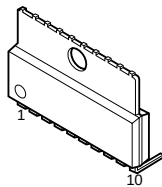
TDA8172



PST9143NL (5PIN)

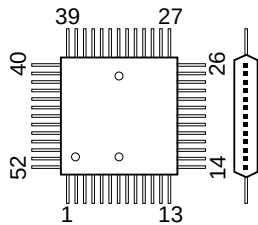


LA6510



RU-1P

MARKING SIDE
VIEW



SECTION 6
EXPLODED VIEWS

NOTE:

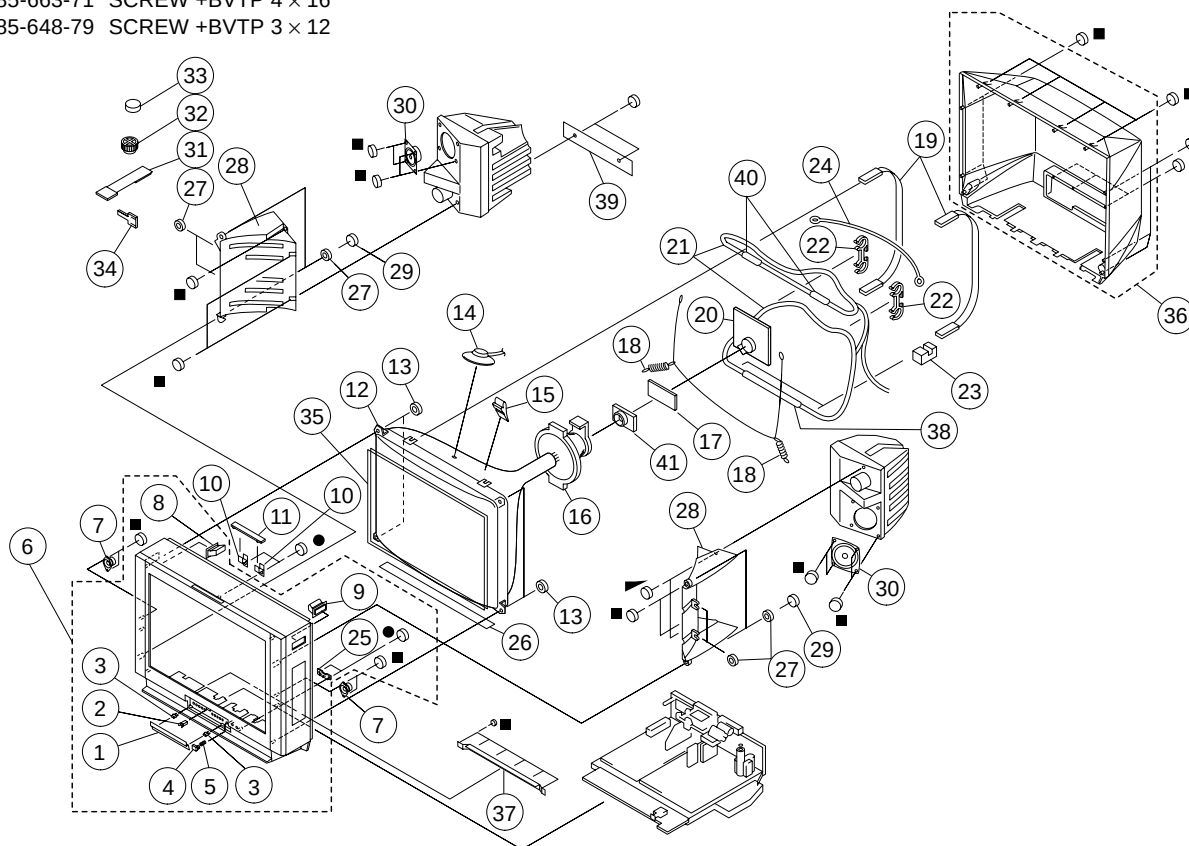
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

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

6-1. PICTURE TUBE

■: 7-685-663-71 SCREW +BVTP 4 × 16

●: 7-685-648-79 SCREW +BVTP 3 × 12

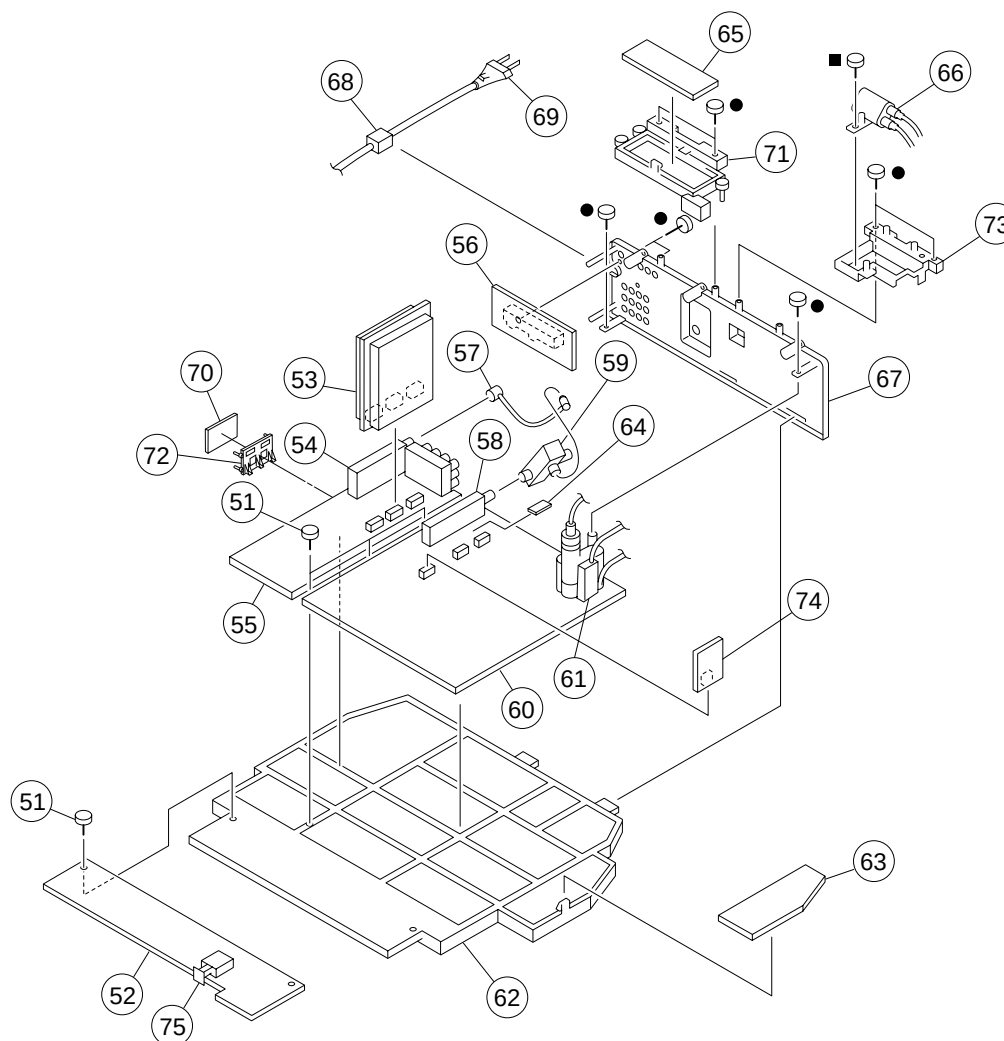


REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
1	X-4036-926-1	DOOR ASSY, CONTROL		23	* 4-062-938-03	SUPPORTER, CRT	
2	4-047-464-01	CATCHER, PUS		24	4-067-455-01	BAND, DGC	
3	4-045-250-21	DAMPER		25	* 4-062-939-02	GUIDE, LIGHT	
4	4-062-942-01	BUTTON, POWER		26	4-067-447-01	SHEET, BLOTTING	
5	4-036-405-01	SPRING, COMPRESSION		27	4-374-745-11	CUSHION (A)	
6	X-4036-925-1	BEZNET ASSY		28	4-066-041-01	DUCT, SPEAKER	
7	1-505-474-11	SPEAKER (5CM)		29	4-064-929-02	SCREW, TP+TWH 4X25	
8	X-4035-873-2	HANDLE ASSY (LEFT)		30	1-505-473-11	SPEAKER (12CM)	
9	X-4035-874-2	HANDLE ASSY (RIGHT)		31	4-051-734-21	PIECE B(120), CONV. CORRECT	
10	* 4-062-943-01	HOLDER, TOP SWITCH		32	1-452-094-00	CIRCULAR DISC MAGNET B	
11	1-771-360-11	SWITCH, TOP		33	1-452-032-00	MAGNET, DISC	
12	$\triangle$ 8-735-062-05	PICTURE TUBE (A80LPD10X)		34	2-163-920-01	PLATE, TLH CORRECTION	
13	4-387-204-01	NUT, SPECIAL, CRT		35	1-416-871-11	COIL, LANDING CORRECTION	
14	$\triangle$ 1-251-756-31	CAP ASSY, HIGH-VOLTAGE		36	X-4036-339-1	COVER ASSY, REAR	
15	4-046-600-01	SPACER, DY		37	X-4036-434-2	ASSY, SUPPORT (H), MASK	
16	$\triangle$ 8-451-499-11	DEFLECTION YOKE (Y34RSA-M)		38	4-4066-886-01	CUSHION (160X45)	
17	A-1342-440-A	VM2 MOUNT		39	4-4068-333-01	STAY, SPEAKER	
18	4-065-852-01	SPRING, EXTENSION		40	4-4069-480-01	CUSHION	
19	4-067-087-01	HOLDER (C), DGC		41	$\triangle$ 8-453-007-31	NECK ASSY NA234-M3	
20	A-1331-868-A	C MOUNT					
21	1-419-290-11	COIL, DEMAGNETIC					
22	4-067-221-02	CLIP, DGC					

6-2. CHASSIS

●: 7-685-648-71 SCREW +BVTP 3 × 12

■: 7-685-663-71 SCREW +BVTP 4 × 16



REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
51	4-046-797-01	SCREW (3X12), (+)BVTAP		66	△ 1-467-525-21	CAP BLOCK, HIGH-VOLTAGE	
52	* A-1372-556-A	H1 MOUNT		67	4-066-684-01	BRACKET, TERMINAL	
53	* A-1195-148-B	P COMPLETE		68	4-022-115-00	HOLER, AC CORD	
54	* 8-598-477-10	TUNER, FSS BTF-WG411		69	△ 1-575-023-11	CORD, POWER (WITH CONNECTOR) 6A/250V	
55	* A-1136-034-A	B COMPLETE		70	* A-1241-340-A	F MOUNT	
56	* A-1388-226-A	J1 MOUNT		71	* 4-066-683-03	HOLDER, PWB	
57	* 1-555-110-00	P-P CABLE		72	* 4-066-682-01	BRACKET, F PWB	
58	* 8-598-476-00	TUNER, FSS BTF-FG401		73	4-066-680-02	BRACKET, HVC	
59	1-251-658-21	SPLITTER RF		74	8-742-166-00	HYB IC SBX3005-01	
60	* A-1299-008-A	A COMPLETE		75	△ 1-571-433-21	SWITCH, PUSH (AC POWER)	
61	△ X-4036-321-1	TRANSFORMER ASSY, FLYBACK (NX-4009//J1A4)					
62	* 4-066-681-03	BRACKET, MAIN					
63	* A-1343-584-B	D2 MOUNT					
64	* A-1131-391-A	B4 MOUNT					
65	* A-1343-716-A	DH MOUNT					

SECTION 7

ELECTRICAL PARTS LIST



NOTE:

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

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

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- All resistors are in ohms
- F : nonflammable
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- CAPACITORS
 - MF : μ F, PF : μ μ F
- COILS
 - MMH : mH, UH : μ H

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
	* A-1299-008-A	A COMPLETE *****					
	4-382-854-11	SCREW (M3X10), P, SW (+)		C300	1-164-505-11	CERAMIC CHIP 2.2MF	16V
	4-382-854-21	SCREW (M3X14), P, SW (+)		C301	1-126-935-11	ELECT 470MF	20% 16V
				C302	1-163-005-11	CERAMIC CHIP 470PF	10% 50V
				C304	1-126-967-11	ELECT 47MF	20% 50V
				C305	1-107-725-11	CERAMIC CHIP 0.1MF	10% 16V
		<CAPACITOR>					
C004	1-163-001-11	CERAMIC CHIP 220PF	10% 50V	C306	1-163-233-11	CERAMIC CHIP 18PF	5% 50V
C005	1-163-001-11	CERAMIC CHIP 220PF	10% 50V	C307	1-163-233-11	CERAMIC CHIP 18PF	5% 50V
C006	1-107-725-11	CERAMIC CHIP 0.1MF	10% 16V	C308	1-163-259-91	CERAMIC CHIP 220PF	5% 50V
C007	1-126-933-11	ELECT 100MF	20% 16V	C309	1-126-957-11	ELECT 0.22MF	20% 50V
C013	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V	C311	1-126-964-11	ELECT 10MF	20% 50V
C014	1-126-967-11	ELECT 47MF	20% 50V	C312	1-164-346-11	CERAMIC CHIP 1MF	16V
C015	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V	C313	1-164-346-11	CERAMIC CHIP 1MF	16V
C016	1-163-243-11	CERAMIC CHIP 47PF	5% 50V	C314	1-164-346-11	CERAMIC CHIP 1MF	16V
C017	1-163-113-00	CERAMIC CHIP 68PF	5% 50V	C315	1-107-725-11	CERAMIC CHIP 0.1MF	10% 16V
C019	1-104-665-11	ELECT 100MF	20% 25V	C316	1-126-935-11	ELECT 470MF	20% 16V
C022	1-163-227-11	CERAMIC CHIP 10PF	0.5PF 50V	C317	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C023	1-163-227-11	CERAMIC CHIP 10PF	0.5PF 50V	C318	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C024	1-163-227-11	CERAMIC CHIP 10PF	0.5PF 50V	C319	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C026	1-107-725-11	CERAMIC CHIP 0.1MF	10% 16V	C320	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C027	1-107-725-11	CERAMIC CHIP 0.1MF	10% 16V	C322	1-163-005-11	CERAMIC CHIP 470PF	10% 50V
C028	1-163-037-11	CERAMIC CHIP 0.022MF	10% 50V	C323	1-126-933-11	ELECT 100MF	20% 16V
C030	1-126-965-11	ELECT 22MF	20% 50V	C324	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
C031	1-107-725-11	CERAMIC CHIP 0.1MF	10% 16V	C325	1-126-960-11	ELECT 1MF	20% 50V
C032	1-107-823-11	CERAMIC CHIP 0.47MF	10% 16V	C326	1-126-964-11	ELECT 10MF	20% 50V
C034	1-163-031-11	CERAMIC CHIP 0.01MF	50V	C327	1-126-965-11	ELECT 22MF	20% 50V
C041	1-163-251-11	CERAMIC CHIP 100PF	5% 50V	C328	1-107-725-11	CERAMIC CHIP 0.1MF	10% 16V
C042	1-163-251-11	CERAMIC CHIP 100PF	5% 50V	C329	1-126-965-11	ELECT 22MF	20% 50V
C043	1-163-251-11	CERAMIC CHIP 100PF	5% 50V	C330	1-107-725-11	CERAMIC CHIP 0.1MF	10% 16V
C044	1-163-251-11	CERAMIC CHIP 100PF	5% 50V	C331	1-126-964-11	ELECT 10MF	20% 50V
C047	1-163-251-11	CERAMIC CHIP 100PF	5% 50V	C332	1-126-963-11	ELECT 4.7MF	20% 50V
C101	1-126-964-11	ELECT 10MF	20% 50V	C335	1-107-725-11	CERAMIC CHIP 0.1MF	10% 16V
C103	1-107-725-11	CERAMIC CHIP 0.1MF	10% 16V	C336	1-107-725-11	CERAMIC CHIP 0.1MF	10% 16V
C104	1-126-933-11	ELECT 100MF	20% 16V	C337	1-126-961-11	ELECT 2.2MF	20% 50V
C106	1-163-809-11	CERAMIC CHIP 0.047MF	10% 25V	C338	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
C107	1-163-005-11	CERAMIC CHIP 470PF	10% 50V	C341	1-115-340-11	CERAMIC CHIP 0.22MF	10% 25V
C108	1-126-933-11	ELECT 100MF	20% 16V	C502	1-163-145-00	CERAMIC CHIP 0.0015MF	5% 50V
C109	1-163-005-11	CERAMIC CHIP 470PF	10% 50V	C503	1-126-964-11	ELECT 10MF	20% 50V
C110	1-163-005-11	CERAMIC CHIP 470PF	10% 50V	C504	1-163-007-11	CERAMIC CHIP 680PF	10% 50V
C111	1-163-005-11	CERAMIC CHIP 470PF	10% 50V	C506	1-107-638-11	ELECT 33MF	20% 160V
C112	1-126-933-11	ELECT 100MF	20% 16V	C507	1-102-244-00	CERAMIC 220PF	10% 500V
C113	1-126-967-11	ELECT 47MF	20% 50V	C510	1-102-074-00	CERAMIC 0.001MF	10% 50V
C114	1-126-967-11	ELECT 47MF	20% 50V	C513	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C115	1-126-967-11	ELECT 47MF	20% 50V	C514	1-106-383-00	MYLAR 0.047MF	10% 200V
C116	1-107-725-11	CERAMIC CHIP 0.1MF	10% 16V	C517	1-164-182-11	CERAMIC CHIP 0.0033MF	10% 50V
C117	1-107-725-11	CERAMIC CHIP 0.1MF	10% 16V	C518	1-126-933-11	ELECT 100MF	20% 16V

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

A

REF. NO.	PART NO.	DESCRIPTION	REMARK		
C519	1-102-212-00	CERAMIC	820PF	10%	500V
C521	1-104-666-11	ELECT	220MF	20%	25V
C522	1-126-933-11	ELECT	100MF	20%	16V
C523	1-162-318-11	CERAMIC	0.001MF	10%	500V
C524	1-126-967-11	ELECT	47MF	20%	50V
C526	1-130-495-00	MYLAR	0.1MF	5%	50V
C527	1-102-820-00	CERAMIC	330PF	5%	50V
C528	1-162-116-00	CERAMIC	680PF	10%	2KV
C530	1-137-372-11	FILM	0.022MF	5%	50V
C531	1-107-903-11	ELECT	2.2MF	20%	50V
C532	1-128-528-11	ELECT	470MF	20%	25V
C533	1-128-528-11	ELECT	470MF	20%	25V
C536	1-136-165-00	FILM	0.1MF	5%	50V
C537	1-107-911-11	ELECT	220MF	20%	50V
C538	1-136-544-11	FILM	0.023MF	3%	2KV
C539	1-130-118-91	FILM	0.051MF	5%	400V
C540	1-136-171-00	FILM	0.33MF	5%	50V
C543	1-162-116-00	CERAMIC	680PF	10%	2KV
C546	1-165-319-11	CERAMIC CHIP	0.1MF		50V
C549	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C550	1-106-220-00	MYLAR	0.1MF	10%	100V
C551	1-126-960-11	ELECT	1MF	20%	50V
C552	1-162-116-00	CERAMIC	680PF	10%	2KV
C553	1-162-116-00	CERAMIC	680PF	10%	2KV
C554	1-106-361-00	MYLAR	0.0056MF	10%	100V
C556	1-128-528-11	ELECT	470MF	20%	25V
C557	1-126-941-11	ELECT	470MF	20%	25V
C558	1-123-024-21	ELECT	33MF		160V
C560	1-102-228-00	CERAMIC	470PF	10%	500V
C561	1-129-928-00	FILM	0.0027MF	5%	630V
C562	1-102-228-00	CERAMIC	470PF	10%	500V
C563	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C564	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C565	1-107-655-11	ELECT	47MF	20%	250V
C566	1-102-244-00	CERAMIC	220PF	10%	500V
C567	1-109-961-11	FILM	0.75MF	5%	250V
C568	1-102-228-00	CERAMIC	470PF	10%	500V
C570	1-117-674-71	FILM	1.8MF	5%	250V
C572	1-115-514-11	FILM	0.22MF	5%	250V
C573	1-106-387-00	MYLAR	0.068MF	10%	200V
C574	1-104-709-11	ELECT	4.7MF	0	160V
C576	1-130-495-00	MYLAR	0.1MF	5%	50V
C577	1-115-516-11	FILM	0.33MF	5%	250V
C600 Δ	1-104-705-11	FILM	0.1MF	20%	250V
C601	1-130-202-00	FILM	0.022MF	5%	400V
C603	1-126-967-11	ELECT	47MF	20%	50V
C604	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V
C605 Δ	1-119-886-51	CERAMIC	470PF	10%	250V
C606 Δ	1-119-886-51	CERAMIC	470PF	10%	250V
C607	1-161-830-00	CERAMIC	0.0047MF	99%	500V
C608	1-161-830-00	CERAMIC	0.0047MF	99%	500V
C609	1-126-968-11	ELECT	100MF	20%	50V
C610	1-126-964-11	ELECT	10MF	20%	50V
C611	1-161-830-00	CERAMIC	0.0047MF	99%	500V
C612	1-161-830-00	CERAMIC	0.0047MF	99%	500V
C613	1-113-611-11	ELECT(BLOCK)	820MF	20%	250V
C614	1-126-964-11	ELECT	10MF	20%	50V

REF. NO.	PART NO.	DESCRIPTION	REMARK		
C615 Δ	1-119-886-51	CERAMIC	470PF	10%	250V
C616	1-130-202-00	FILM	0.022MF	5%	400V
C617	1-107-792-11	CERAMIC	100PF	5%	1KV
C618	1-125-893-11	FILM	680PF	3%	1.5KV
C619 Δ	1-119-886-51	CERAMIC	470PF	10%	250V
C620	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C621	1-102-824-00	CERAMIC	470PF	5%	50V
C622	1-102-119-00	CERAMIC	0.0015MF	10%	50V
C623	1-104-665-11	ELECT	100MF	20%	25V
C624	1-125-772-91	CERAMIC	1500PF	10%	2KV
C625	1-102-002-00	CERAMIC	680PF	10%	500V
C626	1-102-002-00	CERAMIC	680PF	10%	500V
C629	1-126-964-11	ELECT	10MF	20%	50V
C630	1-125-494-11	ELECT(BLOCK)	560MF	20%	160V
C631	1-128-550-11	ELECT	2200MF	20%	50V
C632	1-126-936-11	ELECT	3300MF	20%	16V
C633	1-104-999-11	MYLAR	0.1MF	10%	200V
C634	1-126-934-11	ELECT	220MF	20%	16V
C635	1-104-665-11	ELECT	100MF	20%	10V
C636	1-104-760-11	CERAMIC CHIP	0.047MF	10%	50V
C638	1-161-830-00	CERAMIC	0.0047MF		500V
C641	1-102-002-00	CERAMIC	680PF	10%	500V
C642	1-107-890-11	ELECT	2200MF	20%	25V
C643	1-126-933-11	ELECT	100MF	20%	16V
C644	1-104-331-11	CERAMIC	0.0022MF	10%	1KV
C645	1-137-605-11	FILM	0.01MF	10%	250V
C646	1-107-679-91	ELECT	10MF	20%	450V
C647	1-163-275-11	CERAMIC CHIP	0.001MF	5%	50V
C649	1-126-940-11	ELECT	330MF	20%	25V
C650	1-163-275-11	CERAMIC CHIP	0.001MF	5%	50V
C651	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C652	1-126-965-11	ELECT	22MF	20%	50V
C653	1-126-967-11	ELECT	47MF	20%	50V
C655 Δ	1-119-886-51	CERAMIC	470PF	10%	250V
C657	1-101-821-00	CERAMIC	0.0022MF		500V
C912	1-107-725-11	CERAMIC CHIP	0.1MF	10%	16V
C913	1-126-933-11	ELECT	100MF	20%	16V
<CONNECTOR>					
CN101 *	1-779-890-11	CONNECTOR, BOARD TO BOARD	10P		
CN102 *	1-779-889-11	CONNECTOR, BOARD TO BOARD	8P		
CN104	1-695-915-11	TAB (CONTACT)			
CN105 *	1-508-784-21	PIN, CONNECTOR (5MM PITCH)	1P		
CN106 *	1-564-506-11	PLUG, CONNECTOR	3P		
CN201 *	1-564-506-11	PLUG, CONNECTOR	3P		
CN202 *	1-508-847-00	PIN, CONNECTOR	4P		
CN302 *	1-779-889-11	CONNECTOR, BOARD TO BOARD	8P		
CN303 *	1-779-890-11	CONNECTOR, BOARD TO BOARD	10P		
CN304 *	1-766-955-11	CONNECTOR, BOARD TO BOARD	11P		
CN501 *	1-508-784-21	PIN, CONNECTOR (5MM PITCH)	1P		
CN503 *	1-564-510-11	PLUG, CONNECTOR	7P		
CN504	1-695-915-11	TAB (CONTACT)			
CN505 *	1-508-766-00	PIN, CONNECTOR (5MM PITCH)	4P		
CN508	1-695-915-11	TAB (CONTACT)			
CN510 *	1-564-507-11	PLUG, CONNECTOR	4P		
CN601 *	1-580-843-11	PIN, CONNECTOR (POWER)			



REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
CN602	* 1-508-786-00	PIN, CONNECTOR (5MM PITCH) 2P		D609	8-719-311-31	DIODE RU-1P	
CN603	* 1-508-784-21	PIN, CONNECTOR (5MM PITCH) 1P		D610	8-719-043-76	DIODE AK04V0	
CN604	* 1-573-963-11	PIN, CONNECTOR (PC BOARD) 3P					
CN605	* 1-564-507-11	PLUG, CONNECTOR 4P		D611	8-719-987-67	DIODE 11EFS2	
CN607	* 1-508-784-21	PIN, CONNECTOR (5MM PITCH) 1P		D612	8-719-071-38	DIODE D5S6M	
CN904	* 1-564-512-11	PLUG, CONNECTOR 9P		D613	8-719-987-67	DIODE 11EFS2	
				D614	8-719-987-67	DIODE 11EFS2	
				D620	8-719-110-72	DIODE RD30ESB2	
		<DIODE>					
D001	8-719-073-01	DIODE MA111-(K8).S0		D621	8-719-071-38	DIODE D5S6M	
D002	8-719-073-01	DIODE MA111-(K8).S0		D621	8-719-312-08	DIODE FMB-G16L	
D003	8-719-073-01	DIODE MA111-(K8).S0		D622	8-719-071-39	DIODE FMU-G26S	
D004	8-719-073-01	DIODE MA111-(K8).S0		D623	8-719-158-57	DIODE RD15SB2	
D005	8-719-073-01	DIODE MA111-(K8).S0		D624	8-719-073-01	DIODE MA111-(K8).S0	
D006	1-216-295-91	SHORT 0		D625	8-719-158-39	DIODE RD10SB	
D300	8-719-073-01	DIODE MA111-(K8).S0		D628	8-719-911-19	DIODE 1SS119-25	
D301	8-719-073-01	DIODE MA111-(K8).S0		D630	8-719-510-37	DIODE D5LC20U	
D303	8-719-073-01	DIODE MA111-(K8).S0		D631	8-719-068-00	DIODE ERC04-06SE	
D304	8-719-073-01	DIODE MA111-(K8).S0		D632	8-719-068-00	DIODE ERC04-06SE	
D305	8-719-073-01	DIODE MA111-(K8).S0		D633	8-719-948-45	DIODE ERA22-08	
D306	8-719-073-01	DIODE MA111-(K8).S0		D634	8-719-073-01	DIODE MA111-(K8).S0	
D307	8-719-073-01	DIODE MA111-(K8).S0		D635	8-719-073-01	DIODE MA111-(K8).S0	
D308	8-719-073-01	DIODE MA111-(K8).S0		D636	8-719-510-02	DIODE D1NS4	
D309	8-719-159-10	DIODE RD5.1SB-T2		D637	8-719-109-96	DIODE RD6.8ESB1	
				D638	8-719-510-48	DIODE D1N20R	
D311	8-719-073-01	DIODE MA111-(K8).S0				<CONNECTOR>	
D312	8-719-073-01	DIODE MA111-(K8).S0		DY1	* 1-580-798-11	CONNECTOR PIN (DY) 6P	
D313	8-719-073-01	DIODE MA111-(K8).S0					
D315	8-719-073-01	DIODE MA111-(K8).S0				<FERRITE BEAD>	
D316	8-719-158-39	DIODE RD10SB					
D317	8-719-073-01	DIODE MA111-(K8).S0		FB101	1-216-295-91	SHORT 0	
D504	8-719-302-43	DIODE EL1Z		FB102	1-216-295-91	SHORT 0	
D505	8-719-073-01	DIODE MA111-(K8).S0		FB501	1-410-397-21	FERRITE 1.1UH	
D506	8-719-911-19	DIODE 1SS119-25		FB502	1-410-397-21	FERRITE 1.1UH	
D507	8-719-073-01	DIODE MA111-(K8).S0		FB600	1-410-396-41	FERRITE 0.45UH	
D508	8-719-073-01	DIODE MA111-(K8).S0		FB601	1-410-397-21	FERRITE 1.1UH	
D509	8-719-158-15	DIODE RD5.6SB		FB602	1-410-397-21	FERRITE 1.1UH	
D510	8-719-073-01	DIODE MA111-(K8).S0		FB603	1-412-911-11	FERRITE 0UH	
D511	8-719-073-01	DIODE MA111-(K8).S0		FB604	1-410-397-21	FERRITE 1.1UH	
D512	8-719-073-01	DIODE MA111-(K8).S0		FB605	1-412-911-11	FERRITE 0UH	
D513	8-719-908-03	DIODE GP08D		FB606	1-412-911-11	FERRITE 0UH	
D517	8-719-061-21	DIODE FMQ-G5FMS		FB608	1-412-911-11	FERRITE 0UH	
D520	8-719-073-01	DIODE MA111-(K8).S0		FB611	1-410-397-21	FERRITE 1.1UH	
D521	8-719-302-43	DIODE EL1Z		FB612	1-410-397-21	FERRITE 1.1UH	
D522	8-719-028-45	DIODE D2L20U		FB613	1-410-397-21	FERRITE 1.1UH	
				FB615	1-410-397-21	FERRITE 1.1UH	
D523	8-719-302-43	DIODE EL1Z				<IC>	
D527	8-719-908-03	DIODE GP08D		IC001	8-752-905-26	IC CXP750097-008S	
D530	8-719-071-39	DIODE FMU-G26S		IC002	8-759-371-21	IC MM1319AFBE	
D531	8-719-073-01	DIODE MA111-(K8).S0		IC003	8-759-370-34	IC ST24C08FB6	
D532	8-719-073-01	DIODE MA111-(K8).S0		IC301	8-752-090-41	IC CXA2139S	
				IC502	8-759-700-07	IC NJM2903M	
D600	8-719-911-19	DIODE 1SS119-25		IC503	8-759-980-58	IC TDA8172	
D602	8-719-911-19	DIODE 1SS119-25		IC601	8-749-014-48	IC STR-F6656	
D603	8-719-150-92	DIODE RD33EB3T		IC602	8-749-920-61	IC SE-135N	
D604	8-719-028-72	DIODE RGP02-17EL-6433		IC603	8-759-701-59	IC NJM78M09FA	
D605	8-719-510-53	DIODE D4SB60L		IC604	8-759-231-53	IC TA7805S	
D606	8-719-108-18	THYRISTOR 5P6M					
D607	8-719-073-01	DIODE MA111-(K8).S0					
D608	8-719-110-53	DIODE RD20ESB2					

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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
<CHIP CONDUCTOR>				<PHOTO COUPLER>			
JR002	1-216-295-91	SHORT	0	PH600 Δ	8-749-924-35	PHOTO COUPLER ON3171-R	
JR003	1-216-295-91	SHORT	0	<TRANSISTOR>			
JR004	1-216-295-91	SHORT	0	Q001	8-729-216-22	TRANSISTOR 2SA1162-G	
JR005	1-216-295-91	SHORT	0	Q002	8-729-230-49	TRANSISTOR 2SC2712-YG	
JR006	1-216-295-91	SHORT	0	Q003	8-729-027-23	TRANSISTOR DTA114EKA-T146	
JR007	1-216-295-91	SHORT	0	Q004	8-729-900-53	TRANSISTOR DTC114EK	
JR008	1-216-295-91	SHORT	0	Q101	8-729-230-49	TRANSISTOR 2SC2712-YG	
JR009	1-216-295-91	SHORT	0	Q301	8-729-216-22	TRANSISTOR 2SA1162-G	
JR010	1-216-295-91	SHORT	0	Q304	8-729-216-22	TRANSISTOR 2SA1162-G	
JR011	1-216-295-91	SHORT	0	Q305	8-729-216-22	TRANSISTOR 2SA1162-G	
JR012	1-216-295-91	SHORT	0	Q306	8-729-216-22	TRANSISTOR 2SA1162-G	
JR013	1-216-295-91	SHORT	0	Q307	8-729-230-49	TRANSISTOR 2SC2712-YG	
JR014	1-216-295-91	SHORT	0	Q308	8-729-216-22	TRANSISTOR 2SA1162-G	
JR015	1-216-295-91	SHORT	0	Q311	8-729-230-49	TRANSISTOR 2SC2712-YG	
JR016	1-216-295-91	SHORT	0	Q312	8-729-216-22	TRANSISTOR 2SA1162-G	
JR018	1-216-295-91	SHORT	0	Q313	8-729-230-49	TRANSISTOR 2SC2712-YG	
JR019	1-216-295-91	SHORT	0	Q315	8-729-900-53	TRANSISTOR DTC114EK	
JR107	1-216-295-91	SHORT	0	Q501	8-729-216-22	TRANSISTOR 2SA1162-G	
JR108	1-216-295-91	SHORT	0	Q502	8-729-216-22	TRANSISTOR 2SA1162-G	
JR111	1-216-295-91	SHORT	0	Q503	8-729-230-49	TRANSISTOR 2SC2712-YG	
JR301	1-216-295-91	SHORT	0	Q505	8-729-931-45	TRANSISTOR IRF614	
JR303	1-216-295-91	SHORT	0	Q506	8-729-119-80	TRANSISTOR 2SC2688-LK	
JR500	1-216-295-91	SHORT	0	Q507	8-729-216-22	TRANSISTOR 2SA1162-G	
JR501	1-216-295-91	SHORT	0	Q509	8-729-230-49	TRANSISTOR 2SC2712-YG	
JR502	1-216-295-91	SHORT	0	Q511	8-729-016-32	TRANSISTOR 2SC4927-01	
JR600	1-216-295-91	SHORT	0	Q600	8-729-230-45	TRANSISTOR 2SC2458-YGR	
<COIL>				Q601	8-729-023-22	TRANSISTOR 2SD2114K	
L002	1-414-856-11	INDUCTOR	10UH	Q602	8-729-230-49	TRANSISTOR 2SC2712-YG	
L003	1-414-180-11	INDUCTOR	3.3UH	Q603	8-729-027-23	TRANSISTOR DTA114EKA-T146	
L005	1-414-233-22	INDUCTOR CHIP	0UH	Q604	8-729-200-17	TRANSISTOR 2SA1091-O	
L101	1-414-856-11	INDUCTOR	10UH	Q605	8-729-044-30	TRANSISTOR 2SK2845-LB102	
L102	1-414-856-11	INDUCTOR	10UH	Q606	8-729-230-49	TRANSISTOR 2SC2712-YG	
L103	1-414-856-11	INDUCTOR	10UH	Q607	8-729-922-37	TRANSISTOR 2SD2144S-UVW	
L104	1-414-856-11	INDUCTOR	10UH	Q608	8-729-230-49	TRANSISTOR 2SC2712-YG	
L105	1-414-856-11	INDUCTOR	10UH	<RESISTOR>			
L301	1-414-857-11	INDUCTOR	100UH	R001	1-414-233-22	INDUCTOR CHIP	0UH
L302	1-414-185-41	INDUCTOR	22UH	R002	1-216-025-91	RES,CHIP	100 5% 1/10W
L501	1-412-525-31	INDUCTOR	10UH	R003	1-216-073-00	RES,CHIP	10K 5% 1/10W
L502	1-422-613-11	COIL, AIR CORE		R004	1-216-025-91	RES,CHIP	100 5% 1/10W
L503	1-412-525-31	INDUCTOR	10UH	R005	1-216-025-91	RES,CHIP	100 5% 1/10W
L504	1-412-525-31	INDUCTOR	10UH	R006	1-216-689-11	METAL CHIP	39K 0.50% 1/10W
L505	1-412-525-31	INDUCTOR	10UH	R007	1-216-033-00	RES,CHIP	220 5% 1/10W
L506	1-412-525-31	INDUCTOR	10UH	R008	1-216-065-91	RES,CHIP	4.7K 5% 1/10W
L507	1-459-111-00	INDUCTOR	10MMH	R009	1-216-065-91	RES,CHIP	4.7K 5% 1/10W
L508	1-412-525-31	INDUCTOR	10UH	R010	1-216-065-91	RES,CHIP	4.7K 5% 1/10W
L511	1-406-977-21	INDUCTOR	100UH	R011	1-216-065-91	RES,CHIP	4.7K 5% 1/10W
L512	1-412-549-11	INDUCTOR	1MMH	R012	1-216-065-91	RES,CHIP	4.7K 5% 1/10W
L513	1-412-549-11	INDUCTOR	1MMH	R013	1-216-065-91	RES,CHIP	4.7K 5% 1/10W
L515	1-459-104-00	COIL, WITH CORE		R014	1-216-025-91	RES,CHIP	100 5% 1/10W
L518	1-408-611-31	INDUCTOR	47UH	R015	1-216-025-91	RES,CHIP	100 5% 1/10W
L601	1-412-527-11	INDUCTOR	15UH				
L905	1-414-856-11	INDUCTOR	10UH				



REF. NO.	PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION			REMARK
R016	1-216-025-91	RES,CHIP	100	5%	1/10W	R237	1-216-295-91	SHORT	0		
R017	1-216-049-91	RES,CHIP	1K	5%	1/10W	R301	1-216-113-00	RES,CHIP	470K	5%	1/10W
R018	1-216-033-00	RES,CHIP	220	5%	1/10W	R302	1-216-089-91	RES,CHIP	47K	5%	1/10W
R019	1-216-073-00	RES,CHIP	10K	5%	1/10W						
R021	1-216-073-00	RES,CHIP	10K	5%	1/10W	R303	1-216-089-91	RES,CHIP	47K	5%	1/10W
						R304	1-216-073-00	RES,CHIP	10K	5%	1/10W
R022	1-216-025-91	RES,CHIP	100	5%	1/10W	R306	1-216-085-00	RES,CHIP	33K	5%	1/10W
R023	1-216-049-91	RES,CHIP	1K	5%	1/10W	R308	1-216-025-91	RES,CHIP	100	5%	1/10W
R024	1-216-063-91	RES,CHIP	3.9K	5%	1/10W	R309	1-216-025-91	RES,CHIP	100	5%	1/10W
R025	1-216-063-91	RES,CHIP	3.9K	5%	1/10W						
R026	1-216-063-91	RES,CHIP	3.9K	5%	1/10W	R310	1-216-025-91	RES,CHIP	100	5%	1/10W
						R315	1-216-053-00	RES,CHIP	1.5K	5%	1/10W
R027	1-216-049-91	RES,CHIP	1K	5%	1/10W	R316	1-216-053-00	RES,CHIP	1.5K	5%	1/10W
R028	1-216-049-91	RES,CHIP	1K	5%	1/10W	R318	1-216-053-00	RES,CHIP	1.5K	5%	1/10W
R029	1-216-049-91	RES,CHIP	1K	5%	1/10W	R319	1-216-025-91	RES,CHIP	100	5%	1/10W
R030	1-216-025-91	RES,CHIP	100	5%	1/10W						
R031	1-216-049-91	RES,CHIP	1K	5%	1/10W	R320	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
						R321	1-216-073-00	RES,CHIP	10K	5%	1/10W
R032	1-216-025-91	RES,CHIP	100	5%	1/10W	R322	1-216-033-00	RES,CHIP	220	5%	1/10W
R034	1-216-049-91	RES,CHIP	1K	5%	1/10W	R326	1-216-029-00	RES,CHIP	150	5%	1/10W
R035	1-216-025-91	RES,CHIP	100	5%	1/10W	R327	1-216-033-00	RES,CHIP	220	5%	1/10W
R036	1-216-083-00	RES,CHIP	27K	5%	1/10W						
R037	1-216-083-00	RES,CHIP	27K	5%	1/10W	R328	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
						R329	1-216-041-00	RES,CHIP	470	5%	1/10W
R038	1-216-049-91	RES,CHIP	1K	5%	1/10W	R331	1-216-295-91	SHORT	0		
R039	1-216-049-91	RES,CHIP	1K	5%	1/10W	R332	1-216-033-00	RES,CHIP	220	5%	1/10W
R040	1-216-025-91	RES,CHIP	100	5%	1/10W	R333	1-216-083-00	RES,CHIP	27K	5%	1/10W
R041	1-216-025-91	RES,CHIP	100	5%	1/10W						
R042	1-216-295-91	SHORT	0			R334	1-208-291-11	RES,CHIP	4.7M	5%	1/10W
						R335	1-216-045-00	RES,CHIP	680	5%	1/10W
R043	1-216-025-91	RES,CHIP	100	5%	1/10W	R338	1-216-037-00	RES,CHIP	330	5%	1/10W
R044	1-216-025-91	RES,CHIP	100	5%	1/10W	R339	1-216-033-00	RES,CHIP	220	5%	1/10W
R045	1-414-233-22	INDUCTOR CHIP	0UH			R340	1-216-025-91	RES,CHIP	100	5%	1/10W
R046	1-216-049-91	RES,CHIP	1K	5%	1/10W						
R047	1-414-233-22	INDUCTOR CHIP	0UH			R345	1-216-073-00	RES,CHIP	10K	5%	1/10W
						R348	1-208-806-11	RES,CHIP	10K	0.50%	1/10W
R048	1-216-073-00	RES,CHIP	10K	5%	1/10W	R349	1-216-073-00	RES,CHIP	10K	5%	1/10W
R050	1-216-073-00	RES,CHIP	10K	5%	1/10W	R350	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R052	1-216-053-00	RES,CHIP	1.5K	5%	1/10W	R351	1-216-049-91	RES,CHIP	1K	5%	1/10W
R053	1-216-049-91	RES,CHIP	1K	5%	1/10W						
R054	1-216-049-91	RES,CHIP	1K	5%	1/10W	R357	1-216-079-00	RES,CHIP	18K	5%	1/10W
						R358	1-216-049-91	RES,CHIP	1K	5%	1/10W
R055	1-216-073-00	RES,CHIP	10K	5%	1/10W	R359	1-216-033-00	RES,CHIP	220	5%	1/10W
R056	1-216-073-00	RES,CHIP	10K	5%	1/10W	R360	1-216-033-00	RES,CHIP	220	5%	1/10W
R057	1-216-689-11	METAL CHIP	39K	0.50%	1/10W	R361	1-216-073-00	RES,CHIP	10K	5%	1/10W
R061	1-216-295-91	SHORT	0								
R062	1-216-041-00	RES,CHIP	470	5%	1/10W	R362	1-216-075-00	RES,CHIP	12K	5%	1/10W
						R363	1-216-079-00	RES,CHIP	18K	5%	1/10W
R063	1-216-041-00	RES,CHIP	470	5%	1/10W	R364	1-216-295-91	SHORT	0		
R064	1-216-041-00	RES,CHIP	470	5%	1/10W	R365	1-216-033-00	RES,CHIP	220	5%	1/10W
R065	1-216-041-00	RES,CHIP	470	5%	1/10W	R366	1-216-073-00	RES,CHIP	10K	5%	1/10W
R066	1-216-049-91	RES,CHIP	1K	5%	1/10W						
R103	1-216-025-91	RES,CHIP	100	5%	1/10W	R367	1-216-073-00	RES,CHIP	10K	5%	1/10W
						R368	1-216-073-00	RES,CHIP	10K	5%	1/10W
R104	1-216-025-91	RES,CHIP	100	5%	1/10W	R370	1-216-033-00	RES,CHIP	220	5%	1/10W
R105	1-216-295-91	SHORT	0			R376	1-216-081-00	RES,CHIP	22K	5%	1/10W
R106	1-216-049-91	RES,CHIP	1K	5%	1/10W	R377	1-216-121-91	RES,CHIP	1M	5%	1/10W
R109	1-216-041-00	RES,CHIP	470	5%	1/10W						
R111	1-216-025-91	RES,CHIP	100	5%	1/10W	R378	1-216-295-91	SHORT	0		
						R500	1-249-417-11	CARBON	1K	5%	1/4W
R112	1-216-025-91	RES,CHIP	100	5%	1/10W	R501	1-216-049-91	RES,CHIP	1K	5%	1/10W
R113	1-216-025-91	RES,CHIP	100	5%	1/10W	R505	1-216-113-00	RES,CHIP	470K	5%	1/10W
R114	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	R506	1-216-079-00	RES,CHIP	18K	5%	1/10W
R115	1-216-065-91	RES,CHIP	4.7K	5%	1/10W						
R225	1-216-033-00	RES,CHIP	220	5%	1/10W	R507	1-249-389-11	CARBON	4.7	5%	1/4W F
						R508	1-215-909-11	METAL OXIDE	47	5%	3W F
R226	1-216-033-00	RES,CHIP	220	5%	1/10W	R509	1-216-474-11	METAL OXIDE	82	5%	3W F
R227	1-216-033-00	RES,CHIP	220	5%	1/10W	R510	1-216-424-11	METAL OXIDE	39	5%	1W F
						R511	1-216-399-00	METAL OXIDE	6.8	5%	3W F

The components identified by shading
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REF. NO.	PART NO.	DESCRIPTION	REMARK			REF. NO.	PART NO.	DESCRIPTION	REMARK		
R515	1-216-349-00	METAL OXIDE	1	5%	1W F	R585	1-249-381-11	CARBON	1	5%	1/4W
R516	1-216-081-00	RES,CHIP	22K	5%	1/10W	R587	1-208-849-11	RES,CHIP	620K	0.50%	1/10W
R517	1-208-798-11	RES,CHIP	4.7K	0.50%	1/10W	R588	1-215-911-11	METAL OXIDE	100	5%	3W F
R518	1-247-807-31	CARBON	100	5%	1/4W	R589	1-215-886-11	METAL OXIDE	100	5%	2W F
R519	1-216-469-11	METAL OXIDE	12	5%	3W F	R590	1-215-465-00	METAL	68K	1%	1/4W
R520	1-215-445-00	METAL	10K	1%	1/4W	R591	1-260-288-11	CARBON	0.47	5%	1/2W F
R522	1-208-806-11	RES,CHIP	10K	0.50%	1/10W	R592	1-208-830-11	RES,CHIP	100K	0.50%	1/10W
R523	1-249-411-11	CARBON	330	5%	1/4W	R593	1-260-288-11	CARBON	0.47	5%	1/2W F
R525	1-208-854-11	RES,CHIP	1M	0.50%	1/10W	R594	1-260-288-11	CARBON	0.47	5%	1/2W F
R526	1-216-672-11	METAL CHIP	7.5K	0.50%	1/10W	R596	1-216-480-11	METAL OXIDE	820	5%	3W F
R527	1-216-001-00	RES,CHIP	10	5%	1/10W	R597	1-247-750-11	CARBON	680	5%	1/2W F
R528	1-208-814-91	RES,CHIP	22K	0.50%	1/10W	R598	1-249-438-11	CARBON	56K	5%	1/4W
R529	1-208-766-11	RES,CHIP	220	0.50%	1/10W	R600	1-249-438-11	CARBON	56K	5%	1/4W
R531	1-247-843-11	CARBON	3.3K	5%	1/4W	R601	1-249-417-11	CARBON	1K	5%	1/4W F
R532	1-216-073-00	RES,CHIP	10K	5%	1/10W	R602	1-249-389-11	CARBON	4.7	5%	1/4W F
R533	1-249-417-11	CARBON	1K	5%	1/4W	R603	1-215-485-00	METAL	470K	1%	1/4W
R534	1-216-364-11	METAL OXIDE	0.39	5%	2W F	R604	1-216-097-91	RES,CHIP	100K	5%	1/10W
R535	1-216-067-00	RES,CHIP	5.6K	5%	1/10W	R607	1-249-425-11	CARBON	4.7K	5%	1/4W
R536	1-216-067-00	RES,CHIP	5.6K	5%	1/10W	R608	1-240-205-91	CARBON	22M	5%	1/2W
R537	1-208-804-11	RES,CHIP	8.2K	0.50%	1/10W	R609	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R539	1-216-049-91	RES,CHIP	1K	5%	1/10W	R610	1-216-073-00	RES,CHIP	10K	5%	1/10W
R540	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	R611	1-216-089-91	RES,CHIP	47K	5%	1/10W
R541	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	R612	1-216-045-00	RES,CHIP	680	5%	1/10W
R542	1-216-097-91	RES,CHIP	100K	5%	1/10W	R614	1-216-041-00	RES,CHIP	470	5%	1/10W
R543	1-216-437-00	METAL OXIDE	5.6K	5%	1W F	R615	1-216-366-00	METAL OXIDE	0.56	5%	2W F
R544	1-216-480-11	METAL OXIDE	820	5%	3W F	R616	1-260-302-51	CARBON	6.8	5%	1/2W F
R545	1-216-077-00	RES,CHIP	15K	5%	1/10W	R617	1-247-791-91	CARBON	22	5%	1/4W
R546	1-216-077-00	RES,CHIP	15K	5%	1/10W	R619	1-260-128-11	CARBON	270K	5%	1/2W
R547	1-216-085-00	RES,CHIP	33K	5%	1/10W	R621	1-215-859-00	METAL OXIDE	22	5%	1W F
R548	1-208-796-11	RES,CHIP	3.9K	0.50%	1/10W	R623	1-216-095-00	RES,CHIP	82K	5%	1/10W
R549	1-215-451-00	METAL	18K	1%	1/4W	R624	1-216-089-91	RES,CHIP	47K	5%	1/10W
R550	1-216-097-91	RES,CHIP	100K	5%	1/10W	R626	1-216-049-91	RES,CHIP	1K	5%	1/10W
R551	1-249-421-11	CARBON	2.2K	5%	1/4W	R627	1-240-251-11	CMT,MELF	6.8	5%	10W
R552	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	R629	1-247-747-11	CARBON	470	5%	1/2W F
R553	1-215-453-00	METAL	22K	1%	1/4W	R630	1-249-429-11	CARBON	10K	5%	1/4W F
R554	1-215-453-00	METAL	22K	1%	1/4W	R631	1-216-089-91	RES,CHIP	47K	5%	1/10W
R556	1-215-437-00	METAL	4.7K	1%	1/4W	R632	1-220-886-11	FUSIBLE	0.1	10%	1W F
R557	1-216-361-00	METAL OXIDE	0.22	5%	2W F	R634 Δ	1-218-265-11	METAL	8.2M	5%	1W
R558	1-247-843-11	CARBON	3.3K	5%	1/4W	R635	1-216-492-11	METAL OXIDE	82K	5%	3W F
R559	1-249-429-11	CARBON	10K	5%	1/4W	R636	1-215-924-00	METAL OXIDE	15K	5%	3W F
R560	1-216-073-00	RES,CHIP	10K	5%	1/10W	R637	1-216-492-11	METAL OXIDE	82K	5%	3W F
R561	1-216-049-91	RES,CHIP	1K	5%	1/10W	R639	1-216-361-00	METAL OXIDE	0.22	5%	2W F
R562	1-249-401-11	CARBON	47	5%	1/4W	R640	1-249-415-11	CARBON	680	5%	1/4W
R564	1-208-822-11	RES,CHIP	47K	0.50%	1/10W	R641	1-216-361-00	METAL OXIDE	0.22	5%	2W F
R565	1-216-061-00	RES,CHIP	3.3K	5%	1/10W	R642	1-249-419-11	CARBON	1.5K	5%	1/4W
R568	1-249-383-11	CARBON	1.5	5%	1/4W F	R643	1-247-843-11	CARBON	3.3K	5%	1/4W
R570	1-216-069-00	RES,CHIP	6.8K	5%	1/10W	R644	1-249-419-11	CARBON	1.5K	5%	1/4W
R571	1-215-442-00	METAL	7.5K	1%	1/4W	R646	1-215-924-00	METAL OXIDE	15K	5%	3W F
R575	1-208-796-11	RES,CHIP	3.9K	0.50%	1/10W	R647	1-249-387-11	CARBON	3.3	5%	1/4W
R577	1-215-913-11	METAL OXIDE	220	5%	3W F	R648	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R578	1-216-369-00	METAL OXIDE	1	5%	2W F	R649	1-249-417-11	CARBON	1K	5%	1/4W
R579	1-216-295-91	SHORT	0			R650	1-215-882-00	METAL OXIDE	22	5%	2W F
R580	1-208-830-11	RES,CHIP	100K	0.50%	1/10W	R652	1-215-900-11	METAL OXIDE	22K	5%	2W F
R581	1-208-798-11	RES,CHIP	4.7K	0.50%	1/10W	R653	1-215-873-00	METAL OXIDE	4.7K	5%	1W F
R582	1-216-295-91	SHORT	0			R654	1-216-369-00	METAL OXIDE	1	5%	2W F
R583	1-216-125-00	RES,CHIP	1.5M	5%	1/10W	R656	1-249-417-11	CARBON	1K	5%	1/4W
R584	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	R657	1-260-127-11	CARBON	220K	5%	1/2W
						R659	1-216-049-91	RES,CHIP	1K	5%	1/10W

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REF. NO.	PART NO.	DESCRIPTION	REMARK		
R660	1-216-073-00	RES,CHIP	10K	5%	1/10W
R661	1-215-873-00	METAL OXIDE	4.7K	5%	1W F
R909	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R910	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
<RELAY>					
RY600	△ 1-755-040-11	RELAY			
RY601	△ 1-755-266-11	RELAY, AC POWER			
<SWITCH>					
S501	1-572-707-11	SWITCH, LEVER			
S502	1-572-707-11	SWITCH, LEVER			
<TRANSFORMER>					
T501	1-437-195-11	TRANSFORMER, HORIZONTAL DRIVE			
T503	△ X-4036-321-1	TRANSFORMER ASSY, FLYBACK(NX-4009//J1A4)			
T504	1-431-475-11	TRANSFORMER, HORIZONTAL LINEAR			
T505	1-426-981-31	TRANSFORMER, FERRITE (PMT)			
T601	1-431-536-11	TRANSFORMER, LINE FILTER			
T603	△ 1-431-946-11	TRANSFORMER, CONVERTER			
T604	△ 1-431-852-11	TRANSFORMER, CONVERTER (SRT)			
<THERMISTOR>					
THP600	1-809-539-11	THERMISTOR, POSITIVE			
<TUNER>					
TU101	8-598-477-10	TUNER, FSS BTF-WG411			
<CRYSTAL>					
X001	1-781-174-21	VIBRATOR, CERAMIC			
X301	1-781-134-21	VIBRATOR, CRYSTAL			
X302	1-781-132-21	VIBRATOR, CRYSTAL			

* A-1136-034-A		B BOARD COMPLETE	*****		
4-382-854-11		SCREW (M3X10), P, SW (+)			
<CAPACITOR>					
C1201	1-107-725-11	CERAMIC CHIP	0.1MF	10%	16V
C1202	1-107-725-11	CERAMIC CHIP	0.1MF	10%	16V
C1203	1-164-505-11	CERAMIC CHIP	2.2MF		16V
C1204	1-115-419-11	CERAMIC CHIP	3300PF	5%	25V
C1205	1-115-419-11	CERAMIC CHIP	3300PF	5%	25V
C1206	1-126-965-11	ELECT	22MF	20%	50V
C1207	1-107-725-11	CERAMIC CHIP	0.1MF	10%	16V
C1208	1-126-023-11	ELECT	100MF	20%	16V
C1209	1-164-505-11	CERAMIC CHIP	2.2MF		16V

REF. NO.	PART NO.	DESCRIPTION	REMARK		
C1210	1-107-823-11	CERAMIC CHIP 0.47MF	10%	16V	
C1211	1-164-492-11	CERAMIC CHIP 0.15MF	10%	16V	
C1212	1-107-823-11	CERAMIC CHIP 0.47MF	10%	16V	
C1213	1-164-492-11	CERAMIC CHIP 0.15MF	10%	16V	
C1214	1-126-055-11	ELECT 470MF	20%	50V	
C1215	1-126-055-11	ELECT 470MF	20%	50V	
C1219	1-126-961-11	ELECT 2.2MF	20%	50V	
C1220	1-126-961-11	ELECT 2.2MF	20%	50V	
C1221	1-126-933-11	ELECT 100MF	20%	16V	
C1222	1-136-171-00	FILM 0.33MF	5%	50V	
C1223	1-163-989-11	CERAMIC CHIP 0.033MF	10%	25V	
C1224	1-164-346-11	CERAMIC CHIP 1MF		16V	
C1225	1-164-005-11	CERAMIC CHIP 0.47MF		25V	
C1226	1-163-243-11	CERAMIC CHIP 47PF	5%	50V	
C1227	1-126-963-11	ELECT 4.7MF	20%	50V	
C1228	1-163-251-11	CERAMIC CHIP 100PF	5%	50V	
C1229	1-164-346-11	CERAMIC CHIP 1MF		16V	
C1231	1-126-964-11	ELECT 10MF	20%	50V	
C1232	1-126-022-11	ELECT 47MF	20%	16V	
C1233	1-163-251-11	CERAMIC CHIP 100PF	5%	50V	
C1234	1-164-346-11	CERAMIC CHIP 1MF		16V	
C1235	1-163-243-11	CERAMIC CHIP 47PF	5%	50V	
C1236	1-126-963-11	ELECT 4.7MF	20%	50V	
C1237	1-164-346-11	CERAMIC CHIP 1MF		16V	
C1238	1-164-005-11	CERAMIC CHIP 0.47MF		25V	
C1239	1-136-171-00	FILM 0.33MF	5%	50V	
C1240	1-163-989-11	CERAMIC CHIP 0.033MF	10%	25V	
C1241	1-115-339-11	CERAMIC CHIP 0.1MF	10%	50V	
C1242	1-163-275-11	CERAMIC CHIP 0.001MF	5%	50V	
C1243	1-115-339-11	CERAMIC CHIP 0.1MF	10%	50V	
C1244	1-110-617-51	ELECT 2200MF	20%	50V	
C1245	1-115-339-11	CERAMIC CHIP 0.1MF	10%	50V	
C1246	1-107-823-11	CERAMIC CHIP 0.47MF	10%	16V	
C1247	1-163-275-11	CERAMIC CHIP 0.001MF	5%	50V	
C1248	1-110-617-51	ELECT 2200MF	20%	50V	
C1251	1-163-017-00	CERAMIC CHIP 0.0047MF	10%	50V	
C1252	1-163-251-11	CERAMIC CHIP 100PF	5%	50V	
C1253	1-115-339-11	CERAMIC CHIP 0.1MF	10%	50V	
C1254	1-136-177-00	FILM 1MF	5%	50V	
C1255	1-163-009-11	CERAMIC CHIP 0.001MF	10%	50V	
C1256	1-127-682-51	ELECT MELF 2200MF	20%	25V	
C1258	1-115-339-11	CERAMIC CHIP 0.1MF	10%	50V	
C1259	1-115-339-11	CERAMIC CHIP 0.1MF	10%	50V	
C1260	1-107-823-11	CERAMIC CHIP 0.47MF	10%	16V	
C1263	1-163-017-00	CERAMIC CHIP 0.0047MF	10%	50V	
C1264	1-163-251-11	CERAMIC CHIP 100PF	5%	50V	
C1265	1-115-339-11	CERAMIC CHIP 0.1MF	10%	50V	
C1266	1-136-177-00	FILM 1MF	5%	50V	
C1267	1-163-009-11	CERAMIC CHIP 0.001MF	10%	50V	
C1268	1-127-682-51	ELECT MELF 2200MF	20%	25V	
C1270	1-163-007-11	CERAMIC CHIP 680PF	10%	50V	
C1271	1-163-007-11	CERAMIC CHIP 680PF	10%	50V	
C1273	1-163-275-11	CERAMIC CHIP 0.001MF	5%	50V	
C1274	1-163-275-11	CERAMIC CHIP 0.001MF	5%	50V	
C1275	1-163-007-11	CERAMIC CHIP 680PF	10%	50V	
C1276	1-163-007-11	CERAMIC CHIP 680PF	10%	50V	
C1277	1-164-690-91	CERAMIC CHIP 0.0022MF	5%	50V	

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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
C1279	1-164-690-91	CERAMIC CHIP	0.0022MF 5% 50V	C3310	1-126-964-11	ELECT	10MF 20% 50V
C1281	1-115-339-11	CERAMIC CHIP	0.1MF 10% 50V	C3312	1-104-664-11	ELECT	47MF 20% 25V
C1282	1-115-339-11	CERAMIC CHIP	0.1MF 10% 50V	C3313	1-126-935-11	ELECT	470MF 20% 16V
				C3314	1-164-346-11	CERAMIC CHIP	1MF 16V
C1283	1-164-690-91	CERAMIC CHIP	0.0022MF 5% 50V	C3315	1-104-664-11	ELECT	47MF 20% 25V
C1284	1-164-690-91	CERAMIC CHIP	0.0022MF 5% 50V				
C1301	1-126-967-11	ELECT	47MF 20% 50V	C3316	1-164-346-11	CERAMIC CHIP	1MF 16V
C1303	1-163-243-11	CERAMIC CHIP	47PF 5% 50V	C3317	1-104-664-11	ELECT	47MF 20% 25V
C1304	1-163-243-11	CERAMIC CHIP	47PF 5% 50V	C3318	1-163-031-11	CERAMIC CHIP	0.01MF 50V
				C3319	1-163-251-11	CERAMIC CHIP	100PF 5% 50V
C1305	1-163-243-11	CERAMIC CHIP	47PF 5% 50V	C3320	1-164-004-11	CERAMIC CHIP	0.1MF 10% 25V
C1306	1-163-233-11	CERAMIC CHIP	18PF 5% 50V				
C1307	1-126-933-11	ELECT	100MF 20% 16V	C3322	1-164-346-11	CERAMIC CHIP	1MF 16V
C1308	1-163-038-91	CERAMIC CHIP	0.1MF 25V	C3323	1-164-346-11	CERAMIC CHIP	1MF 16V
C1309	1-126-963-11	ELECT	4.7MF 20% 50V	C3324	1-163-251-11	CERAMIC CHIP	100PF 5% 50V
				C3325	1-164-346-11	CERAMIC CHIP	1MF 16V
C1310	1-163-038-91	CERAMIC CHIP	0.1MF 25V	C3326	1-164-346-11	CERAMIC CHIP	1MF 16V
C1311	1-163-233-11	CERAMIC CHIP	18PF 5% 50V				
C1312	1-163-038-91	CERAMIC CHIP	0.1MF 25V	C3327	1-163-251-11	CERAMIC CHIP	100PF 5% 50V
C1313	1-126-964-11	ELECT	10MF 20% 50V	C3328	1-164-004-11	CERAMIC CHIP	0.1MF 10% 25V
C1314	1-126-957-11	ELECT	0.22MF 20% 50V	C3329	1-126-966-11	ELECT	33MF 20% 50V
				C3330	1-107-725-11	CERAMIC CHIP	0.1MF 10% 16V
C1315	1-163-259-91	CERAMIC CHIP	220PF 5% 50V	C3331	1-126-933-11	ELECT	100MF 20% 16V
C1316	1-126-963-11	ELECT	4.7MF 20% 50V				
C1317	1-126-933-11	ELECT	100MF 20% 16V	C3332	1-104-664-11	ELECT	47MF 20% 25V
C1318	1-107-725-11	CERAMIC CHIP	0.1MF 10% 16V	C3333	1-164-004-11	CERAMIC CHIP	0.1MF 10% 25V
C1319	1-163-038-91	CERAMIC CHIP	0.1MF 25V	C3334	1-163-133-00	CERAMIC CHIP	470PF 5% 50V
				C3335	1-163-038-91	CERAMIC CHIP	0.1MF 25V
C1320	1-163-038-91	CERAMIC CHIP	0.1MF 25V	C3336	1-126-933-11	ELECT	100MF 20% 16V
C1321	1-163-038-91	CERAMIC CHIP	0.1MF 25V				
C1323	1-126-967-11	ELECT	47MF 20% 50V	C3337	1-163-809-11	CERAMIC CHIP	0.047MF 10% 25V
C1324	1-126-967-11	ELECT	47MF 20% 50V	C3338	1-163-005-11	CERAMIC CHIP	470PF 10% 50V
C1325	1-163-038-91	CERAMIC CHIP	0.1MF 25V	C3339	1-163-133-00	CERAMIC CHIP	470PF 5% 50V
				C3340	1-163-133-00	CERAMIC CHIP	470PF 5% 50V
C1326	1-126-933-11	ELECT	100MF 20% 16V	C3341	1-163-133-00	CERAMIC CHIP	470PF 5% 50V
C1327	1-107-725-11	CERAMIC CHIP	0.1MF 10% 16V				
C1328	1-104-665-11	ELECT	100MF 20% 25V	C3342	1-163-133-00	CERAMIC CHIP	470PF 5% 50V
C1329	1-163-038-91	CERAMIC CHIP	0.1MF 25V	C3343	1-163-133-00	CERAMIC CHIP	470PF 5% 50V
C1330	1-126-965-11	ELECT	22MF 20% 50V	C3344	1-164-005-11	CERAMIC CHIP	0.47MF 25V
				C3345	1-163-133-00	CERAMIC CHIP	470PF 5% 50V
C1331	1-163-038-91	CERAMIC CHIP	0.1MF 25V	C3346	1-163-133-00	CERAMIC CHIP	470PF 5% 50V
C1332	1-126-960-11	ELECT	1MF 20% 50V				
C1333	1-126-933-11	ELECT	100MF 20% 16V	C3347	1-126-964-11	ELECT	10MF 20% 50V
C1334	1-126-933-11	ELECT	100MF 20% 16V	C3348	1-164-005-11	CERAMIC CHIP	0.47MF 25V
C1335	1-163-017-00	CERAMIC CHIP	0.0047MF 10% 50V	C3349	1-126-933-11	ELECT	100MF 20% 16V
				C3350	1-163-005-11	CERAMIC CHIP	470PF 10% 50V
C1336	1-163-038-91	CERAMIC CHIP	0.1MF 25V	C3351	1-163-005-11	CERAMIC CHIP	470PF 10% 50V
C1337	1-163-038-91	CERAMIC CHIP	0.1MF 25V				
C1342	1-164-005-11	CERAMIC CHIP	0.47MF 25V	C3352	1-163-005-11	CERAMIC CHIP	470PF 10% 50V
C1345	1-163-038-91	CERAMIC CHIP	0.1MF 25V	C3353	1-126-933-11	ELECT	100MF 20% 16V
C1350	1-163-243-11	CERAMIC CHIP	47PF 5% 50V	C3354	1-126-967-11	ELECT	47MF 20% 50V
				C3355	1-126-967-11	ELECT	47MF 20% 50V
C1352	1-164-005-11	CERAMIC CHIP	0.47MF 25V	C3356	1-163-037-11	CERAMIC CHIP	0.022MF 10% 50V
C1353	1-163-038-91	CERAMIC CHIP	0.1MF 25V				
C1354	1-163-038-91	CERAMIC CHIP	0.1MF 25V	C3357	1-163-037-11	CERAMIC CHIP	0.022MF 10% 50V
C1356	1-126-768-11	ELECT	2200MF 20% 16V	C3358	1-163-009-11	CERAMIC CHIP	0.001MF 10% 50V
C1358	1-164-690-91	CERAMIC CHIP	0.0022MF 5% 50V	C3360	1-104-664-11	ELECT	47MF 20% 25V
				C3361	1-126-964-11	ELECT	10MF 20% 50V
C1359	1-164-505-11	CERAMIC CHIP	2.2MF 16V	C3362	1-126-964-11	ELECT	10MF 20% 50V
C1360	1-164-505-11	CERAMIC CHIP	2.2MF 16V				
C1463	1-126-964-51	ELECT	10MF 20% 50V	C3363	1-104-664-11	ELECT	47MF 20% 25V
C3301	1-104-664-11	ELECT	47MF 20% 25V	C3364	1-126-964-11	ELECT	10MF 20% 50V
C3302	1-163-038-91	CERAMIC CHIP	0.1MF 25V	C3365	1-126-964-11	ELECT	10MF 20% 50V
				C3370	1-164-346-11	CERAMIC CHIP	1MF 16V
C3303	1-104-664-11	ELECT	47MF 20% 25V	C3372	1-163-038-91	CERAMIC CHIP	0.1MF 25V
C3304	1-164-004-11	CERAMIC CHIP	0.1MF 10% 25V				
C3306	1-163-251-11	CERAMIC CHIP	100PF 5% 50V	C3373	1-126-964-11	ELECT	10MF 20% 50V
C3307	1-126-933-11	ELECT	100MF 20% 16V	C3374	1-126-964-11	ELECT	10MF 20% 50V
C3308	1-126-964-11	ELECT	10MF 20% 50V				



REF. NO.	PART NO.	DESCRIPTION			REMARK
C3375	1-126-964-11	ELECT	10MF	20%	50V
C3379	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C3380	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C5201	1-107-725-11	CERAMIC CHIP	0.1MF	10%	16V
C5202	1-126-967-11	ELECT	47MF	20%	50V
C5203	1-126-963-11	ELECT	4.7MF	20%	50V
C5204	1-107-725-11	CERAMIC CHIP	0.1MF	10%	16V
C5205	1-127-532-11	ELECT	47MF	20%	6.3V
C5206	1-126-967-11	ELECT	47MF	20%	50V
C5207	1-126-967-11	ELECT	47MF	20%	50V
C5208	1-127-532-11	ELECT	47MF	20%	6.3V
C5209	1-107-725-11	CERAMIC CHIP	0.1MF	10%	16V
C5210	1-126-963-11	ELECT	4.7MF	20%	50V
C5211	1-164-690-91	CERAMIC CHIP	0.0022MF	5%	50V
C5212	1-164-690-91	CERAMIC CHIP	0.0022MF	5%	50V
C5213	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C5214	1-163-275-11	CERAMIC CHIP	0.001MF	5%	50V
C5215	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
C5216	1-107-725-11	CERAMIC CHIP	0.1MF	10%	16V
C5217	1-126-967-11	ELECT	47MF	20%	50V
C5218	1-126-967-11	ELECT	47MF	20%	50V
C5219	1-107-725-11	CERAMIC CHIP	0.1MF	10%	16V
C5220	1-107-725-11	CERAMIC CHIP	0.1MF	10%	16V
C5221	1-127-532-11	ELECT	47MF	20%	6.3V
C5223	1-164-690-91	CERAMIC CHIP	0.0022MF	5%	50V
C5224	1-164-690-91	CERAMIC CHIP	0.0022MF	5%	50V
C5225	1-126-963-11	ELECT	4.7MF	20%	50V
C5226	1-126-963-11	ELECT	4.7MF	20%	50V
C5227	1-107-725-11	CERAMIC CHIP	0.1MF	10%	16V
C5228	1-107-725-11	CERAMIC CHIP	0.1MF	10%	16V
C5229	1-107-725-11	CERAMIC CHIP	0.1MF	10%	16V
C5230	1-126-967-11	ELECT	47MF	20%	50V
C5231	1-107-725-11	CERAMIC CHIP	0.1MF	10%	16V
C5232	1-107-725-11	CERAMIC CHIP	0.1MF	10%	16V
C5233	1-126-960-11	ELECT	1MF	20%	50V
C5234	1-107-725-11	CERAMIC CHIP	0.1MF	10%	16V
C5235	1-107-725-11	CERAMIC CHIP	0.1MF	10%	16V
C5237	1-126-933-11	ELECT	100MF	20%	16V
C5238	1-107-725-11	CERAMIC CHIP	0.1MF	10%	16V
C5239	1-107-725-11	CERAMIC CHIP	0.1MF	10%	16V
C5240	1-126-933-11	ELECT	100MF	20%	16V
C5241	1-126-933-11	ELECT	100MF	20%	16V
C5242	1-164-346-11	CERAMIC CHIP	1MF		16V
C5243	1-164-346-11	CERAMIC CHIP	1MF		16V
C5247	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V
C5248	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V
C5249	1-164-690-91	CERAMIC CHIP	0.0022MF	5%	50V
C5300	1-164-005-11	CERAMIC CHIP	0.47MF		25V
C5302	1-164-005-11	CERAMIC CHIP	0.47MF		25V
C5304	1-164-005-11	CERAMIC CHIP	0.47MF		25V
C5306	1-164-005-11	CERAMIC CHIP	0.47MF		25V
C5308	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C5309	1-164-346-11	CERAMIC CHIP	1MF		16V
C5310	1-164-346-11	CERAMIC CHIP	1MF		16V
C5311	1-164-346-11	CERAMIC CHIP	1MF		16V
C5312	1-164-346-11	CERAMIC CHIP	1MF		16V
C5313	1-164-346-11	CERAMIC CHIP	1MF		16V
C5314	1-164-346-11	CERAMIC CHIP	1MF		16V

REF. NO.	PART NO.	DESCRIPTION			REMARK
C5315	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
C5317	1-164-005-11	CERAMIC CHIP	0.47MF		25V
C5318	1-126-967-11	ELECT	47MF	20%	50V
C5319	1-163-249-11	CERAMIC CHIP	82PF	5%	50V
C5320	1-163-249-11	CERAMIC CHIP	82PF	5%	50V
C5322	1-164-005-11	CERAMIC CHIP	0.47MF		25V
C5323	1-163-121-00	CERAMIC CHIP	150PF	5%	50V
C5324	1-163-113-00	CERAMIC CHIP	68PF	5%	50V
C5325	1-163-249-11	CERAMIC CHIP	82PF	5%	50V
C5326	1-163-249-11	CERAMIC CHIP	82PF	5%	50V
C5328	1-164-005-11	CERAMIC CHIP	0.47MF		25V
C5329	1-163-121-00	CERAMIC CHIP	150PF	5%	50V
C5330	1-163-113-00	CERAMIC CHIP	68PF	5%	50V
C5331	1-104-760-11	CERAMIC CHIP	0.047MF	10%	50V
C5332	1-163-259-91	CERAMIC CHIP	220PF	5%	50V
C5333	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
C5334	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
C5335	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
<CONNECTOR>					
CN1201	*1-564-506-11	PLUG, CONNECTOR 3P			
CN1204	*1-564-507-11	PLUG, CONNECTOR 4P			
CN1205	*1-564-507-11	PLUG, CONNECTOR 4P			
CN1301	*1-564-506-11	PLUG, CONNECTOR 3P			
CN1303	*1-564-511-11	PLUG, CONNECTOR 8P			
CN1304	*1-779-891-11	CONNECTOR, BOARD TO BOARD 8P			
CN1305	*1-779-892-11	CONNECTOR, BOARD TO BOARD 10P			
CN1306	*1-779-892-11	CONNECTOR, BOARD TO BOARD 10P			
CN1307	*1-779-891-11	CONNECTOR, BOARD TO BOARD 8P			
CN1308	*1-573-296-21	CONNECTOR, BOARD TO BOARD 10P			
CN1309	1-764-818-11	CONNECTOR, BOARD TO BOARD 10P			
CN1310	1-764-820-11	CONNECTOR, BOARD TO BOARD 12P			
CN1311	*1-564-506-11	PLUG, CONNECTOR 3P			
CN1312	*1-508-784-21	PIN, CONNECTOR (5MM PITCH) 1P			
CN1313	*1-564-509-11	PLUG, CONNECTOR 6P			
<DIODE>					
D1201	8-719-073-01	DIODE MA111-(K8),S0			
D1202	8-719-073-01	DIODE MA111-(K8),S0			
D1203	8-719-073-01	DIODE MA111-(K8),S0			
D1204	8-719-073-01	DIODE MA111-(K8),S0			
D1205	8-719-158-35	DIODE RD9.1SB			
D1302	8-719-041-97	DIODE MA113-(TX)			
D1306	8-719-908-03	DIODE GP08D			
D3301	8-719-158-35	DIODE RD9.1SB			
D3302	8-719-158-35	DIODE RD9.1SB			
D3303	8-719-158-35	DIODE RD9.1SB			
D3304	8-719-158-35	DIODE RD9.1SB			
D3305	8-719-158-35	DIODE RD9.1SB			
D3306	8-719-158-35	DIODE RD9.1SB			
D3307	8-719-158-35	DIODE RD9.1SB			
D3308	8-719-158-35	DIODE RD9.1SB			
D3309	8-719-158-35	DIODE RD9.1SB			
D3310	8-719-158-35	DIODE RD9.1SB			
D3311	8-719-158-35	DIODE RD9.1SB			
D3312	8-719-158-35	DIODE RD9.1SB			



REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
<FERRITE BEAD>				<COIL>			
FB1205	1-410-397-21	FERRITE 1.1UH		L1201	1-414-187-11	INDUCTOR 47UH	
FB1206	1-410-397-21	FERRITE 1.1UH		L1202	1-416-857-11	INDUCTOR 65UH	
FB1207	1-410-397-21	FERRITE 1.1UH		L1203	1-416-857-11	INDUCTOR 65UH	
FB1208	1-410-397-21	FERRITE 1.1UH		L1301	1-414-857-11	INDUCTOR 100UH	
FB5201	1-410-397-21	FERRITE 1.1UH		L1302	1-412-537-31	INDUCTOR 100UH	
FB5202	1-414-598-11	INDUCTOR CHIP 0UH		L1303	1-414-185-41	INDUCTOR 22UH	
FB5203	1-414-598-11	INDUCTOR CHIP 0UH		L1304	1-412-537-31	INDUCTOR 100UH	
FB5204	1-414-598-11	INDUCTOR CHIP 0UH		L1305	1-414-186-31	INDUCTOR 33UH	
FB5205	1-414-598-11	INDUCTOR CHIP 0UH		L1306	1-414-857-11	INDUCTOR 100UH	
FB5206	1-414-598-11	INDUCTOR CHIP 0UH		L1307	1-414-187-11	INDUCTOR 47UH	
FB5207	1-414-598-11	INDUCTOR CHIP 0UH		L1308	1-414-187-11	INDUCTOR 47UH	
FB5208	1-414-598-11	INDUCTOR CHIP 0UH		L1309	1-414-857-11	INDUCTOR 100UH	
FB5209	1-414-598-11	INDUCTOR CHIP 0UH		L1310	1-414-187-11	INDUCTOR 47UH	
<FILTER>				L1311	1-414-187-11	INDUCTOR 47UH	
FL5201	1-239-803-11	ENCAPSULATED COMPONENT		L1312	1-414-856-11	INDUCTOR 10UH	
<IC>				L1313	1-414-856-11	INDUCTOR 10UH	
IC1201	8-759-273-12	IC TDA7315D013TR		L1314	1-414-856-11	INDUCTOR 10UH	
IC1202	8-759-100-96	IC UPC4558G2		L3302	1-414-856-11	INDUCTOR 10UH	
IC1203	8-759-553-45	IC TDA7481		L3303	1-414-856-11	INDUCTOR 10UH	
IC1204	8-759-553-45	IC TDA7481		L3304	1-414-856-11	INDUCTOR 10UH	
IC1301	8-752-088-39	IC CXA2130S		L3305	1-414-856-11	INDUCTOR 10UH	
IC1302	8-759-542-15	IC TDA9178		L3306	1-414-856-11	INDUCTOR 10UH	
IC1303	8-759-231-53	IC TA7805S		L5201	1-408-595-31	INDUCTOR 2.2UH	
IC1304	8-759-445-59	IC BA033T		<IC LINK>			
IC1305	8-759-701-59	IC NJM78M09FA		PS1201	1-532-686-21	LINK, IC 2.7A/150V	
IC1307	8-759-278-95	IC BA7606F		PS1202	1-532-686-21	LINK, IC 2.7A/150V	
IC1308	8-759-439-64	IC HEF4053BT		PS1203	1-532-686-21	LINK, IC 2.7A/150V	
IC1309	8-759-439-64	IC HEF4053BT		PS1204	1-532-686-21	LINK, IC 2.7A/150V	
IC1310	8-759-450-47	IC BA05T		<TRANSISTOR>			
IC1311	8-759-337-26	IC MM1115XFBE		Q1201	8-729-224-62	TRANSISTOR 2SK246-GR	
IC3302	8-759-100-96	IC UPC4558G2		Q1202	8-729-230-49	TRANSISTOR 2SC2712-YG	
IC3303	8-752-068-46	IC CXA1855S		Q1203	8-729-230-49	TRANSISTOR 2SC2712-YG	
IC5201	8-759-549-74	IC TC9447F-003		Q1204	8-729-224-62	TRANSISTOR 2SK246-GR	
IC5202	8-759-042-02	IC S-80743AL-A7-S		Q1205	1-801-806-11	TRANSISTOR DTC144EKA-T146	
IC5203	8-759-358-38	IC NJM78M05DLA(TE1)		Q1206	8-729-230-49	TRANSISTOR 2SC2712-YG	
IC5204	8-759-100-96	IC UPC4558G2		Q1207	8-729-230-49	TRANSISTOR 2SC2712-YG	
<JACK>				Q1301	8-729-230-49	TRANSISTOR 2SC2712-YG	
J3301	1-784-646-11	TERMINAL, S		Q1302	8-729-216-22	TRANSISTOR 2SA1162-G	
J3302	1-778-387-11	JACK BLOCK, PIN 12P		Q1303	8-729-230-49	TRANSISTOR 2SC2712-YG	
<CHIP CONDUCTOR>				Q1304	8-729-230-49	TRANSISTOR 2SC2712-YG	
JR1205	1-216-295-91	SHORT 0		Q1305	8-729-230-49	TRANSISTOR 2SC2712-YG	
JR1206	1-216-295-91	SHORT 0		Q1306	8-729-230-49	TRANSISTOR 2SC2712-YG	
JR1207	1-216-295-91	SHORT 0		Q1307	8-729-216-22	TRANSISTOR 2SA1162-G	
JR1208	1-216-295-91	SHORT 0		Q1308	8-729-230-49	TRANSISTOR 2SC2712-YG	
JR1209	1-216-295-91	SHORT 0		Q1309	8-729-230-49	TRANSISTOR 2SC2712-YG	
JR1305	1-216-295-91	SHORT 0		Q1310	8-729-230-49	TRANSISTOR 2SC2712-YG	
JR1311	1-216-295-91	SHORT 0		Q1311	8-729-216-22	TRANSISTOR 2SA1162-G	
JR5203	1-216-295-91	SHORT 0		Q1313	8-729-230-49	TRANSISTOR 2SC2712-YG	
				Q1314	8-729-230-49	TRANSISTOR 2SC2712-YG	
				Q1315	8-729-230-49	TRANSISTOR 2SC2712-YG	
				Q1316	8-729-216-22	TRANSISTOR 2SA1162-G	
				Q1318	8-729-230-49	TRANSISTOR 2SC2712-YG	



REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
Q1320	8-729-230-49	TRANSISTOR 2SC2712-YG		R1211	1-216-097-91	RES,CHIP	100K 5% 1/10W
Q1321	8-729-216-22	TRANSISTOR 2SA1162-G		R1212	1-216-061-00	RES,CHIP	3.3K 5% 1/10W
Q1322	8-729-230-49	TRANSISTOR 2SC2712-YG		R1213	1-216-069-00	RES,CHIP	6.8K 5% 1/10W
Q1323	8-729-216-22	TRANSISTOR 2SA1162-G		R1214	1-216-039-00	RES,CHIP	390 5% 1/10W
Q1324	8-729-230-49	TRANSISTOR 2SC2712-YG		R1215	1-216-101-00	RES,CHIP	150K 5% 1/10W
Q1325	8-729-230-49	TRANSISTOR 2SC2712-YG		R1216	1-216-113-00	RES,CHIP	470K 5% 1/10W
Q1326	8-729-230-49	TRANSISTOR 2SC2712-YG		R1217	1-216-057-00	RES,CHIP	2.2K 5% 1/10W
Q1329	8-729-230-49	TRANSISTOR 2SC2712-YG		R1218	1-216-097-91	RES,CHIP	100K 5% 1/10W
Q1332	8-729-216-22	TRANSISTOR 2SA1162-G		R1219	1-216-057-00	RES,CHIP	2.2K 5% 1/10W
Q1340	8-729-230-49	TRANSISTOR 2SC2712-YG		R1220	1-216-097-91	RES,CHIP	100K 5% 1/10W
Q1342	8-729-230-49	TRANSISTOR 2SC2712-YG		R1221	1-216-073-00	RES,CHIP	10K 5% 1/10W
Q1343	1-801-806-11	TRANSISTOR DTC144EKA-T146		R1222	1-216-073-00	RES,CHIP	10K 5% 1/10W
Q1344	1-801-806-11	TRANSISTOR DTC144EKA-T146		R1223	1-216-057-00	RES,CHIP	2.2K 5% 1/10W
Q1345	8-729-230-49	TRANSISTOR 2SC2712-YG		R1224	1-216-101-00	RES,CHIP	150K 5% 1/10W
Q3301	8-729-230-49	TRANSISTOR 2SC2712-YG		R1225	1-216-113-00	RES,CHIP	470K 5% 1/10W
Q3302	8-729-216-22	TRANSISTOR 2SA1162-G		R1226	1-216-057-00	RES,CHIP	2.2K 5% 1/10W
Q3303	8-729-230-49	TRANSISTOR 2SC2712-YG		R1227	1-216-049-91	RES,CHIP	1K 5% 1/10W
Q3304	8-729-230-49	TRANSISTOR 2SC2712-YG		R1228	1-216-097-91	RES,CHIP	100K 5% 1/10W
Q3305	8-729-230-49	TRANSISTOR 2SC2712-YG		R1229	1-216-121-91	RES,CHIP	1M 5% 1/10W
Q3306	8-729-230-49	TRANSISTOR 2SC2712-YG		R1230	1-216-097-91	RES,CHIP	100K 5% 1/10W
Q3307	8-729-216-22	TRANSISTOR 2SA1162-G		R1231	1-216-097-91	RES,CHIP	100K 5% 1/10W
Q3308	8-729-230-49	TRANSISTOR 2SC2712-YG		R1232	1-216-061-00	RES,CHIP	3.3K 5% 1/10W
Q3309	8-729-230-49	TRANSISTOR 2SC2712-YG		R1233	1-216-069-00	RES,CHIP	6.8K 5% 1/10W
Q3310	8-729-230-49	TRANSISTOR 2SC2712-YG		R1234	1-216-039-00	RES,CHIP	390 5% 1/10W
Q3311	8-729-230-49	TRANSISTOR 2SC2712-YG		R1236	1-208-808-11	RES,CHIP	12K 0.50% 1/10W
Q3312	8-729-230-49	TRANSISTOR 2SC2712-YG		R1237	1-216-085-00	RES,CHIP	33K 5% 1/10W
Q3313	8-729-230-49	TRANSISTOR 2SC2712-YG		R1238	1-216-081-00	RES,CHIP	22K 5% 1/10W
Q3314	8-729-230-49	TRANSISTOR 2SC2712-YG		R1239	1-216-067-00	RES,CHIP	5.6K 5% 1/10W
Q3315	8-729-230-49	TRANSISTOR 2SC2712-YG		R1240	1-216-085-00	RES,CHIP	33K 5% 1/10W
Q3316	8-729-216-22	TRANSISTOR 2SA1162-G		R1241	1-215-890-11	METAL OXIDE	470 5% 2W F
Q3321	1-801-806-11	TRANSISTOR DTC144EKA-T14		R1242	1-215-890-11	METAL OXIDE	470 5% 2W F
Q3322	1-801-806-11	TRANSISTOR DTC144EKA-T146		R1244	1-216-073-00	RES,CHIP	10K 5% 1/10W
Q3325	1-801-806-11	TRANSISTOR DTC144EKA-T146		R1246	1-208-808-11	RES,CHIP	12K 0.50% 1/10W
Q3326	8-729-230-49	TRANSISTOR 2SC2712-YG		R1247	1-216-085-00	RES,CHIP	33K 5% 1/10W
Q5300	8-729-216-22	TRANSISTOR 2SA1162-G		R1252	1-216-073-00	RES,CHIP	10K 5% 1/10W
Q5301	8-729-230-49	TRANSISTOR 2SC2712-YG		R1260	1-216-029-00	RES,CHIP	150 5% 1/10W
Q5302	8-729-230-49	TRANSISTOR 2SC2712-YG		R1261	1-216-029-00	RES,CHIP	150 5% 1/10W
Q5303	8-729-216-22	TRANSISTOR 2SA1162-G		R1264	1-216-041-00	RES,CHIP	470 5% 1/10W
Q5304	8-729-230-49	TRANSISTOR 2SC2712-YG		R1265	1-216-041-00	RES,CHIP	470 5% 1/10W
Q5305	8-729-230-49	TRANSISTOR 2SC2712-YG		R1266	1-216-049-91	RES,CHIP	1K 5% 1/10W
Q5306	8-729-230-49	TRANSISTOR 2SC2712-YG		R1278	1-216-033-00	RES,CHIP	220 5% 1/10W
Q5307	8-729-230-49	TRANSISTOR 2SC2712-YG		R1279	1-216-033-00	RES,CHIP	220 5% 1/10W
Q5308	8-729-230-49	TRANSISTOR 2SC2712-YG		R1280	1-216-029-00	RES,CHIP	150 5% 1/10W
Q5309	8-729-230-49	TRANSISTOR 2SC2712-YG		R1281	1-216-029-00	RES,CHIP	150 5% 1/10W
Q5310	8-729-216-22	TRANSISTOR 2SA1162-G		R1301	1-216-049-91	RES,CHIP	1K 5% 1/10W
<RESISTOR>				R1302	1-216-025-91	RES,CHIP	100 5% 1/10W
R1201	1-216-033-00	RES,CHIP	220 5% 1/10W	R1304	1-216-073-00	RES,CHIP	10K 5% 1/10W
R1202	1-216-033-00	RES,CHIP	220 5% 1/10W	R1305	1-216-025-91	RES,CHIP	100 5% 1/10W
R1203	1-216-067-00	RES,CHIP	5.6K 5% 1/10W	R1306	1-216-025-91	RES,CHIP	100 5% 1/10W
R1204	1-216-067-00	RES,CHIP	5.6K 5% 1/10W	R1307	1-216-081-00	RES,CHIP	22K 5% 1/10W
R1205	1-216-089-91	RES,CHIP	47K 5% 1/10W	R1308	1-216-073-00	RES,CHIP	10K 5% 1/10W
R1206	1-216-089-91	RES,CHIP	47K 5% 1/10W	R1309	1-216-025-91	RES,CHIP	100 5% 1/10W
R1207	1-216-049-91	RES,CHIP	1K 5% 1/10W	R1310	1-216-041-00	RES,CHIP	470 5% 1/10W
R1208	1-216-097-91	RES,CHIP	100K 5% 1/10W	R1311	1-216-033-00	RES,CHIP	220 5% 1/10W
R1209	1-216-121-91	RES,CHIP	1M 5% 1/10W	R1312	1-216-005-00	RES,CHIP	15 5% 1/10W
R1210	1-216-097-91	RES,CHIP	100K 5% 1/10W	R1313	1-216-295-91	SHORT	0
				R1314	1-216-041-00	RES,CHIP	470 5% 1/10W
				R1315	1-216-041-00	RES,CHIP	470 5% 1/10W

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REF. NO.	PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION			REMARK
R1316	1-216-025-91	RES,CHIP	100	5%	1/10W	R1379	1-216-089-91	RES,CHIP	47K	5%	1/10W
R1317	1-216-075-00	RES,CHIP	12K	5%	1/10W	R1380	1-216-097-91	RES,CHIP	100K	5%	1/10W
						R1381	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1318	1-216-025-91	RES,CHIP	100	5%	1/10W	R1382	1-216-095-00	RES,CHIP	82K	5%	1/10W
R1319	1-216-045-00	RES,CHIP	680	5%	1/10W	R1383	1-216-089-91	RES,CHIP	47K	5%	1/10W
R1320	1-216-079-00	RES,CHIP	18K	5%	1/10W						
R1321	1-208-806-11	RES,CHIP	10K	0.50%	1/10W	R1384	1-216-025-91	RES,CHIP	100	5%	1/10W
R1322	1-216-049-91	RES,CHIP	1K	5%	1/10W	R1385	1-216-035-00	RES,CHIP	270	5%	1/10W
						R1386	1-216-033-00	RES,CHIP	220	5%	1/10W
R1323	1-216-049-91	RES,CHIP	1K	5%	1/10W	R1387	1-216-041-00	RES,CHIP	470	5%	1/10W
R1324	1-216-025-91	RES,CHIP	100	5%	1/10W	R1388	1-216-041-00	RES,CHIP	470	5%	1/10W
R1325	1-216-041-00	RES,CHIP	470	5%	1/10W						
R1326	1-216-025-91	RES,CHIP	100	5%	1/10W	R1389	1-216-017-91	RES,CHIP	47	5%	1/10W
R1327	1-216-025-91	RES,CHIP	100	5%	1/10W	R1390	1-216-033-00	RES,CHIP	220	5%	1/10W
						R1391	1-216-041-00	RES,CHIP	470	5%	1/10W
R1328	1-216-033-00	RES,CHIP	220	5%	1/10W	R1392	1-216-045-00	RES,CHIP	680	5%	1/10W
R1329	1-216-053-00	RES,CHIP	1.5K	5%	1/10W	R1393	1-216-027-00	RES,CHIP	120	5%	1/10W
R1330	1-216-073-00	RES,CHIP	10K	5%	1/10W						
R1331	1-216-045-00	RES,CHIP	680	5%	1/10W	R1395	1-216-021-00	RES,CHIP	68	5%	1/10W
R1332	1-216-073-00	RES,CHIP	10K	5%	1/10W	R1396	1-216-021-00	RES,CHIP	68	5%	1/10W
						R3300	1-216-105-91	RES,CHIP	220K	5%	1/10W
R1333	1-216-025-91	RES,CHIP	100	5%	1/10W	R3301	1-216-029-00	RES,CHIP	150	5%	1/10W
R1334	1-216-025-91	RES,CHIP	100	5%	1/10W	R3302	1-216-295-91	SHORT	0		
R1335	1-216-041-00	RES,CHIP	470	5%	1/10W						
R1336	1-216-073-00	RES,CHIP	10K	5%	1/10W	R3303	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1337	1-216-041-00	RES,CHIP	470	5%	1/10W	R3304	1-216-029-00	RES,CHIP	150	5%	1/10W
						R3305	1-216-017-91	RES,CHIP	47	5%	1/10W
R1338	1-216-041-00	RES,CHIP	470	5%	1/10W	R3306	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1339	1-216-079-00	RES,CHIP	18K	5%	1/10W	R3307	1-216-029-00	RES,CHIP	150	5%	1/10W
R1340	1-216-049-91	RES,CHIP	1K	5%	1/10W						
R1341	1-216-041-00	RES,CHIP	470	5%	1/10W	R3308	1-216-037-00	RES,CHIP	330	5%	1/10W
R1342	1-216-041-00	RES,CHIP	470	5%	1/10W	R3309	1-216-049-91	RES,CHIP	1K	5%	1/10W
						R3310	1-216-025-91	RES,CHIP	100	5%	1/10W
R1343	1-216-049-91	RES,CHIP	1K	5%	1/10W	R3311	1-216-295-91	SHORT	0		
R1344	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	R3312	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1345	1-216-041-00	RES,CHIP	470	5%	1/10W						
R1347	1-216-049-91	RES,CHIP	1K	5%	1/10W	R3313	1-216-025-91	RES,CHIP	100	5%	1/10W
R1348	1-216-025-91	RES,CHIP	100	5%	1/10W	R3314	1-216-017-91	RES,CHIP	47	5%	1/10W
						R3315	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1349	1-216-075-00	RES,CHIP	12K	5%	1/10W	R3316	1-216-025-91	RES,CHIP	100	5%	1/10W
R1351	1-216-081-00	RES,CHIP	22K	5%	1/10W	R3317	1-216-037-00	RES,CHIP	330	5%	1/10W
R1352	1-216-049-91	RES,CHIP	1K	5%	1/10W						
R1353	1-216-049-91	RES,CHIP	1K	5%	1/10W	R3318	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1354	1-216-033-00	RES,CHIP	220	5%	1/10W	R3319	1-216-025-91	RES,CHIP	100	5%	1/10W
						R3320	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1356	1-216-049-91	RES,CHIP	1K	5%	1/10W	R3321	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R1357	1-216-025-91	RES,CHIP	100	5%	1/10W	R3323	1-216-025-91	RES,CHIP	100	5%	1/10W
R1358	1-216-041-00	RES,CHIP	470	5%	1/10W						
R1359	1-216-041-00	RES,CHIP	470	5%	1/10W	R3324	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1360	1-216-041-00	RES,CHIP	470	5%	1/10W	R3325	1-216-049-91	RES,CHIP	1K	5%	1/10W
						R3326	1-216-025-91	RES,CHIP	100	5%	1/10W
R1361	1-216-041-00	RES,CHIP	470	5%	1/10W	R3327	1-216-063-91	RES,CHIP	3.9K	5%	1/10W
R1362	1-216-049-91	RES,CHIP	1K	5%	1/10W	R3328	1-216-025-91	RES,CHIP	100	5%	1/10W
R1363	1-216-041-00	RES,CHIP	470	5%	1/10W						
R1364	1-216-025-91	RES,CHIP	100	5%	1/10W	R3329	1-216-089-91	RES,CHIP	47K	5%	1/10W
R1365	1-216-049-91	RES,CHIP	1K	5%	1/10W	R3330	1-216-025-91	RES,CHIP	100	5%	1/10W
						R3331	1-216-025-91	RES,CHIP	100	5%	1/10W
R1366	1-216-041-00	RES,CHIP	470	5%	1/10W	R3332	1-216-041-00	RES,CHIP	470	5%	1/10W
R1367	1-216-049-91	RES,CHIP	1K	5%	1/10W	R3333	1-216-025-91	RES,CHIP	100	5%	1/10W
R1368	1-216-041-00	RES,CHIP	470	5%	1/10W						
R1369	1-216-049-91	RES,CHIP	1K	5%	1/10W	R3334	1-216-025-91	RES,CHIP	100	5%	1/10W
R1370	1-216-041-00	RES,CHIP	470	5%	1/10W	R3335	1-216-022-00	RES,CHIP	75	5%	1/10W
						R3336	1-216-025-91	RES,CHIP	100	5%	1/10W
R1373	1-216-041-00	RES,CHIP	470	5%	1/10W	R3337	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R1374	1-216-045-00	RES,CHIP	680	5%	1/10W	R3338	1-216-025-91	RES,CHIP	100	5%	1/10W
R1376	1-216-097-91	RES,CHIP	100K	5%	1/10W						
R1377	1-216-121-91	RES,CHIP	1M	5%	1/10W	R3339	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R1378	1-216-073-00	RES,CHIP	10K	5%	1/10W	R3341	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
						R3342	1-216-049-91	RES,CHIP	1K	5%	1/10W



REF. NO.	PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION			REMARK
R3343	1-216-049-91	RES,CHIP	1K	5%	1/10W	R5203	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R3344	1-216-089-91	RES,CHIP	47K	5%	1/10W	R5204	1-216-061-00	RES,CHIP	3.3K	5%	1/10W
R3345	1-216-025-91	RES,CHIP	100	5%	1/10W	R5205	1-216-061-00	RES,CHIP	3.3K	5%	1/10W
R3346	1-216-105-91	RES,CHIP	220K	5%	1/10W	R5206	1-216-129-00	RES,CHIP	2.2M	5%	1/10W
R3347	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	R5207	1-216-035-00	RES,CHIP	270	5%	1/10W
R3348	1-216-048-00	RES,CHIP	910	5%	1/10W	R5208	1-216-035-00	RES,CHIP	270	5%	1/10W
R3349	1-216-073-00	RES,CHIP	10K	5%	1/10W	R5210	1-216-033-00	RES,CHIP	220	5%	1/10W
R3350	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	R5211	1-216-033-00	RES,CHIP	220	5%	1/10W
R3351	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	R5212	1-216-033-00	RES,CHIP	220	5%	1/10W
R3352	1-216-089-91	RES,CHIP	47K	5%	1/10W	R5214	1-216-061-00	RES,CHIP	3.3K	5%	1/10W
R3353	1-216-025-91	RES,CHIP	100	5%	1/10W	R5215	1-216-061-00	RES,CHIP	3.3K	5%	1/10W
R3354	1-216-025-91	RES,CHIP	100	5%	1/10W	R5216	1-216-049-91	RES,CHIP	1K	5%	1/10W
R3355	1-216-073-00	RES,CHIP	10K	5%	1/10W	R5217	1-216-049-91	RES,CHIP	1K	5%	1/10W
R3356	1-216-113-00	RES,CHIP	470K	5%	1/10W	R5218	1-216-075-00	RES,CHIP	12K	5%	1/10W
R3357	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	R5219	1-216-075-00	RES,CHIP	12K	5%	1/10W
R3358	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	R5220	1-216-073-00	RES,CHIP	10K	5%	1/10W
R3359	1-216-025-91	RES,CHIP	100	5%	1/10W	R5221	1-216-073-00	RES,CHIP	10K	5%	1/10W
R3360	1-216-295-91	SHORT	0			R5222	1-216-025-91	RES,CHIP	100	5%	1/10W
R3361	1-216-025-91	RES,CHIP	100	5%	1/10W	R5223	1-216-025-91	RES,CHIP	100	5%	1/10W
R3363	1-216-073-00	RES,CHIP	10K	5%	1/10W	R5224	1-216-073-00	RES,CHIP	10K	5%	1/10W
R3364	1-216-113-00	RES,CHIP	470K	5%	1/10W	R5225	1-216-073-00	RES,CHIP	10K	5%	1/10W
R3365	1-216-113-00	RES,CHIP	470K	5%	1/10W	R5226	1-216-073-00	RES,CHIP	10K	5%	1/10W
R3366	1-216-295-91	SHORT	0			R5227	1-216-073-00	RES,CHIP	10K	5%	1/10W
R3367	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	R5228	1-216-049-91	RES,CHIP	1K	5%	1/10W
R3368	1-216-093-91	RES,CHIP	68K	5%	1/10W	R5300	1-216-295-91	SHORT	0		
R3369	1-216-105-91	RES,CHIP	220K	5%	1/10W	R5301	1-216-033-00	RES,CHIP	220	5%	1/10W
R3370	1-216-105-91	RES,CHIP	220K	5%	1/10W	R5302	1-216-029-00	RES,CHIP	150	5%	1/10W
R3371	1-216-022-00	RES,CHIP	75	5%	1/10W	R5303	1-216-041-00	RES,CHIP	470	5%	1/10W
R3372	1-216-295-91	SHORT	0			R5304	1-216-295-91	SHORT	0		
R3373	1-216-295-91	SHORT	0			R5306	1-216-013-00	RES,CHIP	33	5%	1/10W
R3374	1-216-295-91	SHORT	0			R5307	1-216-033-00	RES,CHIP	220	5%	1/10W
R3375	1-216-089-91	RES,CHIP	47K	5%	1/10W	R5308	1-216-031-00	RES,CHIP	180	5%	1/10W
R3377	1-216-022-00	RES,CHIP	75	5%	1/10W	R5309	1-216-041-00	RES,CHIP	470	5%	1/10W
R3378	1-216-048-00	RES,CHIP	910	5%	1/10W	R5310	1-216-689-11	RES,CHIP	39K	5%	1/10W
R3379	1-216-105-91	RES,CHIP	220K	5%	1/10W	R5311	1-216-689-11	RES,CHIP	39K	5%	1/10W
R3380	1-216-105-91	RES,CHIP	220K	5%	1/10W	R5312	1-216-689-11	RES,CHIP	39K	5%	1/10W
R3381	1-216-022-00	RES,CHIP	75	5%	1/10W	R5313	1-216-689-11	RES,CHIP	39K	5%	1/10W
R3382	1-216-025-91	RES,CHIP	100	5%	1/10W	R5314	1-216-689-11	RES,CHIP	39K	5%	1/10W
R3383	1-216-025-91	RES,CHIP	100	5%	1/10W	R5315	1-216-689-11	RES,CHIP	39K	5%	1/10W
R3384	1-216-025-91	RES,CHIP	100	5%	1/10W	R5316	1-216-049-91	RES,CHIP	1K	5%	1/10W
R3385	1-216-105-91	RES,CHIP	220K	5%	1/10W	R5317	1-216-041-00	RES,CHIP	470	5%	1/10W
R3386	1-216-067-00	RES,CHIP	5.6K	5%	1/10W	R5318	1-216-041-00	RES,CHIP	470	5%	1/10W
R3387	1-216-089-91	RES,CHIP	47K	5%	1/10W	R5319	1-216-073-00	RES,CHIP	10K	5%	1/10W
R3388	1-216-089-91	RES,CHIP	47K	5%	1/10W	R5320	1-216-073-00	RES,CHIP	10K	5%	1/10W
R3389	1-216-022-00	RES,CHIP	75	5%	1/10W	R5321	1-216-025-91	RES,CHIP	100	5%	1/10W
R3390	1-216-025-91	RES,CHIP	100	5%	1/10W	R5322	1-216-025-91	RES,CHIP	100	5%	1/10W
R3391	1-216-025-91	RES,CHIP	100	5%	1/10W	R5323	1-216-025-91	RES,CHIP	100	5%	1/10W
R3392	1-216-021-00	RES,CHIP	68	5%	1/10W	R5324	1-216-079-00	RES,CHIP	18K	5%	1/10W
R3393	1-216-067-00	RES,CHIP	5.6K	5%	1/10W	R5325	1-216-075-00	RES,CHIP	12K	5%	1/10W
R3394	1-216-031-00	RES,CHIP	180	5%	1/10W	R5326	1-216-073-00	RES,CHIP	10K	5%	1/10W
R3395	1-216-033-00	RES,CHIP	220	5%	1/10W	R5327	1-216-081-00	RES,CHIP	22K	5%	1/10W
R3396	1-216-041-00	RES,CHIP	470	5%	1/10W	R5328	1-216-073-00	RES,CHIP	10K	5%	1/10W
R3397	1-216-041-00	RES,CHIP	470	5%	1/10W	R5329	1-216-081-00	RES,CHIP	22K	5%	1/10W
R3398	1-216-025-91	RES,CHIP	100	5%	1/10W	R5330	1-216-081-00	RES,CHIP	22K	5%	1/10W
R3399	1-216-025-91	RES,CHIP	100	5%	1/10W	R5331	1-216-081-00	RES,CHIP	22K	5%	1/10W
R5201	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	R5332	1-216-081-00	RES,CHIP	22K	5%	1/10W
R5202	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	R5333	1-216-081-00	RES,CHIP	22K	5%	1/10W

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

REF. NO.	PART NO.	DESCRIPTION	REMARK		
R8306	1-216-025-91	RES,CHIP	100	5%	1/10W
R8307	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R8308	1-216-037-00	RES,CHIP	330	5%	1/10W
R8309	1-216-025-91	RES,CHIP	100	5%	1/10W

* A-1331-868-A C MOUNT					

4-382-854-11 SCREW (M3X10), P, SW (+)					
<CAPACITOR>					
C700	1-110-389-11	FILM MELF	0.1MF	5%	250V
C701	1-162-114-00	CERAMIC	0.0047MF		2KV
C702	1-102-074-00	CERAMIC	0.001MF	10%	50V
C704	1-107-652-11	ELECT	10MF	20%	250V
C707	1-137-399-11	MYLAR	0.1MF	5%	50V
C708	1-102-228-00	CERAMIC	470PF	10%	500V
C709	1-102-228-00	CERAMIC	470PF	10%	500V
C710	1-102-960-00	CERAMIC	24PF	5%	50V
C711	1-102-852-91	CERAMIC	47PF	5%	50V
C712	1-102-525-11	CERAMIC	68PF	5%	50V
C713	1-102-228-00	CERAMIC	470PF	10%	500V
C716	1-126-968-11	ELECT	100MF	20%	50V
C717	1-107-651-11	ELECT	4.7MF	20%	250V
C726	1-104-664-11	ELECT	47MF	20%	25V
C1800	1-126-964-11	ELECT	10MF	20%	50V
C1803	1-126-964-11	ELECT	10MF	20%	50V
C1804	1-126-964-11	ELECT	10MF	20%	50V
C1809	1-126-942-61	ELECT	1000MF	20%	25V
<CONNECTOR>					
CN700	1-695-915-11	TAB (CONTACT)			
CN701	1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P			
CN702	1-695-915-11	TAB (CONTACT)			
CN703	* 1-564-509-11	PLUG, CONNECTOR 6P			
CN704	1-695-915-11	TAB (CONTACT)			
CN705	* 1-564-518-11	PLUG, CONNECTOR 3P			
CN1801	* 1-564-509-11	PLUG, CONNECTOR 6P			
CN1802	* 1-564-506-11	PLUG, CONNECTOR 3P			
<DIODE>					
D700	8-719-911-19	DIODE 1SS119-25			
D701	8-719-911-19	DIODE 1SS119-25			
D702	8-719-911-19	DIODE 1SS119-25			
D703	8-719-911-19	DIODE 1SS119-25			
D704	8-719-911-19	DIODE 1SS119-25			
D705	8-719-051-85	DIODE HSS83TD			
D706	8-719-051-85	DIODE HSS83TD			
D707	8-719-051-85	DIODE HSS83TD			
D708	8-719-911-19	DIODE 1SS119-25			
D709	8-719-911-19	DIODE 1SS119-25			
D710	8-719-911-19	DIODE 1SS119-25			
D711	8-719-110-23	DIODE RD11ESB3			

REF. NO.	PART NO.	DESCRIPTION	REMARK		
D714	8-719-051-85	DIODE HSS83TD			
D715	8-719-051-85	DIODE HSS83TD			
D716	8-719-051-85	DIODE HSS83TD			
D720	8-719-911-19	DIODE 1SS119-25			
D721	8-719-911-19	DIODE 1SS119-25			
D722	8-719-911-19	DIODE 1SS119-25			
D1803	8-719-911-19	DIODE 1SS119-25			
D1804	8-719-911-19	DIODE 1SS119-25			
D1808	8-719-908-03	DIODE GP08D			
<IC>					
IC701	8-759-561-28	IC STV5112			
IC1800	8-759-822-38	IC LA6510			
<JACK>					
J701	Δ 1-540-071-22	SOCKET, CRT			
<COIL>					
L701	1-410-667-31	INDUCTOR	22UH		
L705	1-408-609-41	INDUCTOR	33UH		
L706	1-408-609-41	INDUCTOR	33UH		
L707	1-408-609-41	INDUCTOR	33UH		
<TRANSISTOR>					
Q1800	8-729-119-76	TRANSISTOR 2SA1175-HFE			
Q1802	8-729-119-78	TRANSISTOR 2SC2785-HFE			
<RESISTOR>					
R700	1-249-393-11	CARBON	10	5%	1/4W F
R701	1-249-496-11	CARBON	100K	5%	1/2W
R702	1-215-461-00	METAL	47K	1%	1/4W
R703	1-215-414-00	METAL	510	1%	1/4W
R704	1-215-414-00	METAL	510	1%	1/4W
R705	1-249-417-11	CARBON	1K	5%	1/4W
R706	1-249-417-11	CARBON	1K	5%	1/4W
R707	1-215-414-00	METAL	510	1%	1/4W
R708	1-249-417-11	CARBON	1K	5%	1/4W
R709	1-215-903-11	METAL OXIDE	68K	5%	2W F
R711	1-215-903-11	METAL OXIDE	68K	5%	2W F
R712	1-215-903-11	METAL OXIDE	68K	5%	2W F
R713	1-215-461-00	METAL	47K	1%	1/4W
R714	1-249-425-11	CARBON	4.7K	5%	1/4W
R715	1-249-413-11	CARBON	470	5%	1/4W
R716	1-249-413-11	CARBON	470	5%	1/4W
R717	1-249-425-11	CARBON	4.7K	5%	1/4W
R718	1-247-752-11	CARBON	1K	5%	1/2W
R719	1-249-425-11	CARBON	4.7K	5%	1/4W
R722	1-247-752-11	CARBON	1K	5%	1/2W
R723	1-249-413-11	CARBON	470	5%	1/4W
R724	1-247-752-11	CARBON	1K	5%	1/2W
R730	1-216-392-11	METAL OXIDE	1.8	5%	3W F
R734	1-247-739-11	CARBON	100	5%	1/2W
R744	1-215-415-00	METAL	560	1%	1/4W



REF. NO.	PART NO.	DESCRIPTION	REMARK		
R745	1-215-410-00	METAL	360	1%	1/4W
R1800	1-249-417-11	CARBON	1K	5%	1/4W
R1801	1-249-426-11	CARBON	5.6K	5%	1/4W
R1802	1-249-382-11	CARBON	1.2	5%	1/4W
R1803	1-249-382-11	CARBON	1.2	5%	1/4W
R1805	1-249-429-11	CARBON	10K	5%	1/4W
R1806	1-249-425-11	CARBON	4.7K	5%	1/4W
R1808	1-249-425-11	CARBON	4.7K	5%	1/4W
R1809	1-249-435-11	CARBON	33K	5%	1/4W
R1810	1-249-435-11	CARBON	33K	5%	1/4W
R1811	1-249-440-11	CARBON	82K	5%	1/4W
R1812	1-249-435-11	CARBON	33K	5%	1/4W
R1821	1-249-440-11	CARBON	82K	5%	1/4W
R1822	1-249-435-11	CARBON	33K	5%	1/4W
R1823	1-249-426-11	CARBON	5.6K	5%	1/4W
R1824	1-249-435-11	CARBON	33K	5%	1/4W
R1825	1-247-843-11	CARBON	3.3K	5%	1/4W
<VARIABLE RESISTOR>					
RV702	1-241-656-21	RES, ADJ, METAL FILM 110M			
RV1801	1-223-241-11	RES, ADJ, CARBON 47K			

* A-1343-716-A		DH MOUNT			

<CAPACITOR>					
C3801	1-126-964-11	ELECT	10MF	20%	50V
C3804	1-102-129-00	CERAMIC	0.01MF	10%	50V
C3805	1-126-964-11	ELECT	10MF	20%	50V
C3807	1-102-129-00	CERAMIC	0.01MF	10%	50V
C3816	1-126-964-11	ELECT	10MF	20%	50V
C3819	1-126-960-11	ELECT	1MF	20%	50V
C3822	1-136-165-00	FILM	0.1MF	5%	50V
<CONNECTOR>					
CN3802 *	1-564-507-11	PLUG, CONNECTOR 4P			
CN3803 *	1-564-506-11	PLUG, CONNECTOR 3P			
<DIODE>					
D3805	8-719-911-19	DIODE 1SS119-25			
D3805	8-719-991-33	DIODE 1SS133T-77			
<IC>					
IC3805	8-759-822-38	IC LA6510			
IC3807	1-475-556-11	SENSOR UNIT, MAGNETIC			
<TRANSISTOR>					
Q3807	8-729-030-02	TRANSISTOR DTC144ESA			
Q3808	8-729-030-02	TRANSISTOR DTC144ESA			

REF. NO.	PART NO.	DESCRIPTION	REMARK		
Q3809	8-729-119-78	TRANSISTOR 2SC2785-HFE			
Q3810	8-729-119-76	TRANSISTOR 2SA1175-HFE			
Q3811	8-729-119-78	TRANSISTOR 2SC2785-HFE			
Q3812	8-729-119-78	TRANSISTOR 2SC2785-HFE			
		<RESISTOR>			
R3802	1-249-417-11	CARBON	1K	5%	1/4W
R3803	1-249-417-11	CARBON	1K	5%	1/4W
R3804	1-215-444-00	METAL	9.1K	1%	1/4W
R3805	1-249-420-11	CARBON	1.8K	5%	1/4W
R3807	1-215-413-00	METAL	470	1%	1/4W
R3808	1-247-883-00	CARBON	150K	5%	1/4W
R3809	1-247-876-11	CARBON	75K	5%	1/4W
R3810	1-249-425-11	CARBON	4.7K	5%	1/4W
R3814	1-249-411-11	CARBON	330	5%	1/4W
R3823	1-249-395-11	CARBON	15	5%	1/4W
R3825	1-249-417-11	CARBON	1K	5%	1/4W
R3828	1-249-377-11	CARBON	0.47	5%	1/4W F
R3839	1-249-429-11	CARBON	10K	5%	1/4W
R3845	1-249-425-11	CARBON	4.7K	5%	1/4W
R3846	1-249-417-11	CARBON	1K	5%	1/4W
R3847	1-247-807-31	CARBON	100	5%	1/4W
R3848	1-249-417-11	CARBON	1K	5%	1/4W
R3849	1-249-377-11	CARBON	0.47	5%	1/4W F
R3852	1-249-441-11	CARBON	100K	5%	1/4W
R3854	1-249-429-11	CARBON	10K	5%	1/4W
R3860	1-249-425-11	CARBON	4.7K	5%	1/4W
R3861	1-249-417-11	CARBON	1K	5%	1/4W
		<SWITCH>			
S3801	1-572-707-11	SWITCH, LEVER			

	* A-1343-584-B	D2 MOUNT			

		<CAPACITOR>			
C2801	1-130-479-00	MYLAR	0.0047MF	5%	50V
C2803	1-136-357-11	FILM	680PF	5%	50V
C2805	1-104-664-11	ELECT	47MF	20%	25V
C2806	1-136-559-11	MYLAR	0.0047MF	10%	400V
C2809	1-126-964-11	ELECT	10MF	20%	50V
C2810	1-102-228-00	CERAMIC	470PF	10%	500V
C2811	1-107-938-11	ELECT	0.47MF	20%	160V
C2813	1-107-636-11	ELECT	10MF	20%	160V
C2814	1-126-964-11	ELECT	10MF	20%	50V
C2817	1-102-244-00	CERAMIC	220PF	10%	500V
C2818	1-129-928-00	FILM	0.0027MF	5%	630V
C2819	1-104-664-11	ELECT	47MF	20%	25V
C2820	1-107-714-11	ELECT	10MF	20%	16V
C2821	1-130-469-00	MYLAR	680PF	5%	50V
C2822	1-106-375-12	MYLAR	0.022MF	10%	250V



REF. NO.	PART NO.	DESCRIPTION				REMARK	REF. NO.	PART NO.	DESCRIPTION				REMARK
C2824	1-104-664-11	ELECT	47MF	20%	25V			<TRANSISTOR>					
C2825	1-136-601-11	FILM	0.01MF	5%	630V								
C2826	1-137-194-81	FILM	0.47MF	5%	50V		Q2802	8-729-216-22	TRANSISTOR 2SA1162-G				
C2828	1-107-714-11	ELECT	10MF	20%	16V		Q2805	8-729-216-22	TRANSISTOR 2SA1162-G				
C2829	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V		Q2806	8-729-230-49	TRANSISTOR 2SC2712-YG				
							Q2807	8-729-043-95	TRANSISTOR 2SC3840(3)				
C2830	1-130-480-00	MYLAR	0.0056MF	5%	50V		Q2811	8-729-931-45	TRANSISTOR IRF614				
C2832	1-126-960-11	ELECT	1MF	20%	50V								
C2833	1-137-366-11	FILM	0.0022MF	5%	50V		Q2813	8-729-230-49	TRANSISTOR 2SC2712-YG				
C2834	1-106-220-00	MYLAR	0.1MF	10%	100V		Q2821	8-729-230-49	TRANSISTOR 2SC2712-YG				
C2835	1-216-295-91	SHORT	0				Q2822	8-729-216-22	TRANSISTOR 2SA1162-G				
							Q2823	8-729-017-06	TRANSISTOR 2SC4793				
C2837	1-102-129-00	CERAMIC	0.01MF	10%	50V		Q2824	8-729-140-97	TRANSISTOR 2SB734-34				
C2840	1-137-466-11	MYLAR	0.082MF	5%	100V								
C2841	1-136-177-00	FILM	1MF	5%	50V								
C2842	1-130-477-00	MYLAR	0.0033MF	5%	50V				<RESISTOR>				
C2843	1-107-714-11	ELECT	10MF	20%	16V								
							R2801	1-216-051-00	RES,CHIP	1.2K	5%	1/10W	
C2900	1-130-480-00	MYLAR	0.0056MF	5%	50V		R2803	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
C2901	1-126-964-11	ELECT	10MF	20%	50V		R2804	1-216-041-00	RES,CHIP	470	5%	1/10W	
							R2806	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
		<CONNECTOR>					R2809	1-216-073-00	RES,CHIP	10K	5%	1/10W	
CN2821*	1-564-506-11	PLUG, CONNECTOR 3P					R2812	1-216-097-91	RES,CHIP	100K	5%	1/10W	
CN2822*	1-564-510-11	PLUG, CONNECTOR 7P					R2813	1-216-089-91	RES,CHIP	47K	5%	1/10W	
CN2823	1-695-915-11	TAB (CONTACT)					R2816	1-216-097-91	RES,CHIP	100K	5%	1/10W	
							R2820	1-216-089-91	RES,CHIP	47K	5%	1/10W	
							R2821	1-249-412-11	CARBON	390	5%	1/4W F	
		<DIODE>											
							R2824	1-249-393-11	CARBON	10	5%	1/4W F	
D2801	8-719-073-01	DIODE MA111-(K8).S0					R2825	1-216-037-00	RES,CHIP	330	5%	1/10W	
D2803	8-719-063-73	DIODE D1NL20U-TR					R2827	1-216-041-00	RES,CHIP	470	5%	1/10W	
D2804	8-719-063-73	DIODE D1NL20U-TR					R2830	1-215-899-11	METAL OXIDE	15K	5%	2W F	
D2806	8-719-302-43	DIODE EL1Z					R2831	1-215-873-00	METAL OXIDE	4.7K	5%	1W F	
D2813	8-719-073-01	DIODE MA111-(K8).S0					R2833	1-216-460-11	METAL OXIDE	3.9K	5%	2W F	
D2814	8-719-210-21	DIODE 11EQS04					R2834	1-215-873-00	METAL OXIDE	4.7K	5%	1W F	
D2815	8-719-911-19	DIODE 1SS119-25					R2837	1-216-063-91	RES,CHIP	3.9K	5%	1/10W	
D2816	8-719-911-19	DIODE 1SS119-25					R2838	1-216-675-91	METAL CHIP	10K	0.50%	1/10W	
							R2839	1-216-081-00	RES,CHIP	22K	5%	1/10W	
		<IC>					R2840	1-216-097-91	RES,CHIP	100K	5%	1/10W	
							R2843	1-216-097-91	RES,CHIP	100K	5%	1/10W	
IC2801	8-759-700-07	IC NJM2903M					R2844	1-216-097-91	RES,CHIP	100K	5%	1/10W	
IC2803	8-759-701-59	IC NJM78M09FA					R2846	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
IC2805	8-759-998-98	IC LM358D					R2847	1-216-049-91	RES,CHIP	1K	5%	1/10W	
IC2806	8-759-700-07	IC NJM2903M											
							R2857	1-216-671-11	METAL CHIP	6.8K	0.50%	1/10W	
							R2858	1-216-051-00	RES,CHIP	1.2K	5%	1/10W	
		<CHIP CONDUCTOR>					R2859	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
							R2860	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
JR2006	1-216-295-91	SHORT	0				R2861	1-216-107-00	RES,CHIP	270K	5%	1/10W	
JR2803	1-216-295-91	SHORT	0										
JR2804	1-216-295-91	SHORT	0				R2862	1-216-107-00	RES,CHIP	270K	5%	1/10W	
JR2805	1-216-295-91	SHORT	0				R2866	1-216-073-00	RES,CHIP	10K	5%	1/10W	
							R2867	1-216-689-11	RES,CHIP	39K	5%	1/10W	
							R2869	1-216-113-00	RES,CHIP	470K	5%	1/10W	
							R2871	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
		<COIL>											
L2801	1-406-677-11	INDUCTOR		10MMH			R2872	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
L2802	1-459-111-00	INDUCTOR		10MMH			R2874	1-216-085-00	RES,CHIP	33K	5%	1/10W	
L2803	1-414-502-21	INDUCTOR		33MMH			R2877	1-216-421-11	METAL OXIDE	12	5%	1W F	
L2806	1-406-678-11	INDUCTOR		15MMH			R2878	1-216-081-00	RES,CHIP	22K	5%	1/10W	
							R2879	1-216-081-00	RES,CHIP	22K	5%	1/10W	
							R2880	1-216-073-00	RES,CHIP	10K	5%	1/10W	
							R2882	1-216-069-00	RES,CHIP	6.8K	5%	1/10W	
							R2883	1-216-067-00	RES,CHIP	5.6K	5%	1/10W	

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

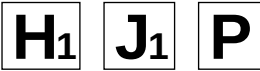


REF. NO.	PART NO.	DESCRIPTION	REMARK		
R2884	1-216-067-00	RES,CHIP	5.6K	5%	1/10W
R2885	1-216-089-91	RES,CHIP	47K	5%	1/10W
R2886	1-216-063-91	RES,CHIP	3.9K	5%	1/10W
R2887	1-216-651-11	METAL CHIP	1K	0.50%	1/10W
R2888	1-216-049-91	RES,CHIP	1K	5%	1/10W
R2889	1-216-101-00	RES,CHIP	150K	5%	1/10W
R2900	1-216-089-91	RES,CHIP	47K	5%	1/10W
R2901	1-216-089-91	RES,CHIP	47K	5%	1/10W
R2902	1-216-089-91	RES,CHIP	47K	5%	1/10W
<SWITCH>					
S2801	1-572-707-11	SWITCH, LEVER			
<TRANSFORMER>					
T2801	1-424-584-11	TRANSFORMER, DYNAMIC FOCUS			

* A-1241-340-A F MOUNT					

1-533-223-11 HOLDER, FUSE					
* 4-374-846-01 COVER, CAPACITOR, CAP TYPE					
<CAPACITOR>					
C654	1-117-703-11	CERAMIC	0.0047MF	99%	250V
C4601 Δ	1-104-708-11	FILM	0.47MF	20%	250V
C4602 Δ	1-109-835-11	FILM	0.68MF	20%	250V
<CONNECTOR>					
CN4601 *	1-580-843-11	PIN, CONNECTOR (POWER)			
CN4602 *	1-580-843-11	PIN, CONNECTOR (POWER)			
CN4603	1-695-915-11	TAB (CONTACT)			
<FUSE>					
F4601 Δ	1-532-299-00	FUSE, TIME-LAG 5A/250V			
<RESISTOR>					
R4601 Δ	1-202-719-00	SOLID	1M	10%	1/2W
<TRANSFORMER>					
T4601	1-431-536-11	TRANSFORMER, LINE FILTER			
T4602	1-431-182-11	TRANSFORMER, LINE FILTER			
<VARISTOR>					
VDR461 Δ	1-801-451-31	VARISTOR TNR14V271K660			

REF. NO.	PART NO.	DESCRIPTION	REMARK		
	* A-1372-556-A	H1 MOUNT *****			
	* 4-055-304-01	HOLDER, LED			
		<CAPACITOR>			
C1900	1-136-153-00	FILM	0.01MF	5%	50V
C1901	1-136-175-00	FILM	0.68MF	5%	50V
C1902	1-136-153-00	FILM	0.01MF	5%	50V
C1903	1-136-175-00	FILM	0.68MF	5%	50V
C1904	1-126-965-11	ELECT	22MF	20%	50V
C1905	1-102-824-00	CERAMIC	470PF	5%	50V
C1908	1-102-824-00	CERAMIC	470PF	5%	50V
C1910	1-104-664-11	ELECT	47MF	20%	16V
C1911	1-104-664-11	ELECT	47MF	20%	16V
C1912	1-102-824-00	CERAMIC	470PF	5%	50V
C1913	1-126-960-11	ELECT	1MF	20%	50V
C1914	1-126-965-11	ELECT	22MF	20%	50V
		<CONNECTOR>			
CN1601*	1-580-844-11	PIN, CONNECTOR (POWER)			
CN1602*	1-695-292-11	PIN, CONNECTOR (POWER)			
CN1901*	1-564-507-11	PLUG, CONNECTOR 4P			
CN1902*	1-564-507-11	PLUG, CONNECTOR 4P			
CN1903*	1-564-518-11	PLUG, CONNECTOR 3P			
CN1904*	1-564-509-11	PLUG, CONNECTOR 6P			
CN1905*	1-564-512-11	PLUG, CONNECTOR 9P			
CN1906*	1-564-507-11	PLUG, CONNECTOR 4P			
		<DIODE>			
D1900	8-719-121-26	DIODE RD9.1ESL2			
D1901	8-719-121-26	DIODE RD9.1ESL2			
D1904	8-719-121-26	DIODE RD9.1ESL2			
D1905	8-719-121-26	DIODE RD9.1ESL2			
D1906	8-719-045-19	DIODE SPB-26MVWF			
D1907	8-719-121-26	DIODE RD9.1ESL2			
D1912	8-719-911-19	DIODE 1SS119-25			
D1913	8-719-911-19	DIODE 1SS119-25			
		<IC>			
IC1901	8-742-014-11	HYB IC SBX1981-51			
		<JACK>			
J1901	1-770-786-11	JACK			
J1902	1-784-646-11	TERMINAL, S			
J1903	1-770-329-11	JACK, PIN 3P			
		<COIL>			
L1901	1-408-603-31	INDUCTOR	10UH		
L1902	1-408-603-31	INDUCTOR	10UH		
L1903	1-416-857-11	INDUCTOR	65UH		
L1904	1-416-857-11	INDUCTOR	65UH		



REF. NO.	PART NO.	DESCRIPTION				REMARK
<TRANSISTOR>						
Q1901	8-729-030-02	TRANSISTOR DTC144ESA				
Q1902	8-729-030-02	TRANSISTOR DTC144ESA				
<RESISTOR>						
R1900	1-249-411-11	CARBON	330	5%	1/4W	
R1901	1-249-411-11	CARBON	330	5%	1/4W	
R1902	1-247-804-11	CARBON	75	5%	1/4W	
R1903	1-249-441-11	CARBON	100K	5%	1/4W	
R1904	1-249-437-11	CARBON	47K	5%	1/4W	
R1905	1-249-437-11	CARBON	47K	5%	1/4W	
R1906	1-249-441-11	CARBON	100K	5%	1/4W	
R1908	1-249-413-11	CARBON	470	5%	1/4W	
R1909	1-249-417-11	CARBON	1K	5%	1/4W	
R1910	1-249-420-11	CARBON	1.8K	5%	1/4W	
R1911	1-249-411-11	CARBON	330	5%	1/4W	
R1912	1-247-843-11	CARBON	3.3K	5%	1/4W	
R1913	1-249-429-11	CARBON	10K	5%	1/4W	
R1914	1-249-411-11	CARBON	330	5%	1/4W	
R1915	1-249-429-11	CARBON	10K	5%	1/4W	
R1916	1-249-401-11	CARBON	47	5%	1/4W	
R1917	1-247-804-11	CARBON	75	5%	1/4W	
R1920	1-247-807-31	CARBON	100	5%	1/4W	
R1921	1-247-807-31	CARBON	100	5%	1/4W	
R1922	1-249-421-11	CARBON	2.2K	5%	1/4W	
R1924	1-247-804-11	CARBON	75	5%	1/4W	
R1925	1-215-381-00	METAL	22	1%	1/4W	
R1926	1-215-381-00	METAL	22	1%	1/4W	
<SWITCH>						
S1601	1-571-433-21	SWITCH, PUSH (AC POWER)				
S1902	1-692-431-21	SWITCH, TACTILE				
S1903	1-692-431-21	SWITCH, TACTILE				
S1904	1-692-431-21	SWITCH, TACTILE				
S1905	1-692-431-21	SWITCH, TACTILE				
S1906	1-692-431-21	SWITCH, TACTILE				
<CAPACITOR>						
C2410	1-126-967-11	ELECT	47MF	20%	50V	
C2411	1-126-967-11	ELECT	47MF	20%	50V	
C2412	1-126-967-11	ELECT	47MF	20%	50V	
C2413	1-102-112-00	CERAMIC	330PF	10%	50V	
C2414	1-102-112-00	CERAMIC	330PF	10%	50V	
C2418	1-126-960-11	ELECT	1MF	20%	50V	
C2419	1-126-960-11	ELECT	1MF	20%	50V	

* A-1388-226-A J1 MOUNT

REF. NO.	PART NO.	DESCRIPTION				REMARK
<CONNECTOR>						
CN2410*	1-564-523-11	PLUG, CONNECTOR 8P				
<DIODE>						
D2410	8-719-121-26	DIODE RD9.1ESL2				
D2411	8-719-121-26	DIODE RD9.1ESL2				
D2412	8-719-121-26	DIODE RD9.1ESL2				
D2414	8-719-121-26	DIODE RD9.1ESL2				
D2415	8-719-121-26	DIODE RD9.1ESL2				
<JACK>						
J2410	1-784-623-11	BLOCK, PIN JACK 5P				
<RESISTOR>						
R2410	1-247-804-11	CARBON	75	5%	1/4W	
R2411	1-247-804-11	CARBON	75	5%	1/4W	
R2412	1-247-804-11	CARBON	75	5%	1/4W	
R2414	1-247-887-00	CARBON	220K	5%	1/4W	
R2415	1-247-807-31	CARBON	100	5%	1/4W	
R2417	1-247-887-00	CARBON	220K	5%	1/4W	
R2418	1-247-807-31	CARBON	100	5%	1/4W	
R2419	1-247-815-91	CARBON	220	5%	1/4W	
R2420	1-247-815-91	CARBON	220	5%	1/4W	
R2421	1-247-815-91	CARBON	220	5%	1/4W	

* A-1195-148-B		P COMPL				

<CAPACITOR>						
C9401	1-163-113-00	CERAMIC CHIP	68PF	5%	50V	
C9402	1-163-038-91	CERAMIC CHIP	0.1MF		25V	
C9404	1-164-346-11	CERAMIC CHIP	1MF		16V	
C9405	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	
C9406	1-163-113-00	CERAMIC CHIP	68PF	5%	50V	
C9408	1-115-419-11	CERAMIC CHIP	3300PF	5%	25V	
C9409	1-115-185-11	CERAMIC CHIP	0.033MF	10%	50V	
C9410	1-126-206-11	ELECT CHIP	100MF	20%	6.3V	
C9412	1-162-569-11	CERAMIC CHIP	100PF	2%	50V	
C9413	1-162-569-11	CERAMIC CHIP	100PF	2%	50V	
C9414	1-162-569-11	CERAMIC CHIP	100PF	2%	50V	
C9415	1-162-569-11	CERAMIC CHIP	100PF	2%	50V	
C9420	1-163-263-11	CERAMIC CHIP	330PF	5%	50V	
C9501	1-126-396-11	ELECT CHIP	47MF	20%	16V	
C9502	1-163-038-91	CERAMIC CHIP	0.1MF		25V	
C9503	1-126-396-11	ELECT CHIP	47MF	20%	16V	
C9504	1-163-038-91	CERAMIC CHIP	0.1MF		25V	
C9505	1-163-038-91	CERAMIC CHIP	0.1MF		25V	
C9507	1-126-396-11	ELECT CHIP	47MF	20%	16V	
C9508	1-163-038-91	CERAMIC CHIP	0.1MF		25V	

* A-1195-148-B P COMPL

P

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
C9509	1-126-204-11	ELECT CHIP 47MF	20% 16V	C9574	1-126-206-11	ELECT CHIP 100MF	20% 6.3V
C9510	1-107-823-11	CERAMIC CHIP 0.47MF	10% 16V	C9576	1-163-143-00	CERAMIC CHIP 0.0012MF	5% 50V
C9511	1-104-760-11	CERAMIC CHIP 0.047MF	10% 50V	C9577	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C9512	1-126-204-11	ELECT CHIP 47MF	20% 16V	C9578	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C9513	1-163-038-91	CERAMIC CHIP 0.1MF	25V	C9579	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C9514	1-163-038-91	CERAMIC CHIP 0.1MF	25V	C9580	1-163-243-11	CERAMIC CHIP 47PF	5% 50V
C9515	1-104-601-11	ELECT CHIP 10MF	20% 10V	C9581	1-164-346-11	CERAMIC CHIP 1MF	16V
C9516	1-104-601-11	ELECT CHIP 10MF	20% 10V	C9582	1-163-251-11	CERAMIC CHIP 100PF	5% 50V
C9517	1-104-601-11	ELECT CHIP 10MF	20% 10V	C9589	1-163-251-11	CERAMIC CHIP 100PF	5% 50V
C9518	1-163-038-91	CERAMIC CHIP 0.1MF	25V	C9590	1-163-251-11	CERAMIC CHIP 100PF	5% 50V
C9519	1-163-038-91	CERAMIC CHIP 0.1MF	25V	C9591	1-126-206-11	ELECT CHIP 100MF	20% 6.3V
C9520	1-163-038-91	CERAMIC CHIP 0.1MF	25V	C9605	1-126-206-11	ELECT CHIP 100MF	20% 6.3V
C9522	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V	C9623	1-164-505-11	CERAMIC CHIP 2.2MF	16V
C9523	1-164-005-11	CERAMIC CHIP 0.47MF	16V	C9626	1-163-038-91	CERAMIC CHIP 0.1MF	25V
C9524	1-164-005-11	CERAMIC CHIP 0.47MF	16V	C9627	1-124-779-00	ELECT CHIP 10MF	20% 16V
C9525	1-163-038-91	CERAMIC CHIP 0.1MF	25V	C9801	1-126-204-11	ELECT CHIP 47MF	20% 16V
C9526	1-163-038-91	CERAMIC CHIP 0.1MF	25V	C9802	1-163-038-91	CERAMIC CHIP 0.1MF	25V
C9527	1-104-601-11	ELECT CHIP 10MF	20% 10V	C9803	1-126-204-11	ELECT CHIP 47MF	20% 16V
C9528	1-104-601-11	ELECT CHIP 10MF	20% 10V	C9804	1-163-038-91	CERAMIC CHIP 0.1MF	25V
C9529	1-104-601-11	ELECT CHIP 10MF	20% 10V	C9846	1-163-121-00	CERAMIC CHIP 150PF	5% 50V
C9530	1-163-038-91	CERAMIC CHIP 0.1MF	25V	C9847	1-163-121-00	CERAMIC CHIP 150PF	5% 50V
C9531	1-163-038-91	CERAMIC CHIP 0.1MF	25V	C9849	1-164-161-11	CERAMIC CHIP 0.0022MF	10% 50V
C9532	1-163-038-91	CERAMIC CHIP 0.1MF	25V	C9850	1-164-161-11	CERAMIC CHIP 0.0022MF	10% 50V
C9533	1-163-038-91	CERAMIC CHIP 0.1MF	25V	C9858	1-163-038-91	CERAMIC CHIP 0.1MF	25V
C9534	1-163-038-91	CERAMIC CHIP 0.1MF	25V	C9859	1-126-206-11	ELECT CHIP 100MF	20% 6.3V
C9535	1-126-396-11	ELECT CHIP 47MF	20% 16V	C9860	1-163-038-91	CERAMIC CHIP 0.1MF	25V
C9536	1-126-396-11	ELECT CHIP 47MF	20% 16V	C9883	1-163-038-91	CERAMIC CHIP 0.1MF	25V
C9537	1-107-823-11	CERAMIC CHIP 0.47MF	10% 16V	C9884	1-163-038-91	CERAMIC CHIP 0.1MF	25V
C9538	1-104-760-11	CERAMIC CHIP 0.047MF	10% 50V	C9885	1-126-396-11	ELECT CHIP 47MF	20% 16V
C9539	1-163-038-91	CERAMIC CHIP 0.1MF	25V	C9886	1-126-204-11	ELECT CHIP 47MF	20% 16V
C9540	1-163-038-91	CERAMIC CHIP 0.1MF	25V	C9889	1-126-396-11	ELECT CHIP 47MF	20% 16V
C9541	1-163-038-91	CERAMIC CHIP 0.1MF	25V	C9892	1-163-233-11	CERAMIC CHIP 18PF	5% 50V
C9542	1-163-038-91	CERAMIC CHIP 0.1MF	25V	C9893	1-163-231-11	CERAMIC CHIP 15PF	5% 50V
C9543	1-164-489-11	CERAMIC CHIP 0.22MF	10% 16V	C9894	1-126-204-11	ELECT CHIP 47MF	20% 16V
C9544	1-163-038-91	CERAMIC CHIP 0.1MF	25V			<CONNECTOR>	
C9545	1-163-038-91	CERAMIC CHIP 0.1MF	25V	CN9501	1-573-299-21	CONNECTOR, BOARD TO BOARD 10P	
C9546	1-163-038-91	CERAMIC CHIP 0.1MF	25V	CN9502	1-764-811-11	CONNECTOR, BOARD TO BOARD 10P	
C9547	1-163-038-91	CERAMIC CHIP 0.1MF	25V	CN9503	1-764-813-11	CONNECTOR, BOARD TO BOARD 12P	
C9548	1-163-038-91	CERAMIC CHIP 0.1MF	25V			<DIODE>	
C9549	1-163-038-91	CERAMIC CHIP 0.1MF	25V	D9504	8-719-025-33	DIODE 02CZ6.2-TE85L	
C9550	1-126-206-11	ELECT CHIP 100MF	20% 6.3V	D9505	8-719-025-33	DIODE 02CZ6.2-TE85L	
C9552	1-163-038-91	CERAMIC CHIP 0.1MF	25V	D9506	8-719-073-01	DIODE MA111-(K8).S0	
C9553	1-163-038-91	CERAMIC CHIP 0.1MF	25V	D9506	8-719-988-61	DIODE 1SS355TE-17	
C9554	1-126-204-11	ELECT CHIP 47MF	20% 16V			<FERRITE BEAD>	
C9555	1-126-204-11	ELECT CHIP 47MF	20% 16V	FB9501	1-414-233-22	INDUCTOR CHIP 0UH	
C9556	1-104-760-11	CERAMIC CHIP 0.047MF	10% 50V	FB9502	1-414-233-22	INDUCTOR CHIP 0UH	
C9558	1-126-204-11	ELECT CHIP 47MF	20% 16V			<FILTER>	
C9560	1-163-038-91	CERAMIC CHIP 0.1MF	25V	FL9501	1-233-505-21	FILTER, LOW PASS	
C9561	1-163-038-91	CERAMIC CHIP 0.1MF	25V	FL9502	1-233-504-21	FILTER, LOW PASS	
C9562	1-163-038-91	CERAMIC CHIP 0.1MF	25V	FL9503	1-233-504-21	FILTER, LOW PASS	
C9563	1-163-038-91	CERAMIC CHIP 0.1MF	25V				
C9564	1-163-038-91	CERAMIC CHIP 0.1MF	25V				
C9565	1-163-038-91	CERAMIC CHIP 0.1MF	25V				
C9566	1-163-038-91	CERAMIC CHIP 0.1MF	25V				
C9567	1-126-204-11	ELECT CHIP 47MF	20% 16V				
C9568	1-163-038-91	CERAMIC CHIP 0.1MF	25V				
C9569	1-163-275-11	CERAMIC CHIP 0.001MF	5% 50V				
C9570	1-163-275-11	CERAMIC CHIP 0.001MF	5% 50V				



REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
FL9504	1-233-504-21	FILTER, LOW PASS		<TRANSISTOR>			
FL9505	1-233-504-21	FILTER, LOW PASS		Q9401	8-729-230-49	TRANSISTOR 2SC2712-YG	
FL9506	1-233-505-21	FILTER, LOW PASS		Q9402	8-729-230-49	TRANSISTOR 2SC2712-YG	
FL9604	1-233-945-21	FILTER, LOW PASS		Q9403	8-729-230-49	TRANSISTOR 2SC2712-YG	
FL9607	1-233-944-21	FILTER, LOW PASS		Q9404	1-801-806-11	TRANSISTOR DTC144EKA-T146	
FL9608	1-233-944-21	FILTER, LOW PASS		Q9405	8-729-230-49	TRANSISTOR 2SC2712-YG	
<IC>				Q9406	8-729-230-49	TRANSISTOR 2SC2712-YG	
IC9401	8-759-907-81	IC SN74LS221NS		Q9407	8-729-230-49	TRANSISTOR 2SC2712-YG	
IC9501	8-759-467-22	IC MSM548331TS-K		Q9408	1-801-806-11	TRANSISTOR DTC144EKA-T146	
IC9502	8-759-467-22	IC MSM548331TS-K		Q9410	8-729-216-22	TRANSISTOR 2SA1162-G	
IC9503	8-759-295-09	IC TLC2932IPW		Q9411	8-729-216-22	TRANSISTOR 2SA1162-G	
IC9504	8-759-295-09	IC TLC2932IPW		Q9501	1-801-806-11	TRANSISTOR DTC144EKA-T146	
IC9505	8-759-295-09	IC TLC2932IPW		Q9502	1-801-806-11	TRANSISTOR DTC144EKA-T146	
IC9506	8-752-392-55	IC CXD2079Q		Q9505	8-729-230-49	TRANSISTOR 2SC2712-YG	
IC9509	8-759-424-27	IC MC74HC163AFEL		Q9517	8-729-216-22	TRANSISTOR 2SA1162-G	
IC9510	8-759-424-27	IC MC74HC163AFEL		Q9519	8-729-216-22	TRANSISTOR 2SA1162-G	
IC9511	8-759-298-38	IC SN74LS164NSR		Q9520	8-729-230-49	TRANSISTOR 2SC2712-YG	
IC9525	8-759-352-91	IC PST9143NL		Q9521	8-729-230-49	TRANSISTOR 2SC2712-YG	
IC9526	8-759-527-74	IC M24C02-MN6T		Q9522	8-729-230-49	TRANSISTOR 2SC2712-YG	
IC9527	8-752-904-39	IC CXP86332-018Q		Q9523	8-729-216-22	TRANSISTOR 2SA1162-G	
IC9530	8-759-485-79	IC TC7SET08FU(TE85L)		Q9530	8-729-216-22	TRANSISTOR 2SA1162-G	
IC9531	8-759-485-79	IC TC7SET08FU(TE85L)		Q9533	8-729-216-22	TRANSISTOR 2SA1162-G	
IC9532	8-759-485-79	IC TC7SET08FU(TE85L)		Q9540	8-729-216-22	TRANSISTOR 2SA1162-G	
<CHIP CONDUCTOR>				Q9552	8-729-230-49	TRANSISTOR 2SC2712-YG	
JR9401	1-216-295-91	SHORT	0	Q9553	8-729-230-49	TRANSISTOR 2SC2712-YG	
<COIL>				Q9554	8-729-230-49	TRANSISTOR 2SC2712-YG	
L9401	1-414-757-11	INDUCTOR	100UH	Q9558	8-729-216-22	TRANSISTOR 2SA1162-G	
L9402	1-414-757-11	INDUCTOR	100UH	Q9562	8-729-216-22	TRANSISTOR 2SA1162-G	
L9501	1-414-754-11	INDUCTOR	10UH	Q9563	8-729-216-22	TRANSISTOR 2SA1162-G	
L9502	1-414-757-11	INDUCTOR	100UH	Q9568	8-729-230-49	TRANSISTOR 2SC2712-YG	
L9503	1-414-757-11	INDUCTOR	100UH	<RESISTOR>			
L9504	1-414-754-11	INDUCTOR	10UH	R9401	1-216-041-00	RES,CHIP	470 5% 1/10W
L9505	1-414-757-11	INDUCTOR	100UH	R9402	1-216-057-00	RES,CHIP	2.2K 5% 1/10W
L9506	1-414-757-11	INDUCTOR	100UH	R9403	1-216-091-00	RES,CHIP	56K 5% 1/10W
L9507	1-414-754-11	INDUCTOR	10UH	R9404	1-216-081-00	RES,CHIP	22K 5% 1/10W
L9508	1-412-006-31	INDUCTOR CHIP	10UH	R9405	1-216-079-00	RES,CHIP	18K 5% 1/10W
L9509	1-414-757-11	INDUCTOR	100UH	R9407	1-216-049-91	RES,CHIP	1K 5% 1/10W
L9510	1-414-757-11	INDUCTOR	100UH	R9408	1-216-073-00	RES,CHIP	10K 5% 1/10W
L9511	1-414-754-11	INDUCTOR	10UH	R9409	1-216-041-00	RES,CHIP	470 5% 1/10W
L9512	1-414-754-11	INDUCTOR	10UH	R9410	1-216-091-00	RES,CHIP	56K 5% 1/10W
L9513	1-412-006-31	INDUCTOR CHIP	10UH	R9411	1-216-057-00	RES,CHIP	2.2K 5% 1/10W
L9514	1-412-006-31	INDUCTOR CHIP	10UH	R9412	1-216-049-91	RES,CHIP	1K 5% 1/10W
L9515	1-414-754-11	INDUCTOR	10UH	R9416	1-216-073-00	RES,CHIP	10K 5% 1/10W
L9523	1-414-754-11	INDUCTOR	10UH	R9417	1-216-079-00	RES,CHIP	18K 5% 1/10W
L9531	1-414-754-11	INDUCTOR	10UH	R9418	1-216-049-91	RES,CHIP	1K 5% 1/10W
L9538	1-414-754-11	INDUCTOR	10UH	R9419	1-216-073-00	RES,CHIP	10K 5% 1/10W
L9539	1-414-754-11	INDUCTOR	10UH	R9420	1-216-073-00	RES,CHIP	10K 5% 1/10W
L9544	1-414-754-11	INDUCTOR	10UH	R9421	1-216-049-91	RES,CHIP	1K 5% 1/10W
L9545	1-414-752-11	INDUCTOR	2.2UH	R9422	1-216-025-91	RES,CHIP	100 5% 1/10W
L9605	1-414-757-11	INDUCTOR	100UH	R9424	1-216-025-91	RES,CHIP	100 5% 1/10W
				R9427	1-216-049-91	RES,CHIP	1K 5% 1/10W
				R9428	1-216-025-91	RES,CHIP	100 5% 1/10W
				R9429	1-208-800-11	RES,CHIP	5.6K 0.50% 1/10W
				R9430	1-216-067-00	RES,CHIP	5.6K 5% 1/10W
				R9431	1-216-295-91	SHORT	0
				R9432	1-216-057-00	RES,CHIP	2.2K 5% 1/10W



REF. NO.	PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION			REMARK
R9433	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	R9526	1-216-295-91	SHORT	0		
R9435	1-216-061-00	RES,CHIP	3.3K	5%	1/10W	R9528	1-216-295-91	SHORT	0		
R9436	1-216-025-91	RES,CHIP	100	5%	1/10W	R9529	1-216-041-00	RES,CHIP	470	5%	1/10W
R9437	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	R9530	1-216-051-00	RES,CHIP	1.2K	5%	1/10W
R9438	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	R9531	1-216-117-00	RES,CHIP	680K	5%	1/10W
R9439	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	R9532	1-216-061-00	RES,CHIP	3.3K	5%	1/10W
R9440	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	R9533	1-208-798-11	RES,CHIP	4.7K	0.50%	1/10W
R9441	1-216-025-91	RES,CHIP	100	5%	1/10W	R9534	1-208-774-11	RES,CHIP	470	0.50%	1/10W
R9442	1-208-776-11	RES,CHIP	560	0.50%	1/10W	R9535	1-208-770-11	RES,CHIP	330	0.50%	1/10W
R9445	1-216-079-00	RES,CHIP	18K	5%	1/10W	R9536	1-208-770-11	RES,CHIP	330	0.50%	1/10W
R9446	1-216-083-00	RES,CHIP	27K	5%	1/10W	R9537	1-208-770-11	RES,CHIP	330	0.50%	1/10W
R9447	1-208-798-11	RES,CHIP	4.7K	0.50%	1/10W	R9538	1-208-782-11	RES,CHIP	1K	0.50%	1/10W
R9448	1-216-079-00	RES,CHIP	18K	5%	1/10W	R9539	1-216-025-91	RES,CHIP	100	5%	1/10W
R9449	1-216-083-00	RES,CHIP	27K	5%	1/10W	R9540	1-216-085-00	RES,CHIP	33K	5%	1/10W
R9450	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	R9541	1-216-061-00	RES,CHIP	3.3K	5%	1/10W
R9451	1-216-025-91	RES,CHIP	100	5%	1/10W	R9542	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R9452	1-216-025-91	RES,CHIP	100	5%	1/10W	R9543	1-216-041-00	RES,CHIP	470	5%	1/10W
R9453	1-216-295-91	SHORT	0			R9544	1-216-053-00	RES,CHIP	1.5K	5%	1/10W
R9455	1-216-049-91	RES,CHIP	1K	5%	1/10W	R9545	1-216-295-91	SHORT	0		
R9456	1-216-049-91	RES,CHIP	1K	5%	1/10W	R9546	1-216-061-00	RES,CHIP	3.3K	5%	1/10W
R9457	1-216-025-91	RES,CHIP	100	5%	1/10W	R9547	1-216-041-00	RES,CHIP	470	5%	1/10W
R9458	1-216-025-91	RES,CHIP	100	5%	1/10W	R9548	1-216-051-00	RES,CHIP	1.2K	5%	1/10W
R9460	1-216-049-91	RES,CHIP	1K	5%	1/10W	R9549	1-216-117-00	RES,CHIP	680K	5%	1/10W
R9483	1-208-770-11	RES,CHIP	330	0.50%	1/10W	R9551	1-208-754-11	RES,CHIP	68	0.50%	1/10W
R9484	1-208-754-11	RES,CHIP	68	0.50%	1/10W	R9553	1-208-754-11	RES,CHIP	68	0.50%	1/10W
R9485	1-208-754-11	RES,CHIP	68	0.50%	1/10W	R9554	1-216-295-91	SHORT	0		
R9486	1-208-754-11	RES,CHIP	68	0.50%	1/10W	R9555	1-216-037-00	RES,CHIP	330	5%	1/10W
R9487	1-208-754-11	RES,CHIP	68	0.50%	1/10W	R9556	1-216-033-00	RES,CHIP	220	5%	1/10W
R9488	1-208-754-11	RES,CHIP	68	0.50%	1/10W	R9558	1-216-117-00	RES,CHIP	680K	5%	1/10W
R9491	1-208-754-11	RES,CHIP	68	0.50%	1/10W	R9559	1-216-295-91	SHORT	0		
R9492	1-208-754-11	RES,CHIP	68	0.50%	1/10W	R9560	1-216-049-91	RES,CHIP	1K	5%	1/10W
R9493	1-208-754-11	RES,CHIP	68	0.50%	1/10W	R9561	1-216-025-91	RES,CHIP	100	5%	1/10W
R9494	1-208-754-11	RES,CHIP	68	0.50%	1/10W	R9562	1-216-025-91	RES,CHIP	100	5%	1/10W
R9495	1-208-754-11	RES,CHIP	68	0.50%	1/10W	R9563	1-216-025-91	RES,CHIP	100	5%	1/10W
R9496	1-208-754-11	RES,CHIP	68	0.50%	1/10W	R9564	1-216-025-91	RES,CHIP	100	5%	1/10W
R9497	1-208-754-11	RES,CHIP	68	0.50%	1/10W	R9566	1-216-295-91	SHORT	0		
R9498	1-208-770-11	RES,CHIP	330	0.50%	1/10W	R9567	1-208-798-11	RES,CHIP	4.7K	0.50%	1/10W
R9501	1-216-061-00	RES,CHIP	3.3K	5%	1/10W	R9568	1-208-798-11	RES,CHIP	4.7K	0.50%	1/10W
R9502	1-216-051-00	RES,CHIP	1.2K	5%	1/10W	R9569	1-216-295-91	SHORT	0		
R9503	1-216-117-00	RES,CHIP	680K	5%	1/10W	R9570	1-216-295-91	SHORT	0		
R9504	1-216-041-00	RES,CHIP	470	5%	1/10W	R9571	1-216-295-91	SHORT	0		
R9505	1-216-295-91	SHORT	0			R9572	1-216-025-91	RES,CHIP	100	5%	1/10W
R9506	1-216-049-91	RES,CHIP	1K	5%	1/10W	R9573	1-216-073-00	RES,CHIP	10K	5%	1/10W
R9510	1-216-117-00	RES,CHIP	680K	5%	1/10W	R9574	1-216-073-00	RES,CHIP	10K	5%	1/10W
R9512	1-216-037-00	RES,CHIP	330	5%	1/10W	R9575	1-216-073-00	RES,CHIP	10K	5%	1/10W
R9513	1-216-073-00	RES,CHIP	10K	5%	1/10W	R9579	1-216-025-91	RES,CHIP	100	5%	1/10W
R9514	1-216-073-00	RES,CHIP	10K	5%	1/10W	R9580	1-216-025-91	RES,CHIP	100	5%	1/10W
R9515	1-216-033-00	RES,CHIP	220	5%	1/10W	R9581	1-216-033-00	RES,CHIP	220	5%	1/10W
R9517	1-216-295-91	SHORT	0			R9582	1-216-045-00	RES,CHIP	680	5%	1/10W
R9518	1-216-085-00	RES,CHIP	33K	5%	1/10W	R9584	1-216-295-91	SHORT	0		
R9519	1-216-295-91	SHORT	0			R9591	1-216-049-91	RES,CHIP	1K	5%	1/10W
R9520	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	R9592	1-216-295-91	SHORT	0		
R9521	1-216-053-00	RES,CHIP	1.5K	5%	1/10W	R9593	1-216-295-91	SHORT	0		
R9522	1-216-053-00	RES,CHIP	1.5K	5%	1/10W	R9594	1-216-295-91	SHORT	0		
R9523	1-216-061-00	RES,CHIP	3.3K	5%	1/10W	R9595	1-216-295-91	SHORT	0		
R9524	1-216-061-00	RES,CHIP	3.3K	5%	1/10W	R9596	1-216-049-91	RES,CHIP	1K	5%	1/10W
R9525	1-216-085-00	RES,CHIP	33K	5%	1/10W	R9597	1-216-295-91	SHORT	0		



REF. NO.	PART NO.	DESCRIPTION			REMARK
R9598	1-216-295-91	SHORT	0		
R9599	1-216-295-91	SHORT	0		
R9647	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R9648	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R9727	1-208-794-11	RES,CHIP	3.3K	0.50%	1/10W
R9728	1-216-049-91	RES,CHIP	1K	5%	1/10W
R9729	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R9733	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R9734	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R9735	1-208-762-11	RES,CHIP	150	0.50%	1/10W
R9742	1-208-762-11	RES,CHIP	150	0.50%	1/10W
R9743	1-208-762-11	RES,CHIP	150	0.50%	1/10W
R9744	1-216-655-11	RES,CHIP	1.5K	0.50%	1/10W
R9747	1-216-655-11	RES,CHIP	1.5K	0.50%	1/10W
R9752	1-216-655-11	RES,CHIP	1.5K	0.50%	1/10W
R9753	1-216-025-91	RES,CHIP	100	5%	1/10W
R9772	1-216-025-91	RES,CHIP	100	5%	1/10W
R9773	1-216-295-91	SHORT	0		
R9774	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R9782	1-216-049-91	RES,CHIP	1K	5%	1/10W
R9786	1-216-049-91	RES,CHIP	1K	5%	1/10W
R9801	1-216-295-91	SHORT	0		
R9802	1-216-049-91	RES,CHIP	1K	5%	1/10W
R9803	1-216-049-91	RES,CHIP	1K	5%	1/10W
R9804	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R9805	1-216-073-00	RES,CHIP	10K	5%	1/10W
R9806	1-216-073-00	RES,CHIP	10K	5%	1/10W
R9807	1-216-049-91	RES,CHIP	1K	5%	1/10W
R9808	1-208-774-11	RES,CHIP	470	0.50%	1/10W
R9809	1-208-766-11	RES,CHIP	220	0.50%	1/10W
R9810	1-208-800-11	RES,CHIP	5.6K	0.50%	1/10W
R9811	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R9812	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R9813	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R9814	1-216-049-91	RES,CHIP	1K	5%	1/10W
R9815	1-216-049-91	RES,CHIP	1K	5%	1/10W
R9816	1-216-049-91	RES,CHIP	1K	5%	1/10W
R9817	1-216-049-91	RES,CHIP	1K	5%	1/10W
R9818	1-216-049-91	RES,CHIP	1K	5%	1/10W
R9819	1-216-049-91	RES,CHIP	1K	5%	1/10W
R9820	1-216-025-91	RES,CHIP	100	5%	1/10W
R9823	1-216-025-91	RES,CHIP	100	5%	1/10W
R9827	1-208-773-11	RES,CHIP	430	0.50%	1/10W
R9828	1-208-800-11	RES,CHIP	5.6K	0.50%	1/10W
R9829	1-216-049-91	RES,CHIP	1K	5%	1/10W
R9840	1-216-295-91	SHORT	0		
R9842	1-208-774-11	RES,CHIP	470	0.50%	1/10W
R9843	1-208-766-11	RES,CHIP	220	0.50%	1/10W
R9849	1-208-800-11	RES,CHIP	5.6K	0.50%	1/10W
R9850	1-208-800-11	RES,CHIP	5.6K	0.50%	1/10W
R9851	1-208-800-11	RES,CHIP	5.6K	0.50%	1/10W
R9852	1-208-773-11	RES,CHIP	430	0.50%	1/10W
R9853	1-216-053-00	RES,CHIP	1.5K	5%	1/10W
R9854	1-216-053-00	RES,CHIP	1.5K	5%	1/10W
R9855	1-216-053-00	RES,CHIP	1.5K	5%	1/10W
R9864	1-208-776-11	RES,CHIP	560	0.50%	1/10W

REF. NO.	PART NO.	DESCRIPTION			REMARK
		<CRYSTAL>			
X9504	1-781-174-21	VIBRATOR, CERAMIC			
X9508	1-767-262-31	VIBRATOR, CRYSTAL			

	* A-1342-440-A	VM2 MOUNT			

	4-382-854-11	SCREW (M3X10), P, SW (+)			
		<CAPACITOR>			
C5900	1-102-115-00	CERAMIC	560PF	10%	50V
C5902	1-107-883-11	ELECT	330MF	20%	16V
C5903	1-161-830-00	CERAMIC	0.0047MF		500V
C5905	1-126-925-11	ELECT	470MF	20%	10V
C5906	1-130-491-00	MYLAR	0.047MF	5%	50V
C5907	1-107-638-11	ELECT	33MF	20%	160V
C5908	1-106-383-00	MYLAR	0.047MF	10%	200V
C5910	1-130-471-00	MYLAR	0.001MF	5%	50V
C5911	1-107-949-11	ELECT	2.2MF	20%	160V
C5912	1-104-999-11	MYLAR	0.1MF	10%	200V
C5913	1-130-471-00	MYLAR	0.001MF	5%	50V
C5914	1-126-933-11	ELECT	100MF	20%	16V
C5916	1-130-491-00	MYLAR	0.047MF	5%	50V
C5917	1-126-925-11	ELECT	470MF	20%	10V
C5919	1-130-471-00	MYLAR	0.001MF	5%	50V
C5921	1-101-880-00	CERAMIC	47PF	10%	50V
C5922	1-107-714-11	ELECT	10MF	20%	16V
		<CONNECTOR>			
CN2801*	1-564-506-11	PLUG, CONNECTOR 3P			
CN5901*	1-564-510-11	PLUG, CONNECTOR 7P			
CN5904*	1-770-723-11	CONNECTOR, BOARD TO BOARD 8P			
		<DIODE>			
D5901	8-719-911-19	DIODE 1SS119-25			
D5902	8-719-110-88	DIODE RD39ESB2			
D5902	8-719-110-88	DIODE RD39ESB2			
D5904	8-719-110-88	DIODE RD39ESB2			
D5906	1-249-399-11	CARBON	33	5%	1/4W
D5907	1-249-399-11	CARBON	33	5%	1/4W
D5909	8-719-911-19	DIODE 1SS119-25			
D5910	8-719-911-19	DIODE 1SS119-25			
		<COIL>			
L5901	1-414-187-11	INDUCTOR	47UH		
		<TRANSISTOR>			
Q5901	8-729-119-78	TRANSISTOR 2SC2785-HFE			
Q5902	8-729-017-05	TRANSISTOR 2SA1837			

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

REF. NO.	PART NO.	DESCRIPTION				REMARK
Q5903	8-729-119-78	TRANSISTOR 2SC2785-HFE				
Q5904	8-729-119-76	TRANSISTOR 2SA1175-HFE				
Q5905	8-729-119-78	TRANSISTOR 2SC2785-HFE				
Q5906	8-729-017-06	TRANSISTOR 2SC4793				
Q5907	8-729-922-37	TRANSISTOR 2SD2144S-UVW				
Q5908	8-729-119-78	TRANSISTOR 2SC2785-HFE				
Q5909	8-729-119-78	TRANSISTOR 2SC2785-HFE				
<RESISTOR>						
R5901	1-249-401-11	CARBON	47	5%	1/4W	
R5902	1-249-414-11	CARBON	560	5%	1/4W	F
R5903	1-247-731-11	CARBON	22	5%	1/2W	F
R5904	1-249-408-11	CARBON	180	5%	1/4W	
R5905	1-249-417-11	CARBON	1K	5%	1/4W	
R5906	1-249-417-11	CARBON	1K	5%	1/4W	
R5907	1-249-417-11	CARBON	1K	5%	1/4W	
R5908	1-249-383-11	CARBON	1.5	5%	1/4W	F
R5909	1-247-815-91	CARBON	220	5%	1/4W	
R5910	1-249-403-11	CARBON	68	5%	1/4W	
R5911	1-249-432-11	CARBON	18K	5%	1/4W	
R5914	1-249-403-11	CARBON	68	5%	1/4W	
R5917	1-249-418-11	CARBON	1.2K	5%	1/4W	
R5918	1-249-429-11	CARBON	10K	5%	1/4W	
R5919	1-249-417-11	CARBON	1K	5%	1/4W	F
R5920	1-249-432-11	CARBON	18K	5%	1/4W	
R5921	1-216-477-11	METAL OXIDE	270	5%	3W	F
R5922	1-249-414-11	CARBON	560	5%	1/4W	
R5923	1-249-383-11	CARBON	1.5	5%	1/4W	F
R5924	1-249-397-11	CARBON	22	5%	1/4W	F
R5925	1-249-397-11	CARBON	22	5%	1/4W	F
R5927	1-249-416-11	CARBON	820	5%	1/4W	
R5930	1-249-419-11	CARBON	1.5K	5%	1/4W	
R5931	1-249-442-11	CARBON	510	5%	1/4W	
R5932	1-249-437-11	CARBON	47K	5%	1/4W	
R5933	1-249-417-11	CARBON	1K	5%	1/4W	

REF. NO.	PART NO.	DESCRIPTION	REMARK
		MISCELLANEOUS	

	1-251-658-21	SPLITTER RF	
Δ	1-416-871-11	COIL, LANDING CORRECTION	
Δ	1-419-290-11	COIL, DEMAGNETIC	
	1-452-094-00	CIRCULAR DISC MAGNET B	
	1-452-032-00	MAGNET, DISC	
	1-505-473-11	SPEAKER (12CM)	
	1-505-474-11	SPEAKER (5CM)	
*	1-555-110-00	P-P CABLE	
	1-565-886-11	ADAPTOR, CONVERSION	
Δ	1-575-023-11	CORD, POWER (WITH CONNECTOR) 6A/250V	
	1-771-360-11	SWITCH, TOP	
Δ	8-451-499-11	DEFLECTION YOKE(Y34RSA-M)	
Δ	8-735-062-05	PICTURE TUBE(A80LPD10X)	
Δ	1-467-525-21	CAP BLOCK, HIGH VOLTAGE	
Δ	1-251-756-31	CAP ASSY, HIGH VOLTAGE	

ACCESSORIES AND PACKING MATERIALS			

	1-565-886-11	ADAPTOR, CONVERSION	
	3-701-910-00	SCREW, SPECIAL (DIA. 3.8X20)	
	3-701-910-00	SCREW, SPECIAL (DIA. 3.8X20)	
	3-864-789-61	MANUAL, INSTRUCTION	
	4-392-004-11	CLIP	
	4-392-004-01	CLIP	
	4-392-003-01	BAND, HOLD	
*	4-067-103-01	TRAY	
*	4-067-103-11	TRAY	
*	4-067-104-01	CUSHION (UPPER) (ASSY)	
*	4-067-105-01	CUSHION (LOWER) (ASSY)	
*	4-071-594-01	INDIVIDUAL CARTON	
*	4-384-101-21	BAG, PROTECTION	
*	4-396-077-01	JOINT	

REMOTE COMMANDER

1-418-459-11	REMOTE COMMANDER (RM-913)
4-978-977-01	BATTERY COVER, REMOTE COMMANDER

