

# Service Manual

## Color Television

CHASSIS : CN-014

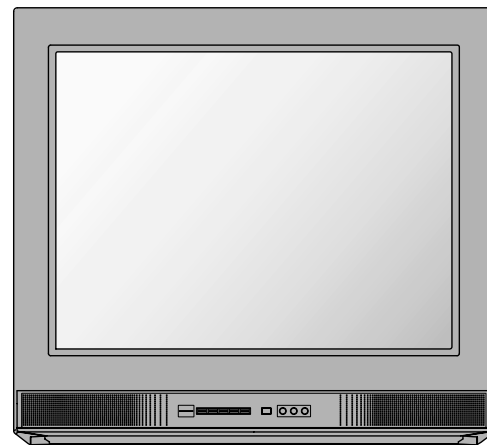
Model :

DTQ-29S5FC

DTQ-26S5FC

U.S.A

Canada



### SPECIFICATIONS

ITEMS	MODEL	DTQ-29S5FC	DTQ-26S5FC
TV STANDARD		NTSC-M	
POWER INPUT		AC 120V 60Hz	
POWER CONSUMPTION		100W	
TUNING SYSTEM		Frequency Synthesizer(FS) Tuning System	
TUNING RANGES		VHF:2~13(12) UHF:14~69(65) CATV:1~125(125)	
SOUND OUTPUT		1.8W×1.8W	
SPEAKER		3W 8ohm	
ANTENNA INPUT IMPEDANCE		75ohm Unbalanced	
AUXILIARY INPUT TERMINAL		Front:Video, Audio Rear:Video2, Audio2, S-Video	
INTERMEDIATE FREQUENCIES		Picture IF Carrier Frequency :45.75MHz Sound IF Carrier Frequency :41.25MHz Color Sub-Carrier Frequency :3.57945MHz	
REMOTE CONTROL		R-43A08(AA)	
SPECIAL FUNCTIONS		3-Language OSD With CAPTION Wake-up On/Off Time Sleep Timer Power Restore	

**DAEWOO ELECTRONICS CO., LTD**

<http://svc.dwe.co.kr>

SEP. 2002

## TABLE OF CONTENTS

SAFETY INSTRUCTION .....	2
SPECIFICATIONS .....	4
CIRCUIT BLOCK DIAGRAM .....	5
ALIGNMENT INSTRUCTIONS .....	6
1. SERVICE MODE ADJUSTMENTS .....	6
2. ASSEMBLY ADJUSTMENTS .....	8
SCHEMATIC DIAGRAM .....	11
EXPLODED VIEW .....	12
PRINTED CIRCUIT BOARD .....	13
SERVICE PARTS LIST .....	14
1. DIFFERENT PARTS LIST .....	22

## APPENDIX ( Appendix is provided only by internet [<http://svc.dwe.co.kr>] )

IC DESCRIPTION .....	1
TROUBLE SHOOTING CHARTS .....	7

# PRODUCT SAFETY SERVICING GUIDELINES FOR COLOR TELEVISION RECEIVERS

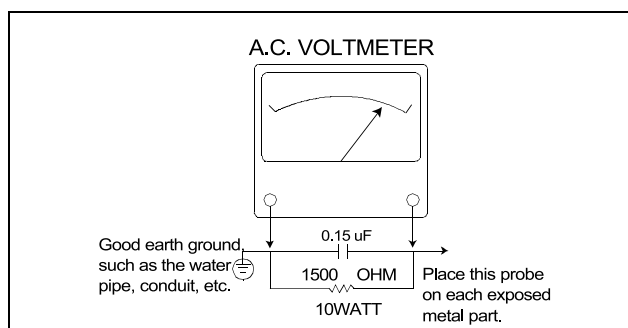
**CAUTION :** Do not attempt to modify this product in any way. Unauthorized modifications will not only void the warranty, but may lead to your being liable for any resulting property damage or user injury. Service work should be performed only after you are thoroughly familiar with all of the following safety checks and servicing guidelines. To do otherwise, increases the risk of potential hazards and injury to the user.

## SAFETY CHECKS

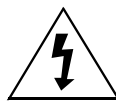
After the original service problem has been corrected, a check should be made of the following:

### SUBJECT : FIRE & SHOCK HAZARD

1. Be sure that all components are positioned in such a way as to avoid possibility of adjacent component shorts. This is especially important on those chassis which are transported to and from the repair shop.
2. Never release a repair unless all protective devices such as insulators, barriers, covers, shields, strain reliefs, and other hardware have been reinstalled per original design.
3. Soldering must be inspected to discover possible cold solder joints, frayed leads, damaged insulation (including A.C. cord), solder splashes or sharp solder points. Be certain to remove all loose foreign particles.
4. Check for physical evidence of damage or deterioration to parts and components, and replace if necessary follow original layout, lead length and dress.
5. No leads or components should touch a receiving tube or a resistor rated at 1 watt or more. Lead tension around protruding metal surfaces must be avoided.
6. All critical components such as fuses, flameproof resistors, capacitors, etc. must be replaced with exact factory types. Do not use replacement components other than those specified or make unrecommended circuit modifications.
7. After re-assembly of the set always perform an A.C. leakage test on all exposed metallic parts of the cabinet, (the channel selector knob, antenna terminals, handle and screws) to be sure the set is safe to operate without danger of electrical shock. Do not use a line isolation transformer during this test. Use an A.C. voltmeter, having 5000 ohms per volt or more sensitivity, in the following manner : connect a 1500 ohm 10 watt resistor, paralleled by a 15 mfd. 150V A.C. type capacitor between a known good earth ground (9water pipe, conduit, etc.) and the exposed metallic parts, one at a time. Measure the A.C. voltage across the combination of 1500 ohm resistor and 0.15 MFD capacitor. Reverse the A.C. plug and repeat A.C. voltage measurements for each exposed metallic part. Voltage measured must not exceed 0.75 volts R.M.S. This corresponds to 0.5 milliamp A.C. Any value exceeding this limit constitutes a potential shock hazard and must be corrected immediately.



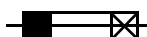
## GRAPHIC SYMBOLS :



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the service personnel to the presence of uninsulated "dangerous voltage" that may be of sufficiently magnitude to constitute a risk of electric shock.



The exclamation point within an equilateral triangle is intended to alert the service personnel to the presence of important safety information in service literature.



Fuse symbol is printed on pcb adjacent to the fuse, with "RISK OF FIRE REPLACE FUSE AS MARKED". The symbol is explained in the service manual with the following wording or equivalent.

**"CAUTION :** FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH SAME TYPE (5A, 125V)" and **"ATTENTION: AFIN D'ASSU UNE PROTECTION PERMANENTE CONTRE LES RISQUES D'INCENDIE, REMPLACER UNIQUEMENT PAR UN FUSIBLE DE MEME TYPE ET DE "5A, 125V".**

### SUBJECT : X-RADIATION

1. Be sure procedures and instructions to all service personnel cover the subject of X-rays in current T.V. receivers is the picture tube. However, this tube does not emit X-rays when the high voltage is at the factory specified level. The proper value is given in the applicable schematic. Operation at higher voltages may cause a failure of the picture tube or high voltage supply and, under certain circumstances, may produce radiation in excess of desirable levels.
2. Only factory specified C.R.T. anode connectors must be used. Degaussing shields also serve as X-ray shield in color sets. Always re-install them.
3. It is essential that the serviceman has available an accurate and reliable high voltage meter. The calibration of the meter should be checked periodically against a reference standard. Such as the one available at your distributor.
4. When the high voltage circuitry is operating properly there is no possibility of an X-radiation problem. Every time a color chassis is serviced, the brightness should be run up and down while monitoring the high voltage with a meter to be certain that the high voltage does not exceed the specified value and that it is regulating correctly. We suggest that you and your service organization review test procedures so that voltage regulation is always checked as a standard servicing procedure. And that the high voltage reading be recorded on each customer's invoice.
5. When troubleshooting and making test measurements in a receiver with a problem of excessive high voltage, avoid being unnecessarily close to the picture tube and the high voltage compartment. Do not operate the chassis longer than is necessary to locate the cause of excessive voltage.
6. Refer to HV, B+and Shutdown adjustment procedures described in the appropriate schematic and diagrams(when used).

**SUBJECT : IMPLOSION**

1. All direct viewed picture tubes are equipped with an integral implosion protection system, but care should be taken to avoid damage during installation. Avoid scratching the tube. If scratched, replace it.
2. Use only recommended factory replacement tubes.

**SUBJECT : TIPS ON PROPER INSTALLATION**

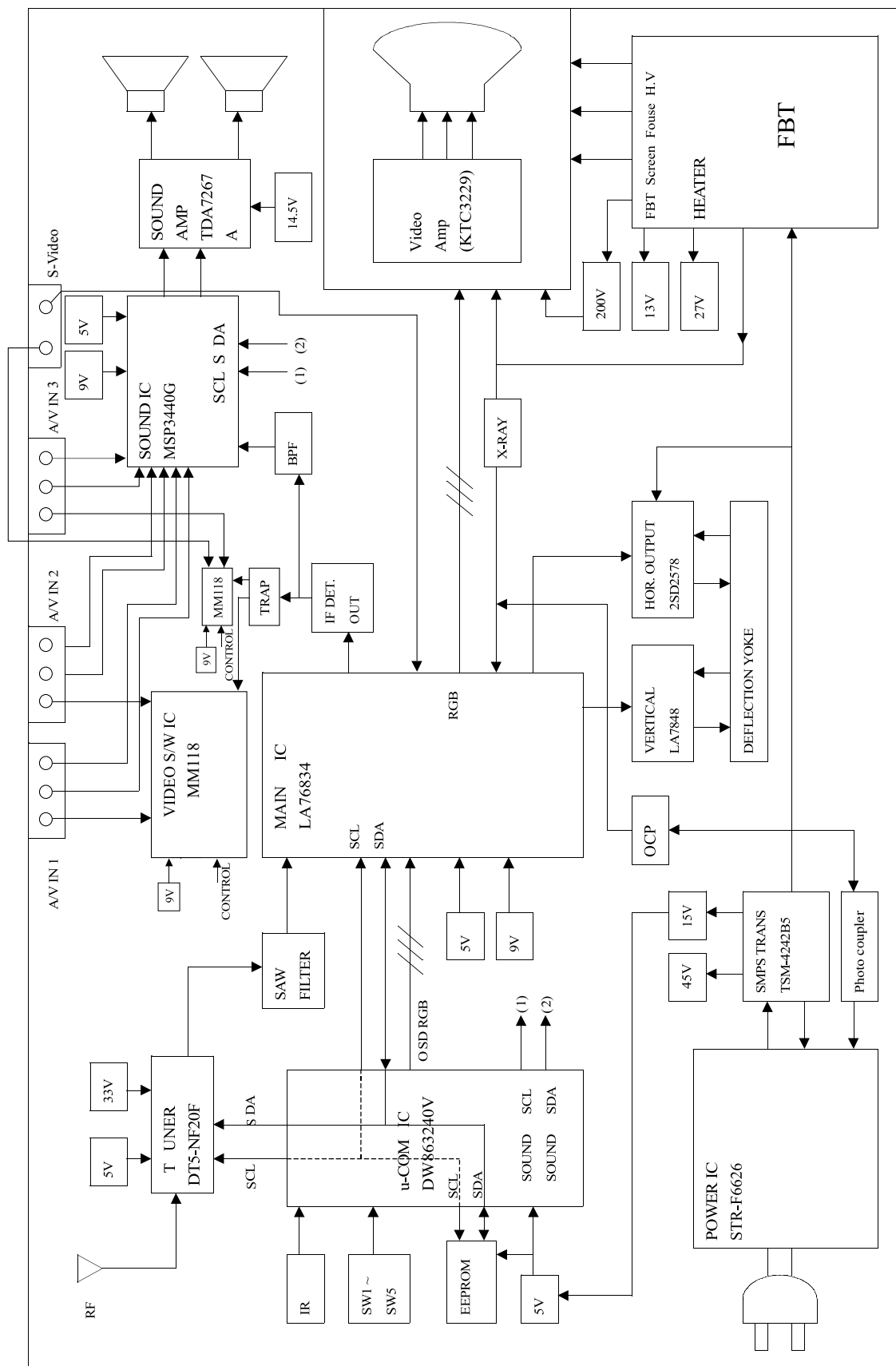
1. Never install any receiver in closed-in recess, cubbyhole or closely fitting shelf space over, or close to heat duct, or in the path of heated air flow.
2. Avoid conditions of high humidity such as : Outdoor patio installations where dew is a factor. Near steam radiators where steam leakage is a factor, etc.
3. Avoid placement where draperies may obstruct rear venting. The customer should also avoid the use of decorative scarves or other coverings which might obstruct ventilation.

4. Wall and shelf mounted installations using a commercial mounting kit, must follow the factory approved mounting instructions. A receiver mounted to a shelf or platform must retain its original feet(or the equivalent thickness in spacers) to provide adequate air flow across the bottom, bolts or screws used for fasteners must not touch and parts or wiring. Perform leakage test on customized installations.
5. Caution customers against the mounting of a receiver on sloping shelf or a tilted position, unless the receiver is properly secured.
6. A receiver on a roll-about cart should be stable on its mounting to the cart. Caution the customer on the hazards of trying to roll a cart with small casters across thresholds or deep pile carpets.
7. Caution customers against the use of a cart or stand which has not been listed by underwriters laboratories, inc. For use with their specific model of television receiver or generically approved for use with T.V. 's of the same or larger screen size.

# SPECIFICATIONS

MODEL ITEMS	DTQ-29S5FC	DTQ-26S5FC	REMARKS
TV STANDARD	NTSC-M		
POWER INPUT	AC 120V 60 Hz		
POWER CONSUMPTION	100W		
TUNING SYSTEM	Frequency Synthesizer ( FS ) Tuning System		
TUNING RANGES	VHF : 2 ~ 13 (12) UHF : 14 ~ 69 (56) CATV : 1 ~ 125 (125)		
SOUND OUTPUT	1.8W × 1.8W		
SPEAKER	3 W 8 ohm		
ANTENNA INPUT IMPEDANCE	75 ohm Unbalanced		
AUXILIARY INPUT TERMINAL	Front:Video, Audio Rear:Video2, Audio2, S-Video		
INTERMEDIATE FREQUENCIES	Picture IF Carrier Frequency : 45.75 MHz Sound IF Carrier Frequency : 41.25 MHz Color Sub-Carrier Frequency : 3.57945MHz		
REMOTE CONTROL	R-43A08(AA)		
SPECIAL FUNCTIONS	3-Language OSD With CAPTION Wake-up On/Off Time Sleep Timer Power Restore		

# CIRCUIT BLOCK DIAGRAM



# ALIGNMENT INSTRUCTIONS

## 1. SERVICE MODE ADJUSTMENTS

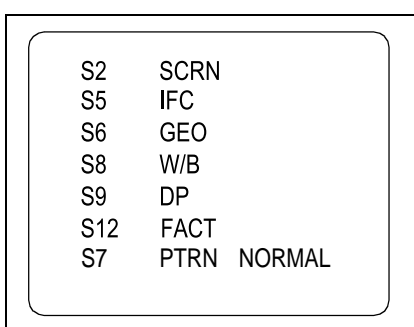
Follow the steps below whenever service adjustment is required. See Table- A and Table- B to determine if service adjustments are required.

### 1) How to enter the service mode using the user remote control.

- Turn the set on.
- Direct the remote control to the reception window of TV.
- Push buttons of remote control in sequence as follows.

**1 → MUTE → DISPLAY → MUTE**

- Then, the screen will appear as follows.



- Using the channel up or channel down button, select the item you wish to adjust.  
(The color of selected item turns into the red.)
- Press the volume up or down button to enter in the service mode you wish to adjust.

### 2) How to memorize the adjusted values in the service mode.

- Must press **DISPLAY** button the state which the screen is displaying each of service menus after all adjustments are completed each of all service menu.

**Table-A : Adjust the values of service mode when a part is replaced.**

PART REPLACED	ADJUSTMENT		NOTES								
	NECESSARY	UNNECESSARY									
I701 (U-COM)		O	Data is stored in I702.								
I101 (MAIN)		O									
I70 2 (EEPROM)	O		Initial setting values are written from I701. ADJUSTING ITEMS <table><tr><td>S5</td><td>RFAGCD</td></tr><tr><td>S6</td><td>H.PHASE/V.POSI/V.SIZE</td></tr><tr><td>S8</td><td>RD/GD/BD/RB/GB/BB</td></tr><tr><td>S9</td><td>Subbrightness</td></tr></table>	S5	RFAGCD	S6	H.PHASE/V.POSI/V.SIZE	S8	RD/GD/BD/RB/GB/BB	S9	Subbrightness
S5	RFAGCD										
S6	H.PHASE/V.POSI/V.SIZE										
S8	RD/GD/BD/RB/GB/BB										
S9	Subbrightness										
CRT	O		Adjust items related to picture tube only.(White Balance adjustment)								

## ALIGNMENT INSTRUCTIONS

Table-B

MODE	ADJUSTMENT	DATA		REMARKS
		INITIAL	RANGE	
S2	Screen Adjustment			
S5	Auto RF AGC			
	Video Level (VIDEOL)	7	0~7	Must be set to 7
	RF AGC Delay (RFAGCD)	30	0~63	Align RF AGC threshold
	FM Level (FM.LEV)	20	0~31	Must be set to 20
	AGC Point	3.75		Select AGC reference voltage
S6	A/D VALUE			
	H-PHASE	10	0~31	Align sync flyback pulse, using internal cross pattern(S7)
	H-SIZE	43	0~127	
	P-CUSHION	32	0~63	
	V-POSI	29	0~63	Align Vertical DC bias, using internal cross pattern(S7)
	V-SIZE	110	0~127	Align Vertical amplitude, using internal cross pattern(S7)
	V-LIN	13	0~31	Must be set to 16
	V-S	12	0~31	
	TILT	37	0~63	
	TOP-C	8	0~15	
	BOT-C	8	0~15	
	V-SIZE-C	7	0~7	
S7-1	NO SD POWER OFF	YES		Automatically turn off in 15min for no received signal.
	ABL-POINT	0		
	BK-LEVEL	0		
	BK-START	3		
	BRI-STOP	0		
	Y-CORING	0		
	PRE-SHOOT	3		
	DC-REST	3		
	W.PEAK	1		
	FIESH	0		
	OSD-GAIN	0		
	OSD-GRAY	0		
	OSD-SW	0		
	HT-SW	0		
S7-2	HT-LEVEL	0		
	C-BPF	0		
	C-KILL	1		
	RB-ANGLE	15		
	G-ANGLE	0		
	C-EXT	0		
	FILTER	1		
	TRAP-TEST	0		
	CORING-GN	3		
S8	H-SIZE-CP	4		
	Red Drive (RD)		0~127	Align RED OUT AC level
	Green Drive (GD)	15	0~15	Must be set to 10
	Blue Drive (BD)		0~127	Align BLUE OUT AC level
	Red Bias (RB)		0~255	Align RED OUT DC level
	Green Bias (GB)	127	0~255	Align GREEN OUT DC level
S8-2	Blue Bias (BB)		0~255	Align BLUE OUT DC level
	SCR R-BIAS	0	0~255	
	SCR G-BIAS	127	0~255	
	SCR B-BIAS	0	0~255	
	SCR R-DRIVE	64	0~127	
	SCR G-DRIVE	10	0~127	
	SCR B-DRIVE	64	0~127	
S9	SCR BRIGHT	110	0~127	
	SUB BRIGHT	90	0~127	
	CONTRAST	27	0~127	
	TINT	35	0~127	
	COLOR	27	0~127	
	SHARPNESS	7	0~127	
	FM/AM PRE	33	0~127	
	SCART PRE	33	0~127	
S11	MONI. VOL	60	0~127	
	Internal Black			Display Internal Black Pattern
	Internal 100% White			Display Internal 100% White
	Internal 60% White			Display Internal 60% White
S12	Internal Cross Pattern			Display Internal Cross Pattern
	Forwarding Mode			Factory Initialization



## 2. ASSEMBLY ADJUSTMENTS

### 1) SCREEN ADJUSTMENT (S2)

- Enter the service mode and select service adjustment S2.
- You can see the one horizontal line on the screen.
- Adjust the Screen Control Volume (located on FBT) so that the horizontal line onscreen may be disappeared.
- Press the volume up or down button to exit in the screen adjustment mode.

#### NOTE




IN THE SCREEN ADJUSTMENT MODE, DONT PRESS OTHER BUTTONS EXCEPT VOLUME UP OR DOWN BUTTON.

### 2) FOCUS ADJUSTMENT

- Turn in a local station and adjust the Focus Control knob (located on FBT) for best picture details at high light condition.

### 3) RF AGC DELAY ADJUSTMENT (S5)

- Receive a good local channel.
- Enter the service mode and select service adjustment S5.
- You can see the OSD as shown in below.

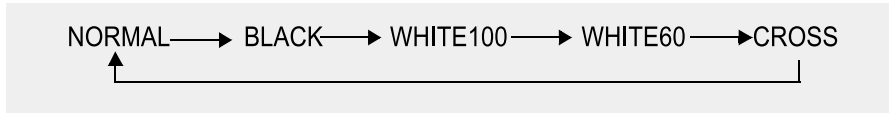
IF	CONTROL	
AUTO	RFAGC	START
VIDEO L		7
RFAGCD		30
FM.LEV		20
AGC POINT		3.75
 MOVE  ADJUST  RECALL : SET		

- Select RFAGCD item, press the volume up or down button until noise or beat in picture disappears.
- Press the DISPLAY button to memorize the data.

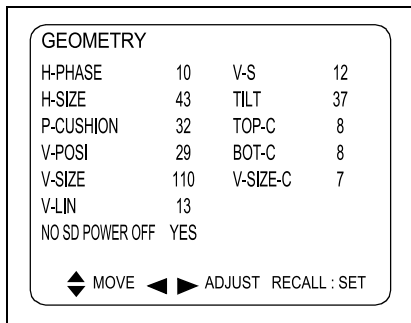
## ALIGNMENT INSTRUCTIONS

### 4) GEOMETRIC ADJUSTMENTS (S6)

- Enter the service mode and select service adjustment S11.
- Whenever you select the “S11” using the volume up or down button, the screen is changing like this.



- Using the volume up or down button, select internal cross pattern.
- Select service adjustment S6
- You can see the OSD as shown in below.



#### 4-1. Horizontal Position Adjustment

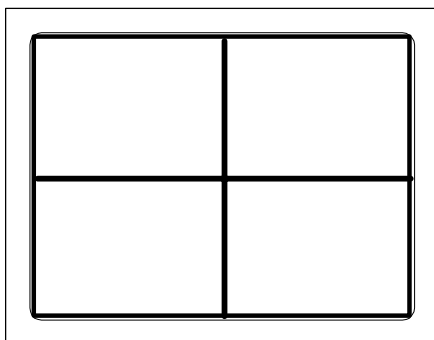
- Select H.PHASE item, adjust H.PHASE data value to obtain proper horizontal centering of the internal cross pattern at the left and right of the screen.

#### 4-2. Vertical Position Adjustment

- Select V.POSI item, adjust V.POSI data value to center the raster properly on the screen.

#### 4-3. Vertical Size Adjustment

- Select “V.SIZE” item, adjust “V.SIZE” data value to proper vertical size as follows.



**5) WHITE BALANCE ADJUSTMENT(S8)**

- Receive a good local channel.
- Enter the service mode and select service adjustment S8.
- You can see the OSD as shown in below.

S8-1

RD	90
GD	15
BD	90
RB	165
GB	127
BB	165
◀ MOVE ▶ ADJUST RECALL : SET	

S8-2

SCR R-BIAS	0
SCR G-BIAS	127
SCR B-BIAS	0
SCR R-DRIV	64
SCR G-DRIV	10
SCR B-DRIV	64
SCR BRIGHT	110
◀ MOVE ▶ ADJUST RECALL : SET	

- Using volume up or volume down, adjust service adjustment data of RD/GD/BD and RB/GB/BB until a good gray scale with normal whites is obtained.
- Press the DISPLAY button to memorize the data.

**6) DIGITAL PRESET(D.P) ADJUSTMENTS(S9)****SUBBRIGHTNESS ADJUSTMENT**

- Receive a good local channel.
- Enter the service mode and select service adjustment S9.
- You can see the OSD as shown in below.

SUBBRIGHTNESS	90
CONTRAST	27
TINT	35
COLOR	27
SHARPNESS	7
FM/AM PRE	33
SCART PRE	33
MONI. VOL	60
◀ MOVE ▶ ADJUST RECALL : SET	

- Select Subbrightness item, adjust Subbrightness data value to obtain normal brightness level.
- Press the DISPLAY button to memorize the data.

**CONTRAST**

- Fixed value = 27

**TINT**

- Fixed value = 35

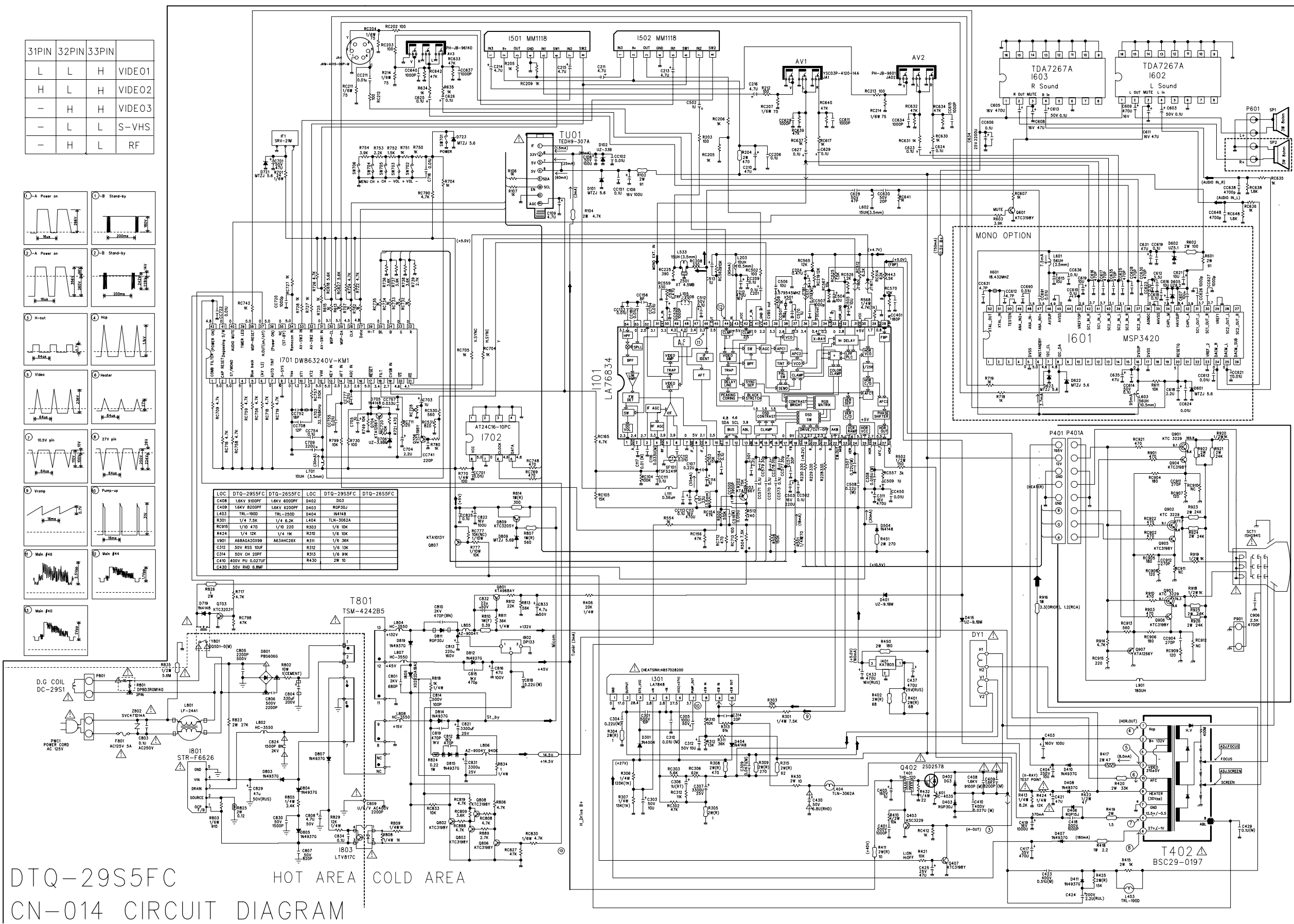
**COLOR**

- Fixed value = 27

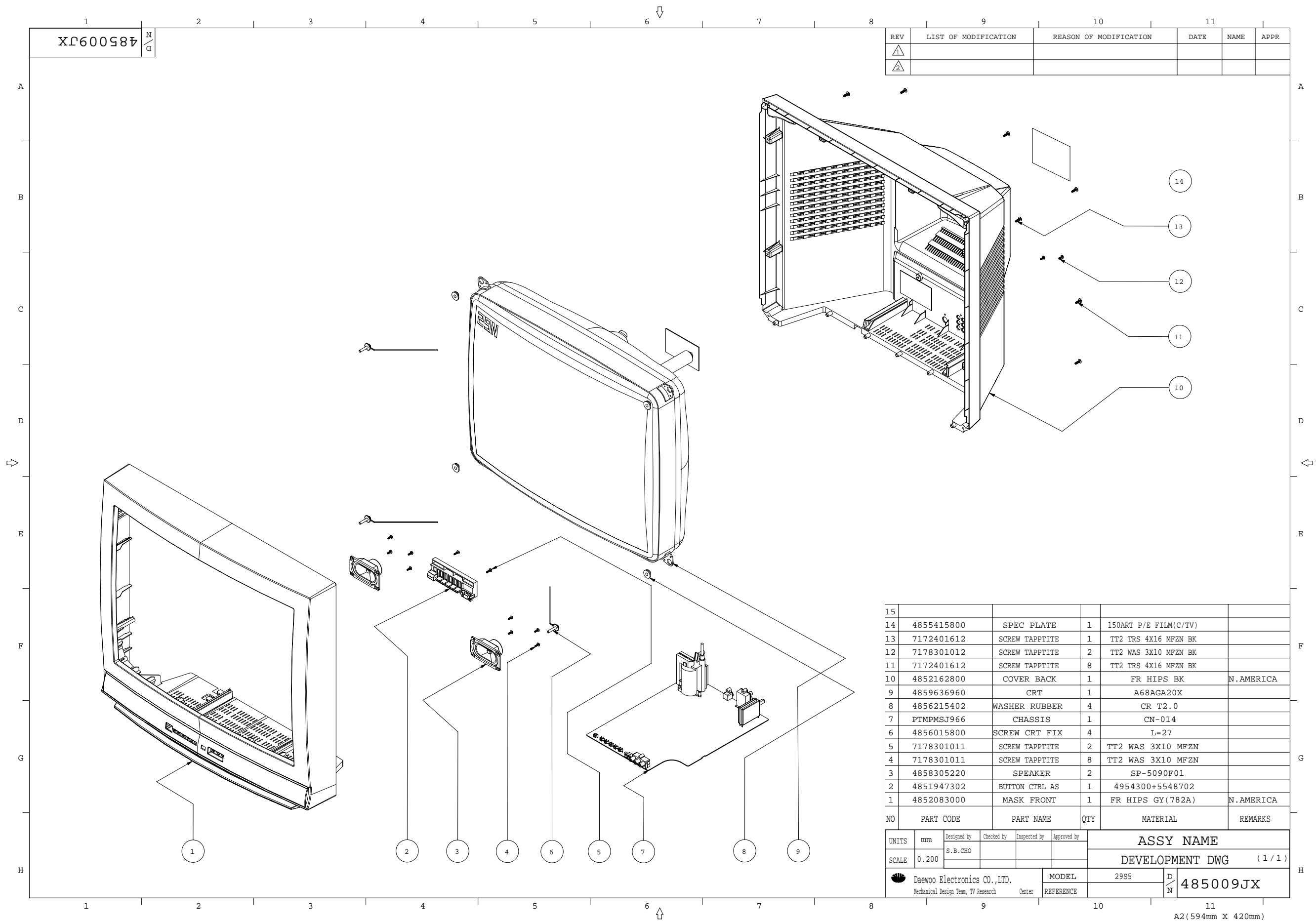
**7) FACTORY OUTGOING MODE (S12 : FACT)**

- If you select the S12, then the set becomes factory outgoing status.
- You can see the OSD "outgoing OK"

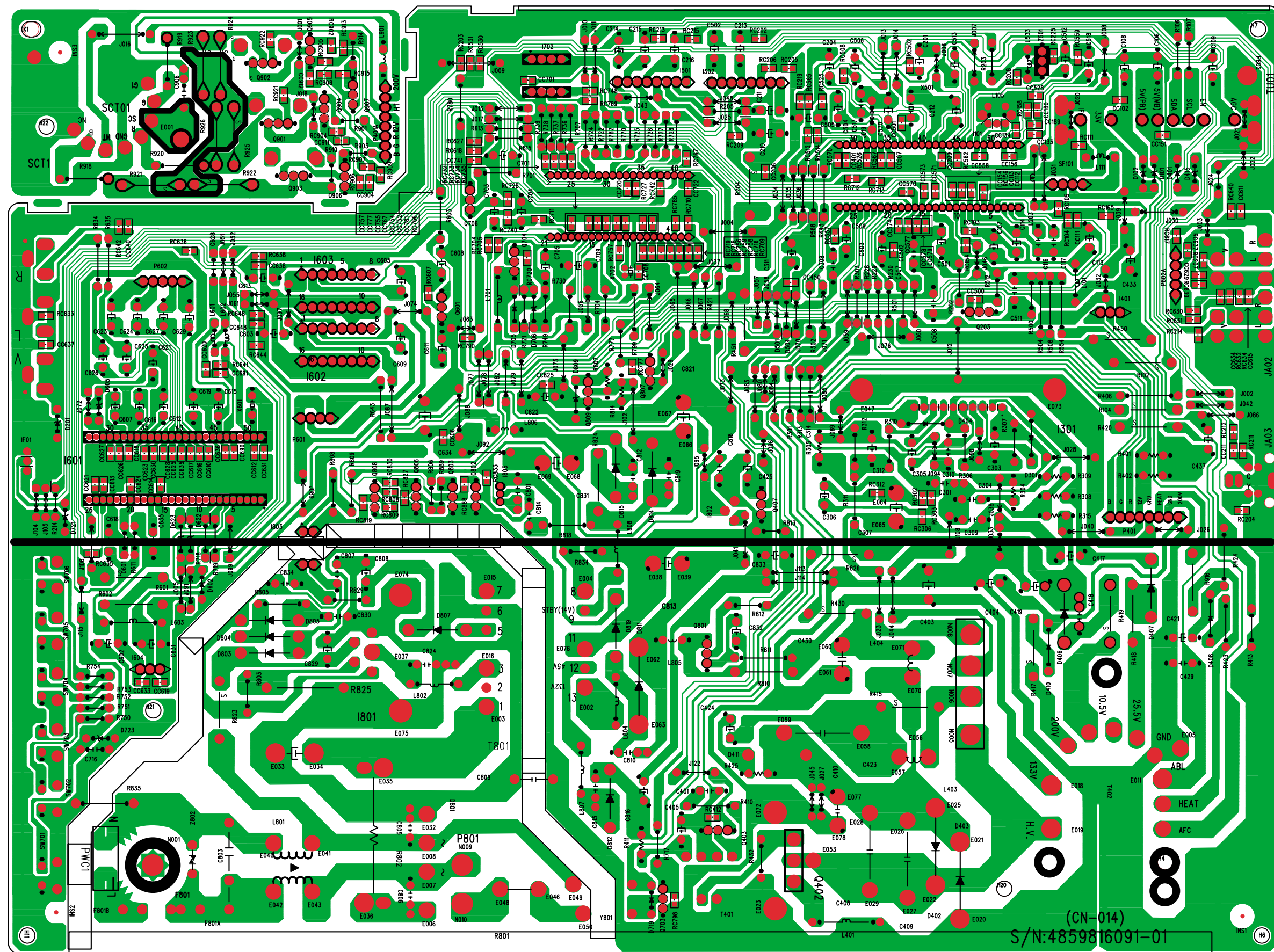
# SCHEMATIC DIAGRAM



EXPLODED VIEW



# PRINTED CIRCUIT BOARD



# SERVICE PARTS LIST

## CAUTION

“△” is a safety part, so it must be used the same part.  
“®” is a recommendable part for essential stock.

LOC	PART CODE	PART NAME	PART DESCRIPTION	REMARK	LOC	PART CODE	PART NAME	PART DESCRIPTION	REMARK
ZZ100	48B434A08	TRANSMITTER REMOCON	R-43A08 (AA)		C804	CEYN2D331P	C ELECTRO	200V LHS 330MF	
ZZ110	PTACPWJ882	ACCESSORY AS	DTQ-29S4FC		C809	CH1BFE222M	C CERA AC	U/C/V AC400V 2200PF	
00020	48586054K1	MANUAL INSTRUCTION	DTM-2082CW		C813	CEYF2C221V	C ELECTRO	160V RSS 220MF (18X35.5)	
M821	4858213800	BAG INSTRUCTION	L.D.P.E T0.05X250X400		C821	CEYF1E332V	C ELECTRO	25V RSS 3300MF (16X31.5)	
ZZ120	PTBCSHJ966	COVER BACK AS	DTQ-29S5FC		C824	CBYB3D152K	C CERA SEMI	2KV BL(N) 1500PF K	
M211	4852162800	COVER BACK	FR HIPS BS		C831	CEYF1E332V	C ELECTRO	25V RSS 3300MF (16X31.5)	
M781	4857817630	CLOTH BLACK	FELT 400X20X0.7		D402	DDG3—	DIODE	DG3	
ZZ130	PTPKCPJ966	PACKING AS	DTQ-29S5FC		D403	DRGP30J—	DIODE	RGP30J	
10	6520010100	STAPLE PIN	AUTO W65		D801	DPBS606GU-	DIODE BRIDGE	PBS606G	
M801	4858059200	BOX CARTON	SW-4		D811	DRGP30J—	DIODE	RGP30J	
M811	4858100W00	PAD	EPS 29S5		F801	5F1GB5021L	FUSE GLASS TUBE	CSA/UL 125V 5A	
M822	4858215100	BAG P.E	PE FOAM 10.5x1430x1270		I101	1LA76834—	IC MAIN	LA76834	
ZZ131	58G0000143	COIL DEGAUSSING	DC-29S1		I301	PTC2SW8202	HEAT SINK ASS'Y	1LA7848— + 7174300811	
ZZ132	48519A6210	CRT GROUND AS	GND LINE IEA 29		00001	1LA7848—	IC VERTICAL	LA7848	
ZZ140	PTCACAJ966	CABINET AS	DTQ-29S5FC		0000A	4857028202	HEAT SINK	AL EX BK	
M201A	4856215402	WASHER RUBBER	CR T2.0		0000B	7174300811	SCREW TAPPTITE	TT2 RND 3X8 MFZN	
M201B	4856015800	SCREW CRT FIX	L=27		I401	1K1A7805P1	IC REGULATOR	KIA7805API	
M211A	7172401612	SCREW TAPPTITE	TT2 TRS 4X16 MFZN BK		I501	1MM1118—	IC A/V SWITCH	MM1118	
M211B	7172401612	SCREW TAPPTITE	TT2 TRS 4X16 MFZN BK		I502	1MM1118—	IC A/V SWITCH	MM1118	
M211C	7178301212	SCREW TAPPTITE	TT2 WAS 3X12 MFZN BK		I601	1MSP3420B8	IC SOUND PROCESSOR	MSP3420G-P0-B8	
M541	4855415800	SPEC PLATE	150ART P/E FILM (C/TV)		I602	1TDA7267A-	IC AMP	TDA7267A	
P501A	4850704S35	CONNECTOR	YFH800-04+YDT236+ULW=500		I603	1TDA7267A-	IC AMP	TDA7267A	
SP01A	7178301011	SCREW TAPPTITE	TT2 WAS 3X10 MFZN		I604	1L7805CV—	IC REGULATOR	L7805CV	
SP02A	7178301011	SCREW TAPPTITE	TT2 WAS 3X10 MFZN		I701	1DW8632LA3	IC MICOM	DW863240W-LA3(50T3)	
V901	4859636960	CRT	A68AGA20X99		I702	1AT24C16PC	IC	AT24C16-10PC	
ZZ200	PTFMSJJ966	MASK FRONT AS	DTQ-29S5FC		I801	PTF2SW7701	HEAT SINK ASS'Y	1STRF6626 + 7174300811	
M191	4851947300	BUTTON CTRL AS	4954300+5548700		I801	1STRF6626-	IC POWER	STR-F6626	
M191A	7178301011	SCREW TAPPTITE	TT2 WAS 3X10 MFZN		I801A	4857027701	HEAT SINK	AL EX	
M201	4852083000	MASK FRONT	FR HIPS GY[782A]		I801B	7174301011	SCREW TAPPTITE	TT2 RND 3X10 MFZN	
M201A	4857817610	CLOTH BLACK	FELT 300X20X0.7		I802	1DP133—	IC ERROR AMP	DP133	
ZZ210	PTSPPWJ882	SPEAKER AS	DTQ-29S4FC		I803	1LTV817C—	IC PHOTO COUPLER	LTV-817C	
P601A	4850704S38	CONNECTOR	YH025-04+YRT205+ULW400300		I805	TX0202DA—	THYRISTOR	X0202DA1BA2	
SP01	4858305220	SPEAKER	SP-5090F01		IF01	1356VF6—	IC PREAMP	356VF6	
SP02	4858305220	SPEAKER	SP-5090F01		JA01	4859108450	JACK PIN BOARD	YSC03P-4120-14A	
ZZ290	PTPMSJ966	PCB MAIN MANUAL AS	DTQ-29S5FC		JA02	4859107050	JACK PIN BOARD	PH-JB-9601 (PH06P-4120-C)	
10	2193102005	SOLDER BAR	SN:PB=63:47 S63S-1320		JA03	4859106440	JACK S-VHS	PH-SJ-9503	
30	2291050616	FLUX SOLDER	JS-64T3		L105	58N0000042	COIL VCO	TRF-V008	
40	2291050301	FLUX SOLVENT	IM-1000		L403	58H0000047	COIL H-LINEARITY	TRL-190D	
C307	CEYF1E332V	C ELECTRO	25V RSS 3300MF (16X31.5)		L404	58C7070085	COIL CHOKE	TLN-3062A	
C408	CMYH3C912J	C MYLAR	1.6KV BUP 9100PF J		L801	5PLF24A1—	FILTER LINE	LF-24A1	
C409	CMYH3C822J	C MYLAR	1.6KV BUP 8200PF J		M683	4856812001	TIE CABLE	NYLON66 DA100	
C410	CMYE2G273J	C MYLAR	400V PU 0.027MF J		P401A	4850708N08	CONNECTOR	BIC-08T-25T+C-20T+ULW=400	
C423	CMYE2G514J	C MYLAR	400V PU 0.51MF J		P602A	4850705N16	CONNECTOR	YBNH250-05+YBNH250+ULW300	
C430	CEYD1H689W	C ELECTRO	50V RHD 6.8MF (16X35.5)		PWC1	4859907810	CORD POWER AS	ME301P+TER=2100	
C803	CL1UC3104M	C LINE ACROSS	WORLD AC250V 0.1UF M R.47		Q402	PTB2SW7609	HEAT SINK ASS'Y	T2SD2578— + 7174300811	



# SERVICE PARTS LIST

LOC	PART CODE	PART NAME	PART DESCRIPTION	REMARK	LOC	PART CODE	PART NAME	PART DESCRIPTION	REMARK
00001	T2SD2578—	TR	2SD2578		CC501	HCQK160JBA	C CHIP CERA	50V CH 16PF J 1608	
0000A	4857027609	HEAT SINK	AL EX		CC502	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
0000B	7174300811	SCREW TAPPTITE	TT2 RND 3X8 MFZN		CC507	HCBK102KBA	C CHIP CERA	50V X7R 1000PF K 1608	
Q403	TKTC3229—	TR	KTC3229		CC528	HCBK102KBA	C CHIP CERA	50V X7R 1000PF K 1608	
Q801	TKTA968AY-	TR	KTA968AY		CC570	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
Q901	PTL2SW6900	HEAT SINK ASS'Y	TKTC3229— + 7174301011		CC571	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
00001	TKTC3229—	TR	KTC3229		CC573	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
0000A	4857026900	HEAT SINK	AL EX		CC574	HCQK300JBA	C CHIP CERA	50V CH 30PF J 1608	
0000B	7174301011	SCREW TAPPTITE	TT2 RND 3X10 MFZN		CC577	HCQK300JBA	C CHIP CERA	50V CH 30PF J 1608	
Q902	PTL2SW6900	HEAT SINK ASS'Y	TKTC3229— + 7174301011		CC578	HCQK300JBA	C CHIP CERA	50V CH 30PF J 1608	
00001	TKTC3229—	TR	KTC3229		CC579	HCQK300JBA	C CHIP CERA	50V CH 30PF J 1608	
0000A	4857026900	HEAT SINK	AL EX		CC606	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
0000B	7174301011	SCREW TAPPTITE	TT2 RND 3X10 MFZN		CC610	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
Q903	PTL2SW6900	HEAT SINK ASS'Y	TKTC3229— + 7174301011		CC611	HCBK102KBA	C CHIP CERA	50V X7R 1000PF K 1608	
00001	TKTC3229—	TR	KTC3229		CC612	HCQK479CBA	C CHIP CERA	50V CH 4.7PF C 1608	
0000A	4857026900	HEAT SINK	AL EX		CC613	HCFK103ZBA	C CHIP CERA	50V Y5V 0.01MF Z 1608	
0000B	7174301011	SCREW TAPPTITE	TT2 RND 3X10 MFZN		CC614	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
R801	DDB3ROM140	POSISTOR	ECPBD3ROM140		CC615	HCBK102KBA	C CHIP CERA	50V X7R 1000PF K 1608	
R802	RX10B109JQ	R CEMENT	10W 1 OHM J BEN 25MM 4P		CC616	HCQK471JBA	C CHIP CERA	50V CH 470PF J 1608	
SCT1	4859303830	SOCKET CRT	ISHG94S		CC617	HCQK471JBA	C CHIP CERA	50V CH 470PF J 1608	
SF101	5PTS5241P	FILTER SAW	TSF5241P		CC618	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
T401	5TD0000018	TRANS DRIVE	THD-120		CC619	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
T401A	7178301212	SCREW TAPPTITE	TT2 WAS 3X12 MFZN BK		CC620	HCQK200JBA	C CHIP CERA	50V CH 20PF J 1608	
T402	50H0000222	FBT	BSC29-0197		CC621	HCFK103ZBA	C CHIP CERA	50V Y5V 0.01MF Z 1608	
T801	50M4242B5-	TRANS SMPS	TSM-4242B5		CC623	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
TU01	4859723330	TUNER VARACTOR	TEDH9-307A		CC624	HCFK103ZBA	C CHIP CERA	50V Y5V 0.01MF Z 1608	
X601	5XE18R432E	CRYSTAL QUARTZ	HC-49/U 18.43200MHZ 30PPM		CC625	HCQK471JBA	C CHIP CERA	50V CH 470PF J 1608	
X702	5XYR03276C	CRYSTAL QUARTZ	C-001R 32.768000KHZ 20PPM		CC626	HCBK102KBA	C CHIP CERA	50V X7R 1000PF K 1608	
Y801	5SC0101338	SW RELAY	DQ5D1-Q(M)/GJ-SS-105LM		CC627	HCBK102KBA	C CHIP CERA	50V X7R 1000PF K 1608	
Z501	5PYXT4R5MB	FILTER CERA	XT 4.5MB		CC628	HCQK471JBA	C CHIP CERA	50V CH 470PF J 1608	
Z802	DSVC471D14	VARISTOR	SVC471D14A		CC629	HCBK102KBA	C CHIP CERA	50V X7R 1000PF K 1608	
ZZ200	PTMPJ2J966	PCB CHIP MOUNT B AS	DTQ-29S5FC		CC630	HCQK471JBA	C CHIP CERA	50V CH 470PF J 1608	
CC102	HCFK103ZBA	C CHIP CERA	50V Y5V 0.01MF Z 1608		CC631	HCQK479CBA	C CHIP CERA	50V CH 4.7PF C 1608	
CC111	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608		CC634	HCBK102KBA	C CHIP CERA	50V X7R 1000PF K 1608	
CC112	HCFK103ZBA	C CHIP CERA	50V Y5V 0.01MF Z 1608		CC635	HCQK471JBA	C CHIP CERA	50V CH 470PF J 1608	
CC113	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608		CC636	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC133	HCFK103ZBA	C CHIP CERA	50V Y5V 0.01MF Z 1608		CC637	HCBK102KBA	C CHIP CERA	50V X7R 1000PF K 1608	
CC134	HCFK103ZBA	C CHIP CERA	50V Y5V 0.01MF Z 1608		CC638	HCBK472KBA	C CHIP CERA	50V X7R 4700PF K 1608	
CC151	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608		CC640	HCBK102KBA	C CHIP CERA	50V X7R 1000PF K 1608	
CC154	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608		CC648	HCBK472KBA	C CHIP CERA	50V X7R 4700PF K 1608	
CC156	HCQK809DBA	C CHIP CERA	50V CH 8PF D 1608		CC690	HCFK103ZBA	C CHIP CERA	50V Y5V 0.01MF Z 1608	
CC180	HCFK103ZBA	C CHIP CERA	50V Y5V 0.01MF Z 1608		CC691	HCFK103ZBA	C CHIP CERA	50V Y5V 0.01MF Z 1608	
CC206	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608		CC701	HCFK103ZBA	C CHIP CERA	50V Y5V 0.01MF Z 1608	
CC209	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608		CC708	HCQK120JBA	C CHIP CERA	50V CH 12PF J 1608	
CC211	HCFK103ZBA	C CHIP CERA	50V Y5V 0.01MF Z 1608		CC720	HCBK102KBA	C CHIP CERA	50V X7R 1000PF K 1608	
CC401	HCQK181JBA	C CHIP CERA	50V CH 180PF J 1608		CC722	HCFK103ZBA	C CHIP CERA	50V Y5V 0.01MF Z 1608	
CC450	HCFK103ZBA	C CHIP CERA	50V Y5V 0.01MF Z 1608		CC741	HCQK221JBA	C CHIP CERA	50V CH 220PF J 1608	
CC500	HCBK392KBA	C CHIP CERA	50V X7R 3900PF K 1608		CC752	HCQK180JBA	C CHIP CERA	50V CH 18PF J 1608	



## SERVICE PARTS LIST

LOC	PART CODE	PART NAME	PART DESCRIPTION	REMARK	LOC	PART CODE	PART NAME	PART DESCRIPTION	REMARK
CC754	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608		RC617	HRFS102JBA	R CHIP	1/16 1K OHM J 1608	
CC755	HCFK103ZBA	C CHIP CERA	50V Y5V 0.01MF Z 1608		RC618	HRFS562JBA	R CHIP	1/16 5.6K OHM J 1608	
CC757	HCBK333KBA	C CHIP CERA	50V X7R 0.033MF K 1608		RC627	HRFS562JBA	R CHIP	1/16 5.6K OHM J 1608	
CC777	HCFK103ZBA	C CHIP CERA	50V Y5V 0.01MF Z 1608		RC630	HRFS102JBA	R CHIP	1/16 1K OHM J 1608	
CC825	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608		RC631	HRFS102JBA	R CHIP	1/16 1K OHM J 1608	
CC904	HQCK271JBA	C CHIP CERA	50V CH 270PF J 1608		RC632	HRFS473JBA	R CHIP	1/16 47K OHM J 1608	
CC911	HQCK271JBA	C CHIP CERA	50V CH 270PF J 1608		RC633	HRFS473JBA	R CHIP	1/16 47K OHM J 1608	
CC912	HQCK271JBA	C CHIP CERA	50V CH 270PF J 1608		RC634	HRFS473JBA	R CHIP	1/16 47K OHM J 1608	
RC103	HRFS153JBA	R CHIP	1/16 15K OHM J 1608		RC635	HRFS102JBA	R CHIP	1/16 1K OHM J 1608	
RC104	HRFS104JBA	R CHIP	1/16 100K OHM J 1608		RC636	HRFS102JBA	R CHIP	1/16 1K OHM J 1608	
RC105	HRFS153JBA	R CHIP	1/16 15K OHM J 1608		RC637	HRFS102JBA	R CHIP	1/16 1K OHM J 1608	
RC154	HRFS473JBA	R CHIP	1/16 47K OHM J 1608		RC638	HRFS182JBA	R CHIP	1/16 1.8K OHM J 1608	
RC156	HRFS473JBA	R CHIP	1/16 47K OHM J 1608		RC639	HRFS473JBA	R CHIP	1/16 47K OHM J 1608	
RC165	HRFS472JBA	R CHIP	1/16 4.7K OHM J 1608		RC640	HRFS473JBA	R CHIP	1/16 47K OHM J 1608	
RC202	HRFS101JBA	R CHIP	1/16 100 OHM J 1608		RC641	HRFS102JBA	R CHIP	1/16 1K OHM J 1608	
RC203	HRFS101JBA	R CHIP	1/16 100 OHM J 1608		RC642	HRFS473JBA	R CHIP	1/16 47K OHM J 1608	
RC204	HRFS750JBA	R CHIP	1/16 75 OHM J 1608		RC648	HRFS182JBA	R CHIP	1/16 1.8K OHM J 1608	
RC205	HRFS102JBA	R CHIP	1/16 1K OHM J 1608		RC704	HRFS102JBA	R CHIP	1/16 1K OHM J 1608	
RC206	HRFS102JBA	R CHIP	1/16 1K OHM J 1608		RC705	HRFS102JBA	R CHIP	1/16 1K OHM J 1608	
RC207	HRFS750JBA	R CHIP	1/16 75 OHM J 1608		RC709	HRFS472JBA	R CHIP	1/16 4.7K OHM J 1608	
RC208	HRFS331JBA	R CHIP	1/16 330 OHM J 1608		RC711	HRFS121JBA	R CHIP	1/16 120 OHM J 1608	
RC209	HRFS102JBA	R CHIP	1/16 1K OHM J 1608		RC712	HRFS471JBA	R CHIP	1/16 470 OHM J 1608	
RC211	HRFS750JBA	R CHIP	1/16 75 OHM J 1608		RC713	HRFS101JBA	R CHIP	1/16 100 OHM J 1608	
RC212	HRFS101JBA	R CHIP	1/16 100 OHM J 1608		RC716	HRFS472JBA	R CHIP	1/16 4.7K OHM J 1608	
RC213	HRFS101JBA	R CHIP	1/16 100 OHM J 1608		RC718	HRFS472JBA	R CHIP	1/16 4.7K OHM J 1608	
RC214	HRFS750JBA	R CHIP	1/16 75 OHM J 1608		RC719	HRFS472JBA	R CHIP	1/16 4.7K OHM J 1608	
RC215	HRFS101JBA	R CHIP	1/16 100 OHM J 1608		RC720	HRFS103JBA	R CHIP	1/16 10K OHM J 1608	
RC219	HRFS123JBA	R CHIP	1/16 12K OHM J 1608		RC727	HRFS102JBA	R CHIP	1/16 1K OHM J 1608	
RC225	HRFS391JBA	R CHIP	1/16 390 OHM J 1608		RC728	HRFS102JBA	R CHIP	1/16 1K OHM J 1608	
RC302	HRFS473JBA	R CHIP	1/16 47K OHM J 1608		RC732	HRFS102JBA	R CHIP	1/16 1K OHM J 1608	
RC303	HRFS562JBA	R CHIP	1/16 5.6K OHM J 1608		RC733	HRFS102JBA	R CHIP	1/16 1K OHM J 1608	
RC306	HRFS623JBA	R CHIP	1/16 62K OHM J 1608		RC734	HRFS102JBA	R CHIP	1/16 1K OHM J 1608	
RC312	HRFS113JBA	R CHIP	1/16 11K OHM J 1608		RC735	HRFS102JBA	R CHIP	1/16 1K OHM J 1608	
RC412	HRFS102JBA	R CHIP	1/16 1K OHM J 1608		RC742	HRFS102JBA	R CHIP	1/16 1K OHM J 1608	
RC502	HRFS101JBA	R CHIP	1/16 100 OHM J 1608		RC748	HRFS471JBA	R CHIP	1/16 470 OHM J 1608	
RC508	HRFS102JBA	R CHIP	1/16 1K OHM J 1608		RC756	HRFS472JBA	R CHIP	1/16 4.7K OHM J 1608	
RC512	HRFS622JBA	R CHIP	1/16W 6.2K OHM J 1608		RC757	HRFS514JBA	R CHIP	1/16 510K OHM J 1608	
RC514	HRFS623JBA	R CHIP	1/16 62K OHM J 1608		RC758	HRFS472JBA	R CHIP	1/16 4.7K OHM J 1608	
RC525	HRFS152JBA	R CHIP	1/16 1.5K OHM J 1608		RC759	HRFS472JBA	R CHIP	1/16 4.7K OHM J 1608	
RC526	HRFS122JBA	R CHIP	1/16 1.2K OHM J 1608		RC769	HRFS471JBA	R CHIP	1/16 470 OHM J 1608	
RC530	HRFS561JBA	R CHIP	1/16 560 OHM J 1608		RC790	HRFS472JBA	R CHIP	1/16 4.7K OHM J 1608	
RC531	HRFS821JBA	R CHIP	1/16 820 OHM J 1608		RC798	HRFS473JBA	R CHIP	1/16 47K OHM J 1608	
RC557	HRFS302JBA	R CHIP	1/16 3K OHM J 1608		RC809	HRFS362JBA	R CHIP	1/16 3.6K OHM J 1608	
RC559	HRFS331JBA	R CHIP	1/16 330 OHM J 1608		RC819	HRFS472JBA	R CHIP	1/16 4.7K OHM J 1608	
RC562	HRFS914JBA	R CHIP	1/16W 910K OHM J 1608		RC827	HRFS473JBA	R CHIP	1/16 47K OHM J 1608	
RC565	HRFS123JBA	R CHIP	1/16 12K OHM J 1608		RC830	HRFS472JBA	R CHIP	1/16 4.7K OHM J 1608	
RC567	HRFS103JBA	R CHIP	1/16 10K OHM J 1608		RC833	HRFS103JBA	R CHIP	1/16 10K OHM J 1608	
RC570	HRFS103JBA	R CHIP	1/16 10K OHM J 1608		RC888	HRFS472JBA	R CHIP	1/16 4.7K OHM J 1608	
RC607	HRFS102JBA	R CHIP	1/16 1K OHM J 1608		RC902	HRFS471JBA	R CHIP	1/16 470 OHM J 1608	

# SERVICE PARTS LIST

LOC	PART CODE	PART NAME	PART DESCRIPTION	REMARK	LOC	PART CODE	PART NAME	PART DESCRIPTION	REMARK
RC904	HRFS181JBA	R CHIP	1/16 180 OHM J 1608		E027	4856310300	EYE LET	BSR T0.2 (R1.6)	
RC905	HRFS181JBA	R CHIP	1/16 180 OHM J 1608		E028	4856310300	EYE LET	BSR T0.2 (R1.6)	
RC906	HRFS181JBA	R CHIP	1/16 180 OHM J 1608		E029	4856310300	EYE LET	BSR T0.2 (R1.6)	
RC907	HRFS121JBA	R CHIP	1/16 120 OHM J 1608		E032	4856310300	EYE LET	BSR T0.2 (R1.6)	
RC908	HRFS121JBA	R CHIP	1/16 120 OHM J 1608		E033	4856310600	EYE LET	BSR T0.2 (R2.3)	
RC909	HRFS121JBA	R CHIP	1/16 120 OHM J 1608		E034	4856310600	EYE LET	BSR T0.2 (R2.3)	
RC913	HRFS561JBA	R CHIP	1/16 560 OHM J 1608		E035	4856310600	EYE LET	BSR T0.2 (R2.3)	
RC915	HRFS471JBA	R CHIP	1/16 470 OHM J 1608		E036	4856310600	EYE LET	BSR T0.2 (R2.3)	
RC921	HRFS471JBA	R CHIP	1/16 470 OHM J 1608		E037	4856310300	EYE LET	BSR T0.2 (R1.6)	
RC922	HRFS471JBA	R CHIP	1/16 470 OHM J 1608		E038	4856310300	EYE LET	BSR T0.2 (R1.6)	
ZZ200	PTMPJ0J966	PCB MAIN (RHU) AS	DTQ-29S5FC		E039	4856310300	EYE LET	BSR T0.2 (R1.6)	
C113	CEXF1C471V	C ELECTRO	16V RSS 470MF (8X12)TP		E040	4856310300	EYE LET	BSR T0.2 (R1.6)	
C212	CEXF1C471V	C ELECTRO	16V RSS 470MF (8X12)TP		E041	4856310300	EYE LET	BSR T0.2 (R1.6)	
C311	CEXF1C471V	C ELECTRO	16V RSS 470MF (8X12)TP		E042	4856310300	EYE LET	BSR T0.2 (R1.6)	
C403	CEXF2C101V	C ELECTRO	160V RSS 100MF (16X25) TP		E043	4856310300	EYE LET	BSR T0.2 (R1.6)	
C404	CEXF2E100V	C ELECTRO	250V RSS 10MF (10X20) TP		E046	4856310300	EYE LET	BSR T0.2 (R1.6)	
C417	CEXF1V471V	C ELECTRO	35V RSS 470MF (10X20) TP		E047	4856310600	EYE LET	BSR T0.2 (R2.3)	
C419	CEXF1C102V	C ELECTRO	16V RSS 1000MF (10X20) TP		E048	4856310300	EYE LET	BSR T0.2 (R1.6)	
C424	CEXA2D229E	C ELECTRO	200V RUL 2.2MF (10X16) TP		E049	4856310300	EYE LET	BSR T0.2 (R1.6)	
C433	CEXF1C471C	C ELECTRO	16V RUS 470MF (10X12.5)TP		E050	4856310300	EYE LET	BSR T0.2 (R1.6)	
C437	CEXF1E471C	C ELECTRO	25V RUS 470MF (10X16) TP		E053	4856310300	EYE LET	BSR T0.2 (R1.6)	
C605	CEXF1C471V	C ELECTRO	16V RSS 470MF (8X12)TP		E056	4856310300	EYE LET	BSR T0.2 (R1.6)	
C609	CEXF1C471V	C ELECTRO	16V RSS 470MF (8X12)TP		E057	4856310300	EYE LET	BSR T0.2 (R1.6)	
C634	CEXF1E222V	C ELECTRO	25V RSS 2200MF (16X25) TP		E058	4856310300	EYE LET	BSR T0.2 (R1.6)	
C801	CCXB3D681K	C CERA	2KV B 680PF K (TAPPING)		E059	4856310300	EYE LET	BSR T0.2 (R1.6)	
C810	CBXB3D471K	C CERA SEMI	2KV BL(N) 470PF K (T)		E060	4856310300	EYE LET	BSR T0.2 (R1.6)	
C816	CEXF2A470V	C ELECTRO	100V RSS 47MF (10X16) TP		E061	4856310300	EYE LET	BSR T0.2 (R1.6)	
C906	CH1BEE472M	C CERA AC	U/C/V 2.5KV 4700PF TP		E062	4856310600	EYE LET	BSR T0.2 (R2.3)	
ZZ200	PTMPJB0J966	PCB MAIN M-10 AS	DTQ-29S5FC		E063	4856310600	EYE LET	BSR T0.2 (R2.3)	
10	2TM18006BE	TAPE MASKING	6.2X500		E064	4856310300	EYE LET	BSR T0.2 (R1.6)	
E001	4856310300	EYE LET	BSR T0.2 (R1.6)		E065	4856310300	EYE LET	BSR T0.2 (R1.6)	
E002	4856310300	EYE LET	BSR T0.2 (R1.6)		E066	4856310300	EYE LET	BSR T0.2 (R1.6)	
E003	4856310300	EYE LET	BSR T0.2 (R1.6)		E067	4856310300	EYE LET	BSR T0.2 (R1.6)	
E004	4856310300	EYE LET	BSR T0.2 (R1.6)		E068	4856310300	EYE LET	BSR T0.2 (R1.6)	
E005	4856310300	EYE LET	BSR T0.2 (R1.6)		E069	4856310300	EYE LET	BSR T0.2 (R1.6)	
E006	4856310300	EYE LET	BSR T0.2 (R1.6)		E070	4856310300	EYE LET	BSR T0.2 (R1.6)	
E007	4856310300	EYE LET	BSR T0.2 (R1.6)		E071	4856310300	EYE LET	BSR T0.2 (R1.6)	
E008	4856310300	EYE LET	BSR T0.2 (R1.6)		E072	4856310600	EYE LET	BSR T0.2 (R2.3)	
E011	4856310600	EYE LET	BSR T0.2 (R2.3)		E073	4856310600	EYE LET	BSR T0.2 (R2.3)	
E015	4856310300	EYE LET	BSR T0.2 (R1.6)		E074	4856310600	EYE LET	BSR T0.2 (R2.3)	
E016	4856310300	EYE LET	BSR T0.2 (R1.6)		E075	4856310600	EYE LET	BSR T0.2 (R2.3)	
E018	4856310600	EYE LET	BSR T0.2 (R2.3)		E076	4856310300	EYE LET	BSR T0.2 (R1.6)	
E019	4856310600	EYE LET	BSR T0.2 (R2.3)		E077	4856310300	EYE LET	BSR T0.2 (R1.6)	
E020	4856310600	EYE LET	BSR T0.2 (R2.3)		E078	4856310300	EYE LET	BSR T0.2 (R1.6)	
E021	4856310600	EYE LET	BSR T0.2 (R2.3)		N005	4857417500	TERM PIN	DA-IB0214(D2.3/DY PIN)	
E022	4856310600	EYE LET	BSR T0.2 (R2.3)		N006	4857417500	TERM PIN	DA-IB0214(D2.3/DY PIN)	
E023	4856310600	EYE LET	BSR T0.2 (R2.3)		N007	4857417500	TERM PIN	DA-IB0214(D2.3/DY PIN)	
E025	4856310600	EYE LET	BSR T0.2 (R2.3)		N008	4857417500	TERM PIN	DA-IB0214(D2.3/DY PIN)	
E026	4856310300	EYE LET	BSR T0.2 (R1.6)		N009	4857417500	TERM PIN	DA-IB0214(D2.3/DY PIN)	

## SERVICE PARTS LIST

LOC	PART CODE	PART NAME	PART DESCRIPTION	REMARK	LOC	PART CODE	PART NAME	PART DESCRIPTION	REMARK
N010	4857417500	TERM PIN	DA-IB0214(D2.3/DY PIN)		C309	CMXM2A473J	C MYLAR	100V 0.047MF J (TP)	
P601	485923172S	CONN WAFER	YW025-04 (STICK)		C310	CMXM2A103J	C MYLAR	100V 0.01MF J (TP)	
R102	RS02Z910JS	R M-OXIDE FILM	2W 91 OHM J SMALL		C312	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
R104	RS02Z472JS	R M-OXIDE FILM	2W 4.7K OHM J SMALL		C401	CCXB2H102K	C CERA	500V B 1000PF K (TAPPING)	
R204	RS02Z471JS	R M-OXIDE FILM	2W 470 OHM J SMALL		C405	CEXF2C109V	C ELECTRO	160V RSS 1MF (6.3X11) TP	
R415	RS02Z102JS	R M-OXIDE FILM	2W 1K OHM J SMALL		C418	CCXB2H102K	C CERA	500V B 1000PF K (TAPPING)	
R417	RS02Z470JS	R M-OXIDE FILM	2W 47 OHM J SMALL		C421	CEXF1H470V	C ELECTRO	50V RSS 47MF (6.3X11) TP	
R418	RS01Z229J-	R M-OXIDE FILM	1W 2.2 OHM J (TAPPING)		C425	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11) TP	
R419	RS02Z159JS	R M-OXIDE FILM	2W 1.5 OHM J SMALL		C429	CMXM2A104J	C MYLAR	100V 0.1MF J (TP)	
R420	RS02Z333JS	R M-OXIDE FILM	2W 33K OHM J SMALL		C501	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11) TP	
R430	RS02Z100JS	R M-OXIDE FILM	2W 10 OHM J SMALL		C502	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP	
R450	RS02Z181JS	R M-OXIDE FILM	2W 180 OHM J SMALL		C503	CEXF1C221V	C ELECTRO	16V RSS 220MF (8X11.5) TP	
R451	RS02Z271JS	R M-OXIDE FILM	2W 270 OHM J SMALL		C504	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
R601	RS02Z910JS	R M-OXIDE FILM	2W 91 OHM J SMALL		C505	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
R602	RS02Z101JS	R M-OXIDE FILM	2W 100 OHM J SMALL		C506	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
R810	RF01Z398K-	R FUSIBLE	1W 0.39 OHM K (TAPPING)		C507	CMXM2A224J	C MYLAR	100V 0.22MF J	
R823	RS02Z273JS	R M-OXIDE FILM	2W 27K OHM J SMALL		C508	CMXM2A224J	C MYLAR	100V 0.22MF J	
R824	RS01Z228J-	R M-OXIDE FILM	1W 0.22 OHM J		C509	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP	
R825	RF02Z128J-	R FUSIBLE	2W 0.12 OHM J (TAPPING)		C511	CMXM2A153J	C MYLAR	100V 0.015MF J (TP)	
R826	RS02Z109JS	R M-OXIDE FILM	2W 1 OHM J SMALL		C512	CEXF1H108V	C ELECTRO	50V RSS 0.1MF (5X11) TP	
R916	RS02Z129JS	R M-OXIDE FILM	2W 1.2 OHM J SMALL		C513	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP	
R921	RS02Z243JS	R M-OXIDE FILM	2W 24K OHM J SMALL		C517	CMXM2A103J	C MYLAR	100V 0.01MF J (TP)	
R922	RS02Z243JS	R M-OXIDE FILM	2W 24K OHM J SMALL		C518	CEXF1H478V	C ELECTRO	50V RSS 0.47MF (5X11) TP	
R923	RS02Z243JS	R M-OXIDE FILM	2W 24K OHM J SMALL		C570	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP	
R924	RS02Z243JS	R M-OXIDE FILM	2W 24K OHM J SMALL		C602	CEXF1H470V	C ELECTRO	50V RSS 47MF (6.3X11) TP	
R925	RS02Z243JS	R M-OXIDE FILM	2W 24K OHM J SMALL		C603	CEXF1H108V	C ELECTRO	50V RSS 0.1MF (5X11) TP	
R926	RS02Z243JS	R M-OXIDE FILM	2W 24K OHM J SMALL		C607	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
ZZ200	PTMPJRJ966	PCB MAIN RADIAL AS	DTQ-29S5FC		C608	CEXF1C470V	C ELECTRO	16V RSS 47MF (5X11) TP	
C106	CEXF1C101V	C ELECTRO	16V RSS 100MF (6.3X11) TP		C611	CEXF1C470V	C ELECTRO	16V RSS 47MF (5X11) TP	
C107	CEXF1H228V	C ELECTRO	50V RSS 0.22MF (5X11) TP		C612	CEXF1H339V	C ELECTRO	50V RSS 3.3MF (5X11) TP	
C108	CEXF1H101V	C ELECTRO	50V RSS 100MF (8X11.5) TP		C613	CEXF1H108V	C ELECTRO	50V RSS 0.1MF (5X11) TP	
C109	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP		C615	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
C114	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP		C616	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
C116	CMXM2A333J	C MYLAR	100V 0.033MF J (TP)		C618	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11) TP	
C117	CMXM2A103J	C MYLAR	100V 0.01MF J (TP)		C619	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
C201	CEXF1H108V	C ELECTRO	50V RSS 0.1MF (5X11) TP		C621	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
C204	CEXF1H478V	C ELECTRO	50V RSS 0.47MF (5X11) TP		C623	CEXF1H108V	C ELECTRO	50V RSS 0.1MF (5X11) TP	
C210	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11) TP		C624	CEXF1H108V	C ELECTRO	50V RSS 0.1MF (5X11) TP	
C211	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP		C625	CEXF1H108V	C ELECTRO	50V RSS 0.1MF (5X11) TP	
C213	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP		C626	CEXF1H108V	C ELECTRO	50V RSS 0.1MF (5X11) TP	
C214	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP		C627	CEXF1H108V	C ELECTRO	50V RSS 0.1MF (5X11) TP	
C215	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP		C629	CEXF1H108V	C ELECTRO	50V RSS 0.1MF (5X11) TP	
C216	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP		C631	CEXF1H470V	C ELECTRO	50V RSS 47MF (6.3X11) TP	
C301	CXSL2H100D	C CERA	500V SL 10PF D (TAPPING)		C635	CEXF1H470V	C ELECTRO	50V RSS 47MF (6.3X11) TP	
C303	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP		C701	CEXF1H470V	C ELECTRO	50V RSS 47MF (6.3X11) TP	
C304	CMXM2A224J	C MYLAR	100V 0.22MF J		C703	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP	
C305	CEXF1H101V	C ELECTRO	50V RSS 100MF (8X11.5) TP		C704	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11) TP	
C306	CEXD1H109Q	C ELECTRO	50V RT 1MF (6.3X11) TP		C705	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP	
C308	CMXM2A153J	C MYLAR	100V 0.015MF J (TP)		C709	CEXF1C221V	C ELECTRO	16V RSS 220MF (8X11.5) TP	

# SERVICE PARTS LIST

LOC	PART CODE	PART NAME	PART DESCRIPTION	REMARK	LOC	PART CODE	PART NAME	PART DESCRIPTION	REMARK
C805	CCXB2H222K	C CERA	500V B 2200PF K (TAPPING)		SW705	5S50101090	SW TACT	THVH472GCA	
C806	CCXB2H222K	C CERA	500V B 2200PF K (TAPPING)		SW706	5S50101090	SW TACT	THVH472GCA	
C807	CCXB1H821K	C CERA	50V B 820PF K (TAPPING)		X501	5XEX3R579C	CRYSTAL QUARTZ	HC-49/U 3.579545M (TP)	
C808	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP		ZZ200	PTMPJAJ966	PCB MAIN AXIAL AS	DTQ-29S5FC	
C812	CCXB3A471K	C CERA	1KV B 470PF K (T)		10	2TM14006LB	TAPE MASKING	3M #232 6.0X2000M	
C814	CCXB2H101K	C CERA	500V B 100PF K (TAPPING)		20	2TM10006LB	TAPE MASKING	3M #232-MAP-C 6.2X2000M	
C815	CCXB3A471K	C CERA	1KV B 470PF K (T)		A001	4859816091	PCB MAIN	330X246	
C818	CMXM2A224J	C MYLAR	100V 0.22MF J		C314	CZCH1H200J	C CERA	50V CH 20PF J (AXIAL)	
C819	CCXB3A471K	C CERA	1KV B 470PF K (T)		C628	CZSL1H470J	C CERA	50V SL 47PF J (AXIAL)	
C822	CEXF1C101V	C ELECTRO	16V RSS 100MF (6.3X11) TP		C716	CCZF1H103Z	C CERA	50V F 0.01MF Z	
C829	CEXF1H470C	C ELECTRO	50V RUS 47MF (6.3X11) TP		D101	DMTZJ5R6B-	DIODE ZENER	MTZJ 5.6B	
C830	CCXB1H152K	C CERA	50V B 1500PF K (TAPPING)		D102	DUZ33B—	DIODE ZENER	UZ-33B	
C832	CEXF1H220V	C ELECTRO	50V RSS 22MF (5X11) TP		D301	D1N4004S—	DIODE	1N4004S	
C833	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP		D401	DUZ9R1BM—	DIODE ZENER	UZ-9.1BM	
C834	CMXM2A104J	C MYLAR	100V 0.1MF J (TP)		D404	D1N4148—	DIODE	1N4148 (TAPPING)	
F801A	4857415001	CLIP FUSE	PFC5000-0702		D406	DRGP15J—	DIODE	RGP15J	
F801B	4857415001	CLIP FUSE	PFC5000-0702		D407	D1N4937G—	DIODE	1N4937G (TAPPING)	
L805	58CX430599	COIL CHOKE	AZ-9004Y 940K TP		D408	D1N4937G—	DIODE	1N4937G (TAPPING)	
L806	58CX430599	COIL CHOKE	AZ-9004Y 940K TP		D410	D1N4937G—	DIODE	1N4937G (TAPPING)	
L901	5CPX181J—	COIL PEAKING	180UH J (RADIAL)		D411	D1N4937G—	DIODE	1N4937G (TAPPING)	
Q203	TKTA1266Y-	TR	KTA1266Y (TP)		D415	DUZ9R1BM—	DIODE ZENER	UZ-9.1BM	
Q407	TKTC3198Y-	TR	KTC3198Y		D501	D1N4148—	DIODE	1N4148 (TAPPING)	
Q601	TKTC3198Y-	TR	KTC3198Y		D504	D1N4148—	DIODE	1N4148 (TAPPING)	
Q703	TKTC3203Y-	TR	KTC3203Y		D601	DMTZJ5R6B-	DIODE ZENER	MTZJ 5.6B	
Q704	TKTA1266Y-	TR	KTA1266Y (TP)		D602	DUZ5R1B—	DIODE ZENER	UZ-5.1B	
Q706	TKTC3198Y-	TR	KTC3198Y		D605	DUZ8R2BM—	DIODE ZENER	UZ-8.2BM	
Q802	TKTC3198Y-	TR	KTC3198Y		D622	DMTZJ5R6B-	DIODE ZENER	MTZJ 5.6B	
Q803	TKTC3198Y-	TR	KTC3198Y		D623	DMTZJ5R6B-	DIODE ZENER	MTZJ 5.6B	
Q806	TKTC3198Y-	TR	KTC3198Y		D705	D1N4148—	DIODE	1N4148 (TAPPING)	
Q809	TKTC3205Y-	TR	KTC3205Y (TP)		D706	DUZ3R9B—	DIODE ZENER	UZ-3.9B	
Q904	TKTC3198Y-	TR	KTC3198Y		D719	D1N4148—	DIODE	1N4148 (TAPPING)	
Q905	TKTC3198Y-	TR	KTC3198Y		D721	DMTZJ5R6B-	DIODE ZENER	MTZJ 5.6B	
Q906	TKTC3198Y-	TR	KTC3198Y		D723	DMTZJ5R6B-	DIODE ZENER	MTZJ 5.6B	
Q907	TKTA1266Y-	TR	KTA1266Y (TP)		D803	D1N4937G—	DIODE	1N4937G (TAPPING)	
R304	RN02B109JS	R METAL FILM	2W 1 OHM J SMALL		D804	D1N4937G—	DIODE	1N4937G (TAPPING)	
R305	RN02B109JS	R METAL FILM	2W 1 OHM J SMALL		D805	D1N4937G—	DIODE	1N4937G (TAPPING)	
R308	RN02B471JS	R METAL FILM	2W 470 OHM J SMALL		D807	D1N4937G—	DIODE	1N4937G (TAPPING)	
R309	RN02B271JS	R METAL FILM	2W 270 OHM J SMALL		D809	DMTZJ5R6B-	DIODE ZENER	MTZJ 5.6B	
R315	RN02B620JS	R METAL FILM	2W 62 OHM J SMALL		D812	D1N4937G—	DIODE	1N4937G (TAPPING)	
R401	RN02B680JS	R METAL FILM	2W 68 OHM J SMALL		D814	D1N4937G—	DIODE	1N4937G (TAPPING)	
R402	RN02B680JS	R METAL FILM	2W 68 OHM J SMALL		D815	D1N4937G—	DIODE	1N4937G (TAPPING)	
R411	RN02B100JS	R METAL FILM	2W 10 OHM J SMALL		D819	D1N4937G—	DIODE	1N4937G (TAPPING)	
R425	RN02B153JS	R METAL FILM	2W 15K OHM J SMALL		J001	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
R807	RN01B561JS	R METAL FILM	1W 560 OHM J SMALL		J002	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
R814	RN01B301JS	R METAL FILM	1W 300 OHM J SMALL		J003	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
SW701	5S50101090	SW TACT	THVH472GCA		J004	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
SW702	5S50101090	SW TACT	THVH472GCA		J005	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
SW703	5S50101090	SW TACT	THVH472GCA		J006	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
SW704	5S50101090	SW TACT	THVH472GCA		J007	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	

## SERVICE PARTS LIST

[illegible]

# SERVICE PARTS LIST

LOC	PART CODE	PART NAME	PART DESCRIPTION	REMARK	LOC	PART CODE	PART NAME	PART DESCRIPTION	REMARK
L802	5MC0000100	COIL BEAD	HC-3550		R721	RD-AZ471J-	R CARBON FILM	1/6 470 OHM J	
L804	5MC0000100	COIL BEAD	HC-3550		R722	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J	
L807	5MC0000100	COIL BEAD	HC-3550		R724	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J	
L808	5MC0000100	COIL BEAD	HC-3550		R725	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
R106	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J		R726	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J	
R107	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J		R727	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
R202	RD-AZ753J-	R CARBON FILM	1/6 75K OHM J		R728	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
R203	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J		R730	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J	
R205	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J		R736	RD-AZ362J-	R CARBON FILM	1/6 3.6K OHM J	
R214	RD-AZ750J-	R CARBON FILM	1/6 75 OHM J		R737	RD-AZ392J-	R CARBON FILM	1/6 3.9K OHM J	
R228	RD-AZ331J-	R CARBON FILM	1/6 330 OHM J		R738	RD-AZ362J-	R CARBON FILM	1/6 3.6K OHM J	
R229	RD-AZ331J-	R CARBON FILM	1/6 330 OHM J		R739	RD-AZ272J-	R CARBON FILM	1/6 2.7K OHM J	
R230	RD-AZ331J-	R CARBON FILM	1/6 330 OHM J		R749	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
R301	RD-4Z752J-	R CARBON FILM	1/4 7.5K OHM J		R750	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
R303	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J		R751	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
R306	RD-4Z124J-	R CARBON FILM	1/4 120K OHM J		R752	RD-AZ152J-	R CARBON FILM	1/6 1.5K OHM J	
R307	RD-4Z153J-	R CARBON FILM	1/4 15K OHM J		R753	RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J	
R310	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J		R754	RD-AZ392J-	R CARBON FILM	1/6 3.9K OHM J	
R311	RD-AZ363J-	R CARBON FILM	1/6 36K OHM J		R770	RD-4Z101J-	R CARBON FILM	1/4 100 OHM J	
R312	RD-AZ133J-	R CARBON FILM	1/6 13K OHM J		R780	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
R313	RD-AZ913J-	R CARBON FILM	1/6 91K OHM J		R782	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
R406	RD-4Z203J-	R CARBON FILM	1/4 20K OHM J		R799	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
R410	RD-2Z103J-	R CARBON FILM	1/2 10K OHM J		R803	RD-AZ911J-	R CARBON FILM	1/6 910 OHM J	
R413	RD-4Z822J-	R CARBON FILM	1/4 8.2K OHM J		R805	RD-4Z242J-	R CARBON FILM	1/4 2.4K OHM J	
R421	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J		R806	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J	
R423	RD-2Z470J-	R CARBON FILM	1/2 47 OHM J		R808	RD-4Z102J-	R CARBON FILM	1/4 1K OHM J	
R424	RD-4Z123J-	R CARBON FILM	1/4 12K OHM J		R809	RD-4Z102J-	R CARBON FILM	1/4 1K OHM J	
R432	RD-4Z220J-	R CARBON FILM	1/4 22 OHM J		R811	RD-4Z363J-	R CARBON FILM	1/4 36K OHM J	
R443	RD-AZ152J-	R CARBON FILM	1/6 1.5K OHM J		R812	RD-AZ223J-	R CARBON FILM	1/6 22K OHM J	
R500	RD-AZ514J-	R CARBON FILM	1/6 510K OHM J		R813	RD-AZ563J-	R CARBON FILM	1/6 56K OHM J	
R501	RD-4Z271J-	R CARBON FILM	1/4 270 OHM J		R818	RD-4Z102J-	R CARBON FILM	1/4 1K OHM J	
R502	RD-2Z151J-	R CARBON FILM	1/2 150 OHM J		R829	RD-4Z123J-	R CARBON FILM	1/4 12K OHM J	
R504	RD-AZ752J-	R CARBON FILM	1/6 7.5K OHM J		R834	RD-4Z109J-	R CARBON FILM	1/4 1 OHM J	
R508	RD-AZ154J-	R CARBON FILM	1/6 150K OHM J		R835	RC-2Z565KP	R CARBON COMP	1/2 5.6M OHM K	
R512	RD-AZ241J-	R CARBON FILM	1/6 240 OHM J		R889	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
R554	RD-4Z102J-	R CARBON FILM	1/4 1K OHM J		R901	RD-AZ471J-	R CARBON FILM	1/6 470 OHM J	
R568	RN-4Z4701F	R METAL FILM	1/4 4.70K OHM F		R903	RD-AZ471J-	R CARBON FILM	1/6 470 OHM J	
R603	RD-AZ392J-	R CARBON FILM	1/6 3.9K OHM J		R910	RD-AZ471J-	R CARBON FILM	1/6 470 OHM J	
R611	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J		R914	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J	
R613	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J		R918	RD-2Z102J-	R CARBON FILM	1/2 1K OHM J	
R615	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J		R919	RD-2Z102J-	R CARBON FILM	1/2 1K OHM J	
R634	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J		R920	RD-2Z102J-	R CARBON FILM	1/2 1K OHM J	
R635	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J						
R701	RD-AZ240J-	R CARBON FILM	1/6 24 OHM J						
R704	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J						
R707	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J						
R717	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J						
R718	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J						
R719	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J						

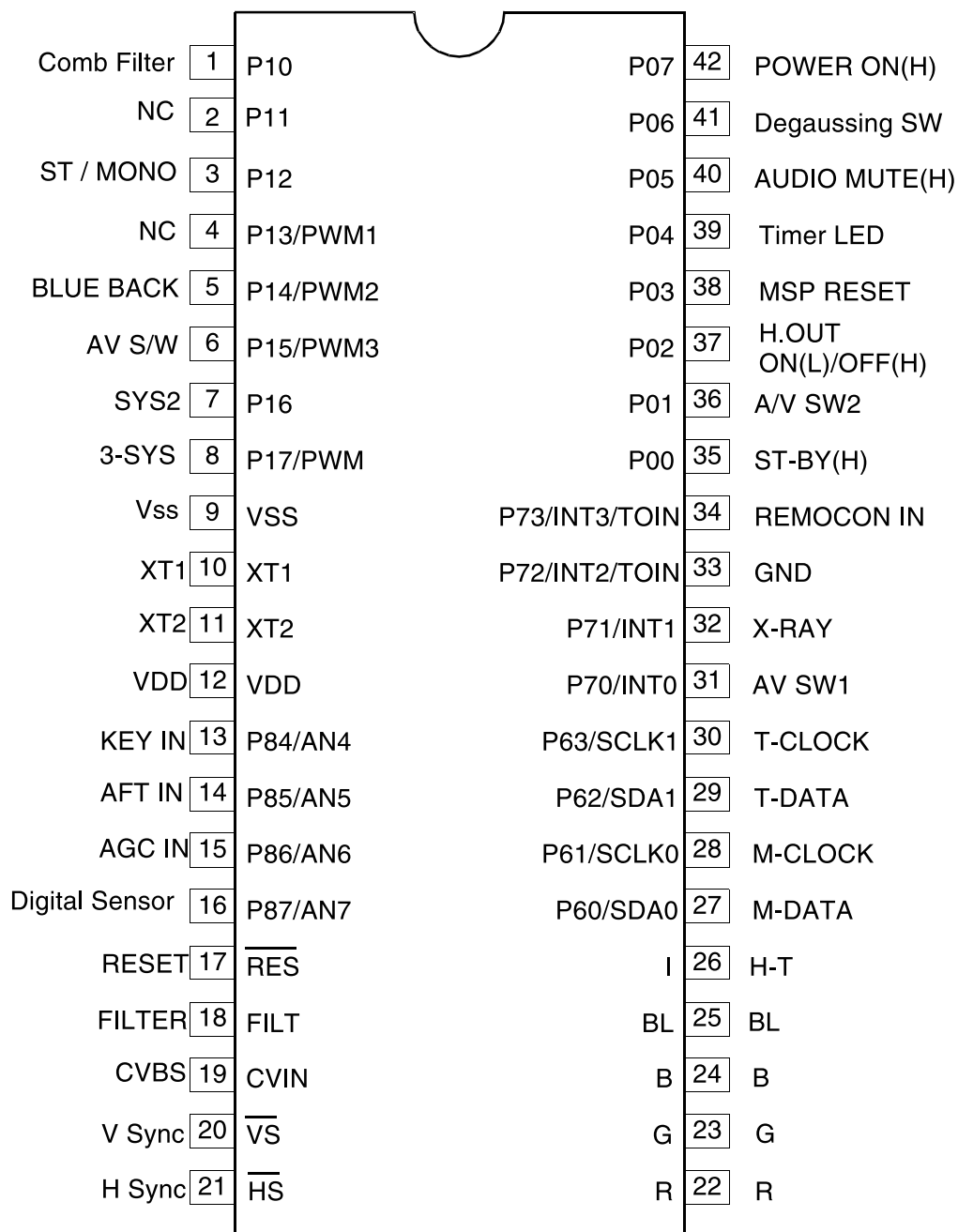
## SERVICE PARTS LIST

### 1. DIFFERENT PARTS LIST

LOC	PART CODE	PART NAME	DTQ-29S5FC	DTQ-26S5FC	
C312	C ELECTRO	50V RSS 10MF (5X11) TP	1	0	
C314	C CERA	50V CH 20PF J (AXIAL)	1	0	
C408	C MYLAR	1.6KV BUP 9100PF J	1	0	
C408	C MYLAR	1.6KV BUP 6000PF J	0	1	
C409	C MYLAR	1.6KV BUP 8200PF J	1	0	
C409	C MYLAR	1.6KV BUP 6200PF J	0	1	
C410	C MYLAR	400V PU 0.027MF J	1	0	
C430	C ELECTRO	50V RHD 6.8MF (16X35.5)	1	0	
CRT1	CRT AS	DTQ-26S5FC	0	1	
D402	DIODE	DG3	1	0	
D403	DIODE	RGP30J	1	0	
D404	DIODE	1N4148 (TAPPING)	1	0	
J027	WIRE COPPER	AWG22 1/0.65 TIN COATING	0	1	
J045	WIRE COPPER	AWG22 1/0.65 TIN COATING	0	1	
L403	COIL H-LINEARITY	TRL-190D	1	0	
L403	COIL H-LINEARITY	TRL-250D	0	1	
L404	COIL CHOKE	TLN-3062A	1	0	
M191	BUTTON CTRL AS	4954300+5548700	1	0	
M191	BUTTON CTRL AS	4954100+5548500	0	1	
M201	MASK FRONT	FR HIPS GY[782A]	1	0	
M201	MASK FRONT	FR HIPS BK	0	1	
M211	COVER BACK	FR HIPS BS	1	0	
M211	COVER BACK	FR HIPS BK	0	1	
M801	BOX CARTON	SW-4	1	0	
M801	BOX CARTON	DW-2	0	1	
M811	PAD	EPS 29S5	1	0	
M811	PAD	EPS 26S5	0	1	
R301	R CARBON FILM	1/4 7.5K OHM J	1	0	
R301	R CARBON FILM	1/4 6.2K OHM J	0	1	
R303	R CARBON FILM	1/6 10K OHM J	1	0	
R310	R CARBON FILM	1/6 10K OHM J	1	0	
R311	R CARBON FILM	1/6 36K OHM J	1	0	
R312	R CARBON FILM	1/6 13K OHM J	1	0	
R313	R CARBON FILM	1/6 91K OHM J	1	0	
R424	R CARBON FILM	1/4 12K OHM J	1	0	
R424	R CARBON FILM	1/4 11K OHM J	0	1	
R430	R M-OXIDE FILM	2W 10 OHM J SMALL	1	0	
RC915	R CHIP	1/16 470 OHM J 1608	1	0	
RC915	R CHIP	1/16 220 OHM J 1608	0	1	
V01	COIL DY	DAJ5287M	0	1	
V04	BOND SILICON	RTV 122 CARTRIDGE	0	1	
V05	MAGNET CP	NY-88DTA	0	1	
V06	RUBBER WEDGE	HMR 28SR(15X58)	0	1	
V901	CRT	A68AGA20X99	1	0	
V901	CRT BARE	A63AHC26X	0	1	
ZZ120	COVER BACK AS	DTQ-29S5FC	1	0	
ZZ120	COVER BACK AS	DTQ-26S5FC	0	1	
ZZ130	PACKING AS	DTQ-29S5FC	1	0	
ZZ130	PACKING AS	DTQ-26S5FC	0	1	
ZZ131	COIL DEGAUSSING	DC-29S1	1	0	
ZZ131	COIL DEGAUSSING	DC-25S1	0	1	
ZZ132	CRT GROUND AS	GND LINE IEA 29	1	0	
ZZ132	CRT GROUND AS	GND LINE IEA 26	0	1	
ZZ140	CABINET AS	DTQ-29S5FC	1	0	
ZZ140	CABINET AS	DTQ-26S5FC	0	1	
ZZ200	MASK FRONT AS	DTQ-29S5FC	1	0	
ZZ200	PCB MAIN M-10 AS	DTQ-29S5FC	1	0	
ZZ200	PCB MAIN (RHU) AS	DTQ-29S5FC	1	0	
ZZ200	PCB MAIN RADIAL AS	DTQ-29S5FC	1	0	
ZZ200	PCB MAIN AXIAL AS	DTQ-29S5FC	1	0	
ZZ200	PCB CHIP MOUNT B AS	DTQ-29S5FC	1	0	
ZZ200	MASK FRONT AS	DTQ-26S5FC	0	1	
ZZ200	PCB MAIN M-10 AS	DTQ-26S5FC	0	1	
ZZ200	PCB MAIN (RHU) AS	DTQ-26S5FC	0	1	
ZZ200	PCB MAIN RADIAL AS	DTQ-26S5FC	0	1	
ZZ200	PCB MAIN AXIAL AS	DTQ-26S5FC	0	1	
ZZ200	PCB CHIP MOUNT B AS	DTQ-26S5FC	0	1	
ZZ290	PCB MAIN MANUAL AS	DTQ-29S5FC	1	0	
ZZ290	PCB MAIN MANUAL AS	DTQ-26S5FC	0	1	

U-COM(I701)

## DW863240V-LA3



- X'TAL : 32.768 KHz



NO	PIN	PIN NAME	DESCRIPTION ( LEVEL )
1	1	Comb Filter	+5V
2	2	NC	NC
3	3	ST/MONO	+5V
4	4	NC	I503#6
5	5	BLUE BACK	+5V
6	6	AV S/W	+5V
7	7	SYS2	NC
8	8	3-SYS	GND
9	9	Vss	GND
10	10	XT1	32.768KHz
11	11	XT2	32.768KHz
12	12	Vdd	+5V
13	13	KEY IN	SW702~6
14	14	AFT IN	I101#10
15	15	AGC IN	TU01,I101#4
16	16	DIGITAL SENSOR	IF02
17	17	RESET	RESET ACTIVE "L"
18	18	FILTER	FILTER
19	19	CVBS	I501#12
20	20	VS	I101#30
21	21	HS	I101#31
22	22	R	I101#14
23	23	G	I101#15
24	24	B	I101#16
25	25	BL	I101#17
26	26	H-T	NC
27	27	MSP-DATA	IS601#8
28	28	MSP-CLOCK	IS601#7
29	29	T-DATA	TU01,I101#11
30	30	T-CLOCK	TU01,I101#12
31	31	AV S/W1	I503 #6
32	32	X-RAY	GND
33	33	GND	GND
34	34	REMOCON IN	IF01
35	35	STAND-BY	NC
36	36	AV S/W2	I503 #8
37	37	H-OUT	Q407 BASE ( TO 2SD2578)
38	38	MSP-RESET	IS601#20 ACTIVE "L"
39	39	TIMER LED	STD-BY: "H", TV ON: "L"
40	40	AUDIO MUTE	I602#10
41	41	Degaussing sw	Q703 BASE (TO RELAY) Degaussing : "H"
42	42	PWR ON	Q806 BASE(TO STR-F6656) TV ON : "H"

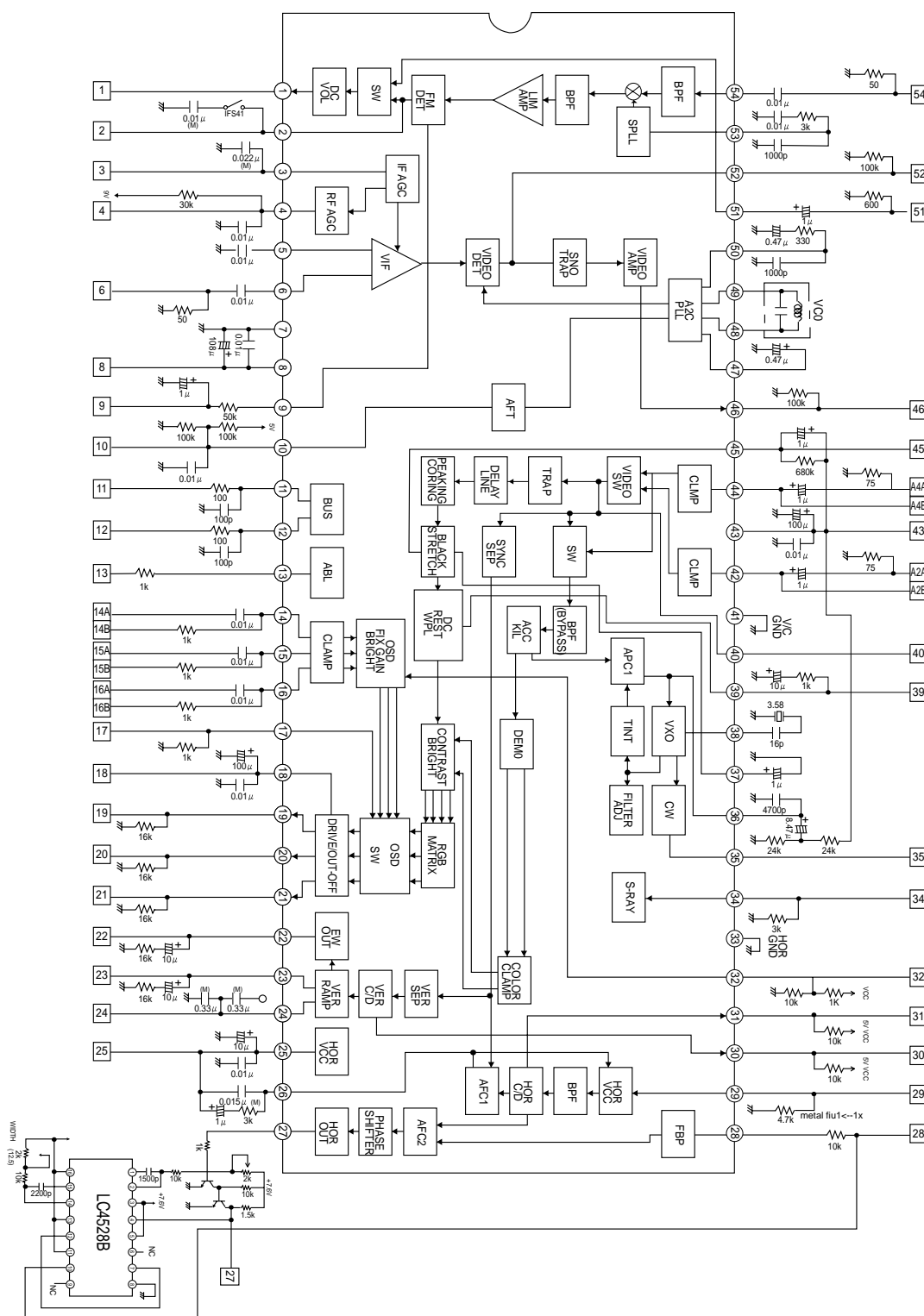
MSP(I601)

## MSP 3420G

TP	1	52	XTAL_OUT
AUD_CL_OUT	2	51	XTAL_IN
D_CTR_I/O_1	3	50	TESTEN
D_CTR_I/O_0	4	49	ANA_IN2+
ADR_SEL	5	48	ANA_IN-
STANDBYQ	6	47	ANA_IN1+
12C_CL	7	46	AVSUP
12C_DA	8	45	AVSS
12S_CL	9	44	MONO_IN
12S_WS	10	43	VREFTOP
12S_DA_OUT	11	42	SC1_IN_R
12S_DA_IN1	12	41	SC1_IN_L
ADR_DA	13	40	SC2_IN_R
ADR_WS	14	39	SC2_IN_L
ADR_CL	15	38	SC3_IN_R
DVSUP	16	37	SC3_IN_L
DVSS	17	36	AGNDC
12S_DA_IN2	18	35	AHVSS
NC	19	34	CAPL_M
RESETQ	20	33	AHVSUP
DACA_R	21	32	CAPL_A
DACA_L	22	31	SC1_OUT_L
VREF2	23	30	SC1_OUT_R
DACM_R	24	29	VREF1
DACM_L	25	28	SC2_OUT_L
DACM_SUB	26	27	SC2_OUT_R

PIN NUMBER (PSDIP52-PIN)	PIN NAME	TYPE	CONNECTION (IF NOT USED)	SHORT DESCRIPTION
1	TP		LV	TEST PIN
2	AUD-CL-OUT	OUT	LV	AUDIO CLOCK OUTPUT (18.432MHz)
3	D_CTR_I/O_1	IN/OUT	LV	D_CTR_I/O_1
4	D_CTR_I/O_0	IN/OUT	LV	D_CTR_I/O_0
5	ADR_SEL	IN	X	I <sup>2</sup> C Bus address select
6	STANDBYQ	IN	X	Stand-by (low-active)
7	I2C_CL	IN/OUT	X	I <sup>2</sup> C clock
8	I2C_DA	IN/OUT	X	I <sup>2</sup> C DATA
9	12S_CL	IN/OUT	LV	I <sup>2</sup> S clock
10	12S_WS	IN/OUT	LV	I <sup>2</sup> S word strobe
11	12S_DA_OUT	OUT	LV	I <sup>2</sup> S data output
12	12S_DA_IN1	IN	LV	I <sup>2</sup> S1 data input
13	ADR_DA	OUT	LV	ADR data output
14	ADR_WS	OUT	LV	ADR word strobe
15	ADR_CL	OUT	LV	ADR clock
16	DVSUP		X	Digital power supply 5V
17	DVSS		X	Digital ground
18	I2S_DA_IN2	IN	LV	I <sup>2</sup> S2-data input
19	NC		LV	Not connected
20	RESETQ	IN	X	Power-on-reset
21	DACA_R	OUT	LV	Headphone out, right
22	DACA_L	OUT	LV	Headphone out, left
23	VREF2		X	Reference ground 2
24	DACM_R	OUT	LV	Loudspeaker out, right
25	DACM_L	OUT	LV	Loudspeaker out, left
26	DACM-SUB	OUT	LV	Subwoofer output
27	SC2_OUT_R	OUT	LV	SCART output2, right
28	SC2_OUT_L	OUT	LV	SCART output2, left
29	VREF1		X	Reference ground 1
30	SC1_OUT_R	OUT	LV	SCART output1, right
31	SC1_OUT_L	OUT	LV	SCART output1, left
32	CAPL_A		X	Volume capacitor AUX
33	AHVSUP		X	Analog power supply 8V
34	CAPL_M		X	Volume capacitor MAIN
35	AHVSS		X	Analog ground
36	AGNDC		X	Analog reference voltage
37	SC3_IN_L	IN	LV	SCART 3 input, left
38	SC3_IN_R	IN	LV	SCART 3 input, right
39	SC2_IN_L	IN	LV	SCART 2 input, left
40	SC2_IN_R	IN	LV	SCART 2 input, right
41	SC1_IN_L	IN	LV	SCART 1 input, left
42	SC1_IN_R	IN	LV	SCART 1 input, right
43	VREFTOP		X	Refrence voltage IF A/D converter
44	MONO_IN	IN	LV	Mono input
45	AVSS		X	Analog ground
46	AVSUP		X	Analog power supply 5V
47	ANA_IN1+	IN	LV	IF input 1
48	ANA_IN-	IN	AVSS via 56pF/LV	IF common(can be left vacant, only if IF input 1 is also not in use)
49	ANA_IN_2+	IN	AVSS via 56pF/LV	IF input 2(can be left vacant, only if IF input 1 is also not in use)
50	TESTEN	IN	X	TEST PIN
51	XTAL_IN	IN	X	Crystal oscillator
52	XTAL_OUTA	OUT	X	Crystal oscillator

## LA76834



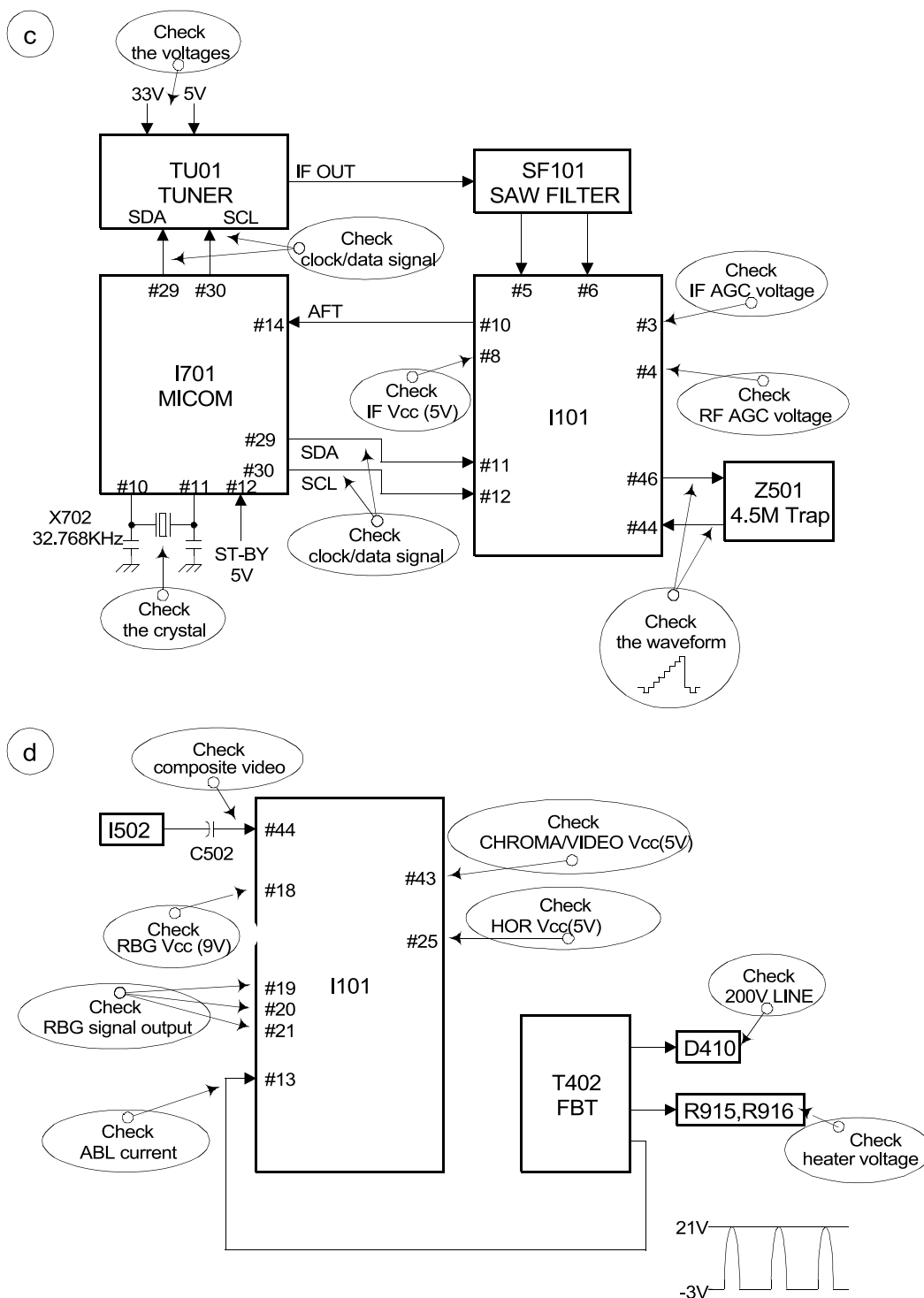
## LA76834 Pin Assignment

PIN	FUNCTION	PIN	FUNCTION
1	Audio Output	54	SIF Input
2	FM Output	53	SIF APC Filter
3	PIF AGC	52	SIF Output
4	RF AGC Output	51	Ext. Audio Input
5	PIF Input 1	50	APC Filter
6	PIF Input 1	49	VCO Coil 1
7	IF Ground	48	VCO Coil 2
8	IF Vcc	47	FLL Filter
9	FM Filter	46	Video Output
10	AFT Output	45	Black Level Detector
11	Bus Data	44	Internal Video Input(S-C IN)
12	Bus Clock	43	Video/Vertical Vcc
13	ABL	42	External Video Input(Y IN)
14	Red Input	41	Video/Vertical/BUS Ground
15	Green Input	40	Selected Video Output
16	Blue Input	39	DC Rest Filter
17	Fast Blanking Input	38	3.58MHz Crystal
18	RGB Vcc	37	Clamp Filter
19	Red Output	36	Chroma APC Filter
20	Green Output	35	fsc(3.58MHz) Output
21	Blue Output	34	XRAY
22	East/West Output	33	Horizontal Ground
23	Vertical Output	32	OSD Contrast(White Level)
24	Ramp ALC Filter	31	HS
25	Horizontal/BUS Vcc	30	VS
26	Horizontal AFC Filter	29	VCO IREF
27	Horizontal Output	28	Flyback Pulse Input

The schematic diagram illustrates the power supply section of a radio receiver. It begins with a PWC1 POWER CORD connected to a transformer (T801, TSM-4242B5). The transformer has multiple secondary windings providing different voltage levels: +132V, +45V, +15V, and a center tap (0V). The +132V line passes through a fuse (F801, 125V 5A) and a diode (D801, PBS606G) before reaching a resistor (R802, 10W 1Ω) and a capacitor (C804). The +45V line is connected to a diode (D807) and a capacitor (C801). The +15V line is connected to a diode (D803) and a capacitor (C829). The center tap is connected to ground. The diagram also shows a relay (RLY) and a diode (D806) connected to the +132V line. Various other components like resistors (R803, R804, R805, R806, R807, R808, R809, R810, R811, R812, R813, R814, R815, R816, R817, R818, R819, R820, R821, R822, R823, R824, R825, R826, R827, R828, R829, R830, R831, R832, R833, R834, R835, R836, R837, R838, R839, R840, R841, R842, R843, R844, R845, R846, R847, R848, R849, R850, R851, R852, R853, R854, R855, R856, R857, R858, R859, R860, R861, R862, R863, R864, R865, R866, R867, R868, R869, R870, R871, R872, R873, R874, R875, R876, R877, R878, R879, R880, R881, R882, R883, R884, R885, R886, R887, R888, R889, R890, R891, R892, R893, R894, R895, R896, R897, R898, R899, R900, R901, R902, R903, R904, R905, R906, R907, R908, R909, R910, R911, R912, R913, R914, R915, R916, R917, R918, R919, R920, R921, R922, R923, R924, R925, R926, R927, R928, R929, R930, R931, R932, R933, R934, R935, R936, R937, R938, R939, R940, R941, R942, R943, R944, R945, R946, R947, R948, R949, R950, R951, R952, R953, R954, R955, R956, R957, R958, R959, R960, R961, R962, R963, R964, R965, R966, R967, R968, R969, R970, R971, R972, R973, R974, R975, R976, R977, R978, R979, R980, R981, R982, R983, R984, R985, R986, R987, R988, R989, R990, R991, R992, R993, R994, R995, R996, R997, R998, R999, R1000) and capacitors (C801, C802, C803, C804, C805, C806, C807, C808, C809, C810, C811, C812, C813, C814, C815, C816, C817, C818, C819, C820, C821, C822, C823, C824, C825, C826, C827, C828, C829, C830, C831, C832, C833, C834, C835, C836, C837, C838, C839, C840, C841, C842, C843, C844, C845, C846, C847, C848, C849, C850, C851, C852, C853, C854, C855, C856, C857, C858, C859, C860, C861, C862, C863, C864, C865, C866, C867, C868, C869, C870, C871, C872, C873, C874, C875, C876, C877, C878, C879, C880, C881, C882, C883, C884, C885, C886, C887, C888, C889, C890, C891, C892, C893, C894, C895, C896, C897, C898, C899, C900, C901, C902, C903, C904, C905, C906, C907, C908, C909, C910, C911, C912, C913, C914, C915, C916, C917, C918, C919, C920, C921, C922, C923, C924, C925, C926, C927, C928, C929, C930, C931, C932, C933, C934, C935, C936, C937, C938, C939, C940, C941, C942, C943, C944, C945, C946, C947, C948, C949, C950, C951, C952, C953, C954, C955, C956, C957, C958, C959, C960, C961, C962, C963, C964, C965, C966, C967, C968, C969, C970, C971, C972, C973, C974, C975, C976, C977, C978, C979, C980, C981, C982, C983, C984, C985, C986, C987, C988, C989, C990, C991, C992, C993, C994, C995, C996, C997, C998, C999, C1000) are used for filtering and regulation. The diagram also shows a diode (D804) and a capacitor (C829) connected to the +45V line. The +15V line is connected to a diode (D803) and a capacitor (C829). The center tap is connected to ground. The diagram also shows a diode (D807) and a capacitor (C801) connected to the +132V line. Various other components like resistors (R803, R804, R805, R806, R807, R808, R809, R810, R811, R812, R813, R814, R815, R816, R817, R818, R819, R820, R821, R822, R823, R824, R825, R826, R827, R828, R829, R830, R831, R832, R833, R834, R835, R836, R837, R838, R839, R840, R841, R842, R843, R844, R845, R846, R847, R848, R849, R850, R851, R852, R853, R854, R855, R856, R857, R858, R859, R860, R861, R862, R863, R864, R865, R866, R867, R868, R869, R870, R871, R872, R873, R874, R875, R876, R877, R878, R879, R880, R881, R882, R883, R884, R885, R886, R887, R888, R889, R890, R891, R892, R893, R894, R895, R896, R897, R898, R899, R900, R901, R902, R903, R904, R905, R906, R907, R908, R909, R910, R911, R912, R913, R914, R915, R916, R917, R918, R919, R920, R921, R922, R923, R924, R925, R926, R927, R928, R929, R930, R931, R932, R933, R934, R935, R936, R937, R938, R939, R940, R941, R942, R943, R944, R945, R946, R947, R948, R949, R950, R951, R952, R953, R954, R955, R956, R957, R958, R959, R960, R961, R962, R963, R964, R965, R966, R967, R968, R969, R970, R971, R972, R973, R974, R975, R976, R977, R978, R979, R980, R981, R982, R983, R984, R985, R986, R987, R988, R989, R990, R991, R992, R993, R994, R995, R996, R997, R998, R999, R1000) and capacitors (C801, C802, C803, C804, C805, C806, C807, C808, C809, C810, C811, C812, C813, C814, C815, C816, C817, C818, C819, C820, C821, C822, C823, C824, C825, C826, C827, C828, C829, C830, C831, C832, C833, C834, C835, C836, C837, C838, C839, C840, C841, C842, C843, C844, C845, C846, C847, C848, C849, C850, C851, C852, C853, C854, C855, C856, C857, C858, C859, C860, C861, C862, C863, C864, C865, C866, C867, C868, C869, C870, C871, C872, C873, C874, C875, C876, C877, C878, C879, C880, C881, C882, C883, C884, C885, C886, C887, C888, C889, C890, C891, C892, C893, C894, C895, C896, C897, C898, C899, C900, C901, C902, C903, C904, C905, C906, C907, C908, C909, C910, C911, C912, C913, C914, C915, C916, C917, C918, C919, C920, C921, C922, C923, C924, C925, C926, C927, C928, C929, C930, C931, C932, C933, C934, C935, C936, C937, C938, C939, C940, C941, C942,

## 2. NO PICTURE

Check the waveform of I101 #46	NG : GO to the figure ㉓
	OK : Go the figure ㉔

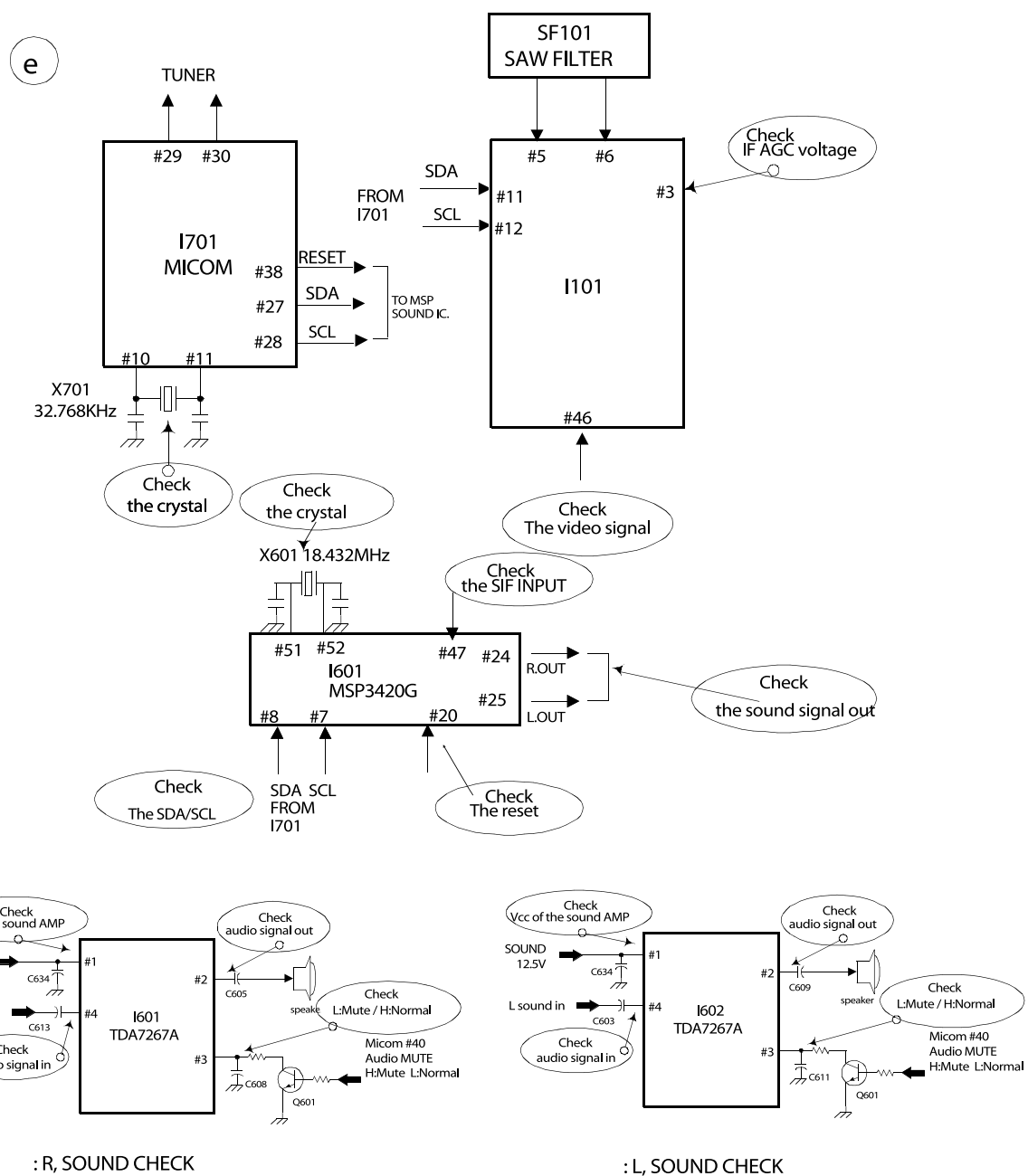


## 3. NO SOUND

Check audio output signal of I601 #24 #25

NG : Go to the figure ⑤

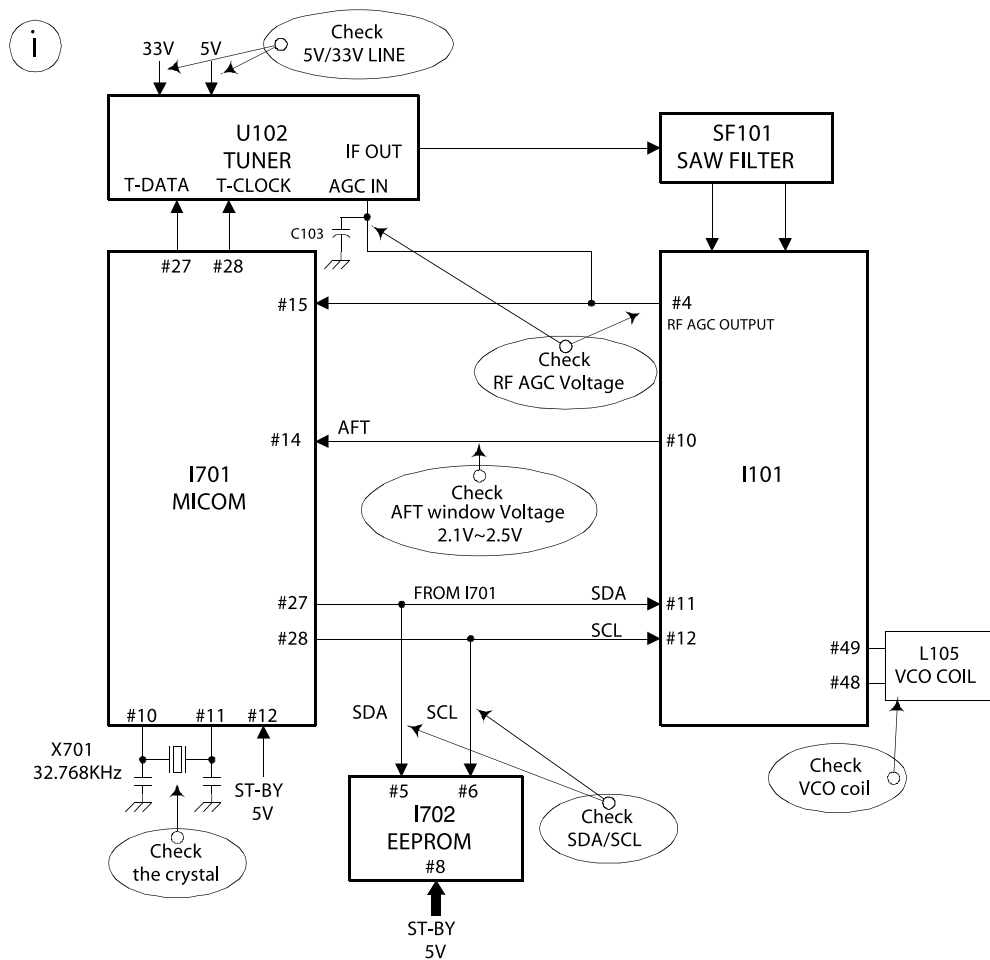
OK : Go to the figure ⑥



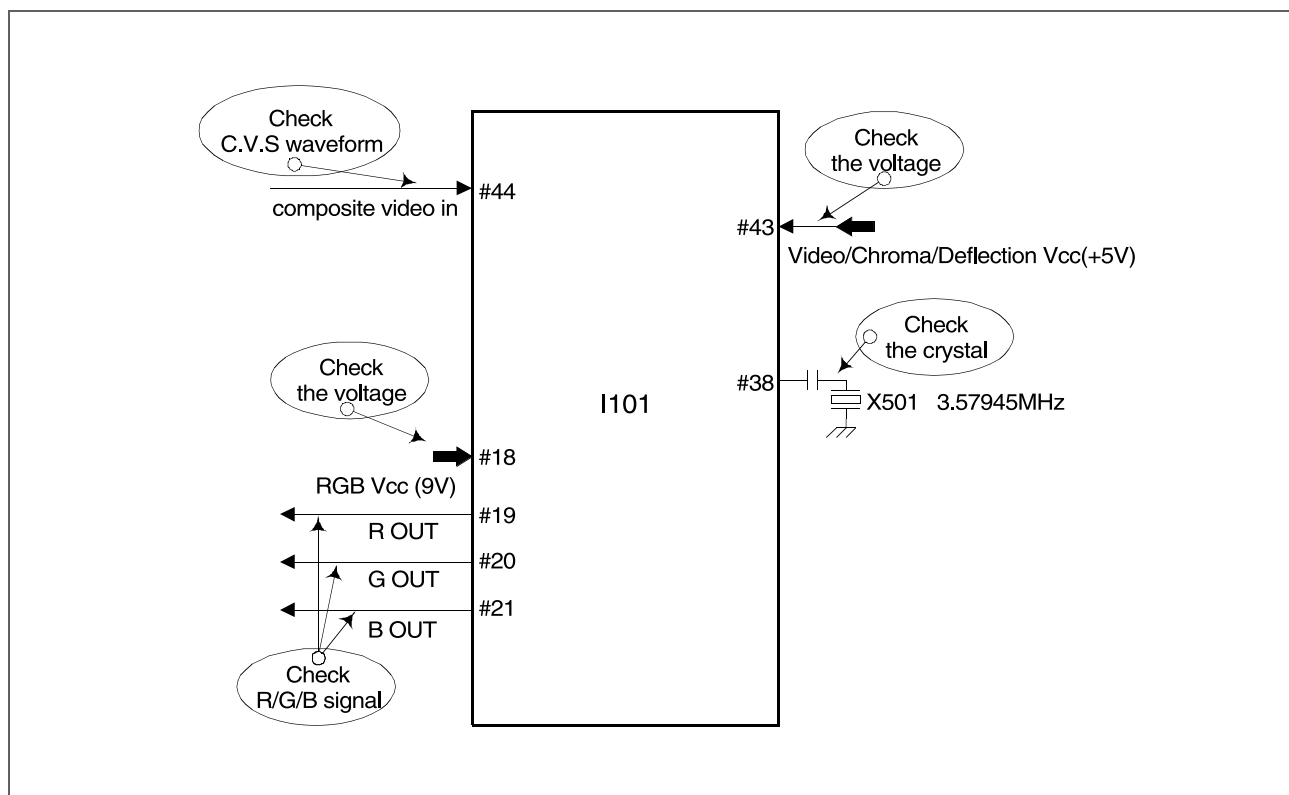


## 4. CH DON'T STOP

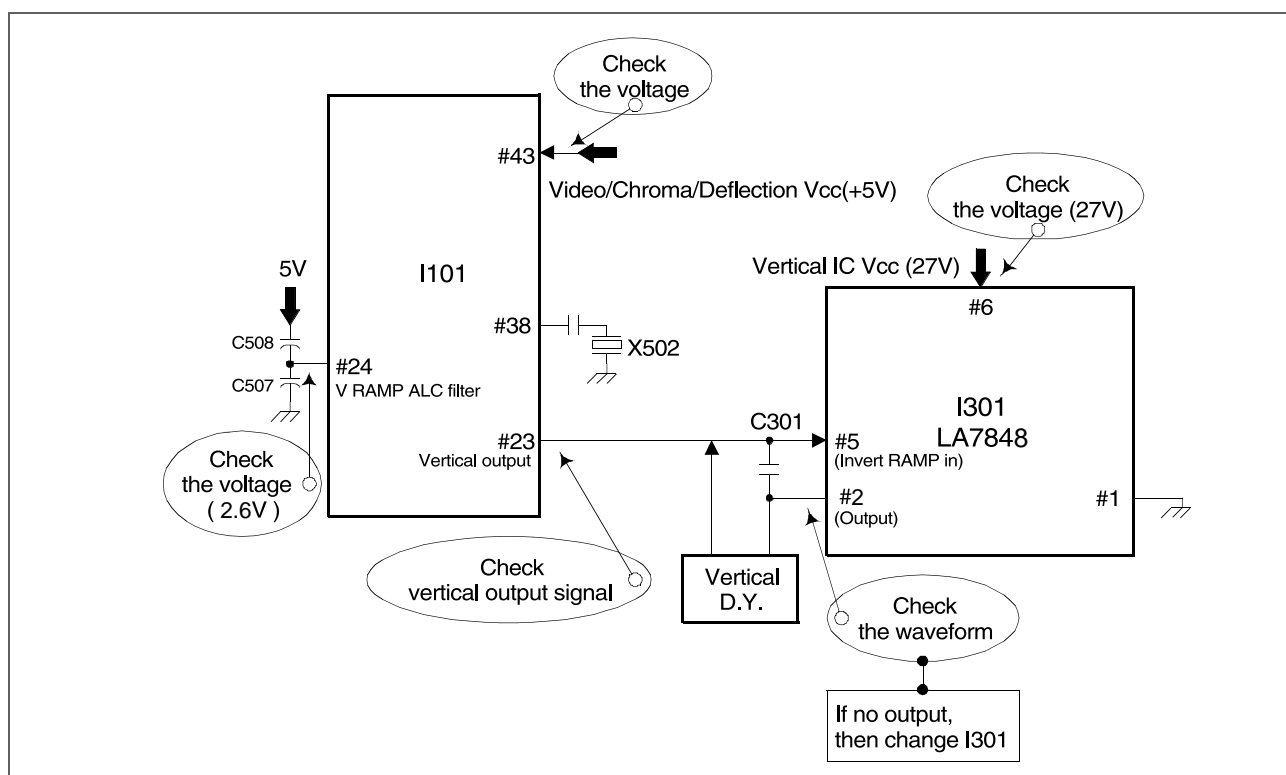
Check the input signal conditions	NG : Loss of signal or weak signal
	OK : Go to the figure ①



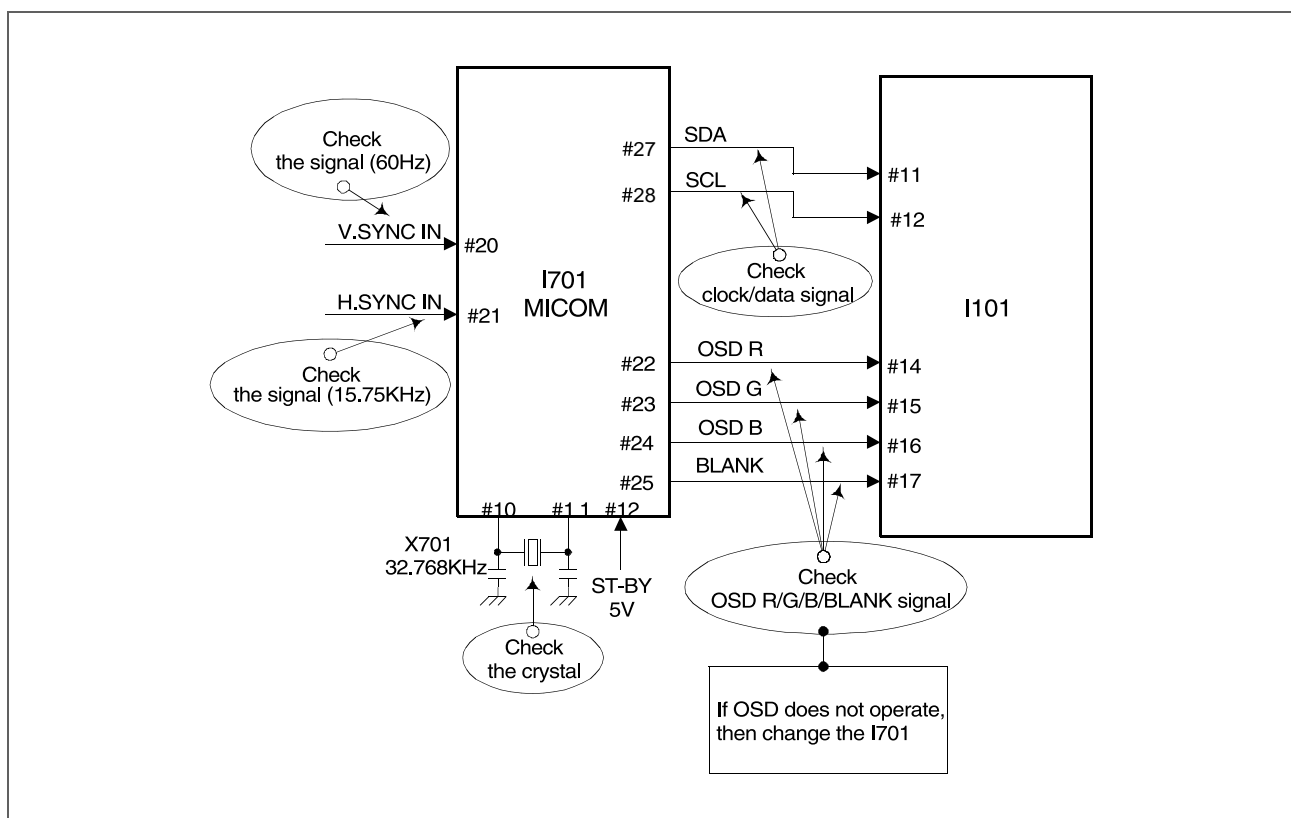
## 5. NO COLOR



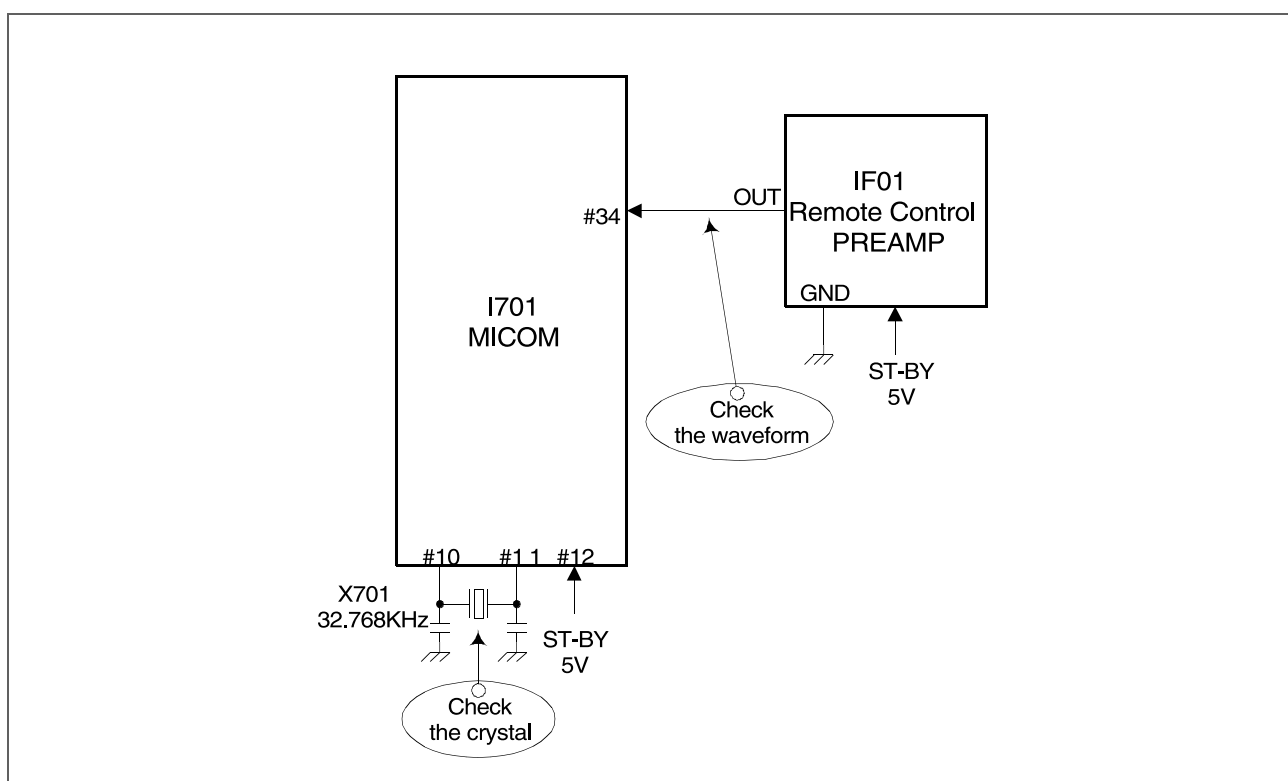
## 6. NO VERTICAL DEFLECTION



## 7. NO OSD (ON SCREEN DISPLAY)



## 8. NO REMOCON RECEIPT



**DAEWOO**

**DAEWOO ELECTRONICS CO., LTD**

686, AHYEON-DONG MAPO-GU  
SEOUL, KOREA  
C.P.O. BOX 8003 SEOUL, KOREA  
TELEX : DWELEC K28177-8  
CABLE : "DAEWOOELEC"