



Manual de Service

Modelo CDH-29GS2

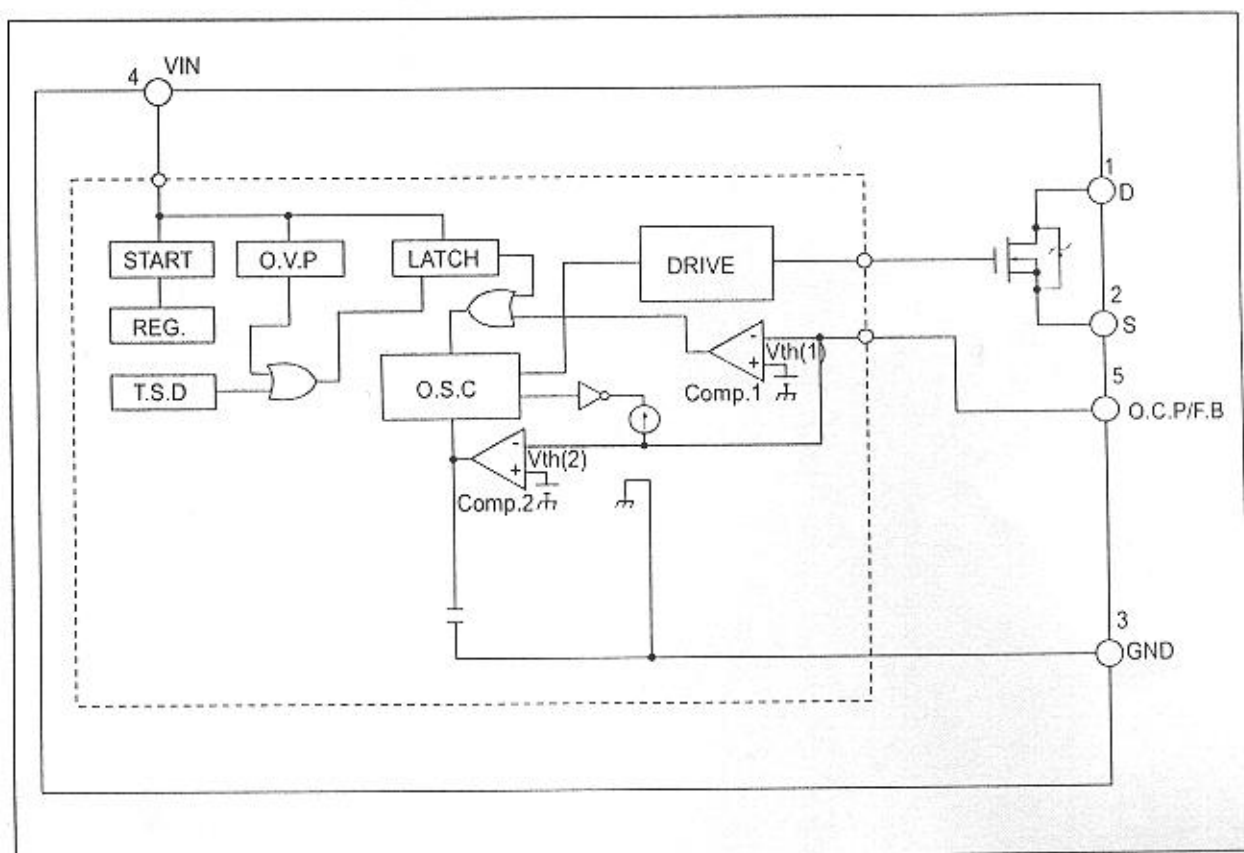


2. PRODUCT SPECIFICATION

ITEM			SPECIFICATION	REMARK
1. GENERAL	(1) MODEL NO.		CDH-29GS2	
	(2) CHASSIS NO.		H-902F	
	(3) TUNING SYSEM	1) METHOD	FREQUENCY SYNTHESIZE	
		2) CHANNEL OF PROGRAM	181 CHS	
		3) REMOTE CONTROLLER		
2. ELECT- RICAL	(1) CCIR STANDARD			
	(2) COLOR STANDARD		NTSC, PAL M/N	
	(3) ANT.INPUT	1) TERMINAL	75 OHM ONLY(UHF, VHF 1 INPUT)	
		2) ANTENNA		
	(4) TUNER	1) TYPE	ELECTRONIC & VARACTOR	
		2) PART NO	TEAC-H004D OR DT5-NF20D	
	(5) RECEPTION CHANNEL	1) VHF	TV L:CH 2 - CH.6 H:CH.7 - CH.13 CATV L:A - B - B H.C - W+11	
		2) UHF	TV CH.14 - CH.69 CATV W+12 - W+84	
	(6) IF & SUBCARRIER	1) PIF	45.75MHz	
		2) SIF	41.25MHz	
		3) SOUND SUBCARRIER	4.5MHz	
		4) COLOR SUBCARRIER	PAL M:3 575811MHz PAL N:3 582056MHz NTSC-M:3 579545MHz	
	(7) SOUND TRANSMISSION (DECODING) SYSTEM		F.M	
	(8) MAINS	1) VOLTAGE & FREQUENCY	AC90-260V, 50/60Hz	
		2) CORD	ARGENTINA PLUG	
		3) POWER CONSUMPTION	110W	
	(9) COUNTRY		ARGENTINA	
	(10) SAFETY STANDARD		NONE	
	(11) AUX TERMINAL	1) INPUT	FRONT : AUDIO(LEFT, RIGHT), VIDEO2 BACK : AUDIO(LEFT, RIGHT), VIDEO1, S.VHS INPUT	
		2) OUTPUT	BACK : AUDIO(LEFT, RIGHT), VIDEO1	



7-5 POWER IC(I801) : STR-G6656



● Function of Terminal

Terminal No.	Symbols	Description	Functions
1	D	Drain terminal	MOS FET drain
2	S	Source terminal	MOS FET source
3	GND	Ground terminal	Ground
4	VIN	Power supply terminal	Input of power supply for control circuit
5	O.C.P/F.B	Overcurrent/Feedback terminal	Input of overcurrent detection signal and constant voltage control signal.

● Other Functions

Symbols	Functions
O.V.P	Overvoltage protection circuit
T.S.D	Thermal shutdown circuit



7-2 MAIN IC(I 201) : LA76805

AUDIO OUT	1	54	SIF INPUT
FM OUTPUT	2	53	SIF APC FILTER
PIF AGC	3	52	SIF OUTPUT
RF AGC OUT	4	51	EXT. AUDIO INPUT
PIF INPUT1	5	50	VCO FILTER
PIF INPUT2	6	49	VCO COIL1
IF GND	7	48	VCO COIL2
IF VCC	8	47	APC FILTER
FM FILTER	9	46	VIDEO OUTPUT
AFT OUTPUT	10	45	BLACK LEVEL DETECTOR
BUS DATA	11	44	INT.VIDEO INPUT(S-C IN)
BUS CLOCK	12	43	VIDEO/VER VCC
ABL IN	13	42	EX VIDEO INPUT(Y IN)
OSD RED INPUT	14	41	VIDEO/VER/BUS GND
OSD GREEN INPUT	15	40	VIDEO OUTPUT
OSD BLUE INPUT	16	39	CHROMA ATC1 FILTER
FAST BLANKING INPUT	17	38	3.58 CRYSTAL
RGB VCC	18	37	fsc OUTPUT
RED OUTPUT	19	36	CHROMA AFC2 FILTER
GREEN OUTPUT	20	35	
BLUE OUTPUT	21	34	X-RAY INPUT
B.AKV INPUT	22	33	CCD/HOR GND
VERTICAL OUTPUT	23	32	CCD FILTER
RAMP ALO FILTER	24	31	CCD VCC
HOR./BUS VCC	25	30	CLOCK(4MHZ) OUTPUT
HOR.AFO FIL TER	26	29	VCO IREF
HORIZONTAL OUTPUT	27	28	FBP INPUT



PIN	Terminal	Name	Explanation	Remarks																																											
25	BL	BL	Fast blanking control signal. with TV image signal and caption / OSD image signal. Output terminal.																																												
26	I	N.C																																													
27	P60/SDA 0	ROM Data Main IC Data Tuner Data	6-bit input/ output port Input/output can be specified for each bit Other function																																												
28	P61/SCLK 0	ROM CLK Main IC CLK Tuner CLK	<table><tr><td>P60</td><td>IIC0 data I/O</td></tr><tr><td>P61</td><td>IIC0 clock output</td></tr></table>	P60	IIC0 data I/O	P61	IIC0 clock output																																								
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P61	IIC0 clock output																																														
29	P62	N.C																																													
30	P63	N.C																																													
31	P70/INT 0	N.C	4-bit input/ output port . Input/output can be specified for each bit X-RAY Protection:Active(High)																																												
32	P71/INT 1	X-RAY	Other funtion																																												
33	P72/INT2/ T01N	N.C	<table><tr><td></td><td>R</td><td>F</td><td>R/F</td><td>H</td><td>L</td><td>V</td></tr><tr><td>INT0</td><td>E</td><td>E</td><td>D</td><td>E</td><td>E</td><td>03H</td></tr><tr><td>INT1</td><td>E</td><td>E</td><td>D</td><td>E</td><td>E</td><td>0BH</td></tr><tr><td>INT2</td><td>E</td><td>E</td><td>E</td><td>D</td><td>D</td><td>13H</td></tr><tr><td>INT3</td><td>E</td><td>E</td><td>E</td><td>D</td><td>D</td><td>1BH</td></tr></table> Interrupt receiver format, vector addresses. <table><tr><td>P70</td><td>INT0 input/HOLD release input/Nch-Tr . output for watchdog timer.</td></tr><tr><td>P71</td><td>INT1 input/HOLD release input</td></tr><tr><td>P72</td><td>INT2 input/Timer 0 event input.</td></tr><tr><td>P73</td><td>INT3 input(noise rejection filter attached)/Timer.</td></tr></table> Notice → R is flag. If level 11kΩ & Vcc to PEnable DD state		R	F	R/F	H	L	V	INT0	E	E	D	E	E	03H	INT1	E	E	D	E	E	0BH	INT2	E	E	E	D	D	13H	INT3	E	E	E	D	D	1BH	P70	INT0 input/HOLD release input/Nch-Tr . output for watchdog timer.	P71	INT1 input/HOLD release input	P72	INT2 input/Timer 0 event input.	P73	INT3 input(noise rejection filter attached)/Timer.	
	R	F	R/F	H	L	V																																									
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P73	INT3 input(noise rejection filter attached)/Timer.																																														
34	P72/INT3/	Remocon In																																													
35	P00	ST_By LED	This port uses when is Stand-By status. Condition : Input AC Power On. -Power off : Low(DC 0V)LED → LED ON(Red) -Power on : High(DC 5V) → LED OFF																																												
36	P01	TV/VIDEO	TV Mode: 'High' Line(Video)Mode 'Low'																																												
37	P02	VIDEO1 / VIDEO2	VIDEO 1 Mode: Low VIDEO 2 Mode: High																																												
38	P03	MSP Reset	MSP Reset : High	STEREO MSP3435G																																											
39	P04	N.C																																													
40	P05	Audio Mute	Audio Mute : High																																												
41	P06	N.C																																													
42	P07	Power	Use when does power off/on Power Off : Output 'Low(DC 0V) Power On : Output 'High(DC 5V)																																												



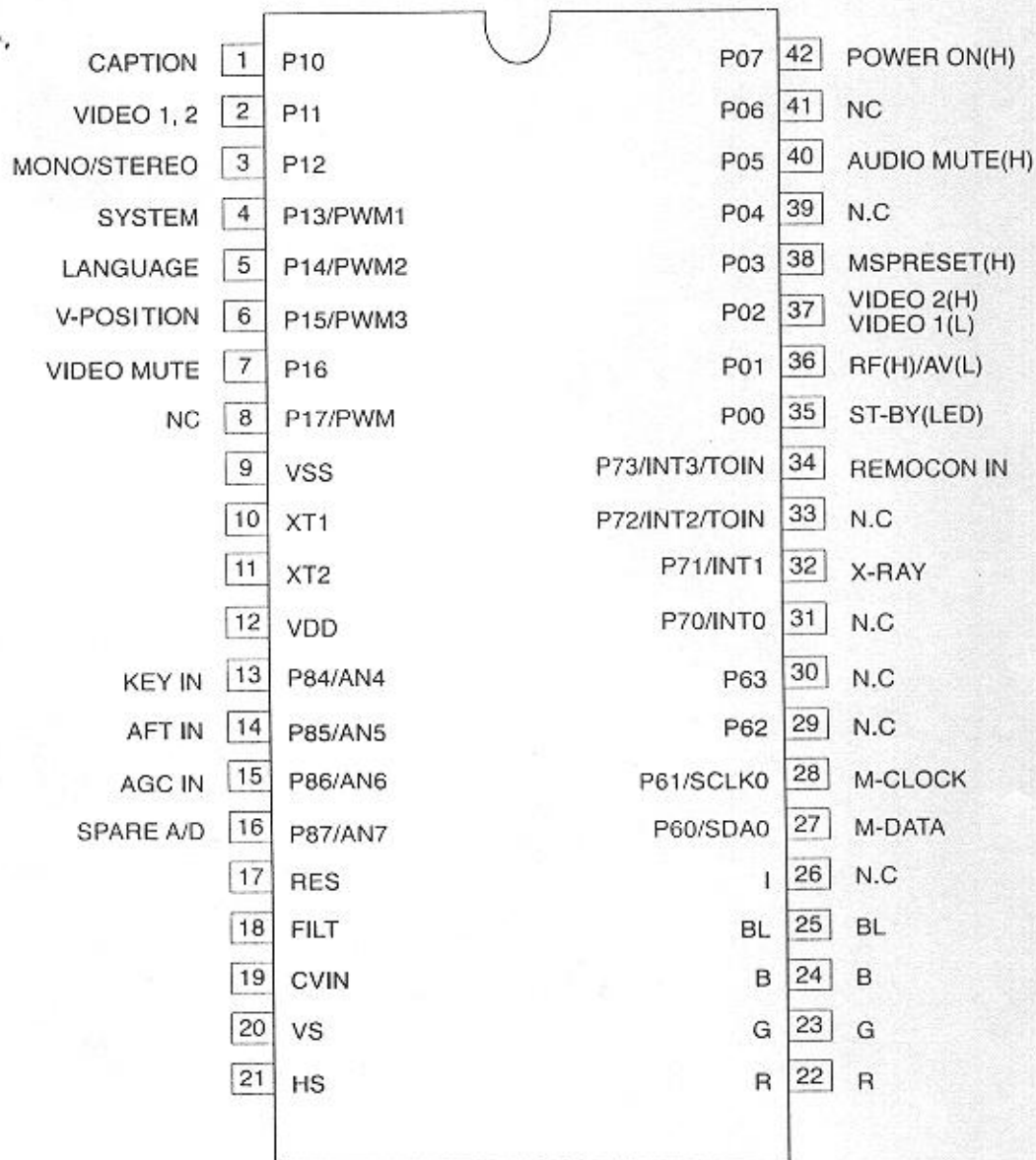
● Pin Description

PIN	Terminal	Name	Explanation	Remarks
1	P10	Caption (Option)	Hight(DC_5V):Without caption Low(DC_0V):With caption	- Output Format. - CMOS/Nch - OD.
2	P11	VIDEO (Option)	Hight(DC_5V):VIDEO 1, VIDEO 2 Low(DC_0V):VIDEO	
3	P12	MONO/STEREO (Option)	Hight(DC_5V):Stereo Low(DC_0V):Mono	
4	P13/PWM1	SYSTEM (Option)	Hight(DC_5V):NTSC Low(DC_0V):3 System(NTSC, PAL M/N)	
5	P14/PWM2	Language (Option)	Hight(DC_5V):4 Language Low(DC_0V):3 Language	
6	P15/PWM3	V-Position	PWM output(adjust the V-position)	
7	P16	Mute (Option)	Hight(DC_5V): in case of power off, No video mute Low(DC_0V): in case of power off, video mute	
8	P17/PWM	N.C	The 8 pin is a spare pin	
9	VSS	GND	GND Negative power supply	
10	XT1	XT1	It uses 32.768KHz X-TAL	
11	XT2	XT2	10 pin is input terminal for crystal oscillator 11 pin is output terminal for crystal oscillator	
12	VDD	VDD	+5V ($\pm 0.5V$) Positive power supply.	
13	P84/AN4	KEY IN	Power, Ch up/down. Vol up/down, Menu.	
14	P85/AN5	AFT IN	DC value that comes from the 10 pin of LA76810/14	
15	P86/AN6	AGC IN	Connect this port to AGC of Tuner Default Voltage:3.75V Variable Voltages:2.25V~4V	
16	P87/AN7	N.C	A/D	
17	/RES	/RES	Reset terminal Active High	
18	FILT	Filter	Filter terminal for PLL Output terminal.	
19	CAIN	CVSB IN	Video signal input terminal.	
20	/VS	/VS	Vertical sysnchronization signal input terminal.	
21	/HS	/HS	Horizontal sysnchronization signal input terminal.	
22	R	R	Red output terminal of RGB image.	
23	G	G	Green output terminal of RGB image.	
24	B	B	Blue output terminal of RGB image.	



7. IC DESCRIPTION

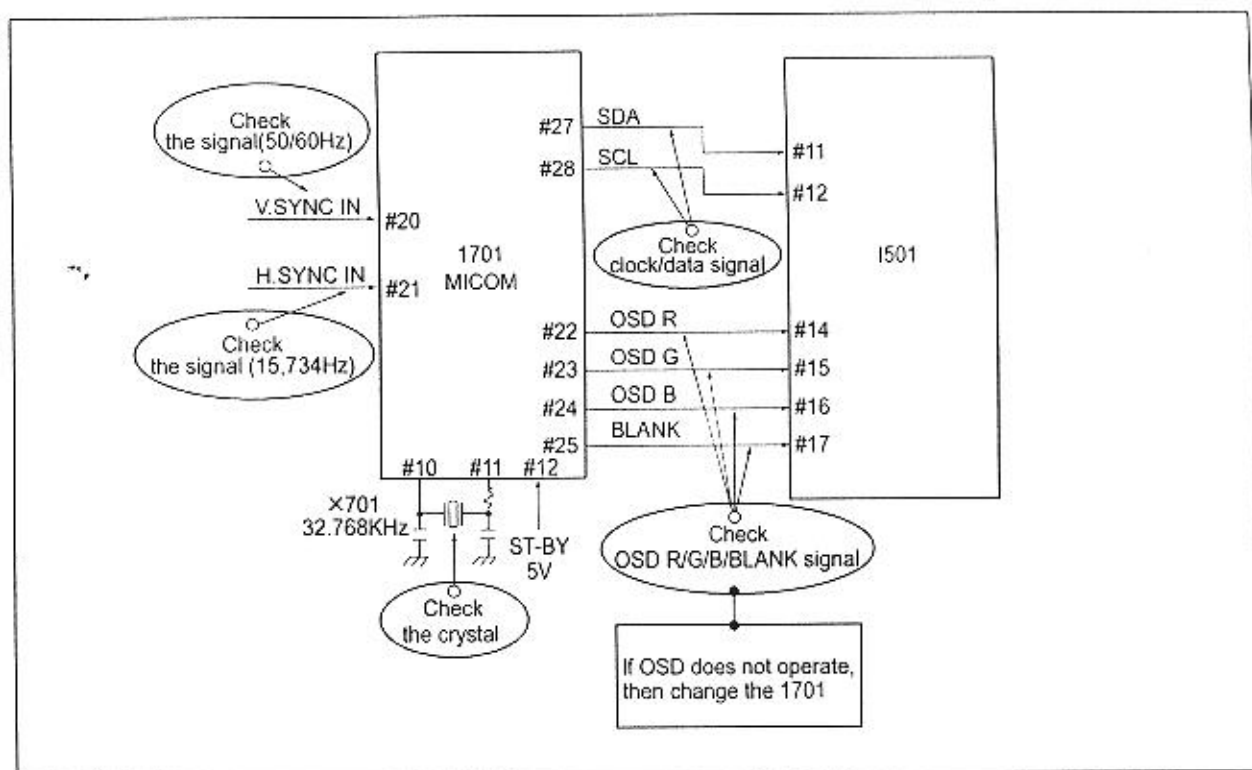
7-1 μ - COM IC(I701) :LC86323V



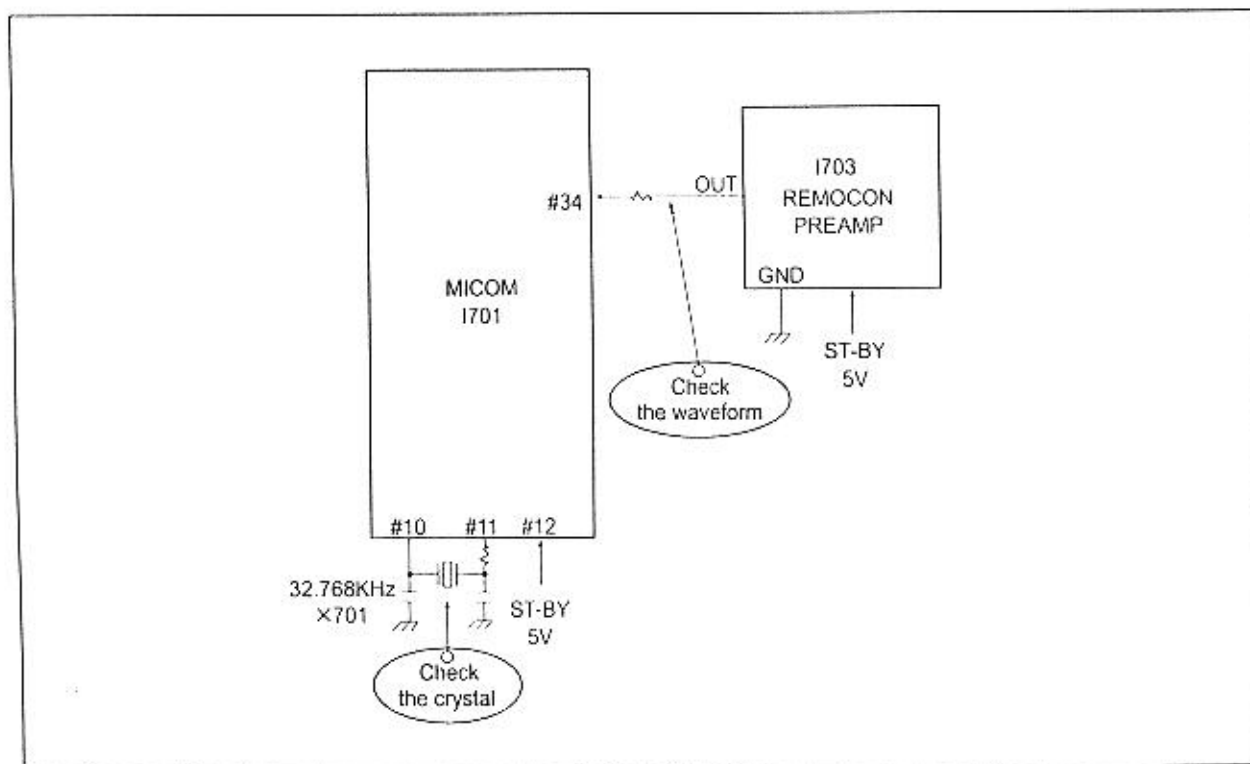
X'TAL : 32.768KHz



6-7 NO ON-SCREEN DISPLAY

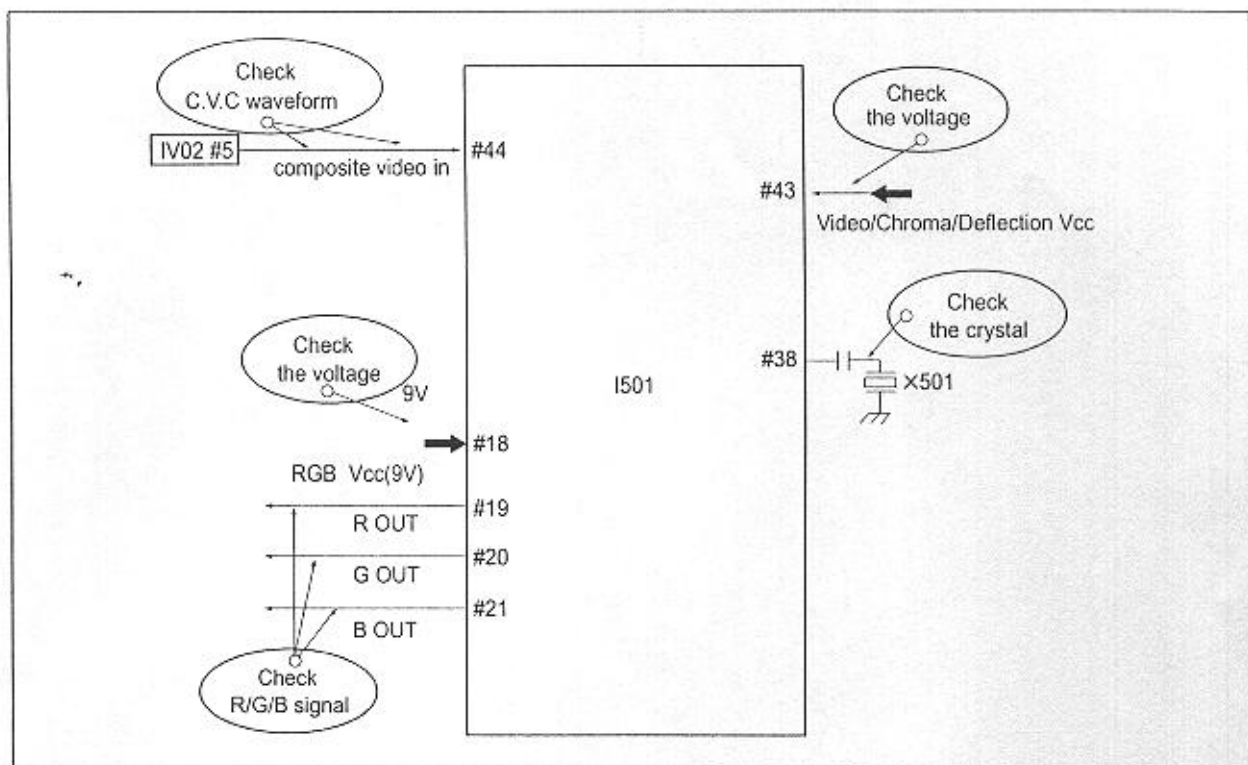


6-8 REMOTE CONTROL DOES NOT OPERATE

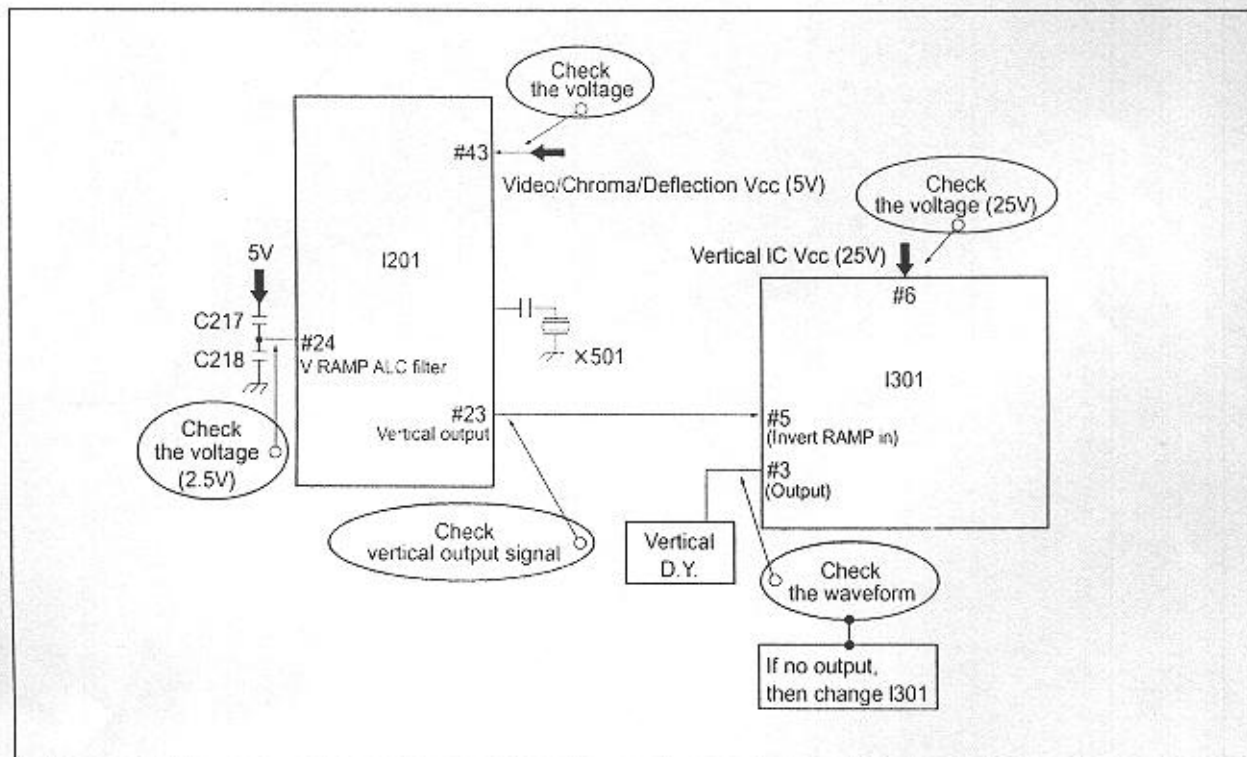




6-5 NO COLOR



6-6 NO VERTICAL DEFLECTION



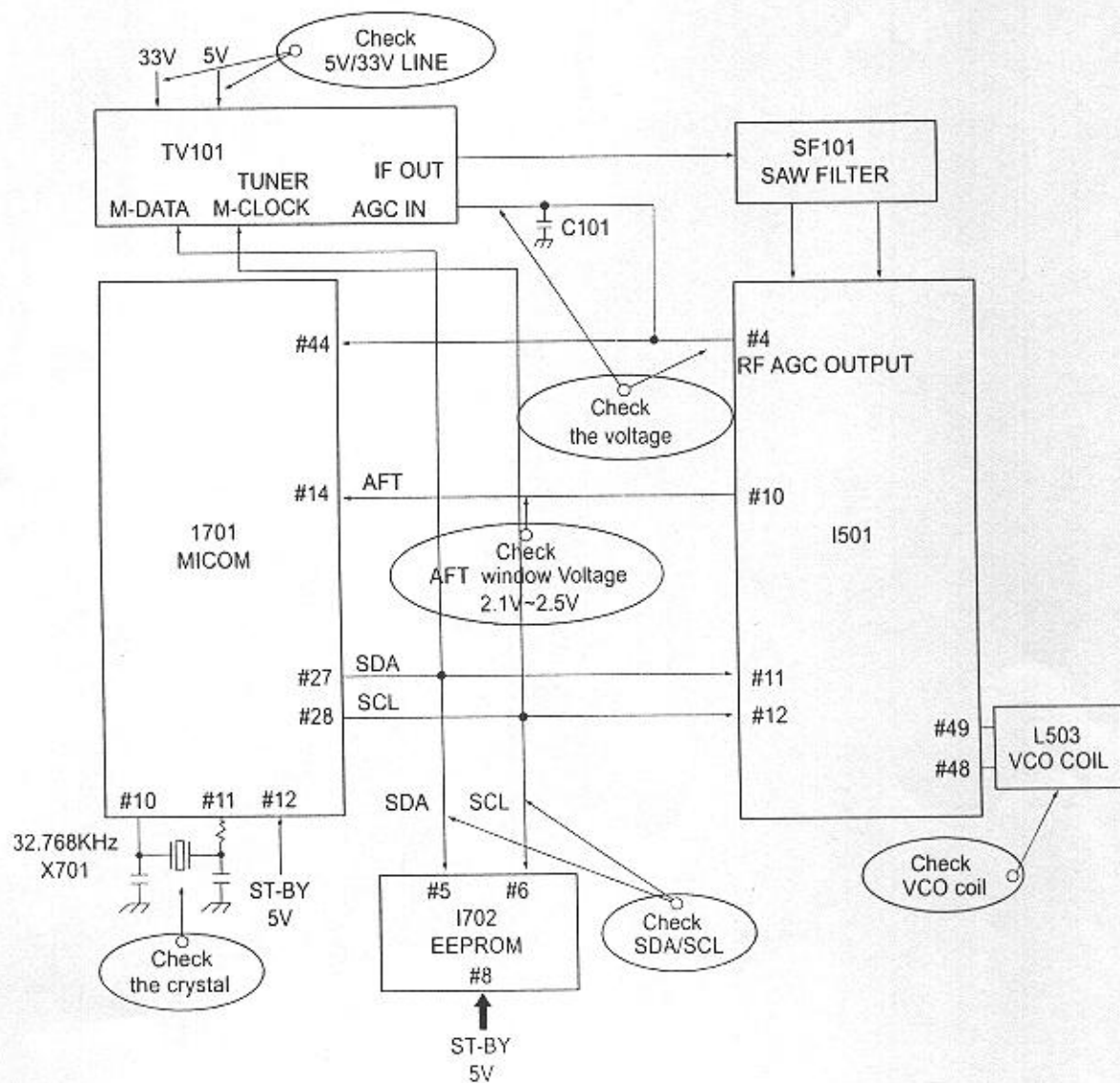


6-4 CHANNEL DON'T STOP

Check the input signal conditions

NG : Loss of signal or weak signal

OK : GO the figure ⑧





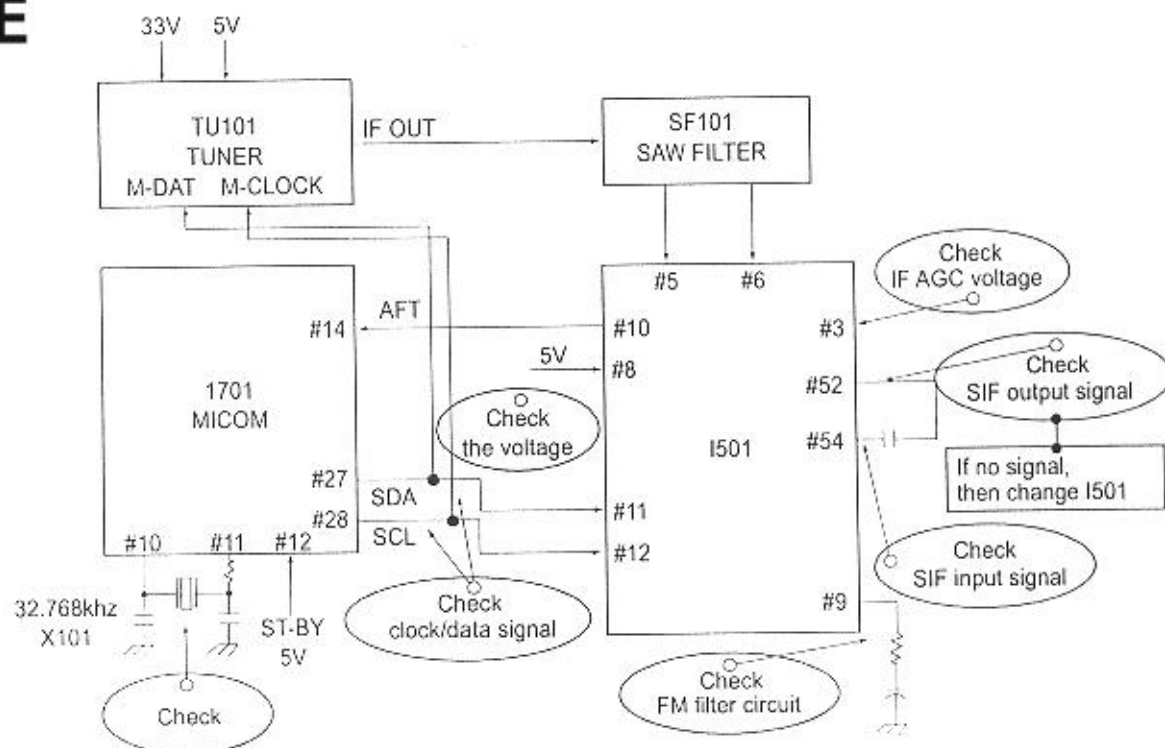
6-3 NO SOUND

Check audio output signal of I201 #1

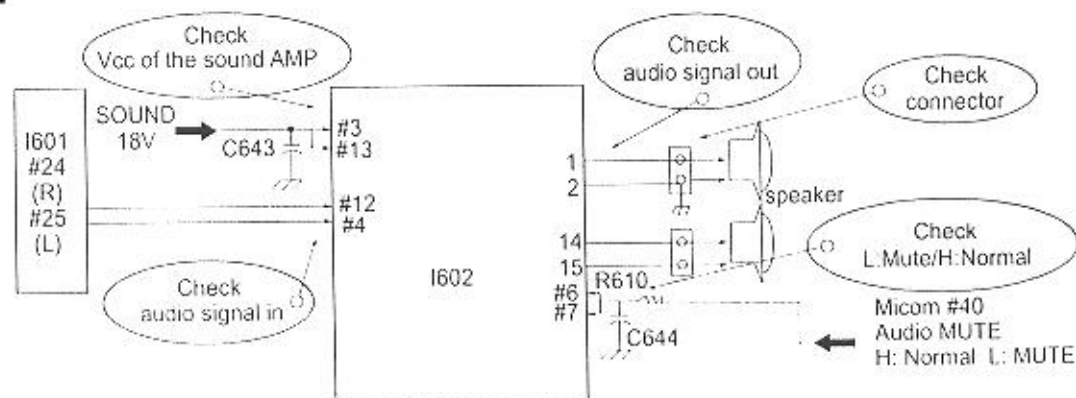
NG : GO to the figure ⑤

OK : GO the figure ①

E



F





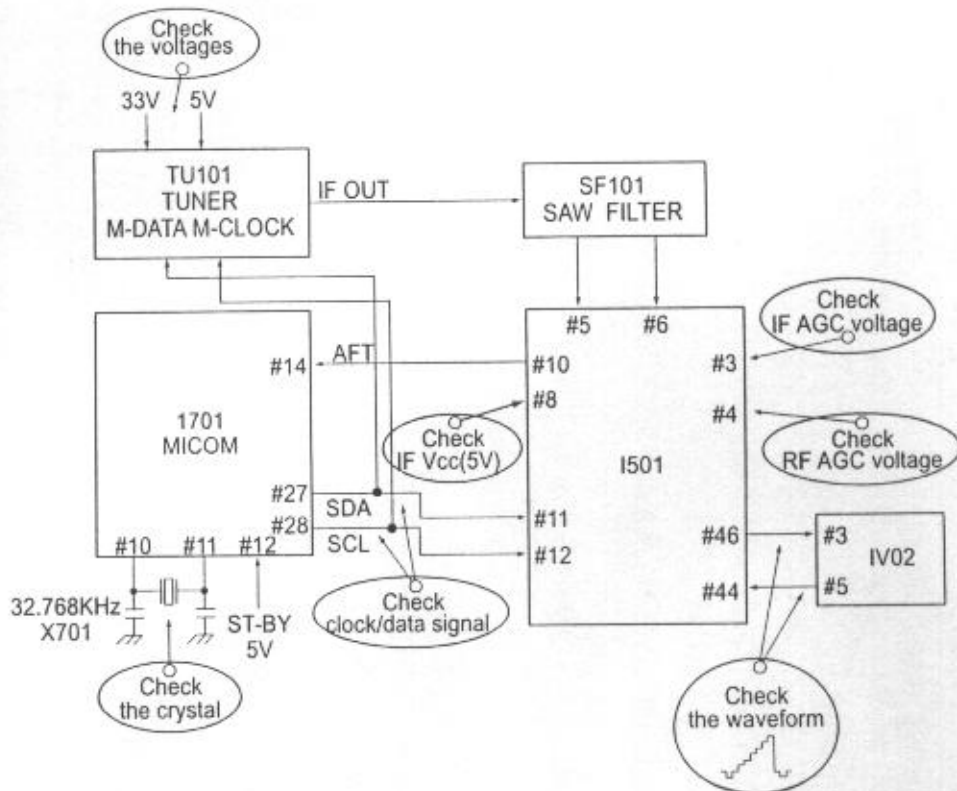
6-2 NO PICTURE

Check the waveform of I201 #46

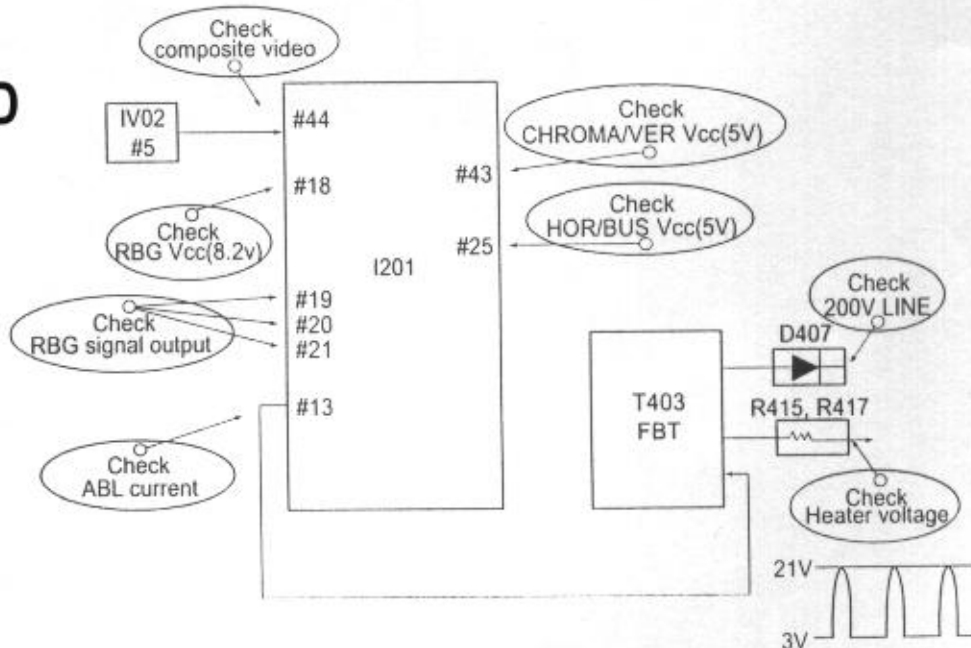
NG : GO to the figure ③

OK : GO the figure ④

C

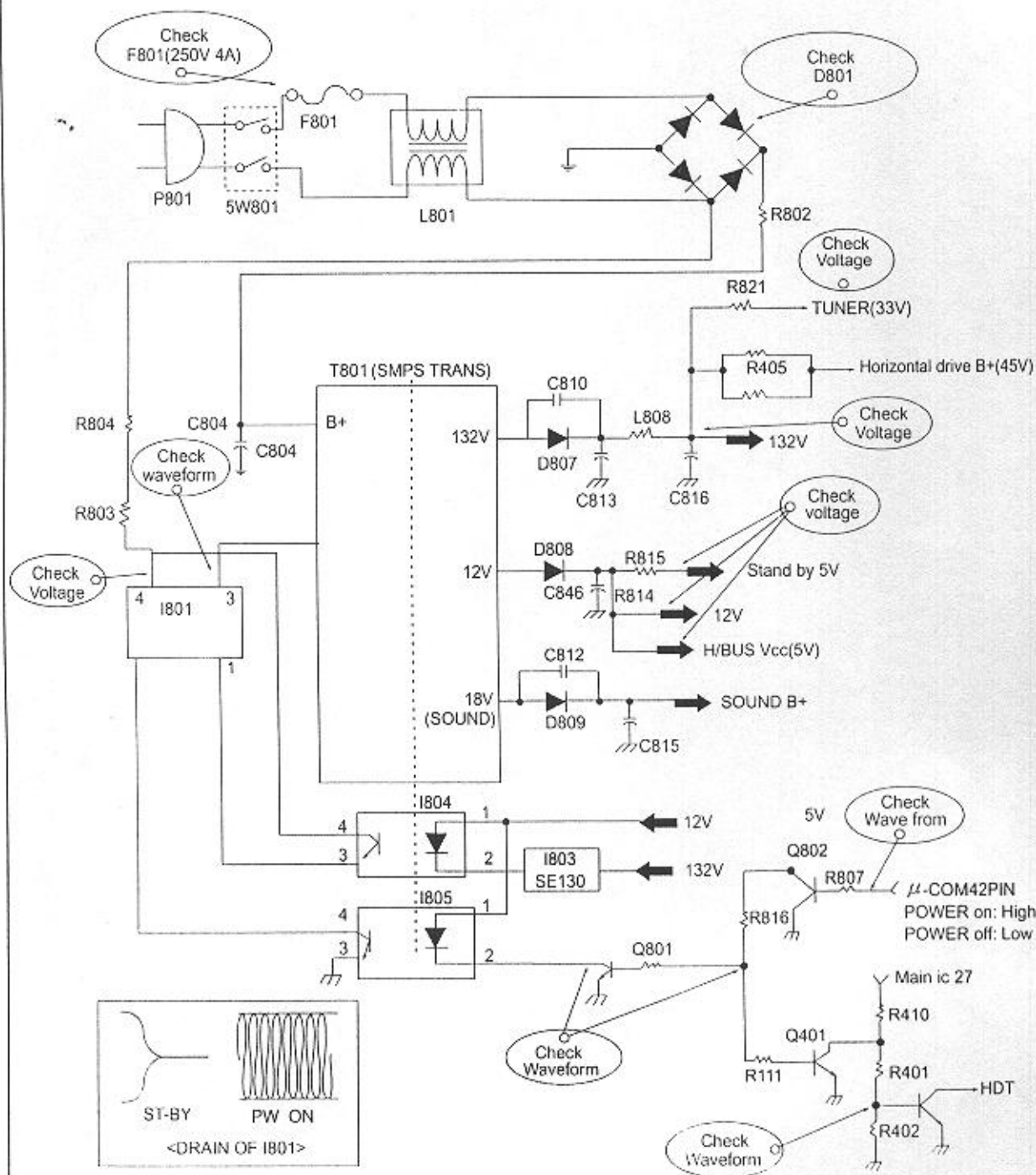


D



6. in out of order.

6-1 NO POWER





3. Trouble Shooting

No picture(screen not lit), no sound

- ⊕ Make sure the power cord is connected securely.
- ⊕ Operate with the buttons on the TV.
- ⊕ Insert the batteries in the remote commander with the correct polarity.
- ⊕ Replace the batteries with new ones if they are weak.
- ⊕ Check to see if the TV/VIDEO scilting is correct : when watching TV, set to TV, and when watching video tapes, set to VIDEO.
- ⊕ Try another channel. It could be station trouble.
- ⊕ Perform SET UP again

Poor or no picture (screen lit), good sound

- ⊕ Adjust BRIGHTNESS in the PICTURE of menu function.
- ⊕ Check antenna/cable connections. → Perform SET UP again.
- ⊕ Remove objects from the front of TV.

Good picture, no sound

- ⊕ Press MUTE so that "MUTE" disapperars from the screen.
- ⊕ Perform SET UP again

No color

- ⊕ Adjust the COLOR in the PICTURE of menu function
- ⊕ Perform SET UP again

Only snow and noise appear on the screen

- ⊕ Check the CABLE setting in the PRESET of menu function
- ⊕ Check the antenna/cable connections.
- ⊕ Make sure the channel is broadcasting programs.

Dotted lines or stripes

- ⊕ Adjust the antenna.
- ⊕ Move the TV away from noise sources such as cars, neon signs, and hair-dryers.

Double image or ghosts

- ⊕ Use a highly directional outdoor antenna or a cable (when the problem is caused by reflections from nearly mountains or tall buildings).

Remote commander does not operate

- ⊕ Batteries could be weak, Replace the batteries.
- ⊕ Make sure the TV's power cord is connected securely to the wall outlet.
- ⊕ Are fluorescent lights too close to TV?
Move them at least 3-4 feet away from the TV.

The TV needs to be cleaned

- ⊕ Clean the TV with a soft dry cloth. Never use strong solvents such as thinner or benzene, which might damage the finish of the cabinet



5-4 WHITE BALANCE ADJUSTMENT(F3)

- Receive a black and white pattern or white balance adjusting pattern.
- Before attempting white balance adjustment, the receiver should be operate for at least 15 minutes.
- Check the all of position to the reference value(nominal center)
- The reference color of the measurement equipment set to G.
- Adjust the R DC, G DC, B DC at bias mode.
- Adjust the R DRV, B DRV at drive mode.

5-5 SUB BRIGHT ADJUSTMENT

5-5-1 METHOD 1

- Receive the RETMA PATTERN
- Select the NORMAL mode in the fuzzy.
- Select the SUB BRIGHT mode by pressing CH UP/DOWN key in FACTORY1 mode.
- Adjust the SUB BRIGHT value before disappeared black 20% level by pressing VOL UP/DOWN key.

5-5-2 METHOD 2

- Change Mode to VIDEO NO SIGNAL
- Select the NORMAL mode in the fuzzy key.
- Select the SUB BRIGHT mode by pressing CH UP/DOWN key in FACTORY 1 mode.
- Adjust the SUB BRIGHT value till disappeared to back screen by pressing VOL UP/DOWN

5-6 AGC ADJUSTMENT (F1 key)

- Receive the RF color bar signal.
- Strength of input signal control 60dBu-63dBu.
- Measure the AGC voltage with scope at tuner AGC pin.
- Select the AGC point less tuner AGC voltage.
- Select the AGC AUTO mode, and then press the vol up/down key
- AGC is arranged automatically about 4-10 step.
- Confirmation of the strong signal.

5-7 USER RESET

- It be cleared all user to initial for all output sets will be same user control condition.
- It need after final inspection.



5. THE METHOD OF ADJUSTMENT FOR CHASSIS

5-1 HEAT RUN(AUTO ON MODE):F4

- It need in assembly line during heat run that protect to auto power off after no signal 15 minutes and auto power on for input power of sets on/off by line condition which sometimes line power connection of palette with main power line would be badly contacted by shaking during the sets through on assembly lines.
- Heat run functions is operated by pressing the F4 key.
- To cancel this function press the F4 key one more or power on/off.
- It must be canceled before final output.

5-2 V-SIZE/ V -CENTER/ H-CENTER (F2)

5-2-1 V-SIZE ADJUSTMENT

- Select the V-SIZE by pressing CH UP/DOWN key
- Adujst the V-SIZE by pressing VOL UP/DOWN key for approximately one-half inch over scan at top and bottom of picture screen.

5-2-2 V-CENTER ADJUSTMENT

- Select the V-CENTER by pressing CH UP/DOWN key.
- Adjust V-CENTER so that the vertical center of the picture may be coincident with the mechanical center of CRT.

5-2-3 H-CENTER ADJUSTMENT

- Select the H-CENTER by pressing CH UP/DOWN key.
- Adjust the H-CENTER by pressing VOL UP/DOWN key to be agreed with screen center and mechanical center.

5-2-4 V-LIN ADJUSTMENT.

- Adjust V-LIN by pressing VOL UP/Down key.

5-3 SCREEN ADJUSTMENT(F3)

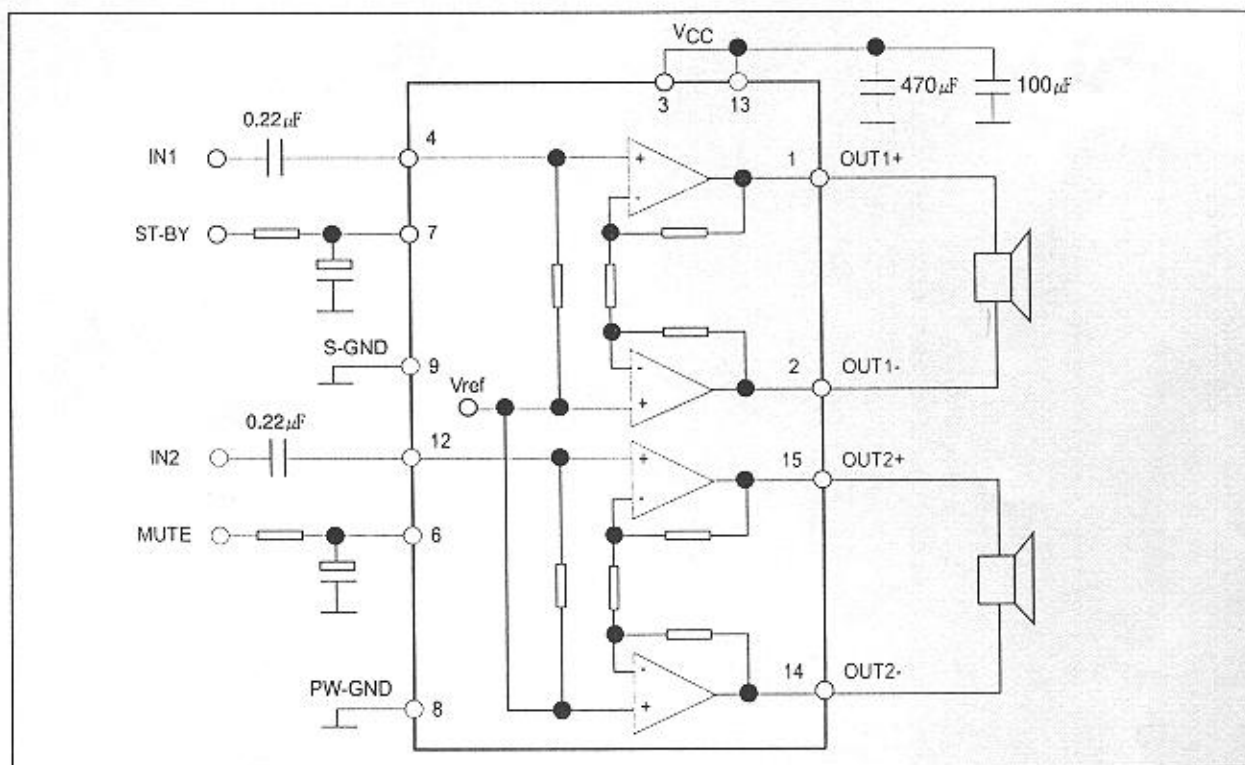
- Receive the video no signal.
- Select the SERVICE mode by pressing CH UP/DOWN key.
- Make the horizontal line by pressing VOL UP/DOWN key.
- Adjust the SCREEN, till horizontal line is just disappeared.



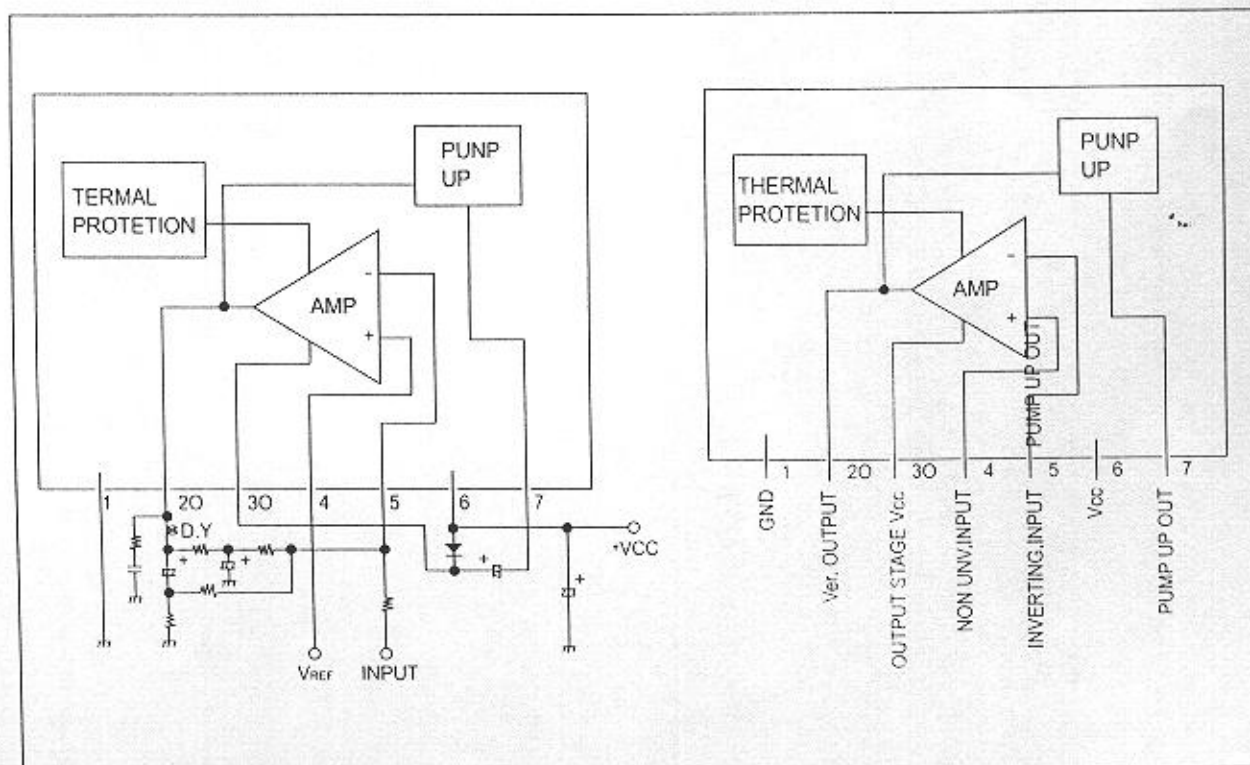
ITEM			SPECIFICATION		REMARK
2. ELECT-RICAL	(12) DISPLAY	1) TYPE	CATHODE RAY TUBE		
		2) SIZE	29inch		
		3) PART NO.	A68KVL74 X 01		
	(13) AUDIO	1) OUTPUT POWER	10+10 WATTS(2WAY 2SPEAKERS)		
		2) SPEAKER	8OHM 10W(2EA)		
3. USER CONTR-OL & ACCES-SORIES	1. CONTROL	1) SET	- MENU (PICTURE, PRESET, TIMER, FUNCTION, SOUND)		
			- CH UP		
			- CH DOWN		
			- VOL UP		
			- VOL DOWN		
			- POWER		
		2) REMOTE CONTROLLER	POWER	0 - 9	
			TV/AV	MUTE	
	CH UP		SLEEP		
	CH DOWN		FUZZY		
	VOL. UP		MEMORY		
	VOL. DOWN		100		
	MENU		QUICK VIEW		
	2. ACCESSORIES	SOUND	AUTO SCAN		
		PICTURE	DISPLAY		
4. SPECIAL NOTES					
- NO SIGNAL AUTO POWER OFF(AFTER 15 MINUTES)					
- WHITE BLANCE CONTROL SERVICE KEY (FOR FACTORY)					
- 3LANGUAGE(ENGLISH, SPANISH, PORTUGUESE)					
- FUZZY PICTURE CONTROL(NORMAL, CUSTOM, SOFT)					
- 24 HOURS PROGRAMMABLE ON/OFF FUNCTION					
- NO ADJUSTMENT FOR VCO					
5. OPTION					
- CAPTION					



7-3 SOUND AMP IC(IM601) : TDA7297A



7-4 VERTICAL IC(I301) : LA7845N



TV Color Modelo CDH-29GS2	
CODIGO	DESCRIPCION
5CU12HR09A	CONTROL REMOTO HWR09
5CU12HR14B	CONTROL REMOTO HITACHI
2357605-A	TRC29" C/YUGO RCA
4CT410R29G	TRC A68KTB259X009P08
4CW11JP173	CABLE DE ALIMENTACION
5CA1208101	PARLANTE 8 OHMS 10W
5CL810290D	BOBINA DESMAGNETIZADORA
5CL810290F	BOBINA DESMAGNETIZADORA
7C11279N01	TAPA TRASERA 29"
7C31179N01	TECLADO DE CONTROLES
6C11179E01	GABINETE
6C11179E06	GABINETE CDH-29GS2
6C11579E00	REJA PARLANTE
9C916HIB00	LOGO HITACHI
7C31279N01	BOTON DE ENCENDIDO
CPP3C752JD	CPOL 7500PF 1.6KV
CAI2G102PN	CAP.AC 1000PF 400V
CAN3E222PN	CCE 2200PF 400V
CFX2G471MW	CEL 470UF 400V
CDH1H689MN	CEL 6.8UF 50V
CLC2N104KN	C.FIL.LIN 0.1UF 275V
CMP2D474JD	CPOL 0.47UF 200V
CMP2G274JD	CPOL 0.27UF 400V
CPP3C102JD	CPOL 1000PF 1.6KV
CPP3C752JD	CPOL 7500PF 1.6KV
CPP3C822JD	CPOL 8200PF 1.6KV
CSS2C101MB	CEL 100UF 160V
CSS2E100MB	CEL 10UF 250V
CXB3D222KN	CCE 2200PF 2KV
CXE3D102PT	CCE 1000PF 2KV
DB3SBA60LN	PUENTE DIODOS G3SBA60L
DDRH4F---N	DIODO RECTIFICADOR RH4F
DDRU4AM--N	DIODO RECTIFICADOR RU4AM
DLRS503TLN	LED INDICADOR
DVSVR471DN	VARISTOR (Z801)
RP3R150JBN	FUSISTOR 0.15 OHMS 3W
RS210R0BJN	RMF 100 OHMS 2W
RW54701JA1	RCEM 4.7 OHMS 5W
UKA7809--N	C.I. KA7809 (IC201)
UKIA7805PI	C.I. KIA7805PI (IC802)
UKIA7809PI	C.I. KIA7809PI (IC201)
ULA7151--N	C.I. LA7151 (IV01-V02)
ULA76805-N	C.I. LA76805
ULC86V5S08	C.I. LC863232V-5S08 (IC701)

UMSP3440GN	C.I. MSP3440GN(DEC.EST.)(IC601)
UM24C04BNN	C.I. M24C04-BN6 (IC702)
UPC17K1--N	C.I. OPTO PC-17K1 (IC804/805)
USE130N--N	C.I. SE130 (IC803)
U24WC04P-N	C.I.MEMORIE EPROM 4K(IC702)
5CF11NF20D	SINTONIZADOR DT5-NF20D
5CF815241P	FILTRO SAW WFSTSF5241P
5CJ53YSC07	JACK A/V 3P
5CJ569501B	JACK A/V 6P
5CJ61SH09S	ZOCALO TRC
5CJ64J9504	CONECTOR S-VHS
5CL11V0080	BOBINA TRF-V008 (L503)
5CL31F29A1	FILTRO DE LINEA LF-29A1
5CL32HD120	TRANSFORMADOR DRV.HOR.(T401)
5CL34F9225	BOB. CHOQUE TRF-9225 (L101)
5CL35TL001	BOBINA ANCHO(L403)
5CL35TRL20	BOBINA LIN. (L402)
5CL37CP001	BOBINA PINC.
5CL4197016	FLY BACK (T403)
5CL61S49A1	TRANSFORMADOR SWITCHING (T801)
5CR5111801	POSISTOR ECPCC180M29
5CR525D151	TERMISTOR NTC (R802)
5CS1316001	INTERRUPTOR DE ENCENDIDO
5CU21713SY	RECEPTOR DE C/REMOTO
5CV113276N	CRISTAL 32.768KHZ
5NR3HZ6203	PRESET 20K(VR401/402)
5NS365A005	FUSIBLE 5A 250V
UKIA7805PI	C.I.KIA7805PI
T2SD1880-N	TRANSISTOR 2SD1880
TKTD2058-N	TRANSISTOR KTD2058
DDFMLG22-N	DIODO RECTIF. FML-G22
USTRF6656N	C.I. STR-F6656
UTDA7297-N	C.I. TDA7297
ULA7845N-N	C.I. LA7845N
UTDA6103QN	C.I. TDA6103Q
CSS2C109MT	CEL. 1UF 160V
CXB2H100DT	CCE 10PF 500V
CXB2H102KT	CCE 1000PF 500V
RX2R820JBZ	RMO 0.82 OHM 2W
RX21502JBZ	RMO 15 KOHMS 2W
TKSA733CYT	TRANSISTOR KSA733C-Y
TKSC2328AT	TRANSISTOR KSC2328AT
TKSC2330YT	TRANSISTOR KSC2330-Y
TKSC2330YT	TRANSISTOR KSC945C-Y
5CF32TP45T	FILTRO TRAMP.CER.4.5
5CL34940KT	BOBINA CHOQUE(L808)

5CR52D302J	TERMISTOR NTC PA-5D(R436)
5CV111843T	CRISTAL 18.432MHZ
5CV114433T	CRISTAL 4.433619MHZ
5NS11102AT	LLAVA TACTO
5CB1190203	PCB PRINCIPAL
DD1N4003-T	DIODO 1N4003
DD1N4148-T	DIODO 1N4148
DD1N4937-T	DIODO 1N4937
DD1N5399GT	DIODO 1N5399G
DZUZ-3.9BT	DIODO ZENER 3.9V
DZUZ-33B-T	DIODO ZENER 33V
DZUZ91BSCT	DIODO ZENER 9.1V
LA02100KBT	BOBINA AXIAL 10UHY(L501/601/2/3)
LA028R2KBT	BOBINA AXIAL 8.2UHY (L502)
RX22R00JBT	RMO 2 OHMS 2W
TC-29GS2M	MANUAL DE USUARIO

**HITACHI****LG Electronics Inc.****YAPAY CATAMARCA SA****Yapay Catamarca S.A.**
SERVICIO Y ASISTENCIA TÉCNICA

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☎ 4983-7437/8 4983-7722/7416 Fax:4983-9304

TELEVISOR COLOR MODELO CDH-29GS2

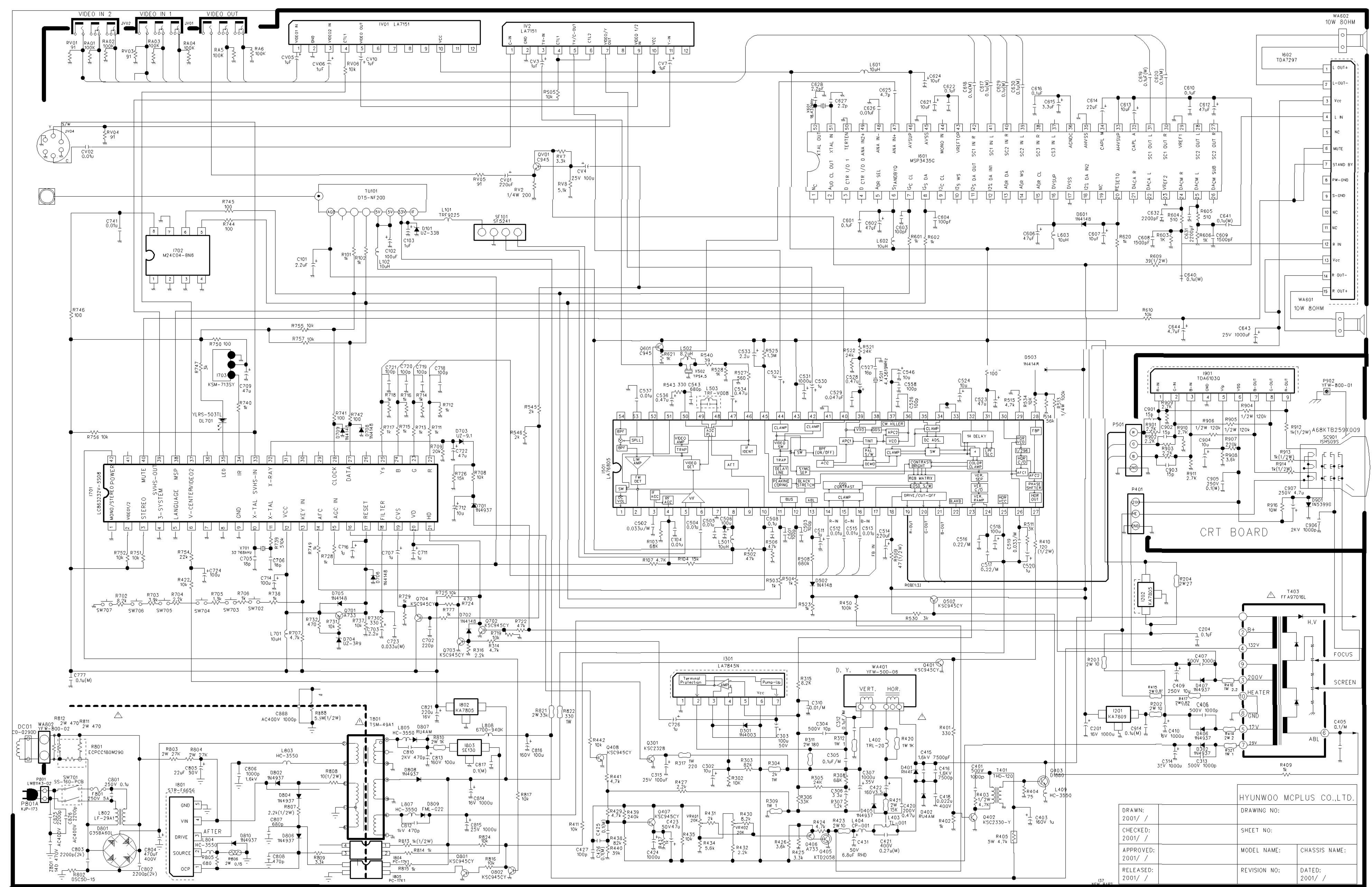
Advertencia importante

Les informo un punto importante a tener en cuenta durante cualquier intervención técnica sobre el nuevo chasis correspondiente al modelo CDH-29GS2.

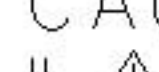
En este chasis hay dos resistores en las posiciones **R811 y R812 (470 Ohm 2W)** los cuales se encuentran en paralelo con la bobina desmagnetizadora. Por lo tanto cualquier prueba del equipo debe realizarse con la bobina conectada, o en su reemplazo puede conectarse una ficha con los terminales en corto. De esta forma se evita que los resistores se quemen por exceso de corriente.

Si estos resistores se dañan, se observará durante el funcionamiento del TV una delgada línea horizontal desplazándose en sentido vertical sobre la imagen.

Carlos Antonio Ferré
Asistencia Técnica
Yapay Catamarca



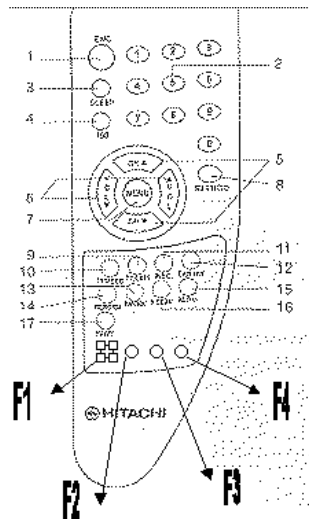
CAUTION

"" SYMBOL MARKED PARTS IN THE SCHEMATIC DIAGRAM DESIGNATE THE COMPONENTS WHICH HAVE SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY AND SHOULD BE REPLACED ONLY WITH TYPES IDENTICAL TO THOSE IN ORIGINAL CIRCUIT OR SPECIFIED IN THE PARTS LIST. DO NOT DEGRADE THE SAFETY OF THE RECEIVER THROUGH IMPROPER SERVICING

DRAWN: 2001/ /		DRAWING NO:	
CHECKED: 2001/ /		SHEET NO:	
APPROVED: 2001/ /		MODEL NAME:	CHASSIS NAME:
RELEASED: 2001/ /		REVISION NO:	DATED: 2001/ /

MODO SERVICE

- Se utiliza el mismo remoto del usuario hay 4 teclas ocultas debajo de la ultima línea de teclas)



Tecla	FUNCION
F1	AUTO AGC - AGC - AGC POINT- SUB BRIGHT-SUB COLOR SUB TINTE
F2	H CENTER - V SIZE - V CENTER - V LIN USER RESET - S VIDEO
F3	SCREEN - R B - G B - B B - R D - B D
F4	AUTO ON (TIENE QUE ESTAR SIEMPRE EN OFF , SÍ ESTA EN ON SE QUEDA EL TV SIN SONIDO)