

# ADJUSTMENT

## ● Safety Precautions

1. It is safe to adjust after using insulating transformer between the power supply line and chassis input to prevent the risk of electric shock and protect the instrument.
2. Never disconnect leads while the TV receiver is on.
3. Don't short any portion of circuits while power is on.
4. The adjustment must be done by the correct appliances. But this is changeable in view of productivity.
5. Unless otherwise noted, set the line voltage to 110~240Vac ±10%, 50/60Hz.
6. The adjustment of TV should be performed after warming up for 20 minutes.

## ● Test Equipment required

1. Multimeter (volt meter)
2. Oscilloscope
3. 10:1 PROBE
4. Color Analyzer

## ● CDL Data Adjustment(LINE SVC-0)

- 1) Press the SVC button to get into the SVC-0 Mode.
- 2) Press the Channel UP/DOWN button to select CDL12.
- 3) Press the Volume UP/DOWN button until the CDL data is the same as the Table below.

	21" FCD	14,16" CPT	15" CPT	20,21" CPT
<b>CDL Data</b>	<b>12</b>	<b>8</b>	<b>10</b>	<b>12</b>
Remark	<b>FLAT</b>		<b>FLAT</b>	

- 4) Press the OK(■) button to memorize the data.

## ● OPTION Data Adjustment(OPTION-1,OPTION-2)

- 1) Press OK buttons on both TV set and Remote Controller at the same time to get into SVC mode.
- 2) Press the Yellow button several times to find OPTION-1 or OPTION-2.
- 3) Input the correspond OPTION data referring to Table below with the numeric buttons.
- 4) Press the OK(■) button to memorize the data.

**Table 1. OPTION 1 Function**

Option	Code	Function	Remark
C MUTE	0	ACTIVE	
	1	NOT ACTIVE	
DVD	0	W/O DVD	
	1	DVD(REAR JACK)	
2 IN 1	0	W/O 2 IN 1 TUNER	
	1	WITH 2 IN 1 TUNER	
TOP	0	FLOF TXT	
	1	TOP TXT	
SCART	0	PHONO JACK	
	1	SCART JACK	

Option	Code	Function	Remark
TBS	0	W/O TBS	
	1	WITH TBS	
EYE	0	W/O EYE	
	1	WITH EYE	
4 KEY	0	W/O 4 KEY	
	1	WITH 4 KEY	
MONO	0		
	1	FORCED MONO	

**Table 2. OPTION 2 Function**

Option	Code	Function	Remark
BCF	0	Auto Abnormal ON	
	1	Not Used	
GAME	0	W/O GAME PACK	
	1	WITH GAME PACK	
200 PRO	0	100 PRO	
	1	200 PRO	
CHA + AU	0	Except China,Australia	
	1	China,Australia	
DUAL	0	W/O DUAL	
	1	WITH DUAL	
ACMS	0	Australia	
	1	Except Australia	
T-SCH	0	W/O TURBO SEARCH	
	1	WITH TURBO SEARCH	
T-P/S	0	W/O TURBO P/S	
	1	WITH TURBO P/S	
CURVE	0	NORMAL VOLUME CURVE	
	1	M-A,India VOLUME CURVE	

**Table 3. OPTION 3 Function**

Option	Code	Function	Remark
RESERVED	0	***	
	1	***	
HOTEL	0	W/O HOTEL	
	1	W/HOTEL	
SYSTEM	0	BG/L	
	1	BG//DK	
	2	BG//DK/M	
	3	BG//DK DUAL	
	4	BG//DK/M DUAL	
	5	2nd IF BG	
	6	2nd IF I	
7	2nd IF DK		

Option	Code	Function	Remark
OSD-L (EU)	0	ENG. ONLY	English
	1	EU-7EA	English,Deutsch,Francais,Italiano,Espanol
	2	EU ALL	English,Nederlands,Svenska,Dansk,Suomi,Portugues,Romaneste,Polски,Cesky,Pyckknn
	3	EU EAST	English,Romaneste,Polски,Cesky,Pyckknn,Magyar
OSD-L (M-ASIA)	0	ENG. ONLY	English
	1	ARABIC	English,Arab,,Urdu,French
	2	PARSI	English,Parsi,Urdu,French
	3	ARAB,FARSI,URDE	English,French,Arab,Urdu,Parsi
OSD-L (E-ASIA)	0	ENG.ONLY	English
	1	ASIA-ALL	English,Malay,Vietnam,Indonesian,Thai
OSD-L (CH+HI)	0	ENG.ONLY	English
	1	E+CHINA	English,Chinese
	2	E+HINDI	English,Hindi
TXT-L (EU)	0	W-EU	
	1	E-EU	
	2	CYRILLIC	
	3	UKRAINIAN	
TXT-L (E-ASIA)	0	WEST-EU	
TXT-L (ARAB)	0	WEST-EU	
	1	ARABIC	
TXT-L (FARSI)	0	WEST-EU	
	1	FARSI	

### ● AGC Adjustment (SERVICE 1)

Test Point : **AGC TP (C101)**  
Adjust : **Remote Controller**

- 1) Connect RF signal (70dB±0.2dB) and turn on the TV.  
i Standard adjustment Channel  
- EU 05 Ch. (fr = 175.25MHz)
- 2) Press the OK buttons on TV set and Remote Controller at the same time to get into SVC-0 mode.
- 3) Press the Channel UP/DOWN button on the Remote Controller several times to find AGC???
- 4) Press the Volume UP/DOWN button until the AGC Voltage is the same as the Table below.
- 5) Press the OK(■) button to memorize the data.

Tuner P/N	6700VPF009G	6700VPF016A
Marker	LG Innotek(W/S TUNER)	DAEWOO(W/S TUNER)
AGC Voltage	2.7± 0.05V	2.7± 0.05V

Tuner P/N	6700VPF009S	
Marker	LG Innotek(TBS TUNER)	
AGC Voltage	2.5± 0.05V	

### ● FOCUS Adjustment

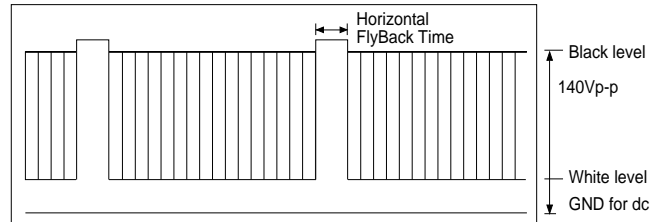
Test Point : **RK (Red Cathode of CPT Board)**  
Adjust : **Screen Volume of FBT**

- 1) Tune the TV set to receive a PAL 05CH.
- 2) Adjust the Focus Volume of FBT for best focus.

### ● Screen Voltage Adjustment

Test Point : **Observing Display**  
Adjust : **Focus Volume of FBT**

- 1) Connect the probe of oscilloscope to the RK (Red Cathode) of CPT Board.
- 2) Set the oscilloscope to 50V/div and 20Us/div and after putting GND line upon the lowest grid line of the scope by pressing GND button,enter into DC mode.
- 3) Tune the TV set to receive a PAL-B/G 05CH.
- 4) Adjust Screen Volume of FBT so that the waveform is the same as below figure (DC 140±3V).



14"	OTHERS
DC 130V±3 V	DC 140V±3 V

### ● White Balance Adjustment.(LINE SVC-0)

**NOTE :** This adjustment should be performed after screen voltage adjustment.

- 1) Tune the TV set to receive an 100% white pattern.
- 2) Press OK(■) buttons on TV set and remote controller at the same time to get into SVC mode.
- 3) Press Yellow button on remote controller. (Standard mode)
- 4) Press Channel UP/DOWN button for desirous function adjustment.
- 5) Adjust VOL+ or VOL-button in each status of "RG-"/"BG-" for X=272±8, Y=288±8 with color analyzer.(Europe Model: X=288±8, Y=295±X=272±8, 11,000K)

Status	Initial Data	Remark
RG	31	
GG	31	
BG	31	
BLO-R	31	
BLO-G	31	

- 7) Press the OK(■) button to memorize the data.

## ● Deflection Data Adjustment (Line SVC-1)

**NOTE:** To enter SVC mode, press "OK" buttons on both TV set and the Remote control at the same time.

### 1. Preparation for Deflection Adjustment

- 1) At SVC mode, press the Yellow colored button.  
And then, deflection data adjustment OSD (SVC1 mode) will be displayed.
- 2) Tune the TV set to receive a PAL 05 CH and set the ARC mode is standard.

### 2. Deflection Initial Setup Data

Status	Default	21" FLAT S/S	21" FLAT LG
VL	31	31	31
VA	31	31	31
VS	31	31	31
HS	31	31	31
SC	25	25	25

### 3. Deflection Adjustment Procedure

#### VL (Vertical Linearity)

Adjust so that the boundary line between upper and lower half is in accord with geometric horizontal center of the CPT.

#### VA (Vertical Amplitude)

Adjust so that the circle of a digital circle pattern may be located within the effective screen of the CPT.

#### SC (Vertical "S" Correction)

Adjust so that all distance between each horizontal lines are to be the same.

#### VS (Vertical Shift)

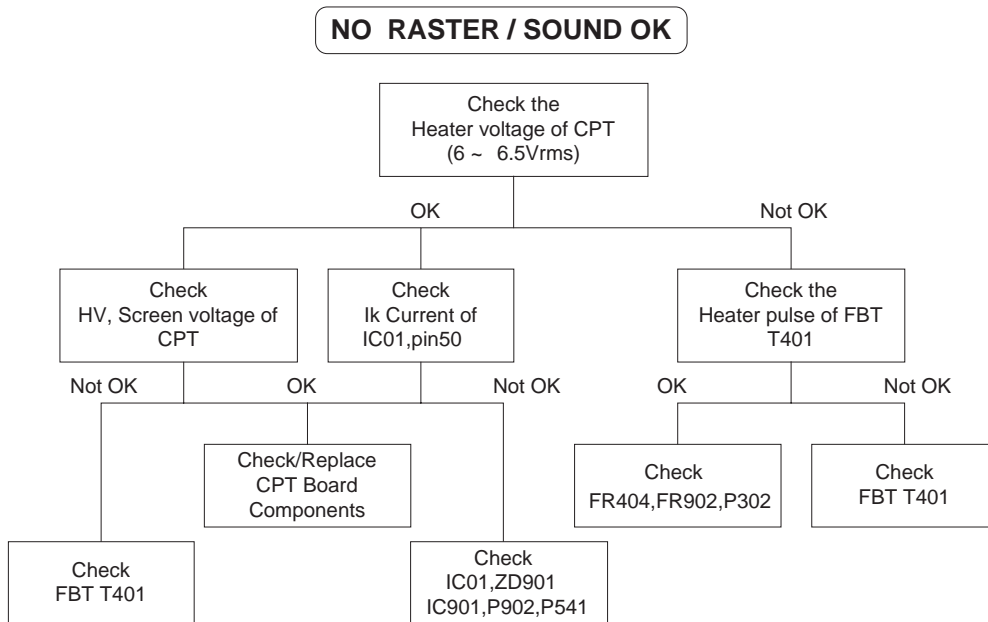
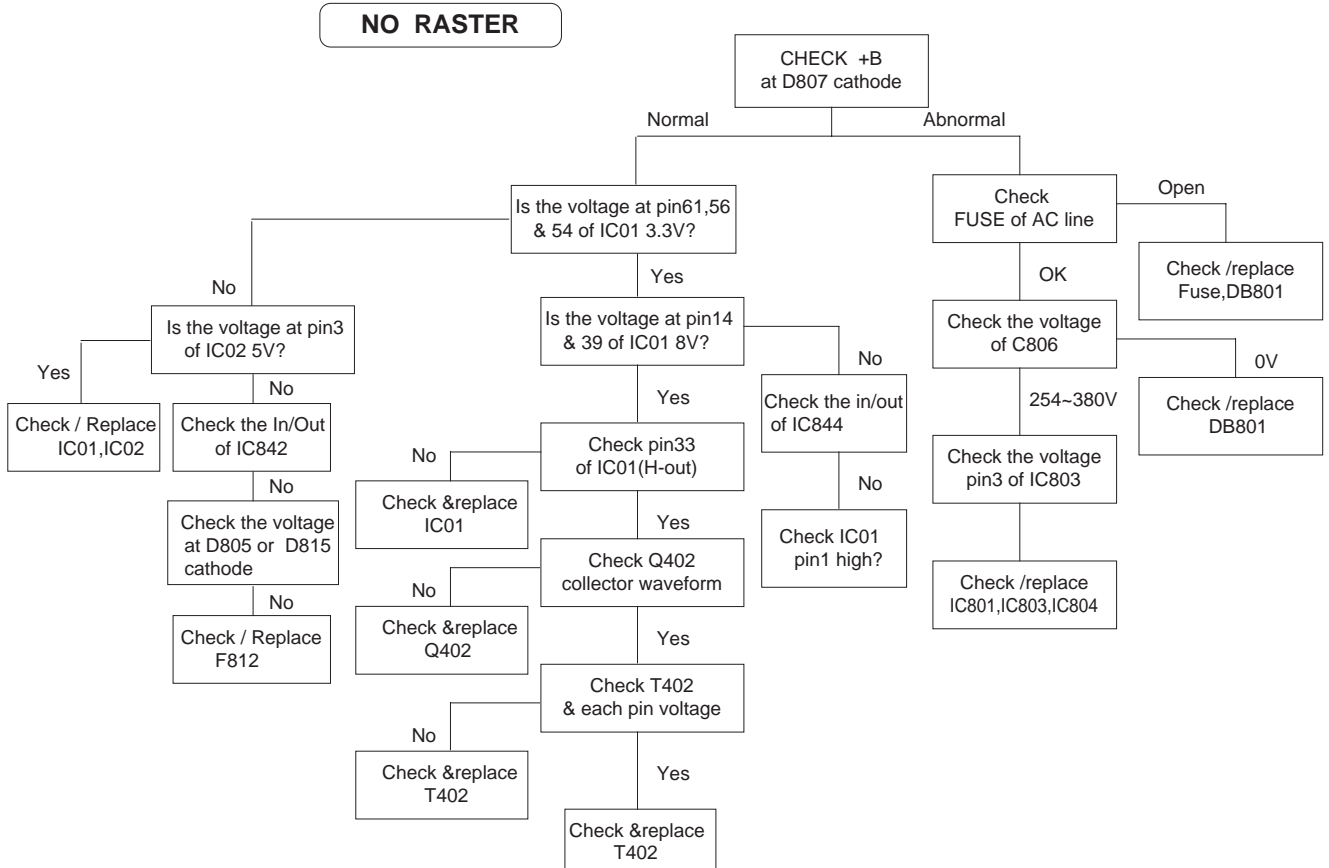
Adjust so that the horizontal center line of a digital circle pattern is in accord with geometric horizontal center of the CPT.

#### HS (Horizontal Shift)

Adjust so that the vertical center line of a digital circle pattern is in accord with geometric vertical center of the CPT.

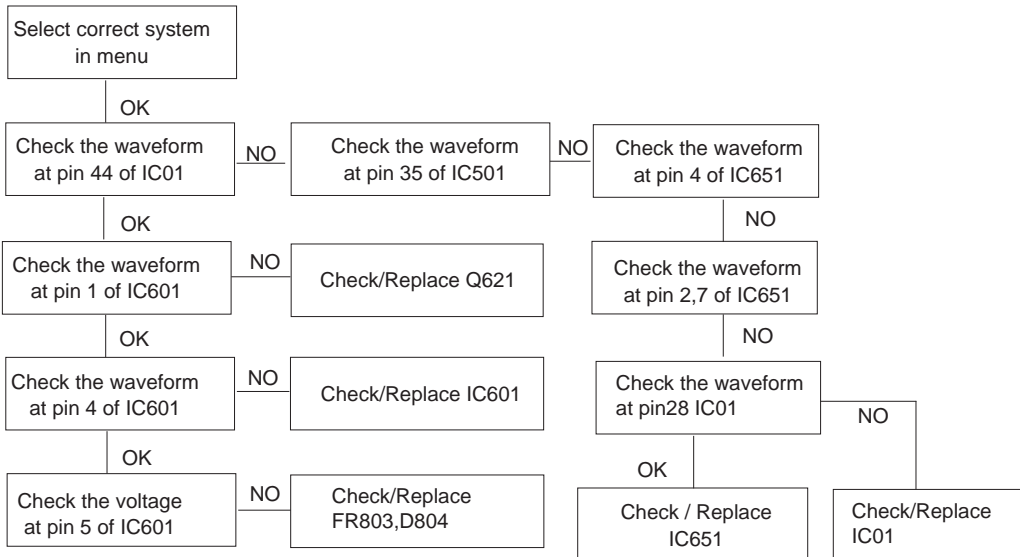
Press the OK(■) button to memorize the data.

# TROUBLE SHOOTING

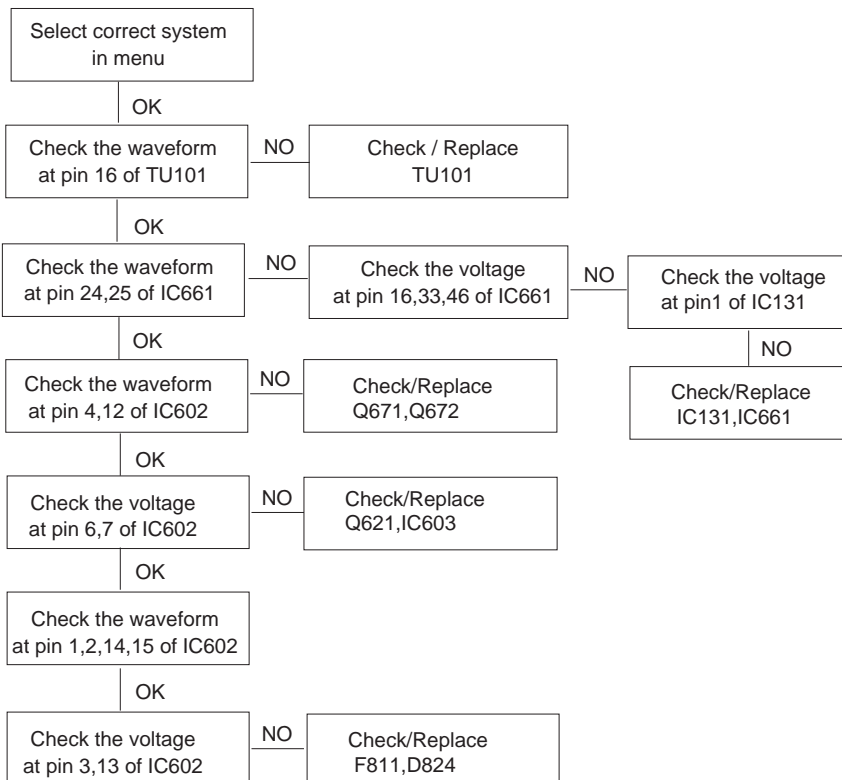


**NO SOUND / PICTURE OK**

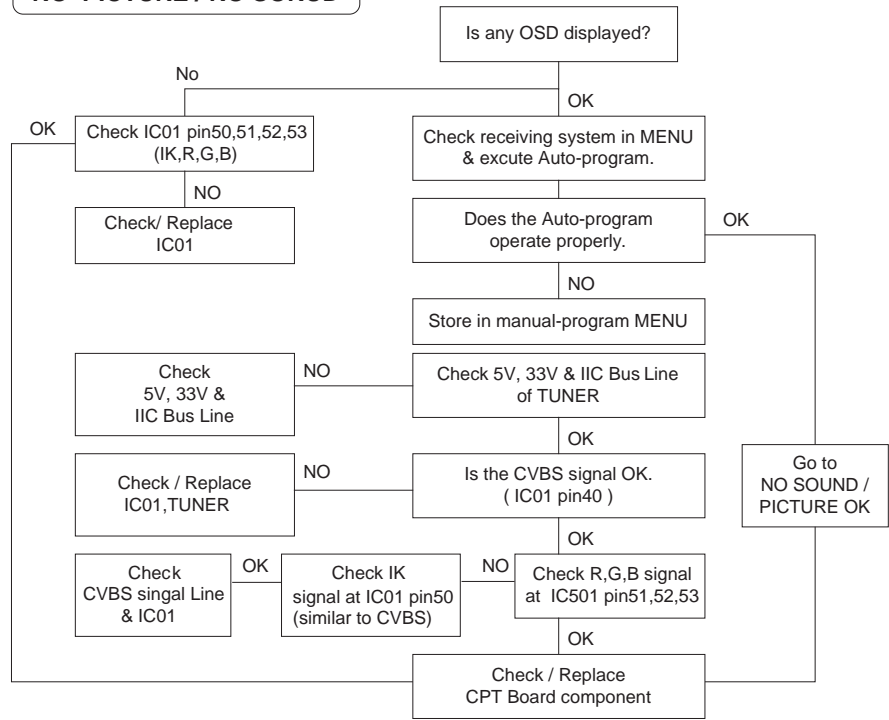
**MONO**



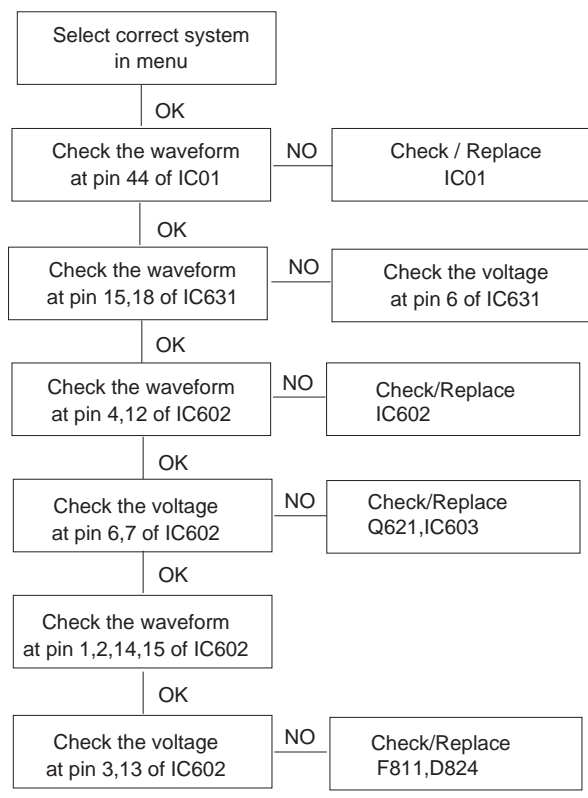
**RF STEREO**



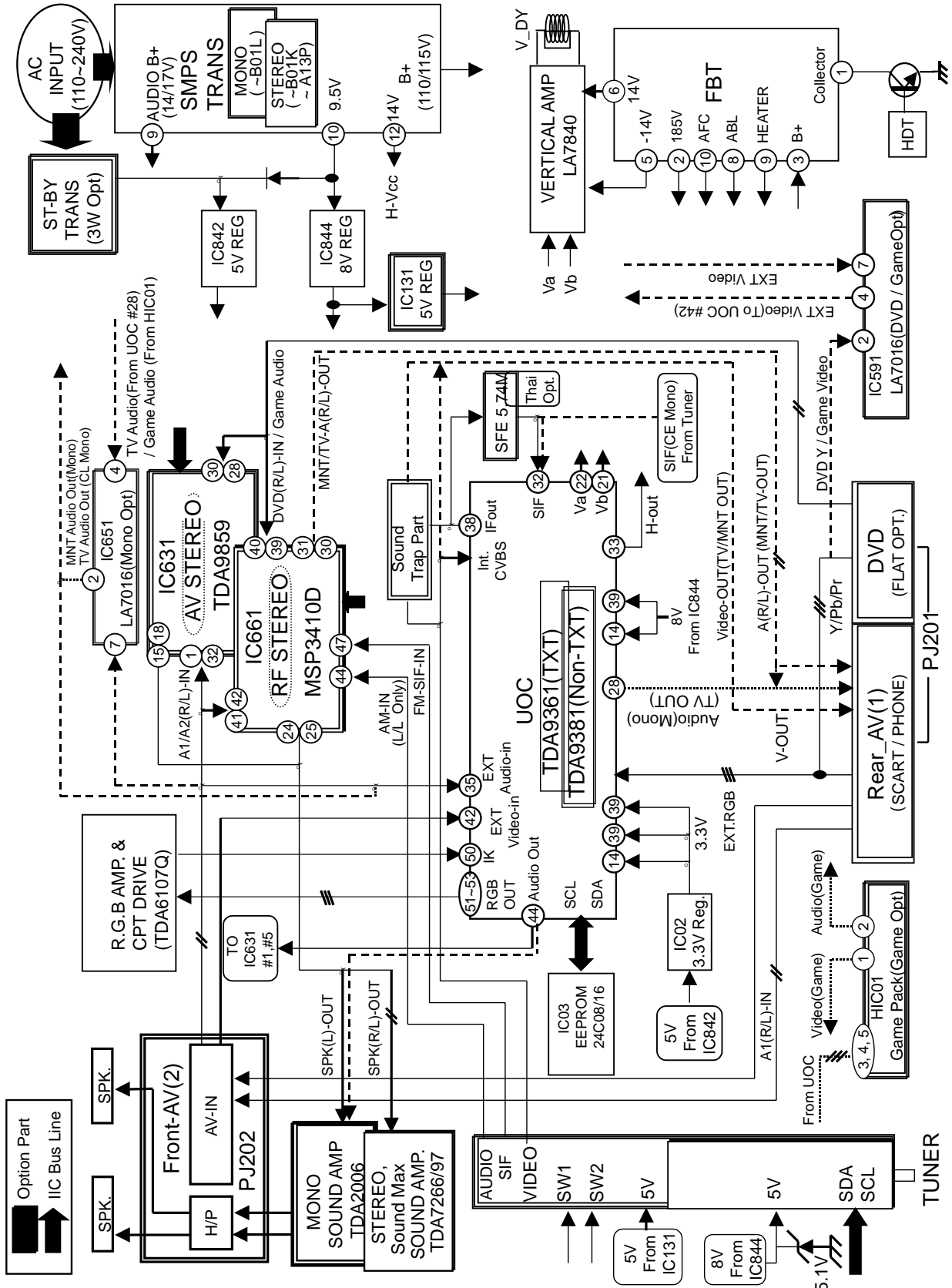
**NO PICTURE / NO SONUD**



**AV STEREO**



# BLOCK DIAGRAM

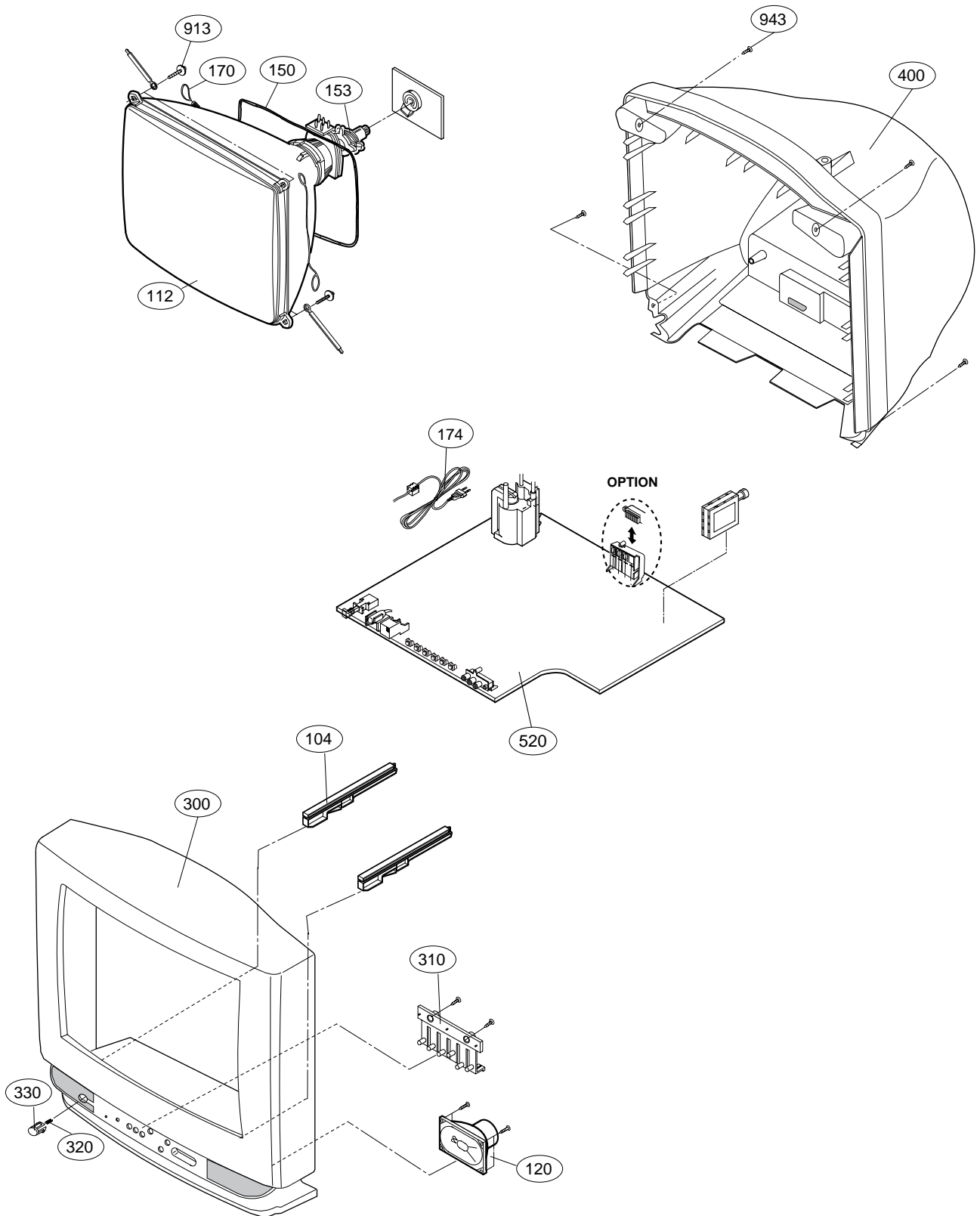








# EXPLODED VIEW : 20/21F60KX



# EXPLODED VIEW PARTS LIST

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

LOCA. NO	PART NO		DESCRIPTIONS
	20"	21"	
104	343-B52A	343-B52A	SUPPORTER,PCB
$\Delta$ 112	112-C20S	112-C21G	CPT SET
120	6400VA0019D	6400VA0019D	SPEAKER,FULLRANGE H905/020801B 8OHM
$\Delta$ 150	150-D02Y	150-D02X	COIL,DEGAUSSING
$\Delta$ 170	170-A01D	170-A01D	LEAD SET,CPT EARTH
$\Delta$ 174	174-009E	174-009E	POWER CORD(W/HOLD,HOUSING,L=200,4.0
300	3091V00205E	3091V00206E	CABINET ASSY #16
	3091V00205F	3091V00206F	CABINET ASSY #15
	3091V00205G	-	CABINET ASSY #34
310	5020V00174E	5020V00181C	BUTTON
	5020V00174F	5020V00181D	BUTTON
	5020V00174H	-	BUTTON
320	320-070U	320-070U	SPRING,COIL
330	5020V00175B	5020V00182B	BUTTON
	5020V00175A	5020V00182A	BUTTON
	5020V00175F	-	BUTTON
400	3809V00153D	3809V00153D	BACK COVER ASSEMBLY(D-GRAY V-2 SCART)
	3809V00153E	3809V00153E	BACK COVER ASSEMBLY(BK V-2 SCART)
520	6871VMM714Y	6871VMM714X	PWB ASSY,MAIN CE-F60KX
	6871VMMA27J	6871VMMA27H	PWB ASSY,MAIN CE-F60K
913	332-057J	332-057J	SCREW ASSY,HEXAGON HEAD
943	1PTF0403116	1PTF0403116	SCREW,TAP TITE(P) D4.0 L16.0 MSWR3/FZB

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Replace only with part number specified.

## REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
<b>IC</b>		
IC01	0ICTMPH006B	IC,TDA9361PS/N2/4/0703 PHILIPS 64
"	0ICTMPH007A	IC,TDA9381PS/N2/3
IC02	0ISG111733B	IC,LD1117V33C 3SIP ST REGULATOR
IC03	0IAL241600B	IC,AT24C16-10PC 8D EEPROM 16K
IC130	0IMCRSG004A	IC,L7805CV SGS-THOMSON 3PIN TO220
IC301	0ISA784070A	IC,LA7840 7S VERTICAL
IC621	0ISG200600A	IC,TDA2006 5Z 1CHX10W AUDIO AMP.
$\Delta$ IC801	0ILI817000G	IC,LTV817M-VB 4P,DIP BK PHOTO COU
$\Delta$ IC802	0ILI817000G	IC,LTV817M-VB 4P,DIP BK PHOTO COU
$\Delta$ IC803	0ISK665413C	IC,STR-F6654R(LF1352) 5 SIP BK ST
$\Delta$ IC804	0ISK110000A	IC,SE110N(LF12) 3P 110V ERROR AMP
IC842	0IMCRUK002A	IC,S78DL05 AUK 3P,TO92 TP 5V-REGU
IC844	0IMCRKE001A	IC,KIA78R08PI KEC 4PIN,TO220IS-4
IC901	0IPH610700A	IC,TDA6107Q SIP9 BK VIDEO OUT AMP
<b>DIODE</b>		
D301	0DD400509AA	DIODE,RECTIFIERS 1N4005 TP
D401	0DD150009CA	DIODE,RECTIFIERS RGP15J TP
D441	0DD060009AC	DIODE,RECTIFIERS TVR06J TP
D442	0DD060009AC	DIODE,RECTIFIERS TVR06J TP
D443	0DD060009AC	DIODE,RECTIFIERS TVR06J TP
D501	0DD414809ED	DIODE,1N4148 TA
D571	0DD414809ED	DIODE,1N4148 TA
D802	0DD100009AM	DIODE,RECTIFIERS EU1ZV(1)
D803	0DD414809ED	DIODE,1N4148 TA
D804	0DD360009AA	DIODE,RECTIFIERS BYW36 TP (2A/600V)
D805	0DD200009AH	DIODE,RECTIFIERS RU2AMV(1)
D806	0DD100009AM	DIODE,RECTIFIERS EU1ZV(1)
D807	0DD300009AC	DIODE,RECTIFIER RU3AMV(1)
D808	0DD060009AC	DIODE,RECTIFIERS TVR06J TP
D816	0DD060009AC	DIODE,RECTIFIERS TVR06J TP
D901	0DR210009AC	DIODE,RECTIFIERS BAV21 TP DO35 200V 0.2
D902	0DR210009AC	DIODE,RECTIFIERS BAV21 TP DO35 200V 0.2
D903	0DR210009AC	DIODE,RECTIFIERS BAV21 TP DO35 200V 0.2
D904	0DR140049AC	DIODE,RECTIFIERS 1N4004A T-81
$\Delta$ DB801	0DD260000BB	DIODE,RECTIFIERS BRIDGE D2SBA60(STK)
LD01	4930V00183B	HOLDER LED MODULE ASSY . 4PIN
ZD101	0DZ510009AK	DIODE,ZENERS GDZJ5.1B TP GRANDE DO34 0.5W
ZD441	0DZ620009AK	DIODE,ZENERS GDZJ6.2B TP GRANDE DO34 0.5W
ZD442	0DZ820009BF	DIODE,ZENERS GDZJ8.2B TP GRANDE DO34 0.5W
ZD443	0DZ330009DG	DIODE,ZENERS GDZJ33B TP GRANDE DO34 0.5W
ZD501	0DZ820009BF	DIODE,ZENERS GDZJ8.2B TP GRANDE DO34 0.5W
<b>TRANSISTOR</b>		
Q01	0TR198009BA	TR,2SA1980Y TP AUK - -
Q301	0TR198009BA	TR,2SA1980Y TP AUK - -
Q402	0TR570200AA	TR,KSD5702 BK SAMSUNG TO3PF H-OUT
Q442	0TR233109AA	TR,KSC2331-Y TP SAMSUNG TO-92L
Q551	0TR198009BA	TR,2SA1980Y TP AUK - -
Q555	0TR534309AA	TR,2SC5343Y TP AUK - -
Q571	0TR198009BA	TR,2SA1980Y TP AUK - -

LOCA. NO	PART NO	DESCRIPTION
Q621	0TR534309AA	TR,2SC5343Y TP AUK - -
Q651	0TR534309AA	TR,2SC5343Y TP AUK - -
Q653	0TR198009BA	TR,2SA1980Y TP AUK - -
Q801	0TR102009AB	TR,KRC102M,TP(KRC1202),KEC
Q802	0TR102009AB	TR,KRC102M,TP(KRC1202),KEC
Q806	0TR102009AB	TR,KRC102M,TP(KRC1202),KEC
<b>CAPACITOR</b>		
C01	0CN1020K519	1000P 50V K B TA52
C02	0CN1030F679	10000P 16V M Y TA52
C03	0CE107DD618	100UF STD 10V M FL TP5
C04	0CC2200K415	22P 50V J NPO TS
C05	0CC2200K415	22P 50V J NPO TS
C07	0CE107DD618	100UF STD 10V M FL TP5
C21	0CE107DD618	100UF STD 10V M FL TP5
C51	0CN1030F679	10000P 16V M Y TA52
C102	0CE105DK618	1UF STD 50V M FL TP5
C107	0CE107DD618	100UF STD 10V M FL TP5
C109	0CE476DK618	47UF STD 50V M FL TP5
C113	0CN1020K519	1000P 50V K B TA52
C121	0CN1010K519	100P 50V K B TA52
C131	0CE107DD618	100UF STD 10V M FL TP5
C201	0CE227DD618	220UF STD 10V M FL TP5
C202	0CN4710K519	470P 50V K B TA52
C207	0CN4710K519	470P 50V K B TA52
C209	0CE226DF618	22UF STD 16V M FL TP5
C210	0CN1030F679	10000P 16V M Y TA52
C212	0CN1010K519	100P 50V K B TA52
C255	0CN1020K519	1000P 50V K B TA52
C256	0CN1020K519	1000P 50V K B TA52
C257	0CN1020K519	1000P 50V K B TA52
C260	0CE226DF618	22UF STD 16V M FL TP5
C262	0CN1010K519	100P 50V K B TA52
C301	0CQ1041N509	0.1U 100V K POLY TP
C302	0CQ3931N509	0.0390UF 100V K PE TP
C303	0CK1810W515	180P 500V K B TS
C304	0CE107DJ618	100UF STD 35V M FL TP5
C307	0CQ6821N509	0.0068U 100V K POLY TP
C401	181-013Q	MPP 400V 0.36UF J
"(21)"	181-013Z	MPP 400V 0.30UF J
C402	0CE475DP618	4.7UF STD 160V 20% FL TP 5
C403	181-015J	MPP 1600V 0.0086UF H
"(21)"	181-015E	MPP 1600V 0.0068UF H
C404	0CK8210W515	820P 500V K B TS
C405	181-091U	R 220PF 2KV 10%,-10% R/TP TP7.
C441	0CQ1531N509	0.015U 100V K POLY TP
C443	0CE477DH618	470UF STD 25V M FL TP5
C444	0CE475DR618	4.7UF STD 250V 20% FL TP 5
C446	0CE477DH618	470UF STD 25V M FL TP5
C447	0CQ3321N509	0.0033U 100V K POLY TP
C449	181-009V	PP 200V 0.047UF K
C452	0CE106DK618	10UF STD 50V M FL TP5
C501	0CF2241L438	0.22UF D 63V 5% TP 5 M/PE NI

For Capacitor & Resistors, the characters at 2nd and 3rd digit in the P/No. means as follows;

CC, CX, CK, CN : Ceramic  
CQ : Polyester  
CE : Electrolytic

RD : Carbon Film  
RS : Metal Oxide Film  
RN : Metal Film  
RF : Fusible

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

LOCA. NO	PART NO	DESCRIPTION
C502	0CN1030F679	10000P 16V M Y TA52
C503	0CE107DD618	100UF STD 10V M FL TP5
C504	0CE225DK618	2.2UF STD 50V 20% FL TP 5
C505	0CQ2221N509	0.0022U 100V K POLY TP
C506	0CE105DK618	1UF STD 50V M FL TP5
C507	0CQ2221N509	0.0022U 100V K POLY TP
C509	0CE106DF618	10UF STD 16V M FL TP5
C511	0CE105DK618	1UF STD 50V M FL TP5
C512	0CN1020K519	1000P 50V K B TA52
C513	0CN1020K519	1000P 50V K B TA52
C516	0CQ3321N509	0.0033U 100V K POLY TP
C517	0CE106DF618	10UF STD 16V M FL TP5
C518	0CN1030F679	10000P 16V M Y TA52
C519	0CF1041N450	0.1UF D 100V 5% BULK PP NI
C524	0CN1030F679	10000P 16V M Y TA52
C529	0CE225CK636	2.2UF SHL,SD 50V 20% FM5 BP(D)
C531	0CN1020K519	1000P 50V K B TA52
C532	0CE225DK618	2.2UF STD 50V 20% FL TP 5
C533	0CE476DF618	47UF STD 16V M FL TP5
C534	0CN1030F679	10000P 16V M Y TA52
C535	0CN1010K519	100P 50V K B TA52
C538	0CF4741L438	0.47UF D 63V 5% TP 5 M/PE NI
C540	0CN2230H949	22000P 25V Z FTA52
C541	0CN2230H949	22000P 25V Z FTA52
C542	0CN2230H949	22000P 25V Z FTA52
C548	0CN8210K519	820P 50V K B TA52
C549	0CQ4721N509	0.0047U 100V K POLY TP
C553	0CN1030F679	10000P 16V M Y TA52
C561	0CE107DD618	100UF STD 10V M FL TP5
C574	0CQ1021N509	0.001U 100V K POLY TP
C594	0CQ1041N509	0.1U 100V K POLY TP
C601	0CE226DF618	22UF STD 16V M FL TP5
C612	0CE477DJ618	470UF STD 35V 20% FL TP 5
C621	0CQ6821N509	0.0068U 100V K POLY TP
C622	0CE225DK618	2.2UF STD 50V 20% FL TP 5
C623	0CE106DH618	10UF STD 25V M FL TP5
C624	0CE477DJ618	470UF STD 35V 20% FL TP 5
C625	0CQ1041N509	0.1U 100V K POLY TP
C626	0CE226DK618	22UF STD 50V M FL TP5
C801	0CE107BJ618	100UF KME 35V M FL TP5
C802	181-091U	R 220PF 2KV 10%,-10% R/TP TP7.
C803	0CK4710W515	470PF 500V K B TR
C804	0CQ1041N509	0.1U 100V K POLY TP
$\Delta$ C806	181-001E	CE 400V 120UF M LUG (85)
C807	0CK10201515	1000P 1KV K B TS
C808	0CK10201515	1000P 1KV K B TS
$\Delta$ C809	0CQZVBK002C	A.C 275V 0.22UF K (S=22.5)
$\Delta$ C811	181-120K	2200PF 4KV M E FMTW LEAD 4.5
$\Delta$ C812	0CE477DJ618	470UF STD 35V 20% FL TP 5
C813	0CK4710W515	470PF 500V K B TR
C815	0CK4710W515	470PF 500V K B TR
C816	0CN1030F679	10000P 16V M Y TA52

LOCA. NO	PART NO	DESCRIPTION
C817	0CK4710W515	470PF 500V K B TR
C818	0CE107BH618	100UF KME 25V M FL TP5
C819	181-091Y	R 680PF 2KV 10%,-10% R/TP TP7.
C820	0CE227DP650	220UF STD 160V M FM7.5 BULK
C821	181-120N	1000PF 4KV M E FMTW LEAD4.5
C823	0CK4710K515	470PF 50V K B TR
C825	181-091P	SL 270PF 1KV 10%,-10% R/TP TP5
C828	0CE107DF618	100UF STD 16V M FL TP5
C829	0CF1021047A	1000PF D 800V 5% TP 7.5 M/PP N
C830	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C831	0CE108BF618	1000UF KME 16V M FL TP5
C832	181-091P	SL 270PF 1KV 10%,-10% R/TP TP5
C834	0CE476CP618	47UF SHL,SD 160V 20% FL TP 5
C835	0CE107DF618	100UF STD 16V M FL TP5
C841	0CE477DD618	470UF STD 10V M FL TP5
C901	0CE475DR618	4.7UF STD 250V 20% FL TP 5
C902	0CQ1044R539	0.1UF TE 250V K M/PE NI TP5
C903	0CK12202510	1200P 2KV K B S
C904	0CE475DR618	4.7UF STD 250V 20% FL TP 5
C905	0CN5610K519	560P 50V K B TA52
<b>FUSE</b>		
$\Delta$ F801	0FS4001B53C	FUSE,SLOW BLOW 4000MA 250 V 5.2X20
$\Delta$ F812	131-096N	FUSE,FAST BLOW 4000MA 125 V 2.5X7.6
<b>COIL &amp; TRANSFORMER</b>		
J57	0LA0102K119	INDUCTOR,10UH K 2.3*3.4 TP
J136	0LA0102K119	INDUCTOR,10UH K 2.3*3.4 TP
L04	0LA1000K119	INDUCTOR,100UH K 2.3*3.4 TP
L05	0LA0102K119	INDUCTOR,10UH K 2.3*3.4 TP
L203	0LA0102K119	INDUCTOR,10UH K 2.3*3.4 TP
L205	0LA0102K119	INDUCTOR,10UH K 2.3*3.4 TP
L251	0LA0102K119	INDUCTOR,10UH K 2.3*3.4 TP
L253	0LA0472K119	INDUCTOR,47UH K 2.3*3.4 TP
L254	0LA0472K119	INDUCTOR,47UH K 2.3*3.4 TP
$\Delta$ L402	150-L02C	COIL,LINEARITY 170UH
"(21")	150-L01Z	COIL,LINEARITY 97UH
L501	0LA0102K119	INDUCTOR,10UH K 2.3*3.4 TP
L502	0LA0102K119	INDUCTOR,10UH K 2.3*3.4 TP
L503	0LA0102K119	INDUCTOR,10UH K 2.3*3.4 TP
L506	0LA0102K119	INDUCTOR,10UH K 2.3*3.4 TP
L801	150-C02F	COIL,CHOKE 82UH
L901	150-C02A	COIL,CHOKE 10UH
R443	0LA0101K119	INDUCTOR,1.0UH K 2.3*3.4 TP
R545	0LA0681K119	INDUCTOR,6.8UH K 2.3*3.4 TP
R546	0LA0681K119	INDUCTOR,6.8UH K 2.3*3.4 TP
R547	0LA0681K119	INDUCTOR,6.8UH K 2.3*3.4 TP
$\Delta$ T401	6174V-6002T	FBT FSV21C101 21" SAM SUNG LGEMA
$\Delta$ T402	6170VC0003C	TRANSFORMER,H-DRIVER DRUM 10*12
$\Delta$ T802	6170VMCB01L	TRANSFORMER,SMPS EER3940 500UH,MONO-ONLY

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LOCA. NO	PART NO	DESCRIPTION
<b>CONNECTOR</b>		
P301	366-043K	CONNECTOR (CIRC),PLUG(4P)
P802	366-043B	CONNECTOR (CIRC)ASSY,PLUG(2P)
P902	387-603E	CONNECTOR ASSY,9PIN (IL-J)
P903	366-009D	CONNECTOR (CIRC),2.36PAI 1P
<b>RESISTOR</b>		
C546	ORD1103F609	110K OHM 1/6 W 5.00% TA52
D813	ORS0272H609	27 OHM 1/2 W 5.00% TA52
$\Delta$ FR441	ORF0470J607	0.47 OHM 1 W 5.00% TA62
$\Delta$ FR442	ORF0101J607	1 OHM 1 W 5.00% TA62
"(21")	ORF0121K607	1.2 OHM 2 W 5.00% TA62
$\Delta$ FR443	ORF0470J607	0.47 OHM 1 W 5.00% TA62
$\Delta$ FR802	ORF0470H609	0.47 OHM 1/2 W 5.00% TA52
$\Delta$ FR803	ORF0470K607	0.47 OHM 2 W 5.00% TA62
J30	ORD2200F609	220 OHM 1/6 W 5.00% TA52
J33	ORD2200F609	220 OHM 1/6 W 5.00% TA52
J39	ORD2200F609	220 OHM 1/6 W 5.00% TA52
J69	ORD1000F609	100 OHM 1/6 W 5.00% TA52
J101	ORD2002F609	20K OHM 1/6 W 5.00% TA52
J154	ORD1101F609	1.1K OHM 1/6 W 5.00% TA52
L01	ORD1500F609	150 OHM 1/6 W 5.00% TA52
L10	ORD0102F609	10 OHM 1/6 W 5.00% TA52
L210	ORD0101F609	1 OHM 1/6 W 5.00% TA52
R01	ORD1002F609	10K OHM 1/6 W 5.00% TA52
R03	ORD1000F609	100 OHM 1/6 W 5.00% TA52
R04	ORD3301F609	3.3K OHM 1/6 W 5.00% TA52
R05	ORD3301F609	3.3K OHM 1/6 W 5.00% TA52
R06	ORD4701F609	4.7K OHM 1/6 W 5.00% TA52
R07	ORD4701F609	4.7K OHM 1/6 W 5.00% TA52
R09	ORD1000F609	100 OHM 1/6 W 5.00% TA52
R10	ORD1000F609	100 OHM 1/6 W 5.00% TA52
R13	ORD1000F609	100 OHM 1/6 W 5.00% TA52
R14	ORD1603F609	160K OHM 1/6 W 5.00% TA52
R16	ORD4701F609	4.7K OHM 1/6 W 5.00% TA52
R18	ORD1203F609	120K OHM 1/6 W 5.00% TA52
R21	ORD2201F609	2.2K OHM 1/6 W 5.00% TA52
R22	ORD3902F609	39K OHM 1/6 W 5.00% TA52
R23	ORD2200F609	220 OHM 1/6 W 5.00% TA52
R25	ORD1201F609	1.2K OHM 1/6 W 5.00% TA52
R26	ORD1601F609	1.6K OHM 1/6 W 5.00% TA52
R27	ORD3601F609	3.6K OHM 1/6 W 5.00% TA52
R29	ORD1201F609	1.2K OHM 1/6 W 5.00% TA52
R51	ORD1000F609	100 OHM 1/6 W 5.00% TA52
R52	ORD1000F609	100 OHM 1/6 W 5.00% TA52
R105	ORD1000F609	100 OHM 1/6 W 5.00% TA52
R106	ORD1000F609	100 OHM 1/6 W 5.00% TA52
R107	ORS0272J607	27 OHM 1 W 5.00% TA62
R201	ORD0682F609	68 OHM 1/6 W 5.00% TA52
R204	ORD0752F609	75 OHM 1/6 W 5.00% TA52
R205	ORD0822F609	82 OHM 1/6 W 5.00% TA52

LOCA. NO	PART NO	DESCRIPTION
R206	ORD0822F609	82 OHM 1/6 W 5.00% TA52
R207	ORD0822F609	82 OHM 1/6 W 5.00% TA52
R208	ORD1001F609	1K OHM 1/6 W 5.00% TA52
R251	ORD0822F609	82 OHM 1/6 W 5.00% TA52
R254	ORD2200H609	220 OHM 1/2 W 5.00% TA52
R255	ORD2200H609	220 OHM 1/2 W 5.00% TA52
R301	ORD0101F609	1 OHM 1/6 W 5.00% TA52
R302	ORN1201F409	1.2K OHM 1/6 W 1.00% TA52
"(21")	ORN1501F409	1.5K OHM 1/6 W 1.00% TA52
R304	ORD0221H609	2.2 OHM 1/2 W 5.00% TA52
R305	ORD0221H609	2.2 OHM 1/2 W 5.00% TA52
R306	ORS2700K607	270 OHM 2 W 5.00% TA62
R307	ORD1201F609	1.2K OHM 1/6 W 5.00% TA52
"(21")	ORD1501F609	1.5K OHM 1/6 W 5.00% TA52
R310	ORD1801F609	1.8K OHM 1/6 W 5.00% TA52
R311	ORD4701H609	4.7K OHM 1/2 W 5.00% TA52
R312	ORD2201F609	2.2K OHM 1/6 W 5.00% TA52
R313	ORD1002F609	10K OHM 1/6 W 5.00% TA52
R401	ORD1501H609	1.5K OHM 1/2 W 5.00% TA52
R402	ORS2702K607	27K OHM 2 W 5.00% TA62
R442	ORD5100H609	510 OHM 1/2 W 5.00% TA52
R444	ORD0392H609	39 OHM 1/2 W 5.00% TA52
R446	ORD1001F609	1K OHM 1/6 W 5.00% TA52
R447	ORD3301F609	3.3K OHM 1/6 W 5.00% TA52
"(21")	ORD3901F609	3.9K OHM 1/6 W 5.00% TA52
R450	ORD4701H609	4.7K OHM 1/2 W 5.00% TA52
R451	ORD1200H609	120 OHM 1/2 W 5.00% TA52
R453	ORS3302H609	33K OHM 1/2 W 5.00% TA52
"(21")	ORS4702H609	47K OHM 1/2 W 5.00% TA52
R455	ORS2702K607	27K OHM 2 W 5.00% TA62
R456	ORS5102H609	51K OHM 1/2 W 5.00% TA52
"(21")	ORS2702H609	27K OHM 1/2 W 5.00% TA52
R501	ORD2202F609	22K OHM 1/6 W 5.00% TA52
R502	ORD1002F609	10K OHM 1/6 W 5.00% TA52
R504	ORN3902F409	39K OHM 1/6 W 1.00% TA52
R506	ORD1001F609	1K OHM 1/6 W 5.00% TA52
R518	ORD3302F609	33K OHM 1/6 W 5.00% TA52
R521	ORD1000F609	100 OHM 1/6 W 5.00% TA52
R522	ORD2702F609	27K OHM 1/6 W 5.00% TA52
R523	ORD1003F609	100K OHM 1/6 W 5.00% TA52
R524	ORD3001F609	3K OHM 1/6 W 5.00% TA52
R537	ORD1000F609	100 OHM 1/6 W 5.00% TA52
R538	ORD1000F609	100 OHM 1/6 W 5.00% TA52
R539	ORD1000F609	100 OHM 1/6 W 5.00% TA52
R540	ORD1000F609	100 OHM 1/6 W 5.00% TA52
R542	ORD1002F609	10K OHM 1/6 W 5.00% TA52
R544	ORD2701F609	2.7K OHM 1/6 W 5.00% TA52
R551	ORD3300F609	330 OHM 1/6 W 5.00% TA52
R552	ORD3300F609	330 OHM 1/6 W 5.00% TA52
R558	ORD4701F609	4.7K OHM 1/6 W 5.00% TA52
R559	ORD1800F609	180 OHM 1/6 W 5.00% TA52
R572	ORD5600F609	560 OHM 1/6 W 5.00% TA52

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LOCA. NO	PART NO	DESCRIPTION
R573	ORD2403F609	240K OHM 1/6 W 5.00% TA52
R621	ORD9102F609	91K OHM 1/6 W 5.00% TA52
R622	ORD6801F609	6.8K OHM 1/6 W 5.00% TA52
R623	ORD1003F609	100K OHM 1/6 W 5.00% TA52
R624	ORD1003F609	100K OHM 1/6 W 5.00% TA52
R625	ORD1003F609	100K OHM 1/6 W 5.00% TA52
R626	ORD5101F609	5.1K OHM 1/6 W 5.00% TA52
R627	ORD3301F609	3.3K OHM 1/6 W 5.00% TA52
R628	ORD0331H609	3.3 OHM 1/2 W 5.00% TA52
R651	ORD4700F609	470 OHM 1/6 W 5.00% TA52
R652	ORD2200F609	220 OHM 1/6 W 5.00% TA52
R657	ORD4300F609	430 OHM 1/6 W 5.00% TA52
R660	ORD4702F609	47K OHM 1/6 W 5.00% TA52
R801	ORD2701F609	2.7K OHM 1/6 W 5.00% TA52
R802	ORD2201F609	2.2K OHM 1/6 W 5.00% TA52
R803	ORD1001F609	1K OHM 1/6 W 5.00% TA52
R804	ORD4701F609	4.7K OHM 1/6 W 5.00% TA52
R805	180-A01M	0.22 OHM 2 W 5% TA62 RW ROUND
R806	ORD2401F609	2.4K OHM 1/6 W 5.00% TA52
R808	ORD4701F609	4.7K OHM 1/6 W 5.00% TA52
R809	ORS4702K607	47K OHM 2 W 5.00% TA62
R812	ORK8204H609	8.2M OHM 1/2 W 5.00% TA52
R813	ORD1002F609	10K OHM 1/6 W 5.00% TA52
R814	ORD0221H609	2.2 OHM 1/2 W 5.00% TA52
R815	ORD0751H609	7.5 OHM 1/2 W 5.00% TA52
R816	ORD2001F609	2K OHM 1/6 W 5.00% TA52
R903	ORD2200F609	220 OHM 1/6 W 5.00% TA52
R904	ORD2200F609	220 OHM 1/6 W 5.00% TA52
R905	ORD2200F609	220 OHM 1/6 W 5.00% TA52
R906	ORD1000F609	100 OHM 1/6 W 5.00% TA52
R907	ORD1000F609	100 OHM 1/6 W 5.00% TA52
R908	ORD1000F609	100 OHM 1/6 W 5.00% TA52
R909	ORS1501H609	1.5K OHM 1/2 W 5.00% TA52
R910	ORS1501H609	1.5K OHM 1/2 W 5.00% TA52
R911	ORS1501H609	1.5K OHM 1/2 W 5.00% TA52
R912	ORD2204H609	2.2M OHM 1/2 W 5.00% TA52
RC801	180-822N	RWR 7W 1.0 OHM J PD
<b>SWITCH</b>		
SW01	140-315A	SWITCH,TACT SKHV17910B LG C&D NON 12V
SW02	140-315A	SWITCH,TACT SKHV17910B LG C&D NON 12V
SW03	140-315A	SWITCH,TACT SKHV17910B LG C&D NON 12V
SW04	140-315A	SWITCH,TACT SKHV17910B LG C&D NON 12V
SW05	140-315A	SWITCH,TACT SKHV17910B LG C&D NON 12V
SW06	140-315A	SWITCH,TACT SKHV17910B LG C&D NON 12V
$\Delta$ SW801	6600VM2002A	SWITCH,SDKEA3 ALPS IEC 250V 8A HORIZO
<b>FILTER &amp; CRYSTAL</b>		
FB801	125-022R	FILTER,EMC BI3857 FEELUX 5.7X3.6MM
FB802	125-022R	FILTER,EMC BI3857 FEELUX 5.7X3.6MM
FB803	125-022R	FILTER,EMC BI3857 FEELUX 5.7X3.6MM
L201	125-022R	FILTER,EMC BI3857 FEELUX 5.7X3.6MM

LOCA. NO	PART NO	DESCRIPTION
L255	125-123A	FILTER,EMC FERRITE BFD3565R2F(TAPING)
L260	125-022R	FILTER,EMC BI3857 FEELUX 5.7X3.6MM
T801	150-F06W	FILTER,EMC SQE2930 36MH 0.5PHY 105TURN
X01	156-A02B	RESONATOR,CRYSTAL HC49U 12.000MHZ 30P
<b>ACCESSORIES</b>		
A1	3828VA0271N	MANUAL,OWNERS MC019A NON LG RO
A2	6710V00070A	REMOTE CONTROLLER MC-019A,W/ TXT.34KEY .
A2	6710V00070B	REMOTE CONTROLLER MC-019A,W/OTXT
A3	5010V00004B	ANTENNA 2 POLE 3 SECTION 700MM 750MM N
<b>MISCELLANEOUS</b>		
PA01	6726VV0006H	REMOTE CONTROLLER RECEIVER 38KHZ
PJ201	381-091A	SOCKET,S-091A 21PIN H
PJ202	6613V00006C	JACK ASSY,PJ6062C 2P<YL(SW)WH(SW)>+
$\Delta$ SK901	6620VBC003A	SOCKET,CPT PCS030A 8PIN 14/360
$\Delta$ TH801	163-054F	THERMISTOR,J502P84D140M290Q
TU101	6700VPF009Q	TUNER,TAFL-M232D MULTI FS 2IN1 3S
VD801	164-003G	VARIATOR,TVR621D14A 620V 10% U