

SAMSUNG

PROJECTION TV RECEIVER

Chassis : P60A(N)

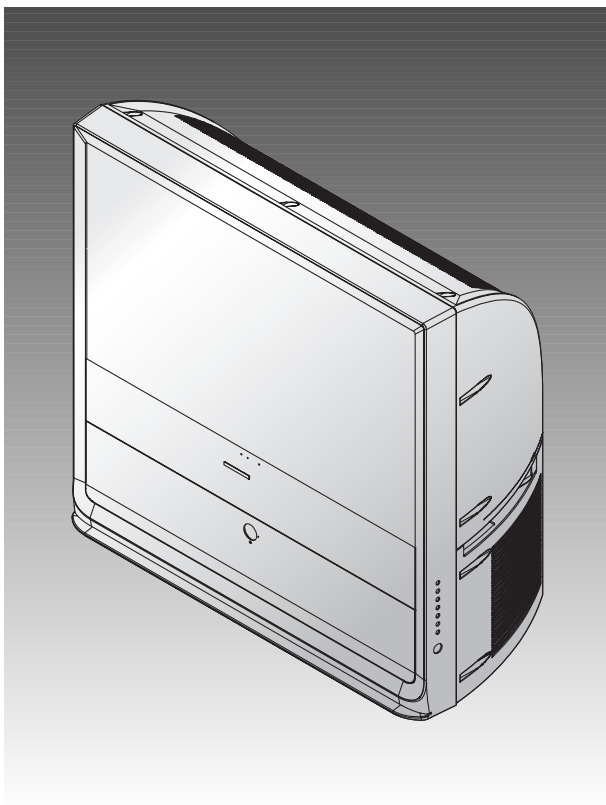
Model : HCP4241WX/XAA (HC-P4241W)

TRAINING *Manual*

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PROJECTION TV RECEIVER

CONTENTS



1. Feature and Advantages
2. Precautions
3. Specifications
4. Alignment and Adjustments
5. Diagnostics
6. Exploded View and Parts List
7. Electric Parts List
8. PCB Diagrams
9. Schematic Diagrams

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2. Precautions

Follow these safety, servicing and ESD precautions to prevent damage and protect against potential hazards such as electrical shock and X-rays.

2-1 Safety Precautions

1. Be sure that all of the built-in protective devices are replaced. Restore any missing protective shields.
2. When reinstalling the chassis and its assemblies, be sure to restore all protective devices, including: nonmetallic control knobs and compartment covers.
3. Make sure that there are no cabinet openings through which people—particularly children—might insert fingers and contact dangerous voltages. Such openings include the spacing between the picture tube and the cabinet mask, excessively wide cabinet ventilation slots, and improperly fitted back covers.

If the measured resistance is less than 1.0 megohm or greater than 5.2 megohms, an abnormality exists that must be corrected before the unit is returned to the customer.

4. Leakage Current Hot Check (Figure 1-1):
Warning: Do not use an isolation transformer during this test. Use a leakage-current tester or a metering system that complies with American National Standards Institute (ANIS C101.1, Leakage Current for Appliances), and Underwriters Laboratories (UL Publication UL1410, 59.7).
5. With the unit completely reassembled, plug the AC line cord directly into the power outlet. With the unit's AC switch first in the ON position and then OFF, measure the current between a known earth ground (metal water pipe, conduit, etc.) and all exposed metal parts, including: antennas, handle brackets, metal cabinets, screwheads and control shafts. The current measured should not exceed 0.5 milliamp. Reverse the power-plug prongs in the AC outlet and repeat the test.

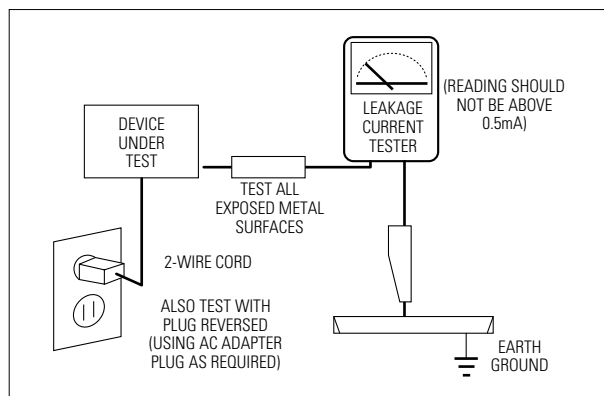


Fig. 1-1 AC Leakage Test

6. Antenna Cold Check:
With the unit's AC plug disconnected from the AC source, connect an electrical jumper across the two AC prongs. Connect one lead of the ohmmeter to an AC prong. Connect the other lead to the coaxial connector.
7. X-ray Limits:
The picture tube is especially designed to prohibit X-ray emissions. To ensure continued X-ray protection, replace the picture tube only with one that is the same type as the original. Carefully reinstall the picture tube shields and mounting hardware; these also provide X-ray protection.
8. High Voltage Limits:
High voltage must be measured each time servicing is done on the B+, horizontal deflection or high voltage circuits. Correct operation of the X-ray protection circuits must be reconfirmed whenever they are serviced.
(X-ray protection circuits also may be called "horizontal disable" or "hold-down".)

Heed the high voltage limits. These include the X-ray Protection Specifications Label, and the Product Safety and X-ray Warning Note on the service data schematic.

2-1 Safety Precautions (Continued)

9. High voltage is maintained within specified limits by close-tolerance, safety-related components and adjustments. If the high voltage exceeds the specified limits, check each of the special components.
10. Design Alteration Warning:
Never alter or add to the mechanical or electrical design of this unit. Example: Do not add auxiliary audio or video connectors. Such alterations might create a safety hazard. Also, any design changes or additions will void the manufacturer's warranty.
11. Hot Chassis Warning:
Some TV receiver chassis are electrically connected directly to one conductor of the AC power cord. If an isolation transformer is not used, these units may be safely serviced only if the AC power plug is inserted so that the chassis is connected to the ground side of the AC source.

To confirm that the AC power plug is inserted correctly, do the following: Using an AC voltmeter, measure the voltage between the chassis and a known earth ground. If the reading is greater than 1.0V, remove the AC power plug, reverse its polarity and reinsert. Re-measure the voltage between the chassis and ground.
12. Some TV chassis are designed to operate with 85 volts AC between chassis and ground, regardless of the AC plug polarity. These units can be safely serviced only if an isolation transformer inserted between the receiver and the power source.
13. Some TV chassis have a secondary ground system in addition to the main chassis ground. This secondary ground system is not isolated from the AC power line. The two ground systems are electrically separated by insulating material that must not be defeated or altered.
14. Components, parts and wiring that appear to have overheated or that are otherwise damaged should be replaced with parts that meet the original specifications. Always determine the cause of damage or overheating, and correct any potential hazards.
15. Observe the original lead dress, especially near the following areas: Antenna wiring, sharp edges, and especially the AC and high voltage power supplies. Always inspect for pinched, out-of-place, or frayed wiring. Do not change the spacing between components and the printed circuit board. Check the AC power cord for damage. Make sure that leads and components do not touch thermally hot parts.
16. Picture Tube Implosion Warning:
The picture tube in this receiver employs "integral implosion" protection. To ensure continued implosion protection, make sure that the replacement picture tube is the same as the original.
17. Do not remove, install or handle the picture tube without first putting on shatterproof goggles equipped with side shields. Never handle the picture tube by its neck. Some "in-line" picture tubes are equipped with a permanently attached deflection yoke; do not try to remove such "permanently attached" yokes from the picture tube.
18. Product Safety Notice:
Some electrical and mechanical parts have special safety-related characteristics which might not be obvious from visual inspection. These safety features and the protection they give might be lost if the replacement component differs from the original—even if the replacement is rated for higher voltage, wattage, etc.

Components that are critical for safety are indicated in the circuit diagram by shading, () or ().
Use replacement components that have the same ratings, especially for flame resistance and dielectric strength specifications. A replacement part that does not have the same safety characteristics as the original might create shock, fire or other hazards.

2-2 Servicing Precautions

Warning 1 : First read the “Safety Precautions” section of this manual. If some unforeseen circumstance creates a conflict between the servicing and safety precautions, always follow the safety precautions.

Warning 2 : An electrolytic capacitor installed with the wrong polarity might explode.

1. Servicing precautions are printed on the cabinet. Follow them.
2. Always unplug the unit's AC power cord from the AC power source before attempting to: (a) Remove or reinstall any component or assembly, (b) Disconnect an electrical plug or connector, (c) Connect a test component in parallel with an electrolytic capacitor.
3. Some components are raised above the printed circuit board for safety. An insulation tube or tape is sometimes used. The internal wiring is sometimes clamped to prevent contact with thermally hot components. Reinstall all such elements to their original position.
4. After servicing, always check that the screws, components and wiring have been correctly reinstalled. Make sure that the portion around the serviced part has not been damaged.
5. Check the insulation between the blades of the AC plug and accessible conductive parts (examples: metal panels, input terminals and earphone jacks).
6. Insulation Checking Procedure: Disconnect the power cord from the AC source and turn the power switch ON. Connect an insulation resistance meter (500V) to the blades of the AC plug.

The insulation resistance between each blade of the AC plug and accessible conductive parts (see above) should be greater than 1 megohm.
7. Never defeat any of the B+ voltage interlocks. Do not apply AC power to the unit (or any of its assemblies) unless all solid-state heat sinks are correctly installed.
8. Always connect a test instrument's ground lead to the instrument chassis ground before connecting the positive lead; always remove the instrument's ground lead last.
9. When some parts inside the optical engine (except lamp) are damaged, replace the whole optical engine.

2-3 Precautions for Electrostatically Sensitive Devices (ESDs)

1. Some semiconductor (“solid state”) devices are easily damaged by static electricity. Such components are called Electrostatically Sensitive Devices (ESDs); examples include integrated circuits and some field-effect transistors. The following techniques will reduce the occurrence of component damage caused by static electricity.
2. Immediately before handling any semiconductor components or assemblies, drain the electrostatic charge from your body by touching a known earth ground. Alternatively, wear a discharging wrist-strap device. (Be sure to remove it prior to applying power—this is an electric shock precaution.)
3. After removing an ESD-equipped assembly, place it on a conductive surface such as aluminum foil to prevent accumulation of electrostatic charge.
4. Do not use freon-propelled chemicals. These can generate electrical charges that damage ESDs.
5. Use only a grounded-tip soldering iron when soldering or unsoldering ESDs.
6. Use only an anti-static solder removal device. Many solder removal devices are not rated as “anti-static”; these can accumulate sufficient electrical charge to damage ESDs.
7. Do not remove a replacement ESD from its protective package until you are ready to install it. Most replacement ESDs are packaged with leads that are electrically shorted together by conductive foam, aluminum foil or other conductive materials.
8. Immediately before removing the protective material from the leads of a replacement ESD, touch the protective material to the chassis or circuit assembly into which the device will be installed.
9. Minimize body motions when handling unpackaged replacement ESDs. Motions such as brushing clothes together, or lifting a foot from a carpeted floor can generate enough static electricity to damage an ESD.

CAUTION

These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.

3. Specifications

Broadcasting System	NTSC
Scanning System	Progressive Scanning
Tuning Range	VHF : CH2 ~ CH13
Antenna Impedance	75 ohm Unbalanced
Intermediate Frequency	Video : 45.75 MHz Sound : 42.25 MHz Chrominance Subcarrier : 42.17 MHz
Sound Output	STD : 10W MAX : 15W
Rated Voltage	120V / 60 Hz
W/B Coordinates	Hx : 310 Hy : 325 Y : 11 Lx : 300 Ly : 295 Y : 0.3
High Voltage	29KV
FUSE	250V/6.3A CODE NO : 3601-000300
Power Consumption	240W
Dimension	1004 X 471 X 967mm 39.5 X 18.5 X 38.0 inches
Weight	40.4Kg 89lbs

MEMO

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4. Alignment and Adjustments

4-1 Service Mode

4-1-1 How to Enter and Exit Service Mode

1. Turn the Power ON and select "STANDARD" for the Screen Adjustment Mode.
2. Turn the Power OFF and put the set in Stand-By Mode.
3. Press these buttons sequentially to enter Service Mode : Mute_1_8_2 and Power.
♣ If you fail to enter Service Mode, try steps 1, 2 and 3 again.
4. After completing the adjustment, select Reset from Service Mode's initial screen to exit Service Mode and turn OFF the Power. After exiting, the user's custom starting screen will be selected.
5. Any adjustable data changed will be automatically saved.
→ There is no separate "Save" key.

4-1-2 Initial Display in Service Mode

1. When RF Patterns are Displayed

Deflection
480p offset
1080i offset
Convergence & NR
Video Adjust 1
Video Adjust 2
Video Adjust 3
Video Adjust 4
Video Adjust DNle
Option
CHECKSUM0000
Reset

4-1-3 Button Descriptions for Service Mode

MENU	Full Menu Display / Move to Parent Menu
Direction Keys ▲/▼	Item Selection by Moving the Cursor
Direction Keys ◀/ ▶	Data Increase/Decrease for the Selected Item

4-1-4 Cautions Regarding service Mode

1. Do not adjust the fixed attributes, only the adjustables.
2. For adjustments of RF and 1080i Modes, switch to the respective input source and proceed with the adjustments.

4-2 Factory Data

4-2-1 Deflection (RF)

* Do not change any fixed attributes

No	ITEM	Initial Value	Range	EEP-ROM Copy Data	Remarks
				RF-Mode	
1	V Amp	31	0 ~ 63	28	Adjustable
2	V Shift	32	0 ~ 63	33	*Fixed
3	H EW	31	0 ~ 63	31	Adjustable
4	H Shift	32	0 ~ 63	24	*Fixed
5	V Llinearity	6	0 ~ 63	0	*Fixed
6	Upper Llinearity	7	0 ~ 63	0	*Fixed
7	Lower Llinearity	8	0 ~ 63	7	*Fixed
8	V SC	3	0 ~ 63	10	*Fixed
9	H Parabola	10	0 ~ 63	10	*Fixed
10	Upper Corner	32	0 ~ 63	38	*Fixed
11	Lower Corner	32	0 ~ 63	31	*Fixed
12	H Trapezium	32	0 ~ 63	31	*Fixed
13	Bow	32	0 ~ 63	31	*Fixed
14	Angle	32	0 ~ 63	31	*Fixed
15	V Position	32	0 ~ 63	28	*Fixed
16	CXA Left Blk	45	0 ~ 63	45	*Fixed
17	CXA Right Blk	25	0 ~ 63	25	*Fixed

4-2-2 480p Offset

* Do not change any fixed attributes

No	ITEM	Initial Value	Range	480p-Mode	Remarks
1	V Amp	0	-63 ~ 63	0	Adjustable
2	V Shift	0	-63 ~ 63	0	Adjustable
3	H EW	0	-63 ~ 63	0	Adjustable
4	H Shift	0	-63 ~ 63	0	Adjustable
5	V Llinearity	0	-15 ~ 15	0	*Fixed
6	Upper Llinearity	0	-15 ~ 15	0	*Fixed
7	Lower Llinearity	0	-15 ~ 15	0	*Fixed
8	V SC	0	-15 ~ 15	0	*Fixed
9	H Parabola	0	-63 ~ 63	0	*Fixed
10	Upper Corner	0	-63 ~ 63	0	*Fixed
11	Lower Corner	0	-63 ~ 63	0	*Fixed
12	H Trapezium	0	-63 ~ 63	0	*Fixed
13	Bow	0	-63 ~ 63	0	*Fixed
14	Angle	0	-63 ~ 63	0	*Fixed
15	V Position	0	-63 ~ 63	0	*Fixed
16	CXA Left Blk	45	-63 ~ 63	45	*Fixed
17	CXA Right Blk	25	-63 ~ 63	25	*Fixed

4-2-3 1080i Offset

* Do not change any fixed attributes

No	ITEM	Initial Value	Range	1080i-Mode	Remarks
1	V Amp	0	-63 ~ 63	0	Adjustable
2	V Shift	0	-63 ~ 63	0	Adjustable
3	H EW	0	-63 ~ 63	0	Adjustable
4	H Shift	0	-63 ~ 63	0	Adjustable
5	V Llinearity	0	-15 ~ 15	0	*Fixed
6	Upper Llinearity	0	-15 ~ 15	0	*Fixed
7	Lower Llinearity	0	-15 ~ 15	0	*Fixed
8	V SC	0	-15 ~ 15	0	*Fixed
9	H Parabola	0	-63 ~ 63	0	*Fixed
10	Upper Corner	0	-63 ~ 63	0	*Fixed
11	Lower Corner	0	-63 ~ 63	0	*Fixed
12	H Trapezium	0	-63 ~ 63	0	*Fixed
13	Bow	0	-63 ~ 63	0	*Fixed
14	Angle	0	-63 ~ 63	0	*Fixed
15	V Position	0	-63 ~ 63	-1	*Fixed
16	CXA Left Blk	50	-63 ~ 63	50	*Fixed
17	CXA Right Blk	25	-63 ~ 63	25	*Fixed

4-2-4 Convergence & NR

* Do not change any fixed attributes

No	ITEM	Initial Value	Range	RF	Remarks
1	Offset Enable	0	0 ~ 1	0	*Fixed
2	V AMp	15	-63 ~ 63	5	*Fixed
3	V Shift	0	-63 ~ 63	0	*Fixed
4	H EW	15	-63 ~ 63	0	*Fixed
5	V Amp 1080i	15	-63 ~ 63	5	*Fixed
6	V Shift 1080i	0	-63 ~ 63	0	*Fixed
7	H EW 1080i	15	-63 ~ 63	5	*Fixed
8	NR High Ref	40	0 ~ 127	40	*Fixed
9	NR Low Ref	3	0 ~ 127	3	*Fixed
10	NR Hight Value	17	-128 ~ 127	17	*Fixed
11	NR Low Value	51	-128 ~ 127	51	*Fixed
12	NR Hight Ref (s)	20	0 ~ 127	17	*Fixed
13	NR Low Ref (s)	0	0 ~ 127	0	*Fixed
14	NR Hight Value (s)	17	-128 ~ 127	17	*Fixed
15	NR Low Value (s)	50	-128 ~ 127	50	*Fixed
16	NR Read M/S				Read Price

4-2-5 Video Adjust 1

* Do not change any fixed attributes

No	Video Adjust 1 (RF/1080i is Separated)	Initial Value	Range	ALL-Mode (Except 1080i)	1080i	Remarks
1	R Cutoff	25	0 ~ 63	25	25	Adjustable
2	G Cutoff	25	0 ~ 63	25	25	*Fixed
3	B Cutoff	25	0 ~ 63	25	25	Adjustable
4	COLOR On/Off	1	0 ~ 1	1	1	*Fixed
5	CR Offset	32	0 ~ 63	32	32	Adjustable
6	CB Offset	32	0 ~ 63	32	32	Adjustable
7	R Drive	25	0 ~ 63	35	35	Adjustable
8	G Drive	25	0 ~ 63	35	35	*Fixed
9	B Drive	25	0 ~ 63	35	35	Adjustable
10	Sub Bright	15	0 ~ 63	15	15	Adjustable
11	Sub Contrast	7	0 ~ 15	7	7	Adjustable
12	Sub Color	21	0 ~ 23	23	16	*Fixed
13	Sub Tint	8	0 ~ 13	8	8	*Fixed
14	CTI Level	1	0 ~ 3	1	1	*Fixed
15	COL AXIS	3	0 ~ 3	1	1	*Fixed
16	LTI Level	1	0 ~ 3	1	2	*Fixed
17	9405 U-OUT	207	0 ~ 255	207	207	*Fixed
18	9405 Y-OUT	111	0 ~ 255	111	111	*Fixed
19	9405 V-OUT	211	0 ~ 255	211	211	*Fixed

4-2-6 Video Adjust 2

* Do not change any fixed attributes

No	Video Adjust 2 (RF/1080i is Separated)	Initial Value	Range	ALL-mode (Except 1080i)	1080i	Remarks
1	ABL mode	3	0 ~ 3	3	3	*Fixed
2	Gamma	2	0 ~ 3	1	1	*Fixed
3	DPIC Level (DNP)	3	0 ~ 3	3	2	*Fixed
4	DC Tran	2	0 ~ 3	3	2	*Fixed
5	ABL TH	15	0 ~ 15	15 (ALL-mode)	15	*Fixed
6	VM Level	2	0 ~ 3	3 (ALL-mode)	3	*Fixed
7	VM Coring	0	0 ~ 3	0	0	*Fixed
8	VM fo	0	0 ~ 3	0	1	*Fixed
9	VM Limit	0	0 ~ 3	0	0	*Fixed
10	VM Delay	0	0 ~ 3	3 (Except 480p)	1 (480p)	*Fixed
11	SHP CD	1	0 ~ 3	1 (ALL-mode)	1	*Fixed
12	SHP fo	0	0 ~ 1	0	1	*Fixed
13	SHP f1 & P/O	11	0 ~ 15	13 (ALL-mode)	13	*Fixed
14	AKB Time	13	0 ~ 31	16	16	*Fixed
15	YC Delay	30	0 ~ 31	31	31	*Fixed
16	PIP YC Delay	30	0 ~ 31	30	30	*Fixed
17	BandPass 9407	2	0 ~ 7	1	1	*Fixed
18	HighPass 9407	3	0 ~ 7	2	2	*Fixed

4-2-7 Video Adjust 3

* Do not change any fixed attributes

No	Video Adjust 3 (All Mode Equality)	Initial Value	Range	ALL-mode	Remarks
1	Pilot Low	10	16 ~ 127	10	*Fixed
2	Pilot High	16	16 ~ 127	16	*Fixed
3	H Comp	0	0 ~ 15	1	*Fixed
4	V Comp	0	0 ~ 15	8	*Fixed
5	Pin Comp	0	0 ~ 7	0	*Fixed
6	AFC Comp	0	0 ~ 7	1	*Fixed
7	Sync Phase	0	0 ~ 1	0	*Fixed
8	NR Off Value	5	0 ~ 9	0	*Fixed
9	VSV	2	0 ~ 15	2	*Fixed
10	Melody Volume	4	0 ~ 20	4	*Fixed
11	Video Mute Time	500ms	0 ~ 1sec	500ms	*Fixed
12	S-ABL	0	0 ~ 3	0	*Fixed
13	P_ABL	0	0 ~ 2	0	*Fixed
14	PLIMT_LEV	0	0 ~ 2	0	*Fixed
15	AKB	0	0 ~ 1	0	*Fixed
16	CLP Gate	1	0 ~ 1	1	*Fixed
17	Color Kil	198	0 ~ 255	198	*Fixed
18	Real Time(Hour)	72	0 ~ 255	72	*Fixed

4-2-8 Video Adjust 4

* Do not change any fixed attributes

No	Video Adjust 4 (Only Indicated Modes)	Initial Value	Range	Only Indicated Mode	Remarks 1	Remarks 2
1	System RF	1	0 ~ 3	1	RF	*Fixed
2	System_VSD_480p	1	0 ~ 3	1	VSD=AV/SV/DVD	*Fixed
3	System_1080i	1	0 ~ 3	1	1080i	*Fixed
4	Shp_Fo_VSD_480p	1	0 ~ 3	1	480p	*Fixed
5	HPF_VSD	5	0 ~ 1	3	VSD=AV/SV/DVD	*Fixed
6	BPF_VSD	1	0 ~ 7	1	VSD=AV/SV/DVD	*Fixed
7	Chrm_bdwth_RF	28	0 ~ 7	28	RF	*Fixed
8	Chrm_bdwth_Video	28	0 ~ 63	28	Video	*Fixed
9	Chrm_bdwth_Svideo	30	0 ~ 63	30	S-Video	*Fixed
10	Chrm_bdwth_DVD	28	0 ~ 63	28	DVD	*Fixed
11	IF_Comp_RF	2	0 ~ 63	2	RF	*Fixed
12	IF_Comp_Video	4	0 ~ 7	4	Video	*Fixed
13	IF_Comp_Svideo	5	0 ~ 7	5	S-Video	*Fixed
14	IF_Comp_DVD	4	0 ~ 7	4	DVD	*Fixed
15	VM_Delay_480p	1	0 ~ 3	1	480p	*Fixed
16	1E Data1 9405	15	0 ~ 15	15	All-Mode	*Fixed
17	1E Data2 9405	15	0 ~ 15	15	All-Mode	*Fixed
18	1E Data3 9405	14	0 ~ 15	14	All-Mode	*Fixed

4-2-9 Video Adjust DNle

* Do not change any fixed attributes

No	ITEM	Initial Value	Range	RF	AV/SV/480i/480p	1080i	Remarks
1	9883 Cr Offset	0	0 ~ 127	0	0	0	*Fixed
2	9883 Y Offset	0	0 ~ 127	0	0	0	*Fixed
3	9883 Cb Offset	0	0 ~ 127	0	0	0	*Fixed
4	NR Scale Max	0	0 ~ 255	0	0	0	*Fixed
5	NR Scale Min	0	0 ~ 255	0	0	0	*Fixed
6	NR Sel	0	0 ~ 3	0	0	0	*Fixed
7	CE Cutoff	0	0 ~ 255	0	0	0	*Fixed
8	CE Upper	0	0 ~ 255	0	0	0	*Fixed
9	CE Gain	0	0 ~ 255	0	0	0	*Fixed
10	CE HPF Gain	0	0 ~ 255	0	0	0	*Fixed
11	DCE Gain	0	0 ~ 255	0	0	0	*Fixed
12	CTI Gain	0	0 ~ 15	0	0	0	*Fixed
13	DEPTH Cor	0	0 ~ 63	0	0	0	*Fixed
14	DEP OV Gain H	0	0 ~ 255	0	0	0	*Fixed
15	DEP R INT	0	0 ~ 127	0	0	0	*Fixed
16	CTE Gain	0	0 ~ 255	0	0	0	*Fixed

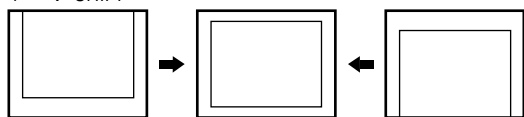
4-2-10 Option

MICOM NAME : T_OMGNUS_xxxx OPTION-BYTE

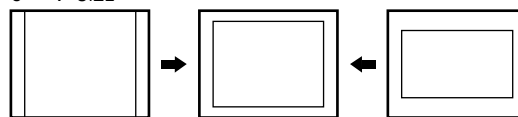
No	Option (61h 50h)	Initial Value	Range	North America 42", 47" 52"	Mexico / South Central America 42", 47" 52"
1	CRT	4 : 3	Wide ↔ 4 : 3	Wide	Wide
2	PIP	On	On ↔ Off	Off	Off
3	3D-COMB Filter	Off	On ↔ Off	Off	Off
4	Blue Screen	On	On ↔ Off	On	On
5	BBE Effect	On	On ↔ Off	On	On
6	Auto Power On	On	On ↔ Off	On	On
7	System	CT	CT(EN+SP+FR) CT-A(EN+SP+FR)	CT(EN+SP+FR)	CT(EN+SP+FR)
8	Virtual Dolby	Off	On ↔ Off	Off	Off
9	ACS	On	On ↔ Off	On	Off
10	V Chip (CT, CTA)	On	On ↔ Off	On	Off
11	V Chip Area	USA	USA	USA	USA
12	Sub Woofer	Off	On ↔ Off	Off	Off
13	No Sync Mute	On	On ↔ Off	On	On
14	AGC	Off	On ↔ Off	Off	Off
15	Turbo Effect	Off	On ↔ Off	Off	Off
16	Burst Screen	Off	On ↔ Off	Off	Off
17	LNA	Off	On ↔ Off	On	On

4-3 Screen Change (When adjusting I²C Bus Geometric items)

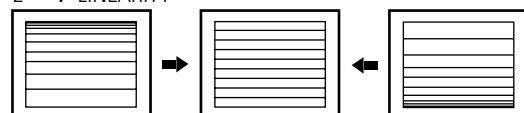
1 V SHIFT



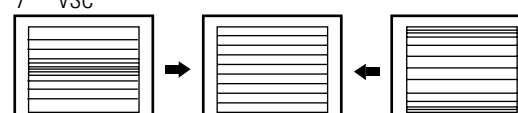
6 V SIZE



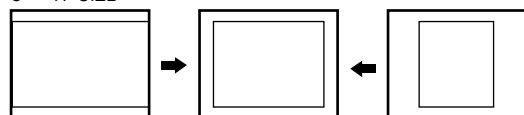
2 V LINEARITY



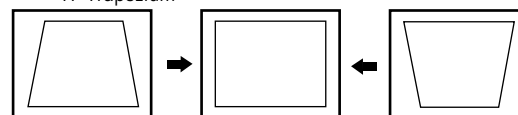
7 VSC



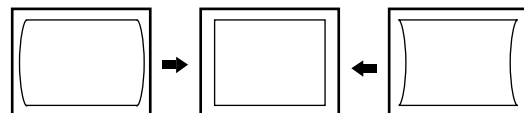
3 H SIZE



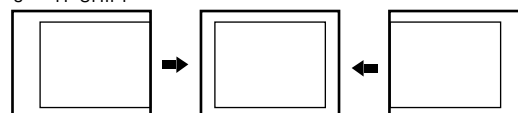
8 H Trapezium



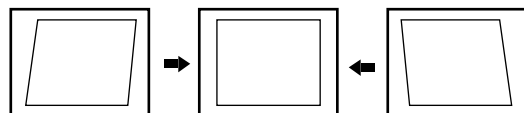
4 H Parabola



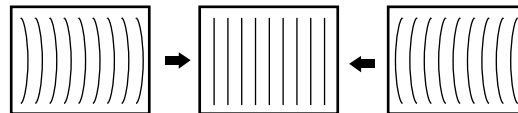
9 H SHIFT



5 ANGLE



10 BOW



4-4 Other Adjustments

4-4-1 Screen Adjustment

1. Warm up the TV for at least 30 minutes.
2. Select the "STANDARD" Video mode.
3. Turn to the Video Mode (No Signal) using a remote-control.
4. Connect an oscilloscope to RK,GK,BK.
5. Adjust the VR Screen (in the Focus Pack) to have 20VP-P for the RK, GK and BK pulse. (Turn the R,G and B VR screen fully counterclockwise at each flyback line.)

* Voltage adjustment cannot be done using a normal multi-tester.
For adjustment, use an oscilloscope.
The voltage shown by the tester is false data because the AC peak to peak voltage is adjusted under DC conditions.

4-4-2 White Balance Adjustment

1. Select the "STANDARD" video mode.
2. Input 100% white pattern.
3. In the stand-by mode, press the remote-control keys in the following sequence:



4. Warm up the TV for at least 30 minutes.
5. Input a 10-step signal.
6. R-cut off, B-cut off, and G-cut off by pressing the  keys.
7. Adjust the low light with viewing the dark side of the screen.
8. Select R-drive, G-drive, and B-drive by pressing the  keys.
9. Adjust the high light with viewing the light side of the screen.
10. If necessary, redo screen adjustments and 6~9.
11. Press the Add key to exit.

4-4-3 Sub-Brightness Adjustment

1. Input a sub-brightness adjustment signal. (TOSHIBA PATTERN)
2. In the stand-by mode, press the remote-control keys in the following sequence :



3. Select SBT by pressing the  keys.
4. Adjust so that the 63 step on the right side of the screen is not seen (Use the  keys).
5. Press the Menu key to exit.

4-4-4 Static Focus Adjustment

PRECAUTION

1. Select the "STANDARD" video mode.
2. Input a crosshatch pattern.
3. Cover the lenses that are not being adjusted.
4. Adjust the lens for best focus.
(See Fig. 2-1)

STATIC FOCUS (CONTINUED)

Vary the focus pack VR (Red, Blue) on the front cabinet. Adjust the TV for best possible focus around the center of the crosshatch pattern, without losing overall screen balance. Figure Crosshatch Pattern
Examine these points together.

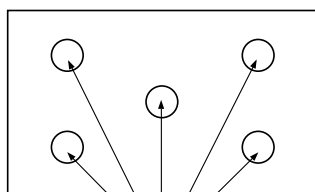


Fig. 2-1 Crosshatch Pattern.

- ③ Display only the Green pattern by using the +100, 0, and Previous Channel Keys in order to turn the R, G, and B patterns On / Off respectively.
- ④ Turn the Green Lens clockwise / Counterclockwise to adjust for optimum status.
(Repeat if unsuccessful, varying the VR of the front Focus Pack.)
- ⑤ Perform steps 1~3 for the R and B Lenses.

3. Note
Green determines picture quality; pay close attention for exact adjustment.

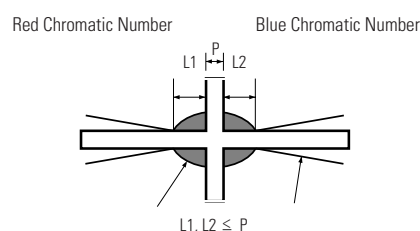


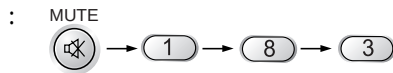
Fig. 2-2 Color Aberration

4-4-5 Lens Focus Adjustment

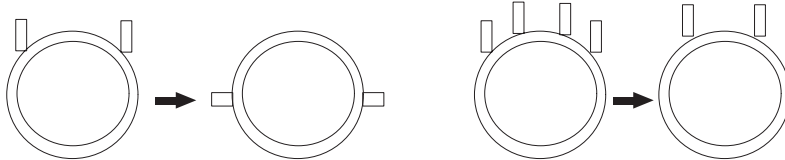
1. Preparation
 - ① Set the Screen to "STANDARD".
Contrast : 100
Brightness : 50
 - ② Set the pattern to Crosshatch.
 - ③ Adjust the electric focus before beginning.
 - ④ Adjust the DY tilt (TILT) before beginning.
2. How to Adjust (Green Lens Adjustment)
 - ① Loosen the lens screw for easier adjustment.
 - ② Press Mute, 1, 8 and 3, sequentially to enter Convergence Mode.

4-5 Beam alignment Adjustments

1. Select the "STANDARD" video mode.
2. Warm up the set at least for 10 minutes.
3. Enter the Convergence mode by pressing the remote control buttons in the following sequence



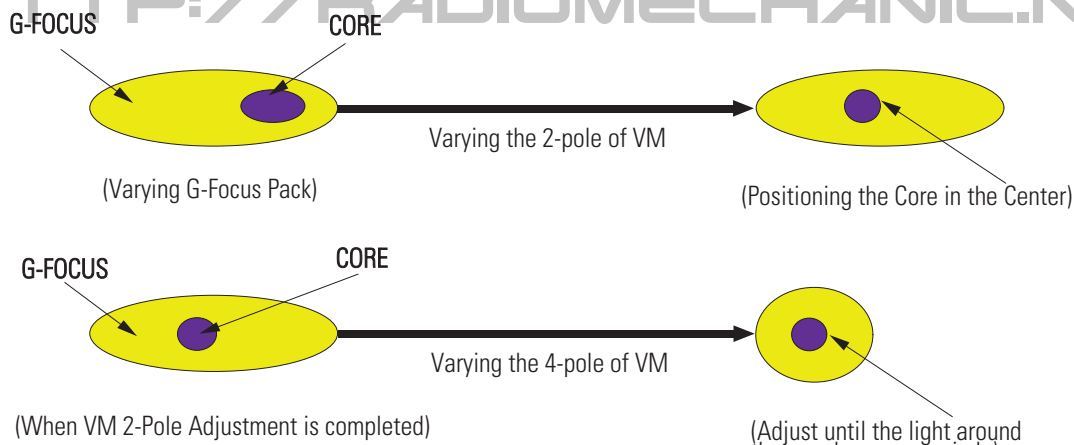
4. Set the Beam Alignment Adjustment CY to Zero magnetic field area.



(Creation of CPM Zero Magnet)

(Creation of the 2-pole/4-pole zero magnets)

5. Check the squarewave at the point where the focus is misaligned (Use an audio oscillator).
6. Press the button on the remote control, and a vibrating dot-pattern appears.
7. Adjust the Focus-pack VR for defocusing.
8. Mute the other patterns (R/B) other than G-PATTERN.
(Use / buttons on the remote control.)
9. Adjust the 2, 4 polarities of VM-COIL as shown in figure below.
10. Adjust the G-Focus until any light around the core disappears.

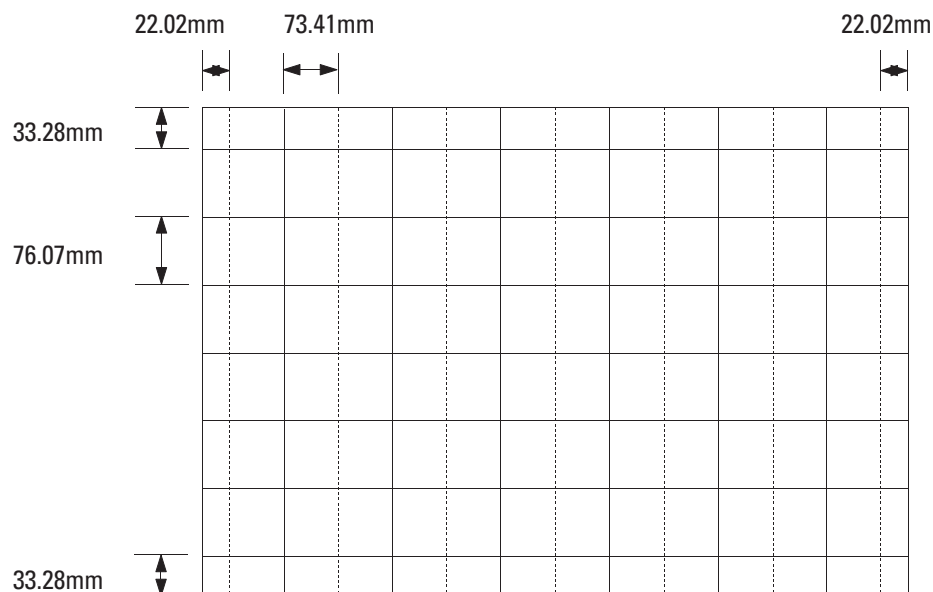


11. Adjust G-Focus so that the surrounding flash can disappear from the spot.
12. After G-Focus adjustments are complete, adjust R-Focus as above procedures.
13. The B-CRT adjustments can be omitted because the variance of beam focus is small.
(Only Vm-coil is mounted.)
14. Adjust the Focus-pack VR for fine focusing.
15. Press the button on the remote control, and the mode changes to the Convergence Adjustment mode.
16. Press the button on the remote control to return to normal viewing.

4-6 Convergence-Jig

4-6-1 4241W RF Mode

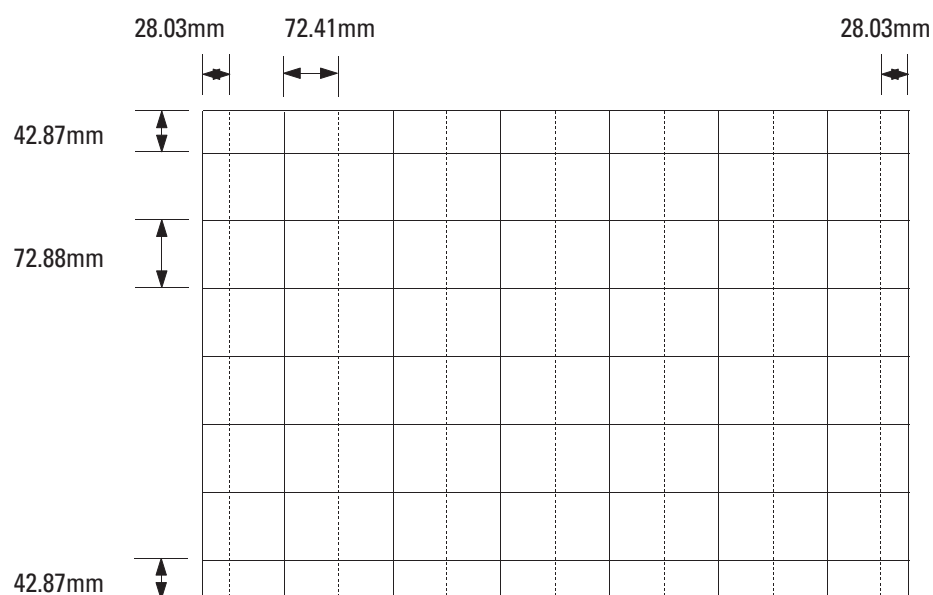
4241W Screen Size : X 925, Y 523 (X: $378 = 9 \times 2 + 30 \times 12$, Y: $440 = 28 \times 2 + 64 \times 6$)



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4-6-2 4241W DTV Mode

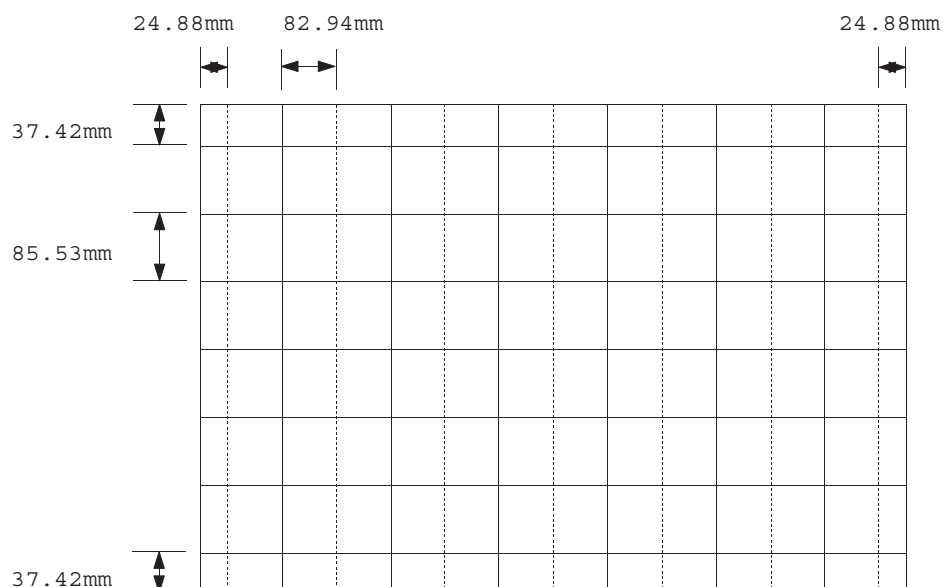
4241W Screen Size : X 925, Y 523 (X: $396 = 12 \times 2 + 31 \times 12$, Y: $488 = 40 \times 2 + 68 \times 6$)



♣ The DTV Mode Adjustment is available only when a Set-top Box is connected.

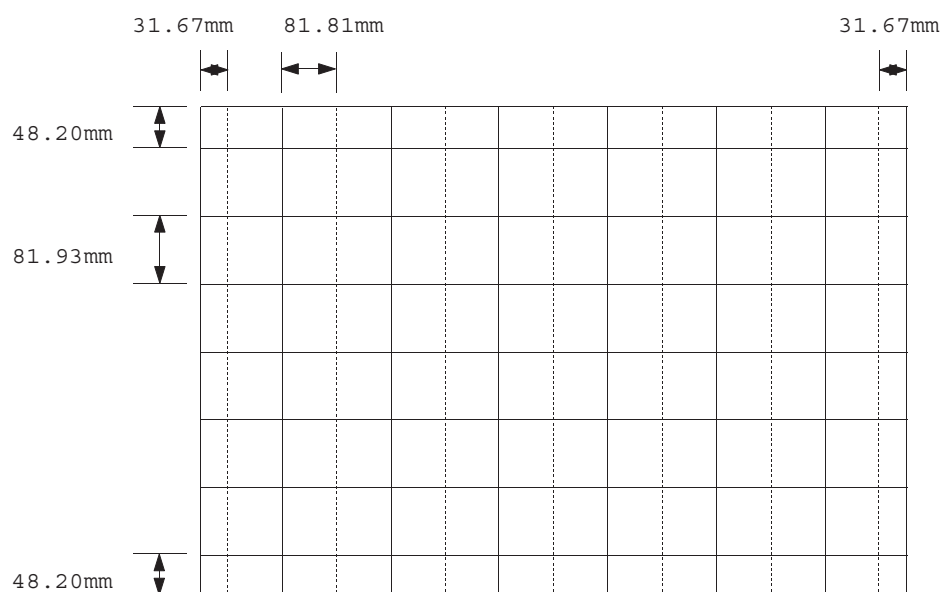
4-6-3 4741W RF Mode

4741W Screen Size : X 1045, Y 588 (X378=9*2+30*12, Y:440=28*2+64*6)



4-6-4 4741W DTV Mode

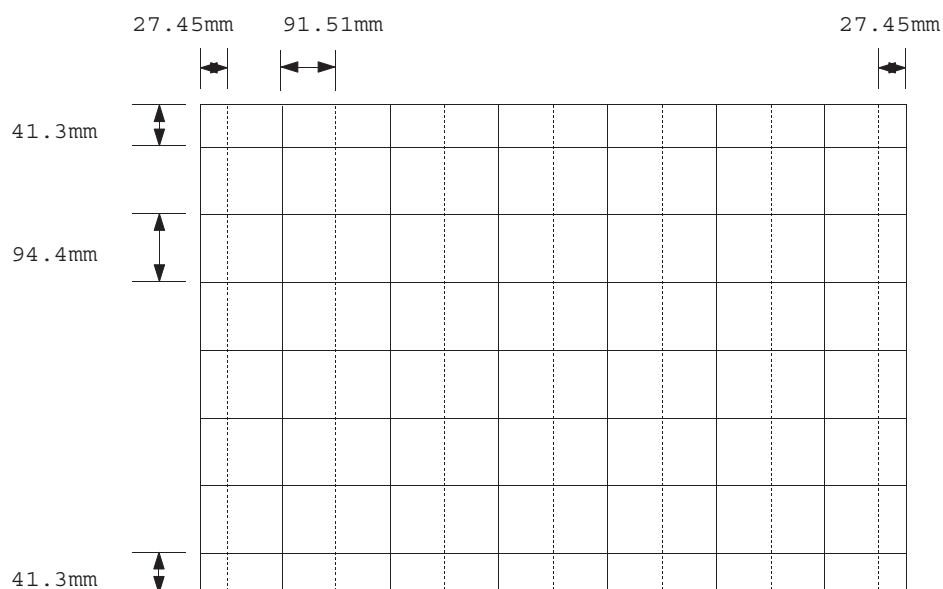
4741W DTV Mode : X 1045, Y 588 (X396=12*2+31*12, Y:488=40*2+68*6)



♣ The DTV Mode Adjustment is available only when a Set-top Box is connected.

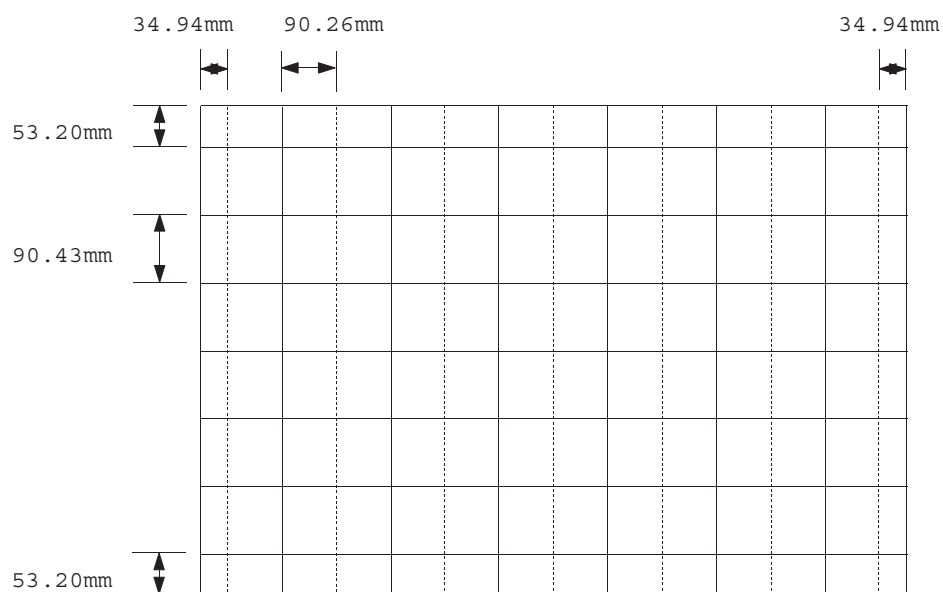
4-6-5 5241W RF Mode

5241W Screen Size : X 1153, Y 649 (X378=9*2+30*12, Y:440=28*2+64*6)



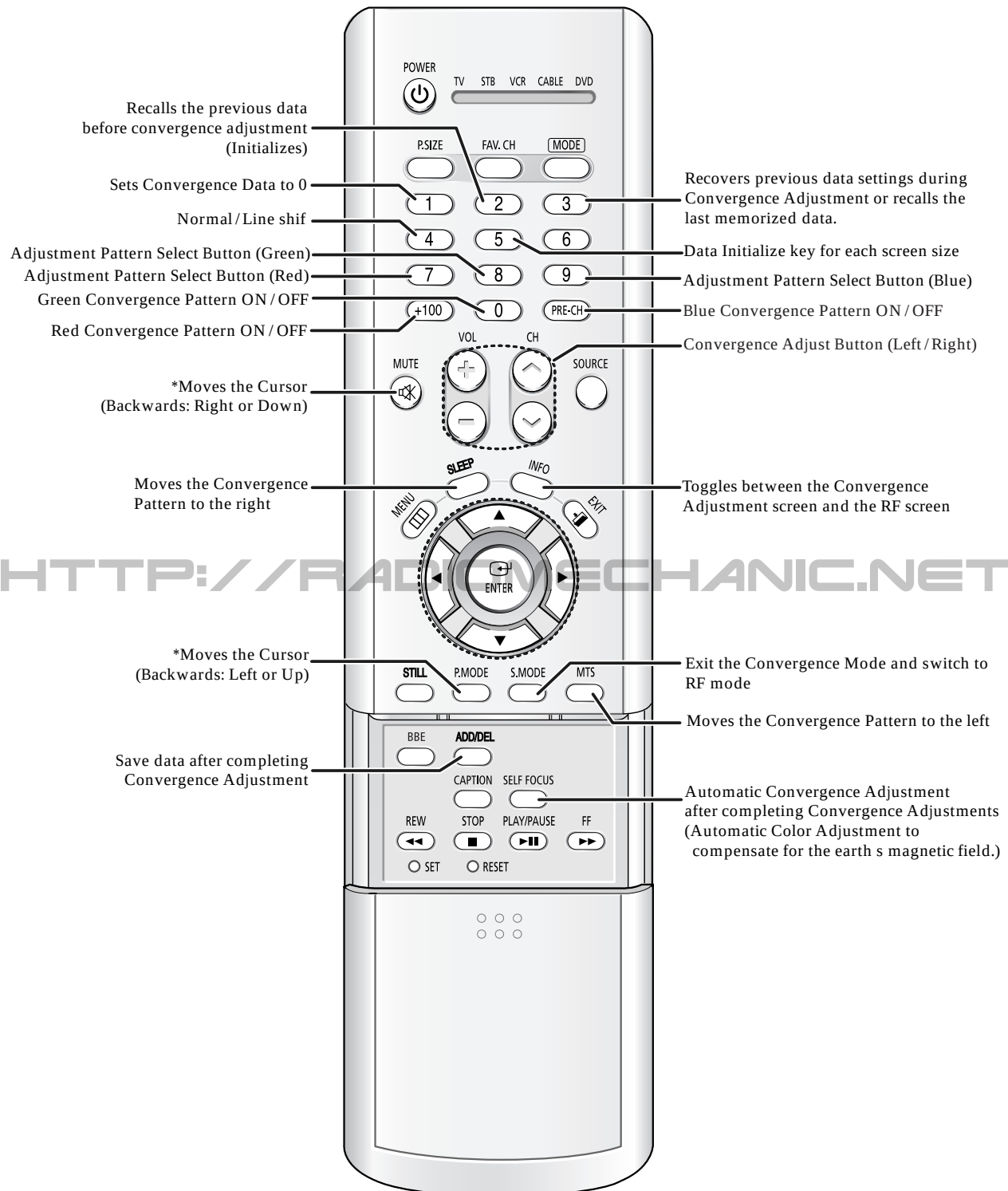
4-6-6 5241W DTV Mode

5241W DTV Mode : X 1153, Y 649 (X396=12*2+31*12, Y:488=40*2+68*6)



♣ The DTV Mode Adjustment is available only when a Set-top Box is connected.

4-7 P60A Remote Control Descriptions for Convergence Mode



4-7-1 KEY Function

1. R-SELECT KEY 
Press to select RED color.
2. G-SELECT KEY 
Press to select GREEN color.
3. B-SELECT KEY 
Press to select BLUE color.
4. R-MUTE 
Press to mute RED color.
5. G-MUTE 
Press to mute GREEN color.
6. B-MUTE 
Press to mute BLUE color.
7. CANCEL KEY 
Recalls the previous data during convergence Adjustment.
(Recalls the last memorized data)
8. TEST/NORMAL 
Used for switching back to the Normal screen after entering Convergence Mode while receiving a general input signal. Allows for comparison between the Adjustment screen and the Normal screen during adjustment.
♣ Each press of the key will switch between modes.
9. LINE SHIFT KEY 
(Repeat Fine Adjustment (no indication) → Line Adjustment → Enter Mode)
- This key selects between line or movement, whole pattern movement, or individual quadrant movement. : up / down / left / right, at the beginning of the Convergence Adjustment.
- Press the  key 2 more times for fine Adjustment.
10. FACTORY DATA SELECT KEY 
Press to call the factory default values.
11. H / V DIRECTION SELECT KEY 
Press to switch the cursor direction horizontally or vertically.
12. SAVE KEY 
After the Convergence Adjustments are completed, press to save data.
13. EXIT KEY 
After the Convergence adjustments are completed, press to exit to TV mode.

14. MOVE CURSOR FORWARD 

Press to move the cursor right or down.

15. MOVE CURSOR REVERSE 

Press to move the cursor left or up.

16. CONVERGENCE PICTURE MOVE BUTTON

Use the Channel button (▲, ▼) to adjust Convergence Data up / down and use the Volume buttons (+, -) for left / right adjustment



- 16-1. Remocon (TM63A) : Using the Joystick

Move the cursor up, down, left and right by using the Joystick, and adjust the Convergence Data by using the Channel ▲, ▼ and Volume +, - buttons.

17. CONVERGENCE ADJUSTMENT PATTERN MOVE KEY

Used for moving the Convergence Adjustment pattern in the left  or right  direction in order to fit the center of the screen.

(Before beginning Convergence Adjustment, precisely match the center of the TV screen with the center of the Convergence screen.)

18. CONVERGENCE DATA ZERO KEY 

Press to zero the convergence correction data.

19. FINE / COARSE KEY 

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♣ Changes when applying Almighty-Cg, Module (How to extract the basic Cg Data)

Inch (Type)	Model Name	Basic Data	Screen Display	Discription
	Representative Model	Number after entering the Cg-Mode		
42" (4241W) (42Q2HL)	4241WX 42Q2HLX	5-425 (Press in regular order)	++++	White Cross on the background (white cross)
47" (4741W) (47Q2HL)	4741WX 47Q2HLX	5-472	++++	White Cross on the background (white cross)
52" (5241W) (52Q2HL)	5241WX 52Q2HLX	5-522	++++	White Cross on the background (white cross)

4-7-2 Convergence Adjustment



<Cautions regarding Automatic Color Adjustment>

1. This model employs the Automatic Color Adjustment function to prevent distortion of the Convergence by the earth's magnetic field. For it to function properly, the Convergence should be precisely adjusted.
2. The Screen Jig should be used for precise adjustment, so it does not escape the sensor's detection area. Sensors are on the center of each of the 4 faces.
3. Adjustment should be precise, otherwise an Automatic Color Adjustment error occurs.

1. Aging the TV over 30 minutes is required.
2. Apply the NTSC input signal from the antenna or other external input source.



Before adjusting the Green, Red and Blue patterns, adjust the DY of the CRT to avoid having a tilted center line.

3. Press Mute, 1, 8, and 3 (on the remote control) sequentially to enter Convergence Mode. The Test Pattern is displayed.

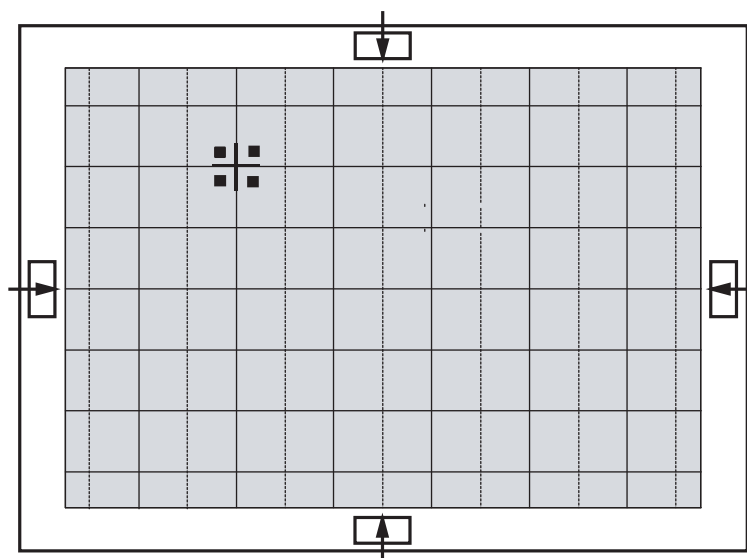
MUTE



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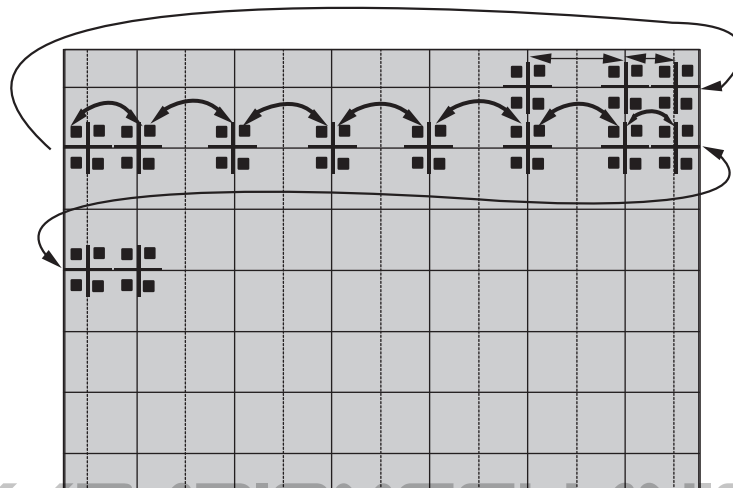
If an OSD (On-Screen Display) appears during the process, press the ^{S.MODE} key to exit Convergence mode and then re-enter Convergence mode.



4. Press R-MUTE (+100) and B-MUTE PRE-CH to mute out Red and Blue. Press G-SELECT 8 to adjust the Green Color Convergence first.
(For the first entrance, Green Color Convergence will automatically be selected.)



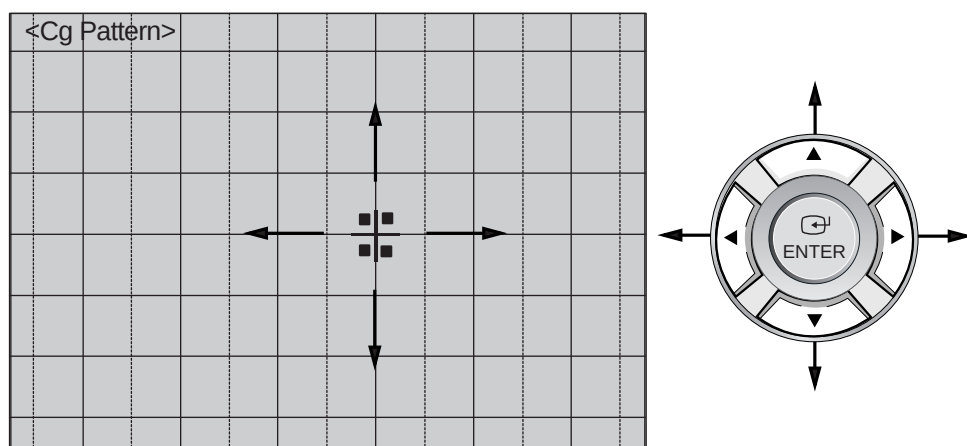
5. Press the MUTE key to move the cursor right, the P.MODE button to move the cursor left.



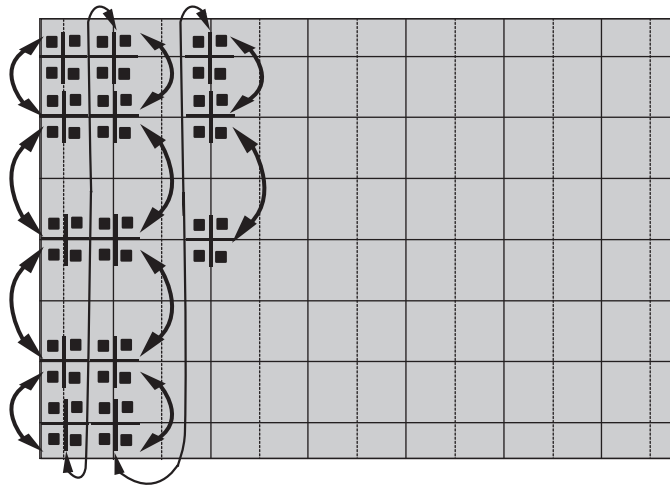
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6. Scene Adjustment

Use the left (◀)/right (▶)/up (▲)/down (▼) buttons to move the cursor, and use the channel ▲, ▼ button and the volume +, - buttons to adjust the convergence.



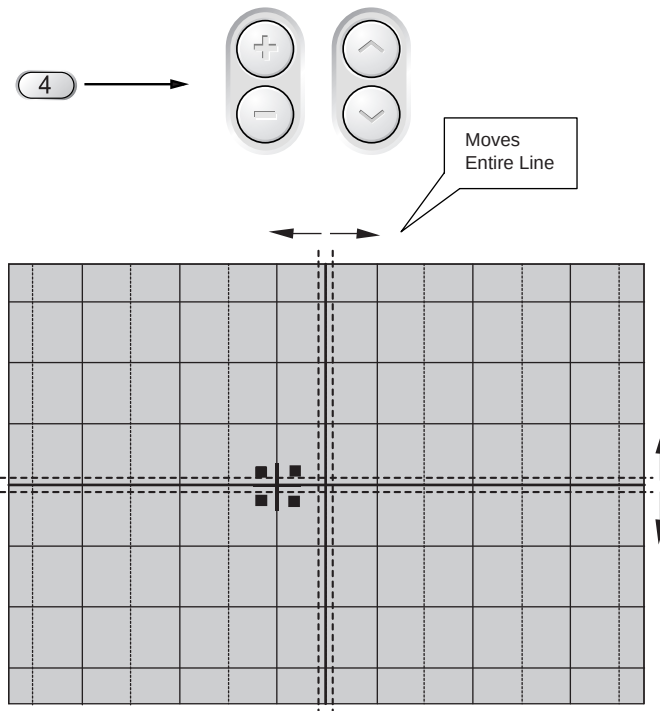
7. For vertical moves, select **SOURCE** and press **MUTE** to move down, and **P.MODE** to move up.



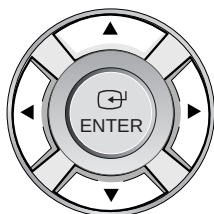
Pressing the **SOURCE** key again will switch to horizontal movement.

8. Use the Line Move Key **4** for global shaping in the beginning stages of Convergence Adjustment.

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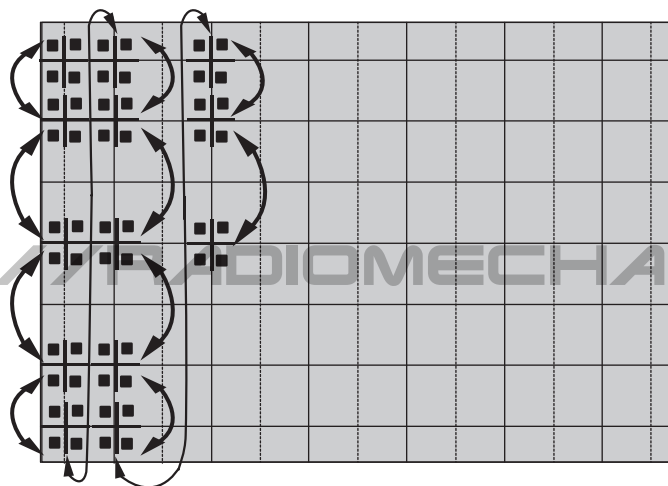


9. For general adjustment, press **4** to exit the line moving. Perform the general adjustment using



up (▲)/down (▼)/left (◀)/right (▶) button, channel ▲,▼ button, and the volume +, - buttons.

10. After completing Green Color Convergence, save the data by pressing the **ADD/DEL** key.
11. Adjust the Red Color based on the Green Color. Press the **7** button to release the Red Color from mute and select the Red Color by pressing the **+100** key.
12. Perform steps 5 ~ 10 to adjust the Red Color Convergence.

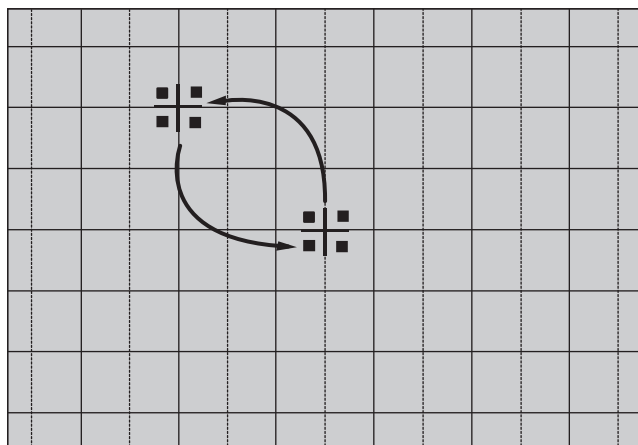


13. Adjust the Blue Color based on the Green Color. Press the **+100** button to mute the Red Color again. Release the Blue Color from mute by pressing **PRE-CH** and select the Blue Color by pressing the **9** key.
14. Adjust the Blue Color Convergence by performing steps 5 ~ 10 and 13.
15. After adjusting all the colors, fill the screen with R, G and B color to validate. Adjust again if required, by selecting the corresponding color key.

16. Save the data by using the  key after the Red and Blue Color Convergence adjustment has been completed.



The Cursor will move to the center and blink two times before it automatically moves back to its original position.



After completing and saving the R, G and B Convergence Adjustment, the data should be saved by pressing the  button before exiting Convergence Mode.

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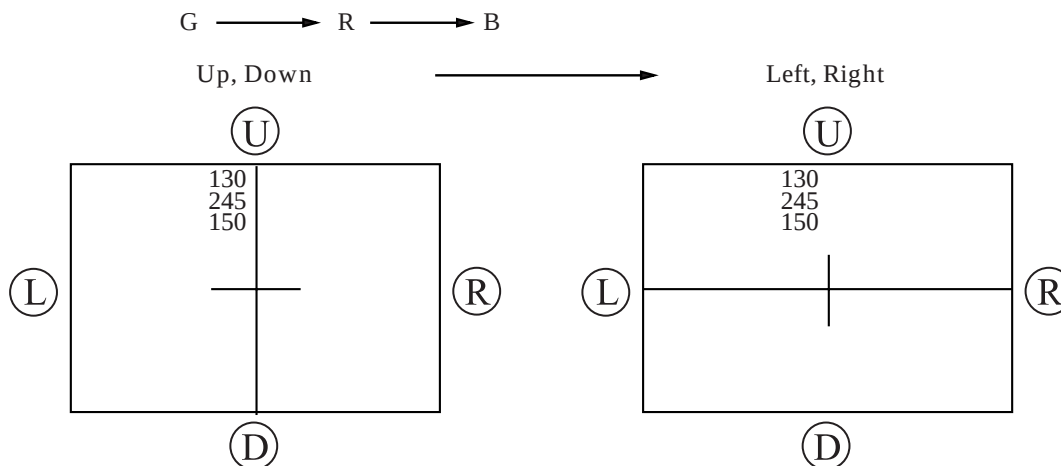
17. After completing the Convergence Adjustment, exit Convergence Mode by using the  key.
18. Follow the same procedure for DTV (1080i) Convergence Adjustment as you did for Normal Mode Convergence Adjustment.

Note

If Convergence Adjustment is not properly done, or the Convergence Center escaped the sensor's detection area, an adjustment error occurs. Therefore, the Jig Screen should be used for precise Convergence Adjustment during servicing.

4-7-3 Self Focus (Convergence Mode)

1. After completing the Convergence Adjustment, press the Memory button  to save the data and exit back to a black screen. Then enter Convergence Mode again to do the Automatic Color Adjustment by pressing the “Automatic Color Adjustment” button.



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4-8 Pin Spec

4-8-1 Convergence Module

CNZ01			
PIN	NAME	PIN	NAME
1	N.C	17	GND
2	GND	18	GND
3	D-FOCUS	19	BV
4	GND	20	BH
5	D2(SCL)	21	GV
6	D1	22	GH
7	GND	23	RV
8	C-SYNC	24	RH
9	CG-R	25	GND
10	CG-G	26	H-BLK
11	CG-B	27	V-BLK
12	D3(SDA)	28	GND
13	N.C	29	N.C
14	IR	30	-5V
15	F-BLK	31	5V-CG
16	GND	32	GND

5. Diagnostics

5-1 Opening the Set and Replacing Assemblies

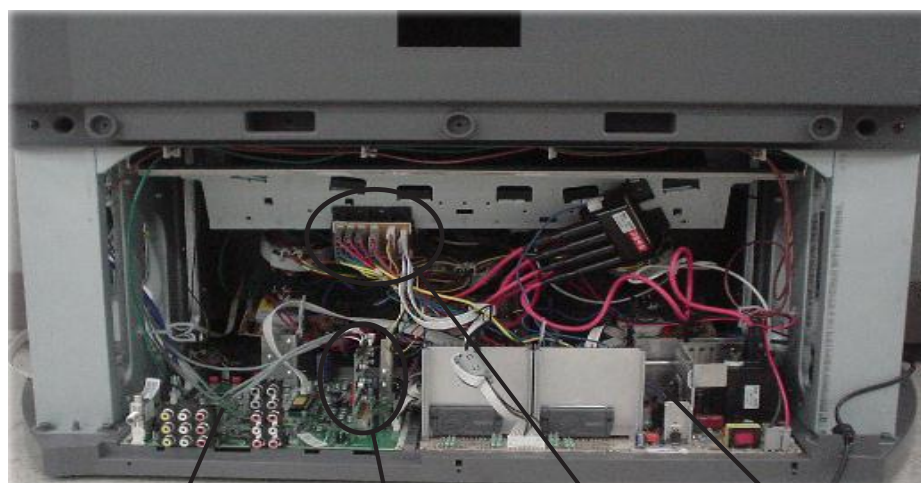
5-1-1 Replacing and Repairing Each Assembly (Opening the Back Cover)



Remove all indicated screws on the rear side of the Set

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Repair or replace the required Assembly



MAIN

CG Module

DY JACK

SUB

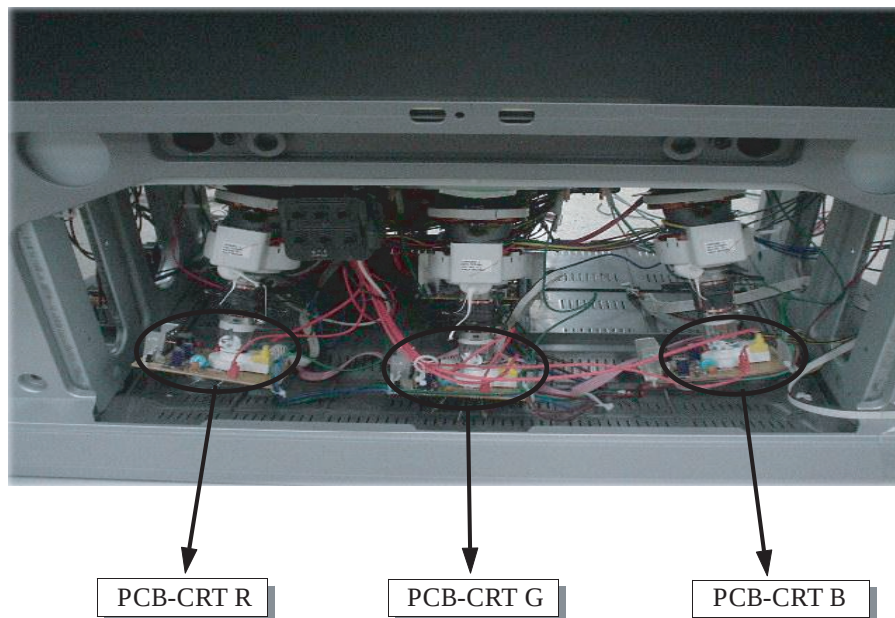
5-1-2 Replacing and Repairing the CRT-PCB (Opening the Front Cover)



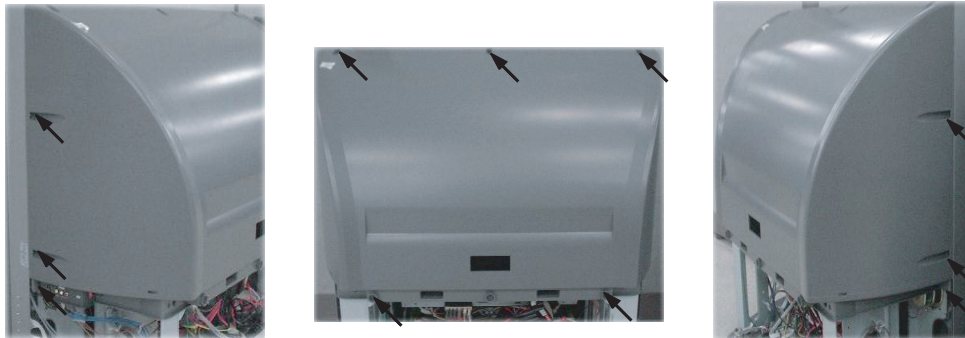
Remove all indicated screws and open the Front Cover.

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Repair the frontal PCB-CRT or replace it after removing the attached connectors



5-1-3 Replacing a Burnt or Exhausted CRT



The Back Cover is detached as illustrated below (refer to the Opening Back Cover). Remove the screws indicated and detach the Top Cover

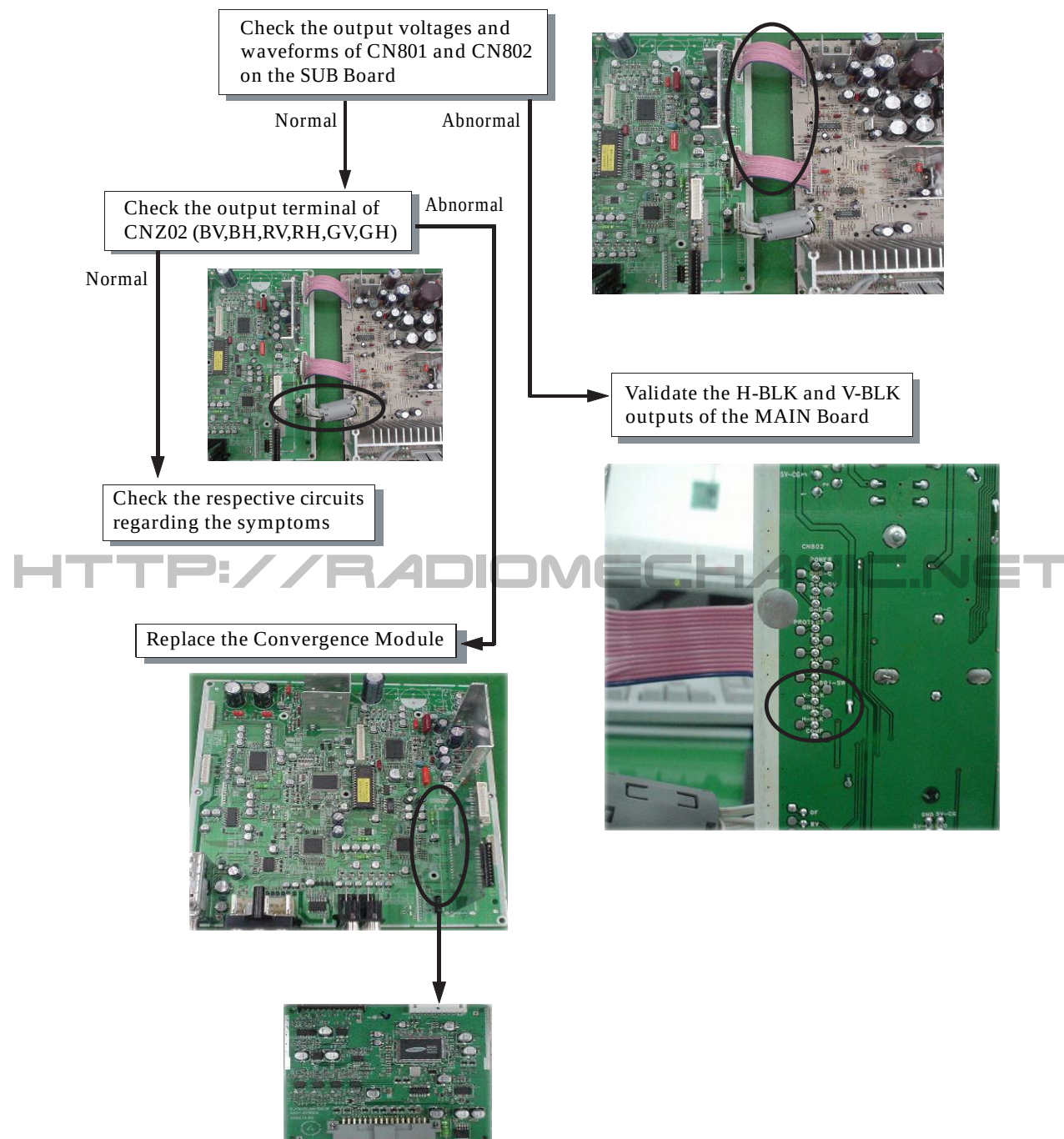


Remove the Dust Cover that prevents dust from entering into the screen

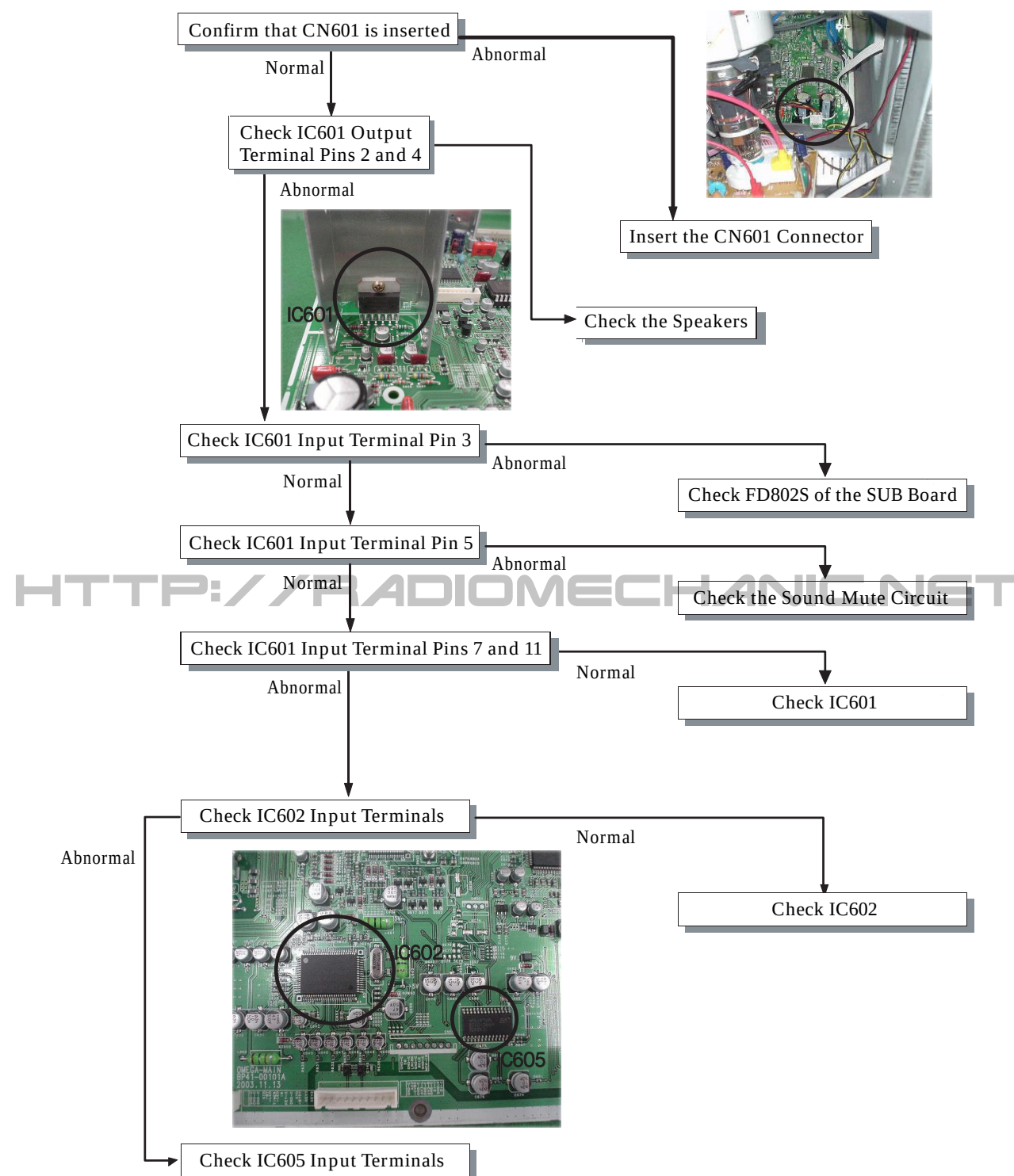


Before proceeding, disconnect all the DY and Connectors connected to the assembly.
Remove the 4 corner screws from the CRT and replace the CRT

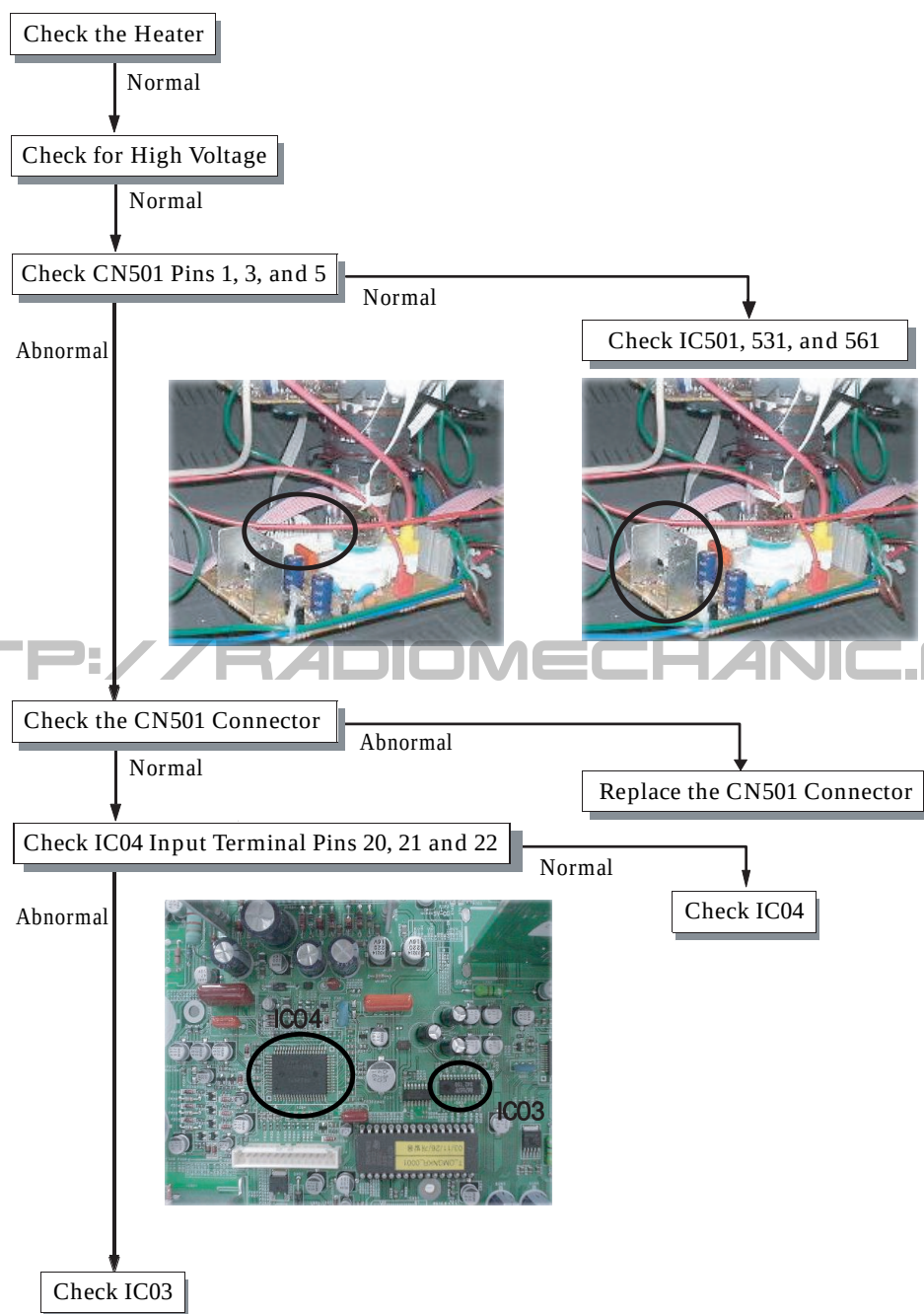
5-2 Repairing Distorted Convergence

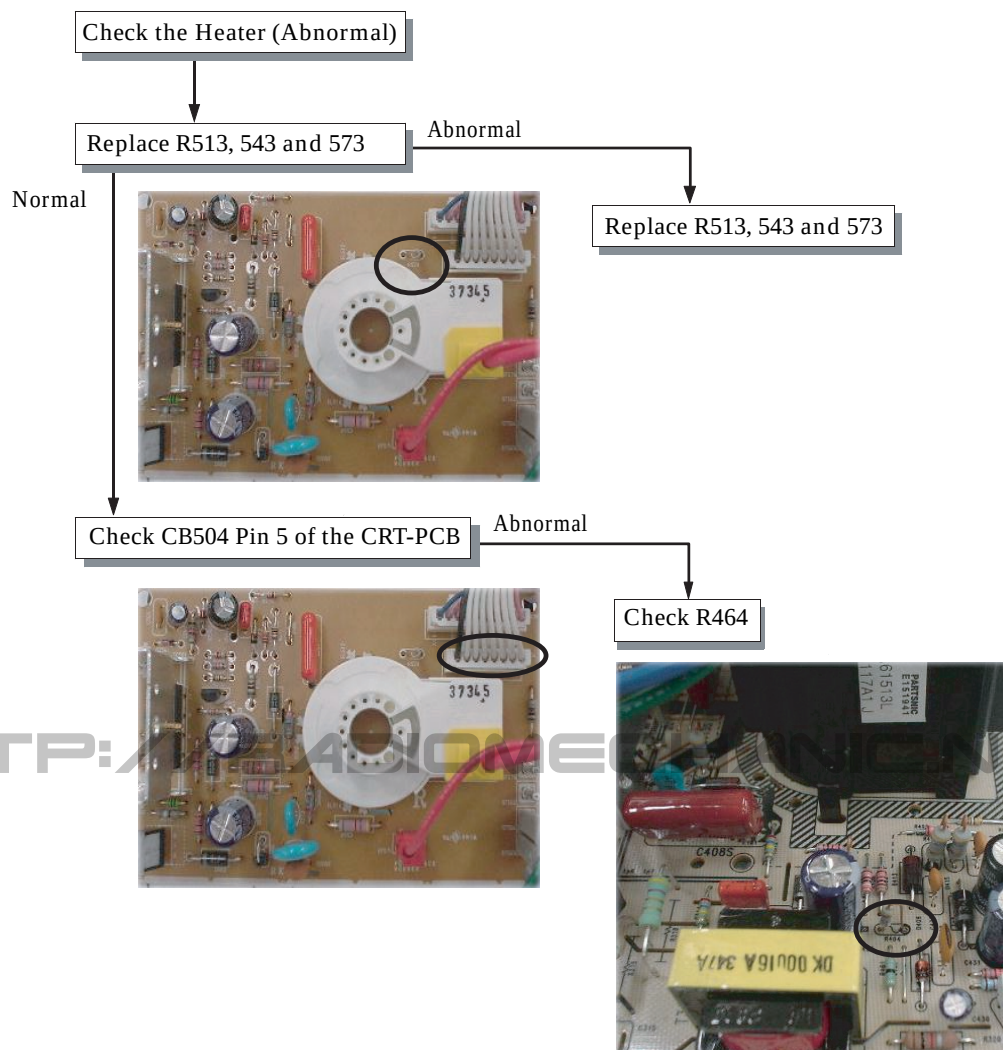


5-3 Repairing No Sound



5-4 Repairing No Video (with Normal Sound)





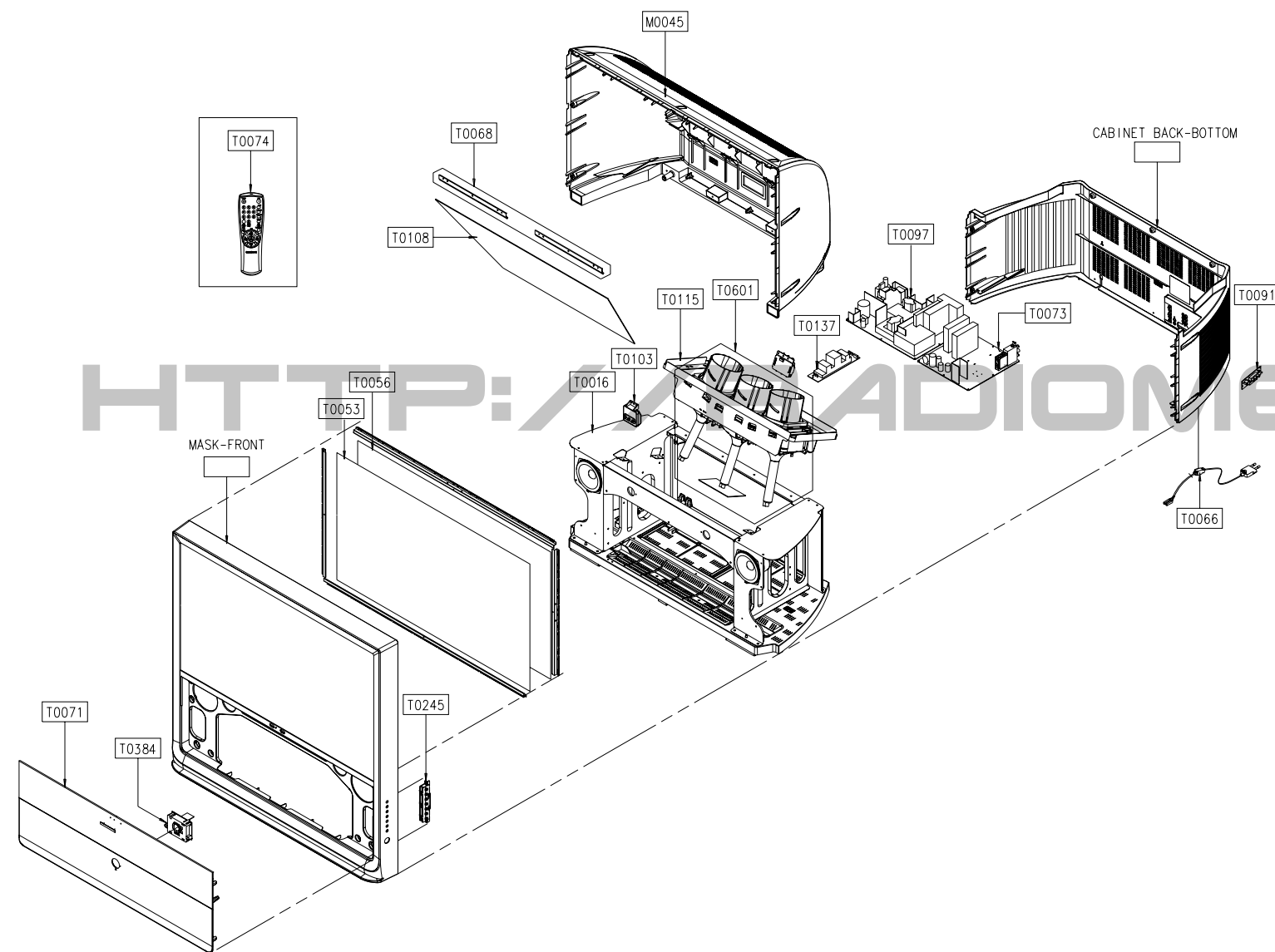
MEMO

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6. Exploded View & Parts List

6-1 HCP4241WX/XAA

You can search for the updated part code through ITSELF web site.
URL : <http://itself.sec.samsung.co.kr>



Loc.No	Code No	Description;Specification	Q'ty	Remark
T0071	BP96-00451D	ASSY COVER P-FRONT BOT;42Q2,HIPS,V0,GR50	1	
T0384	BP94-02124A	ASSY PCB MISC-PWR CONTROL;SVP-42Q2HL,P60	1	
	BP64-00333C	MASK-FRONT;42Q2,HIPS,HB,GR503,SV012P,SEA	1	S.N.A
T0245	BP94-01493A	ASSY PCB MISC-KEY CONTROL;SVP-42Q2HL,P60	1	
T0053	AA67-00193B	SCREEN FRESNEL;42W,960*552,T=2.0	1	
T0056	BP67-00104A	SCREEN LENTI;SCREEN-LENTI,958X550,T=0.76	1	
T0108	BP67-00082B	MIRROR-BACK;SSM,GLASS,823*628*416,3,42Q2	1	
T0068	BP61-00008A	BRACKET-MIRROR,ASSY;42W5,SECC,T1.0,01123	2	S.N.A
T0016	BP64-00337A	CABINET-BOTTOM;42Q2,HIPS,V0,GR503	1	
T0103	BP59-00045A	MODULE-FOCUS PACK ASS'Y;SVP-43W6HE,F301-	1	
T0115	AA61-00475B	BRACKET-CRT,MAIN;54,SECC,T1.6,-,-,-	1	
T0601	BP91-00992A	ASSY PRT;42Q2,P59A	1	S.N.A
T0137	BP94-00659A	ASSY PCB MISC-LINE FILTER,HCP4241WX/XAA,	1	S.N.A
T0073	BP94-00771A	ASSY PCB MAIN;HCP4241WX/XAA,P60A	1	
T0097	BP94-02114A	ASSY PCB MISC-PWR DEF;HCP4241WX/XAA,P60A	1	S.N.A
T0095	BP64-00408A	CABINET BACK-BOTTOM;42Q2,HIPS,V0,GR503	1	
T0091	BP94-01081A	ASSY PCB MISC-A/V SIDE;HCP4241WX/XAA,P60	1	S.N.A
M0045	BP64-00335A	CABINET BACK-TOP;42Q2,HIPS,HB,GR503	1	
T0066	AA96-00156D	ASSY POWER CORD;-EP2/YES(US),H/C 200MM,	1	S.N.A
T0074	BP59-00058C	REMOCON;OMEGA,TM76A,47,PJT,EX,SAMSUNG,NT	1	

7. Electrical Parts List

7-1 HCP4241WX/XAA

Loc. No.	Code No.	Description ; Specification	Remark	Loc. No.	Code No.	Description ; Specification	Remark
ASSY CHASSIS							
1	M0017	BP91-01335A ASSY CHASSIS;HCP4241WX/XAA,P60A	S.N.A	4	GT803	AA60-40014A PIN-GT,ASSY;AUTO	S.N.A
..2	T0105	BP94-00567A ASSY PCB MISC-DY JACK;SVP-43W6,CHAMP		4	GT805	AA60-40014A PIN-GT,ASSY;AUTO	S.N.A
...3	CN906	3711-000654 CONNECTOR-HEADER;BOX,12P,1R,2.5mm,STRAIGH		4	GT812	AA60-40014A PIN-GT,ASSY;AUTO	S.N.A
...3	GT04	AA60-40012D PIN-GT,ASSY;T1,6,6-12.5-,NYLON66	S.N.A	4	GT813	AA60-40014A PIN-GT,ASSY;AUTO	S.N.A
...3	GT03	AA60-40012D PIN-GT,ASSY;T1,6,6-12.5-,NYLON66	S.N.A	4	GT814	AA60-40014A PIN-GT,ASSY;AUTO	S.N.A
...3	GT02	AA60-40012D PIN-GT,ASSY;T1,6,6-12.5-,NYLON66	S.N.A	4	00	BP41-00052A PCB-LINE-FILTER;4Q2Q,L/FILTER,1L,1.6T,24	S.N.A
...3	GT01	AA60-40012D PIN-GT,ASSY;T1,6,6-12.5-,NYLON66	S.N.A	..2	T0073	BP94-00771A ASSY PCB MAIN;HCP4241WX/XAA,P60A	
...3	BP97-00524A	ASSY AUTO;SVP-43W6HE,P59A	S.N.A	...3	0202-001366	SOLDER-WIRE FLUX;-RS60S,D1,2.63Sn/37Pb,	S.N.A
....4	R075	2001-001107 R-CARBON(S);220ohm,5%,1/2W,AA,TP,2.4x6.4		...3	IC902	1102-001130 IC-EPROM;M27W201-80F6,256KX8BIT,DIP,32P,	
....4	R075	2001-001107 R-CARBON(S);220ohm,5%,1/2W,AA,TP,2.4x6.4		...3	C701	2401-001068 C-AL;3300uf,20%,50V,GP,BK,22x40,10	
....4	R075	2001-001107 R-CARBON(S);220ohm,5%,1/2W,AA,TP,2.4x6.4		...3	EX01	2801-004019 CRYSTAL-UNIT;20.25MHz,30ppm,28-AAAM,13pF,	
....4	BP41-00053A	PCB-DY;43W6,DY-JACK,1L,1.6T,75*50,P59A,1	S.N.A	...3	T0122	2802-001177 RESONATOR-CERAMIC;2.696MHZ,0.4%,BK,10X4.	
...3	CN906	3711-000343 CONNECTOR-HEADER;BOX,4P,1R,2.5MM,STRAIGH		...3	T0122	2802-001179 RESONATOR-CERAMIC;4MHZ,0.5%,BK,8X3X5.5MM	
...3	CN906	3711-000343 CONNECTOR-HEADER;BOX,4P,1R,2.5MM,STRAIGH		...3	CN902	3703-001150 CONNECTOR-HEADER;BOX,32P,2R,FEMALE,STRAI	
...3	CN906	3711-000343 CONNECTOR-HEADER;BOX,4P,1R,2.5MM,STRAIGH		...3	CN906	3711-000012 CONNECTOR-HEADER;BOX,4P,1R,2.5mm,STRAIGH	
...3	CN906	3711-000343 CONNECTOR-HEADER;BOX,4P,1R,2.5MM,STRAIGH		...3	CN906	3711-000577 CONNECTOR-HEADER;BOX,10P,1R,2.5mm,STRAIGH	
...3	BP61-00375A	HOLDER-PCB DY;43W6,ABS,V0,BLK	S.N.A	...3	CN906	3711-000616 CONNECTOR-HEADER;BOX,11P,1R,2.5mm,STRAIGH	
...3	0202-001366	SOLDER-WIRE FLUX;-RS60S,D1,2.63Sn/37Pb,	S.N.A	...3	CN906	3711-003240 CONNECTOR-HEADER;BOX,15P,1R,2.5mm,STRAIGH	
..2	T0137	BP94-00659A ASSY PCB MISC-LINE FILTER;HCP4241WX/XAA,	S.N.A	...3	CN906	3711-003240 CONNECTOR-HEADER;BOX,15P,1R,2.5mm,STRAIGH	
...3	0202-001366	SOLDER-WIRE FLUX;-RS60S,D1,2.63Sn/37Pb,	S.N.A	...3	JA701	3722-001426 JACK-PIN;9P,3.4mm,NI,BLK,-	
△ ...3	NT801S	1404-001195 THERMISTOR-NTC;5.1ohm,15%,2900,27mW/C,BK		...3	JA703	3722-001795 JACK-PIN;10P(10P)-,NI,RD/WH/RD/BL/GN*2,	
△ ...3	CX801S	2301-001055 C-FILM,LEAD-PPF;330nF,20%,275V,TP,10x19,		△ ...3	TU01S	AA40-00123A TUNER;TMOH2-701A,C-TV TM(2TU-MAIN),NTSC,	
△ ...3	CX803S	2306-000318 C-FILM,LEAD-PPF;220nF,20%,250V,BK,-,22.5		...3	AA63-00396B	SHIELD CASE-TOP;PRJT,P54A,SPT0,T0.5,-,-,	S.N.A
△ ...3	CX805S	2306-000318 C-FILM,LEAD-PPF;220nF,20%,250V,BK,-,22.5		...3	AA63-00397B	SHIELD CASE-BOT;PRJT,P54A,SPT0,T0.5,-,-,	S.N.A
△ ...3	CX802S	2306-000321 C-FILM,LEAD-PPF;470nF,20%,275V,BK,31X11X		...3	IC601	AA96-00623E ASSY H/S;SCREW,MAIN,AA62-00056A,TDA7265,	S.N.A
△ ...3	FP801S	3601-001007 FUSE-CARTRIDGE;250V,6.3A,TIME-LAG,GLASS,		4	0205-001153	GREASE-SILICON;SC102,JAPAN,-	S.N.A
△ ...3	LX802S	AA29-00011A FILTER LINE NOISE;CZ32W8,-,0.20MAX,1.5KV		4	T0124	1201-001026 IC-POWER AMP;7265,ZIP,11P,19.6MIL,DUAL,1	
△ ...3	LX803S	AA29-00011A FILTER LINE NOISE;CZ32W8,-,0.20MAX,1.5KV		4	T0081	6003-000334 SCREW-TAPTITE;RH,*,2S,M3,L6,ZPC(YEL),SWR	S.N.A
△ ...3	LX804S	AA29-00011A FILTER LINE NOISE;CZ32W8,-,0.20MAX,1.5KV		4	AA62-00056A	HEAT SINK-PS,-,T1,0,-,41*35*70,D2,-,-,	S.N.A
△ ...3	LX801S	AA29-00001Z FILTER LINE NOISE;-10mH,2.8A,-,SQE3535		...3	BP95-00430A	ASSY SUB PCB-C6 MOD;SVP-42Q2HL,P60A	
...3	BP97-00555A	ASSY AUTO;HCP4241WX/XAA,P60A	S.N.A	4	0202-001366	SOLDER-WIRE FLUX;-RS60S,D1,2.63Sn/37Pb,	S.N.A
△ ...4	VP801S	1405-000152 VARISTOR;560V,2500A,14x8.5mm,TP		4	Q409	0505-000109 FET-SILICON;2N7000,N,60V,200mA,5ohm,400m	
△ ...4	VX801S	1405-000187 VARISTOR;750V,1250A,12.5x7mm,TP		4	Q409	0505-000109 FET-SILICON;2N7000,N,60V,200mA,5ohm,400m	
△ ...4	RX801S	2002-000133 R-COMPOSITION;3.3Mohm,5%,1/2W,AA,TP,3.5x		4	L01	2701-001030 INDUCTOR-AXIAL;43UH,10%,4514	
....4	F801A	3602-000114 FUSE-HOLDER;-,-,30mohm		4	CN906	3711-000570 CONNECTOR-HEADER;BOX,10P,1R,2.5MM,ANGLE,	S.N.A
....4	F801B	3602-000114 FUSE-HOLDER;-,-,30mohm		4	CN906	3711-003601 CONNECTOR-HEADER;BOX,12P,1R,2.5mm,ANGLE,	
....4	EY01	6042-000002 EYELET;ID1,5,0D2,L2,8,NI+SN,BSP3-1/2H	S.N.A	4	CN902	3711-003630 CONNECTOR-BACK PANEL;BOX,32P,2R,2.54mm,A	
....4	EY02	6042-000002 EYELET;ID1,5,0D2,L2,8,NI+SN,BSP3-1/2H	S.N.A	4	BP97-00644A	ASSY SMD;SVP-42Q2HL,P60A	S.N.A
....4	EY03	6042-000002 EYELET;ID1,5,0D2,L2,8,NI+SN,BSP3-1/2H	S.N.A	△ ...5	CISS	0401-000132 DIODE-SWITCHING;BAV99,70V,50MA,SOT-23,TP	
....4	EY04	6042-000002 EYELET;ID1,5,0D2,L2,8,NI+SN,BSP3-1/2H	S.N.A	△ ...5	CISS	0401-000132 DIODE-SWITCHING;BAV99,70V,50MA,SOT-23,TP	
....4	EY05	6042-000002 EYELET;ID1,5,0D2,L2,8,NI+SN,BSP3-1/2H	S.N.A	△ ...5	CISS	0401-000132 DIODE-SWITCHING;BAV99,70V,50MA,SOT-23,TP	
....4	EY06	6042-000002 EYELET;ID1,5,0D2,L2,8,NI+SN,BSP3-1/2H	S.N.A	△ ...5	CISS	0401-000132 DIODE-SWITCHING;BAV99,70V,50MA,SOT-23,TP	
....4	EY07	6042-000002 EYELET;ID1,5,0D2,L2,8,NI+SN,BSP3-1/2H	S.N.A	△ ...5	CISS	0401-000132 DIODE-SWITCHING;BAV99,70V,50MA,SOT-23,TP	
....4	EY08	6042-000002 EYELET;ID1,5,0D2,L2,8,NI+SN,BSP3-1/2H	S.N.A	△ ...5	CISS	0401-000132 DIODE-SWITCHING;BAV99,70V,50MA,SOT-23,TP	
....4	EY09	6042-000002 EYELET;ID1,5,0D2,L2,8,NI+SN,BSP3-1/2H	S.N.A	△ ...5	CISS	0401-000132 DIODE-SWITCHING;BAV99,70V,50MA,SOT-23,TP	
....4	EY10	6042-000002 EYELET;ID1,5,0D2,L2,8,NI+SN,BSP3-1/2H	S.N.A	△ ...5	CISS	0401-000132 DIODE-SWITCHING;BAV99,70V,50MA,SOT-23,TP	
....4	EY11	6042-000002 EYELET;ID1,5,0D2,L2,8,NI+SN,BSP3-1/2H	S.N.A	△ ...5	CISS	0401-000132 DIODE-SWITCHING;BAV99,70V,50MA,SOT-23,TP	
....4	EY12	6042-000002 EYELET;ID1,5,0D2,L2,8,NI+SN,BSP3-1/2H	S.N.A	△ ...5	CISS	0401-000160 DIODE-SWITCHING;ISS314,30V,100MA,SOD-323	
....4	EY13	6042-000002 EYELET;ID1,5,0D2,L2,8,NI+SN,BSP3-1/2H	S.N.A	△ ...5	CISS	0401-000160 DIODE-SWITCHING;ISS314,30V,100MA,SOD-323	
....4	EY14	6042-000002 EYELET;ID1,5,0D2,L2,8,NI+SN,BSP3-1/2H	S.N.A	△ ...5	CISS	0401-000160 DIODE-SWITCHING;ISS314,30V,100MA,SOD-323	
....4	EY15	6042-000002 EYELET;ID1,5,0D2,L2,8,NI+SN,BSP3-1/2H	S.N.A	△ ...5	CISS	0401-000160 DIODE-SWITCHING;ISS314,30V,100MA,SOD-323	
....4	EY16	6042-000002 EYELET;ID1,5,0D2,L2,8,NI+SN,BSP3-1/2H	S.N.A	△ ...5	CISS	0401-000160 DIODE-SWITCHING;ISS314,30V,100MA,SOD-323	
....4	EY17	6042-000002 EYELET;ID1,5,0D2,L2,8,NI+SN,BSP3-1/2H	S.N.A	△ ...5	CISS	0401-000160 DIODE-SWITCHING;ISS314,30V,100MA,SOD-323	
....4	EY18	6042-000002 EYELET;ID1,5,0D2,L2,8,NI+SN,BSP3-1/2H	S.N.A	...5	DZ016	0403-001016 DIODE-ZENER;RLZ6.2B,5.96-6.27V,500MW,LL-	
....4	EY19	6042-000002 EYELET;ID1,5,0D2,L2,8,NI+SN,BSP3-1/2H	S.N.A	...5	DZ016	0403-001016 DIODE-ZENER;RLZ6.2B,5.96-6.27V,500MW,LL-	
....4	EY20	6042-000002 EYELET;ID1,5,0D2,L2,8,NI+SN,BSP3-1/2H	S.N.A	...5	DZ016	0403-001016 DIODE-ZENER;RLZ6.2B,5.96-6.27V,500MW,LL-	
....4	EY21	6042-000002 EYELET;ID1,5,0D2,L2,8,NI+SN,BSP3-1/2H	S.N.A	...5	T0156	0501-000280 TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	
....4	EY22	6042-000002 EYELET;ID1,5,0D2,L2,8,NI+SN,BSP3-1/2H	S.N.A	...5	T0156	0501-000342 TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	
....4	EY23	6042-000002 EYELET;ID1,5,0D2,L2,8,NI+SN,BSP3-1/2H	S.N.A	...5	IC104	0801-002404 IC-CMOS LOGIC;74VHC4066,ANALOG SWITCH,SO	
....4	EY24	6042-000002 EYELET;ID1,5,0D2,L2,8,NI+SN,BSP3-1/2H	S.N.A	...5	IC104	0801-002449 IC-CMOS LOGIC;74LVX4245,BUS TRANSCEIVER,	
....4	EY25	6042-000002 EYELET;ID1,5,0D2,L2,8,NI+SN,BSP3-1/2H	S.N.A	...5	IC15	1001-001211 IC-ANALOG MULTIPLEX;MM74HC4052MTC,DUALMU	
....4	EY26	6042-000002 EYELET;ID1,5,0D2,L2,8,NI+SN,BSP3-1/2H	S.N.A	...5	IC07	1001-001211 IC-ANALOG MULTIPLEX;MM74HC4052MTC,DUALMU	
....4	EY27	6042-000002 EYELET;ID1,5,0D2,L2,8,NI+SN,BSP3-1/2H	S.N.A	...5	DU410	1201-001135 IC-OP AMP;324,SOP,ST,14P,150MIL,QUAD,100	
....4	EY45	6042-000002 EYELET;ID1,5,0D2,L2,8,NI+SN,BSP3-1/2H	S.N.A	...5	DU410	1201-001504 IC-OP AMP;072,SOP,8P,150MIL,DUAL,-,PLAST	
....4	GT801	AA60-40014A PIN-GT,ASSY;AUTO	S.N.A	...5	DU410	1201-001504 IC-OP AMP;072,SOP,8P,150MIL,DUAL,-,PLAST	
....4	GT802	AA60-40014A PIN-GT,ASSY;AUTO	S.N.A	...5	DU410	1201-001504 IC-OP AMP;072,SOP,8P,150MIL,DUAL,-,PLAST	

Electrical Parts List

Loc. No.	Code No.	Description ; Specification	Remark
.5 T0074	1201-001520	IC-VIDEO AMP;EL2250CS,SQIC,8P,150ML,DUA	
.5 IC04	1203-001211	IC-VOL. DETECTOR;7027,SOT-89,3P,-,PLASTI	
.5 IC20	1203-003172	IC-DUAL VOLTAGE REGULATOR;SI-3006KWM,DPA	
.5 R087	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
.5 R087	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	
.5 R087	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	
.5 R087	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	
.5 R087	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	
.5 R087	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
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.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
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.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
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.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
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.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
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.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
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.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
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.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
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.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
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.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5 R087	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
.5			

[illegible]

Loc. No.	Code No.	Description ; Specification	Remark
.....5	T0657	2203-000204 C-CER,CHIP;100nF,10%,25V,X7R,TP,2012	
.....5	T0657	2203-000204 C-CER,CHIP;100nF,10%,25V,X7R,TP,2012	
.....5	T0657	2203-000204 C-CER,CHIP;100nF,10%,25V,X7R,TP,2012	
.....5	T0657	2203-000204 C-CER,CHIP;100nF,10%,25V,X7R,TP,2012	
.....5	T0657	2203-000204 C-CER,CHIP;100nF,10%,25V,X7R,TP,2012	
.....5	T0657	2203-000204 C-CER,CHIP;100nF,10%,25V,X7R,TP,2012	
.....5	T0657	2203-000204 C-CER,CHIP;100nF,10%,25V,X7R,TP,2012	
.....5	T0657	2203-000204 C-CER,CHIP;100nF,10%,25V,X7R,TP,2012	
.....5	T0657	2203-000204 C-CER,CHIP;100nF,10%,25V,X7R,TP,2012	
.....5	T0657	2203-000204 C-CER,CHIP;100nF,10%,25V,X7R,TP,2012	
.....5	T0657	2203-000204 C-CER,CHIP;100nF,10%,25V,X7R,TP,2012	
.....5	T0657	2203-000204 C-CER,CHIP;100nF,10%,25V,X7R,TP,2012	
.....5	T0657	2203-000204 C-CER,CHIP;100nF,10%,25V,X7R,TP,2012	
.....5	T0657	2203-000204 C-CER,CHIP;100nF,10%,25V,X7R,TP,2012	
.....5	T0657	2203-000204 C-CER,CHIP;100nF,10%,25V,X7R,TP,2012	
.....5	T0657	2203-000204 C-CER,CHIP;100nF,10%,25V,X7R,TP,2012	
.....5	T0657	2203-000204 C-CER,CHIP;100nF,10%,25V,X7R,TP,2012	
.....5	T0657	2203-000204 C-CER,CHIP;100nF,10%,25V,X7R,TP,2012	
.....5	T0657	2203-000204 C-CER,CHIP;100nF,10%,25V,X7R,TP,2012	
.....5	T0657	2203-000204 C-CER,CHIP;100nF,10%,25V,X7R,TP,2012	
.....5	T0657	2203-000204 C-CER,CHIP;100nF,10%,25V,X7R,TP,2012	
.....5	T0657	2203-000204 C-CER,CHIP;100nF,10%,25V,X7R,TP,2012	
.....5	T0657	2203-000204 C-CER,CHIP;100nF,10%,25V,X7R,TP,2012	
.....5	T0657	2203-000257 C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
.....5	T0657	2203-000257 C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
.....5	T0657	2203-000257 C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
.....5	T0657	2203-000257 C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
.....5	T0657	2203-000257 C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
.....5	T0657	2203-000357 C-CER,CHIP;0.15nF,5%,50V,COG,TP,1608	
.....5	T0657	2203-000357 C-CER,CHIP;0.15nF,5%,50V,COG,TP,1608	
.....5	T0657	2203-000357 C-CER,CHIP;0.15nF,5%,50V,COG,TP,1608	
.....5	T0657	2203-000357 C-CER,CHIP;0.15nF,5%,50V,COG,TP,1608	
.....5	T0657	2203-000357 C-CER,CHIP;0.15nF,5%,50V,COG,TP,1608	
.....5	T0657	2203-000357 C-CER,CHIP;0.15nF,5%,50V,COG,TP,1608	
.....5	T0657	2203-000357 C-CER,CHIP;0.15nF,5%,50V,COG,TP,1608	
.....5	T0657	2203-000440 C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
.....5	T0657	2203-000440 C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
.....5	T0657	2203-000972 C-CER,CHIP;47nF,10%,16V,X7R,TP,1608	
.....5	T0657	2203-000972 C-CER,CHIP;47nF,10%,16V,X7R,TP,1608	
.....5	T0657	2203-000972 C-CER,CHIP;47nF,10%,16V,X7R,TP,1608	
.....5	T0657	2203-000972 C-CER,CHIP;47nF,10%,16V,X7R,TP,1608	
.....5	T0657	2203-001071 C-CER,CHIP;0.056nF,5%,50V,COG,TP,1608	
.....5	T0657	2203-001071 C-CER,CHIP;0.056nF,5%,50V,COG,TP,1608	
.....5	T0657	2203-001071 C-CER,CHIP;0.056nF,5%,50V,COG,TP,1608	
.....5	T0657	2203-001071 C-CER,CHIP;0.056nF,5%,50V,COG,TP,1608	
.....5	T0657	2203-001071 C-CER,CHIP;0.056nF,5%,50V,COG,TP,1608	
.....5	T0657	2203-001071 C-CER,CHIP;0.056nF,5%,50V,COG,TP,1608	
.....5	T0657	2203-001071 C-CER,CHIP;0.056nF,5%,50V,COG,TP,1608	
.....5	T0657	2203-001083 C-CER,CHIP;0.005nF,0.1pF,50V,NPO,TP,1608	
.....5	T0657	2203-001083 C-CER,CHIP;0.005nF,0.1pF,50V,NPO,TP,1608	
.....5	T0657	2203-001083 C-CER,CHIP;0.005nF,0.1pF,50V,NPO,TP,1608	
.....5	T0657	2203-001083 C-CER,CHIP;0.005nF,0.1pF,50V,NPO,TP,1608	
.....5	T0657	2203-001083 C-CER,CHIP;0.005nF,0.1pF,50V,NPO,TP,1608	
.....5	C24	2402-001042 C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	
.....5	C40	2402-001042 C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	
.....5	C46	2402-001042 C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	
.....5	C48	2402-001042 C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	
.....5	C97	2402-001042 C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	
.....5	C01	2402-001042 C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	
.....5	C03	2402-001042 C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	
.....5	C05	2402-001042 C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	
.....5	C07	2402-001042 C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	
.....5	C17	2402-001042 C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	
.....5	C106	2402-001042 C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	
.....5	C35	2402-001049 C-AL,CHIP;10uF,20%,16V,GP,TP,3.3x3.3x5.4	
.....5	C33	2402-001049 C-AL,CHIP;10uF,20%,16V,GP,TP,3.3x3.3x5.4	
.....5	C28	2402-001049 C-AL,CHIP;10uF,20%,16V,GP,TP,3.3x3.3x5.4	
.....5	OSC01	2804-001594 OSCILLATOR-CLOCK;6MHz,100ppm,15pF,SMD,3.	
.....5	IC125	AA13-00110A IC ASIC;SDC31,SDC31,128,+1.8V,+3.3V,-0to	
.....5	0	AA41-00996A PCB-CG;Convergence,FR-4,2,1.6T,220°235,1	S.N.A

Loc. No.	Code No.	Description ; Specification	Remark
.....5	R087	2007-000082 R-CHIP;3.3Kohm,5%,1/10W,TP,1608	
.....5	R087	2007-000082 R-CHIP;3.3Kohm,5%,1/10W,TP,1608	
.....5	R087	2007-000082 R-CHIP;3.3Kohm,5%,1/10W,TP,1608	
.....5	0202-001376	SOLDER-CREAM;RX3603-2330HO,S45A,PASTE,Sn	S.N.A
.....3	MIC801	BP96-00335E ASSY HEAT SINK P;BP62-00035A,SCREW,SLA30	S.N.A
.....4	H/S	0205-001154 OIL-SILICON;G746,-,-	S.N.A
.....4	IC012	1203-000203 IC-POS1.ADJUST REG.;3050,TO-220,5P,-,PLA	
.....4	T0087	1203-003158 IC-POS1.FIXED REG.;SLA3010M,SIP,15P;30x1	
.....4	T0081	6003-000333 SCREW-TAPTITE;RH,+2S,M3,L10,ZPC(YEL),SW	S.N.A
.....4	H/S	BP62-00035A HEAT SINK-PS;P57A,A1050S,T2,0,12.5,66,H8	S.N.A
.....3	BP97-00589A	ASSY AUTO;HCP4241WX/XAA,P60A	S.N.A
.....4	T0083	0402-000132 DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
.....4	T0083	0402-000132 DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
.....4	T0083	0402-000132 DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
.....4	T0083	0402-000274 DIODE-RECTIFIER;UF4004,400V,1A,DO-41,TP	
.....4	T0083	0402-000546 DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
.....4	T0083	0402-000546 DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
.....4	DZ016	0403-000167 DIODE-ZENER;1N4758A,5%,1000MW,DO-41,TP	
.....4	DZ016	0403-000700 DIODE-ZENER;TZP33A,5%,1000MW,DO-41,TP	
.....4	Q409	0505-000109 FET-SILICON;2N7000,N,60V,200mA,5ohm,400m	
.....4	Q409	0505-000109 FET-SILICON;2N7000,N,60V,200mA,5ohm,400m	
.....4	IC904	1203-001943 IC-VOL DETECTOR;7025,TO-92,3P,-,PLASTIC	
.....4	R075	2001-000109 R-CARBON(S);470OHM,5%,1/2W,AA,TP,2.4X6.4	
.....4	R075	2001-000109 R-CARBON(S);470OHM,5%,1/2W,AA,TP,2.4X6.4	
.....4	R125	2001-000613 R-CARBON;3.9KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
.....4	R125	2001-000613 R-CARBON;3.9KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
.....4	R125	2001-000739 R-CARBON;4.7MOHM,5%,1/8W,AA,TP,1.8X3.2MM	
.....4	R125	2001-000857 R-CARBON;560OHM,5%,1/8W,AA,TP,1.8X3.2MM	
.....4	R125	2001-000857 R-CARBON;560OHM,5%,1/8W,AA,TP,1.8X3.2MM	
.....4	R125	2001-000857 R-CARBON;560OHM,5%,1/8W,AA,TP,1.8X3.2MM	
.....4	R125	2001-000857 R-CARBON;560OHM,5%,1/8W,AA,TP,1.8X3.2MM	
.....4	R125	2001-000947 R-CARBON;7.5KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
.....4	R075	2001-001043 R-CARBON(S);0OHM,5%,1/2W,AA,TP,2.4X6.4MM	
.....4	R075	2001-001144 R-CARBON(S);4.7KOHM,5%,1/2W,AA,TP,2.4X6.4	
.....4	R075	2001-001144 R-CARBON(S);4.7KOHM,5%,1/2W,AA,TP,2.4X6.4	
.....4	R075	2001-001146 R-CARBON(S);4.7OHM,5%,1/2W,AA,TP,2.4X6.4	
.....4	R075	2001-001146 R-CARBON(S);4.7OHM,5%,1/2W,AA,TP,2.4X6.4	
.....4	R075	2001-001146 R-CARBON(S);4.7OHM,5%,1/2W,AA,TP,2.4X6.4	
.....4	MR815	2003-001091 R-METAL OXIDE(S);10ohm,5%,2W,AF,TP,4x12m	
.....4	MR814	2003-001098 R-METAL OXIDE(S);22Kohm,5%,3W,AA,TP,6x16	
.....4	R675	2004-000433 R-METAL;1Kohm,1%,1/8W,AA,TP,1.8x3.2mm	
.....4	R676	2004-000433 R-METAL;1Kohm,1%,1/8W,AA,TP,1.8x3.2mm	
.....4	R024	2004-001373 R-METAL(S);100Kohm,1%,1/2W,AA,TP,2.4x6.4	
.....4	R024	2004-001373 R-METAL(S);100Kohm,1%,1/2W,AA,TP,2.4x6.4	
.....4	R024	2004-001373 R-METAL(S);100Kohm,1%,1/2W,AA,TP,2.4x6.4	
.....4	R024	2004-001376 R-METAL(S);11Kohm,1%,1/2W,AA,TP,2.4x6.4m	
.....4	R024	2004-001397 R-METAL(S);4.7Kohm,1%,1/2W,AA,TP,2.4x6.4	
.....4	R024	2004-001397 R-METAL(S);4.7Kohm,1%,1/2W,AA,TP,2.4x6.4	
.....4	R024	2004-001397 R-METAL(S);4.7Kohm,1%,1/2W,AA,TP,2.4x6.4	
.....4	R024	2004-001970 R-METAL(S);1.8Kohm,1%,1/2W,AA,TP,6.5x2.5	
.....4	R024	2004-001970 R-METAL(S);1.8Kohm,1%,1/2W,AA,TP,6.5x2.5	
.....4	R024	2004-001970 R-METAL(S);1.8Kohm,1%,1/2W,AA,TP,6.5x2.5	
.....4	R024	2004-004029 R-METAL(S);10Kohm,1%,1/2W,AA,TP,2.5x6.5m	
.....4	R024	2004-005054 R-METAL(S);39KOHM,1%,1/2W,AA,TP,2.4X6.4MM	
.....4	C2560	2301-000192 C-FILM,LEAD-PEF;1nF,5%,50V,TP,5.3x10mm,5	
.....4	C2560	2301-000192 C-FILM,LEAD-PEF;1nF,5%,50V,TP,5.3x10mm,5	
.....4	FC58	2301-001664 C-FILM,LEAD-OTHER;100nF,3%,50V,TP,20x16x	
.....4	C2560	2305-000011 C-FILM,LEAD-PEF;470nF,5%,250V,TP,21.5X13	
.....4	C2560	2305-000411 C-FILM,LEAD-PEF;470nF,5%,50V,TP,7.3x4.8x	
.....4	C2560	2305-000704 C-FILM,LEAD-PEF;100nF,5%,250V,TP,16.5x10	
.....4	C2560	2305-000704 C-FILM,LEAD-PEF;100nF,5%,250V,TP,16.5x10	
.....4	C2560	2305-000704 C-FILM,LEAD-PEF;100nF,5%,250V,TP,16.5x10	
.....4	C701	2401-000039 C-AL;1000uF,20%,16V,GP,TP,10x16.5	
.....4	C701	2401-000192 C-AL;1000uF,20%,50V,GP,TP,16x25.7,5	
.....4	C701	2401-000192 C-AL;1000uF,20%,50V,GP,TP,16x25.7,5	
.....4	C701	2401-000689 C-AL;2200uF,20%,16V,GP,TP,13x25.5	
.....4	C701	2401-000962 C-AL;22uF,20%,50V,GP,TP,5x11.5	
.....4	C701	2401-001363 C-AL;470uF,20%,16V,GP,TP,10x12.5,5	
.....4	C701	2401-001363 C-AL;470uF,20%,16V,GP,TP,10x12.5,5	
.....4	C701	2401-001363 C-AL;470uF,20%,16V,GP,TP,10x12.5,5	
.....4	C701	2401-001397 C-AL;470uF,20%,25V,GP,TP,10x16.5	
.....4	C701	2401-002464 C-AL;47uF,20%,16V,BP,TP,8x11.5,5	
.....4	C701	2401-002464 C-AL;47uF,20%,16V,BP,TP,8x11.5,5	
.....4	C701	2401-002464 C-AL;47uF,20%,16V,BP,TP,8x11.5,5	
.....4	L705	2701-001030 INDUCTOR-AXIAL;43UH,10%,4514	
.....4	L706	2701-001030 INDUCTOR-AXIAL;43UH,10%,4514	

Electrical Parts List

[illegible][illegible]

[illegible][illegible]

Electrical Parts List

Loc. No.	Code No.	Description : Specification	Remark
....5	R087	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608
....5	R087	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608
....5	R087	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608
....5	R087	2007-000086	R-CHIP;5.6Kohm,5%,1/10W,TP,1608
....5	R087	2007-000086	R-CHIP;5.6Kohm,5%,1/10W,TP,1608
....5	R087	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608
....5	R087	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608
....5	R087	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608
....5	R087	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608
....5	R087	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608
....5	R087	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608
....5	R087	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608
....5	R087	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608
....5	R087	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608
....5	R087	2007-000092	R-CHIP;15Kohm,5%,1/10W,TP,1608
....5	R087	2007-000093	R-CHIP;20Kohm,5%,1/10W,TP,1608
....5	R087	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608
....5	R087	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608
....5	R087	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608
....5	R087	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608
....5	R087	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608
....5	R087	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608
....5	R087	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608
....5	R087	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608
....5	R087	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608
....5	R087	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608
....5	R087	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608
....5	R087	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608
....5	R087	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608
....5	R087	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608
....5	R087	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608
....5	R087	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608
....5	R087	2007-000098	R-CHIP;56Kohm,5%,1/10W,TP,1608
....5	R087	2007-000118	R-CHIP;390ohm,5%,1/10W,TP,1608
....5	R087	2007-000121	R-CHIP;820ohm,5%,1/10W,TP,1608
....5	R087	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608
....5	R087	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608
....5	R087	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608
....5	R087	2007-000124	R-CHIP;2.2Kohm,5%,1/10W,TP,1608
....5	R087	2007-000124	R-CHIP;2.2Kohm,5%,1/10W,TP,1608
....5	R087	2007-000124	R-CHIP;2.2Kohm,5%,1/10W,TP,1608
....5	R087	2007-000126	R-CHIP;4.3Kohm,5%,1/10W,TP,1608
....5	R087	2007-000132	R-CHIP;180Kohm,5%,1/10W,TP,1608
....5	R087	2007-000259	R-CHIP;1.6Kohm,5%,1/10W,TP,1608
....5	R087	2007-000290	R-CHIP;100ohm,5%,1/8W,TP,2012
....5	R087	2007-000299	R-CHIP;10Kohm,1%,1/4W,TP,3216
....5	R087	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608
....5	R087	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608
....5	R087	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608
....5	R087	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608
....5	R087	2007-000583	R-CHIP;22Kohm,1%,1/10W,TP,1608
....5	R087	2007-000691	R-CHIP;3.3Mohm,5%,1/10W,TP,1608
....5	R087	2007-000828	R-CHIP;39Kohm,1%,1/10W,TP,1608
....5	R087	2007-000857	R-CHIP;4.3Kohm,1%,1/10W,TP,1608
....5	R087	2007-000868	R-CHIP;4.7Kohm,1%,1/8W,TP,2012
....5	R087	2007-000868	R-CHIP;4.7Kohm,1%,1/8W,TP,2012
....5	R087	2007-000869	R-CHIP;4.7Kohm,1%,1/10W,TP,1608
....5	R087	2007-000931	R-CHIP;470ohm,5%,1/8W,TP,2012
....5	R087	2007-000939	R-CHIP;47Kohm,1%,1/10W,TP,1608
....5	R087	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608
....5	R087	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608
....5	R087	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608
....5	R087	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608
....5			

[illegible]

Electrical Parts List

Loc. No.	Code No.	Description : Specification	Remark
....5 C669	2402-000120	C-AL,SMD;100f,20%,50V,GP,TP,6.6X6.6X5.4M	
....5 C670	2402-000120	C-AL,SMD;100f,20%,50V,GP,TP,6.6X6.6X5.4M	
....5 C674	2402-000120	C-AL,SMD;100f,20%,50V,GP,TP,6.6X6.6X5.4M	
....5 C675	2402-000120	C-AL,SMD;100f,20%,50V,GP,TP,6.6X6.6X5.4M	
....5 C676	2402-000120	C-AL,SMD;100f,20%,50V,GP,TP,6.6X6.6X5.4M	
....5 C679	2402-000120	C-AL,SMD;100f,20%,50V,GP,TP,6.6X6.6X5.4M	
....5 C680	2402-000120	C-AL,SMD;100f,20%,50V,GP,TP,6.6X6.6X5.4M	
....5 C930	2402-000120	C-AL,SMD;100f,20%,50V,GP,TP,6.6X6.6X5.4M	
....5 C124	2402-000135	C-AL,SMD;22uf,20%,16V,GP,TP,5.3x5.3x5.4	
....5 C125	2402-000135	C-AL,SMD;22uf,20%,16V,GP,TP,5.3x5.3x5.4	
....5 C134	2402-000135	C-AL,SMD;22uf,20%,16V,GP,TP,5.3x5.3x5.4	
....5 C135	2402-000135	C-AL,SMD;22uf,20%,16V,GP,TP,5.3x5.3x5.4	
....5 C136	2402-000135	C-AL,SMD;22uf,20%,16V,GP,TP,5.3x5.3x5.4	
....5 C137	2402-000135	C-AL,SMD;22uf,20%,16V,GP,TP,5.3x5.3x5.4	
....5 C138	2402-000135	C-AL,SMD;22uf,20%,16V,GP,TP,5.3x5.3x5.4	
....5 C139	2402-000135	C-AL,SMD;22uf,20%,16V,GP,TP,5.3x5.3x5.4	
....5 C627	2402-000135	C-AL,SMD;22uf,20%,16V,GP,TP,5.3x5.3x5.4	
....5 C628	2402-000135	C-AL,SMD;22uf,20%,16V,GP,TP,5.3x5.3x5.4	
....5 C629	2402-000135	C-AL,SMD;22uf,20%,16V,GP,TP,5.3x5.3x5.4	
....5 C630	2402-000135	C-AL,SMD;22uf,20%,16V,GP,TP,5.3x5.3x5.4	
....5 FC06	2402-000135	C-AL,SMD;22uf,20%,16V,GP,TP,5.3x5.3x5.4	
....5 C685	2402-000147	C-AL,SMD;33uf,20%,25V,-,TP,6.3x5.2,-	
....5 C149	2402-000170	C-AL,SMD;1uf,20%,50V,GP,TP,4.3x4.3x5.4,	
....5 C684	2402-000170	C-AL,SMD;1uf,20%,50V,GP,TP,4.3x4.3x5.4,	
....5 FC09	2402-000170	C-AL,SMD;1uf,20%,50V,GP,TP,4.3x4.3x5.4,	
....5 FC29	2402-000173	C-AL,SMD;4.7uf,20%,35V,GP,TP,4.3x4.3x5.	
....5 FC60	2402-000173	C-AL,SMD;4.7uf,20%,35V,GP,TP,4.3x4.3x5.	
....5 C911	2402-000176	C-AL,SMD;10uf,20%,16V,GP,TP,4.3x4.3x5.4	
....5 C912	2402-000176	C-AL,SMD;10uf,20%,16V,GP,TP,4.3x4.3x5.4	
....5 C917	2402-000176	C-AL,SMD;10uf,20%,16V,GP,TP,4.3x4.3x5.4	
....5 EC85	2402-000176	C-AL,SMD;10uf,20%,16V,GP,TP,4.3x4.3x5.4	
....5 EC86	2402-000176	C-AL,SMD;10uf,20%,16V,GP,TP,4.3x4.3x5.4	
....5 FC65	2402-000176	C-AL,SMD;10uf,20%,16V,GP,TP,4.3x4.3x5.4	
....5 EC71	2402-000179	C-AL,SMD;47uf,20%,16V,GP,TP,6.6x6.6x5.4	
....5 EC74	2402-000179	C-AL,SMD;47uf,20%,16V,GP,TP,6.6x6.6x5.4	
....5 EC82	2402-000179	C-AL,SMD;47uf,20%,16V,GP,TP,6.6x6.6x5.4	
....5 FC66	2402-000179	C-AL,SMD;47uf,20%,16V,GP,TP,6.6x6.6x5.4	
....5 MC835	2402-000179	C-AL,SMD;47uf,20%,16V,GP,TP,6.6x6.6x5.4	
....5 SC31	2402-000179	C-AL,SMD;47uf,20%,16V,GP,TP,6.6x6.6x5.4	
....5 SC34	2402-000179	C-AL,SMD;47uf,20%,16V,GP,TP,6.6x6.6x5.4	
....5 SC36	2402-000179	C-AL,SMD;47uf,20%,16V,GP,TP,6.6x6.6x5.4	
....5 SC38	2402-000179	C-AL,SMD;47uf,20%,16V,GP,TP,6.6x6.6x5.4	
....5 SC47	2402-000179	C-AL,SMD;47uf,20%,16V,GP,TP,6.6x6.6x5.4	
....5 SC66	2402-000179	C-AL,SMD;47uf,20%,16V,GP,TP,6.6x6.6x5.4	
....5 MC803	2402-001033	C-AL,SMD;220uf,20%,16V,GP,TP,8.3x8.3x10	
....5 MC804	2402-001033	C-AL,SMD;220uf,20%,16V,GP,TP,8.3x8.3x10	
....5 C690	2402-001034	C-AL,SMD;22uf,20%,35V,GP,TP,6.6X6.6X5.4	
....5 C913	2402-001042	C-AL,SMD;100uf,20%,16V,GP,TP,6.6x6.6x5.4	
....5 C915	2402-001042	C-AL,SMD;100uf,20%,16V,GP,TP,6.6x6.6x5.4	
....5 C918	2402-001042	C-AL,SMD;100uf,20%,16V,GP,TP,6.6x6.6x5.4	
....5 C921	2402-001042	C-AL,SMD;100uf,20%,16V,GP,TP,6.6x6.6x5.4	
....5 C936	2402-001042	C-AL,SMD;100uf,20%,16V,GP,TP,6.6x6.6x5.4	
....5 FC04	2402-001042	C-AL,SMD;100uf,20%,16V,GP,TP,6.6x6.6x5.4	
....5 FC12	2402-001042	C-AL,SMD;100uf,20%,16V,GP,TP,6.6x6.6x5.4	
....5 FC45	2402-001042	C-AL,SMD;100uf,20%,16V,GP,TP,6.6x6.6x5.4	
....5 FC62	2402-001042	C-AL,SMD;100uf,20%,16V,GP,TP,6.6x6.6x5.4	
....5 FC63	2402-001042	C-AL,SMD;100uf,20%,16V,GP,TP,6.6x6.6x5.4	
....5 MC829	2402-001042	C-AL,SMD;100uf,20%,16V,GP,TP,6.6x6.6x5.4	
....5 MC830	2402-001042	C-AL,SMD;100uf,20%,16V,GP,TP,6.6x6.6x5.4	
....5 MC831	2402-001042	C-AL,SMD;100uf,20%,16V,GP,TP,6.6x6.6x5.4	
....5 SC11	2402-001042	C-AL,SMD;100uf,20%,16V,GP,TP,6.6x6.6x5.4	
....5 SC16	2402-001042	C-AL,SMD;100uf,20%,16V,GP,TP,6.6x6.6x5.4	
....5 SC18	2402-001042	C-AL,SMD;100uf,20%,16V,GP,TP,6.6x6.6x5.4	
....5 C102	2402-001044	C-AL,SMD;100uf,20%,25V,GP,TP,8.3X8.3X6.3	
....5 FC31	2402-001070	C-AL,SMD;470uf,20%,16V,GP,TP,10x10.2,-	
....5 C103	2402-001083	C-AL,SMD;100uf,20%,50V,GP,TP,10x10.3x10	
....5 C642	2402-001140	C-AL,SMD;4.7UF,-,50V,GP,TP,4.3X4.3X5.3MM	
....5 C645	2402-001140	C-AL,SMD;4.7UF,-,50V,GP,TP,4.3X4.3X5.3MM	
....5 C646	2402-001140	C-AL,SMD;4.7UF,-,50V,GP,TP,4.3X4.3X5.3MM	
....5 C647	2402-001140	C-AL,SMD;4.7UF,-,50V,GP,TP,4.3X4.3X5.3MM	
....5 C648	2402-001140	C-AL,SMD;4.7UF,-,50V,GP,TP,4.3X4.3X5.3MM	
....5 C649	2402-001140	C-AL,SMD;4.7UF,-,50V,GP,TP,4.3X4.3X5.3MM	
....5 C650	2402-001140	C-AL,SMD;4.7UF,-,50V,GP,TP,4.3X4.3X5.3MM	
....5 C633	2402-001145	C-AL,CHIP;47UF,20%,50V,GP,TP,6.3X7.7MM	
....5 C653	2402-001145	C-AL,CHIP;47UF,20%,50V,GP,TP,6.3X7.7MM	
....5 C656	2402-001145	C-AL,CHIP;47UF,20%,50V,GP,TP,6.3X7.7MM	
....5 C662	2402-001145	C-AL,CHIP;47UF,20%,50V,GP,TP,6.3X7.7MM	

[illegible]

Loc. No.	Code No.	Description ; Specification	Remark	
....4	IC012	1203-000165	IC-POS1.ADJUST REG.;78R12,TO-220,4P,-,PL	
....4	T0081	6003-000335	SCREW-TAPTITE;RH,+,2S,M3,L8,ZPC(YEL),SWR	S.N.A
△....4		AA62-00045A	HEAT SINK-PS;-,-,T1.0,-,-,DREAM,-,-,-,-,	S.N.A
....4	D801S	AA96-00276A	ASSY H/S;-,-,BRIDGE,AA62-00052A,RBV606,WAS	S.N.A
....3		0205-001153	GREASE-SILICON;SC102,JAPAN,-	S.N.A
....4	T0083	0402-000549	DIODE-BRIDGE;RBV606,600V,6A,SIP-4,BK	
....4	T0081	6003-000335	SCREW-TAPTITE;RH,+,2S,M3,L8,ZPC(YEL),SWR	S.N.A
....4		AA60-30003A	WASHER;T1.5,SBHG-1	S.N.A
....4		AA62-00052A	HEAT SINK-PS;-,-,-,SILVER,HOLE 18.5mm, 2	S.N.A
....3	IC301	AA96-00623A	ASSY H/S;-,-,POWER,AA62-00056A,LA7845	S.N.A
....4		0205-001153	GREASE-SILICON;SC102,JAPAN,-	S.N.A
....4	T0088	1204-000517	IC-VERTICAL DEF.;LA7845,SIP7P,-,PLASTIC	
....4	T0081	6003-000334	SCREW-TAPTITE;RH,+,2S,M3,L6,ZPC(YEL),SWR	S.N.A
....4		AA62-00056A	HEAT SINK-PS;-,-,T1.0,-,41*35*70,D2,-,-,	S.N.A
△....3	TS801S	BN26-00004A	TRANS SWITCHING-DPMSE;EE 2020,LCD-TV,400V	
△....3	T801S	BP26-00002B	TRANS SWITCHING-MAIN;VD074-04,CHAMP,400V	
....3	T0616	BP26-00015A	TRANS FBT;FFA61513L,P60A/Omega-PJT,1.93m	
....3	T301	BP26-00016A	TRANS-FOCUS;P60A,SVP-4202HL,10 pin,2.2mH	
....3	M2893	BP39-00092A	LEAD CONNECTOR;P58A,1007#26,UL/CSA,15P;1	
....3	M2893	BP39-00092A	LEAD CONNECTOR;P58A,1007#26,UL/CSA,15P;1	
....3	M2893	BP39-00109C	LEAD CONNECTOR;SVP-43W6,UL1007#22,UL/CSA	
....3	M2893	BP39-00122A	LEAD CONNECTOR;P60A,UL1617#22,UL/CSA,6I4	
....3	M2893	BP39-00136A	LEAD CONNECTOR;P60A,UL1007#26,UL/CSA,10P	
△....4	D851	BP96-00020U	ASSY HEAT SINK P;AA62-00045A,SCREW,FML-G	S.N.A
....4	H/S	0205-001154	OIL-SILICON;G746,-,-	S.N.A
....4	T0083	0402-000233	DIODE-RECTIFIER;FML-G12S,200V,5A,-,-	
....4	T0081	6003-000335	SCREW-TAPTITE;RH,+,2S,M3,L8,ZPC(YEL),SWR	S.N.A
....4	H/S	AA62-00045B	HEAT SINK;COMMANDO,LA1050,T1.0,H45.0	S.N.A
....3	Q401	BP96-00159A	ASSY HEAT SINK P;H/S,SCREW,FJL6920,FMP-3	S.N.A
....4	T0083	0402-001296	DIODE-RECTIFIER;FMP-3FU,1.5KV,5A,DO-201A	
....4	T0090	0502-001230	TR-POWER;FJL6920DYTN,2,20000MW,TO-264 F	
....4	T0081	6003-000333	SCREW-TAPTITE;RH,+,2S,M3,L10,ZPC(YEL),SW	S.N.A
....4	CIS	BH73-00028B	SILICON/RUBBER-HS;TV ALL,SILICON,26*30*T	S.N.A
....4	CIS	BF62-00015A	HEAT SINK-PS;WT-3624HR,A1050S,T2.0,86,80	S.N.A
....4	CIS	0205-001154	OIL-SILICON;G746,-,-	S.N.A
....4	CIS	AA60-30001A	WASHER-PLATE;M3,IJ03.5,15X8.5,T1.0,SBHG	S.N.A
△....3	D808	BP96-00335D	ASSY HEAT SINK P;BP62-00035A,SCREW,SLA10	S.N.A
....4	H/S	0205-001154	OIL-SILICON;G746,-,-	S.N.A
....4	T0083	0402-001596	DIODE-RECTIFIER;SLA1004,200/700,3.5A,-,-S	
....4	T0081	6003-000333	SCREW-TAPTITE;RH,+,2S,M3,L10,ZPC(YEL),SW	S.N.A
....4	H/S	BP62-00035A	HEAT SINK-PS;P57A,A1050S,T2.0,12.5,66,H8	S.N.A
....3		BP97-00678A	ASSY AUTO;HCP4241WX/XAA,P60A	S.N.A
△....4	CISS	0401-000005	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
△....4	CISS	0401-000005	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
△....4	CISS	0401-000005	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
△....4	CISS	0401-000005	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
△....4	CISS	0401-000005	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
△....4	CISS	0401-000005	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
△....4	CISS	0401-000005	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
△....4	CISS	0401-000005	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
△....4	CISS	0401-000005	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
△....4	CISS	0401-000006	DIODE-SWITCHING;BAV21,250V,200MA,DO-35,T	
△....4	CISS	0401-000006	DIODE-SWITCHING;BAV21,250V,200MA,DO-35,T	
△....4	CISS	0401-000006	DIODE-SWITCHING;BAV21,250V,200MA,DO-35,T	
△....4	CISS	0401-000006	DIODE-SWITCHING;BAV21,250V,200MA,DO-35,T	
....4	T0083	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
....4	T0083	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
....4	T0083	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
....4	T0083	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
....4	T0083	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
....4	T0083	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
....4	T0083	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
....4	T0083	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
....4	T0083	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
....4	T0083	0402-000493	DIODE-RECTIFIER;1R5GU41,400V,1.5A,DO-15L	
....4	T0083	0402-000493	DIODE-RECTIFIER;1R5GU41,400V,1.5A,DO-15L	
....4	T0083	0402-000537	DIODE-RECTIFIER;RH1A,600V,0.6A,DO-204AC	
....4	T0083	0402-000540	DIODE-RECTIFIER;RU20A,600V,1.5A,-,-,TP	
....4	T0083	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
....4	T0083	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
....4	T0083	0402-001286	DIODE-RECTIFIER;RP1H,2000V,0.1A,TO-3P,TP	
....4	DZ016	0403-000367	DIODE-ZENER;UZ7.5BSC,7.3-7.7V,500MW,DO-3	
....4	DZ016	0403-000367	DIODE-ZENER;UZ7.5BSC,7.3-7.7V,500MW,DO-3	
....4	DZ016	0403-000699	DIODE-ZENER;TZP27B,27-30.8V,1000MW,DO-41	
....4	DZ016	0403-000699	DIODE-ZENER;TZP27B,27-30.8V,1000MW,DO-41	
....4	DZ016	0403-000704	DIODE-ZENER;TZP7.5B,7.5-8.4V,1000MW,DO-4	
....4	DZ016	0403-000704	DIODE-ZENER;TZP7.5B,7.5-8.4V,1000MW,DO-4	

[illegible]

Electrical Parts List

Loc. No.	Code No.	Description ; Specification	Remark	
....4	C598	2201-000163	C-CERAMIC,DISC;10NF,+80-20%,50V,Y5V,TP,7	
....4	C598	2201-000234	C-CERAMIC,DISC;0.15NF,5%,50V,C0G,TP,9X3M	
....4	C598	2201-000281	C-CERAMIC,DISC;1NF,+80-20%,50V,Y5V,TP,5X	
....4	C598	2201-000332	C-CERAMIC,DISC;2.2NF,20%,250V,Y5U,TP,9X4	
....4	C598	2201-000332	C-CERAMIC,DISC;2.2NF,20%,250V,Y5U,TP,9X4	
....4	C598	2201-000332	C-CERAMIC,DISC;2.2NF,20%,250V,Y5U,TP,9X4	
....4	C598	2201-000376	C-CERAMIC,DISC;0.22NF,5%,50V,SL,TP,6.3X3	
....4	C598	2201-000406	C-CERAMIC,DISC;0.27NF,10%,2KV,Y5P,TP,6.3	
....4	C598	2201-000406	C-CERAMIC,DISC;0.27NF,10%,2KV,Y5P,TP,6.3	
....4	C598	2201-000516	C-CERAMIC,DISC;4.7NF,+100-0%,500V,Y5U,TP	
....4	C598	2201-000551	C-CERAMIC,DISC;0.47NF,10%,1KV,Y5P,TP,6.3	
....4	C598	2201-000556	C-CERAMIC,DISC;0.47NF,10%,500V,Y5P,TP,5	
....4	C598	2201-000556	C-CERAMIC,DISC;0.47NF,10%,500V,Y5P,TP,5	
....4	C598	2201-000556	C-CERAMIC,DISC;0.47NF,10%,500V,Y5P,TP,5	
....4	C598	2201-000556	C-CERAMIC,DISC;0.47NF,10%,500V,Y5P,TP,5	
....4	C598	2201-000556	C-CERAMIC,DISC;0.47NF,10%,500V,Y5P,TP,5	
....4	C598	2201-000556	C-CERAMIC,DISC;0.47NF,10%,500V,Y5P,TP,5	
....4	C598	2201-000556	C-CERAMIC,DISC;0.47NF,10%,500V,Y5P,TP,5	
....4	C598	2201-002028	C-CERAMIC,DISC;0.47NF,10%,2KV,Y5P,TP,7.5	
....4	C689	2202-000121	C-CERAMIC,MLC-AXIAL;100pf,10%,50V,Y5P,TP	
....4	C689	2202-000121	C-CERAMIC,MLC-AXIAL;100pf,10%,50V,Y5P,TP	
....4	C689	2202-000121	C-CERAMIC,MLC-AXIAL;100pf,10%,50V,Y5P,TP	
....4	C689	2202-000121	C-CERAMIC,MLC-AXIAL;100pf,10%,50V,Y5P,TP	
....4	C689	2202-000121	C-CERAMIC,MLC-AXIAL;100pf,10%,50V,Y5P,TP	
....4	C689	2202-000205	C-CERAMIC,MLC-AXIAL;22pf,5%,50V,SL,TP,1	
....4	C689	2202-000205	C-CERAMIC,MLC-AXIAL;22pf,5%,50V,SL,TP,1	
....4	C689	2202-000205	C-CERAMIC,MLC-AXIAL;22pf,5%,50V,SL,TP,1	
....4	C689	2202-000205	C-CERAMIC,MLC-AXIAL;22pf,5%,50V,SL,TP,1	
....4	C689	2202-000205	C-CERAMIC,MLC-AXIAL;22pf,5%,50V,SL,TP,1	
....4	CZ126	2202-000561	C-CERAMIC,MLC-RADIAL;0.68NF,5%,50V,C0G,T	
....4	C866	2202-000654	C-CERAMIC,MLC-RADIAL;100nf,10%,50V,X7R,T	
....4	C868	2202-000654	C-CERAMIC,MLC-RADIAL;100nf,10%,50V,X7R,T	
....4	C689	2202-000825	C-CERAMIC,MLC-AXIAL;680pf,10%,50V,Y5P,TP	
....4	C689	2202-000825	C-CERAMIC,MLC-AXIAL;680pf,10%,50V,Y5P,TP	
....4	C689	2202-000825	C-CERAMIC,MLC-AXIAL;680pf,10%,50V,Y5P,TP	
....4	C689	2202-000825	C-CERAMIC,MLC-AXIAL;680pf,10%,50V,Y5P,TP	
....4	C689	2202-000825	C-CERAMIC,MLC-AXIAL;680pf,10%,50V,Y5P,TP	
....4	C689	2202-000825	C-CERAMIC,MLC-AXIAL;680pf,10%,50V,Y5P,TP	
....4	C689	2202-000863	C-CERAMIC,MLC-AXIAL;560pf,10%,50V,Y5P,TP	
....4	C689	2202-000863	C-CERAMIC,MLC-AXIAL;560pf,10%,50V,Y5P,TP	
....4	C689	2202-000863	C-CERAMIC,MLC-AXIAL;560pf,10%,50V,Y5P,TP	
....4	C689	2202-000863	C-CERAMIC,MLC-AXIAL;560pf,10%,50V,Y5P,TP	
....4	C689	2202-000863	C-CERAMIC,MLC-AXIAL;560pf,10%,50V,Y5P,TP	
....4	C2560	2301-000175	C-FILM,LEAD-PEF;15nf,5%,50V,TP,1x3.5x1	
....4	C2560	2301-000188	C-FILM,LEAD-PEF;1nf,5%,100V,TP,10.5x12.5	
....4	C2560	2301-000188	C-FILM,LEAD-PEF;1nf,5%,100V,TP,10.5x12.5	
....4	C2560	2301-000192	C-FILM,LEAD-PEF;1nf,5%,50V,TP,5.3x10mm,5	
....4	C2560	2301-000213	C-FILM,LEAD-PEF;220nf,5%,250V,TP,21.5x11	
....4	C2560	2301-000224	C-FILM,LEAD-PEF;22nf,5%,50V,TP,7.4x3.9x1	
....4	C2560	2301-000356	C-FILM,LEAD-PEF;47nf,5%,50V,TP,7.5x4.0x6	
....4	C2560	2301-000356	C-FILM,LEAD-PEF;47nf,5%,50V,TP,7.5x4.0x6	
....4	C2560	2301-000445	C-FILM,LEAD-PEF;4.7nf,5%,50V,TP,5.5x7x3m	
....4	C2560	2301-000445	C-FILM,LEAD-PEF;4.7nf,5%,50V,TP,5.5x7x3m	
....4	C403	2301-001194	C-FILM,LEAD-PPF;470nf,5%,250V,TP,18x16x8	
....4	C831	2301-001216	C-FILM,LEAD-PPF;47nf,5%,630V,TP,20x14.5x	
....4	C811	2301-001342	C-FILM,LEAD-PPF;1.5nf,5%,800V,TP,15x6.5x	
△	4	C413S	2301-001686	C-FILM,PEF;2.0nf,3%,200V/bk,20x12.5x6.5
△	4	C409S	2303-000002	C-FILM,LEAD-PPF;8.2nf,5% 400V TP,19X18X7
....4	C2560	2305-000149	C-FILM,LEAD-PEF;100nf,5%,100V,TP,12x12.5	
....4	C2560	2305-000178	C-FILM,LEAD-PEF;10nf,5%,100V,TP,;5mm	
....4	C2560	2305-000285	C-FILM,LEAD-PEF;220NF,5%,100V,TP,10.5X5.	
....4	C2560	2305-000289	C-FILM,LEAD-PEF;220NF,5%,63V,TP,;5mm	
....4	C2560	2305-000289	C-FILM,LEAD-PEF;220nf,5%,63V,TP,;5mm	
....4	C2560	2305-000407	C-FILM,LEAD-PEF;470nf,5%,100V,TP,;5mm	
....4	C2560	2305-000412	C-FILM,LEAD-PEF;470nf,5%,63V,TP,;5mm	
....4	C2560	2305-000665	C-FILM,LEAD-PEF;100nf,5%,63V,TP,7.5x4.0x	
....4	C2560	2305-000704	C-FILM,LEAD-PEF;100nf,5%,250V,TP,16.5x10	
....4	C407	2306-000122	C-FILM,LEAD-PPF;100nf,5%,50V,TP,7.3x4.0x	
....4	C2134	2306-000122	C-FILM,LEAD-PPF;100nf,5%,50V,TP,7.3x4.0x	
....4	C701	2401-000010	C-AL;220uF,20%,16V,GP;6.3x11mm,2	
....4	C701	2401-000025	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
....4	C701	2401-000050	C-AL;10uF,20%,16V,GP,TP,5x11,2.5	

Loc. No.	Code No.	Description ; Specification	Remark
....4	C701	2401-000142	C-AL; 1000uF,20%, 16V,WT,TP,10x20,5
....4	C701	2401-000215	C-AL; 0.1uF,20%, 50V,GP,TP,4X7MM,5
....4	C701	2401-000302	C-AL; 100uF,20%, 25V,GP,TP,6.3x11,5
....4	C701	2401-000302	C-AL; 100uF,20%, 25V,GP,TP,6.3x11,5
....4	C701	2401-000302	C-AL; 100uF,20%, 25V,GP,TP,6.3x11,5
....4	C701	2401-000360	C-AL; 100uF,20%, 50V,GP,TP,8x11,5,5
....4	C701	2401-000360	C-AL; 100uF,20%, 50V,GP,TP,8x11,5,5
....4	C701	2401-000360	C-AL; 100uF,20%, 50V,GP,TP,8x11,5,5
....4	C701	2401-000471	C-AL; 10uF,20%, 50V,BP,TP,5x11,5mm
....4	C701	2401-000480	C-AL; 10uF,20%, 50V,GP,TP,5x11,5
....4	C701	2401-000480	C-AL; 10uF,20%, 50V,GP,TP,5x11,5
....4	C701	2401-000603	C-AL; 1uF,20%, 50V,GP,TP,5X11,2
....4	C701	2401-000698	C-AL; 2200uF,20%, 16V,WT,TP, 12.5x25,5
....4	C701	2401-000703	C-AL; 2200uF,20%, 25V,GP,TP, 12.5x25mm,
....4	C701	2401-000852	C-AL; 220uF,20%, 35V,GP,TP,8x11.5mm,5
....4	C701	2401-000901	C-AL; 22uF,20%, 160V,GP,TP,10x20,5
....4	C701	2401-000925	C-AL; 22uF,20%, 250V,GP,TP,10x20mm,5m
....4	C701	2401-000962	C-AL; 22uF,20%, 50V,GP,TP,5x11,5
....4	C701	2401-001397	C-AL; 470uF,20%, 25V,GP,TP,10x16,5
....4	C701	2401-001397	C-AL; 470uF,20%, 25V,GP,TP,10x16,5
....4	C701	2401-001397	C-AL; 470uF,20%, 25V,GP,TP,10x16,5
....4	C701	2401-001428	C-AL; 470uF,20%, 50V,GP,TP,10x20,5
....4	C701	2401-001428	C-AL; 470uF,20%, 50V,GP,TP,10x20,5
....4	C701	2401-002144	C-AL; 47uF,20%, 16V,GP,TP,5x11,5
....4	C701	2401-002300	C-AL; 47uF,20%, 50V,GP,TP,6.3x11,5
....4	C701	2401-002300	C-AL; 47uF,20%, 50V,GP,TP,6.3x11,5
....4	C701	2401-003314	C-AL; 4.7uF,20%, 250V,WT,TP,10x16,5
....4	C701	2401-003473	C-AL; 680uF,20%, 16V,GP,TP,10X12.5MM,5
....4	LZ101	2701-000142	INDUCTOR-AXIAL; 1uH,10%, 2534
....4	LZ102	2701-000142	INDUCTOR-AXIAL; 1uH,10%, 2534
....4	LZ103	2701-000142	INDUCTOR-AXIAL; 1uH,10%, 2534
....4	LZ104	2701-000142	INDUCTOR-AXIAL; 1uH,10%, 2534
....4	LZ105	2701-000142	INDUCTOR-AXIAL; 1uH,10%, 2534
....4	LZ106	2701-000142	INDUCTOR-AXIAL; 1uH,10%, 2534
....4	LS804	2701-001040	INDUCTOR-AXIAL; 10uH,10%, 4514
....4	F101	2901-000297	FILTER-EMI ON BOARD; -3A,-,-,3.5x5,TP,
....4	F101	2901-000297	FILTER-EMI ON BOARD; -3A,-,-,3.5x5,TP,
....4	F101	2901-000297	FILTER-EMI ON BOARD; -3A,-,-,3.5x5,TP,
....4	F101	2901-000297	FILTER-EMI ON BOARD; -3A,-,-,3.5x5,TP,
....4	F101	2901-000297	FILTER-EMI ON BOARD; -3A,-,-,3.5x5,TP,
....4	F101	2901-000297	FILTER-EMI ON BOARD; -3A,-,-,3.5x5,TP,
....4	F101	2901-000297	FILTER-EMI ON BOARD; -3A,-,-,3.5x5,TP,
....4	F101	2901-000297	FILTER-EMI ON BOARD; -3A,-,-,3.5x5,TP,
....4	F101	2901-000297	FILTER-EMI ON BOARD; -3A,-,-,3.5x5,TP,
....4	F101	2901-000297	FILTER-EMI ON BOARD; -3A,-,-,3.5x5,TP,
....4	L2514	3301-000287	BEAD-AXIAL; 3,5x1.0x6.0mm,3000mA,TP,,50
....4	L2514	3301-000287	BEAD-AXIAL; 3,5x1.0x6.0mm,3000mA,TP,,50
....4	L2514	3301-000287	BEAD-AXIAL; 3,5x1.0x6.0mm,3000mA,TP,,50
....4	L2514	3301-000287	BEAD-AXIAL; 3,5x1.0x6.0mm,3000mA,TP,,50
△....4	FD801S	3601-001064	FUSE-AXIAL LEAD;125V,4A,FAST-ACTING,GLAS
△....4	FD802S	3601-001086	FUSE-AXIAL LEAD;125V,5A,FAST-ACTING,GLAS
△....4	FD804S	3601-001086	FUSE-AXIAL LEAD;125V,5A,FAST-ACTING,GLAS
△....4	FD805S	3601-001086	FUSE-AXIAL LEAD;125V,5A,FAST-ACTING,GLAS
....4	EL13	6042-000001	EYELET;ID2.2,0D2.7,L3.1,Ni+SN,BSP3-1/2H
....4	EL14	6042-000001	EYELET;ID2.2,0D2.7,L3.1,Ni+SN,BSP3-1/2H
....4	EL42	6042-000001	EYELET;ID2.2,0D2.7,L3.1,Ni+SN,BSP3-1/2H
....4	EL43	6042-000001	EYELET;ID2.2,0D2.7,L3.1,Ni+SN,BSP3-1/2H
....4	EL44	6042-000001	EYELET;ID2.2,0D2.7,L3.1,Ni+SN,BSP3-1/2H
....4	EL45	6042-000001	EYELET;ID2.2,0D2.7,L3.1,Ni+SN,BSP3-1/2H
....4	EL46	6042-000001	EYELET;ID2.2,0D2.7,L3.1,Ni+SN,BSP3-1/2H
....4	EL47	6042-000001	EYELET;ID2.2,0D2.7,L3.1,Ni+SN,BSP3-1/2H
....4	EL48	6042-000001	EYELET;ID2.2,0D2.7,L3.1,Ni+SN,BSP3-1/2H
....4	EL82	6042-000001	EYELET;ID2.2,0D2.7,L3.1,Ni+SN,BSP3-1/2H
....4	EL83	6042-000001	EYELET;ID2.2,0D2.7,L3.1,Ni+SN,BSP3-1/2H
....4	EL84	6042-000001	EYELET;ID2.2,0D2.7,L3.1,Ni+SN,BSP3-1/2H
....4	EL93	6042-000001	EYELET;ID2.2,0D2.7,L3.1,Ni+SN,BSP3-1/2H
....4	EL94	6042-000001	EYELET;ID2.2,0D2.7,L3.1,Ni+SN,BSP3-1/2H
....4	EY10	6042-000002	EYELET;ID1.5,0D2,L2.8,Ni+SN,BSP3-1/2H
....4	EY101	6042-000002	EYELET;ID1.5,0D2,L2.8,Ni+SN,BSP3-1/2H
....4	EY102	6042-000002	EYELET;ID1.5,0D2,L2.8,Ni+SN,BSP3-1/2H
....4	EY103	6042-000002	EYELET;ID1.5,0D2,L2.8,Ni+SN,BSP3-1/2H
....4	EY104	6042-000002	EYELET;ID1.5,0D2,L2.8,Ni+SN,BSP3-1/2H
....4	EY107	6042-000002	EYELET;ID1.5,0D2,L2.8,Ni+SN,BSP3-1/2H
....4	EY108	6042-000002	EYELET;ID1.5,0D2,L2.8,Ni+SN,BSP3-1/2H

Loc. No.	Code No.	Description ; Specification	Remark
....4	EL511	6042-000001 EYELET;ID2.2,OD2.7,L3.1,NI+SN,BSP3-1/2H	S.N.A
....4	EL512	6042-000001 EYELET;ID2.2,OD2.7,L3.1,NI+SN,BSP3-1/2H	S.N.A
....4	EL513	6042-000001 EYELET;ID2.2,OD2.7,L3.1,NI+SN,BSP3-1/2H	S.N.A
....4	EL514	6042-000001 EYELET;ID2.2,OD2.7,L3.1,NI+SN,BSP3-1/2H	S.N.A
....4	EL515	6042-000001 EYELET;ID2.2,OD2.7,L3.1,NI+SN,BSP3-1/2H	S.N.A
....4	EL508	6042-000001 EYELET;ID2.2,OD2.7,L3.1,NI+SN,BSP3-1/2H	S.N.A
....4	EL501	6042-000001 EYELET;ID2.2,OD2.7,L3.1,NI+SN,BSP3-1/2H	S.N.A
....4	EL502	6042-000001 EYELET;ID2.2,OD2.7,L3.1,NI+SN,BSP3-1/2H	S.N.A
....4	EL503	6042-000001 EYELET;ID2.2,OD2.7,L3.1,NI+SN,BSP3-1/2H	S.N.A
....4	EL504	6042-000001 EYELET;ID2.2,OD2.7,L3.1,NI+SN,BSP3-1/2H	S.N.A
....4	EL505	6042-000001 EYELET;ID2.2,OD2.7,L3.1,NI+SN,BSP3-1/2H	S.N.A
....4	EL506	6042-000001 EYELET;ID2.2,OD2.7,L3.1,NI+SN,BSP3-1/2H	S.N.A
....4	EL507	6042-000001 EYELET;ID2.2,OD2.7,L3.1,NI+SN,BSP3-1/2H	S.N.A
....4	SG562	AA27-00084A COIL;S-23,-,-,-,-,-,S-23,5000Mohm MIN,	S.N.A
....4	SG532	AA27-00084A COIL;S-23,-,-,-,-,-,S-23,5000Mohm MIN,	S.N.A
....4	SG502	AA27-00084A COIL;S-23,-,-,-,-,-,S-23,5000Mohm MIN,	S.N.A
....4	PCB	AA41-00986A PCB CRT;SVP-42Q2HR,CRT,1L,A,1.6T,245*330	S.N.A
....4	GT540	AA60-40014A PIN-GT,ASSY;AUTO	S.N.A
....4	GT535	AA60-40014A PIN-GT,ASSY;AUTO	S.N.A
....4	GT534	AA60-40014A PIN-GT,ASSY;AUTO	S.N.A
....4	GT562	AA60-40014A PIN-GT,ASSY;AUTO	S.N.A
....4	GT563	AA60-40014A PIN-GT,ASSY;AUTO	S.N.A
....4	GT564	AA60-40014A PIN-GT,ASSY;AUTO	S.N.A
....4	GT570	AA60-40014A PIN-GT,ASSY;AUTO	S.N.A
....4	GT502	AA60-40014A PIN-GT,ASSY;AUTO	S.N.A
....4	GT503	AA60-40014A PIN-GT,ASSY;AUTO	S.N.A
....4	GT504	AA60-40014A PIN-GT,ASSY;AUTO	S.N.A
....4	GT510	AA60-40014A PIN-GT,ASSY;AUTO	S.N.A
....4	GT532	AA60-40014A PIN-GT,ASSY;AUTO	S.N.A
....4	GT533	AA60-40014A PIN-GT,ASSY;AUTO	S.N.A
....4	R513	2008-000252 R-FUSIBLE(S);0.47ohm,10%,1/2W,AF,TP,2.5x	S.N.A
....4	R543	2008-000252 R-FUSIBLE(S);0.47ohm,10%,1/2W,AF,TP,2.5x	S.N.A
....4	R573	2008-000252 R-FUSIBLE(S);0.47ohm,10%,1/2W,AF,TP,2.5x	S.N.A
....4	R075	2001-001050 R-CARBON(S);1.5KOHM,5%,1/2W,AA,TP,2.4X6.	S.N.A
....4	R075	2001-001050 R-CARBON(S);1.5KOHM,5%,1/2W,AA,TP,2.4X6.	S.N.A
....4	R075	2001-001050 R-CARBON(S);1.5KOHM,5%,1/2W,AA,TP,2.4X6.	S.N.A
....4	L501	2701-000168 INDUCTOR-AXIAL;3.3UH,5%,2534	S.N.A
....4	L531	2701-000168 INDUCTOR-AXIAL;3.3UH,5%,2534	S.N.A
....4	L561	2701-000168 INDUCTOR-AXIAL;3.3UH,5%,2534	S.N.A
....3	M2893	BP39-00051B LEAD CONNECTOR;J60A,UL1007#22,UL/CSA,8P	S.N.A
....3	M2893	MD39-00096C LEAD CONNECTOR;J60A,UL1007#26,UL/CSA,14P	S.N.A
....3	C701	2401-001271 C-AL;4.7uF,20%,50V,GP,TP,4x7mm,5mm	S.N.A

ASSY COVER FRONT

1	M0001	BP90-00207C	ASSY COVER FRONT;HCP4241WX/XAA,P60A	S.N.A
..2	T0081	6002-000522	SCREW-TAPPING;TH,+,2,M4,L15,ZPC(BLK),SWR	S.N.A
..2	T0081	6002-000522	SCREW-TAPPING;TH,+,2,M4,L15,ZPC(BLK),SWR	S.N.A
..2	T0081	6002-000522	SCREW-TAPPING;TH,+,2,M4,L15,ZPC(BLK),SWR	S.N.A
..2	T0081	6003-001026	SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK),SWR	S.N.A
..2	T0081	6003-001026	SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK),SWR	S.N.A
..2	T0081	6003-001026	SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK),SWR	S.N.A
..2	T0081	6003-001026	SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK),SWR	S.N.A
..2	T0081	6003-001026	SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK),SWR	S.N.A
..2	T0081	6003-001026	SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK),SWR	S.N.A
..2	T0081	6003-001026	SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK),SWR	S.N.A
..2	T0081	6003-001026	SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK),SWR	S.N.A
..2	T0081	6003-001339	SCREW-TAPTITE;HH,+,B,M4,L15,ZPC(BLK),SWR	S.N.A
..2	T0081	6003-001339	SCREW-TAPTITE;HH,+,B,M4,L15,ZPC(BLK),SWR	S.N.A
..2	T0081	6003-001339	SCREW-TAPTITE;HH,+,B,M4,L15,ZPC(BLK),SWR	S.N.A
..2	T0600	AA60-00072B	SPACER COVER,DUST;43,54,62J9,SPONGE 94HF	S.N.A
..2	T0081	AA60-10011A	SCREW-TAPTITE;-SWRCH18A,M4,L12,HH,+,PC,	S.N.A
..2	T0081	AA60-10011A	SCREW-TAPTITE;-SWRCH18A,M4,L12,HH,+,PC,	S.N.A
..2	T0081	AA60-10011A	SCREW-TAPTITE;-SWRCH18A,M4,L12,HH,+,PC,	S.N.A
..2	T0053	AA67-00193B	SCREEN FRESNEL;42W,960*552,T=2.0	S.N.A
..2	T0110	AA67-00207B	SUN SCREEN-AG;SUN SCREEN,AG,960*552,2,T	S.N.A
..2	T0118	BP26-00004A	TRANS FBT-H/V DISTRIBUTOR;FUW50A002B/FFA	S.N.A
..2	T0245	BP39-00009A	LEAD CONNECTOR-ASSY;P54A/SVP-42W5,UL2547	S.N.A
..2		BP61-00023E	BRACKET-SCREEN,ASSY(TOP);42W5,SECC,T1.0	S.N.A
..3	T0069	AA60-00091J	SPACER-FELT;-FELT,330X10,-,-,BLK,T0.5,-	S.N.A
..3	T0254	AA61-01121A	BRACKET-SCREEN,TB;42W5,SECC,T1.0	S.N.A
..3	T0559	BP61-00043B	HOLDER-SENSOR;W9,PC HB,VIOLET	S.N.A
..3		BP61-00052A	HOLDER-WIRE;PJT,V,NYLON,66,NATURAL	S.N.A
..2		BP61-00024E	BRACKET-SCREEN,ASSY(BOT);42W5,SECC,T1.0,	S.N.A

Loc. No.	Code No.	Description ; Specification	Remark
...3	T0069	AA60-00091J SPACER-FELT;-FELT,330X10,-,-,BLK,T0.5,-	S.N.A
...3		AA65-00020A CLAMPER CORE-WIRE;55W9,NYLON 66	S.N.A
...3	T0559	BP61-00043B HOLDER-SENSOR;W9,PC HB,VIOLET	S.N.A
...3		BP61-00052A HOLDER-WIRE;PJT,V,NYLON,66,NATURAL	S.N.A
...3	T0254	AA61-01121A BRACKET-SCREEN,TB;42W5,SECC,T1.0	S.N.A
..2		BP61-00025D BRACKET-SCREEN,ASSY(R);42W5,SECC,T1.0,NE	S.N.A
...3	T0056	AA61-01122A BRACKET-SCREEN,RL;42W5,SECC,T1.0	S.N.A
...3	T0559	BP61-00043B HOLDER-SENSOR;W9,PC HB,VIOLET	S.N.A
...3		BP61-00052A HOLDER-WIRE;PJT,V,NYLON,66,NATURAL	S.N.A
..2		BP61-00026D BRACKET-SCREEN,ASSY(L);42W5,SECC,T1.0,NE	S.N.A
...3	T0056	AA61-01122A BRACKET-SCREEN,RL;42W5,SECC,T1.0	S.N.A
...3	T0559	BP61-00043B HOLDER-SENSOR;W9,PC HB,VIOLET	S.N.A
...3		AA65-00020A CLAMPER CORE-WIRE;55W9,NYLON 66	S.N.A
...3		BP61-00052A HOLDER-WIRE;PJT,V,NYLON,66,NATURAL	S.N.A
..2	T0382	BP61-00492A HOLDER-CARE;PJT,ACRYL-FOAM,T0.25,W50.0mm	S.N.A
..2		BP64-00333C MASK-FRONT;42Q2,HIPS,HB,GR503,SV012P,SEA	S.N.A
...3	T0382	BP61-00509A HOLDER-CARE;PJT,ACRYL-FOAM,T0.25,W20.0mm	S.N.A
..2	T0054	BP67-00104A SCREEN LENTI;SCREEN-LENTI,958X550,T=0.76	S.N.A
..2	T0071	BP96-00451D ASSY COVER P-FRONT BOT;42Q2,HIPS,V0,GR50	S.N.A
...3	T0081	6003-001019 SCREW-TAPTITE;RH,+,B,M4,L12,ZPC(BLK),SWR	S.N.A
...3	T0081	6003-001019 SCREW-TAPTITE;RH,+,B,M4,L12,ZPC(BLK),SWR	S.N.A
...3		AA61-01104A HOLDER-LOCK;Z7,ABS,HB,BLK	S.N.A
...3	T0382	BP61-00509A HOLDER-CARE;PJT,ACRYL-FOAM,T0.25,W20.0mm	S.N.A
...3	T0057	BP64-00177A BADGE-BRAND;ALL,AL,T1.5,70,11.3,BLK,SILI	S.N.A
...3		BP64-00312A KNOB POWER-ASSY;43T9,ABS,HB,GRY	S.N.A
...4	CIS7	AA61-60003J SPRING ETC-CS;-SUS304,-,-,OD6,N7,OD6,-,	S.N.A
...4		BP61-00441A GUIDE-KNOB POWER;43T9,ABS,GR503(GRAY),HB	S.N.A
...4	T0603	BP64-00125A WINDOW-RMC;52Q7,PC,CLR	S.N.A
...4	T0071	BP64-00128B INDICATOR-LED;47,52Q7,PC CLEAR,.....	S.N.A
...4	T0023	BP64-00326A KNOB POWER;43T9,ABS,HB,BLK,SVM3012	S.N.A
...4	CIS3	BP64-00331A DECORATION-POWER;43T9,ABS,HB,GRY,PLATING	S.N.A
...3	T0016	BP64-00334D CABINET FRONT-BOTTOM;42Q2,HIPS,GR503,V0,	S.N.A
...3	T0069	AA60-00091E SPACER-FELT;-FELT,100X10,-,-,BLK,T0.5,-	S.N.A
..2	T0158	BP96-00453A ASSY COVER P-MAIN;42Q2,MOLD+METAL,OMEGA	S.N.A
..3		3001-001490 SPEAKER;20W,8ohm,94dB/1W,0.5m,90Hz	S.N.A
..3	BCM+M	6009-001420 SCREW-HEX;HEX,+,WC,M6,L20,ZPC(BLK),SWRCH	S.N.A
..3	B/S+C/	6009-001420 SCREW-HEX;HEX,+,WC,M6,L20,ZPC(BLK),SWRCH	S.N.A
..3		AA65-00011C CLAMPER CORE-WIRE;ALL MODEL,NYLON 66,V2,	S.N.A
..3		AA65-30105C CLAMPER CORE-WIRE;ALL MODEL,NYLON 66,V2,	S.N.A
...3	T0525	BP61-00451A BRACKET-SIDE R;42Q2,SECC,T1.2	S.N.A
...3	T0524	BP61-00452A BRACKET-SIDE L;42Q2,SECC,T1.2	S.N.A
...3		BP61-00453A BRACKET-FRONT TOP;42Q2,SECC,T1.2,P60A	S.N.A
...3		BP61-00454A BRACKET-BACK TOP;42Q2,SECC,T1.2	S.N.A
...3		BP61-00546A BRACKET-FOCUS PACK;42Q2,SECC,T1.0	S.N.A
...3	T0016	BP64-00337A CABINET-BOTTOM;42Q2,HIPS,V0,GR503	S.N.A
...3	T0081	6003-001321 SCREW-TAPTITE;BH,+,B,M4,L8,ZPC(BLK),SWRC	S.N.A
...3	T0081	6003-001321 SCREW-TAPTITE;BH,+,B,M4,L8,ZPC(BLK),SWRC	S.N.A
...3	T0081	6003-001321 SCREW-TAPTITE;BH,+,B,M4,L8,ZPC(BLK),SWRC	S.N.A
...3	T0115	AA61-00475B BRACKET-CRT,MAIN;54,SECC,T1.6,-,-,-,-	S.N.A
...3	M2893	BP39-00130A LEAD CONNECTOR;SVP-43W6,UL1007#22,4P,120	S.N.A

ASSY COVER REAR

1	M0002	BP90-00208C	ASSY COVER REAR;HCP4241WX/XAA,P60A	S.N.A
..2		AA64-60421C	INLAY-COVER;-PS,T0.3,-,-,BLK,SEA	S.N.A
..2	T0068	BP61-00008A	BRACKET-MIRROR,ASSY;42W5,SECC,T1.0,01123	S.N.A
...3		AA61-01123A	BRACKET-MIRROR;42W5,SECC,T1.0	S.N.A
...3		BP60-00005A	SPACER-SPONGE;42W5,RUBBER-SPONGE,T3	S.N.A
..2		BP63-00148A	COVER-FOCUS HOLE;PJT,V,HIPS,2.0,HB,GR503	S.N.A
..2	M0045	BP64-00335A	CABINET BACK-TOP;42Q2,HIPS,HB,GR503	S.N.A
..2	T0108	BP67-00082B	MIRROR-BACK;SSM,GLASS,823*628*416,3,42Q2	S.N.A
..2	T0095	BP64-00408A	CABINET BACK-BOTTOM;42Q2,HIPS,V0,GR503	S.N.A
..2	T0130	BP96-00551B	ASSY COVER P-TERMINAL ANT;42Q2,HIPS,V0,G	S.N.A
...3	T0071	BP64-00407B	INLAY-TERMINAL;J60A,SEA,PS,T0.5,BLK	S.N.A
...3		BP65-00010A	TERMINAL-BOARD,ANT;OMEGA(J60A,P60A),HIPS	S.N.A

ASSY PRT

1	T0601	BP91-00992A	ASSY PRT;42Q2,P59A	S.N.A
..2	T0026	BP91-01413A	ASSY CPT-R;42Q2,P59A	S.N.A
△ ...3		AA03-00200A	CRT MONO;P16LSG03R,JA,FREE,3.30MHZ,2.20MH,	S.N.A

Loc. No.	Code No.	Description ; Specification	Remark
...3	T0117	AA26-30006F TRANS FBT-ANODE CAP ASS'Y,-,FWZ-50A001C,	
...3	T0078	AA27-00042A DEFLECTION YOKE;,7PRT,S/S,7PRT,29.1MM,7P	
...3	T0079	AA33-00018A MAGNET CONVERGENCE;JH 92LT - 29F,PJT-TV,	
...3	T0245	AA39-00018A LEAD CONNECTOR-ASSY;,UL1015#22,UL/CSA,1P	
...3	T0511	AA60-00127B SPACER-LENS;PROJ,SILICONE,D/GRAY	S.N.A
...3	T0334	AA60-00128B SPACER-CRT;PROJ(65),SILICONE,D/GRAY	S.N.A
...3	T0081	AA60-10011A SCREW-TAPTITE;-;SWRCH18A,M4,L12,HH,+,PC,	S.N.A
...3		AA61-00056B BRACKET-LENS;PROJECTION,SECC,T1.6,-,-,-,	S.N.A
...3		AA61-00806B CASE-COUPLER,R;PROJ,ALDC,T8,BLK	S.N.A
...3	T0114	AA61-00810B HOLDER-CAP;PROJ,PC,CLR	S.N.A
...3	T0511	AA63-00076B SPACER-LENS;FELT,W7,BLK,T0.8	S.N.A
...3	T0107	AA91-00722A ASSY-BRKT,CRT;,SECC T1.6,PROJ	S.N.A
...4	T0072	AA61-00473B BRACKET-CRT;53,SECC,T1.6,-,-,-,-	S.N.A
...4		AA61-00615B BRACKET-EARTH;54J8,PBS,T0.5,-,-,-,-	S.N.A
...4		AA61-00812A SPRING ETC-WIRE;PROJ,STS,3.6	S.N.A
...3		BP60-00047A SPACER-CAP,DOUBLE;PJT,EPDM,BLACK,T0.7	
...3		BP61-00079A HOLDER-DY;,PJT,T0.5,NYLON66 V2	S.N.A
...3		BP61-00091A HOLDER-CRT;PJT,PCABS GF20%,BLUE	S.N.A
...3	T0109	BP67-00063A LENS-ASSY;DELTA 72,CLEAR	
...3	T0051	BP67-00063C LENS;DELTA 73,RED,C ELEMENT	
..2	T0027	BP91-01414A ASSY CPT-G;42Q2,P59A	
△...3		AA03-00201A CRT MONO;P16LSG03HKA,FREE,3.30MH,2.20MH,	S.N.A
...3	T0117	AA26-30006F TRANS FBT-ANODE CAP ASS'Y,-,FWZ-50A001C,	
...3	T0078	AA27-00042A DEFLECTION YOKE;,7PRT,S/S,7PRT,29.1MM,7P	
...3	T0245	AA39-00018A LEAD CONNECTOR-ASSY;,UL1015#22,UL/CSA,1P	
...3	T0334	AA60-00125B SPACER-CRT;PROJ,SILICONE,D/GRAY	S.N.A
...3	T0511	AA60-00127B SPACER-LENS;PROJ,SILICONE,D/GRAY	S.N.A
...3	T0081	AA60-10011A SCREW-TAPTITE;-;SWRCH18A,M4,L12,HH,+,PC,	S.N.A
...3		AA61-00056B BRACKET-LENS;PROJECTION,SECC,T1.6,-,-,-,	S.N.A
...3		AA61-00807B CASE-COUPLER,G;PROJ,ALDC,T8,BLK	S.N.A
...3		AA61-00809B HOLDER-CRT;PROJ,PC/ABS GF 20%,BLK	S.N.A
...3	T0114	AA61-00810B HOLDER-CAP;PROJ,PC,CLR	S.N.A
...3	T0511	AA63-00076B SPACER-LENS;FELT,W7,BLK,T0.8	S.N.A
...3	T0107	AA91-00722A ASSY-BRKT,CRT;,SECC T1.6,PROJ	S.N.A
...4	T0072	AA61-00473B BRACKET-CRT;53,SECC,T1.6,-,-,-,-	S.N.A
...4		AA61-00615B BRACKET-EARTH;54J8,PBS,T0.5,-,-,-,-	S.N.A
...4		AA61-00812A SPRING ETC-WIRE;PROJ,STS,3.6	S.N.A
...4		BP60-00047A SPACER-CAP,DOUBLE;PJT,EPDM,BLACK,T0.7	
...3		BP61-00079A HOLDER-DY;,PJT,T0.5,NYLON66 V2	S.N.A
...3	T0109	BP67-00063A LENS-ASSY;DELTA 72,CLEAR	
...3	T0051	BP67-00063D LENS;DELTA 73,GREEN,C ELEMENT	S.N.A
..2	T0028	BP91-01415A ASSY CPT-B;42Q2,P59A	
△...3		AA03-00202A CRT MONO;P16LSG03BMB,FREE,3.30MH,2.20MH,	S.N.A
...3	T0117	AA26-30006F TRANS FBT-ANODE CAP ASS'Y,-,FWZ-50A001C,	
...3	T0078	AA27-00042A DEFLECTION YOKE;,7PRT,S/S,7PRT,29.1MM,7P	
...3	T0079	AA33-00018A MAGNET CONVERGENCE;JH 92LT - 36F,PJT-TV,	
...3	T0245	AA39-00018A LEAD CONNECTOR-ASSY;,UL1015#22,UL/CSA,1P	
...3	T0511	AA60-00127B SPACER-LENS;PROJ,SILICONE,D/GRAY	S.N.A
...3	T0334	AA60-00128B SPACER-CRT;PROJ(65),SILICONE,D/GRAY	S.N.A
...3	T0081	AA60-10011A SCREW-TAPTITE;-;SWRCH18A,M4,L12,HH,+,PC,	S.N.A
...3		AA61-00056B BRACKET-LENS;PROJECTION,SECC,T1.6,-,-,-,	S.N.A
...3		AA61-00808B CASE-COUPLER,B;PROJ,ALDC,T8,BLK	S.N.A
...3	T0114	AA61-00810B HOLDER-CAP;PROJ,PC,CLR	S.N.A
...3	T0511	AA63-00076B SPACER-LENS;FELT,W7,BLK,T0.8	S.N.A
...3	T0107	AA91-00722A ASSY-BRKT,CRT;,SECC T1.6,PROJ	S.N.A
...4	T0072	AA61-00473B BRACKET-CRT;53,SECC,T1.6,-,-,-,-	S.N.A
...4		AA61-00615B BRACKET-EARTH;54J8,PBS,T0.5,-,-,-,-	S.N.A
...4		AA61-00812A SPRING ETC-WIRE;PROJ,STS,3.6	S.N.A
...3		BP60-00047A SPACER-CAP,DOUBLE;PJT,EPDM,BLACK,T0.7	
...3		BP61-00079A HOLDER-DY;,PJT,T0.5,NYLON66 V2	S.N.A
...3		BP61-00091A HOLDER-CRT;PJT,PCABS GF20%,BLUE	S.N.A
...3	T0109	BP67-00063A LENS-ASSY;DELTA 72,CLEAR	
...3	T0051	BP67-00063E LENS;LENS,DELTA 73,CLEAR,C ELEMENT	S.N.A

ASSY FIXING

1	BP91-01434A	ASSY FIXING;HCP4241WX/XAA,P60A	
..2	T0081	6003-001023 SCREW-TAPTITE;RWH,+,B,M3,L10,ZPC(YEL),SW	S.N.A
..2	T0081	6003-001023 SCREW-TAPTITE;RWH,+,B,M3,L10,ZPC(YEL),SW	S.N.A
..2		AA65-00029A CLAMPER CORE-WIRE;PJT,V,NYLON66,OD24,DONG	S.N.A
..2		AA65-30018A CLAMPER CORE-WIRE;DONG-A,NYLON-66,-,-,-,	S.N.A
..2		AA65-30110A CLAMPER CORE-WIRE;ALL MODEL,NYLON 66,V2,	S.N.A
..2		AA65-30111A CLAMPER CORE-WIRE;ALL MODEL,NYLON,VO,-,W	S.N.A
△..2	T0066	AA96-00156D ASSY POWER CORD;-;EP2/YES(US),H/C 200MM,	S.N.A

Loc. No.	Code No.	Description ; Specification	Remark
...3		3811-001609 WIRE-PVC CU;BCWA,300V,ROLL,-,#22,BLK	S.N.A
...3	T0077	AA39-10007Y CBF POWER CORD;-;EP2/YES,SPT-2 18AWGx2C,	
...3		AA61-20284A HOLDER;P-CORD,PP,-,-,BLK,VO,KE-002	S.N.A
...3		AA63-10002B BAND-TIE;NYLON66 V2,L140,NTR	S.N.A
...3	T0121	3301-001201 CORE-FERRITE;AE,21x11x32mm,1500,280G	
..2	M2893	BP39-00018A LEAD CONNECTOR;P55A/HCM4215W,UL2547#26,U	
..2	T0121	3301-001201 CORE-FERRITE;AE,21x11x32mm,1500,280G	
..2	T0245	AA39-20010L LEAD CONNECTOR-ASSY;,1P,1400MM,YFH800-01	

ASSY P/MATERIAL

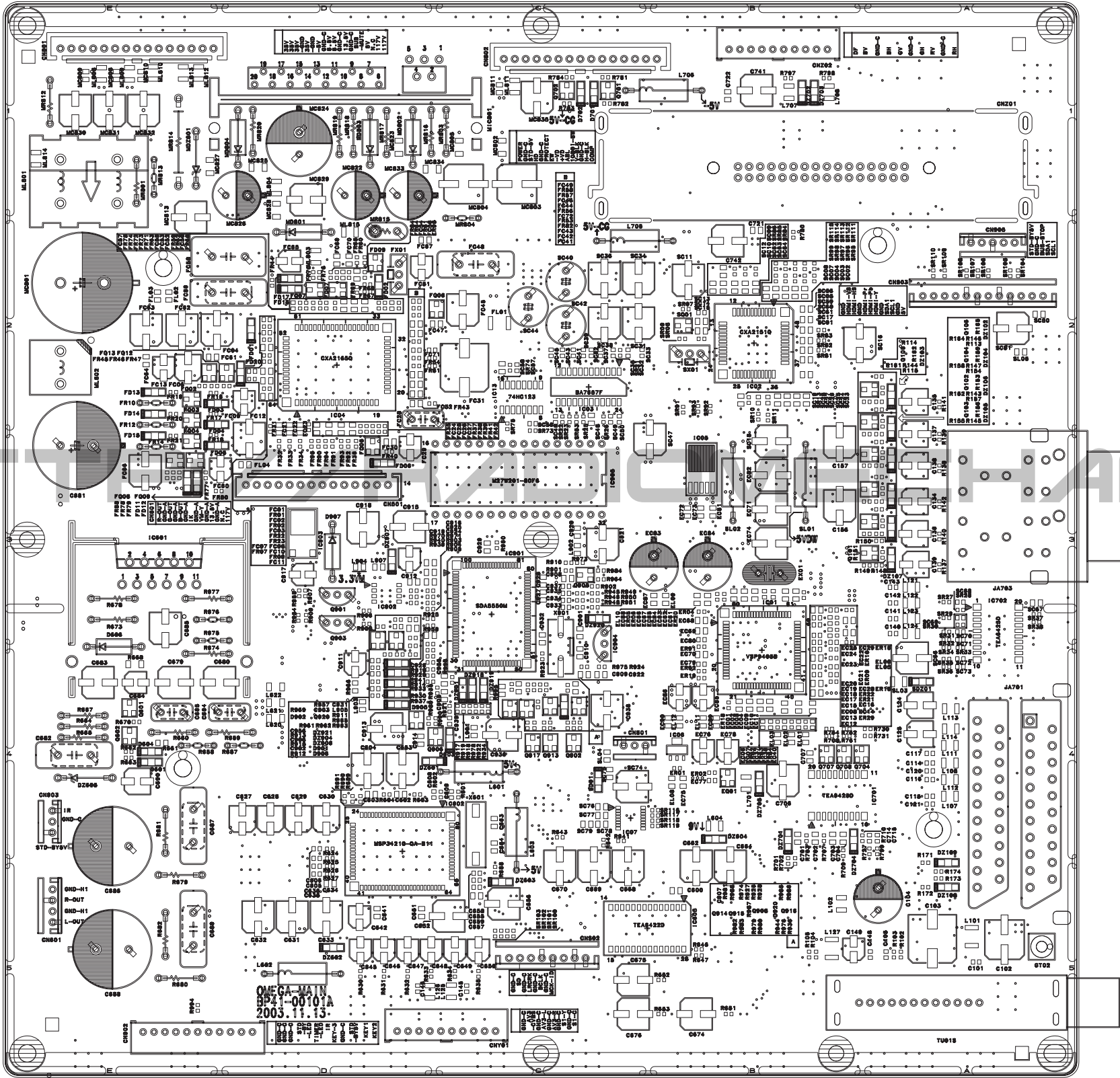
1	BP92-00875B	ASSY P/MATERIAL;HCP4241WX/XAA,P60A	
..2		6902-000001 BAG AIR;LDPE,T0.2,L1800,W1000,TRP,-,LDPE	S.N.A
..2		6902-000008 BAG PE;HDPE/NITRON/HDPE,T0.015/T0.5/T0.0	S.N.A
..2		6902-000061 BAG AIR;LDPE,T0.2,L1000,W500,TRP,-,	S.N.A
..2	T0214	AA60-40006A PIN-STAPLE;AUTO,33X17.8X2.4,H18,33X17.8X	S.N.A
..2	T0214	AA61-20285A HOLDER-BOX;3456,PP,-,-,WHT,VO	S.N.A
..2	T0172	AA69-02609A BAND-PP;W18,CLEA,1G	S.N.A

ASSY ACCESSORY

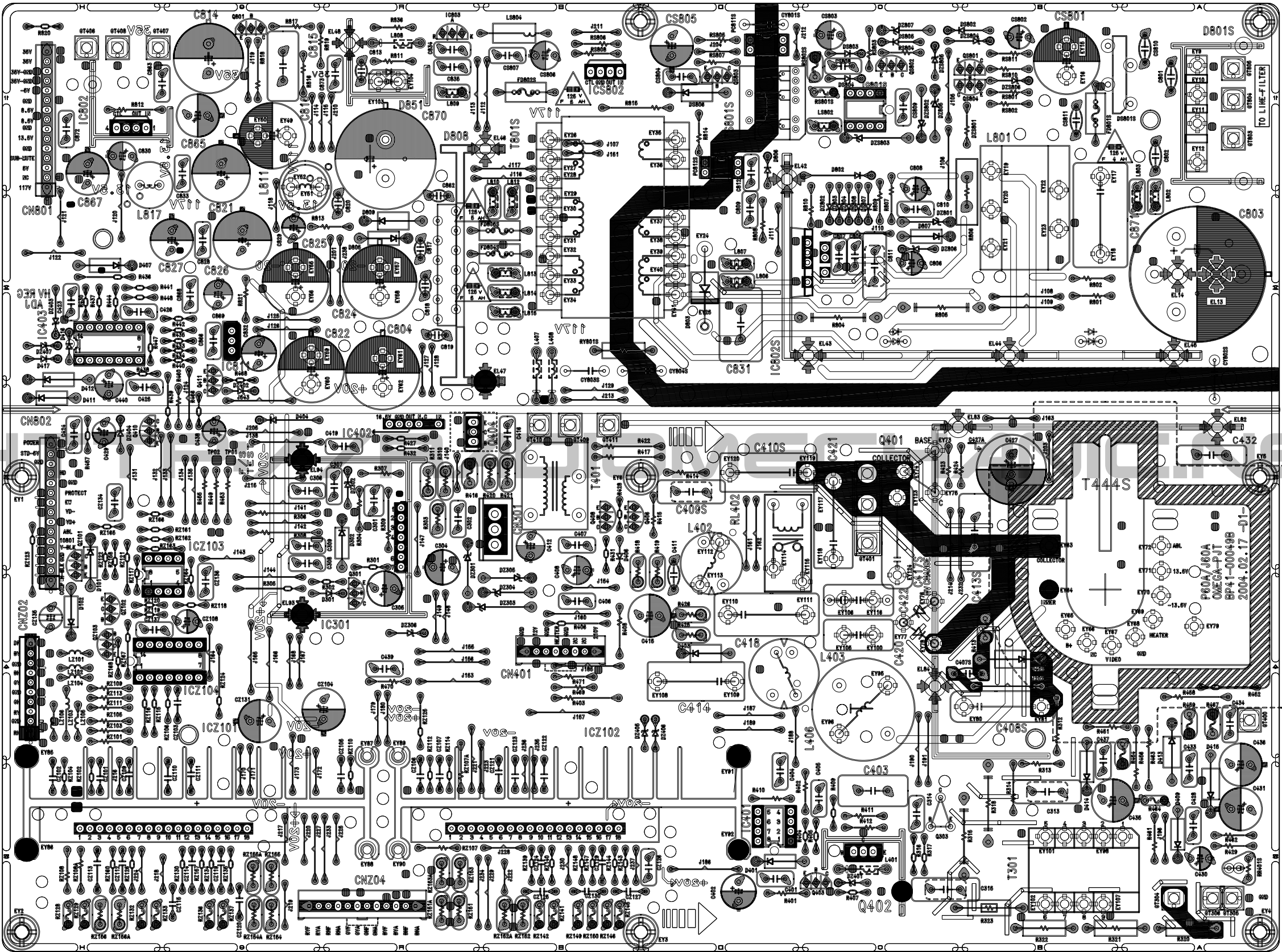
1	M0245	BP92-00909A	ASSY ACCESSORY;HCP4241WX/XAA,P60A
..2	T0685	4301-000103 BATTERY-ALKALINE;1.5V,750mAh,AAA,10.5x44	
..2		6902-000018 BAG PE;LDPE,T0.1,W280,L400,GRY,8,2-	S.N.A
..2	T0116	AA39-00006A CABLE RCA;,3000MM	
..2		AA68-00371C CARD WARRANTY-01;-;SEA,W/P100(G),1 YEAR	S.N.A
..2		AA68-03242A MANUAL-SAFETY GUIDE;NT/PAL ALL MODEL,E/F	S.N.A
..2	1	AA68-40065B CARD-01,REGISTRATION;-;SEA,A5,ENG,A/P220,	S.N.A
..2	M0596	BP68-00284A MANUAL USERS-00;HCP4241WX,SAMSUNG,EN,W/P	
..2		BP68-00290A MANUAL-QUICK GUIDE;HC-P4241W,USA,ENG,W/P	
..2	T0074	BP59-00058C REMOCON;OMEGA,TM76A,47,PJT,EX,SAMSUNG,NT	

8. PCB Diagram

8-1 MAIN PCB



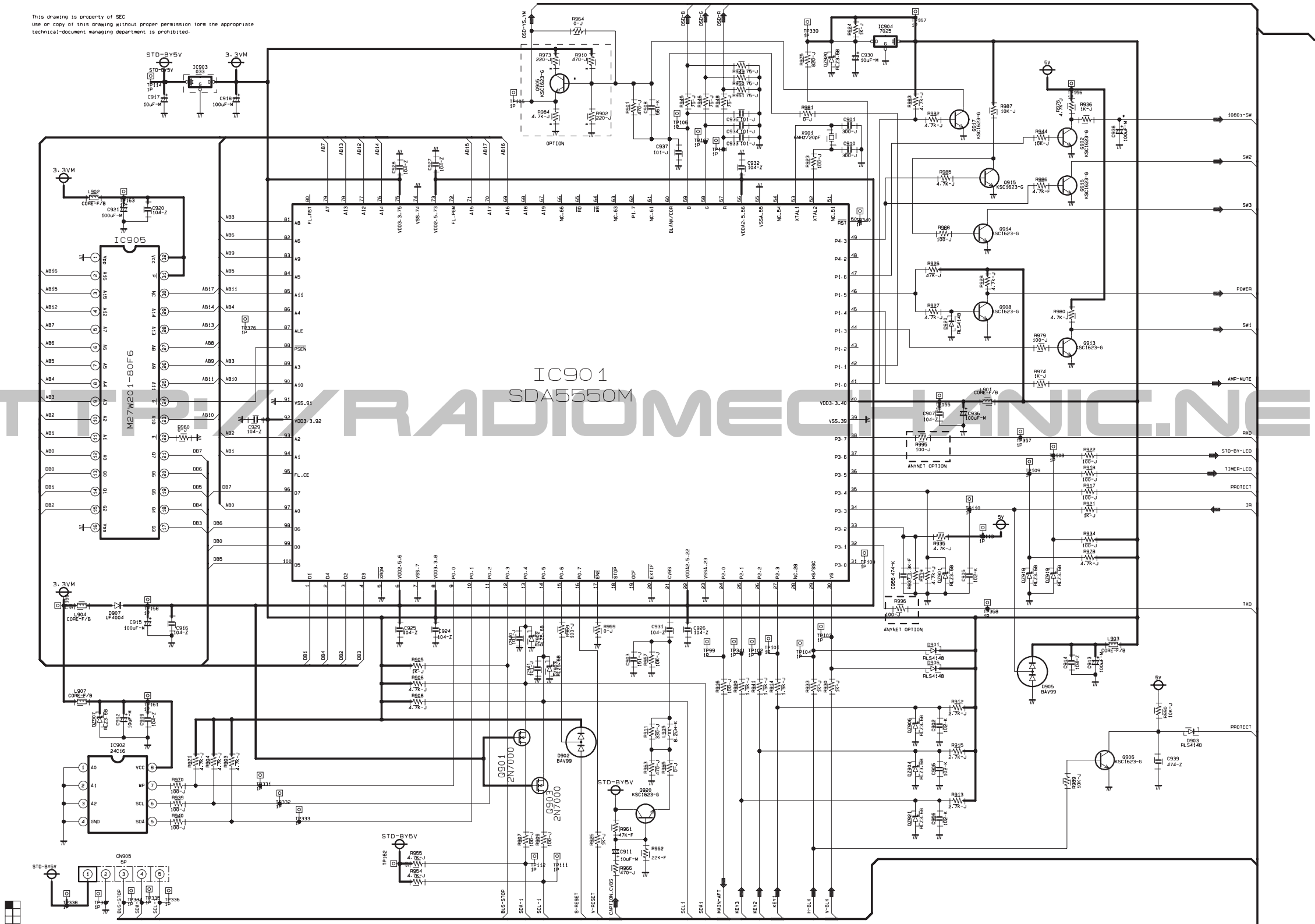
8-2 SUB PCB



9. Schematic Diagrams

9-1 MAIN 1

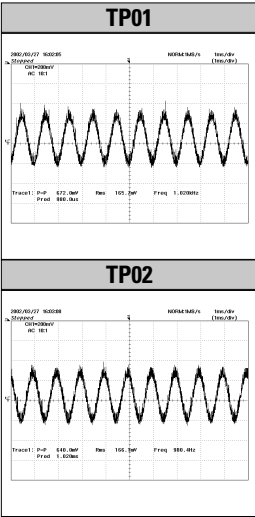
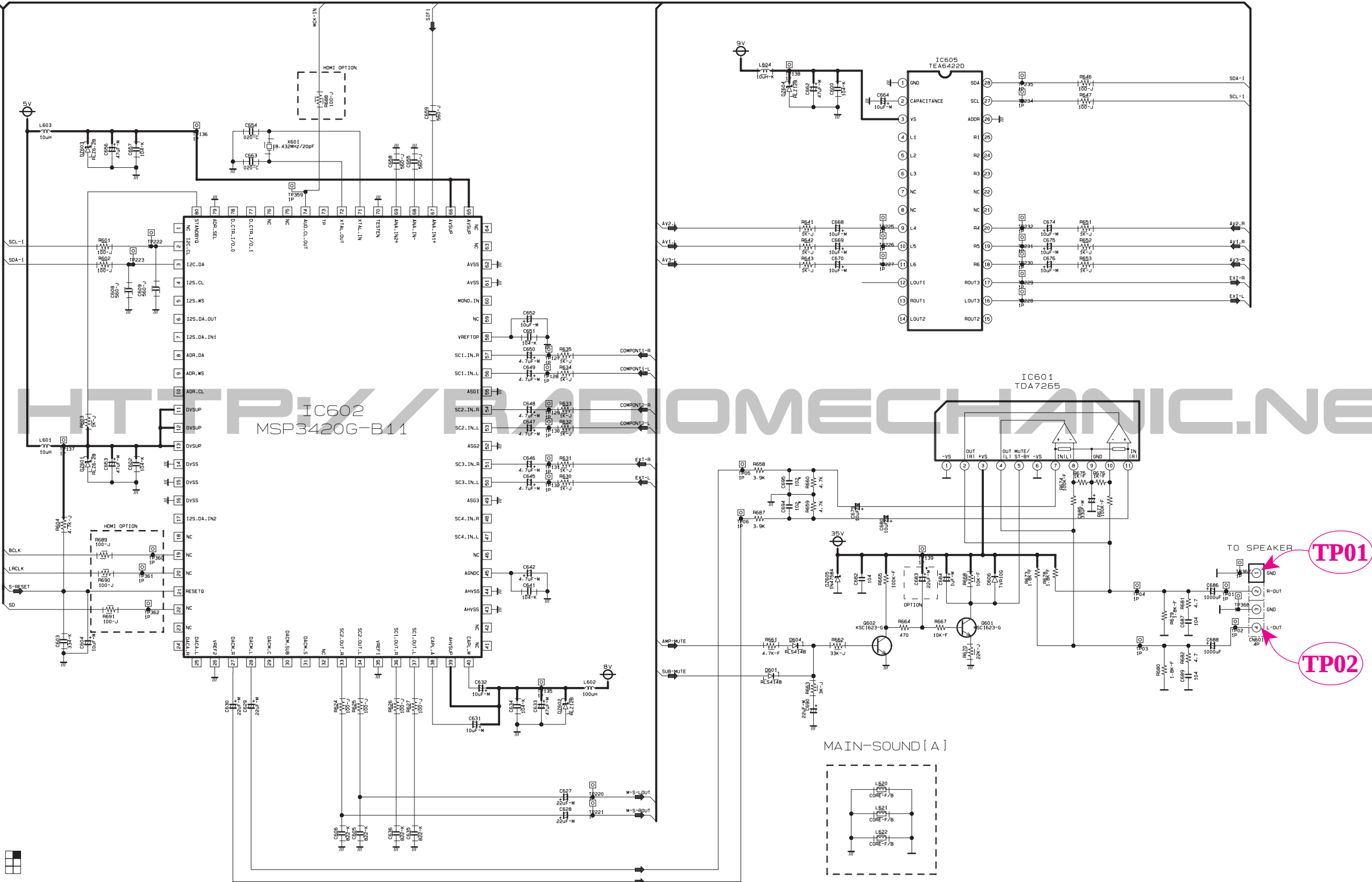
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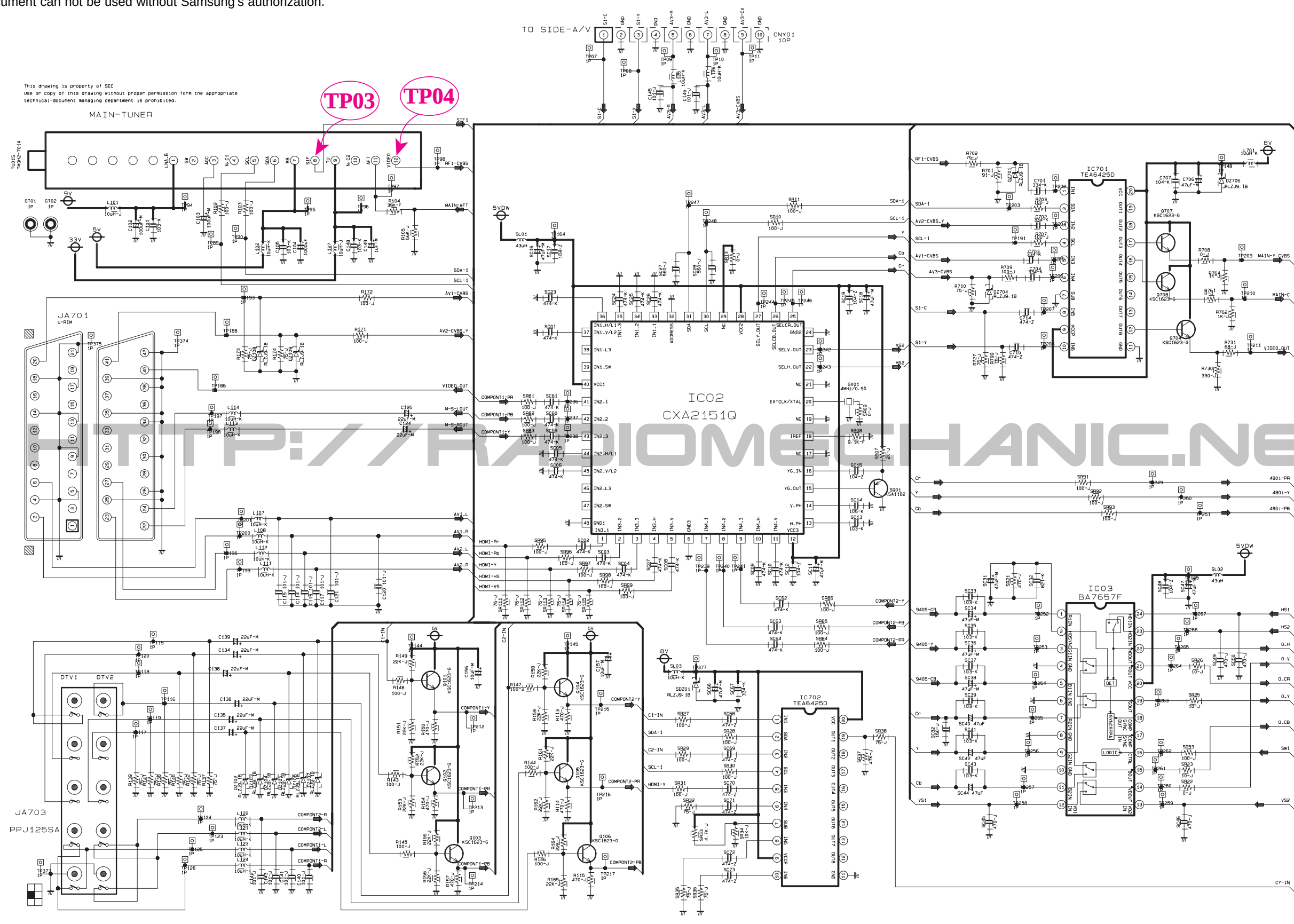
9-2 MAIN 2

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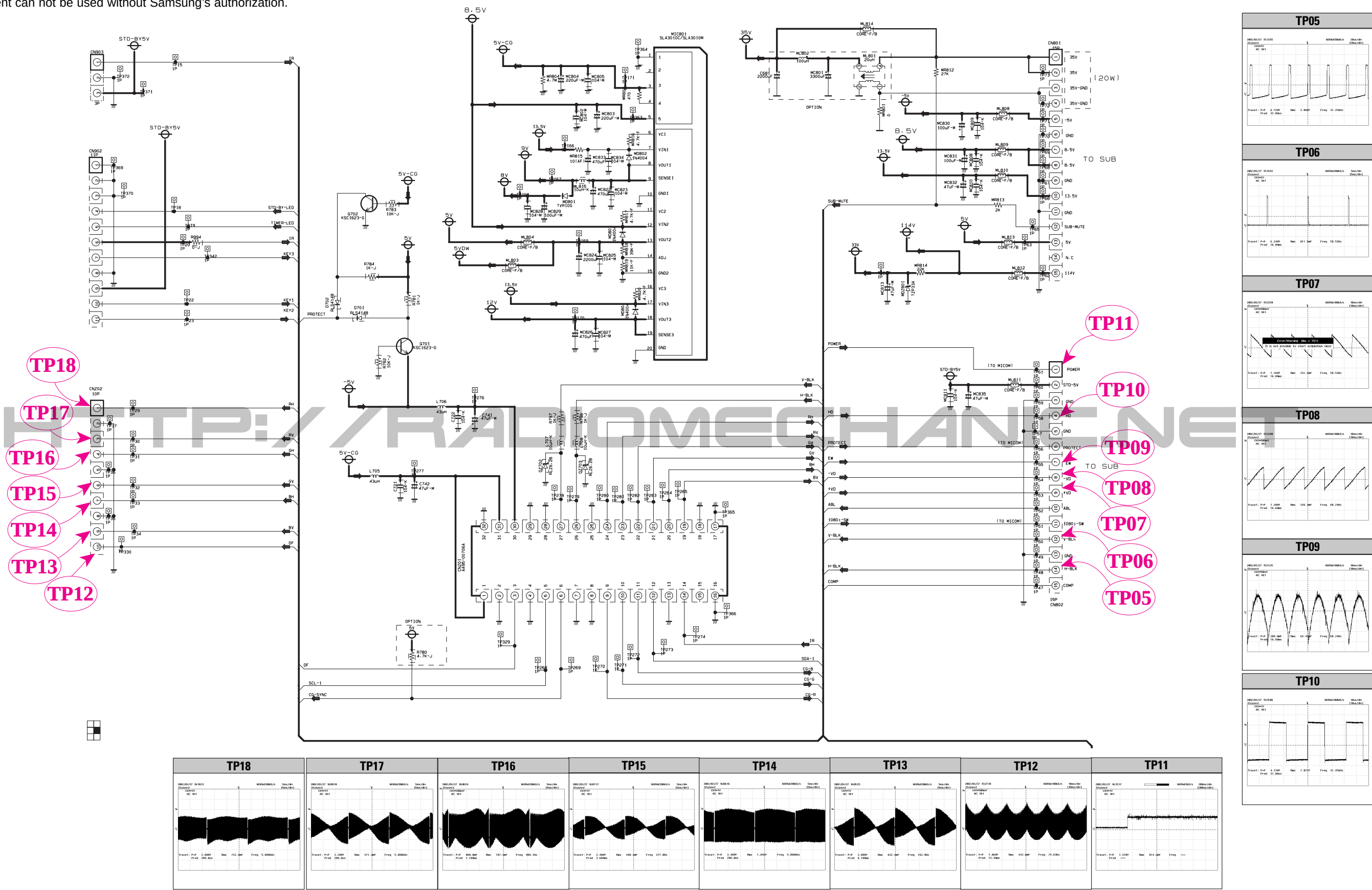


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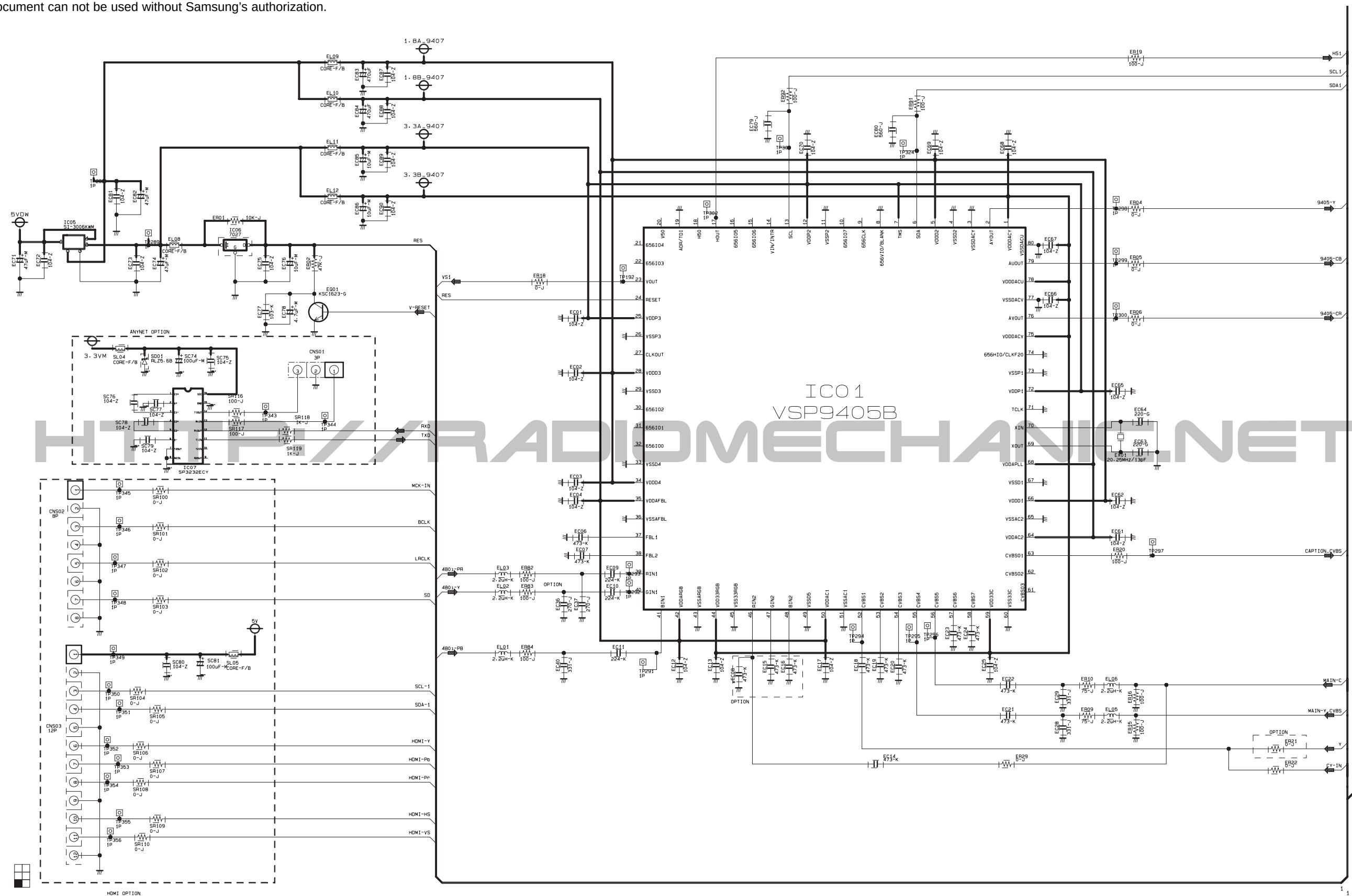
9-4 MAIN 4

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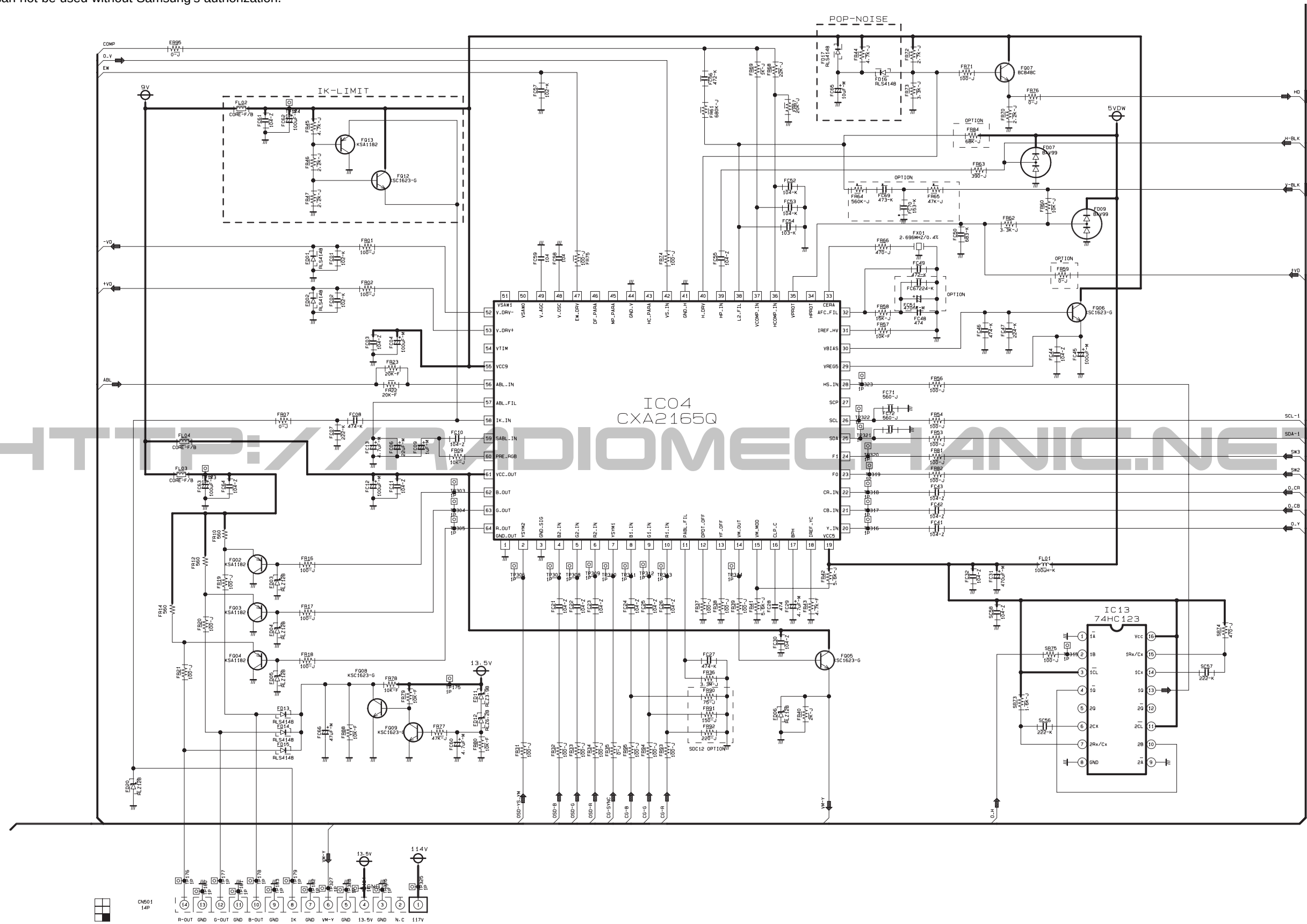
9-5 MAIN 5

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9-6 MAIN 6

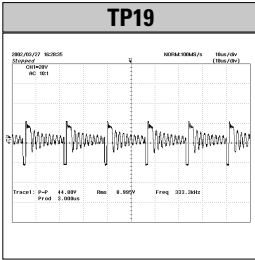
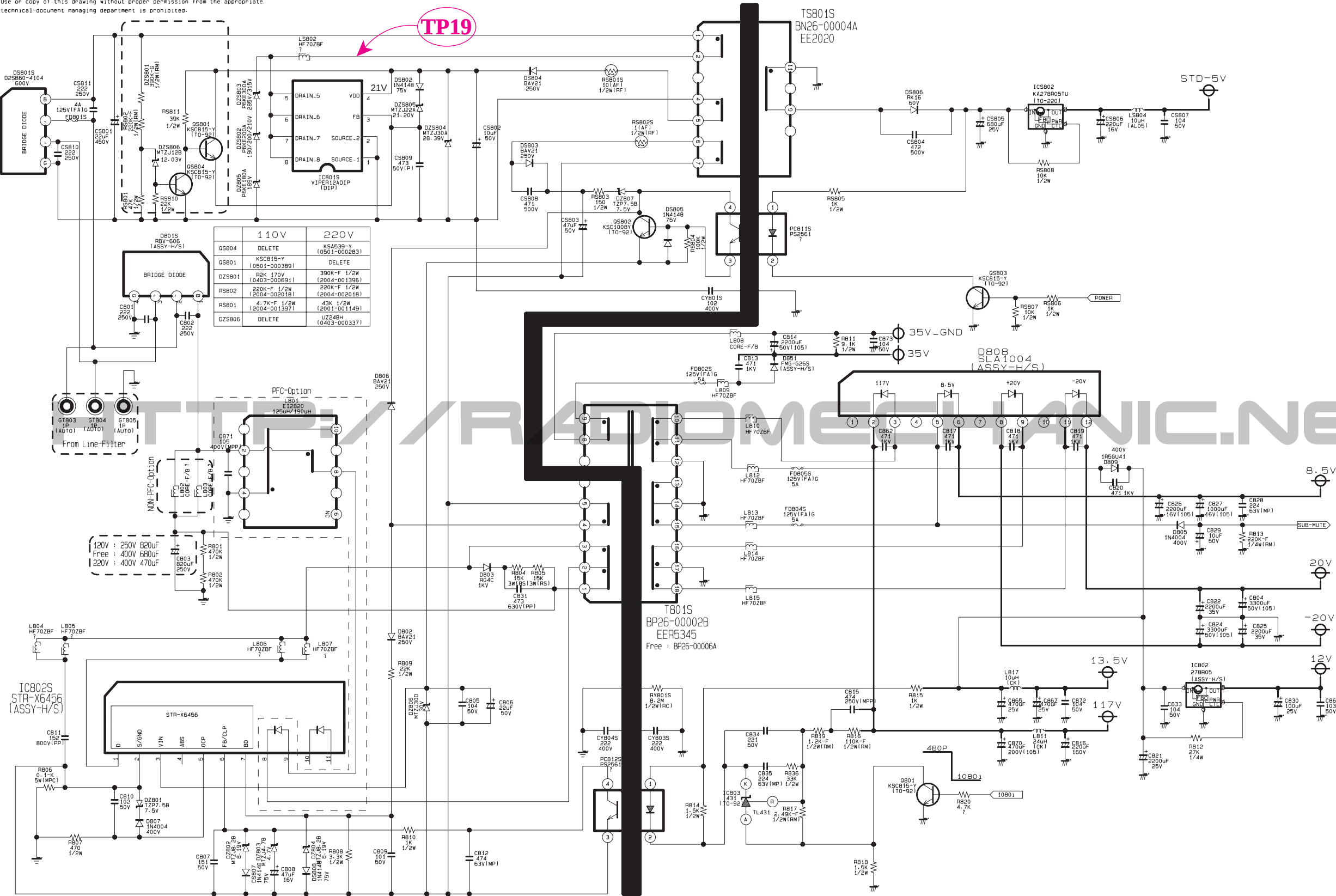
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9-7 SUB 1

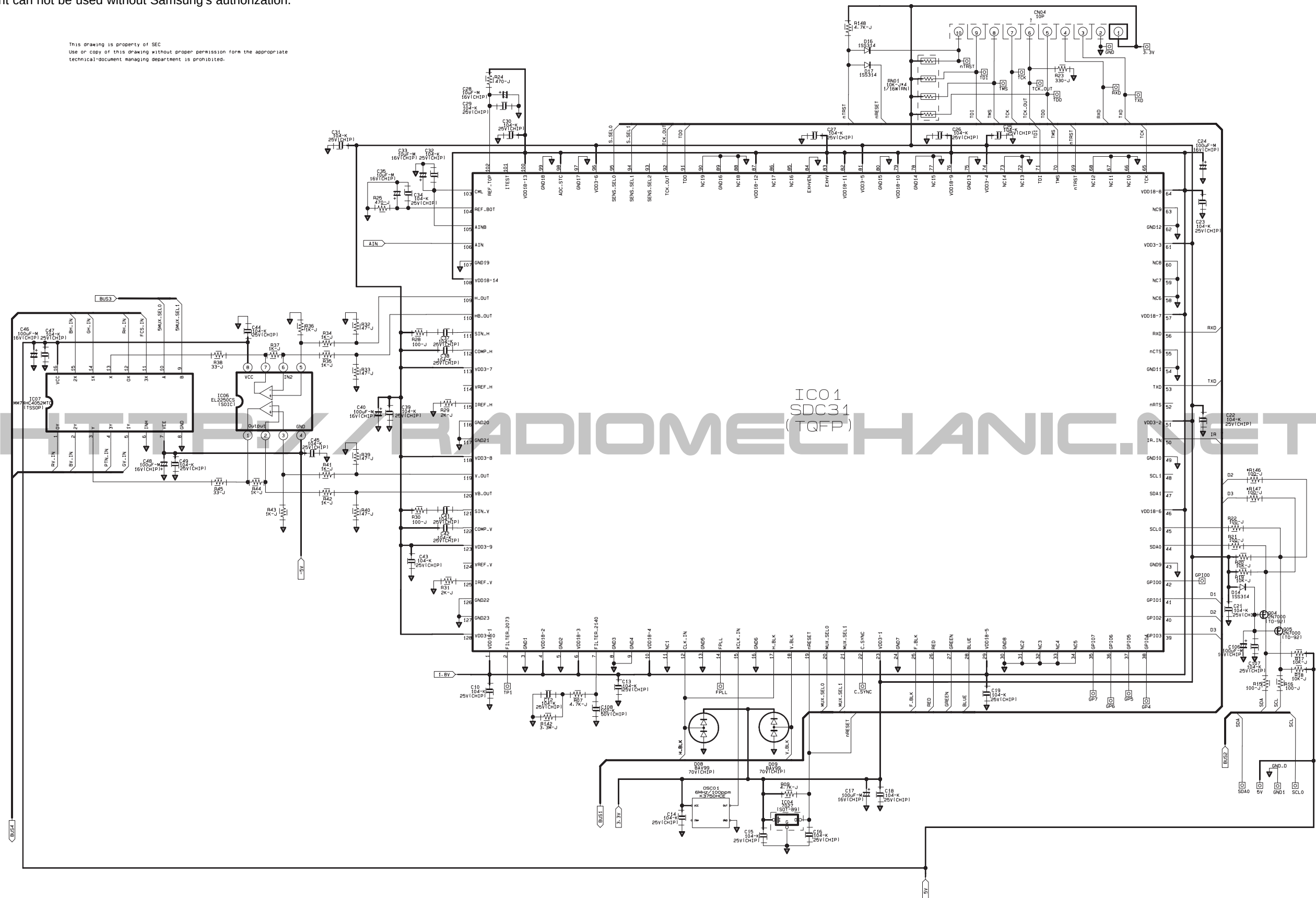
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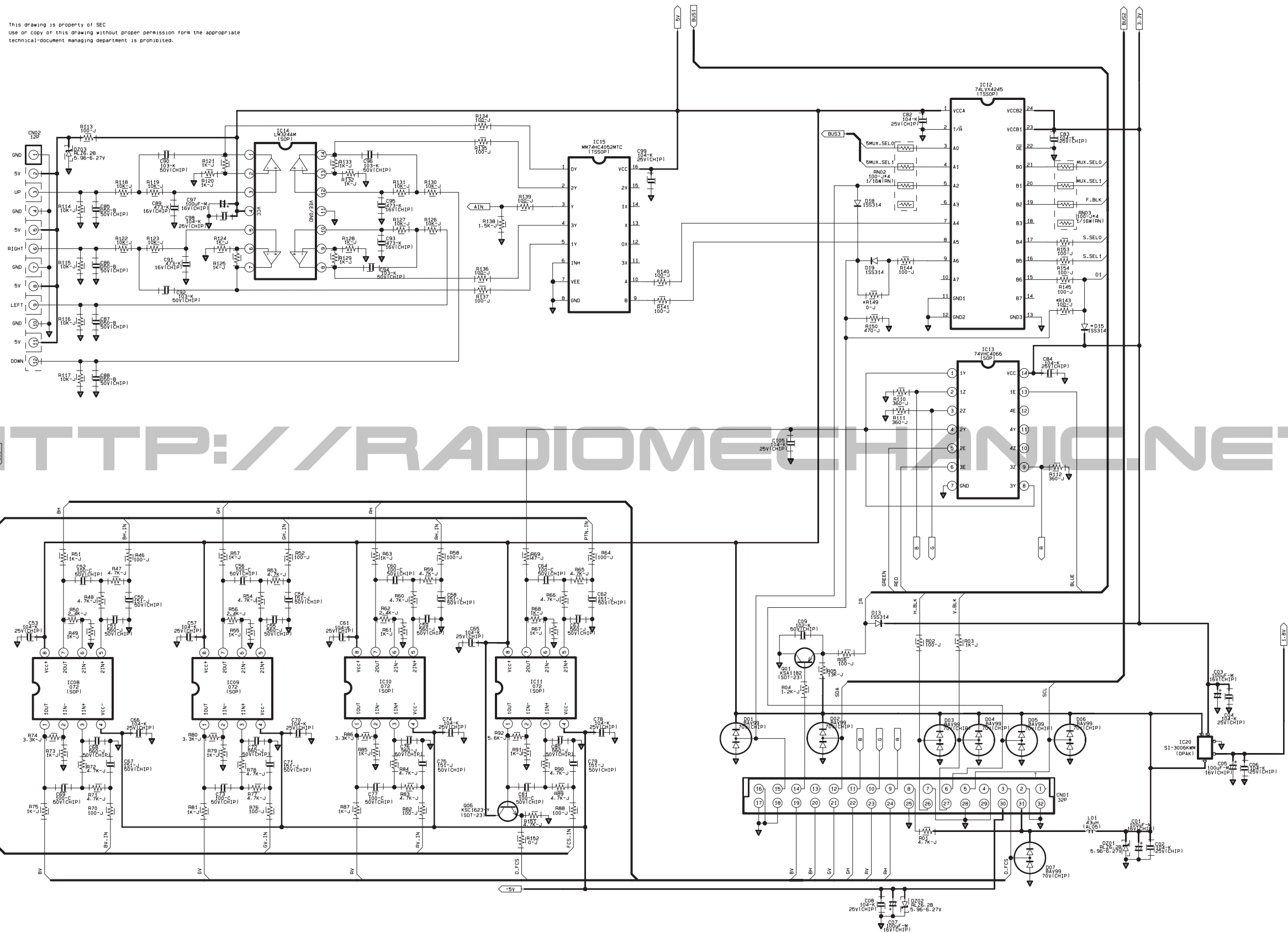


9-11 CG MDL 1

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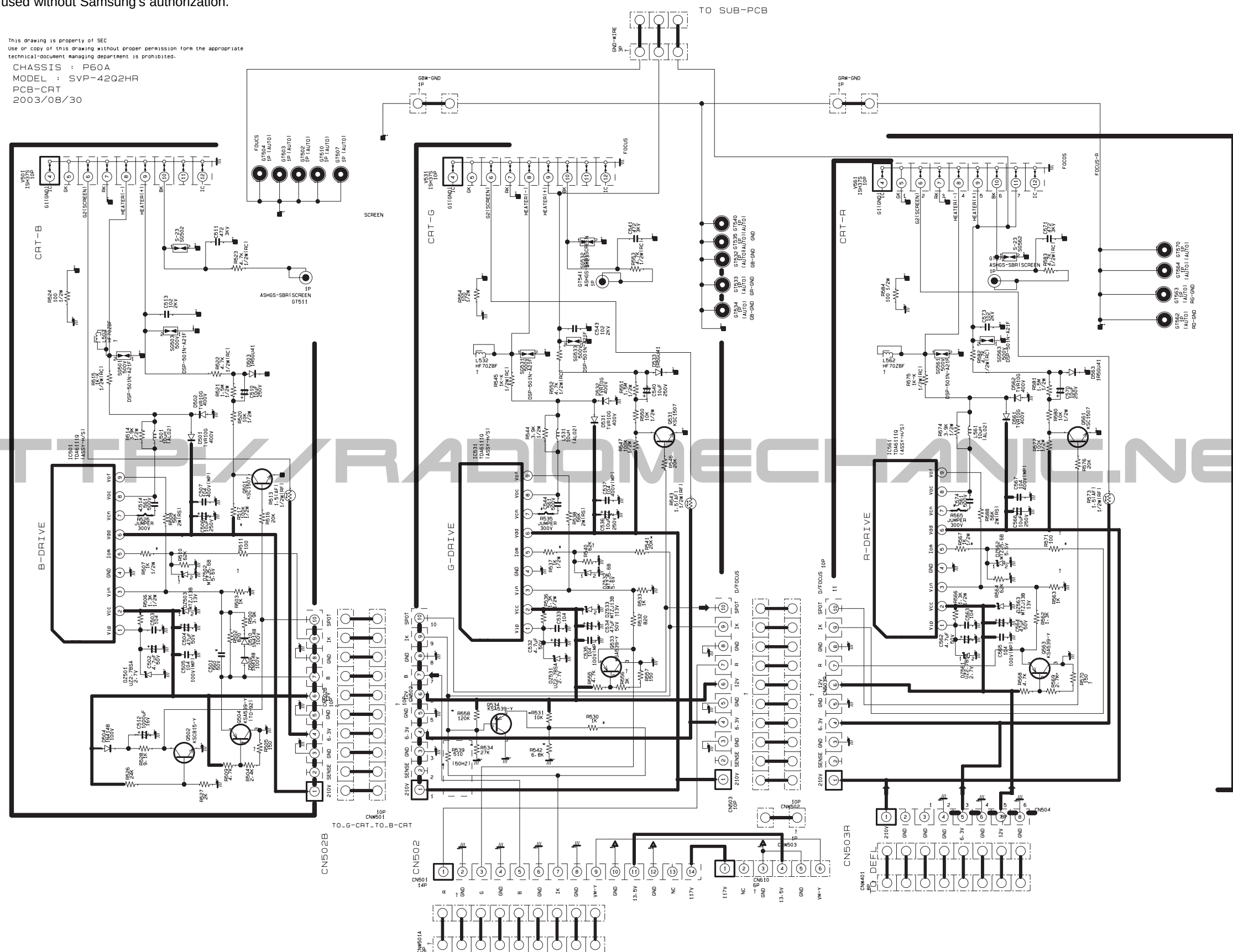


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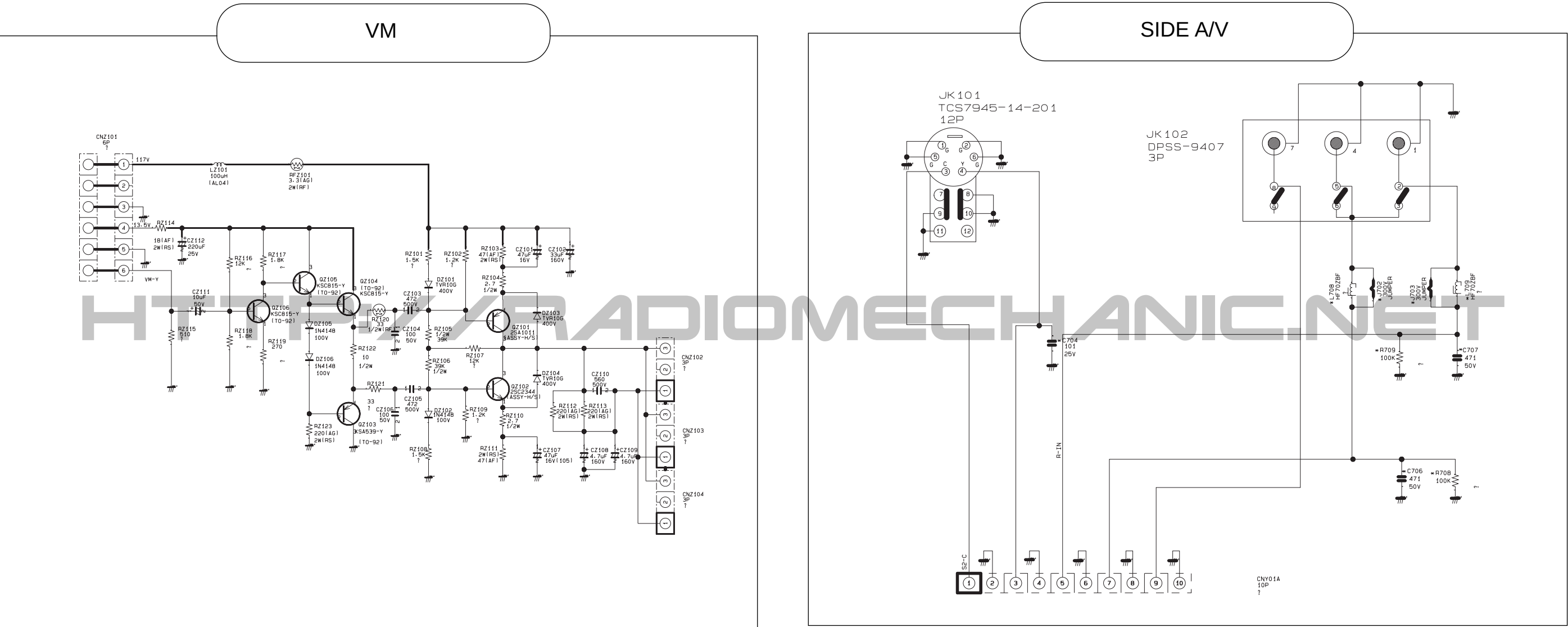
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CHASSIS : P60A
MODEL : SVP-42Q2HR
PCB-CRT
2003/08/30



9-14 VM / SIDE A/V

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9-15 KEY-CONTROL / POWER-CONTROL

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