

**SAMSUNG**

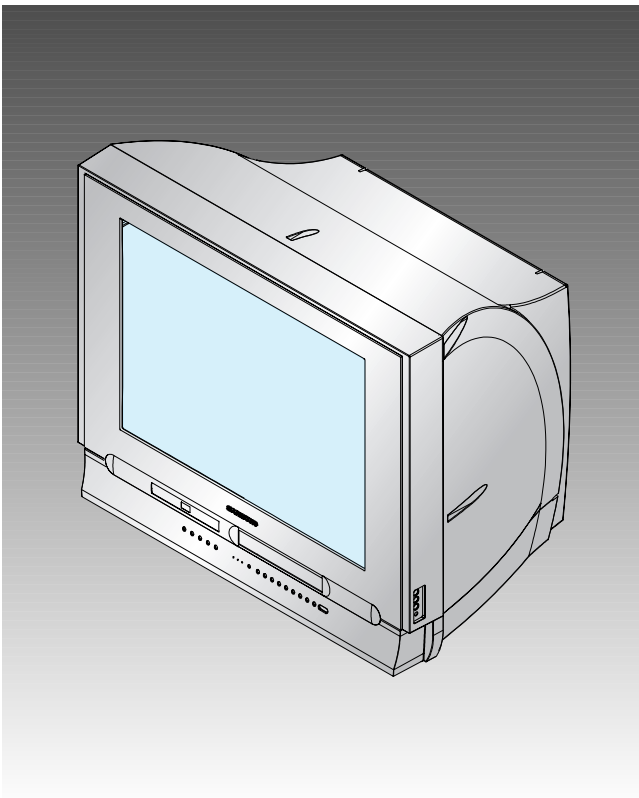
## **DVD Television**

**Chassis :** V18B

**Model:** TC29J6MNX/XAX

# ***SERVICE* Manual**

### **DVD Television Cassette Recorder**



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## 4. Alignment and Adjustments (Electrical)

### 4-1 Preadjustment

#### 4-1-1 Factory Mode

1. Do not attempt these adjustments in the Video Mode.
2. The Factory Mode adjustments are necessary when either the EEPROM (IC901) or the CRT is replaced.
3. Do not tamper with the “Adjustment” screen of the Factory Mode menu. This screen is intended only for factory use.

#### 4-1-3 When CRT Is Replaced

Make the following adjustments after setting up purity and convergence:

White Balance  
Sub-Brightness  
Vertical Center  
Vertical Size  
Horizontal Size

#### 4-1-2 When EEPROM (IC901) Is Replaced

1. When IC901 is replaced all adjustment data revert to initial values. It is necessary to re-program this data.
2. After IC901 is replaced, warm up the TV for 10 seconds.

## 4-2 Factory (“Service”) Mode

### 4-2-1 Procedure for the “Adjustment” Mode

1. This mode uses the standard remote control. The Service Mode is activated by: (1) pressing the “FACTORY” service key on the local-keyboard, or (2) by entering the following remote-control sequence (within 2 seconds):  
  
STAND-BY → MUTE → 1 → 8 → 2 → POWER ON
2. The “SERVICE (FACTORY)” message will be displayed. The Service Mode has three components: Adjustment, Option Bytes and Reset.
3. Access the Adjustment Mode by pressing the “SELECT” keys (◀ ▶). The adjustment parameters are listed in the accompanying table, and selected by pressing the “SELECT” keys (s,t).
4. Selection sequences for the NTSC systems:  
  
down or up key:  
  
CAP>SBT>SCT>SCR>STT>BLR>BLG>RG>GG>BG>PWL>SC>VSL>VA>NVS>NHS>EW1>EWP>EWUC>EWLC>VSC>HP>HB>TC>EW2>CDL>BKS>NDL>WS>VM>AKB>CB>BPS>SCL>SVM>SCBT
5. The “SELECT” keys (s,t) increase or decrease the adjustment values, (stored in the non-volatile memory) when Adjustment Mode is cancelled.

## 4-2-2 Adjust

OSD	Initial	Adjust	Range	Function	OSD	Initial	Adjust	Range	Function
CAP	10	Fix		CAPTION Position	NHS	32		0-63	Horizon Shift
SBT	8		0-23	Sub Brigh	EW1	40		0-63	EW
SCT	16		0-23	Sub Contrast	EWP	32		0-63	EW (Panorama)
SCR	3	Fix	0-13	Sub Color	EWUC	18		0-63	Upper Corner
STT	9	Fix	0-13	Sub Tint	EWLC	18		0-63	Lower Corner
BLR	32		0-63	Low Light R	VSC	32	Fix	0-63	Vertical scroll
BLG	32		0-63	Low Light G	HP	34		0-63	H-Parallelogram
RG	32		0-63	High Light R	HB	32		0-63	Horizontal Bow
GG	32		0-63	High Light G	TC	26		0-63	EW Trapezium
BG	32		0-63	High Light B	EW2	32	Fix	0-63	Panorama EW(Non Vse)
PWL	12	Fix	0-15	Peak white level	CDL	12	Fix	0-15	Cathode Drive Level
SC	18	Fix	0-63	S-Correction	BKS	1	Fix	0-1	Black Stretcher
VSL	32		0-63	Vertical Slope	NDL	5	Fix	0-15	NTSC Delay
VA	18		0-63	Vertical Amplitude	WS	3	Fix	0-3	White Stretch
NVS	32		0-63	Vertical shift	VM	3	Fix	0-3	Amplitude of Scan Velocity
AKB	0	Fix	0-1	AKB on/off (FS Check)	SCL	2	Fix	0-3	Soft Clipping Level
CB	0	Fix	0-1	Chroma Bandpass	SVM	2	Fix	0-3	SVM Out & RGB Out Delay
BPS	1	Fix	0-1	Bypass Delay Lune	SCBT	45	Fix	0-63	Screen Adj Bright Level

## 4-2-3 AGING Mode(Reference Only)

This pattern is used for pre-heating the CRT during manufacturing-it is accessed in the factory by twice pressing the “FACTORY” key.

Even if the TV power is cut off, the Aging Mode is not cancelled.

The “AGING” marking is displayed on the screen.

The AGING mode is cancelled by epressing the “FACTORY” key.

#### 4-2-4 Option

NO	OSD	Adjust	Range
1	VIDEO MUTE	2 (X100mS)	off/x1/x2/x3...
2	ZOOM	NOR/ZOOM/16:9	NORMAL,NOR/ZOOM,NOR/ZOOM/16:9
3	AUTO POWER	ON	ON/OFF
4	AUDIO MUTE	ON	ON/OFF
5	LANGUAGE	English	English/Espanol/Franch
6	2H comb	ON	(21"/29" option)
7	BLUE SCREEN	ON	ON/OFF
8	V-CHIP	ON	ON/OFF
9	ANTENNA	IRC	IRC/AFN
10	S-VIDEO	OFF	ON/OFF
11	VCR HEAD	HIFI	HIFI/4HD/2HD

#### 4-2-5 Reset

The Reset Mode is used during factorying inspection

Function Reset : After Factorying Reset, the following items items revert to their initial values.

- |               |        |
|---------------|--------|
| 1. Volume     | 10     |
| 2. Channel    | ANT 3  |
| 3. P- STD     | MEMORY |
| 4. Auto Power | ON     |
| 5. NR         | OFF    |

Caution : When the EEPROM is replaced ; all items revert to their initial values.

#### 4-2-6 VCR Test Mode (Reference Only)

The VCR Test Mode is used during factorying inspection or when exchange VCR deck.

\* Entering : STBY Mode -> factory key -> Power key (light up all LED)

Function : "9" -> Head Switch Auto Adjustment.

"5" -> Env Center point Auto Adjustment.

"TRK + " -> Env max point Adjustment.

"TRK - " -> Env min point Adjustment.

\* Cancellation : pull out power cord.

## 4-3 Other Adjustments

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### 4-3-1 General

1. Usually, a color TV needs only slight touch-up adjustment upon installation. Check the basic characteristics such as height, horizontal and vertical sync and focus.
2. The picture should have good black and white details. There should be no objectionable color shading; if color shading is present, perform the purity and convergence adjustments described below.
3. Use the specified test equipment or its equivalent.
4. Correct impedance matching is essential.
5. Avoid overload. Excessive signal from a sweep generator might overload the front-end of the TV. When inserting signal markers, do not allow the marker generator to distort test results.
6. Connect the TV only to an AC power source with voltage and frequency as specified on the backcover nameplate.
7. Do not attempt to connect or disconnect any wires while the TV is turned on. Make sure that the power cord is disconnected before replacing any parts.
8. To protect against shock hazard, use an isolation transformer.

### 4-3-2 Automatic Degaussing

A degaussing coil is mounted around the picture tube, so that external degaussing after moving the TV should be unnecessary. But the receiver must be properly degaussed upon installation.

The degaussing coil operates for about 1 second after the power is switched ON. If the set has been moved or turned in a different direction, disconnect its AC power for at least 10 minutes.

If the chassis or parts of the cabinet become magnetized, poor color purity will result. If this happens, use an external degaussing coil. Slowly move the degaussing coil around the faceplate of the picture tube and the sides and front of the receiver. Slowly withdraw the coil to a distance of about 6 feet before removing power.

### 4-3-3 High Voltage Check

**CAUTION:** There is no high voltage adjustment on this chassis. The B+ power supply must be set to +130 volts (Full color bar input and normal picture level).

1. Connect a digital voltmeter to the second anode of the picture tube.
2. Turn on the TV. Set the Brightness and Contrast controls to minimum (zero beam current).
3. The high voltage should not exceed 30KV.
4. Adjust the Brightness and contrast controls to both extremes. Ensure that the high voltage does not exceed 30KV under any conditions.

#### **4-3-4 FOCUS Adjustment**

1. Input a CROSS hatch signal.
2. Adjust the tuning Focus VR for the clearest picture.
3. Adjust the FOCUS control for well defined scanning lines in the center area of the screen.

#### **4-3-5 Screen Adjustment**

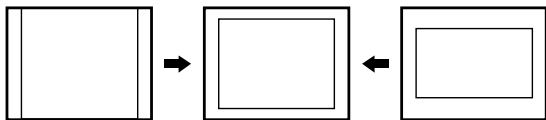
1. Turn to the White Signal.
2. Adjust the VR screen for a normal picture is (no blooming or flyback line).  
Input the Factory -> G2-Adjust choice -> Screen VR tuning OK Mode

#### **4-3-6 Purity Adjustment**

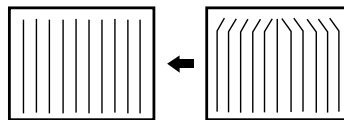
1. Warm up the receiver for at least 20 minutes.
2. Plug in the CRT deflection yoke and tighten the clamp screw.
3. Plug the convergence yoke into the CRT and set in as shown in Fig. 5-1.
4. Input a black and white signal.
5. Fully demagnetize the receive by applying an external degaussing coil.
6. Turn the CONTRAST and BRIGHTNESS controls to maximum.
7. Loosen the clamp screw holding the yoke. Slide the yoke backward or forward to provide vertical green belt. (Fig. 5-2).
8. Tighten the convergence yoke.
9. Slowly move the deflection yoke forward, and adjust for the best overall green screen.
10. Temporarily tighten the deflection yoke.
11. Produce blue and red rasters by adjusting the low-light controls. Check for good purity in each field.
12. Tighten the deflection yoke.

### 4-3-7 I<sup>2</sup>C BUS GEOMETRIC Adjust

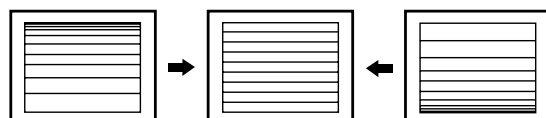
1. V SIZE(VA)



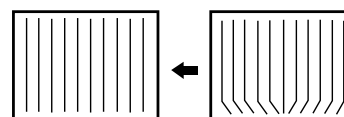
2. UP CPIN (EWUC) : 29" Only



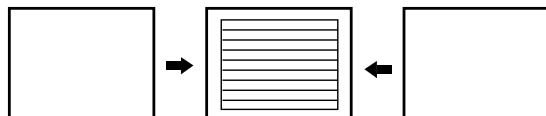
3. V LINEARITY (VSL)



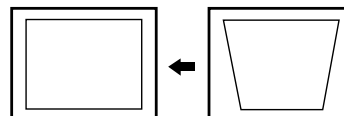
4. LO CPIN (EWLC) : 29" Only



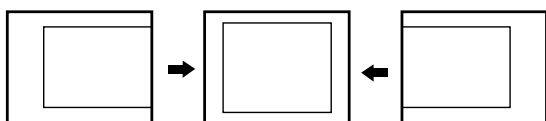
5. V S CORRECTION (SC)



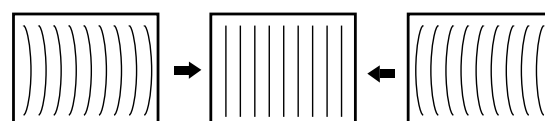
6. TILT (TC)



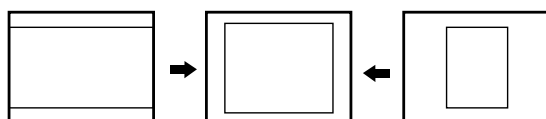
7. H POSITION (NHS)



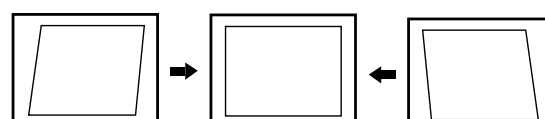
8. AFC BOW (HB)



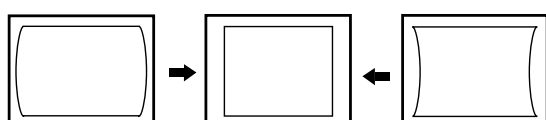
9. H SIZE(EWI)



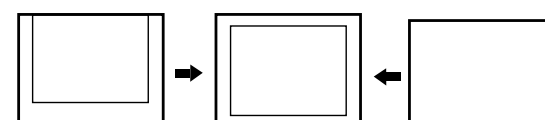
10. AFC ANGLE (HP)



11. PIN COMP (EWP)



12. V POSITION (NVS)





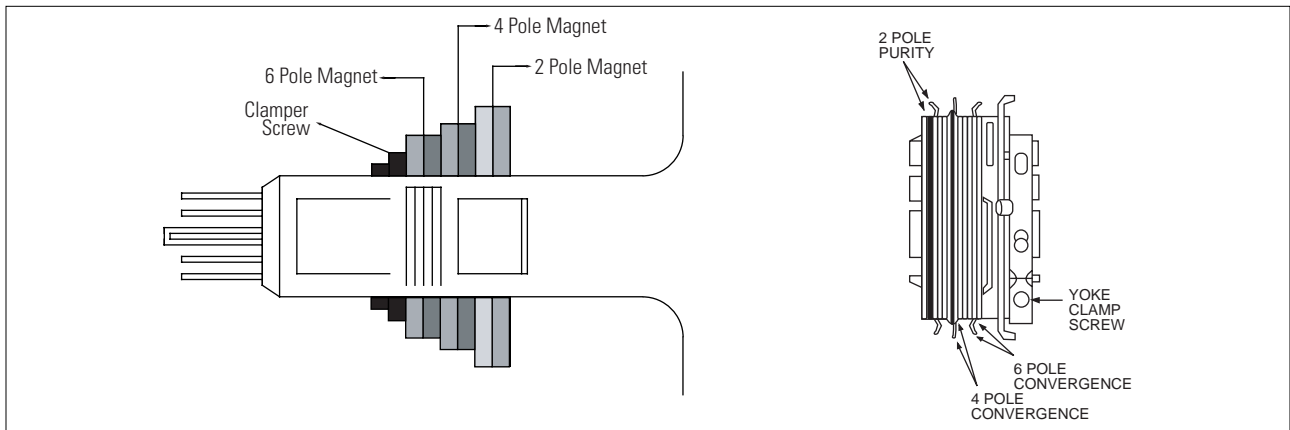


Fig. 5-1 Convergence Magnet Assembly

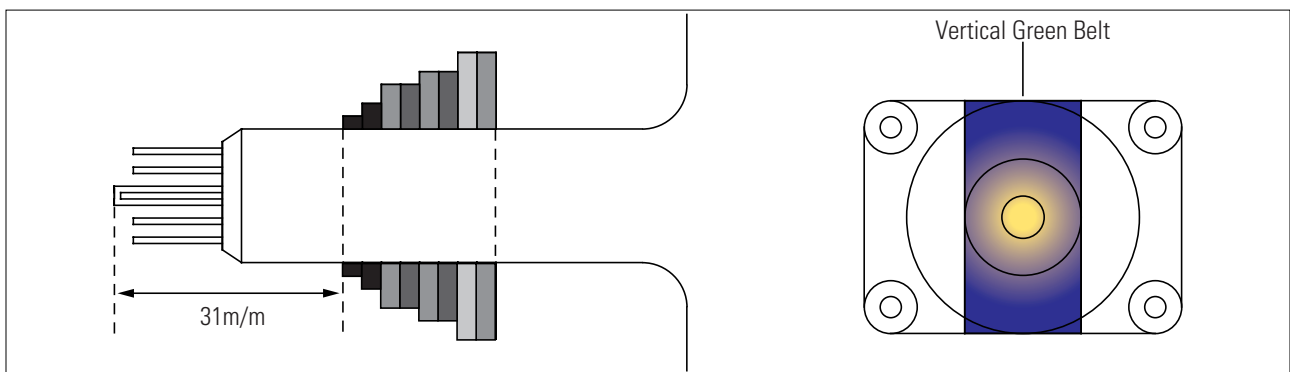


Fig. 5-2 Center Convergence Adjustment

### 4-3-8 White Balance Adjustment

#### 4-4-7 (A) HIGH-LIGHT ADJUSTMENT

1. Input either a Lion Head or a “pure white” pattern.
2. Warm up the TV for 30 minutes.
3. Check the data in the Service Mode
4. Adjust RG, BG in the Factory Mode.

#### 4-4-7 (B) LOW-LIGHT ADJUSTMENT

1. Automatically accomplished during the high-light adjustment.

### 4-3-8 Center Convergence Adjustment

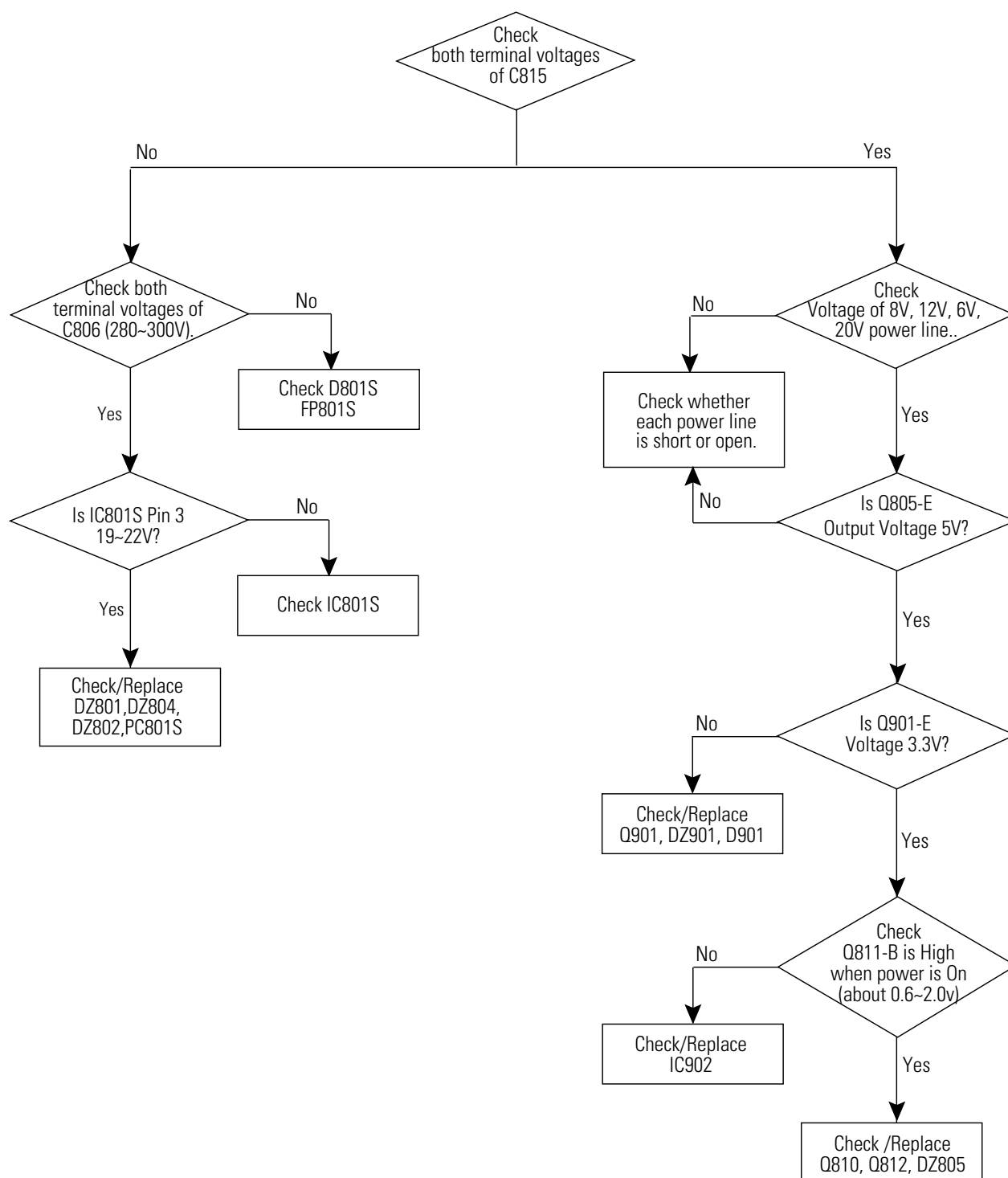
1. Warm up the receiver for at least 20 minutes.
2. Adjust the two tabs of the 4 pole magnets to change the angle between them. Superimpose the red and blue vertical lines in the center area of the screen.
3. Adjust the Brightness and Contrast controls for a well defined picture.
4. Adjust the two-tab pairs of the 4 pole magnets, and change the angle between them. Superimpose the red and the blue vertical lines in the center area of the screen.
5. Turn the both tabs at the same time, keeping the angle constant, and superimpose the red and blue horizontal line in the center of the screen.
6. Adjust the two-tab pairs of the 6-pole magnets to superimpose the red and blue line onto the green. (Changing the angle affects the vertical lines, and rotating both magnets affects the horizontal lines.)
7. Repeat adjustments 2~6, if necessary.
8. Since the 4-pole magnets and 6-pole magnets interact, the dot movement is complex (Fig. 5-3).



Fig 5-3 Center Convergence Adjustment

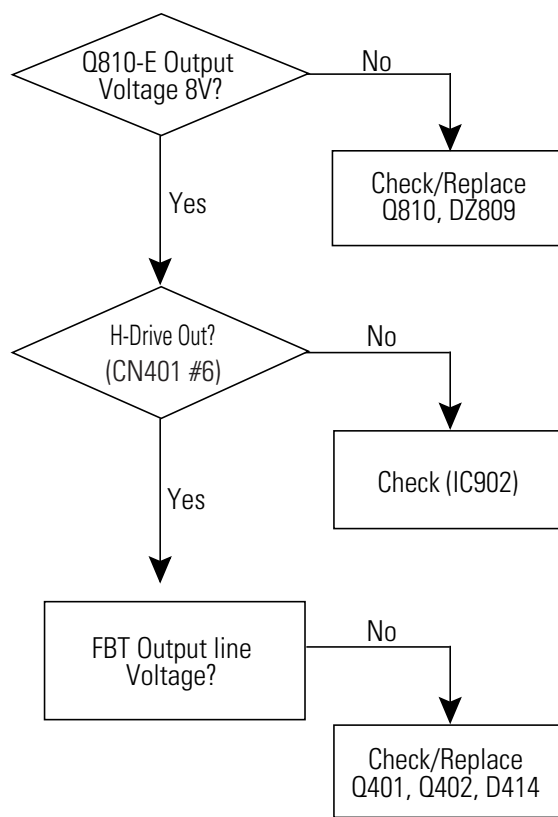
# 5. Troubleshooting

## 5-1 No Power (No Picture on)



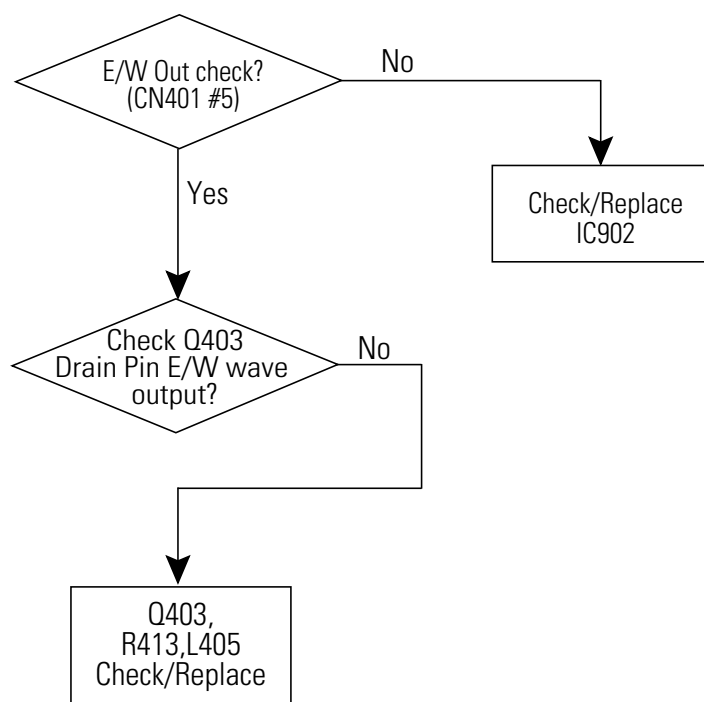
## 5-2 No Power (No Picture)

---



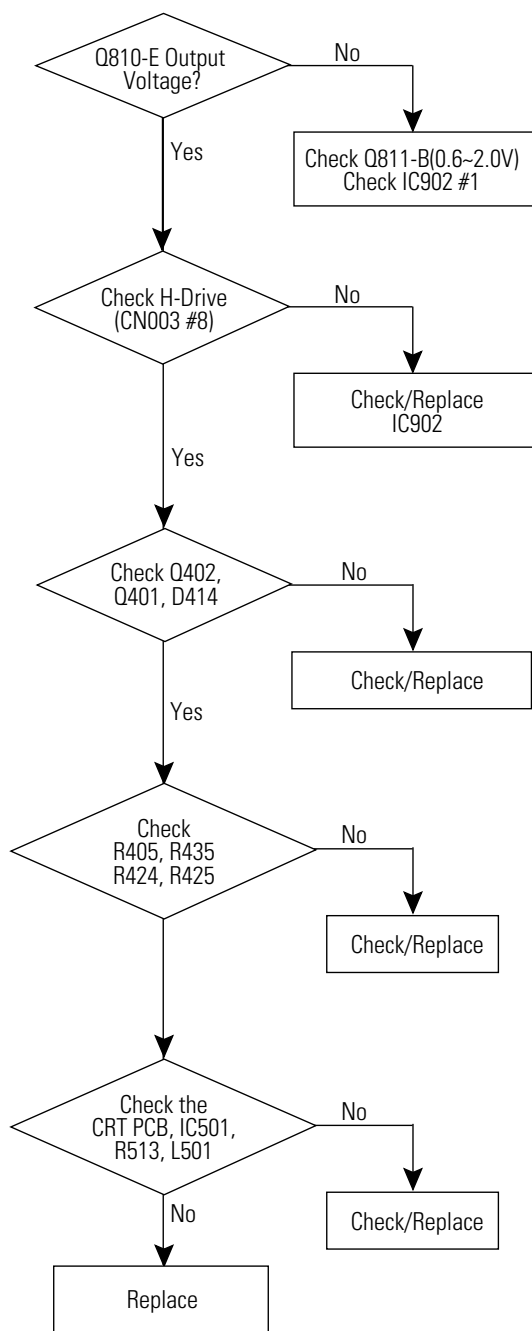
## 5-3 E/W Correction Not

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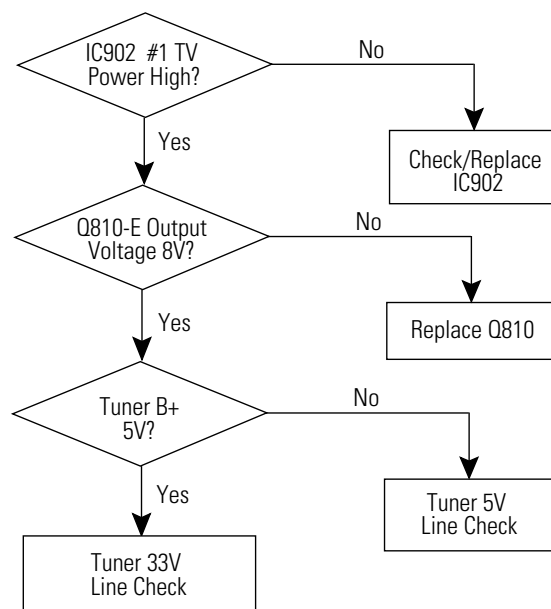


## 5-4 No Raster / No RF Signal

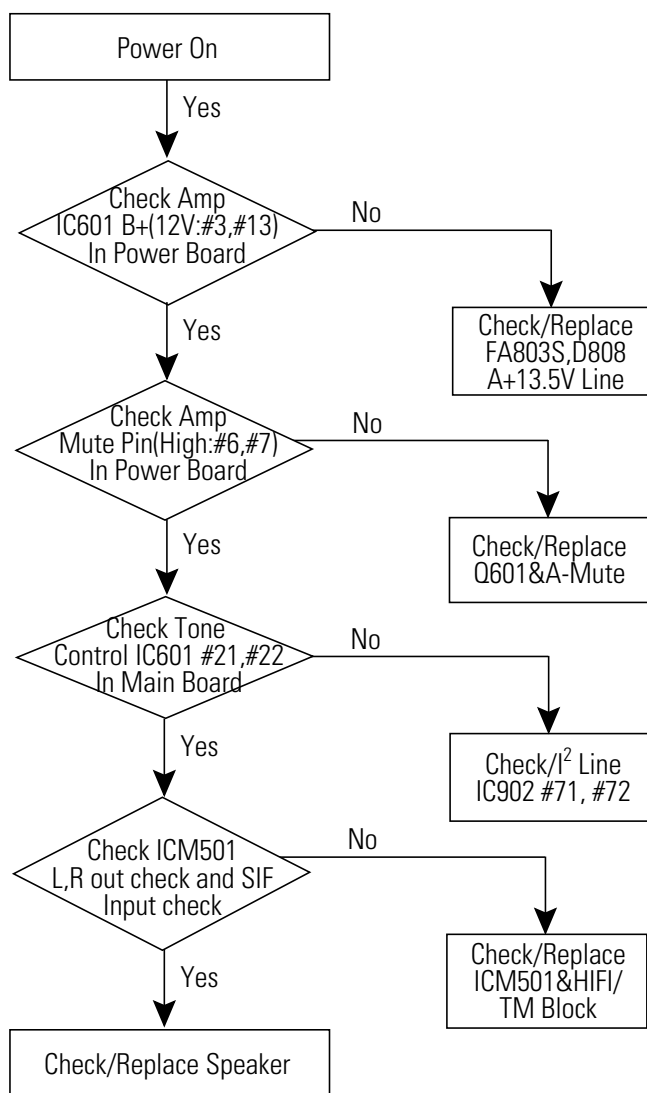
\* No Raster



\* No signal

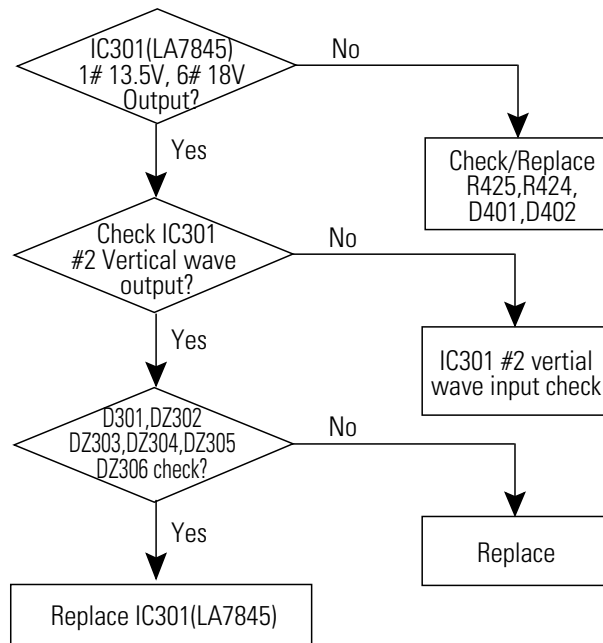


## 5-5 No Sound



## 5-6 Horizotal Line

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## 5-7 No Picture (Sound OK)

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1. Check the Brightness, Contrast and Color adjustments
2. Check: AV Picture
3. See Signal Block Diagram

## 5-8 No Sound (Picture OK)

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1. Check the Volume adjustment level.
2. Check AV Video
3. See Signal Block Diagram

## **5-9 RF Weak Signal (Playback, AV Mode OK)**

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1. Check Tuner (TU01S) B+. Check: 8V  
33V (DZ201). Check 5V

## **5-10 No Vertical SCAN**

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1. Check R425, D401
2. Check IC301, #2
3. Check Chroma module Vertical-out Line
4. Check DY Connector

## **5-11 Horizontal Size**

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1. Check C411, R421, Q403, R405

## **5-12 On-Screen Display Missing**

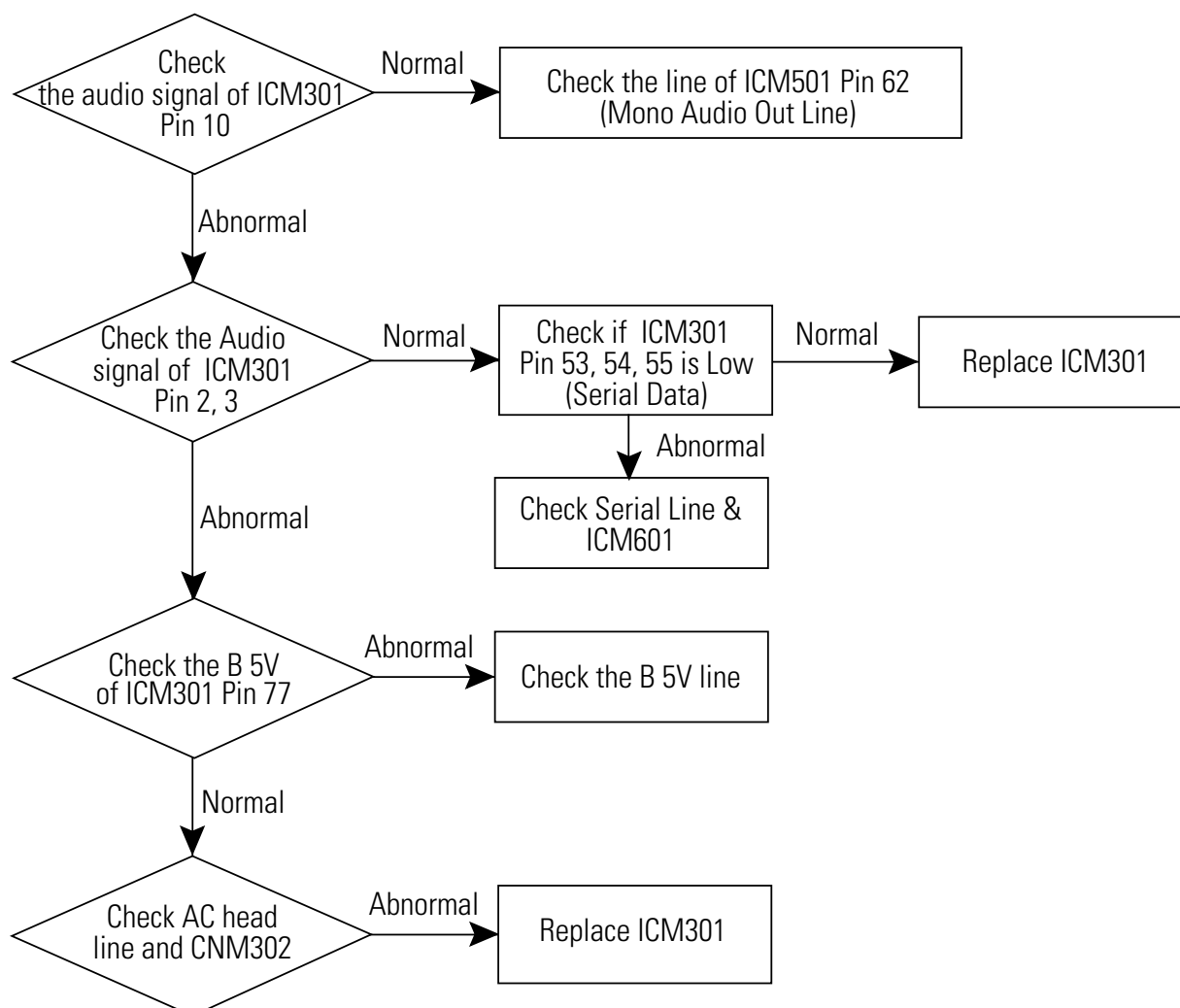
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1. Check IC902 #56, #57, #58

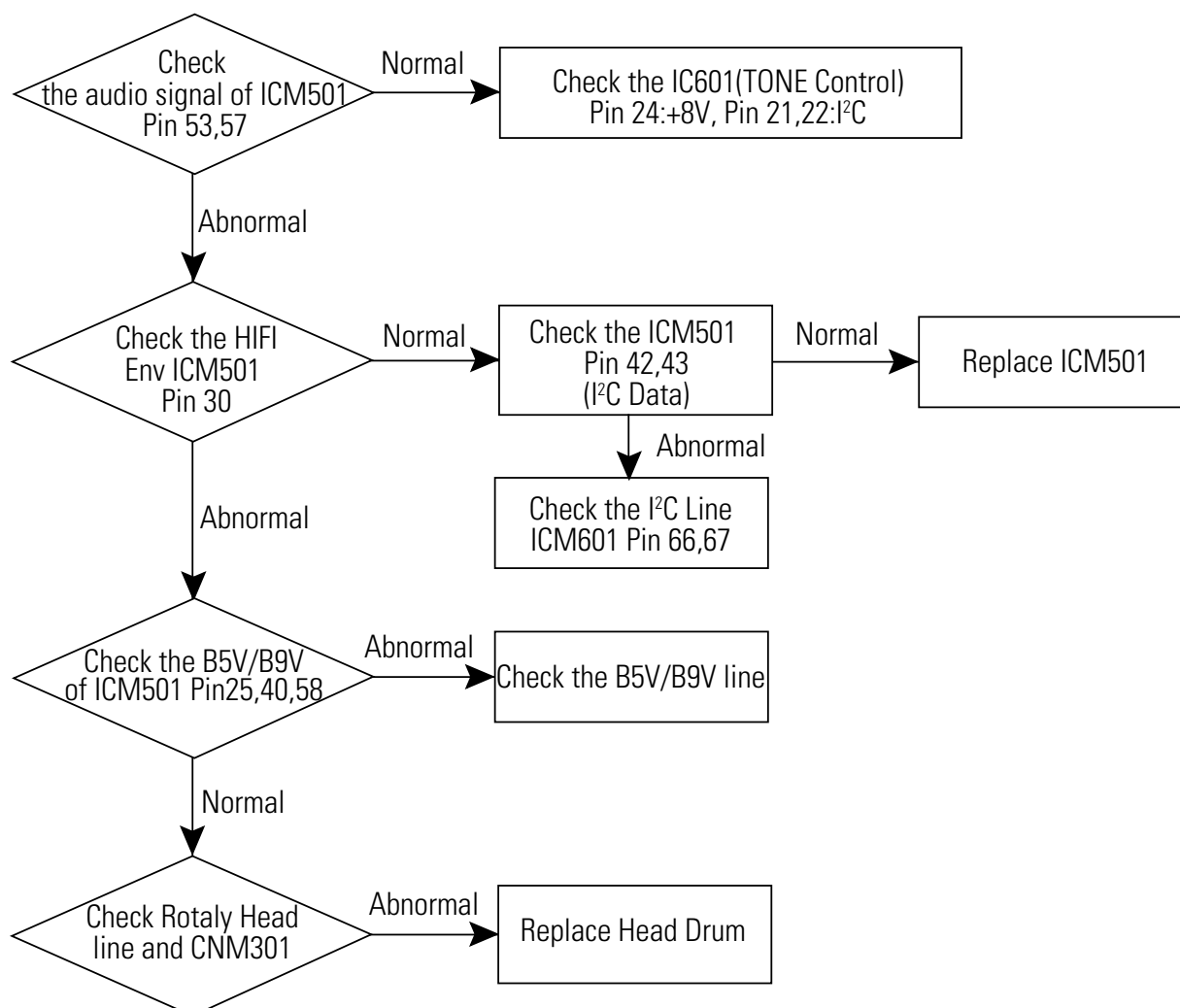


### 5-13 No Audio During Playback (Mono Audio)

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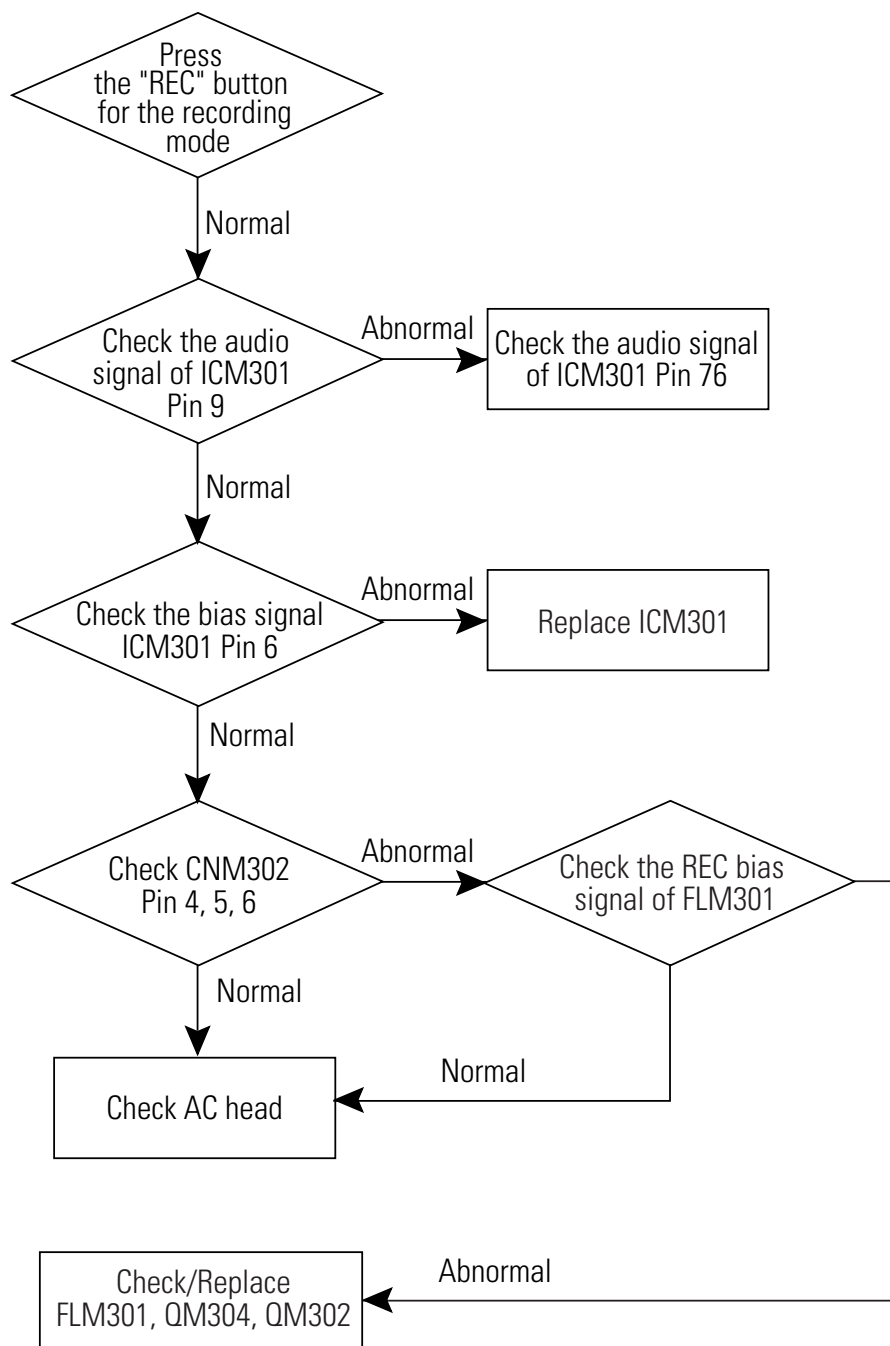


## 5-14 No Audio During Playback (HIFI)



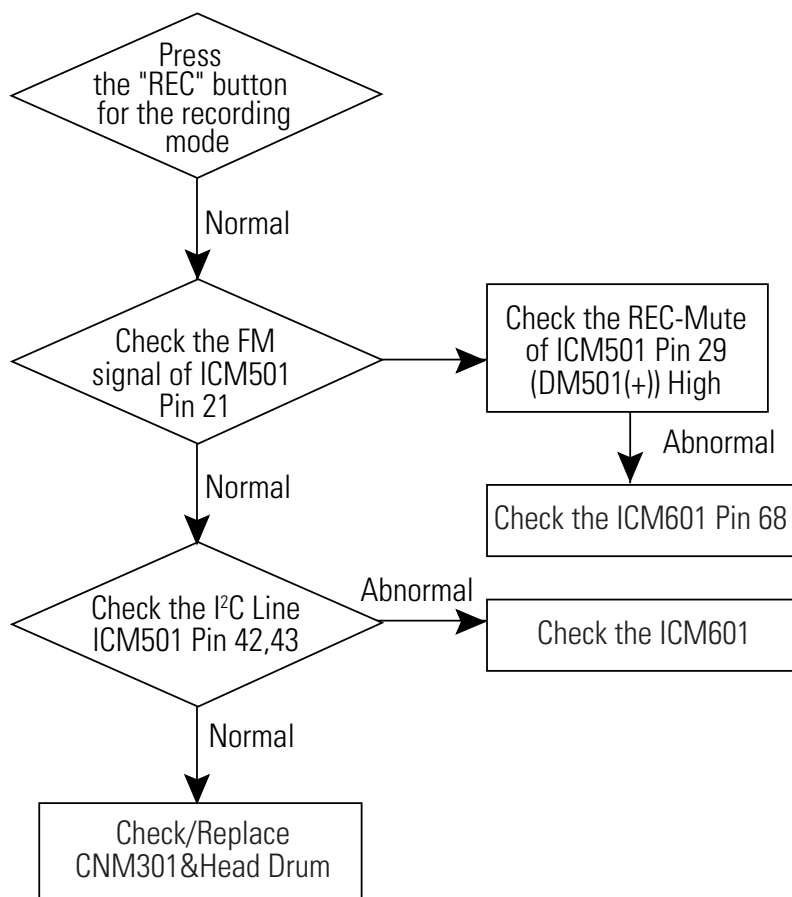
## 5-15 No Audio During Record (Mono Audio)

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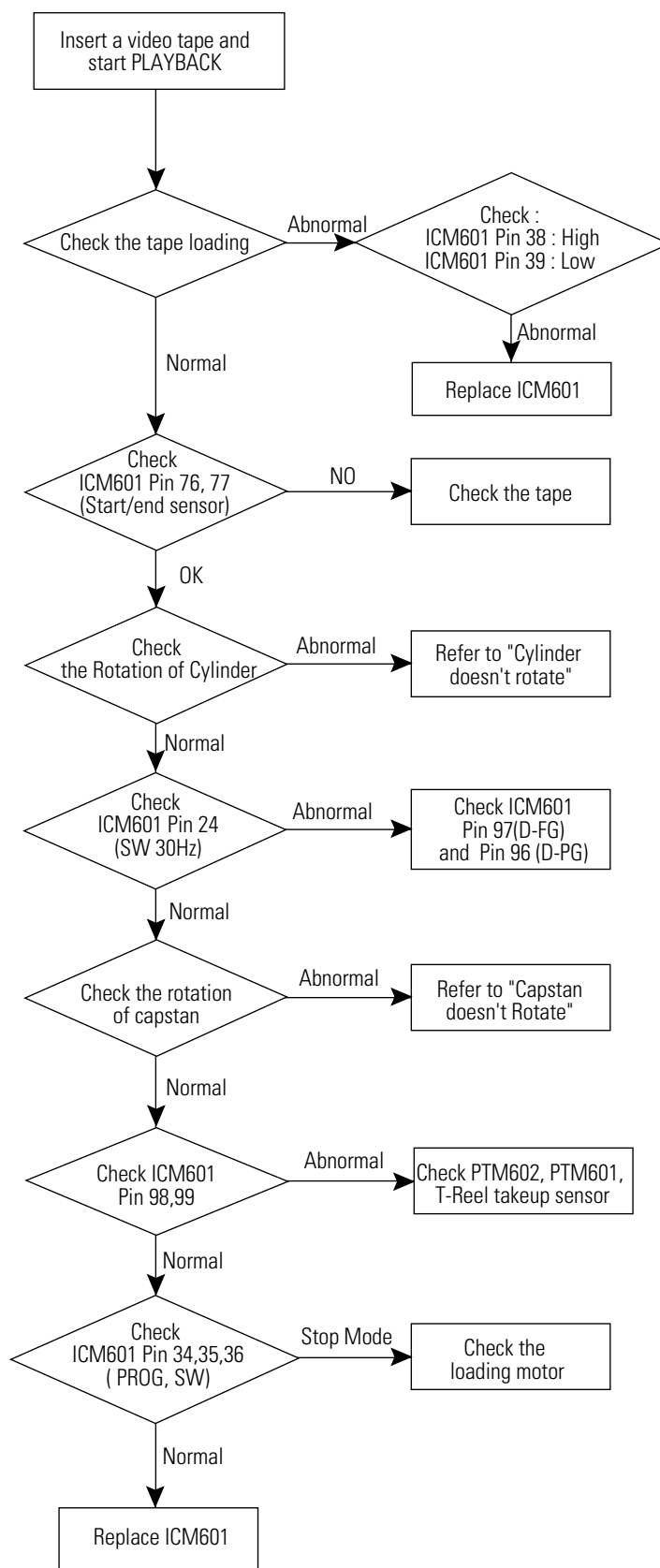


## 5-16 No Audio During Record (HIFI Audio)

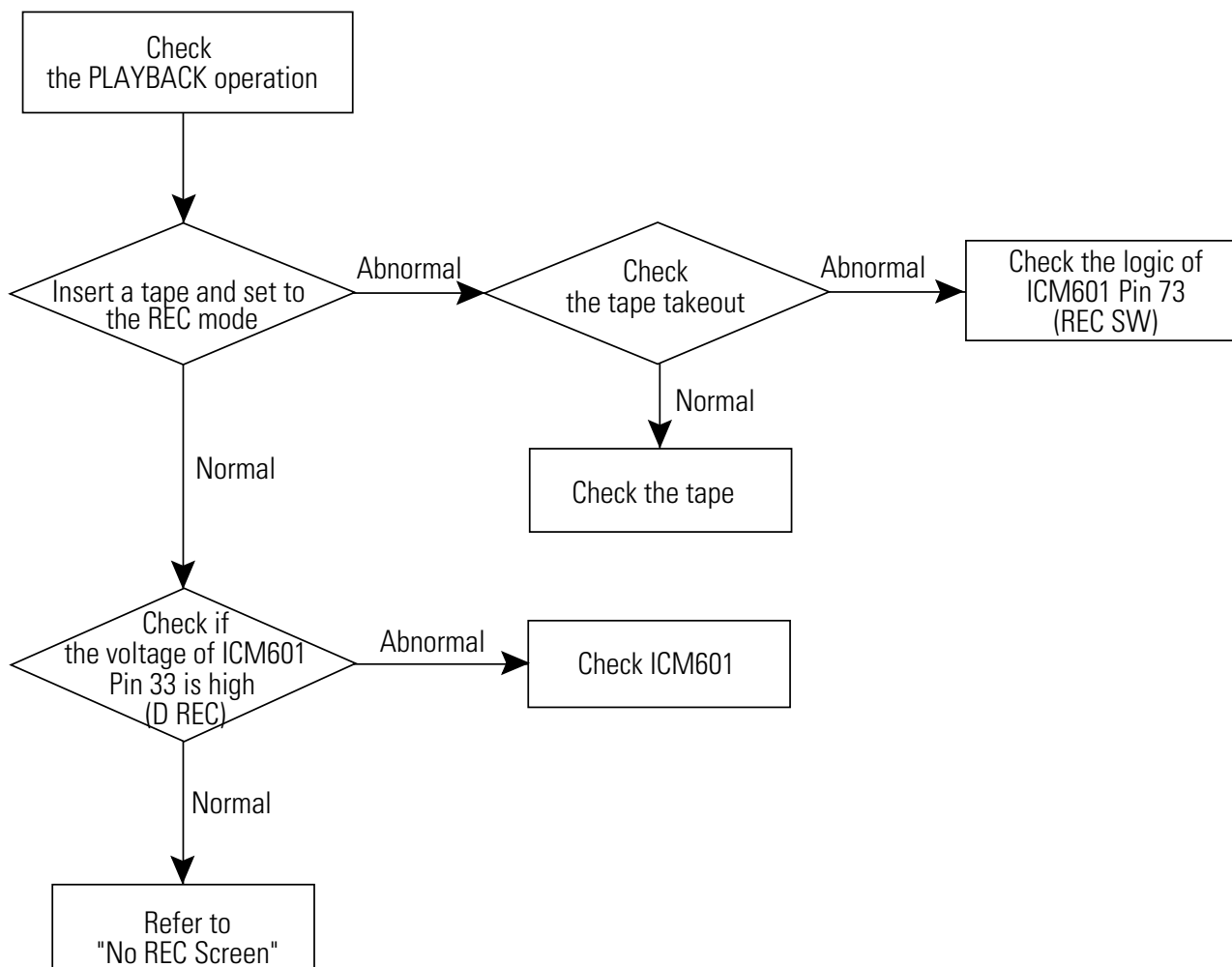
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## 5-17 No Playback

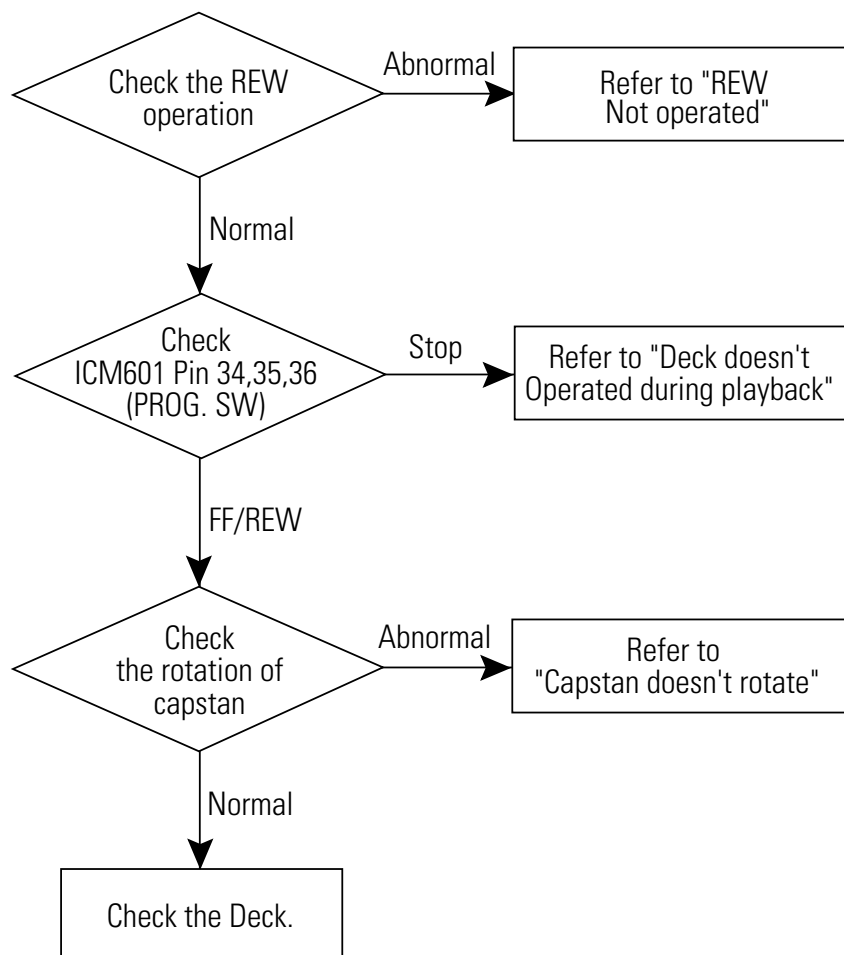


## 5-18 REC Doesn't Operate

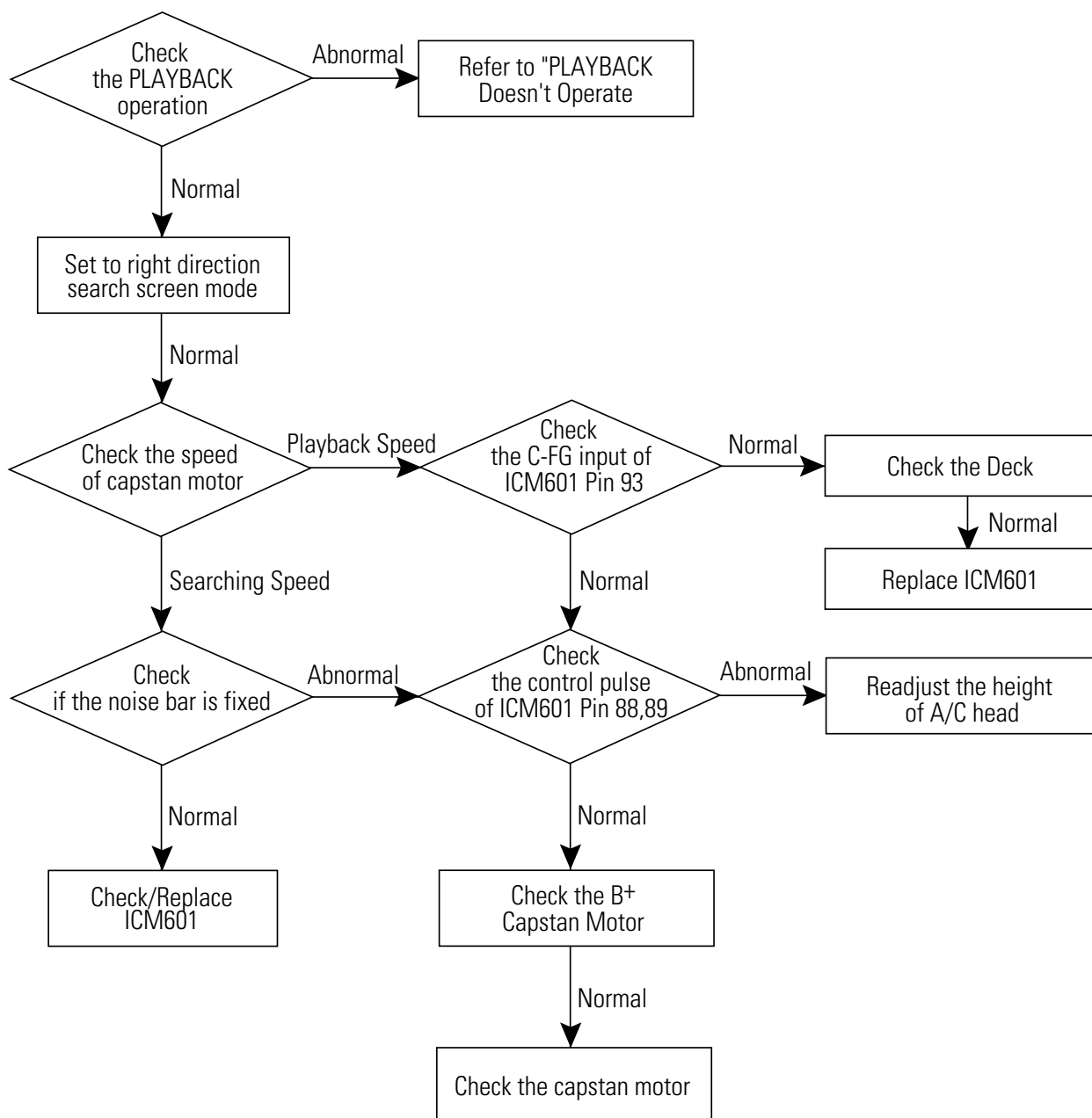


## 5-19 FF/ "REW" Doesn't Operate

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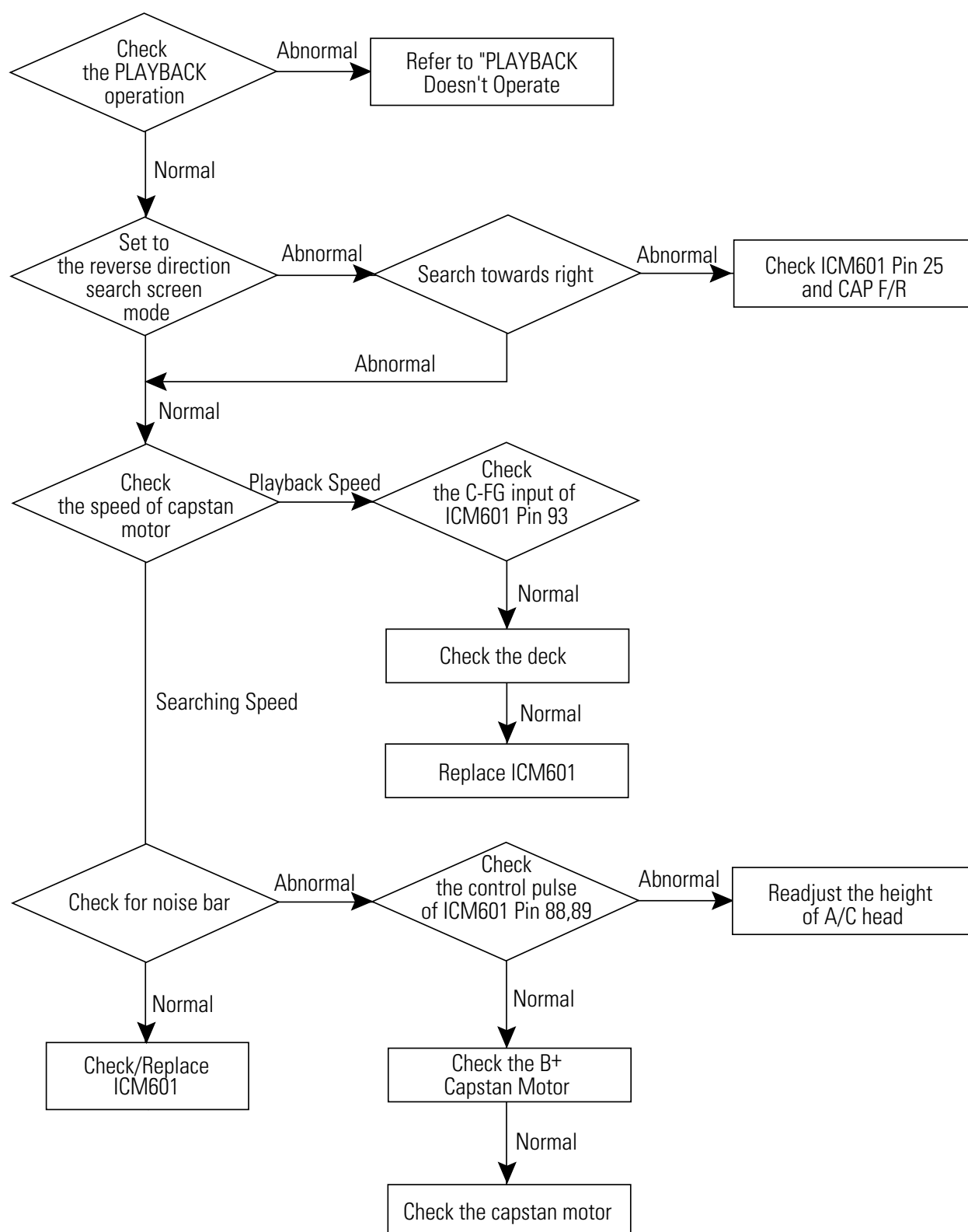


## 5-20 "Forward Direction Search

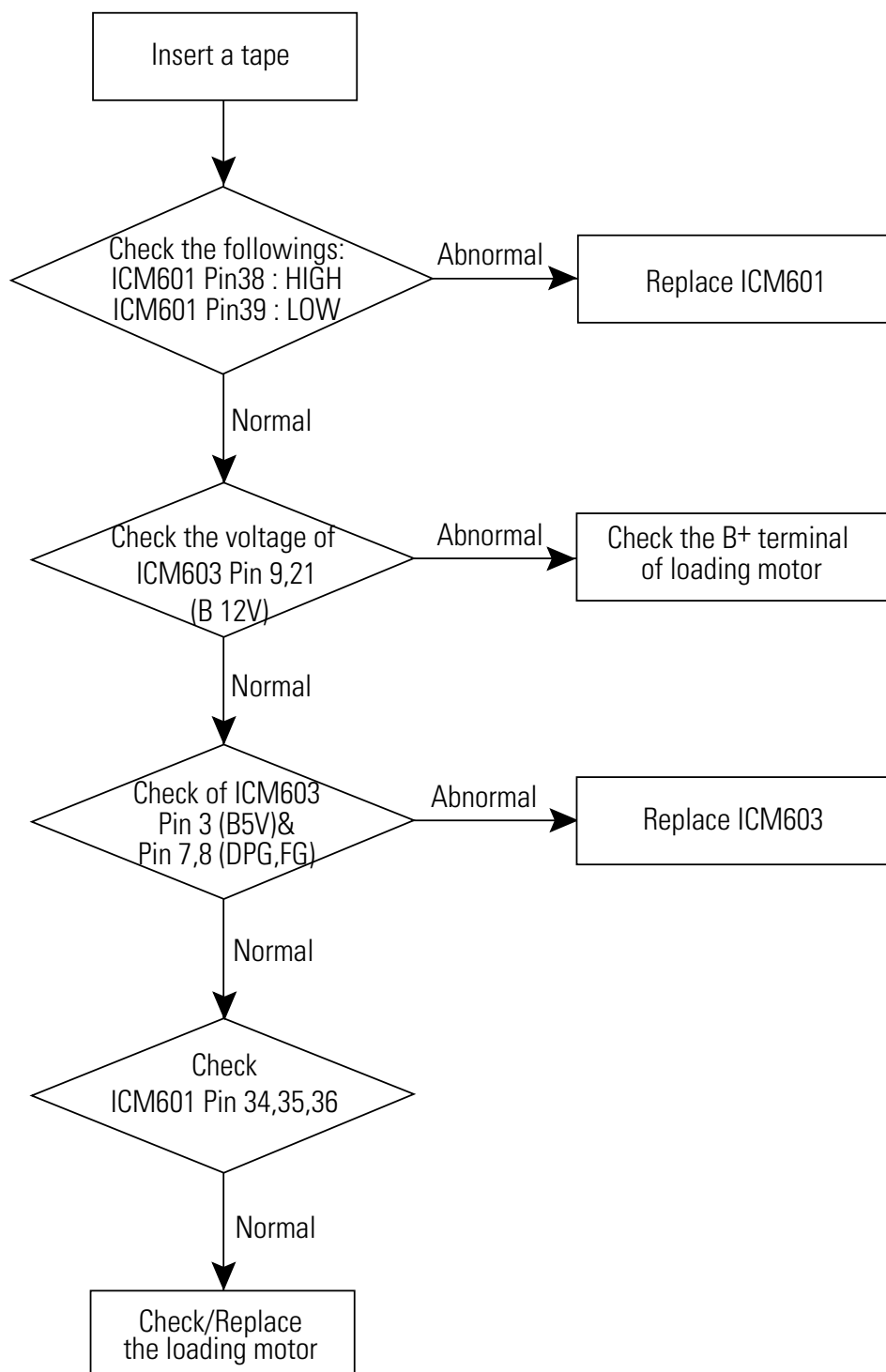




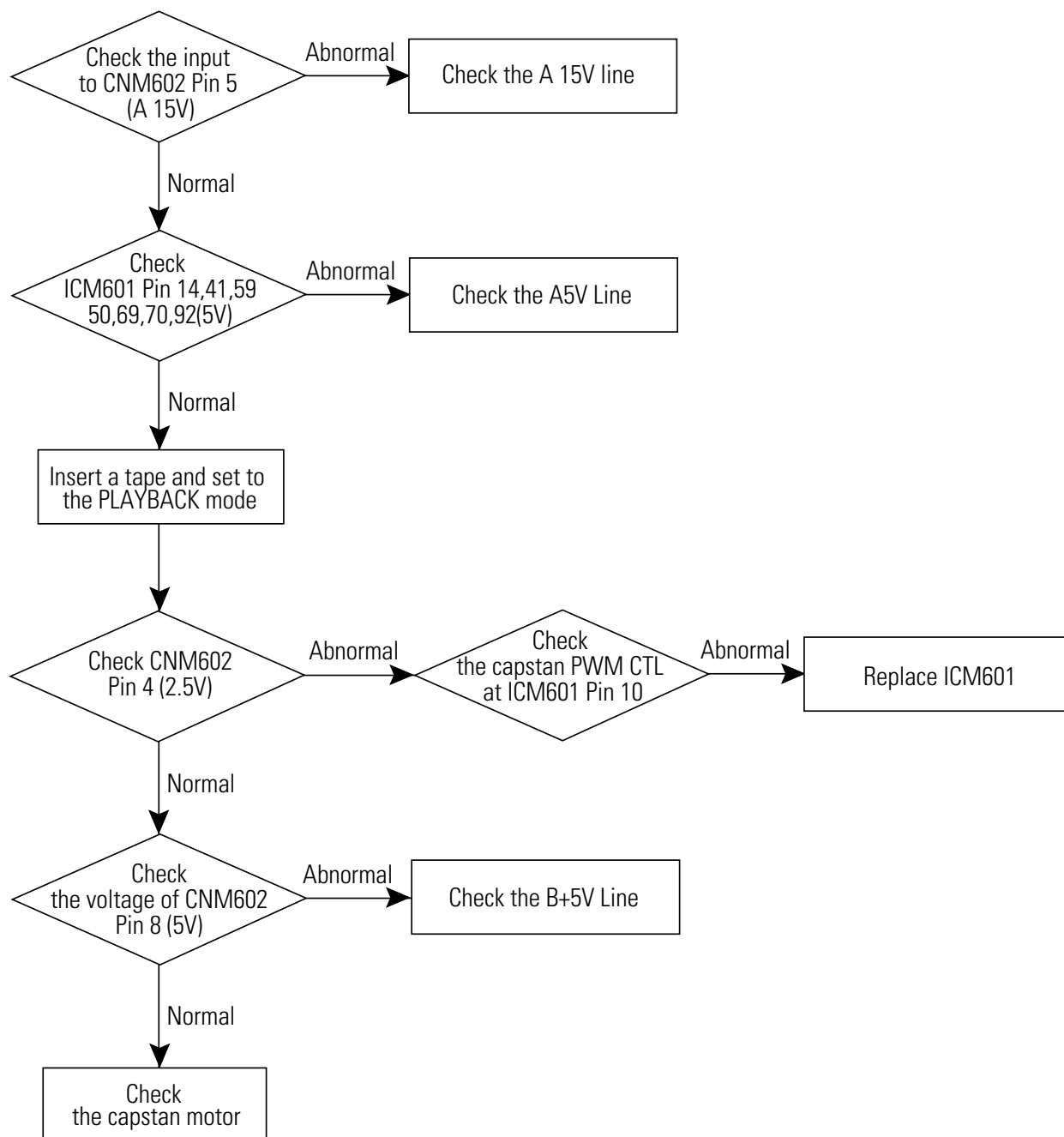
## 5-21 "Reverse Direction Search Screen "Doesn't Operate"



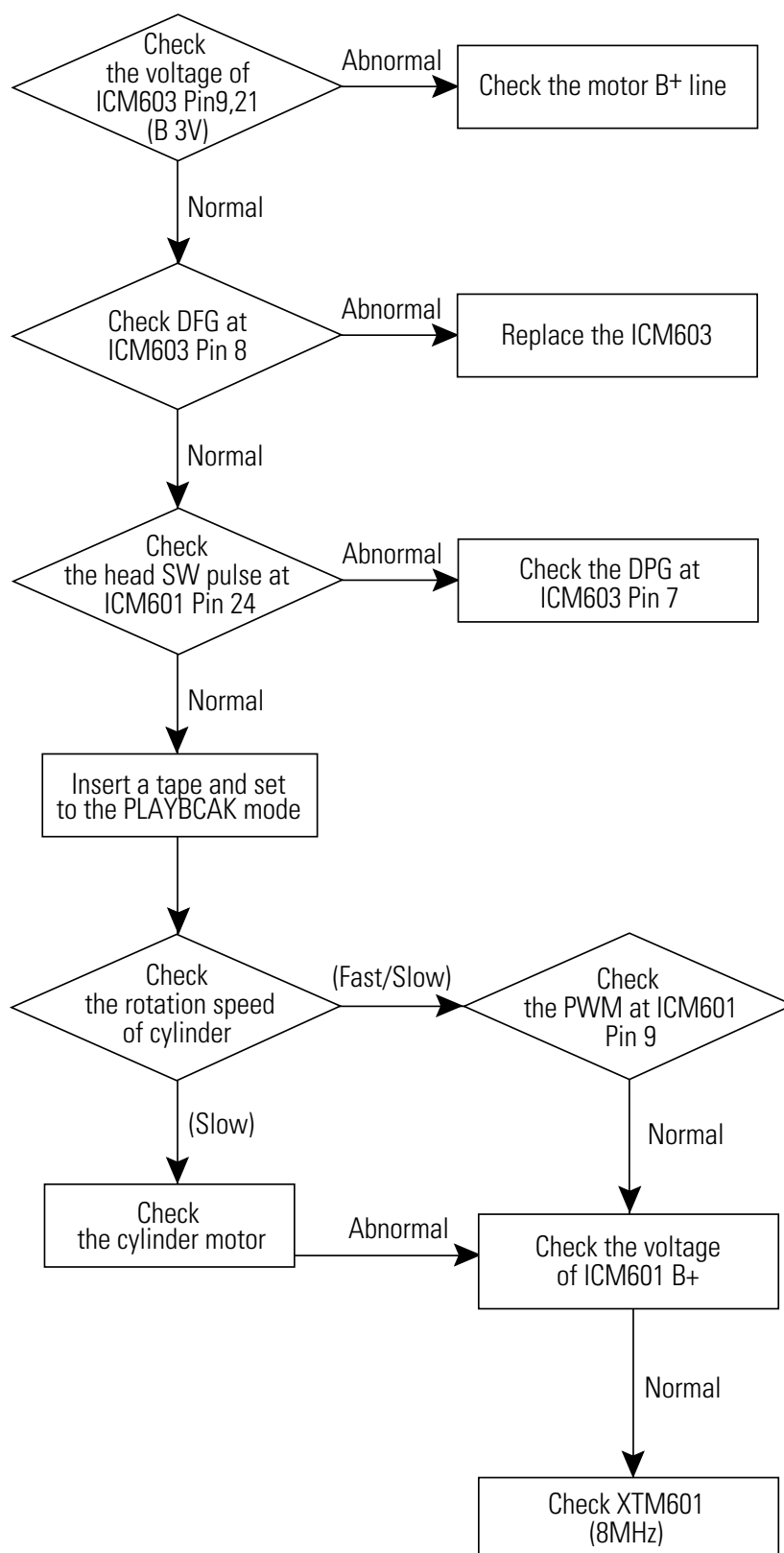
## 5-22 Tape Doesn't Load



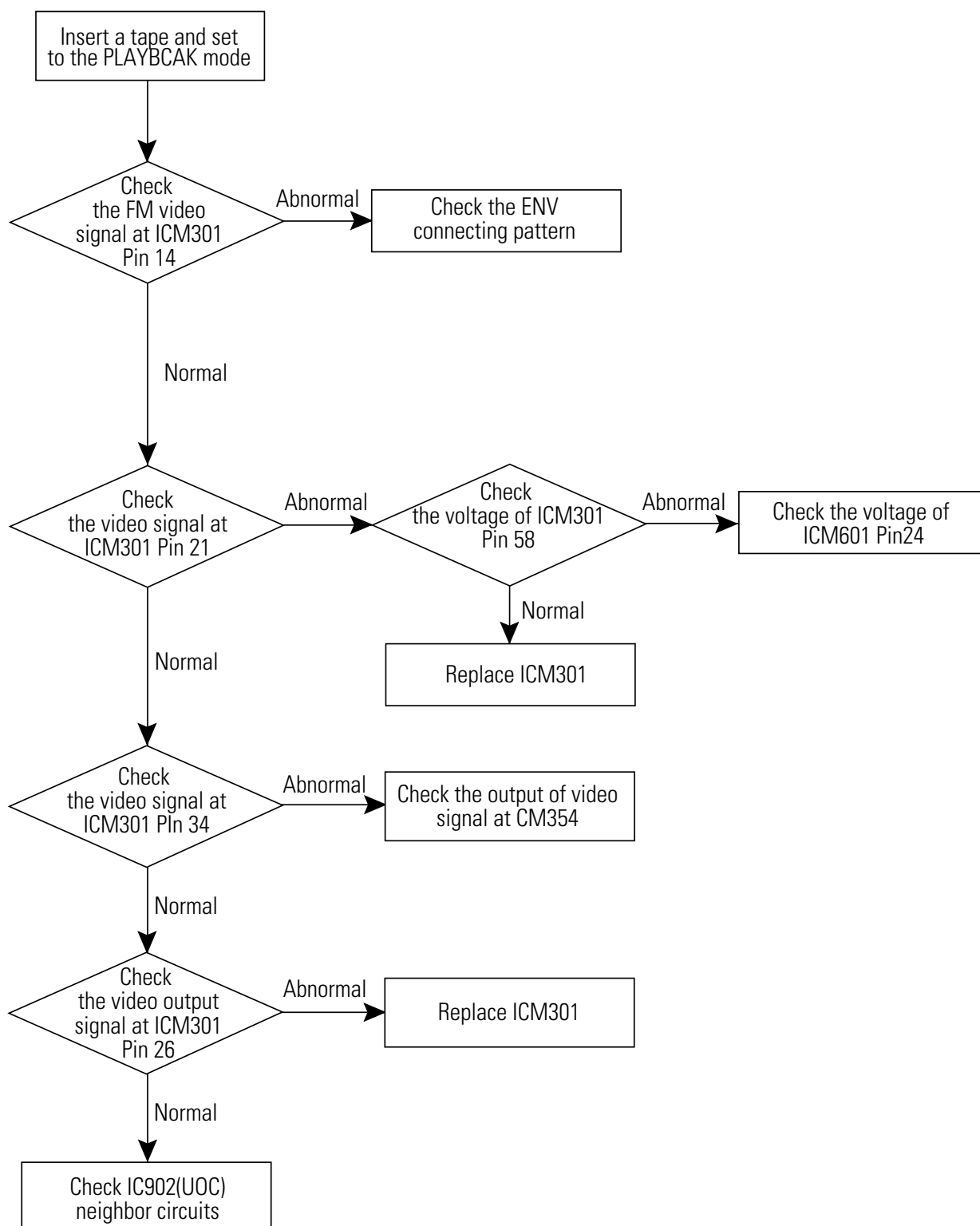
## 5-23 Capstan Doesn't Rotate



## 5-24 Cylinder Doesn't Rotate

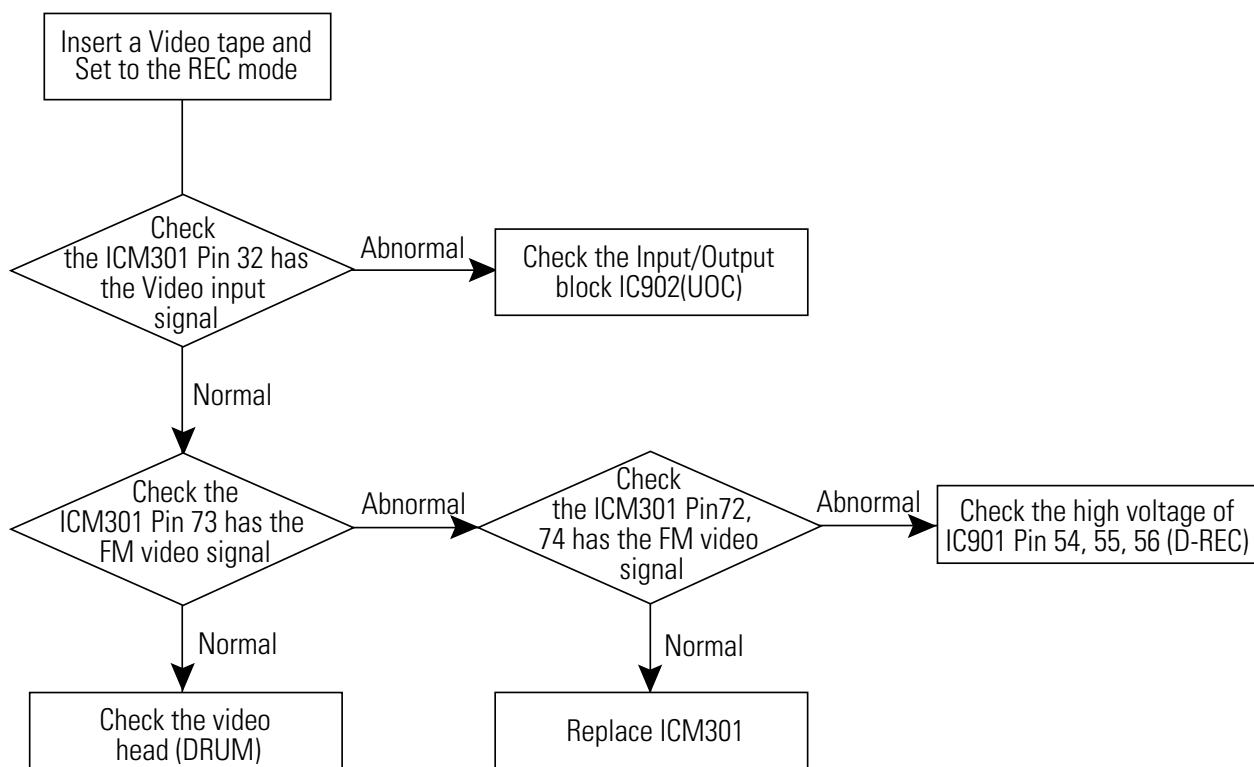


## 5-25 No Picture During Playback



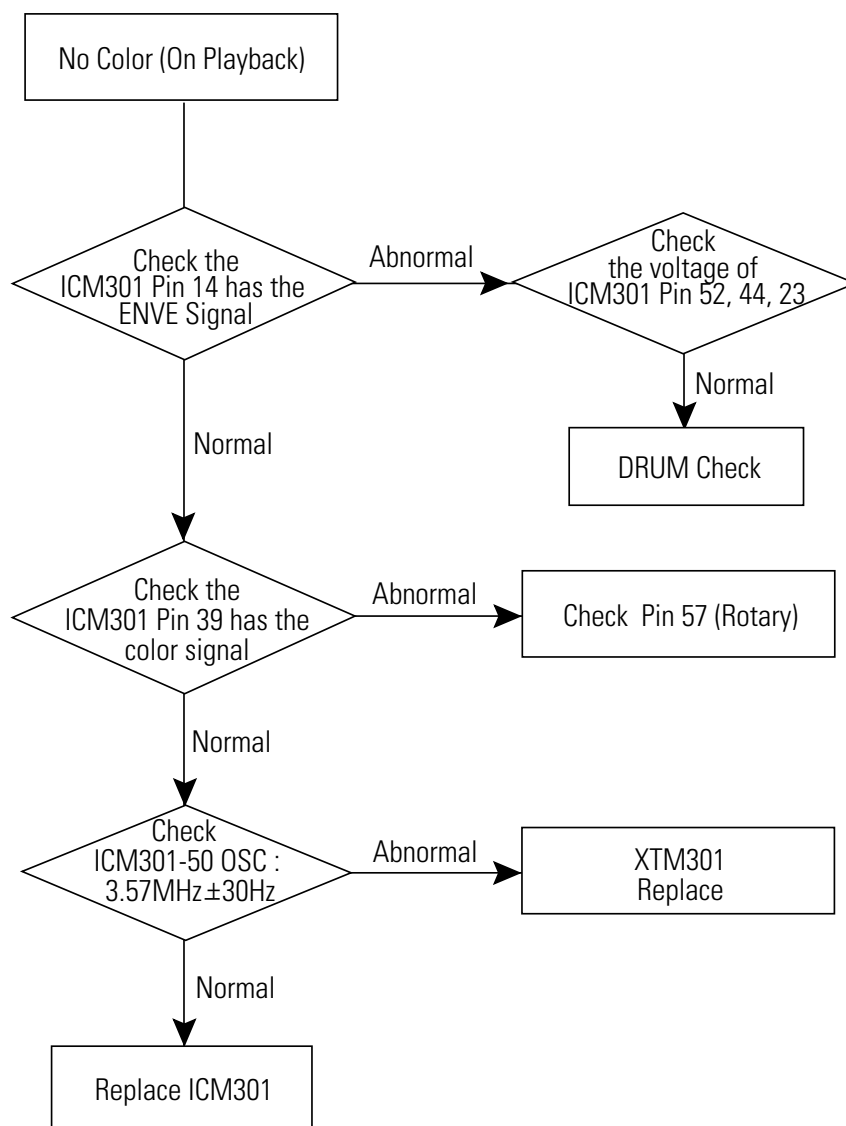
## 5-26 No Picture During Record

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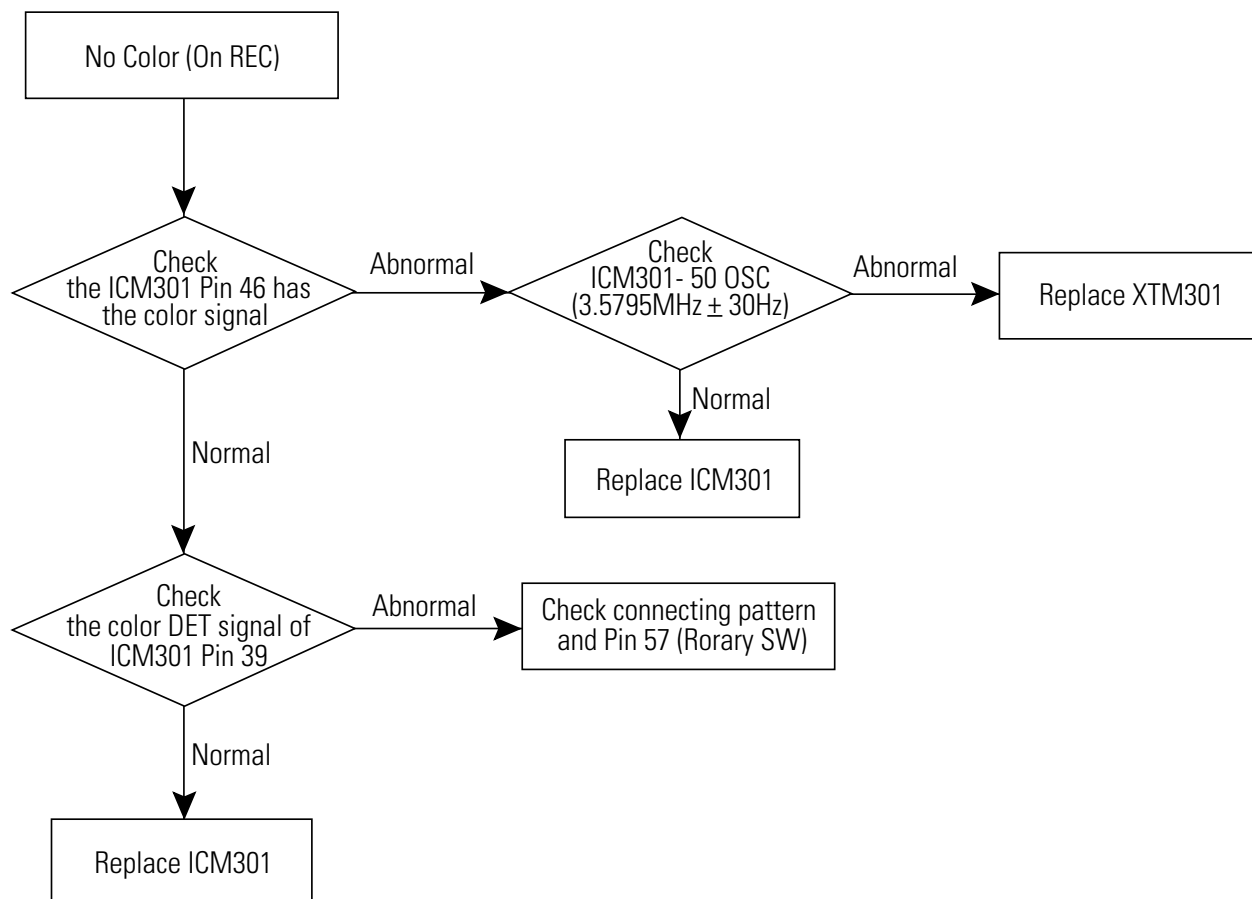
## 5-27 No Color During Playback

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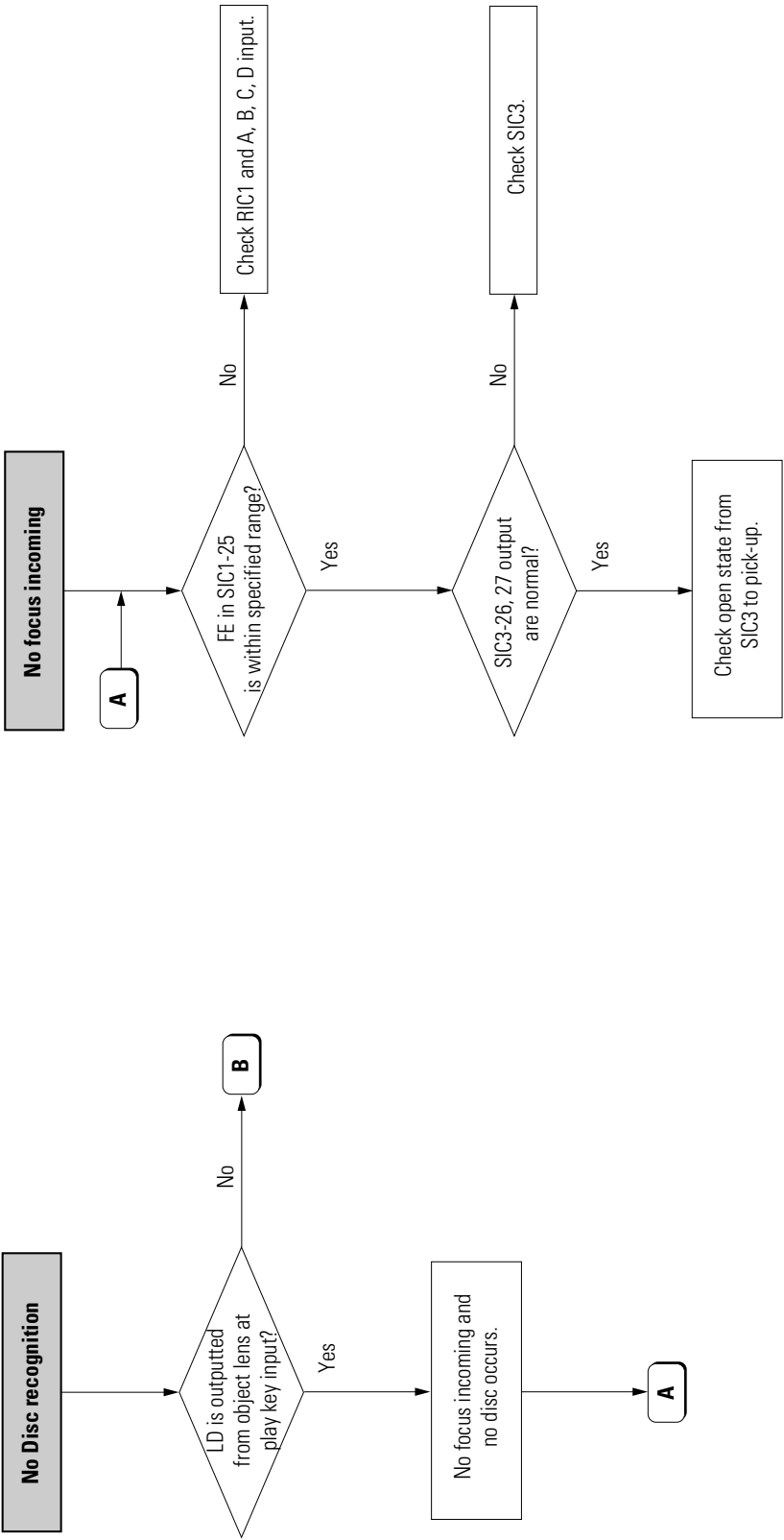
## 5-28 No Color During Record

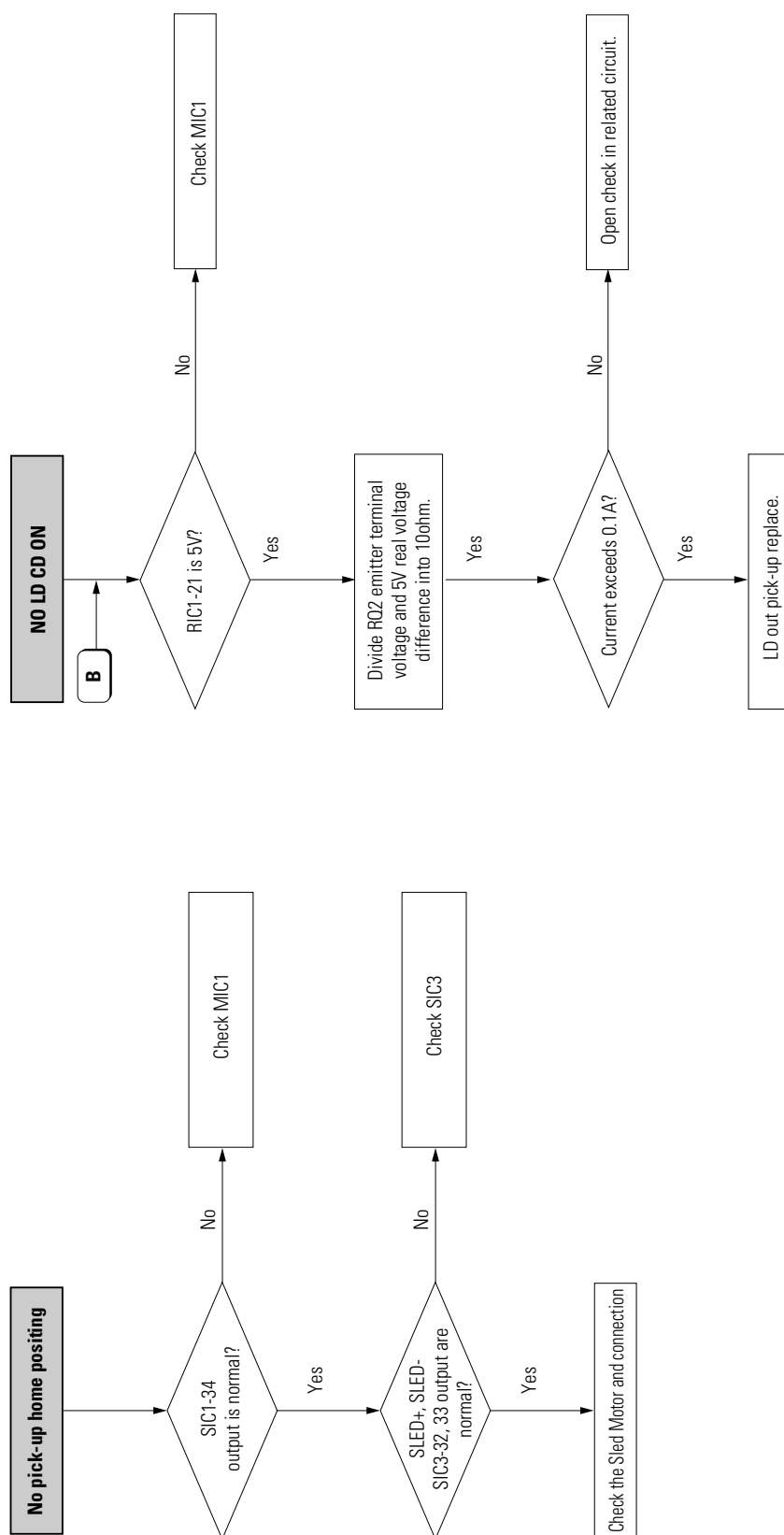
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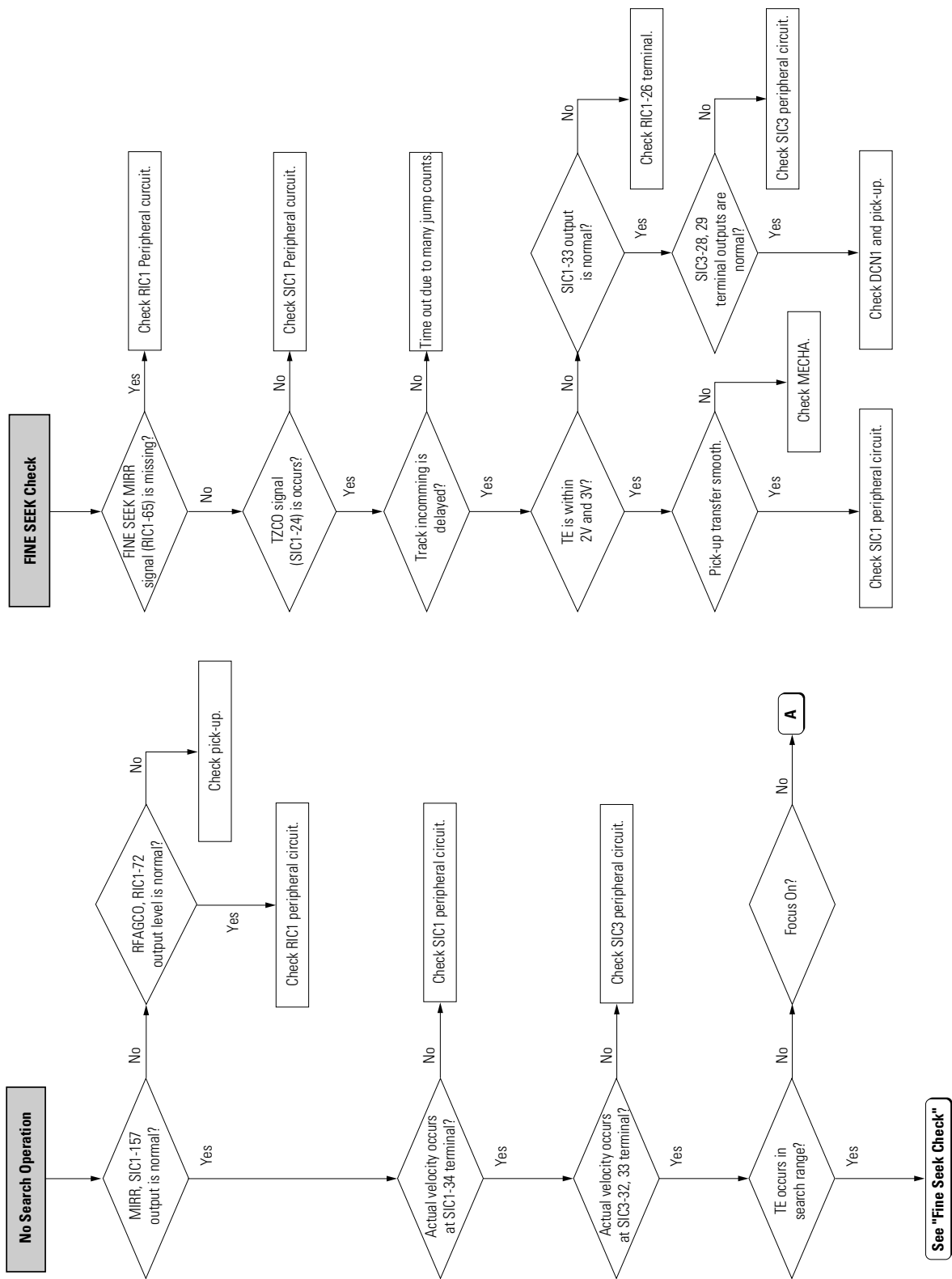


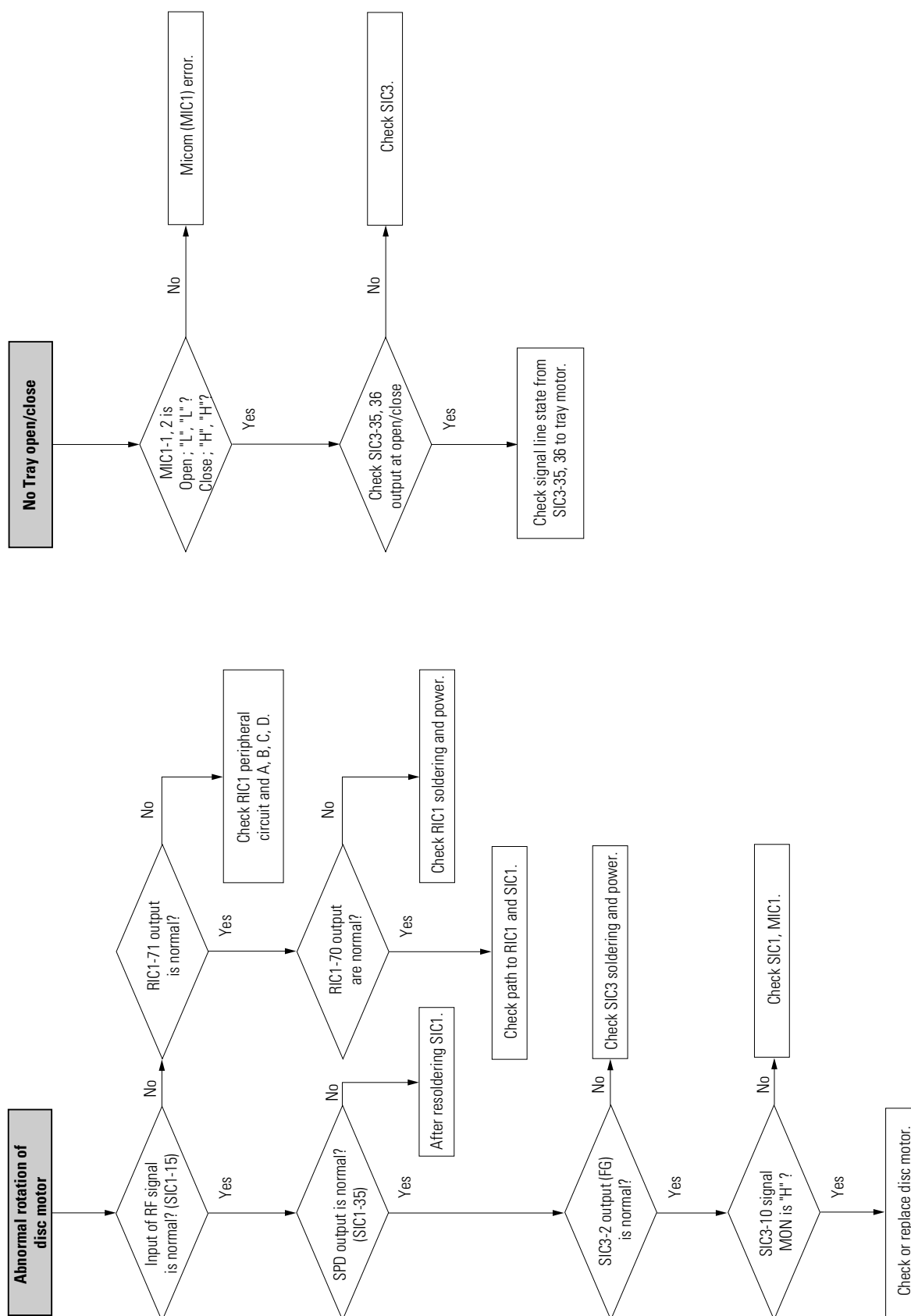


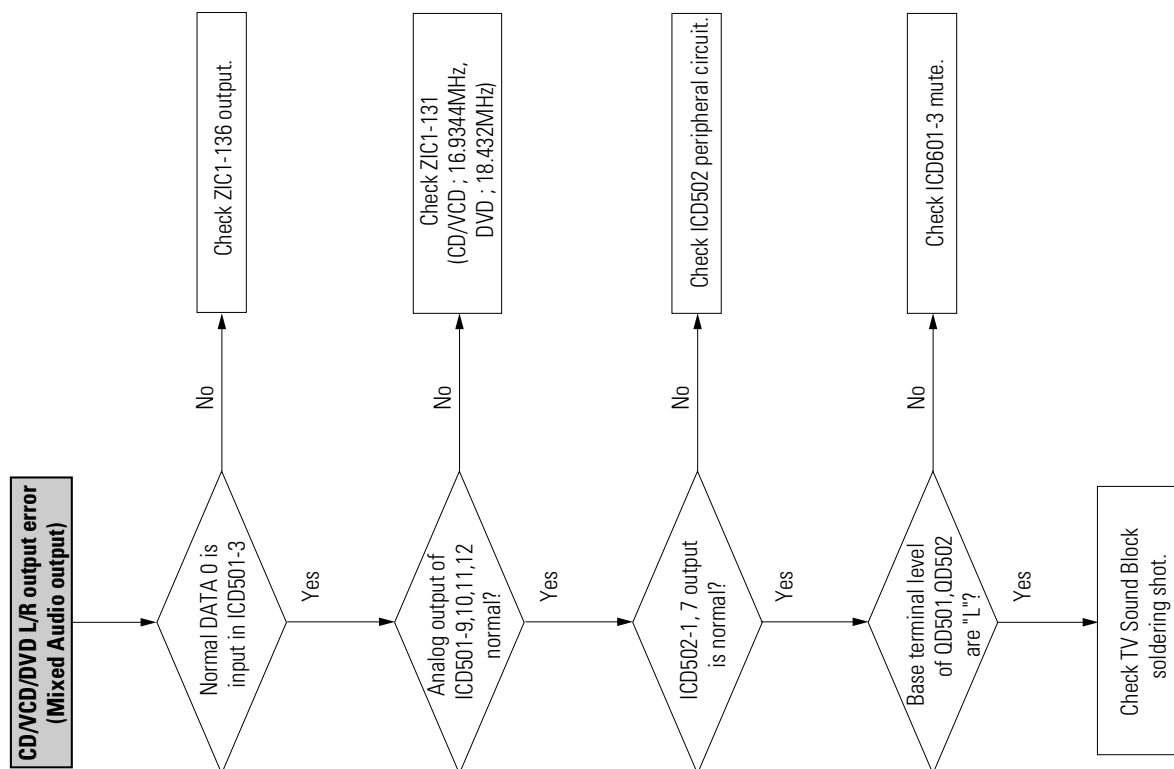
5-29 DVD Block

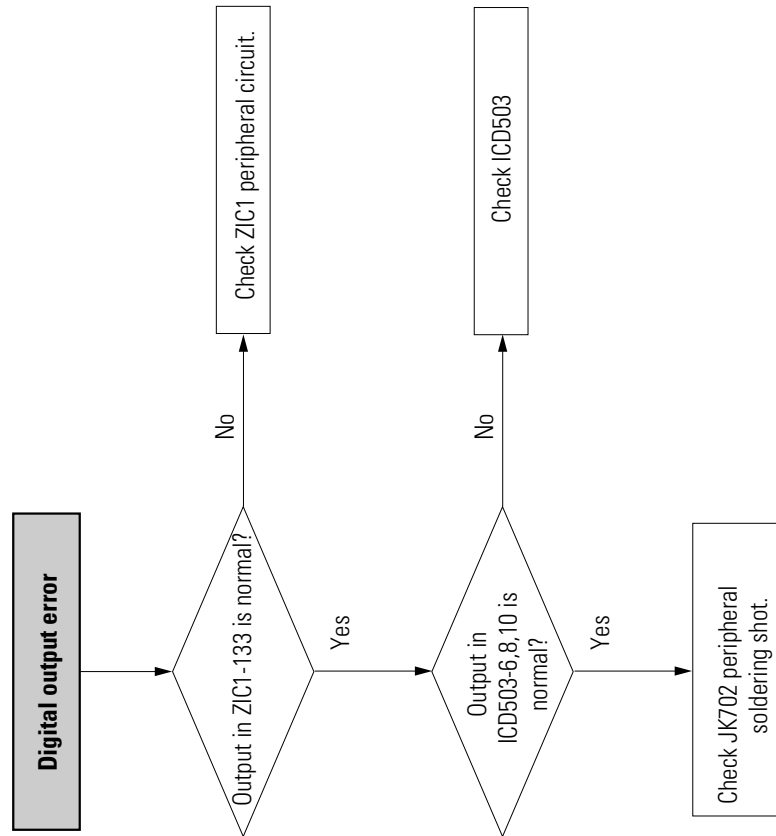












You can search for the updated part code through ITSELF web site.

URL : <http://itself.sec.samsung.co.kr>

## 7. Electrical Parts List

### 7-1 TC29J10MNX/XAX

Level	Loc. No.	Code No.	Description ; Specification	Remark	Level	Loc. No.	Code No.	Description ; Specification	Remark
<b>ASSY CHASSIS</b>					4	CNM303	3710-001648	CONNECTOR-SOCKET;2P,1R,2.5mm,STRAIGHT,SN	
1	A/CHASSIS	AA91-06668A	ASSY CHASSIS;PAL		4	CN005	3711-002642	POST-HEADER;67094-003(AUTO)	
△ 1	PWR/AC	AA96-20112F	ASSY POWER CORD;-EP2/NO,H/C 450mm,KJ10,		4	TPM01	3711-002643	POST-HEADER;YW025-04(AUTO)	
3		AA39-10006K	POWER-CORD;KJ-10W,AWG SPT-2		4	CN004	3711-003051	CONNECTOR-HEADER;BOX,8P,1R,2.5MM,STRAIGH	
3		AA61-20284A	HOLDER P CORD;PP,VO,BLK,KE-002		4	CNM602	3711-003749	CONNECTOR-HEADER;BOX,8P,2R,2mm,STRAIGHT,	
2	POWER+HP	6003-001023	SCREW-TAPTITERWH,+,B,M3,L10,ZPC(YEL)		4	CN701	3711-003973	CONNECTOR-HEADER;BOX,11P,1R,2.5mm,STRAIG	
2	H/P	AA61-01241A	HOLDER-PCB;29J6,HIPS V0,G4309		4	CN002	3711-003974	CONNECTOR-HEADER;BOX,12P,1R,2.5mm,STRAIG	
2	HP+HD	6002-000522	SCREW-TAPPING;TH,+,2,M4,L15,ZP		4	JK701	3722-001215	JACK-PIN;9P(6P),3.4mm,SN,BLK,#16-22	
2	CW	AA65-00011C	CLAMP-WIRE;ALL MODEL,NYLON 66,V2,NTR,25M		4	FLM301	AA26-10006C	TRANS-IF;7ML,BIAS,-,7MM,3100PF	
2	CW	AA65-30104C	CLAMP-WIRE;NYLON 66,V2,NTR,W1 Z4,ALL MOD		4	SWM601	AA34-20001A	SWITCH-MODE;1,25x14.6x29.8mm,BK,DC5V	
2	M/DECK	AA94-13087A	ASSY PCB MISC-M/DECK;DP-TC29J6MNX/XAX,V1		4	SWM602	AA34-40001A	SWITCH-REC.;1EA,37.5x14.4mm,BK,DC5V	
3	HP+HD	6002-000522	SCREW-TAPPING;TH,+,2,M4,L15,ZP		4	CN001	AA39-00180D	LEAD CONNECTOR ASSY;V18A,UL1007#26,UL/CS	
3	VDECK+HD	6002-000522	SCREW-TAPPING;TH,+,2,M4,L15,ZP		4	CN003	AA39-00180D	LEAD CONNECTOR ASSY;V18A,UL1007#26,UL/CS	
3	DDECK+HD	6003-001022	SCREW-TAPTITE;RH,+,B,M3,L12,ZPC(BLK),SWR		4	CN006	AA39-20005D	LEAD CONNECTOR-ASSY;3P,YBNH250-03,67096	
3	DVDP+HD	6003-001022	SCREW-TAPTITE;RH,+,B,M3,L12,ZPC(BLK),SWR		4	CNM601	AA39-20603A	LEAD CONNECTOR-ASSY;-GIL-S-2S-S2C2-S,YB	
3	IP+HD	6003-001023	SCREW-TAPTITERWH,+,B,M3,L10,ZPC(YEL)		△ 4	TU01S	AA40-00021A	TUNER-F/S;TCPN3081PA09A(S),NTSC,TR,181CH	
3	MAINP+HD	6003-001023	SCREW-TAPTITERWH,+,B,M3,L10,ZPC(YEL)		4	REM701	AA59-60003V	MODULE-REMOCON;DP,SRV-18,38KHz,940nm,MES	
3	POWERP+HP	6003-001023	SCREW-TAPTITERWH,+,B,M3,L10,ZPC(YEL)		4	GPM001	AA63-00444B	GROUND;TVCR,PBS,T0.3,SUS-DECK	
3	SDVD+HD	6003-001023	SCREW-TAPTITERWH,+,B,M3,L10,ZPC(YEL)		4	LDM602	AA91-60318A	ASSY-HOLDER,LED;-ABS,HB,BLK,IR LED,TS-D	
3	SVCR+HD	6003-001023	SCREW-TAPTITERWH,+,B,M3,L10,ZPC(YEL)		5		0601-001303	LED-IR;SIDE-VIEW;2.5MM,75MMV,6V,950NM,	
3		AA39-20497B	LEAD CONNECTOR-ASSY;1P,YFH800-01,RING,2		5		AA61-00003A	HOLDER-LED;TVN-502V,ABS,-,-,BLK,HB	
3		AA60-00157A	SPACER-BUMPON;COMBO,D10.2,BLK,T2.5,W10.		4	SM601	AA91-60319A	ASSY-HOLDER,SENSOR;-ABS,HB,BLK,TR LED,T	
3		AA61-01184A	HOLDER-DECK;COMBO,HIPS V0,G4309		4	SM602	AA91-60319A	ASSY-HOLDER,SENSOR;-ABS,HB,BLK,TR LED,T	
3		AA61-01187A	HOLDER-TRAY;21J5,ABS HB,BLK		5		0603-001011	PHOTO TR;NPN,35V,6V,50mA,75mW,BK	
3		AA61-01241A	HOLDER-PCB;29J6,HIPS V0,G4309		5		AA61-00005A	HOLDER-SENSOR;TVN-502V,ABS,-,-,BLK,HB	
3		AA63-00443B	SHIELD;TVCR,SPT,TO.3,SUS-DECK		4	LDM601	AA96-00462A	ASSY LED GUIDE;-DL-11S2R1,RED	
3		AA63-00594A	SHIELD-VCR;COMBO,SECC,TO.5		4	CNM32A	3809-001206	CABLE-FLAT;30V,-20to+80C,140mm,6P,1.25mm	
3		AA63-00595A	SHIELD-DVD;COMBO,SECC,TO.5		4	CNM64A	3809-001312	CABLE-FLAT;30V,80C,110MM,7P,1.25MM,UL289	
3		AA64-01763B	INLAY-BARRIER,FRONT;21G5,PVC,TO.4,-,-,-		4	GT001	AA39-20010A	LEAD CONNECTOR-ASSY;1P,YFH800-01,S,200,	
3		AA68-00364B	LABEL-SERIAL;ALL MODEL,A/P 90G,60X30		4	L/PQS	AA68-01018A	LABEL-PQS;-50mmX,13,-,WHITE,-	
3		AA68-50062W	LABEL-LINE,NO:A/P90(S),TO.2,-,-,WHT,-		4	A/COMB	AA96-01263A	ASSY MISC;2 H/COMB,V18B,27,TORNADO II	
3		AA68-50063X	LABEL-WARNING:A/P120(S),TO.2,-,-,WHT,NTS		5	DZX01	0403-000717	DIODE-ZENER;MTZJ5.1B,5.1V,4.94-5.2V,500m	
3		AA94-11922A	ASSY PCB MISC-COMB;V18B		5	RX01	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP	
4	ICX01	1204-001854	IC-FILTER;TDA9183,DIP,16P,300MIL,PLASTIC		5	RX02	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP	
4	CNX01	3711-002708	CONNECTOR-HEADER;NOWALL,10P,1R,2.5mm,ANG		5	CX04	2202-002037	C-CERAMIC,MLC-AXIAL;100NF,+80-20	
4	A/AUTO	AA97-12829A	ASSY AUTO;V18B		5	CX05	2202-002037	C-CERAMIC,MLC-AXIAL;100NF,+80-20	
5	DZX01	0403-000717	DIODE-ZENER;MTZJ5.1B,5.1V,4.94-5.2V,500m		5	CX01	2305-000196	C-FILM,MPEF;150nF,5%,63V,TP,-,5mm	
5	RX01	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP		5	CX02	2305-000196	C-FILM,MPEF;150nF,5%,63V,TP,-,5mm	
5	RX02	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP		5	CX03	2401-000913	C-AL;22uF,20%,16V,GP,TP,5x11,5	
5	CX04	2202-002037	C-CERAMIC,MLC-AXIAL;100NF,+80-20		5	CX06	2401-000913	C-AL;22uF,20%,16V,GP,TP,5x11,5	
5	CX05	2202-002037	C-CERAMIC,MLC-AXIAL;100NF,+80-20		5	LX01	2701-000114	INDUCTOR-AXIAL;10UH,10%,2.5X3	
5	CX01	2305-000196	C-FILM,MPEF;150nF,5%,63V,TP,-,5mm		5	LX02	2701-000114	INDUCTOR-AXIAL;10UH,10%,2.5X3	
5	CX02	2305-000196	C-FILM,MPEF;150nF,5%,63V,TP,-,5mm		5	JX01	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
5	CX03	2401-000913	C-AL;22uF,20%,16V,GP,TP,5x11,5		5	QOVER	AA41-00796A	PCB-2H COMB;TORNADOII,FR-1,1L,A,1.6T,245	
5	CX06	2401-000913	C-AL;22uF,20%,16V,GP,TP,5x11,5		5	ICX01	1204-001854	IC-FILTER;TDA9183,DIP,16P,300MIL,PLASTIC	
5	LX01	2701-000114	INDUCTOR-AXIAL;10UH,10%,2.5X3		5	CNX01	3711-002708	CONNECTOR-HEADER;NOWALL,10P,1R,2.5mm,ANG	
5	LX02	2701-000114	INDUCTOR-AXIAL;10UH,10%,2.5X3		4	C229	2309-000138	C-FILM,PE-PF;100NF,5%,50V,TP	
5	JX01	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A		4	C105	2401-000133	C-AL;1000uF,20%,16V,GP,TP,10x20,5	
5	QOVER	AA41-00796A	PCB-2H COMB;TORNADOII,FR-1,1L,A,1.6T,245		4	A/AUTO	AA97-12828A	ASSY AUTO-MAIN;V18B	
3		AA94-12071A	ASSY PCB MAIN;V18B		5	D102	0401-000005	DIODE;1N4148,100V,300mA,1V,8nS,TAPING	
4		0202-000008	SOLDER-WIRE;S63S-D3.0,S63A,D3,63/37		5	D201	0401-000005	DIODE;1N4148,100V,300mA,1V,8nS,TAPING	
4		0202-000187	SOLDER-WIREFLUX;-RS60S,D1.2,6		5	DM103	0401-000005	DIODE;1N4148,100V,300mA,1V,8nS,TAPING	
4		0204-000442	SOLVENT;CH3-CH5H-CH396%IM-1000		5	DM104	0401-000005	DIODE;1N4148,100V,300mA,1V,8nS,TAPING	
4		0204-001024	FLUX;DF-96TVS,-,20%,-		5	DM105	0401-000005	DIODE;1N4148,100V,300mA,1V,8nS,TAPING	
4	PTM601	0604-001122	PHOTO-INTERRUPTER;TR,0.065%,150mW,DIP-4,		5	DM501	0401-000005	DIODE;1N4148,100V,300mA,1V,8nS,TAPING	
4	PTM602	0604-001122	PHOTO-INTERRUPTER;TR,0.065%,150mW,DIP-4,		5	DM601	0401-000005	DIODE;1N4148,100V,300mA,1V,8nS,TAPING	
4	ICM603	1003-001318	IC-MOTOR DRIVER;LB11880,DIP,30P,417MIL,-		5	DM605	0401-000005	DIODE;1N4148,100V,300mA,1V,8nS,TAPING	
4	IC901	1103-001106	IC-EEPROM;24C080,1028x8BIT,DIP,8P,300MIL		5	DM606	0401-000005	DIODE;1N4148,100V,300mA,1V,8nS,TAPING	
4	JK702	3707-001005	CONNECTOR-OPTICAL;PLUG,SM,-,4,4/2.0MM		5	D101	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41	
4	CNM301	3708-000391	CONNECTOR-FPC/FFC/PIC;10P,1.25mm,STRAIGH		5	D902	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41	
4	CNM302	3708-000394	CONNECTOR-FPC/FC/PIC;6P,1.25mm,STRAIGHT,		5	DM101	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41	
4	CNM604	3708-001053	CONNECTOR-FPC/FC/PIC;7P,1.2MM,		5	DM102	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41	
					5	DM106	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41	
					5	DZ701	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
					5	DZM701	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	

Electric Parts List

Loc. No.	Code No.	Description ; Specification	Remark
5	DZ601	0403-000719 DIODE-ZENER;MTZJ7.5B,7.5V,7.07-7.45V,500	
5	DZ602	0403-000719 DIODE-ZENER;MTZJ7.5B,7.5V,7.07-7.45V,500	
5	DZM103	0403-000720 DIODE-ZENER;MTZJ9.1B,9.1V,8.57-9.01V,500	
5	DZM101	0403-001211 DIODE-ZENER;MTZJ12B,11.44-12.03V,500MW,D	
5	DZ901	0403-001317 DIODE-ZENER;MTZJ3.0B,3.01-3.22V,500mW,DO	
5	DZ102	0403-001373 DIODE-ZENER;MTZJ5.1A,4.81V-5.07V,500mW,D	
5	DZM102	0403-001373 DIODE-ZENER;MTZJ5.1A,4.81V-5.07V,500mW,D	
5	QM304	0501-000010 TR-SMALLSIGNAL;KSC1008,NPN,80V	
5	QZ03	0501-000283 TRANSISTOR;KSA539-Y(TAPG)/YTAM	
5	Q701	0501-000283 TRANSISTOR;KSA539-Y(TAPG)/YTAM	
5	Q702	0501-000283 TRANSISTOR;KSA539-Y(TAPG)/YTAM	
5	Q703	0501-000283 TRANSISTOR;KSA539-Y(TAPG)/YTAM	
5	QM303	0501-000303 TR-SMALLSIGNAL;KSA733,PNP,250M	
5	QM305	0501-000303 TR-SMALLSIGNAL;KSA733,PNP,250M	
5	QM307	0501-000303 TR-SMALLSIGNAL;KSA733,PNP,250M	
5	QM308	0501-000303 TR-SMALLSIGNAL;KSA733,PNP,250M	
5	Q901	0501-000362 TRANSISTOR;KSC2328A-Y/2SC2655-	
5	QM101	0501-000362 TRANSISTOR;KSC2328A-Y/2SC2655-	
5	QM104	0501-000362 TRANSISTOR;KSC2328A-Y/2SC2655-	
5	QM105	0501-000362 TRANSISTOR;KSC2328A-Y/2SC2655-	
5	QM306	0501-000398 TR-SMALLSIGNAL;KSC945,NPN,60V	
5	QM301	0501-000442 TR-SMALL SIGNAL;KTC3203-Y,NPN,400mW,TO-9	
5	QM302	0501-000442 TR-SMALL SIGNAL;KTC3203-Y,NPN,400mW,TO-9	
5	QM103	0504-000118 TR-DIGITAL;KSR1003,NPN,300MW,2	
5	QM701	0504-000118 TR-DIGITAL;KSR1003,NPN,300MW,2	
5	QM702	0504-000118 TR-DIGITAL;KSR1003,NPN,300MW,2	
5	QM703	0504-000118 TR-DIGITAL;KSR1003,NPN,300MW,2	
5	QM102	0504-000142 TR-DIGITAL;KSR2001,PNP,300MW,4	
5	ICM605	1203-000642 IC-RESET;572,TO-92,3P,-,PLASTI	
5	RM344	2001-000004 R-CARBON;200KOHM,5%,1/8W,AA,TP	
5	RM323	2001-000008 R-CARBON;15KOHM,5%,1/8W,AA,TP,1.8x3.2MM	
5	RM334	2001-000008 R-CARBON;15KOHM,5%,1/8W,AA,TP,1.8x3.2MM	
5	RM622	2001-000010 R-CARBON;68Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5	RM346	2001-000012 R-CARBON;680Kohm,5%,1/8W,AA,TP,1.8x3.2m	
5	R707	2001-000037 R-CARBON(S);330OHM,5%,1/2W,AA,	
5	RM101	2001-000109 R-CARBON(S);470OHM,5%,1/2W,AA,	
5	RM667	2001-000118 R-CARBON(S);180OHM,5%,1/2W,AA,	
5	RM311	2001-000221 R-CARBON;1.2KOHM,5%,1/8W,AA,TP	
5	RM318	2001-000221 R-CARBON;1.2KOHM,5%,1/8W,AA,TP	
5	RM347	2001-000221 R-CARBON;1.2KOHM,5%,1/8W,AA,TP	
5	RM340	2001-000241 R-CARBON;1.5KOHM,5%,1/8W,AA,TP	
5	RM348	2001-000241 R-CARBON;1.5KOHM,5%,1/8W,AA,TP	
5	RM309	2001-000258 R-CARBON;1.8Kohm,5%,1/8W,AA,TP,1.8x3.2m	
5	RM336	2001-000258 R-CARBON;1.8Kohm,5%,1/8W,AA,TP,1.8x3.2m	
5	RM338	2001-000258 R-CARBON;1.8Kohm,5%,1/8W,AA,TP,1.8x3.2m	
5	RM349	2001-000258 R-CARBON;1.8Kohm,5%,1/8W,AA,TP,1.8x3.2m	
5	RZ21	2001-000273 R-CARBON;100KOHM,5%,1/8W,AA,TP	
5	RM686	2001-000273 R-CARBON;100KOHM,5%,1/8W,AA,TP	
5	R104	2001-000281 R-CARBON;100OHM,5%,1/8W,AA,TP,	
5	R105	2001-000281 R-CARBON;100OHM,5%,1/8W,AA,TP,	
5	R215	2001-000281 R-CARBON;100OHM,5%,1/8W,AA,TP,	
5	R220	2001-000281 R-CARBON;100OHM,5%,1/8W,AA,TP,	
5	R223	2001-000281 R-CARBON;100OHM,5%,1/8W,AA,TP,	
5	R227	2001-000281 R-CARBON;100OHM,5%,1/8W,AA,TP,	
5	R233	2001-000281 R-CARBON;100OHM,5%,1/8W,AA,TP,	
5	R234	2001-000281 R-CARBON;100OHM,5%,1/8W,AA,TP,	
5	R235	2001-000281 R-CARBON;100OHM,5%,1/8W,AA,TP,	
5	R601	2001-000281 R-CARBON;100OHM,5%,1/8W,AA,TP,	
5	R602	2001-000281 R-CARBON;100OHM,5%,1/8W,AA,TP,	
5	R605	2001-000281 R-CARBON;100OHM,5%,1/8W,AA,TP,	
5	R606	2001-000281 R-CARBON;100OHM,5%,1/8W,AA,TP,	
5	R901	2001-000281 R-CARBON;100OHM,5%,1/8W,AA,TP,	
5	R902	2001-000281 R-CARBON;100OHM,5%,1/8W,AA,TP,	
5	R903	2001-000281 R-CARBON;100OHM,5%,1/8W,AA,TP,	
5	R904	2001-000281 R-CARBON;100OHM,5%,1/8W,AA,TP,	
5	R905	2001-000281 R-CARBON;100OHM,5%,1/8W,AA,TP,	
5	R906	2001-000281 R-CARBON;100OHM,5%,1/8W,AA,TP,	
5	R907	2001-000281 R-CARBON;100OHM,5%,1/8W,AA,TP,	
5	R908	2001-000281 R-CARBON;100OHM,5%,1/8W,AA,TP,	
5	R909	2001-000281 R-CARBON;100OHM,5%,1/8W,AA,TP,	
5	R910	2001-000281 R-CARBON;100OHM,5%,1/8W,AA,TP,	
5	R911	2001-000281 R-CARBON;100OHM,5%,1/8W,AA,TP,	
5	R912	2001-000281 R-CARBON;100OHM,5%,1/8W,AA,TP,	
5	R913	2001-000281 R-CARBON;100OHM,5%,1/8W,AA,TP,	
5	R914	2001-000281 R-CARBON;100OHM,5%,1/8W,AA,TP,	
5	R915	2001-000281 R-CARBON;100OHM,5%,1/8W,AA,TP,	
5	R916	2001-000281 R-CARBON;100OHM,5%,1/8W,AA,TP,	

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5	R917	2001-000281 R-CARBON;100OHM,5%,1/8W,AA,TP,	
5	R934	2001-000281 R-CARBON;100OHM,5%,1/8W,AA,TP,	
5	RM301	2001-000281 R-CARBON;100OHM,5%,1/8W,AA,TP,	
5	RM341	2001-000281 R-CARBON;100OHM,5%,1/8W,AA,TP,	
5	RM342	2001-000281 R-CARBON;100OHM,5%,1/8W,AA,TP,	
5	RM359	2001-000281 R-CARBON;100OHM,5%,1/8W,AA,TP,	
5	RM510	2001-000281 R-CARBON;100OHM,5%,1/8W,AA,TP,	
5	RM511	2001-000281 R-CARBON;100OHM,5%,1/8W,AA,TP,	
5	RM618	2001-000281 R-CARBON;100OHM,5%,1/8W,AA,TP,	
5	RM628	2001-000281 R-CARBON;100OHM,5%,1/8W,AA,TP,	
5	RM629	2001-000281 R-CARBON;100OHM,5%,1/8W,AA,TP,	
5	RM630	2001-000281 R-CARBON;100OHM,5%,1/8W,AA,TP,	
5	RZ30	2001-000290 R-CARBON;10KOHM,5%,1/8W,AA,TP,	
5	R708	2001-000290 R-CARBON;10KOHM,5%,1/8W,AA,TP,	
5	R936	2001-000290 R-CARBON;10KOHM,5%,1/8W,AA,TP,	
5	RM310	2001-000290 R-CARBON;10KOHM,5%,1/8W,AA,TP,	
5	RM313	2001-000290 R-CARBON;10KOHM,5%,1/8W,AA,TP,	
5	RM351	2001-000290 R-CARBON;10KOHM,5%,1/8W,AA,TP,	
5	RM354	2001-000290 R-CARBON;10KOHM,5%,1/8W,AA,TP,	
5	RM607	2001-000290 R-CARBON;10KOHM,5%,1/8W,AA,TP,	
5	RM642	2001-000290 R-CARBON;10KOHM,5%,1/8W,AA,TP,	
5	RM644	2001-000290 R-CARBON;10KOHM,5%,1/8W,AA,TP,	
5	RM646	2001-000290 R-CARBON;10KOHM,5%,1/8W,AA,TP,	
5	RM665	2001-000290 R-CARBON;10KOHM,5%,1/8W,AA,TP,	
5	RM674	2001-000290 R-CARBON;10KOHM,5%,1/8W,AA,TP,	
5	RM681	2001-000290 R-CARBON;10KOHM,5%,1/8W,AA,TP,	
5	RM682	2001-000290 R-CARBON;10KOHM,5%,1/8W,AA,TP,	
5	RM683	2001-000290 R-CARBON;10KOHM,5%,1/8W,AA,TP,	
5	RM684	2001-000290 R-CARBON;10KOHM,5%,1/8W,AA,TP,	
5	RM689	2001-000290 R-CARBON;10KOHM,5%,1/8W,AA,TP,	
5	RM704	2001-000290 R-CARBON;10KOHM,5%,1/8W,AA,TP,	
5	RM515	2001-000347 R-CARBON;13KOHM,5%,1/8W,AA,TP,	
5	RM315	2001-000362 R-CARBON;150OHM,5%,1/8W,AA,TP,	
5	RM308	2001-000405 R-CARBON;180OHM,5%,1/8W,AA,TP,	
5	RM352	2001-000411 R-CARBON;18KOHM,5%,1/8W,AA,TP,	
5	RM353	2001-000411 R-CARBON;18KOHM,5%,1/8W,AA,TP,	
5	RZ16	2001-000429 R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5	RZ17	2001-000429 R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5	RZ40	2001-000429 R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5	R935	2001-000429 R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5	RM103	2001-000429 R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5	RM305	2001-000429 R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5	RM306	2001-000429 R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5	RM317	2001-000429 R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5	RM508	2001-000429 R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5	RM512	2001-000429 R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5	RM513	2001-000429 R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5	RM516	2001-000429 R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5	RM605	2001-000429 R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5	RM608	2001-000429 R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5	RM609	2001-000429 R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5	RM610	2001-000429 R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5	RM611	2001-000429 R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5	RM612	2001-000429 R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5	RM621	2001-000429 R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5	RM625	2001-000429 R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5	RM626	2001-000429 R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5	RM627	2001-000429 R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5	RM632	2001-000429 R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5	RM633	2001-000429 R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5	RM634	2001-000429 R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5	RM635	2001-000429 R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5	RM636	2001-000429 R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5	RM637	2001-000429 R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5	RM638	2001-000429 R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5	RM639	2001-000429 R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5	RM640	2001-000429 R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5	RM641	2001-000429 R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5	RM643	2001-000429 R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5	RM645	2001-000429 R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5	RM647	2001-000429 R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5	RM648	2001-000429 R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5	RM649	2001-000429 R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5	RM653	2001-000429 R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5	RM654	2001-000429 R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5	RM655	2001-000429 R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5	RM656	2001-000429 R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	



Loc. No.	Code No.	Description ; Specification	Remark
5	RM658	2001-000429 R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5	RM664	2001-000429 R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5	RM668	2001-000429 R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5	RM671	2001-000429 R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5	RM679	2001-000429 R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5	RM680	2001-000429 R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5	R918	2001-000449 R-CARBON;2.2KOHM,5%,1/8W,AA,TP	
5	R928	2001-000449 R-CARBON;2.2KOHM,5%,1/8W,AA,TP	
5	R929	2001-000449 R-CARBON;2.2KOHM,5%,1/8W,AA,TP	
5	R930	2001-000449 R-CARBON;2.2KOHM,5%,1/8W,AA,TP	
5	RM102	2001-000449 R-CARBON;2.2KOHM,5%,1/8W,AA,TP	
5	RM345	2001-000449 R-CARBON;2.2KOHM,5%,1/8W,AA,TP	
5	RM303	2001-000458 R-CARBON;2.2OHM,1/8W,AA,TP,1.8x3.2mm	
5	R515	2001-000472 R-CARBON;2.7KOHM,5%,1/8W,AA,TP	
5	RM506	2001-000472 R-CARBON;2.7KOHM,5%,1/8W,AA,TP	
5	R102	2001-000490 R-CARBON;200OHM,5%,1/8W,AA,TP	
5	R933	2001-000490 R-CARBON;200OHM,5%,1/8W,AA,TP	
5	RM343	2001-000508 R-CARBON;220KOHM,5%,1/8W,AA,TP	
5	R231	2001-000515 R-CARBON;220OHM,5%,1/8W,AA,TP	
5	R711	2001-000515 R-CARBON;220OHM,5%,1/8W,AA,TP	
5	RM669	2001-000515 R-CARBON;220OHM,5%,1/8W,AA,TP	
5	RM670	2001-000515 R-CARBON;220OHM,5%,1/8W,AA,TP	
5	R211	2001-000522 R-CARBON;22KOHM,5%,1/8W,AA,TP	
5	RM302	2001-000522 R-CARBON;22KOHM,5%,1/8W,AA,TP	
5	RM320	2001-000522 R-CARBON;22KOHM,5%,1/8W,AA,TP	
5	RM602	2001-000522 R-CARBON;22KOHM,5%,1/8W,AA,TP	
5	RM604	2001-000522 R-CARBON;22KOHM,5%,1/8W,AA,TP	
5	RM666	2001-000522 R-CARBON;22KOHM,5%,1/8W,AA,TP	
5	R106	2001-000554 R-CARBON;270OHM,5%,1/8W,AA,TP	
5	RM361	2001-000554 R-CARBON;270OHM,5%,1/8W,AA,TP	
5	RM601	2001-000554 R-CARBON;270OHM,5%,1/8W,AA,TP	
5	RM603	2001-000554 R-CARBON;270OHM,5%,1/8W,AA,TP	
5	R219	2001-000563 R-CARBON;27KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
5	R222	2001-000563 R-CARBON;27KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
5	RM304	2001-000563 R-CARBON;27KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
5	RM316	2001-000563 R-CARBON;27KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
5	R225	2001-000591 R-CARBON;3.3KOHM,5%,1/8W,AA,TP	
5	RM688	2001-000613 R-CARBON;3.9KOHM,5%,1/8W,AA,TP	
5	RM678	2001-000633 R-CARBON;30KOHM,5%,1/8W,AA,TP	
5	R232	2001-000645 R-CARBON;330KOHM,5%,1/8W,AA,TP	
5	RM314	2001-000645 R-CARBON;330KOHM,5%,1/8W,AA,TP	
5	RM507	2001-000660 R-CARBON;33KOHM,5%,1/8W,AA,TP	
5	RM617	2001-000660 R-CARBON;33KOHM,5%,1/8W,AA,TP	
5	RM514	2001-000679 R-CARBON;36KOHM,5%,1/8W,AA,TP	
5	R103	2001-000702 R-CARBON;39KOHM,5%,1/8W,AA,TP	
5	R218	2001-000702 R-CARBON;39KOHM,5%,1/8W,AA,TP	
5	R919	2001-000734 R-CARBON;4.7KOHM,5%,1/8W,AA,TP	
5	R920	2001-000734 R-CARBON;4.7KOHM,5%,1/8W,AA,TP	
5	R921	2001-000734 R-CARBON;4.7KOHM,5%,1/8W,AA,TP	
5	R922	2001-000734 R-CARBON;4.7KOHM,5%,1/8W,AA,TP	
5	R923	2001-000734 R-CARBON;4.7KOHM,5%,1/8W,AA,TP	
5	R924	2001-000734 R-CARBON;4.7KOHM,5%,1/8W,AA,TP	
5	R926	2001-000734 R-CARBON;4.7KOHM,5%,1/8W,AA,TP	
5	R927	2001-000734 R-CARBON;4.7KOHM,5%,1/8W,AA,TP	
5	R931	2001-000734 R-CARBON;4.7KOHM,5%,1/8W,AA,TP	
5	R932	2001-000734 R-CARBON;4.7KOHM,5%,1/8W,AA,TP	
5	RM360	2001-000734 R-CARBON;4.7KOHM,5%,1/8W,AA,TP	
5	RM650	2001-000734 R-CARBON;4.7KOHM,5%,1/8W,AA,TP	
5	RM651	2001-000734 R-CARBON;4.7KOHM,5%,1/8W,AA,TP	
5	RM652	2001-000734 R-CARBON;4.7KOHM,5%,1/8W,AA,TP	
5	RM319	2001-000766 R-CARBON;43KOHM,5%,1/8W,AA,TP	
5	RM307	2001-000780 R-CARBON;470ohm,5%,1/8W,AA,TP,1.8x3.2mm	
5	RM322	2001-000780 R-CARBON;470ohm,5%,1/8W,AA,TP,1.8x3.2mm	
5	RM339	2001-000780 R-CARBON;470ohm,5%,1/8W,AA,TP,1.8x3.2mm	
5	RM502	2001-000786 R-CARBON;47KOHM,5%,1/8W,AA,TP	
5	RM503	2001-000786 R-CARBON;47KOHM,5%,1/8W,AA,TP	
5	RM615	2001-000786 R-CARBON;47KOHM,5%,1/8W,AA,TP	
5	R603	2001-000812 R-CARBON;5.6Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5	R604	2001-000812 R-CARBON;5.6Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5	RM312	2001-000812 R-CARBON;5.6Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5	RM331	2001-000832 R-CARBON;510OHM,5%,1/8W,AA,TP	
5	RM332	2001-000832 R-CARBON;510OHM,5%,1/8W,AA,TP	
5	RM659	2001-000832 R-CARBON;510OHM,5%,1/8W,AA,TP	
5	R236	2001-000850 R-CARBON;560Kohm,5%,1/8W,AA,TP,1.8x3.2m	
5	RM606	2001-000850 R-CARBON;560Kohm,5%,1/8W,AA,TP,1.8x3.2m	
5	R101	2001-000864 R-CARBON;56Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5	RM613	2001-000864 R-CARBON;56Kohm,5%,1/8W,AA,TP,1.8x3.2mm	

Loc. No.	Code No.	Description ; Specification	Remark
5	RM614	2001-000864 R-CARBON;56Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5	RM687	2001-000864 R-CARBON;56Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5	RM335	2001-000878 R-CARBON;6.2KOHM,5%,1/8W,AA,TP	
5	RM509	2001-000878 R-CARBON;6.2KOHM,5%,1/8W,AA,TP	
5	R238	2001-000938 R-CARBON ;68ohm,5%,1/8W,AA,TP,1.8x3.2mm	
5	R226	2001-000969 R-CARBON;75OHM,5%,1/8W,AA,TP,1	
5	R228	2001-000969 R-CARBON;75OHM,5%,1/8W,AA,TP,1	
5	R229	2001-000969 R-CARBON;75OHM,5%,1/8W,AA,TP,1	
5	R706	2001-000969 R-CARBON;75OHM,5%,1/8W,AA,TP,1	
5	R709	2001-000969 R-CARBON;75OHM,5%,1/8W,AA,TP,1	
5	RM357	2001-000969 R-CARBON;75OHM,5%,1/8W,AA,TP,1	
5	RM350	2001-000977 R-CARBON;8.2Kohm,5%,1/8W,AA,TP,1.8x3.2m	
5	RM501	2001-000977 R-CARBON;8.2Kohm,5%,1/8W,AA,TP,1.8x3.2m	
5	RM504	2001-000977 R-CARBON;8.2Kohm,5%,1/8W,AA,TP,1.8x3.2m	
5	RM106	2001-001077 R-CARBON(S);150OHM,5%,1/2W,AA,	
5	RM701	2001-001077 R-CARBON(S);150OHM,5%,1/2W,AA,	
5	RM702	2001-001077 R-CARBON(S);150OHM,5%,1/2W,AA,	
5	RM703	2001-001077 R-CARBON(S);150OHM,5%,1/2W,AA,	
5	R701	2001-001088 R-CARBON(S);1KOHM,5%,1/2W,AA,TP,2.4X6.4	
5	R702	2001-001088 R-CARBON(S);1KOHM,5%,1/2W,AA,TP,2.4X6.4	
5	RM104	2001-001107 R-CARBON(S);220OHM,5%,1/2W,AA,	
5	RM355	2001-001108 R-CARBON(S);22KOHM,5%,1/2W,AA,	
5	RM356	2001-001114 R-CARBON(S);270OHM,5%,1/2W,AA,	
5	R201	2001-001195 R-CARBON(S);820OHM,5%,1/2W,AA,T	
5	R107	2003-000493 R-METAL OXIDE(S);12ohm,5%,2W,AF,TP,4x12m	
5	R712	2003-001090 R-METALOXIDE;RS2RT(S)103-J10K	
5	R713	2003-001090 R-METALOXIDE;RS2RT(S)103-J10K	
5	RM505	2004-000500 R-METAL;2.7Kohm,1%,1/8W,AA,TP,1.8x3.2m	
5	RM619	2008-000253 R-FUSIBLE(S);0.470HM,5%,1W,AF,	
5	CM335	2201-000262 C-CERAMIC,DISC;180PF,10%,50V,Y	
5	CM337	2201-000262 C-CERAMIC,DISC;180PF,10%,50V,Y	
5	CM352	2201-000262 C-CERAMIC,DISC;180PF,10%,50V,Y	
5	CM318	2201-000863 c-CERAMIC,DISC;680PF,10%,50V,Y	
5	CM636	2202-000121 C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
5	C233	2202-000127 C-CERAMIC,MLC-AXIAL;10NF,+80-2	
5	C712	2202-000127 C-CERAMIC,MLC-AXIAL;10NF,+80-2	
5	CM333	2202-000127 C-CERAMIC,MLC-AXIAL;10NF,+80-2	
5	CM351	2202-000127 C-CERAMIC,MLC-AXIAL;10NF,+80-2	
5	CM354	2202-000127 C-CERAMIC,MLC-AXIAL;10NF,+80-2	
5	CM361	2202-000127 C-CERAMIC,MLC-AXIAL;10NF,+80-2	
5	CM513	2202-000127 C-CERAMIC,MLC-AXIAL;10NF,+80-2	
5	CM514	2202-000127 C-CERAMIC,MLC-AXIAL;10NF,+80-2	
5	CM601	2202-000127 C-CERAMIC,MLC-AXIAL;10NF,+80-2	
5	CM612	2202-000127 C-CERAMIC,MLC-AXIAL;10NF,+80-2	
5	CM617	2202-000127 C-CERAMIC,MLC-AXIAL;10NF,+80-2	
5	CM621	2202-000127 C-CERAMIC,MLC-AXIAL;10NF,+80-2	
5	CM630	2202-000127 C-CERAMIC,MLC-AXIAL;10NF,+80-2	
5	CM631	2202-000127 C-CERAMIC,MLC-AXIAL;10NF,+80-2	
5	CM644	2202-000127 C-CERAMIC,MLC-AXIAL;10NF,+80-2	
5	C219	2202-000183 C-CERAMIC;CKOAX7R16VT222-MEP05	
5	C221	2202-000183 C-CERAMIC;CKOAX7R16VT222-MEP05	
5	C247	2202-000183 C-CERAMIC;CKOAX7R16VT222-MEP05	
5	CM541	2202-000183 C-CERAMIC;CKOAX7R16VT222-MEP05	
5	CM542	2202-000183 C-CERAMIC;CKOAX7R16VT222-MEP05	
5	CM632	2202-000183 C-CERAMIC;CKOAX7R16VT222-MEP05	
5	CM633	2202-000183 C-CERAMIC;CKOAX7R16VT222-MEP05	
5	CM609	2202-000205 C-CERAMIC,MLC-AXIAL;22PF,5%,50	
5	CM610	2202-000205 C-CERAMIC,MLC-AXIAL;22PF,5%,50	
5	C101	2202-000231 C-CERAMIC,MLC-AXIAL;330PF,10%,50V,Y5P,3.	
5	C102	2202-000231 C-CERAMIC,MLC-AXIAL;330PF,10%,50V,Y5P,3.	
5	CM634	2202-000263 C-CERAMIC,MLC-AXIAL;470PF,10%,50V,Y5P,3.	
5	C905	2202-000279 C-CERAMIC,MLC-AXIAL;47PF,5%,50	
5	C906	2202-000279 C-CERAMIC,MLC-AXIAL;47PF,5%,50	
5	C248	2202-000286 C-CERAMIC,MLC-AXIAL;56PF,5%,50	
5	CM350	2202-000286 C-CERAMIC,MLC-AXIAL;56PF,5%,50	
5	C241	2202-000632 C-CERAMIC,MLC-AXIAL;100nF,20%,50V,Z5U,TP	
5	CM103	2202-000632 C-CERAMIC,MLC-AXIAL;100nF,20%,50V,Z5U,TP	
5	CM301	2202-000632 C-CERAMIC,MLC-AXIAL;100nF,20%,50V,Z5U,TP	
5	CM303	2202-000632 C-CERAMIC,MLC-AXIAL;100nF,20%,50V,Z5U,TP	
5	CM339	2202-000632 C-CERAMIC,MLC-AXIAL;100nF,20%,50V,Z5U,TP	
5	CM344	2202-000632 C-CERAMIC,MLC-AXIAL;100nF,20%,50V,Z5U,TP	
5	CM363	2202-000632 C-CERAMIC,MLC-AXIAL;100nF,20%,50V,Z5U,TP	
5	CM364	2202-000632 C-CERAMIC,MLC-AXIAL;100nF,20%,50V,Z5U,TP	
5	CM606	2202-000632 C-CERAMIC,MLC-AXIAL;100nF,20%,50V,Z5U,TP	
5	CM613	2202-000632 C-CERAMIC,MLC-AXIAL;100nF,20%,50V,Z5U,TP	
5	CM615	2202-000632 C-CERAMIC,MLC-AXIAL;100nF,20%,50V,Z5U,TP	
5	CM625	2202-000632 C-CERAMIC,MLC-AXIAL;100nF,20%,50V,Z5U,TP	

Electric Parts List

Loc. No.	Code No.	Description ; Specification	Remark
5	CM628	2202-000632 C-CERAMIC,MLC-AXIAL;100nF,20%,50V,Z5U,TP	
5	CM629	2202-000632 C-CERAMIC,MLC-AXIAL;100nF,20%,50V,Z5U,TP	
5	CM638	2202-000632 C-CERAMIC,MLC-AXIAL;100nF,20%,50V,Z5U,TP	
5	CM642	2202-000632 C-CERAMIC,MLC-AXIAL;100nF,20%,50V,Z5U,TP	
5	CM701	2202-000632 C-CERAMIC,MLC-AXIAL;100nF,20%,50V,Z5U,TP	
5	CM645	2202-000718 C-CERAMIC,MLC-AXIAL;3.9nF,20%,16V,Y5R,TP	
5	CM646	2202-000718 C-CERAMIC,MLC-AXIAL;3.9nF,20%,16V,Y5R,TP	
5	C226	2202-000796 C-CERAMIC,MLC-AXIAL;1nF,10%,50	
5	C227	2202-000796 C-CERAMIC,MLC-AXIAL;1nF,10%,50	
5	CM366	2202-000796 C-CERAMIC,MLC-AXIAL;1nF,10%,50	
5	CM659	2202-000796 C-CERAMIC,MLC-AXIAL;1nF,10%,50	
5	CM660	2202-000796 C-CERAMIC,MLC-AXIAL;1nF,10%,50	
5	CM640	2202-000806 C-CERAMIC,MLC-AXIAL;220pF,10%,50V,Y5P,TP	
5	C218	2202-000807 C-CERAMIC,MLC-AXIAL;22nF,+80-20%,25V,Y5V	
5	C223	2202-000807 C-CERAMIC,MLC-AXIAL;22nF,+80-20%,25V,Y5V	
5	C234	2202-000807 C-CERAMIC,MLC-AXIAL;22nF,+80-20%,25V,Y5V	
5	C250	2202-000807 C-CERAMIC,MLC-AXIAL;22nF,+80-20%,25V,Y5V	
5	C902	2202-000807 C-CERAMIC,MLC-AXIAL;22nF,+80-20%,25V,Y5V	
5	C908	2202-000807 C-CERAMIC,MLC-AXIAL;22nF,+80-20%,25V,Y5V	
5	CM362	2202-000807 C-CERAMIC,MLC-AXIAL;22nF,+80-20%,25V,Y5V	
5	CM520	2202-000807 C-CERAMIC,MLC-AXIAL;22nF,+80-20%,25V,Y5V	
5	CM620	2202-000807 C-CERAMIC,MLC-AXIAL;22nF,+80-20%,25V,Y5V	
5	CM647	2202-000807 C-CERAMIC,MLC-AXIAL;22nF,+80-20%,25V,Y5V	
5	CM648	2202-000807 C-CERAMIC,MLC-AXIAL;22nF,+80-20%,25V,Y5V	
5	CM649	2202-000807 C-CERAMIC,MLC-AXIAL;22nF,+80-20%,25V,Y5V	
5	C104	2202-002037 C-CERAMIC,MLC-AXIAL;100nF,+80-20	
5	C106	2202-002037 C-CERAMIC,MLC-AXIAL;100nF,+80-20	
5	C618	2202-002037 C-CERAMIC,MLC-AXIAL;100nF,+80-20	
5	C910	2202-002037 C-CERAMIC,MLC-AXIAL;100nF,+80-20	
5	C912	2202-002037 C-CERAMIC,MLC-AXIAL;100nF,+80-20	
5	CM104	2202-002037 C-CERAMIC,MLC-AXIAL;100nF,+80-20	
5	CM109	2202-002037 C-CERAMIC,MLC-AXIAL;100nF,+80-20	
5	CM355	2202-002037 C-CERAMIC,MLC-AXIAL;100nF,+80-20	
5	CM357	2202-002037 C-CERAMIC,MLC-AXIAL;100nF,+80-20	
5	CM501	2202-002037 C-CERAMIC,MLC-AXIAL;100nF,+80-20	
5	CM511	2202-002037 C-CERAMIC,MLC-AXIAL;100nF,+80-20	
5	CM515	2202-002037 C-CERAMIC,MLC-AXIAL;100nF,+80-20	
5	CM517	2202-002037 C-CERAMIC,MLC-AXIAL;100nF,+80-20	
5	CM528	2202-002037 C-CERAMIC,MLC-AXIAL;100nF,+80-20	
5	CM529	2202-002037 C-CERAMIC,MLC-AXIAL;100nF,+80-20	
5	CM530	2202-002037 C-CERAMIC,MLC-AXIAL;100nF,+80-20	
5	CM532	2202-002037 C-CERAMIC,MLC-AXIAL;100nF,+80-20	
5	CM535	2202-002037 C-CERAMIC,MLC-AXIAL;100nF,+80-20	
5	CM512	2301-000104 C-FILM,PEF;1.2nF,5%,50V,6.5X3.0X5.5MM,5M	
5	CM306	2301-000160 C-FILM,PEF;12nF,5%,50V,11.0X6.	
5	C215	2301-000192 C-FILM,PEF;1nF,5%,50V,5.3X10MM	
5	C232	2301-000192 C-FILM,PEF;1nF,5%,50V,5.3X10MM	
5	CM510	2301-000224 C-FILM,PEF;22nF,5%,50V,7.4X3.9	
5	CM538	2301-000224 C-FILM,PEF;22nF,5%,50V,7.4X3.9	
5	C614	2301-000232 C-FILM,PEF;3.3nF,5%,50V,8.1X4.	
5	C615	2301-000232 C-FILM,PEF;3.3nF,5%,50V,8.1X4.	
5	CM604	2301-000232 C-FILM,PEF;3.3nF,5%,50V,8.1X4.	
5	CM305	2301-000254 C-FILM,PEF;39nF,5%,50V,7.5X3.5X6.5MM,5MM	
5	CM308	2301-000301 C-FILM,PEF;6.8nF,5%,50V,6.5X5.	
5	CM321	2301-000301 C-FILM,PEF;6.8nF,5%,50V,6.5X5.	
5	CM603	2301-000310 C-FILM,PEF;68nF,5%,50V,8.0X8.5	
5	CM623	2301-000310 C-FILM,PEF;68nF,5%,50V,8.0X8.5	
5	CM313	2301-000314 C-FILM,PEF;8.2nF,5%,50V,6.5X3.	
5	CM320	2301-000314 C-FILM,PEF;8.2nF,5%,50V,6.5X3.	
5	CM317	2301-000342 C-FILM,PEF;2.2nF,5%,50V,TP,7.4x3.9x13mm,	
5	C610	2301-000356 C-FILM,PEF;47nF,5%,50V,TP,7.5x4.0x6.5,5m	
5	C611	2301-000356 C-FILM,PEF;47nF,5%,50V,TP,7.5x4.0x6.5,5m	
5	C612	2301-000356 C-FILM,PEF;47nF,5%,50V,TP,7.5x4.0x6.5,5m	
5	C613	2301-000356 C-FILM,PEF;47nF,5%,50V,TP,7.5x4.0x6.5,5m	
5	CM367	2301-000356 C-FILM,PEF;47nF,5%,50V,TP,7.5x4.0x6.5,5m	
5	CM368	2301-000356 C-FILM,PEF;47nF,5%,50V,TP,7.5x4.0x6.5,5m	
5	CM369	2301-000356 C-FILM,PEF;47nF,5%,50V,TP,7.5x4.0x6.5,5m	
5	CM314	2301-000383 C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm	
5	CM322	2301-000383 C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm	
5	CM331	2301-000383 C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm	
5	CM332	2301-000383 C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm	
5	C231	2305-000196 C-FILM,MPEF;150nF,5%,63V,TP,-,5mm	
5	C239	2305-000196 C-FILM,MPEF;150nF,5%,63V,TP,-,5mm	
5	C240	2305-000196 C-FILM,MPEF;150nF,5%,63V,TP,-,5mm	
5	C913	2305-000289 C-FILM,MPEF;220nF,5%,63V,-,5MM	
5	C915	2305-000289 C-FILM,MPEF;220nF,5%,63V,-,5MM	
5	CM643	2305-000289 C-FILM,MPEF;220nF,5%,63V,-,5MM	

Loc. No.	Code No.	Description ; Specification	Remark
5	C601	2305-000412 C-FILM,MPEF;470nF,5%,63V,-,5MM	
5	C602	2305-000412 C-FILM,MPEF;470nF,5%,63V,-,5MM	
5	C603	2305-000412 C-FILM,MPEF;470nF,5%,63V,-,5MM	
5	C604	2305-000412 C-FILM,MPEF;470nF,5%,63V,-,5MM	
5	C605	2305-000412 C-FILM,MPEF;470nF,5%,63V,-,5MM	
5	C606	2305-000412 C-FILM,MPEF;470nF,5%,63V,-,5MM	
5	C607	2305-000412 C-FILM,MPEF;470nF,5%,63V,-,5MM	
5	C621	2305-000412 C-FILM,MPEF;470nF,5%,63V,-,5MM	
5	C904	2305-000412 C-FILM,MPEF;470nF,5%,63V,-,5MM	
5	CM527	2305-000665 C-FILM;104J, 60V,5MM TAPING	
5	C914	2306-000122 C-FILM,MPPF;100nF,5%,50V,7.3X4	
5	CM312	2306-000122 C-FILM,MPPF;100nF,5%,50V,7.3X4	
5	C242	2401-002075 C-AL;4.7uF,20%,50V,GP,TP,5x11.5mm	
5	CM616	2401-000302 C-AL;100uF,20%,25V,GP,6X11MM,5	
5	CM315	2401-000426 C-AL;10uF,20%,16V,GP,TP,3.5x5.5	
5	CM343	2401-000426 C-AL;10uF,20%,16V,GP,TP,3.5x5.5	
5	CM345	2401-000426 C-AL;10uF,20%,16V,GP,TP,3.5x5.5	
5	CM502	2401-000426 C-AL;10uF,20%,50V,GP,TP,3.5x5.5	
5	CM508	2401-000426 C-AL;10uF,20%,16V,GP,TP,3.5x5.5	
5	CM509	2401-000426 C-AL;10uF,20%,16V,GP,TP,3.5x5.5	
5	CM521	2401-000426 C-AL;10uF,20%,16V,GP,TP,3.5x5.5	
5	CM522	2401-000426 C-AL;10uF,20%,16V,GP,TP,3.5x5.5	
5	CM539	2401-000426 C-AL;10uF,20%,16V,GP,TP,3.5x5.5	
5	C108	2401-000480 C-AL;10uF,20%,50V,GP,5X11MM,5M	
5	CM101	2401-000590 C-AL;1uF,20%,50V,GP,3X5MM,5MM,	
5	CM316	2401-000590 C-AL;1uF,20%,50V,GP,3X5MM,5MM,	
5	CM334	2401-000590 C-AL;1uF,20%,50V,GP,3X5MM,5MM,	
5	CM336	2401-000590 C-AL;1uF,20%,50V,GP,3X5MM,5MM,	
5	CM340	2401-000590 C-AL;1uF,20%,50V,GP,3X5MM,5MM,	
5	CM342	2401-000590 C-AL;1uF,20%,50V,GP,3X5MM,5MM,	
5	CM346	2401-000590 C-AL;1uF,20%,50V,GP,3X5MM,5MM,	
5	CM347	2401-000590 C-AL;1uF,20%,50V,GP,3X5MM,5MM,	
5	CM348	2401-000590 C-AL;1uF,20%,50V,GP,3X5MM,5MM,	
5	CM349	2401-000590 C-AL;1uF,20%,50V,GP,3X5MM,5MM,	
5	CM358	2401-000590 C-AL;1uF,20%,50V,GP,3X5MM,5MM,	
5	CM359	2401-000590 C-AL;1uF,20%,50V,GP,3X5MM,5MM,	
5	CM360	2401-000590 C-AL;1uF,20%,50V,GP,3X5MM,5MM,	
5	CM506	2401-000590 C-AL;1uF,20%,50V,GP,3X5MM,5MM,	
5	CM518	2401-000590 C-AL;1uF,20%,50V,GP,3X5MM,5MM,	
5	C220	2401-000603 C-AL;1uF,20%,50V,GP,5X11MM,5MM	
5	C711	2401-000603 C-AL;1uF,20%,50V,GP,5X11MM,5MM	
5	C222	2401-000660 C-ELECTROLYTIC;CE04WATAPG50V2.2	
5	C608	2401-000660 C-ELECTROLYTIC;CE04WATAPG50V2.2	
5	C609	2401-000660 C-ELECTROLYTIC;CE04WATAPG50V2.2	
5	CM533	2401-000660 C-ELECTROLYTIC;CE04WATAPG50V2.2	
5	CM519	2401-000753 C-AL;220nF,20%,50V,GP,TP,3x5.5	
5	CM525	2401-000753 C-AL;220nF,20%,50V,GP,TP,3x5.5	
5	C246	2401-000913 C-AL;22uF,20%,16V,GP,TP,5x11.5	
5	C617	2401-000913 C-AL;22uF,20%,16V,GP,TP,5x11.5	
5	CM304	2401-000922 C-AL;22uF,20%,16V,GP,TP,5x5.5	
5	CM341	2401-000922 C-AL;22uF,20%,16V,GP,TP,5x5.5	
5	CM526	2401-001026 C-AL;3.3uF,20%,50V,GP,5X11MM,5	
5	CM319	2401-001250 C-AL;4.7uF,20%,35V,GP,TP,4x5.5	
5	CM611	2401-001250 C-AL;4.7uF,20%,35V,GP,TP,4x5.5	
5	CM635	2401-001250 C-AL;4.7uF,20%,35V,GP,TP,4x5.5	
5	C103	2401-000025 C-ALUMINUM;100uF,20%,16V,GP,TP,6.3x11.5	
5	C705	2401-000025 C-ALUMINUM;100uF,20%,16V,GP,TP,6.3x11.5	
5	CM702	2401-000025 C-ALUMINUM;100uF,20%,16V,GP,TP,6.3x11.5	
5	CM543	2401-002009 C-AL;100uF,20%,16V,GP,TP,6.3X7	
5	CM637	2401-002009 C-AL;100uF,20%,16V,GP,TP,6.3X7	
5	CM311	2401-002069 C-AL;33uF,20%,16V,GP,TP,6.3x5.5	
5	CM507	2401-002069 C-AL;33uF,20%,16V,GP,TP,6.3x5.5	
5	CM523	2401-002069 C-AL;33uF,20%,16V,GP,TP,6.3x5.5	
5	CM524	2401-002075 C-AL;4.7uF,20%,50V,GP,TP,5x11.5mm	
5	CM307	2401-002144 C-AL;47uF,20%,16V,GP,TP,5x11.5	
5	CM531	2401-002144 C-AL;47uF,20%,16V,GP,TP,5x11.5	
5	CM536	2401-002144 C-AL;47uF,20%,16V,GP,TP,5x11.5	
5	C616	2401-000050 C-AL;10uF,20%,16V,GP,TP,5X11.2.5	
5	C619	2401-000050 C-AL;10uF,20%,16V,GP,TP,5X11.2.5	
5	C620	2401-000050 C-AL;10uF,20%,16V,GP,TP,5X11.2.5	
5	C903	2401-000050 C-AL;10uF,20%,16V,GP,TP,5X11.2.5	
5	C909	2401-000050 C-AL;10uF,20%,16V,GP,TP,5X11.2.5	
5	CM504	2401-000050 C-AL;10uF,20%,16V,GP,TP,5X11.2.5	
5	CM534	2401-000050 C-AL;10uF,20%,16V,GP,TP,5X11.2.5	
5	CM537	2401-000050 C-AL;10uF,20%,16V,GP,TP,5X11.2.5	
5	CM540	2401-000050 C-AL;10uF,20%,16V,GP,TP,5X11.2.5	
5	CM102	2401-002291 C-ELECTROLYTIC;CE04WATAPG16V47M	

Loc. No.	Code No.	Description ; Specification	Remark
5	CM108	2401-002291	C-ELECTROLYTIC;CE04WTAPG16V47M
5	CM302	2401-002291	C-ELECTROLYTIC;CE04WTAPG16V47M
5	CM338	2401-002291	C-ELECTROLYTIC;CE04WTAPG16V47M
5	CM353	2401-002291	C-ELECTROLYTIC;CE04WTAPG16V47M
5	CM356	2401-002291	C-ELECTROLYTIC;CE04WTAPG16V47M
5	CM365	2401-002291	C-ELECTROLYTIC;CE04WTAPG16V47M
5	CM516	2401-002291	C-ELECTROLYTIC;CE04WTAPG16V47M
5	CM614	2401-002291	C-ELECTROLYTIC;CE04WTAPG16V47M
5	CM639	2401-002291	C-ELECTROLYTIC;CE04WTAPG16V47M
5	CM503	2401-002299	C-AL;4.7UF,20%,50V,GP,TP,4X7,5
5	CM505	2401-002299	C-AL;4.7UF,20%,50V,GP,TP,4X7,5
5	C703	2401-002463	C-ELECTROLYTIC;CE04WTAPG16V470M-M(SG)-VE
5	C704	2401-002463	C-ELECTROLYTIC;CE04WTAPG16V470M-M(SG)-VE
5	C710	2401-002463	C-ELECTROLYTIC;CE04WTAPG16V470M-M(SG)-VE
5	CM622	2401-002463	C-ELECTROLYTIC;CE04WTAPG16V470M-M(SG)-VE
5	CM370	2401-002594	C-AL;220uF,20%,16V,GP,TP,8x11,5.5
5	C911	2401-002619	C-AL;47uF,20%,25V,GP,TP,5x11,5
5	CM105	2401-002619	C-AL;47uF,20%,25V,GP,TP,5x11,5
5	C216	2401-003102	C-AL;100uF,20%,10V,GP,TP,5x11,5
5	C235	2401-003102	C-AL;100uF,20%,10V,GP,TP,5x11,5
5	C249	2401-003102	C-AL;100uF,20%,10V,GP,TP,5x11,5
5	C901	2401-003102	C-AL;100uF,20%,10V,GP,TP,5x11,5
5	C907	2401-003102	C-AL;100uF,20%,10V,GP,TP,5x11,5
5	LM101	2701-000002	INDUCTOR-AXIAL;100UH,10%,4.2X9
5	LM302	2701-000002	INDUCTOR-AXIAL;100UH,10%,4.2X9
5	LM304	2701-000002	INDUCTOR-AXIAL;100UH,10%,4.2X9
5	LM305	2701-000002	INDUCTOR-AXIAL;100UH,10%,4.2X9
5	LM307	2701-000002	INDUCTOR-AXIAL;100UH,10%,4.2X9
5	LM601	2701-000002	INDUCTOR-AXIAL;100UH,10%,4.2X9
5	LM602	2701-000002	INDUCTOR-AXIAL;100UH,10%,4.2X9
5	LM301	2701-000112	INDUCTOR-AXIAL;100UH,10%,2.8X7
5	LM306	2701-000112	INDUCTOR-AXIAL;100UH,10%,2.8X7
5	LM502	2701-000112	INDUCTOR-AXIAL;100UH,10%,2.8X7
5	LM503	2701-000112	INDUCTOR-AXIAL;100UH,10%,2.8X7
5	LM504	2701-000112	INDUCTOR-AXIAL;100UH,10%,2.8X7
5	L102	2701-000114	INDUCTOR-AXIAL;10UH,10%,2.5X3
5	L201	2701-000114	INDUCTOR-AXIAL;10UH,10%,2.5X3
5	L202	2701-000114	INDUCTOR-AXIAL;10UH,10%,2.5X3
5	L203	2701-000114	INDUCTOR-AXIAL;10UH,10%,2.5X3
5	L601	2701-000114	INDUCTOR-AXIAL;10UH,10%,2.5X3
5	L901	2701-000114	INDUCTOR-AXIAL;10UH,10%,2.5X3
5	L902	2701-000114	INDUCTOR-AXIAL;10UH,10%,2.5X3
5	L904	2701-000114	INDUCTOR-AXIAL;10UH,10%,2.5X3
5	LM604	2701-000115	INDUCTOR-AXIAL;10UH,10%,2.8X7M
5	LM605	2701-000115	INDUCTOR-AXIAL;10UH,10%,2.8X7M
5	LM501	2701-000123	INDUCTOR-AXIAL;150UH,10%,2.5x3,4mm
5	LM303	2702-000120	INDUCTOR-RADIAL;15MH,5%,6.2X7
5	XTM301	2801-003610	CRISTAL-UNIT 3.57MHZ
5	XTM601	2801-003750	CRYSTAL-UNIT;8MHZ,30PPM,28-AAA,22PF,800H
5	T101	2903-000135	FILTER-CERAMIC;BP,4.5MHZ
5	BDM601	3301-000287	CORE-FERRITEBEAD;AA,3.5X1.0X6
5	SWM701	3404-000244	SWITCH-TACT;15V,20MA,90-170GF
5	SWM702	3404-000244	SWITCH-TACT;15V,20MA,90-170GF
5	SWM703	3404-000244	SWITCH-TACT;15V,20MA,90-170GF
5	SWM704	3404-000244	SWITCH-TACT;15V,20MA,90-170GF
5	SWM705	3404-000244	SWITCH-TACT;15V,20MA,90-170GF
5	SWM706	3404-000244	SWITCH-TACT;15V,20MA,90-170GF
5	SWM707	3404-000244	SWITCH-TACT;15V,20MA,90-170GF
5	SWM708	3404-000244	SWITCH-TACT;15V,20MA,90-170GF
5	SWM709	3404-000244	SWITCH-TACT;15V,20MA,90-170GF
5	SWM710	3404-000244	SWITCH-TACT;15V,20MA,90-170GF
5	J001	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A
5	J002	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A
5	J003	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A
5	J004	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A
5	J005	3812-000219	JUMPER-WIRE-SO,COPPER;TA0

[illegible]

## Electric Parts List

Loc. No.	Code No.	Description ; Specification	Remark
5	JM050	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM051	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM052	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM053	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM054	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM055	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM056	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM057	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM058	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM059	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM060	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM061	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM062	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM063	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM064	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM065	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM067	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM068	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM069	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM070	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM071	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM072	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM073	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM074	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM075	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM076	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM077	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM078	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM079	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM080	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM081	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM082	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM083	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM084	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM085	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM086	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM087	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM088	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM089	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM090	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM091	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM093	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM094	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM095	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM096	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM097	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM098	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM099	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM100	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM101	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM102	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM103	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM104	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM105	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM108	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM109	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM110	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM111	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM112	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM113	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM114	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM116	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM117	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM118	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM120	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM121	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM122	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JM123	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	EY01	6042-000002 EYELET;IDI.5,OD2,L3.1,SN,BSS3-E/EH	
5	EY02	6042-000002 EYELET;IDI.5,OD2,L3.1,SN,BSS3-E/EH	
5	EY03	6042-000002 EYELET;IDI.5,OD2,L3.1,SN,BSS3-E/EH	
5	EY04	6042-000002 EYELET;IDI.5,OD2,L3.1,SN,BSS3-E/EH	
5	EY05	6042-000002 EYELET;IDI.5,OD2,L3.1,SN,BSS3-E/EH	
5	GT001	AA60-40014A PIN-GT,ASSY;1P,-,AUTO	
5	GT002	AA60-40014A PIN-GT,ASSY;1P,-,AUTO	
5	GT003	AA60-40014A PIN-GT,ASSY;1P,-,AUTO	
5	00VER	AA41-00794B PCB MAIN-VCR;V18B,FR-1,1,VER.01,1.6,245*	

Loc. No.	Code No.	Description ; Specification	Remark
5	IC+PCB	0201-000280 ADHESIVE-TS;SA-33P-2,RED,950+-110(PS)	
5	A/SMD	AA97-12866A ASSY SMD-MAIN;V18B	
6	IC601	1204-001465 IC-VOLUME/TONE CONT.;TDA7440D,SOP,28,18.	
6	ICM501	1204-001754 IC-SIGNAL PROCESSOR;AN3663FBP,QFP,64P,-,	
6	ICM301	1204-001952 IC-VIDEO PROCESS;LA71207,QFP,80P,14X14MM	
6	ICM601	AA09-00314A IC MICOM;UPD784927GF-236-3BA,SNM-646MD,1	
6		AA41-00794B PCB MAIN-VCR;V18B,FR-1,1,VER.01,1.6,245*	
6	IC902	AA09-00390A IC MICOM;CMX2785TPX,TDA9395H/N1/4,80P,3.	
5	RM517	2004-001403 R-METAL(S);7.5Kohm,1%,1/2W,AA,TP,2.4x6.4	
4	CN701A	AA39-00120A LEAD CONNECTOR-ASSY;11P,35155-1100,S,60	
4	XT901	2801-004033 CRYSTAL-UNIT;12MHZ,30PPM,28-AAM,30PF,300	
4	RWK1	0401-000005 DIODE;1N4148,100V,300mA,1V,8nS,TAPING	
3		AA94-12364A ASSY PCB MISC-INTERFACE;TORNADO-II,V18B,	
4	RD106	2006-000162 R-CEMENT;2.7ohm,5%,5W,CB,BK,10x13x25.4m	
4	CN11	3708-001364 CONNECTOR-FPC/FFC/PIC;35P,1.25MM,STRAIGH	
4	DCN003	3708-001695 CONNECTOR-FPC/FFC/PIC;13P,1MM,STRAIGHT,S	
4	DCN006	3708-001695 CONNECTOR-FPC/FFC/PIC;13P,1MM,STRAIGHT,S	
4	DCN005	3708-001696 CONNECTOR-FPC/FFC/PIC;24P,1MM,STRAIGHT,S	
4	DCN007	3708-001696 CONNECTOR-FPC/FFC/PIC;24P,1MM,STRAIGHT,S	
4	DCN002	3711-001018 CONNECTOR-HEADER;BOX,5P,1R,2mm,STRAIGHT,	
4	CND002	AA39-00074A LEAD CONNECTOR-ASSY;8P,YBNH250-08,35155	
4	CND001	AA39-00116C LEAD CONNECTOR-ASSY;12P,YBNH250-12,3515	
4	DCN001	AA39-00229C LEAD CONNECTOR ASSY;V18A,UL1007#26,UL/CS	
4	CN12	AA39-00329A LEAD CONNECTOR ASSY;V18A,UL1007#26,UL/CS	
4	CND003	AA39-20005G LEAD CONNECTOR ASSY;V18A,UL1007#26,UL/CS	
4	DCN06A	3809-001358 CABLE-FLAT;60V,80C,200MM,13P,1MM,UL20624	
4	DCN07A	3809-001359 CABLE-FLAT;60V,80C,200MM,24P,1MM,UL20624	
4	CN11A	3809-001360 CABLE-FLAT;30V,80C,150MM,35P,1.25MM,UL28	
4	A/INT	AA97-13493A ASSY AUTO-INTERFACE;V18B,DORNADO-II	
5	DD101	0401-000005 DIODE;1N4148,100V,300mA,1V,8nS,TAPING	
5	DD104	0401-000005 DIODE;1N4148,100V,300mA,1V,8nS,TAPING	
5	DD505	0401-000005 DIODE;1N4148,100V,300mA,1V,8nS,TAPING	
5	DD506	0401-000005 DIODE;1N4148,100V,300mA,1V,8nS,TAPING	
5	DD507	0401-000005 DIODE;1N4148,100V,300mA,1V,8nS,TAPING	
5	DD508	0401-000005 DIODE;1N4148,100V,300mA,1V,8nS,TAPING	
5	DD602	0401-000005 DIODE;1N4148,100V,300mA,1V,8nS,TAPING	
5	DD603	0401-000005 DIODE;1N4148,100V,300mA,1V,8nS,TAPING	
5	DD604	0401-000005 DIODE;1N4148,100V,300mA,1V,8nS,TAPING	
5	ZDD102	0403-000508 DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
5	ZDD104	0403-000508 DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
5	ZDD103	0403-000714 DIODE-ZENER;MTZJ3.3B,3.3V,3.32-3.53V,500	
5	ZDD101	0403-001211 DIODE-ZENER;MTZJ12B,11.44-12.03V,500MW,D	
5	DD102	0404-000156 DIODE-SCHOTTKY;RB441Q,10V,100MA,DO-34,TP	
5	DD103	0404-000156 DIODE-SCHOTTKY;RB441Q,10V,100MA,DO-34,TP	
5	QD301	0501-000283 TRANSISTOR;KSA539-Y(TAPG)/YTAM	
5	QD302	0501-000283 TRANSISTOR;KSA539-Y(TAPG)/YTAM	
5	QD303	0501-000283 TRANSISTOR;KSA539-Y(TAPG)/YTAM	
5	QD603	0501-000283 TRANSISTOR;KSA539-Y(TAPG)/YTAM	
5	QD101	0501-000362 TRANSISTOR;KSC2328A-Y/2SC2655-	
5	QD102	0501-000362 TRANSISTOR;KSC2328A-Y/2SC2655-	
5	QD103	0501-000362 TRANSISTOR;KSC2328A-Y/2SC2655-	
5	QD108	0501-000362 TRANSISTOR;KSC2328A-Y/2SC2655-	
5	QD109	0501-000362 TRANSISTOR;KSC2328A-Y/2SC2655-	
5	QD501	0501-000398 TR-SMALLSIGNAL;KSC945,NPN,60V,	
5	QD502	0501-000398 TR-SMALLSIGNAL;KSC945,NPN,60V,	
5	QD105	0504-000119 TR-DIGITAL;KSR1004,NPN,300MW,4	
5	QD107	0504-000119 TR-DIGITAL;KSR1004,NPN,300MW,4	
5	QD104	0504-000142 TR-DIGITAL;KSR2001,PNP,300MW,4	
5	QD106	0504-000142 TR-DIGITAL;KSR2001,PNP,300MW,4	
5	ICD602	1203-001274 IC-VOL.DETECTOR;7545,T0-92,3P,-,PLASTIC	
5	RD639	2001-000010 R-CARBON;68Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5	RD304	2001-000109 R-CARBON(S);4700HM,5%,1/2W,AA,	
5	RD305	2001-000109 R-CARBON(S);4700HM,5%,1/2W,AA,	
5	RD306	2001-000109 R-CARBON(S);4700HM,5%,1/2W,AA,	
5	RD504	2001-000281 R-CARBON;1000HM,5%,1/8W,AA,TP,	
5	RD505	2001-000281 R-CARBON;1000HM,5%,1/8W,AA,TP,	
5	RD506	2001-000281 R-CARBON;1000HM,5%,1/8W,AA,TP,	
5	RD507	2001-000281 R-CARBON;1000HM,5%,1/8W,AA,TP,	
5	RD602	2001-000281 R-CARBON;1000HM,5%,1/8W,AA,TP,	
5	RD603	2001-000281 R-CARBON;1000HM,5%,1/8W,AA,TP,	
5	RD604	2001-000281 R-CARBON;1000HM,5%,1/8W,AA,TP,	
5	RD605	2001-000281 R-CARBON;1000HM,5%,1/8W,AA,TP,	
5	RD606	2001-000281 R-CARBON;1000HM,5%,1/8W,AA,TP,	
5	RD607	2001-000281 R-CARBON;1000HM,5%,1/8W,AA,TP,	
5	RD611	2001-000281 R-CARBON;1000HM,5%,1/8W,AA,TP,	
5	RD612	2001-000281 R-CARBON;1000HM,5%,1/8W,AA,TP,	
5	RD613	2001-000281 R-CARBON;1000HM,5%,1/8W,AA,TP,	

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5 RD615	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,	
5 RD622	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,	
5 RD623	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,	
5 RD624	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,	
5 RD625	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,	
5 RD626	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,	
5 RD627	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,	
5 RD628	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,	
5 RD508	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,	
5 RD509	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,	
5 RD510	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,	
5 RD523	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,	
5 RD524	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,	
5 RD616	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,	
5 RD617	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,	
5 RD629	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,	
5 RD630	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,	
5 RD631	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,	
5 RD632	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,	
5 RD633	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,	
5 RD634	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,	
5 RD635	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,	
5 RD636	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,	
5 RD637	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,	
5 RD643	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,	
5 RD644	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,	
5 RD646	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,	
5 RD647	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,	
5 RD648	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,	
5 RD649	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,	
5 RD650	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,	
5 RD651	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,	
5 RD653	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,	
5 RD655	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,	
5 RD657	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,	
5 RD664	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,	
5 RD665	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,	
5 RD666	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,	
5 RD501	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5 RD502	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5 RD525	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5 RD526	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5 RD608	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5 RD610	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5 RD618	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5 RD619	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5 RD620	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5 RD621	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5 RD638	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5 RD641	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5 RD642	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5 RD645	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5 RD654	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5 RD659	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5 RD660	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5 RD661	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5 RD662	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5 RD663	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5 RD685	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5 RD104	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP	
5 RD105	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP	
5 RD107	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP	
5 RD514	2001-000490	R-CARBON;2000HM,5%,1/8W,AA,TP,	
5 RD515	2001-000490	R-CARBON;2000HM,5%,1/8W,AA,TP,	
5 RD520	2001-000490	R-CARBON;2000HM,5%,1/8W,AA,TP,	
5 RD521	2001-000490	R-CARBON;2000HM,5%,1/8W,AA,TP,	
5 RD527	2001-000515	R-CARBON;2200HM,5%,1/8W,AA,TP,	
5 RD528	2001-000515	R-CARBON;2200HM,5%,1/8W,AA,TP,	
5 RD534	2001-000515	R-CARBON;2200HM,5%,1/8W,AA,TP,	
5 RD535	2001-000515	R-CARBON;2200HM,5%,1/8W,AA,TP,	
5 RD668	2001-000515	R-CARBON;2200HM,5%,1/8W,AA,TP,	
5 RD511	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP	
5 RD512	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP	
5 RD513	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP	
5 RD516	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP	
5 RD517	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP	
5 RD518	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP	

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5 RD519	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP	
5 RD522	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP	
5 RD640	2001-000832	R-CARBON;5100HM,5%,1/8W,AA,TP,	
5 RD102	2001-001088	R-CARBON(S);1KOHM,5%,1/2W,AA,TP,2.4X6.4	
5 RD108	2001-001088	R-CARBON(S);1KOHM,5%,1/2W,AA,TP,2.4X6.4	
5 RD101	2001-001107	R-CARBON(S);2200HM,5%,1/2W,AA,	
5 RD103	2001-001107	R-CARBON(S);2200HM,5%,1/2W,AA,	
5 CD508	2201-000558	C-CERAMIC,DISC;470PF,10%,50V,Y	
5 CD509	2201-000558	C-CERAMIC,DISC;470PF,10%,50V,Y	
5 CD511	2201-000558	C-CERAMIC,DISC;470PF,10%,50V,Y	
5 CD512	2201-000558	C-CERAMIC,DISC;470PF,10%,50V,Y	
5 CD101	2202-000632	C-CERAMIC,MLC-AXIAL;100nF,20%,50V,Z5U,TP	
5 CD109	2202-000632	C-CERAMIC,MLC-AXIAL;100nF,20%,50V,Z5U,TP	
5 CD501	2202-000632	C-CERAMIC,MLC-AXIAL;100nF,20%,50V,Z5U,TP	
5 CD506	2202-000632	C-CERAMIC,MLC-AXIAL;100nF,20%,50V,Z5U,TP	
5 CD514	2202-000632	C-CERAMIC,MLC-AXIAL;100nF,20%,50V,Z5U,TP	
5 CD523	2202-000632	C-CERAMIC,MLC-AXIAL;100nF,20%,50V,Z5U,TP	
5 CD603	2202-000632	C-CERAMIC,MLC-AXIAL;100nF,20%,50V,Z5U,TP	
5 CD602	2202-000797	C-CERAMIC,MLC-AXIAL;10nF,30%,16V,Y5S,TP,	
5 CD507	2301-000232	C-FILM,PEF;3.3NF,5%,50V,8.1X4.	
5 CD510	2301-000232	C-FILM,PEF;3.3NF,5%,50V,8.1X4.	
5 CD505	2401-000913	C-AL;22uF,20%,16V,GP,TP,5x11.5	
5 CD114	2401-002009	C-AL;100UF,20%,16V,GP,TP,6.3X7	
5 CD601	2401-002009	C-AL;100UF,20%,16V,GP,TP,6.3X7	
5 CD104	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11.5	
5 CD513	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11.5	
5 CD517	2401-000050	C-AL;10UF,20%,16V,GP,TP,5X11.2.5	
5 CD518	2401-000050	C-AL;10UF,20%,16V,GP,TP,5X11.2.5	
5 CD102	2401-002463	C-ELECTROLYTIC;CE04WTAPG16V470M-M(SG)-VE	
5 CD105	2401-002463	C-ELECTROLYTIC;CE04WTAPG16V470M-M(SG)-VE	
5 CD106	2401-002463	C-ELECTROLYTIC;CE04WTAPG16V470M-M(SG)-VE	
5 CD107	2401-002463	C-ELECTROLYTIC;CE04WTAPG16V470M-M(SG)-VE	
5 CD110	2401-002463	C-ELECTROLYTIC;CE04WTAPG16V470M-M(SG)-VE	
5 CD111	2401-002463	C-ELECTROLYTIC;CE04WTAPG16V470M-M(SG)-VE	
5 CD112	2401-002463	C-ELECTROLYTIC;CE04WTAPG16V470M-M(SG)-VE	
5 CD113	2401-002463	C-ELECTROLYTIC;CE04WTAPG16V470M-M(SG)-VE	
5 CD301	2401-002463	C-ELECTROLYTIC;CE04WTAPG16V470M-M(SG)-VE	
5 CD302	2401-002463	C-ELECTROLYTIC;CE04WTAPG16V470M-M(SG)-VE	
5 CD303	2401-002463	C-ELECTROLYTIC;CE04WTAPG16V470M-M(SG)-VE	
5 LD501	2701-000112	INDUCTOR-AXIAL;100UH,10%,2.8X7	
5 XTD601	2802-000194	RESONATOR-CERAMIC;8MHz,1.0%,TP,8.5x4.5x5	
5 FLD501	2901-001125	FILTER-EMI ON BOARD;50V,0.5A,-,220pF,7x2	
5 BD501	3301-000287	CORE-FERRITEBEAD;AA,3.5X1.0X6.	
5 BD502	3301-000287	CORE-FERRITEBEAD;AA,3.5X1.0X6.	
5 SWD701	3404-000244	SWITCH-TACT;15V,20MA,90-170GF,	
5 SWD702	3404-000244	SWITCH-TACT;15V,20MA,90-170GF,	
5 SWD703	3404-000244	SWITCH-TACT;15V,20MA,90-170GF,	
5 SWD704	3404-000244	SWITCH-TACT;15V,20MA,90-170GF,	
5 SWD705	3404-000244	SWITCH-TACT;15V,20MA,90-170GF,	
5 JD005	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5 JD006	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5 JD008	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5 JD009	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5 JD010	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5 JD011	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5 JD012	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5 JD013	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5 JD014	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5 JD016	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5 JD017	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5 JD018	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5 JD019	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5 JD020	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5 JD021	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5 JD022	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5 JD023	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5 JD024	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5 JD025	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5 JD026	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5 JD027	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5 JD028	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5 JD029	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5 JD030	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5 JD033	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5 JD034	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5 JD035	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5 JD036	3812-000219	JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	

## Electric Parts List

Loc. No.	Code No.	Description ; Specification	Remark
5	JD037	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JD038	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JD040	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JD041	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JD042	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JD043	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JD044	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JD045	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JD047	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JD048	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	JD049	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	QOVER	AA41-00665A PCB-INTERFACE;SMD-29J5,FR-1,1L,A,1.6T,33	
5	IC+PCB	0201-000280 ADHESIVE-TS;SA-33P-2,RED,950+-110(PS)	
5	A/SMD	AA97-07657A ASSY SMD;V18A, , , ,	
6	ICD503	0801-000442 IC-CMOS LOGIC;74HC04,INVERTER,SOP,14P,1	
6	ICD501	1002-001241 IC-D/A CONVERTER;AK4382VT,24BIT,TSSOP,16	
6	ICD502	1201-000163 IC-OP AMP;4560,SOP8P,173MIL,DUAL,100V/m	
6	ICD601	AA09-00305A IC MICOM;UPD78F0034AGC-580-8B,SNM-746,64	
3		AA96-00959A ASSY MISC P-M-DECK, , , ,6HD,19UM,NTSC,HQ	
3		AA96-00976A ASSY MISC P-M/DVDP;DVD-DS002/SAM,V18A, ,	
3		AA96-01556A ASSY PCB P-MPEG BOARD(SELLINO);DVD-PSA14	
2	POWER	AA94-13088A ASSY PCB MISC-POWER;DP-TC29J6MNX/XAX,V18	
3		0202-000008 SOLDER-WIRE;S63S-D3.0,S63A,D3.63/37	
3		0202-000187 SOLDER-WIREFLUX;-RS60S,D1,2.6	
3		0204-000442 SOLVENT;CH3-CH5H-CH396%IM-1000	
3		0204-001527 FLUX;DF-201TVS,MIX,0.820,FLUX 13%, 14KG	
△	D808	0402-000005 DIODE-RECTIFIER;31DF4,400V,3A,DO-201AD,B	
△	D801S	0402-000116 DIODE-BRIDGE;RBV606,600V,6A,-,ST	
△	D805	0402-000586 DIODE-RECTIFIER;RK49,90V,3.5A,DO-201AD	
△	D811	0402-000586 DIODE-RECTIFIER;RK49,90V,3.5A,DO-201AD	
△	PC801S	0604-001038 PHOTOCOUPLER;TR,130-260%,200MW	
△	PT801S	1404-001264 THERMISTOR-PTC;4.50HM,+30/-20%,220V,290V	
△	CY801S	2201-000446 C-CERAMIC,AC;CK45PE400V332-M/T	
△	CR404S	2301-001271 C-FILM,MPPF;510NF,5%,400V,TP,26X13.5X22M	
△	CR405S	2306-000272 C-FILM,MPPF;820nF,5%,400V,BK,29x25.5x18	
△	CX801S	2306-000321 C-FILM,MPPF;470NF,5%,275V,TP,-,22.5	
△	CR402S	2306-000328 C-FILM,MPPF;6.8nF,5%,1.6KV,TP,28.5x18x1	
△	CR401S	2306-000330 C-FILM;CF922P1.6KV7772-HBUP	
3	C815	2401-000787 C-AL;220uF,20%,160V,GP,TP,16x31.5mm	
3	C806	2401-001426 C-AL;470UF,400V	
△	RL801S	3501-001040 RELAYPOWER;12VDC,500MW,10A,1FO	
△	FP801S	3601-001012 FUSE-FERRULE;250V,4A,SLOW-BLOW	
3	CN401	3711-003975 CONNECTOR-HEADER;BOX,14P,1R,2.5mm,STRAIG	
3	CN802	3711-003975 CONNECTOR-HEADER;BOX,14P,1R,2.5mm,STRAIG	
△	T444S	AA26-00057A TRANS-FBT,-,FUH-29A001B(S),25/29,130	
△	T801S	AA26-00195A TRANS SWITCHING;EER4950,V18B,90-264V,PL5	
△	T401	AA26-50001M TRANS HORIZ DRIVE;-80MH,520UH,4UH,E	
3	L408	AA27-00056A COIL HORIZ. WIDTH;-600uH,YL9N 15x27.5 C	
3	L405	AA27-00057A COIL HORIZ. WIDTH;-10mH,YL-9N 15x27.5 C	
3	L402	AA27-00067A COIL HORIZ. WIDTH;-240uH,YL9N 12x20 C-6	
3	L808	AA27-00098A COIL CHOKE;-24uH,10%,0.1,3.0A,DR10X	
△	LR401S	AA27-30003S COIL-LINERITY;-54uH,YL81DR14x15,0.12mxx	
△	LX801S	AA29-30002N FILTER-LINE NOISE;-16MH,1.5A,AC100-260V	
3	CN301	AA60-40012D PIN-GT,ASSY;4P,T1.6,6-12.5-14MM,NYLON66	
3		AA65-30104C CLAMP-WIRE;NYLON 66,V2,NTR,W1 24,ALL MOD	
3		AA94-11889A ASSY PCB CRT,V18B	
△	V999S	3704-001105 SOCKET-CRT;11P,20PI,26.5PI,Ni,-	
4	CN501A	AA39-00339A LEAD CONNECTOR;V18B/CXM2785TPX,UL1007/11	
4	CN502A	AA39-20070A LEAD CONNECTOR-ASSY;7P,YBNH025-07,67096	
4	CNF01	3711-002642 POST-HEADER;67094-003(AUTO)	
4	CN503	3711-002643 POST-HEADER;YW025-04(AUTO)	
4	QF04	AA96-00243L ASSY H/S;-CRT,AA62-00045A,ZSC2344,HERC	
5		0205-000129 GREASE-SILICON;SC102,JAPAN	
5		0502-000153 TR-POWER;ZSC2344-D,NPN,180V,16	
5		6003-000335 SCREW-TAPTITE;RH,+,2S,M3,L8,ZPC(YEL),SWR	
5		AA62-00045A HEAT SINK-PS;-T1.0,-,DREAM,-,-,-,-	
4	QF05	AA96-00243M ASSY H/S;-AMP,AA62-00045A,2SA1011,HERC	
5		0205-000129 GREASE-SILICON;SC102,JAPAN	
5		0502-000131 TR-POWER;2SA1011-D,PNP,-180V,-	
5		6003-000335 SCREW-TAPTITE;RH,+,2S,M3,L8,ZPC(YEL),SWR	
5		AA62-00045A HEAT SINK-PS;-T1.0,-,DREAM,-,-,-,-	
4	IC501	AA96-50311E ASSY H/S;-,-,AA62-30175D,TDA6108Q,-	
5		1201-001330 IC-VIDEO;TDA6108JF,ZSI9P,SINGLE,-	
5		6003-000335 SCREW-TAPTITE;RH,+,2S,M3,L6,ZP	
5		AA62-30175D HEATSINK-PS;-SECC,T1.0,-,33X15X30FT-2	
4	BAND	AA63-10002A BAND-TIE;-NYLON66V2,-,L100,NTR,-,-	
4	A/AUTO	AA97-13523A ASSY AUTO-CRT;TORNADO-2(V18B)	

Loc. No.	Code No.	Description ; Specification	Remark
5	DF01	0401-000005 DIODE;1N4148,100V,300mA,1V,8nS,TAPING	
5	DF04	0401-000005 DIODE;1N4148,100V,300mA,1V,8nS,TAPING	
5	D504	0402-000132 DIODE-RECTIFIER;1N4004,400V,1A,DO-41	
5	DF02	0402-000531 DIODE-RECTIFIER;ERB43-04,400V,0.5A,DO-20	
5	DF03	0402-000531 DIODE-RECTIFIER;ERB43-04,400V,0.5A,DO-20	
5	D501	0402-000546 DIODE-RECTIFIER;TVR10G,400V,1.	
5	D502	0402-000546 DIODE-RECTIFIER;TVR10G,400V,1.	
5	D503	0402-000546 DIODE-RECTIFIER;TVR10G,400V,1.	
5	DZ501	0403-001322 DIODE-ZENER;MTZJ8.2B,7.78-8.19V,500mW,DO	
5	QF03	0501-000369 TRANSISTOR;KSC2331-Y(TAPG)	
5	QF02	0501-000389 TRANSISTOR;KSC815-Y(TAPG)/YTAM	
5	RF09	2001-000221 R-CARBON;1.2KOHM,5%,1/8W,AA,TP	
5	RF11	2001-000221 R-CARBON;1.2KOHM,5%,1/8W,AA,TP	
5	RF10	2001-000241 R-CARBON;1.5KOHM,5%,1/8W,AA,TP	
5	RF12	2001-000241 R-CARBON;1.5KOHM,5%,1/8W,AA,TP	
5	RF04	2001-000313 R-CARBON;11KOHM,5%,1/8W,AA,TP,	
5	RF03	2001-000362 R-CARBON;1500HM,5%,1/8W,AA,TP,	
5	R501	2001-000429 R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5	R502	2001-000429 R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5	R503	2001-000429 R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
5	RF08	2001-000449 R-CARBON;2.2KOHM,5%,1/8W,AA,TP	
5	RF07	2001-000904 R-CARBON;6200HM,5%,1/8W,AA,TP,1.8X3.2MM	
5	R511	2001-001062 R-CARBON(S);10MOHM,5%,1/2W,AA,	
5	RF14	2001-001071 R-CARBON(S);12KOHM,5%,1/2W,AA,	
5	RF15	2001-001100 R-CARBON(S);2.7OHM,5%,1/2W,AA,	
5	RF17	2001-001100 R-CARBON(S);2.7OHM,5%,1/2W,AA,	
5	R504	2001-001102 R-CARBON(S);2000HM,5%,1/2W,AA,	
5	R505	2001-001102 R-CARBON(S);2000HM,5%,1/2W,AA,	
5	R506	2001-001102 R-CARBON(S);2000HM,5%,1/2W,AA,	
5	RF13	2001-001179 R-CARBON(S);68KOHM,5%,1/2W,AA,	
5	RF16	2001-001179 R-CARBON(S);68KOHM,5%,1/2W,AA,	
5	R512	2002-001012 R-COMPOSITION;8.2MOhm,5%,1/2W,AA,TP,3.7X	
5	R507	2002-001017 R-COMPOSITION;1K,10%,1/2W,AA,TP,3.7x9.0m	
5	R508	2002-001017 R-COMPOSITION;1K,10%,1/2W,AA,TP,3.7x9.0m	
5	R509	2002-001017 R-COMPOSITION;1K,10%,1/2W,AA,TP,3.7x9.0m	
5	RF18	2003-000458 R-METALOXIDE(S);1000HM,5%,2W,A	
5	RF23	2003-000746 R-METALOXIDE(S);560HM,5%,2W,AD	
5	RF24	2003-000746 R-METALOXIDE(S);560HM,5%,2W,AD	
5	RF19	2003-001023 R-METALOXIDE(S);1200HM,5%,2W,A	
5	R510	2003-002007 R-METAL OXIDE(S);4.7KOHM,5%,2W,AF,TP,3.9	
5	RF25	2003-002009 R-METALOXIDE(S);3900HM,5%,2W,A	
5	R513	2003-002288 R-METAL OXIDE(S);2.2KOHM,5%,2W,AF,TP,3.9	
5	CF02	2201-000375 C-CERAMIC,DISC;220PF,5%,50V,RH	
5	CF06	2201-000516 C-CERAMIC,DISC;4.7NF,+100-0%,5	
5	CF08	2201-000604 C-CERAMIC,DISC;56PF,+100-0%,50	
5	CF04	2201-000653 C-CERAMIC,DISC;68PF,5%,50V,SL,4.0X3.5MM,	
5	C504	2201-000723 C-CERAMIC,DISC;4.7nF,20%,3KV,Y5U,TP,16x5	
5	CF05	2301-000261 C-FILM,PEF;4.7NF,5%,100V,10.5X	
5	C507	2301-001259 C-FILM,MPPF;100nF,5%,400V,TP,19x8x16,7.5	
5	C508	2301-001259 C-FILM,MPPF;100nF,5%,400V,TP,19x8x16,7.5	
5	CF07	2305-000009 C-FILM,MPEF;100NF,5%,250V,13X11X6.5,7.5M	
5	C505	2401-000430 C-ELECTROLYTIC;CE04WTPAG250V10	
5	C506	2401-000430 C-ELECTROLYTIC;CE04WTPAG250V10	
5	C509	2401-000430 C-ELECTROLYTIC;CE04WTPAG250V10	
5	CF10	2401-000025 C-ALUMINUM;100uF,20%,16V,GP,TP,6.3x11.5	
5	CF12	2401-000025 C-ALUMINUM;100uF,20%,16V,GP,TP,6.3x11.5	
5	CF14	2401-002619 C-AL;47uF,20%,25V,GP,TP,5x11,5	
5	CF01	2401-003728 C-AL;10UF,±20%,16V,BP,TP,5X7MM,5	
5	L501	2701-000002 INDUCTOR-AXIAL;100UH,10%,4.2X9	
5	LF02	2901-000297 FILTER-EMI ON BOARD;-3A,-,3.5x5,TP,-	
5	LF04	2901-000297 FILTER-EMI ON BOARD;-3A,-,3.5x5,TP,-	
5	LF05	2901-000297 FILTER-EMI ON BOARD;-3A,-,3.5x5,TP,-	
5	J501	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	J502	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	J503	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	J504	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
5	EL701	6042-000001 EYELET;ID2.2,OD2.7,L3.1,SN,BSS3-E/EH	
5	EL702	6042-000001 EYELET;ID2.2,OD2.7,L3.1,SN,BSS3-E/EH	
5	QOVER	AA41-00798A PCB-CRT;TORNADOII,FR-1,1L,A,1.6T,330X245	
5	GT502	AA60-40014A PIN-GT,ASSY;1P,-,AUTO	
5	GT503	AA60-40014A PIN-GT,ASSY;1P,-,AUTO	
5	ICG01	AA96-00110D ASSY H/S;-,-,AA62-30013K,TDA2030,-	
4		1201-000010 IC-OP AMP;2030,PENTAWATT,5P,-SINGLE,-,C	
4		6003-000333 SCREW-TAPTITE;RH,+,2S,M3,L10,ZPC(YEL),SW	
4		AA62-30013K HEAT-SINK,ES;-,-,-,44/18,-,WHT,A6063 E	
3	Q805	AA96-00243G ASSY H/S;-POWER,AA62-00045A,C2073-H2,V1	
3	Q810	AA96-00243G ASSY H/S;-POWER,AA62-00045A,C2073-H2,V1	

Loc. No.	Code No.	Description ; Specification	Remark
4	0205-000129	GREASE-SILICON;SC102,JAPAN	
4	0502-001007	TR-POWER;KSC2073-H2,NPN,150V,1	
4	6003-000335	SCREW-TAPTITE;RH,+,2S,M3,L8,ZPC(YEL),SWR	
4	AA62-00045A	HEAT SINK-PS;-,-,T1.0,-,-,DREAM,-,-,-,-,	
3 Q804	AA96-00243H	ASSY H/S;-,-,POWER,AA62-00045A,KSD73Y,C17A	
4	0205-000129	GREASE-SILICON;SC102,JAPAN	
4	0502-000298	TR-POWER;KSD73,NPN,100V,60V,5A	
4	6003-000335	SCREW-TAPTITE;RH,+,2S,M3,L8,ZPC(YEL),SWR	
4	AA62-00045A	HEAT SINK-PS;-,-,T1.0,-,-,DREAM,-,-,-,-,	
3 D414	AA96-00275P	ASSY H/S;-,-,POWER,AA62-00051A,2SC5520,FMP-	
4 CIS	0205-001027	OIL-SILICON;G746	
4 CIS	0402-001296	DIODE-RECTIFIER;FMP-3FU,1500V,5A,T0-3PF	
4 CIS	0502-001222	TR-POWER;2SC5520,NPN,50000MW,TOP-3D,ST,5	
4 CIS	6003-000333	SCREW-TAPTITE;RH,+,2S,M3,L10,ZPC(YEL),SW	
4 CIS	AA60-30001A	WASHER-PLATE;-,-,M3,ID3.5,15X8.5,T1.0,-,-,SB	
4 CIS	AA62-00051A	HEAT SINK-PS;-,-,-,SILVER,HOLE 31mm,ALL,	
3 IC301	AA96-00623A	ASSY H/S;-,-,POWER,AA62-00056A,LA7845	
4	0205-000129	GREASE-SILICON;SC102,JAPAN	
4	1204-000517	IC-LINEAR;LA7845SIPVERTICALAMP	
4	6003-000334	SCREW-TAPTITE;RH,+,2S,M3,L6,ZP	
4	AA62-00056A	HEAT SINK-PS;-,-,T1.0,-,-,41*35*70,D2,-,-,	
3 IC601	AA96-00623B	ASSY H/S;-,-,SOUND,AA62-00056A,TD47266S,VC	
4	0205-000129	GREASE-SILICON;SC102,JAPAN	
4	1201-001308	IC-POWERAMP;7266,ZIP,15P,-,-,DUAL,26dB,PL	
4	6003-000334	SCREW-TAPTITE;RH,+,2S,M3,L6,ZP	
4	AA62-00056A	HEAT SINK-PS;-,-,T1.0,-,-,41*35*70,D2,-,-,	
△ 3 IC801S	AA96-50371H	ASSY H/S;-,-,SMPS,AA62-30181H,501565RF,HER	
4	0205-000129	GREASE-SILICON;SC102,JAPAN	
4	1203-002512	IC-PWM CONTROLLER;KA5Q1565RF-YDTU,TO-3PF	
4	6003-000333	SCREW-TAPTITE;RH,+,2S,M3,L10,ZPC(YEL),SW	
4	AA61-11028A	BRACKET-IC;SECC,T1.0,-,-,	
4	AA62-30181H	HEATSINK-ES;-,-,AL6063EXTR.,2,WHT,50MM,-	
3 Q403	AA96-50379C	ASSY HEAT SINK P;AA62-30183B,SCREW,FQ6P3	
4 CIS	0205-001027	OIL-SILICON;G746	
4 CIS	0505-001723	FET-SILICON;FQP603TSTU,N,200V,9A,0.40HM,	
4 CIS	6003-000333	SCREW-TAPTITE;RH,+,2S,M3,L10,ZPC(YEL),SW	
4 CIS	AA62-30183B	HEAT SINK-ES;-,-,A6063 EXTR.,2,WHT,30MM,-,-,	
3 A/AUTO	AA97-14182A	ASSY AUTO,PAL	
4 D302	0401-000005	DIODE;1N4148,100V,300mA,1V,8nS,TAPING	
4 D405	0401-000005	DIODE;1N4148,100V,300mA,1V,8nS,TAPING	
4 D406	0401-000005	DIODE;1N4148,100V,300mA,1V,8nS,TAPING	
4 D412	0401-000005	DIODE;1N4148,100V,300mA,1V,8nS,TAPING	
4 D415	0401-000005	DIODE;1N4148,100V,300mA,1V,8nS,TAPING	
4 D601	0401-000005	DIODE;1N4148,100V,300mA,1V,8nS,TAPING	
4 D602	0401-000005	DIODE;1N4148,100V,300mA,1V,8nS,TAPING	
4 D603	0401-000005	DIODE;1N4148,100V,300mA,1V,8nS,TAPING	
△ 4 D806	0401-000005	DIODE;1N4148,100V,300mA,1V,8nS,TAPING	
△ 4 D809	0401-000005	DIODE;1N4148,100V,300mA,1V,8nS,TAPING	
△ 4 D833	0401-000005	DIODE;1N4148,100V,300mA,1V,8nS,TAPING	
△ 4 D834	0401-000005	DIODE;1N4148,100V,300mA,1V,8nS,TAPING	
△ 4 D835	0401-000005	DIODE;1N4148,100V,300mA,1V,8nS,TAPING	
△ 4 D848	0401-000005	DIODE;1N4148,100V,300mA,1V,8nS,TAPING	
△ 4 D403	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41	
△ 4 D802	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41	
△ 4 D807	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41	
4 D404	0402-000537	DIODE-RECTIFIER;RH1A,600V,0.6A,	
4 D413	0402-000537	DIODE-RECTIFIER;RH1A,600V,0.6A,	
4 D401	0402-000540	DIODE-RECTIFIER;RU20A,600V,1.5	
4 D402	0402-000540	DIODE-RECTIFIER;RU20A,600V,1.5	
4 D411	0402-000540	DIODE-RECTIFIER;RU20A,600V,1.5	
△ 4 D812	0402-000542	DIODE-RECTIFIER;RU4AM,600V,2A,	
4 D301	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.	
△ 4 D803	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.	
△ 4 D804	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.	
△ 4 DR01S	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.	
4 DZ808	0403-000510	DIODE-ZENER;MTZJ6.2B,6.2V,5.96-6.27V,500	
4 DZ814	0403-000510	DIODE-ZENER;MTZJ6.2B,6.2V,5.96-6.27V,500	
4 DZ401	0403-000642	DIODE-ZENER;UZP7.5B,7.0-7.9V,1W,DO-41,TP	
4 DZ807	0403-000700	DIODE-ZENER;TZP33A,33V,31-35V,	
4 DZ802	0403-000716	DIODE-ZENER;MTZJ4.7B,4.7V,4.55-4.8V,500m	
4 DZ304	0403-001167	DIODE-ZENER;MTZJ30D,30V,29.02-30.51V,500	
4 DZ305	0403-001167	DIODE-ZENER;MTZJ30D,30V,29.02-30.51V,500	
4 DZ306	0403-001167	DIODE-ZENER;MTZJ30D,30V,29.02-30.51V,500	
4 DZ801	0403-001211	DIODE-ZENER;MTZJ12B,11.44-12.03V,500MW,D	
△ 4 DR01S	0403-001321	DIODE-ZENER;MTZJ6.8C,6.66-7.01V,500mW,DO	
4 DZ809	0403-001322	DIODE-ZENER;MTZJ8.2B,7.78-8.19V,500mW,DO	
4 DZ804	0403-001327	DIODE-ZENER;MTZJ18A,16.22-17.06V,500mW,D	

Loc. No.	Code No.	Description ; Specification	Remark
4	DZ302	0403-001329	DIODE-ZENER;MTZJ24B,22.61-23.77V,500mW,
4	DZ303	0403-001329	DIODE-ZENER;MTZJ24B,22.61-23.77V,500mW,
4	DZ803	0403-001330	DIODE-ZENER;MTZJ30A,26.99-28.39V,500mW,D
△ 4	D836	0404-000156	DIODE-SCHOTTKY;RB441Q,10V,100MA,DO-34,TP
△ 4	D810	0404-001056	DIODE-SCHOTTKY;RK16,60V,1.5A,DO-204AC,TP
△ 4	QR01S	0501-000283	TRANSISTOR;KSA539-Y(TAPG)/YTAM
4	Q807	0501-000362	TRANSISTOR;KSC2328A-Y/2SC2655-
4	Q402	0501-000369	TRANSISTOR;KSC2331-Y(TAPG)
4	Q802	0501-000369	TRANSISTOR;KSC2331-Y(TAPG)
4	Q806	0501-000389	TRANSISTOR;KSC815-Y(TAPG)/YTAM
4	Q601	0501-000398	TR-SMALLSIGNAL;KSC945,NPN,60V,
4	Q811	0501-000398	TR-SMALLSIGNAL;KSC945,NPN,60V,
4	Q602	0504-000142	TR-DIGITAL;KSR2001,PNP,300MW,4
4	Q812	0504-000142	TR-DIGITAL;KSR2001,PNP,300MW,4
4	Q803	1203-001217	IC-POST,ADJUSTREG;431,T0-92,3P,4.58MIL,P
△ 4	NT801S	1404-001045	THERMISTOR NTC;4.70HM,15%,2900K,35.0MW,T
△ 4	VX801S	1405-000187	VARISTOR;750V,1250A,12.5x7mm,TP
4	R303	2001-000016	R-CARBON(S);10HM,5%,1/2W,AA,TP
4	R813	2001-000019	R-CARBON(S);10ohm,5%,1/2W,AA,TP,2.4x6.4m
4	R825	2001-000019	R-CARBON(S);10ohm,5%,1/2W,AA,TP,2.4x6.4m
4	R409	2001-000020	R-CARBON(S);220HM,5%,1/2W,AA,T
4	R412	2001-000020	R-CARBON(S);220HM,5%,1/2W,AA,T
4	R837	2001-000020	R-CARBON(S);220HM,5%,1/2W,AA,T
4	R404	2001-000028	R-CARBON(S);1000HM,5%,1/2W,AB,
4	R850	2001-000028	R-CARBON(S);1000HM,5%,1/2W,AB,
4	R847	2001-000037	R-CARBON(S);3300HM,5%,1/2W,AA,
4	R307	2001-000096	R-CARBON(S);1MOHM,5%,1/2W,AA,T
4	R810	2001-000109	R-CARBON(S);4700HM,5%,1/2W,AA,
4	R842	2001-000109	R-CARBON(S);4700HM,5%,1/2W,AA,
4	R624	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP
4	RG02	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP
4	R606	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP
4	R620	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,
4	R623	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,
4	R820	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,
4	R621	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,
4	RG01	2001-000313	R-CARBON;11KOHM,5%,1/8W,AA,TP,
4	R601	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm
4	R602	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm
4	R622	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm
4	R834	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm
4	R829	2001-000577	R-CARBON;2KOHM,5%,1/8W,AA,TP,1
4	R805	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP
4	R849	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP
4	RG10	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP
4	RG11	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP
4	R625	2001-000780	R-CARBON;470ohm,5%,1/8W,AA,TP,1.8x3.2mm
4	R814	2001-000800	R-CARBON;5.1KOHM,5%,1/8W,AA,TP
4	RG04	2001-001040	R-CARBON(S);0.680HM,5%,1/2W,AA
4	R402	2001-001078	R-CARBON(S);15KOHM,5%,1/2W,AA,
4	R406	2001-001078	R-CARBON(S);15KOHM,5%,1/2W,AA,
4	R421	2001-001088	R-CARBON(S);1KOHM,5%,1/2W,AA,TP,2.4X6.4
4	R806	2001-001088	R-CARBON(S);1KOHM,5%,1/2W,AA,TP,2.4X6.4
4	R816	2001-001088	R-CARBON(S);1KOHM,5%,1/2W,AA,TP,2.4X6.4
4	R817	2001-001088	R-CARBON(S);1KOHM,5%,1/2W,AA,TP,2.4X6.4
△ 4	RR03S	2001-001103	R-CARBON(S);20KOHM,5%,1/2W,AA,TP,2.4X6.4
4	R410	2001-001114	R-CARBON(S);2700HM,5%,1/2W,AA,
4	RG03	2001-001126	R-CARBON(S);3000HM,5%,1/2W,AB,TP,2.4X6.4
4	R818	2001-001131	R-CARBON(S);33KOHM,5%,1/2W,AA,
4	R411	2001-001139	R-CARBON(S);39KOHM,5%,1/2W,AA,
4	RG07	2001-001142	R-CARBON(S);3KOHM,5%,1/2W,AA,TP,2.4X6.4M
△ 4	RR06S	2001-001149	R-CARBON(S);43KOHM,5%,1/2W,AA,
4	R415	2001-001153	R-CARBON(S);470HM,5%,1/2W,AA,T
4	R403	2001-001155	R-CARBON(S);5.6Kohm,5%,1/2W,AA,TP,2.4x6.
4	R408	2001-001155	R-CARBON(S);5.6Kohm,5%,1/2W,AA,TP,2.4x6.
4	R811	2001-001155	R-CARBON(S);5.6Kohm,5%,1/2W,AA,TP,2.4x6.
4	R807	2001-001192	R-CARBON(S);8200HM,5%,1/2W,AB,
△ 4	RX801S	2002-001011	R-COMPOSITION;3.3Mohm,10%,1/2W,AA,TP,3.7
△ 4	RY801S	2002-001012	R-COMPOSITION;8.2Mohm,5%,1/2W,AA,TP,3.7X
4	R802	2003-000586	R-METALOXIDE(S);22KOHM,5%,2W,A
4	R803	2003-000586	R-METALOXIDE(S);22KOHM,5%,2W,A
4	R804	2003-000586	R-METALOXIDE(S);22KOHM,5%,2W,A
4	R436	2003-002151	R-METALOXIDE;18KOHM,5%,2W,AG,TP,6X16
4	R306	2003-002157	R-METAL OXIDE;2200HM,5%,2W,AG,TP,6X16MM
4	R426	2003-002178	R-METAL OXIDE(S);1Kohm,5%,2W,AG,TP,3.9X1
4	RG08	2003-002282	R-METAL OXIDE(S);390HM,5%,1W,AF,TP,3.3X9
4	R315	2004-001126	R-METAL;6.2Kohm,1%,1/8W,AA,TP,1.8x3.2m

# Electric Parts List

Loc. No.	Code No.	Description ; Specification	Remark
4	RG05	2004-001379 R-METAL(S);12KOHM,1%,1/2W,AA,T	
△ 4	RR07S	2004-001382 R-METAL(S);13KOHM,1%,1/2W,AA,TP,2.4X6.4MM	
4	R430	2004-001390 R-METAL(S);1KOHM,2%,1/2W,AA,TP	
△ 4	RR04S	2004-001402 R-METAL(S);6.8KOHM,1%,1/2W,AA,	
4	R429	2004-001403 R-METAL(S);7.5Kohm,1%,1/2W,AA,TP,2.4x6.4	
4	R821	2004-001891 R-METAL(S);133KOHM,1%,1/2W,AA,	
4	R301	2004-001983 R-METAL;2.49KOHM,1%,1/2W,AA,TP,2.4X6.4	
4	R819	2004-001983 R-METAL;2.49KOHM,1%,1/2W,AA,TP,2.4X6.4	
4	R302	2004-001984 R-METAL;26.7KOHM,1%,1/2W,AA,TP	
4	R314	2004-001986 R-METAL;35.7KOHM,1%,1/2W,AA,TP	
△ 4	RR02S	2004-002016 R-METALFILM;RM1/2T(S)153-F15K	
4	R432	2004-005045 R-METAL;75KOHM,1%,1/2W,AA,TP,2.4X6.4MM	
4	R305	2008-000292 R-FUSIBLE;RF2WRT(S)3R3-J	
4	RG09	2008-001014 R-FUSIBLE(S);22ohm,5%,1W,AF,TP,3.2x10mm	
4	R424	2008-001018 R-FUSIBLE(S);0.47OHM,10%,2W,AF	
4	R425	2008-001018 R-FUSIBLE(S);0.47OHM,10%,2W,AF	
4	R405	2008-001049 R-FUSIBLE(S);3.9OHM,5%,2W,AF,T	
4	R435	2008-001050 R-FUSIBLE;22ohm,5%,2W,AF,TP,3.9x10mm	
4	R824	2008-001058 R-FUSIBLE(S);0.18OHM,10%,1W,AF	
4	R304	2008-001079 R-FUSIBLE;4.7OHM,5%,2W,AF,TP,3.9X10MM	
4	R801	2009-000021 R-METAL PLATE;0.33ohm,10%,5W,CL,TP,5x14x	
4	C424	2201-000132 C-CERAMIC,DISC;100PF,10%,500V,Y5P6X3MM,	
4	C804	2201-000332 C-CERAMIC,AC;CK45PTAPGE250V222	
4	C810	2201-000332 C-CERAMIC,AC;CK45PTAPGE250V222	
4	C843	2201-000374 C-CERAMIC,DISC;220pF,5%,50V,CH,TP,12.5x3	
4	C401	2201-000556 C-CERAMIC,DISC;470PF,10%,500V,	
4	C403	2201-000556 C-CERAMIC,DISC;470PF,10%,500V,	
4	C421	2201-000556 C-CERAMIC,DISC;470PF,10%,500V,	
4	C817	2201-000599 C-CERAMIC,DISC;560PF,10%,500V,	
4	C820	2201-000599 C-CERAMIC,DISC;560PF,10%,500V,	
4	C824	2201-000599 C-CERAMIC,DISC;560PF,10%,500V,	
4	C828	2201-000599 C-CERAMIC,DISC;560PF,10%,500V,	
4	C407	2201-000639 C-CERAMIC,DISC;680PF,10%,2KV,Y5P,-5MM,T	
4	C814	2201-000639 C-CERAMIC,DISC;680PF,10%,2KV,Y5P,-5MM,T	
4	C303	2201-002022 C-CERAMIC,DISC;5PF,0.25PF,500V	
4	C405	2202-000183 C-CERAMIC;CKOAX7R16VT222-MEP05	
4	C409	2202-000796 C-CERAMIC,MLC-AXIAL;1NF,10%,50	
4	C301	2301-000192 C-FILM,PEF;1NF,5%,50V,5.3X10MM	
4	C309	2301-000192 C-FILM,PEF;1NF,5%,50V,5.3X10MM	
4	C411	2301-000192 C-FILM,PEF;1NF,5%,50V,5.3X10MM	
4	C821	2301-000224 C-FILM,PEF;22NF,5%,50V,7.4X3.9	
4	C840	2301-000224 C-FILM,PEF;22NF,5%,50V,7.4X3.9	
4	C811	2301-000235 C-FILM,PEF;3.9NF,5%,50V,6.5X3.0X5.5MM,5M	
4	C306	2301-000342 C-FILM,PEF;2.2nF,5%,50V,TP,7.4x3.9x13mm,	
4	C608	2301-000356 C-FILM,PEF;47nF,5%,50V,TP,7.5x4.0x6.5,5m	
△ 4	C610	2301-000356 C-FILM,PEF;47nF,5%,50V,TP,7.5x4.0x6.5,5m	
△ 4	CR403S	2301-001216 C-FILM,PPF;47nF,5%,630V,TP,20x14.5x22.7.	
4	C410	2301-001259 C-FILM,MPPF;100nF,5%,400V,TP,19x8x16.7.5	
4	C807	2301-001397 C-FILM,PPF;2.2nF,5%,1.2KV,TP,15x8.5x13.5	
4	C305	2305-000149 C-FILM;CF922N100VT104-J-40/105	
4	C412	2305-000178 C-FILM,MPEF;10NF,5%,100V,-5MM	
4	C304	2305-000285 C-FILM,MPEF;220NF,5%,100V,-5M	
4	C408	2305-000382 C-FILM,MPEF;4.7NF,5%,400V,TP,-5MM.	
4	C801	2305-000665 C-FILM;104J, 60V,5MM TAPING	
4	C841	2305-000665 C-FILM;104J, 60V,5MM TAPING	
4	C420	2306-000224 C-FILM,MPPF;47nF,5%,400V,TP,19x15.5x7.7.	
4	C607	2401-000025 C-ALUMINUM;100uF,20%,16V,GP,TP,6.3x11.5	
4	C805	2401-000025 C-ALUMINUM;100uF,20%,16V,GP,TP,6.3x11.5	
4	C812	2401-000025 C-ALUMINUM;100uF,20%,16V,GP,TP,6.3x11.5	
4	C605	2401-000050 C-AL;100UF,20%,16V,GP,TP,5X11.2.5	
△ 4	CR03S	2401-000050 C-AL;100UF,20%,16V,GP,TP,5X11.2.5	
4	C809	2401-000287 C-AL;100UF,20%,16V,WT,6X11MM,5	
4	C813	2401-000287 C-AL;100UF,20%,16V,WT,6X11MM,5	
4	C816	2401-000293 C-ELECTROLYTIC;CE04WTPAG200V10	
4	C830	2401-000302 C-AL;100UF,20%,25V,GP,6X11MM,5	
4	C302	2401-000360 C-AL;100UF,20%,50V,GP,8X11MM,5	
4	C307	2401-000360 C-AL;100UF,20%,50V,GP,8X11MM,5	
△ 4	CR02S	2401-000480 C-AL;100UF,20%,50V,GP,5X11MM,5M	
4	C406	2401-000569 C-AL;1uF,20%,250V,GP,TP,6.3x11.5	
4	C818	2401-000689 C-AL;2200UF,20%,16V,GP,13X25MM	
4	C848	2401-000689 C-AL;2200UF,20%,16V,GP,13X25MM	
4	C802	2401-000832 C-AL;220UF,20%,25V,GP,8X11MM,5	
4	C422	2401-000927 C-AL;22UF,20%,250V,GP,13X20MM,	
4	C808	2401-001192 C-AL;33UF,20%,50V,GP,6X11MM,5MM,TP	
4	C847	2401-001363 C-AL;470UF,20%,16V,GP,TP,10X12	
4	C402	2401-001397 C-AL;470UF,20%,25V,GP,10X16MM,	
4	C404	2401-001397 C-AL;470UF,20%,25V,GP,10X16MM,	

Loc. No.	Code No.	Description ; Specification	Remark
4	C609	2401-001914 C-AL;1uF,20%,50V,BP,TP,5x11.5	
4	C611	2401-001914 C-AL;1uF,20%,50V,BP,TP,5x11.5	
4	C604	2401-001998 C-AL;1000UF,20%,25V,GP,TP,10X20	
4	C829	2401-001998 C-AL;1000UF,20%,25V,GP,TP,10X20	
4	CG03	2401-002075 C-AL;4.7uF,20%,50V,GP,TP,5x11.5mm	
4	C620	2401-002144 C-AL;47uF,20%,16V,GP,TP,5x11.5	
4	C622	2401-002144 C-AL;47uF,20%,16V,GP,TP,5x11.5	
4	C427	2401-002267 C-AL;2.2UF,20%,250V,GP,8X12MM,	
4	C803	2401-002300 C-ELECTROLYTIC;CE04WTPAG50V47U	
4	CG01	2401-002459 C-AL;220UF,20%,25V,WT,10X16MM,	
4	CG02	2401-002459 C-AL;220UF,20%,25V,WT,10X16MM,	
4	C839	2401-002463 C-ELECTROLYTIC;CE04WTPAG16V470M-M(SG)-VE	
4	C819	2401-002594 C-AL;220uF,20%,16V,GP,TP,8x11.5.5	
4	C414	2401-002619 C-AL;47uF,20%,25V,GP,TP,5x11.5	
4	C621	2401-003034 C-AL;220UF,20%,16V,WT,TP,8X11.	
4	C822	2401-003139 C-AL;1000UF,20%,25V,WT,TP,10*2	
4	L205	2701-000114 INDUCTOR-AXIAL;10UH,10%,2.5X3.	
4	L208	2701-000114 INDUCTOR-AXIAL;10UH,10%,2.5X3.	
4	LG01	2701-000184 INDUCTOR-AXIAL;4.7UH,10%,2.5X3.4MM	
4	L302	3301-000287 CORE-FERRITEBEAD;AA,3.5X1.0X6.	
4	L303	3301-000287 CORE-FERRITEBEAD;AA,3.5X1.0X6.	
4	L304	3301-000287 CORE-FERRITEBEAD;AA,3.5X1.0X6.	
4	L305	3301-000287 CORE-FERRITEBEAD;AA,3.5X1.0X6.	
△ 4	L401	3301-000287 CORE-FERRITEBEAD;AA,3.5X1.0X6.	
4	L801	3301-000287 CORE-FERRITEBEAD;AA,3.5X1.0X6.	
4	L803	3301-000287 CORE-FERRITEBEAD;AA,3.5X1.0X6.	
4	L804	3301-000287 CORE-FERRITEBEAD;AA,3.5X1.0X6.	
4	L809	3301-000287 CORE-FERRITEBEAD;AA,3.5X1.0X6.	
△ 4	FA801S	3601-001086 FUSE-AXIAL LEAD;125V,5A,FAST-ACTING,GLAS	
△ 4	FA802S	3601-001086 FUSE-AXIAL LEAD;125V,5A,FAST-ACTING,GLAS	
△ 4	FA803S	3601-001199 FUSE-AXIAL LEAD;125V,3A,SLOW-BLOW,EPOXY,	
4	F801A	3602-000114 FUSE-HOLDER;-,-30MOHM	
4	F801B	3602-000114 FUSE-HOLDER;-,-30MOHM	
4	CN402	3711-002642 POST-HEADER;67094-003(AUTO)	
4	CN601	3711-002644 POST-HEADER;67094-005(AUTO)	
4	CN501	3711-002646 POST-HEADER;67094-007(AUTO)	
4	CN502	3711-002646 POST-HEADER;67094-007(AUTO)	
4	J301	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
4	J302	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
4	J303	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
4	J304	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
4	J305	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
4	J306	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
4	J401	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
4	J402	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
4	J403	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
4	J404	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
4	J405	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
4	J406	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
4	J407	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
4	J408	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
4	J601	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
4	J602	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
4	J603	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
4	J604	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
4	J801	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
4	J802	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
4	J803	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
4	J804	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
4	J805	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
4	J806	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
4	J807	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
4	J808	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
4	J809	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
4	J810	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
4	J811	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
4	J812	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
4	J813	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
4	J814	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
4	J815	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
4	J816	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
4	J817	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
4	J818	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
4	J819	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M/A	
4	EL01	6042-000001 EYELET;ID2.2,0D2.7,L3.1,SN,BSS3-E/EH	
4	EL02	6042-000001 EYELET;ID2.2,0D2.7,L3.1,SN,BSS3-E/EH	
4	EL06	6042-000001 EYELET;ID2.2,0D2.7,L3.1,SN,BSS3-E/EH	



Loc. No.	Code No.	Description ; Specification	Remark
4	EL07	6042-000001 EYELET;ID2.2,OD2.7,L3.1,SN,BSS3-E/EH	
4	EL08	6042-000001 EYELET;ID2.2,OD2.7,L3.1,SN,BSS3-E/EH	
4	EL09	6042-000001 EYELET;ID2.2,OD2.7,L3.1,SN,BSS3-E/EH	
4	EL10	6042-000001 EYELET;ID2.2,OD2.7,L3.1,SN,BSS3-E/EH	
4	EL11	6042-000001 EYELET;ID2.2,OD2.7,L3.1,SN,BSS3-E/EH	
4	EL12	6042-000001 EYELET;ID2.2,OD2.7,L3.1,SN,BSS3-E/EH	
4	EL13	6042-000001 EYELET;ID2.2,OD2.7,L3.1,SN,BSS3-E/EH	
4	EL14	6042-000001 EYELET;ID2.2,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY01	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY02	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY03	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY04	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY05	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY06	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY07	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY08	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY09	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY10	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY11	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY12	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY13	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY14	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY15	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY16	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY17	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY18	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY19	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY20	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY21	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY22	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY23	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY24	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY25	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY26	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY27	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY28	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY29	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY30	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY31	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY32	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY33	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY34	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY35	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY36	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY37	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY38	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY39	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY40	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY41	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY42	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY43	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY44	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY45	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY46	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY47	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY48	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY49	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY50	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY51	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY52	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY53	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY54	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY55	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY56	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY57	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY58	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY59	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY60	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY61	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY62	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY63	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY64	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY65	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY66	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY67	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY68	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	
4	EY69	6042-000002 EYELET;ID1.5,OD2.7,L3.1,SN,BSS3-E/EH	

Loc. No.	Code No.	Description ; Specification	Remark
4	PCB	AA41-00795A PCB-POWER;TORNADOII,CEM-1,1L,A,1.6T,245X	
4	GT05	AA60-40014A PIN-GT,ASSY;1P,-,AUTO	
4	GT06	AA60-40014A PIN-GT,ASSY;1P,-,AUTO	
4	GT07	AA60-40014A PIN-GT,ASSY;1P,-,AUTO	
4	GT08	AA60-40014A PIN-GT,ASSY;1P,-,AUTO	
4	GT11	AA60-40014A PIN-GT,ASSY;1P,-,AUTO	
4	GT12	AA60-40014A PIN-GT,ASSY;1P,-,AUTO	
2	A/V	AA94-12832A ASSY PCB MISC-A/V;DP-29,TCE,SEA,SECA,V1	
3	BOX	0203-001269 TAPE-OPP MASKING;#301,T0.06,W75,L50000,N	
3	CN705A	3711-003973 CONNECTOR-HEADER;BOX,11P,1R,2.5mm,STRAIG	
3	JAC701	3722-001031 JACK-RCA;3P,3.6MM,#18,AU	
3	CNM711	AA39-00070A LEAD CONNECTOR-ASSY;4P,200mm,YBNH250-04,	
3	CNM712	AA39-20069A LEAD-CONNECTOR,ASSY;-YBNH025-	
3		AA63-10002A BAND-TIE;-NYLON66V2,-,L100,NTR,-,-	
3	BOX	AA63-70002A SHEET;-PEFOAM,T1.0,-,-,50G,-	
3		AA68-50062W LABEL-LINE,NO;A/P90(S),T0.2,-,-,WHT,-,-	
3	BOX	AA69-00367A PAD-PLATE;CB SW-2,YEL,555,555,-,-,C15A,-	
3	BOX	AA69-00918F PAD-CROSS;CB DW-2,YEL,555,75	
3	100	AA69-01049F MASTER CARTON;-CB DW-3,YEL,570,570,340,	
3		AA97-13522A ASSY AUTO-A/V;TORNADO-2(V18B)	
4	RM50	2001-000028 R-CARBON(S);1000HM,5%,1/2W,AB,	
4	RM51	2001-000028 R-CARBON(S);1000HM,5%,1/2W,AB,	
4	CM52	2202-000231 C-CERAMIC,MLC-AXIAL;330PF,10%,50V,Y5P,3.	
4	CM53	2202-000231 C-CERAMIC,MLC-AXIAL;330PF,10%,50V,Y5P,3.	
4	CM54	2202-000231 C-CERAMIC,MLC-AXIAL;330PF,10%,50V,Y5P,3.	
4	CM55	2202-000231 C-CERAMIC,MLC-AXIAL;330PF,10%,50V,Y5P,3.	
4	CM50	2401-002144 C-AL;47uF,20%,16V,GP,TP5x11,5	
4	CM51	2401-002144 C-AL;47uF,20%,16V,GP,TP5x11,5	
4	LM50	2701-000114 INDUCTOR-AXIAL;10UH,10%,2.5X3.	
4	LM51	2701-000114 INDUCTOR-AXIAL;10UH,10%,2.5X3.	
4	LM54	2701-000114 INDUCTOR-AXIAL;10UH,10%,2.5X3.	
4	LM55	2701-000114 INDUCTOR-AXIAL;10UH,10%,2.5X3.	
4	LM52	3301-000287 CORE-FERRITEBEAD;AA,3.5X1.0X6.	
4	LM53	3301-000287 CORE-FERRITEBEAD;AA,3.5X1.0X6.	
4	J701	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4	J702	3812-000219 JUMPER-WIRE-SO,COPPER;TA0.6SN/52M/M(A	
4	00VER	AA41-00797A PCB-A/V;TORNADOII,FR-1,1L,A,1.6T,245X245	

## ASSY COVER FRONT

1	A/CFRNT	AA90-04427D	ASSY COVER FRONT;TC29J6MNX/XAX
2	C/F	0203-001290	TAPE-OPP MASKING;ANT 100C,T0.073,W30,L50
2	AV+CF	6003-001268	SCREW-TAPTITE;TH,+,B,M4,0,L12,0,ZPC(YEL)
2	SPK+CF	6006-001095	SCREW-ASS'Y TAPT;WP,BH,+,M4,L12,ZPC(YEL)
2	CRT+CF	AA60-10050V	SCREW-ASSY;WC,HH,+,M6,L30,SWRCH18A,ZPC(S
2	BRKT	AA61-10054A	BRACKET-CRATER;-STS304,-,T0.5
2	R/CAP	AA73-00005B	RUBBER-CAP;FLAT,PRJ,SILICONE RUBBER,WHIT
2	A/SPK	AA96-01239A	ASSY SPEAKER P;80HM,AA39-00102R,5W,900/5
2	F/C	AA96-01242D	ASSY COVER P-FRONT;29J6,HIPS HB,G4309,SV
3	C/F	0203-001290	TAPE-OPP MASKING;ANT 100C,T0.073,W30,L50
3	DECO+CF	6003-001026	SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK),SWR
3	KD+CF	6003-001026	SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK),SWR
3	KF+CF	6003-001026	SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK),SWR
3	WR+CF	6003-001026	SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK),SWR
3	SDD	AA61-01223A	SPRING ETC-DOOR,DVD;21J5,SUS304,T0.3
3	SDV	AA61-01224A	SPRING ETC-DOOR,VCR;21J5,SUS304,T0.4
3	DH	AA64-02960E	DOOR-HOUSUNG;29J6,ABS,G4309,HG,DG703P
3	DECO	AA64-03127B	DECORATION;29J6,ABS,HG,G4309,DG703P
3	D/D	AA64-03128B	DOOR-DVD;29J6,ABS,HG,G4309,DG703P
3	KF	AA64-03129B	KNOB-FAMILY;29J6,ABS,HG,G3676,SV704P+W97
3	KD	AA64-03129C	KNOB-FAMILY;29J6,ABS,HG,G3676,SVM3012
3	WL	AA64-03132A	WINDOW-RMC,LED;29J6,PC,CLR
3	L/DVD	AA68-01132F	LABEL-DVD;21G5,HOLOGRAM,T0.3,425C
3	TOP	AA60-00091J	SPACER-FELT;FELT,330X10,-,-,BLK,T0.5,-
3	F/C	AA64-03125F	CABINET FRONT;29J6,HIPS,HG,G4309,SV012P
2	IN/AV	AA64-03148B	INLAY-AV;29J6,PS SHEET,T0.3
2	BADGE	AA64-70117B	BADGE-BRAND;-AL,-,-,L65,R2000,SILVER,SS
2	L/QMS	AA68-02391A	LABEL-QMS;ART-PAPER(90)G,110x24mm
2	BRKT+CF	6002-000522	SCREW-TAPPING;TH,+,2,M4,L15,ZP
2	CWFCL	AA65-00011C	CLAMP-WIRE;ALL MODEL,NYLON 66,V2,NTR,25M
2	CW+SPK	AA65-30018A	CLAMP-WIRE;-NYLON6.6,-,-,DATL

Loc. No.	Code No.	Description ; Specification	Remark
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**ASSY COVER REAR**

1	A/REAR	AA90-04428C	ASSY COVER REAR;29J6,HIPS,G4309,HB,S/T,R
2	SPCBC	AA60-00091J	SPACER-FELT;-;FELT,330X10,-,-,BLK,T0.5,-
2	INLAYB	AA64-02820A	INLAY-BACK;21J5,PS SHEET,T0.5
2	B/C	AA64-03126C	CABINET BACK;29J6,HIPS,HB,G4309
2	AC+BC	AA65-30008A	CLAMP-CORD;-;PE,HB,BLK,-,-
2	CB+CF	AA60-10050T	SCREW-TAPPING;RH,+,2S,M4,L20,ZPC(BLK),SW
2	CB+RCA	AA60-10050T	SCREW-TAPPING;RH,+,2S,M4,L20,ZPC(BLK),SW

**ASSY LABEL**

1	A/LABEL	AA92-08144A	ASSY LABEL;PAL
2	L/RAT	AA68-02297A	LABEL RATING;TOJAN,ART PAPER 90,60X,90MM
2	L/DOLBY	AA68-01314B	LABEL-BACK,DOLBY;T/P,75,35,BLK,DOLBY DI

**ASSY BOX**

1	A/BOX	AA92-07421C	ASSY BOX;TC29J6MNX/XAX
2	PCK	AA69-02411A	PACKING CASE-OUT;29J6(SAMEX),D-4 AB,A1,Y
2	L/DOLBY	AA68-01793A	LABEL;BOX & NOM,WTH,PAPER,MEX & TIJ

**ASSY P/MATERIAL**

1	A/PACK	AA92-07422A	ASSY P/MATERIAL;29J6,CXM2785TPX/XAA
2	BOX	0203-001295	TAPE-OPP MASKING;1242,T0.06,W100,L91.4M,
2	TAPE B	0203-001295	TAPE-OPP MASKING;1242,T0.06,W100,L91.4M,
2	STAPLE	AA60-40006A	PIN-STAPLE;-,-,-,H18,33X17.8X2
2	C/SET	AA69-01878A	CUSHION-SET;29J6,PS FOAMED,C=0.02
2	PE-BAG	AA69-01210A	BAG;SHEET,32-36,W65,L63,FOAM,OEM.

Loc. No.	Code No.	Description ; Specification	Remark
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**ASSY CPT**

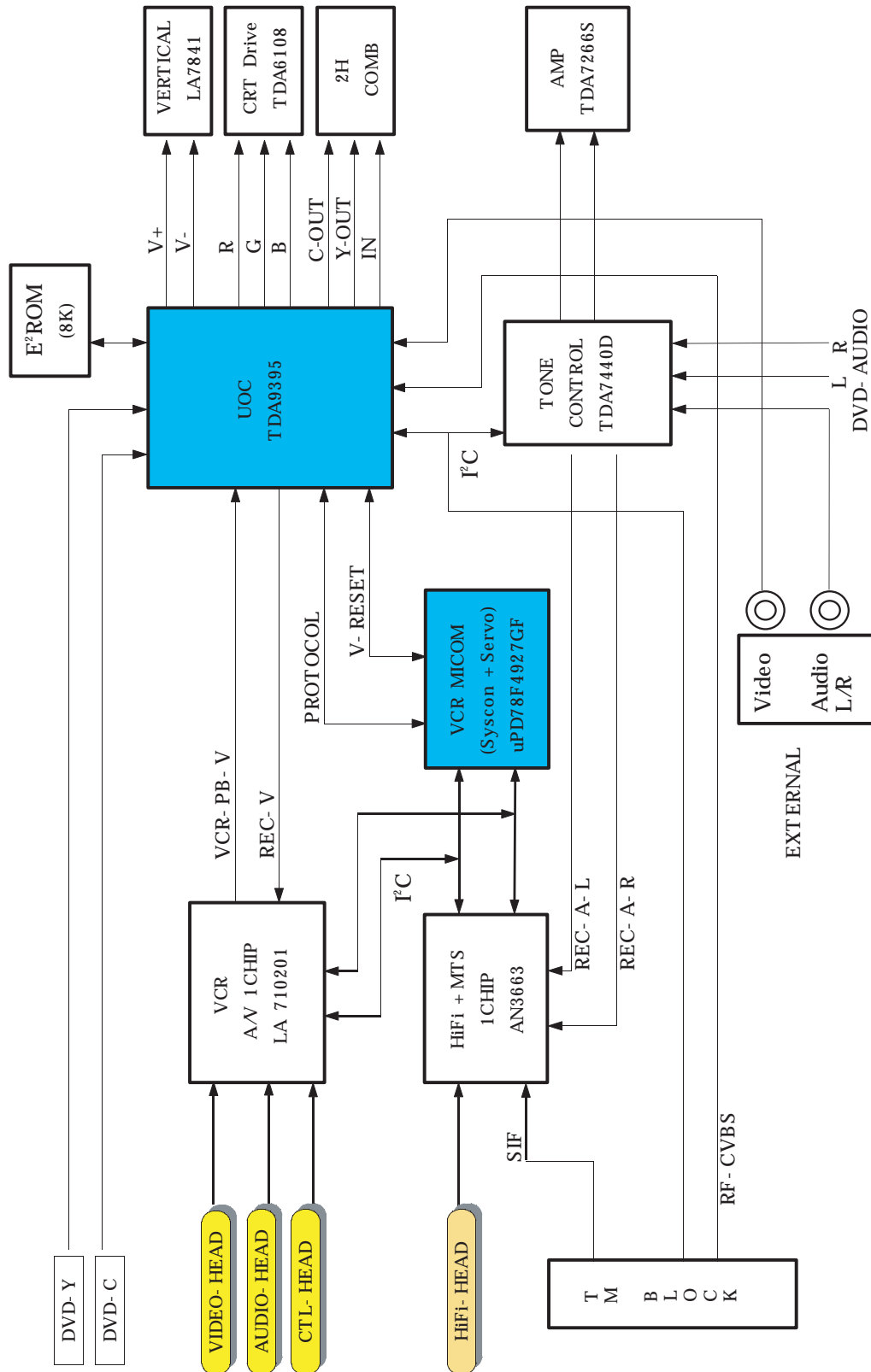
1	A/CPT	AA91-05992A	ASSY CPT;CXM2785TPX/XAA,V18B,SDI-FLAT,+4
△ 2	CRT	AA03-00273A	CRT COLOR;A68QCP891X100,380MG,1.11MH,14
2	D-COIL	AA27-00215A	COIL DEGAUSSING;29INCH,10%,50T,4.5OHM,2
2	A/TBC	AA98-70011A	ASSY-TBC;WIRE(P);-,29,NTSC,PAL,2P
2	CD-COIL	AA65-00019A	CLAMP CORE-D,COIL;25-34,NYLON 66,V2,NTR
2	T-CRT	0203-001160	TAPE FILAMENT SCOTCH#8915,T0.16,W24,L0.1
2	S/CRT	AA63-60004Z	SPACER-GUM,CRT;ALL MODEL,NTR RUBBER,-,-,

**ASSY ACCESSORY**

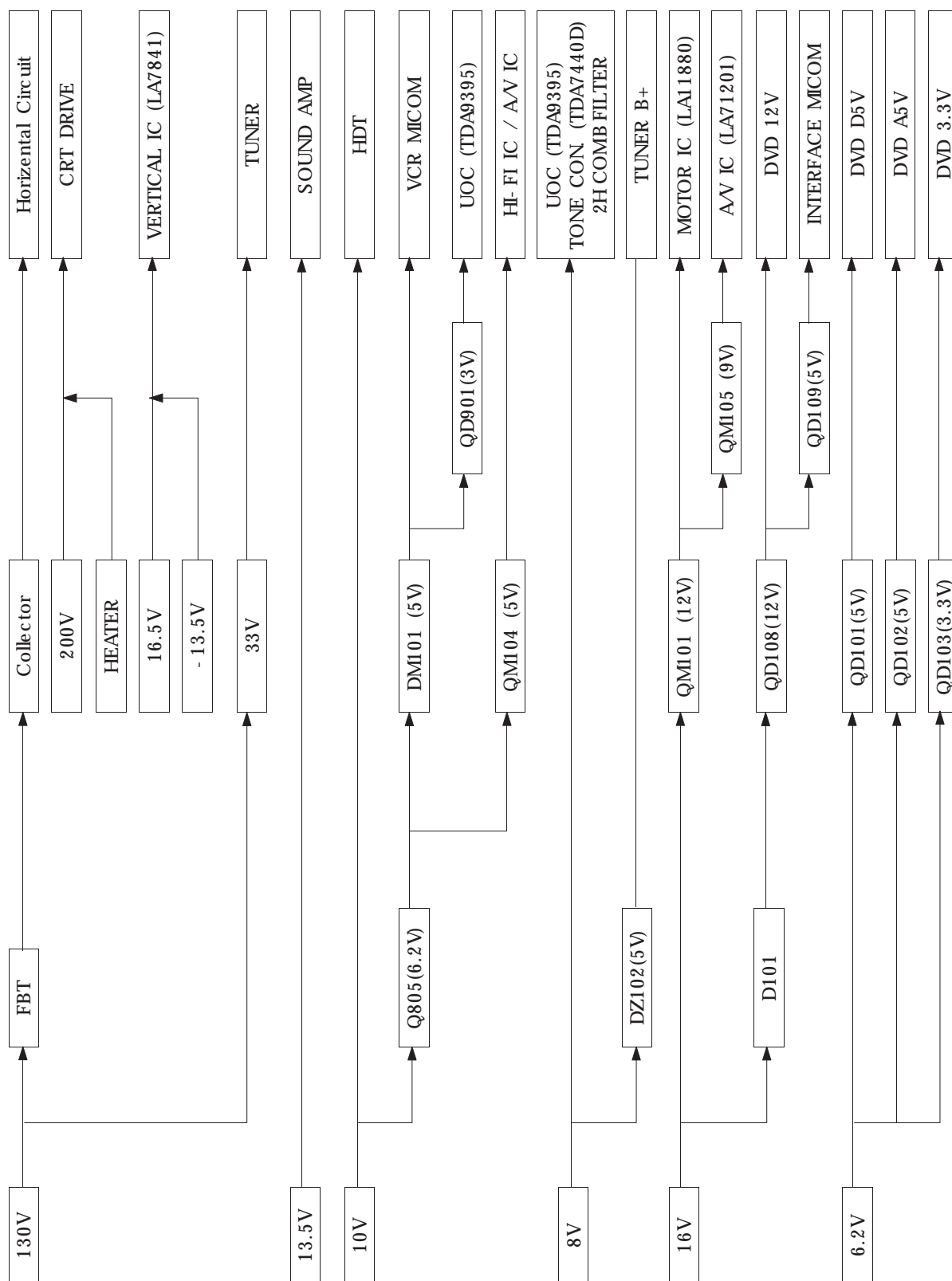
1	A/ACCE	AA92-08103A	ASSY ACCESSORY;TC29J6MNX/XAX,V18B
2	BATT	4301-000120	BATTERY-MN;1.5V;-;AA
2	RMT	AA59-00265B	REMOCON;TM65,3WAY COMBO,53,G6671B,S/S,S
2	W/CARD	AA68-00559C	CARD WARRANTY;-,-,W/P150(G);-,138X212,-,
2	C/REG	AA68-02967A	MARK RECYCLE-CARD REGISTRATION;8.5X11,
2	M/SERV	AA68-02879A	MANUAL SERVICE;WHT,ALL MEX&TIJ
2	BAG-PE	AA69-01195A	BAG PE;CL29A6W8X,HDPET0.012,93/4X151
2	L/CONS	AA68-01574A	LABEL;CONSIGN-REEXPL,W;3,1/2; 1,15
2	I/B	AA68-02966A	MANUAL USERS;V18B,SPA,W/P100(G)B5

## 8. Block Diagrams

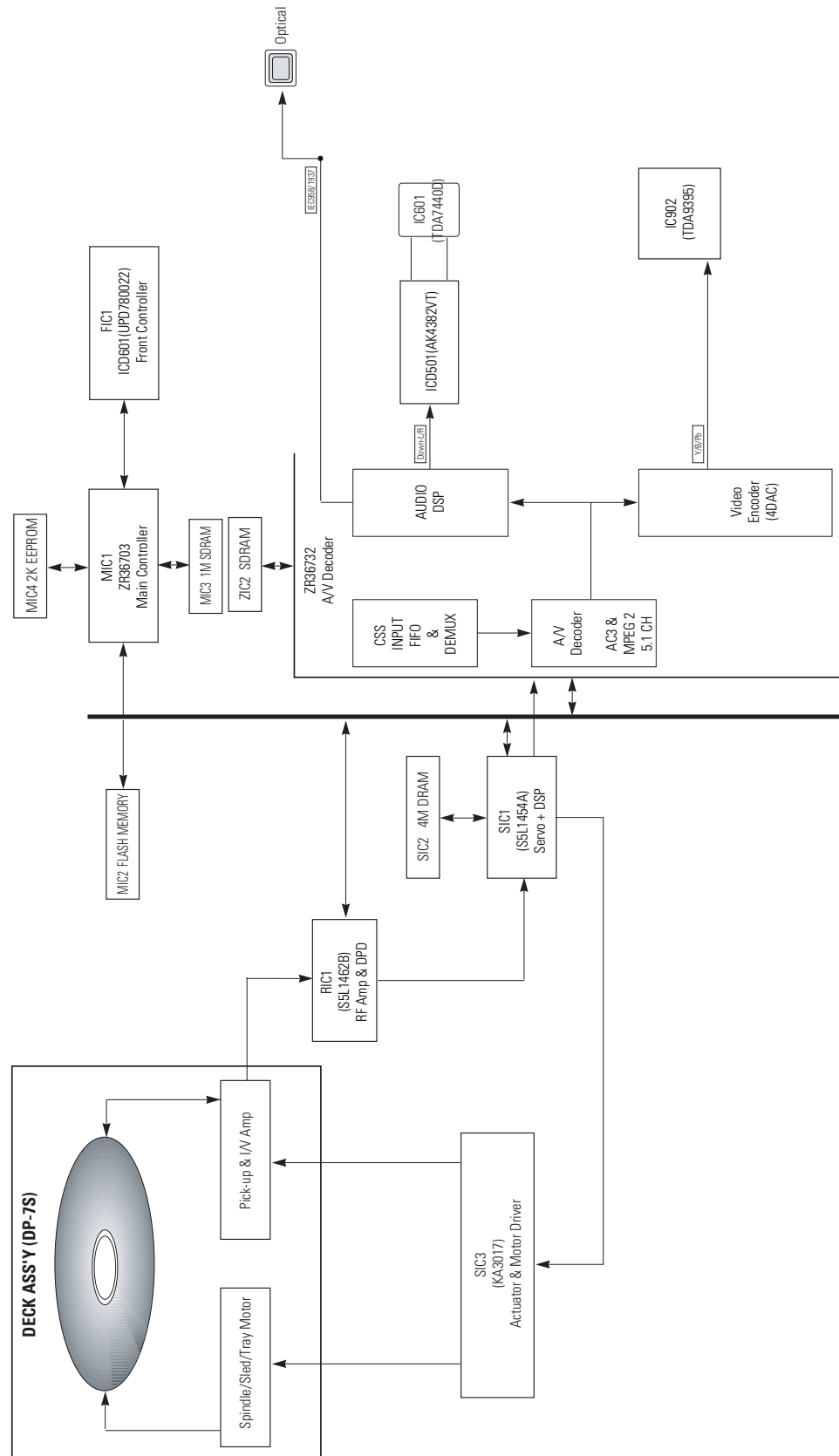
### 8-1 Signal Block Diagram



## 8-2 POWER Block Diagram



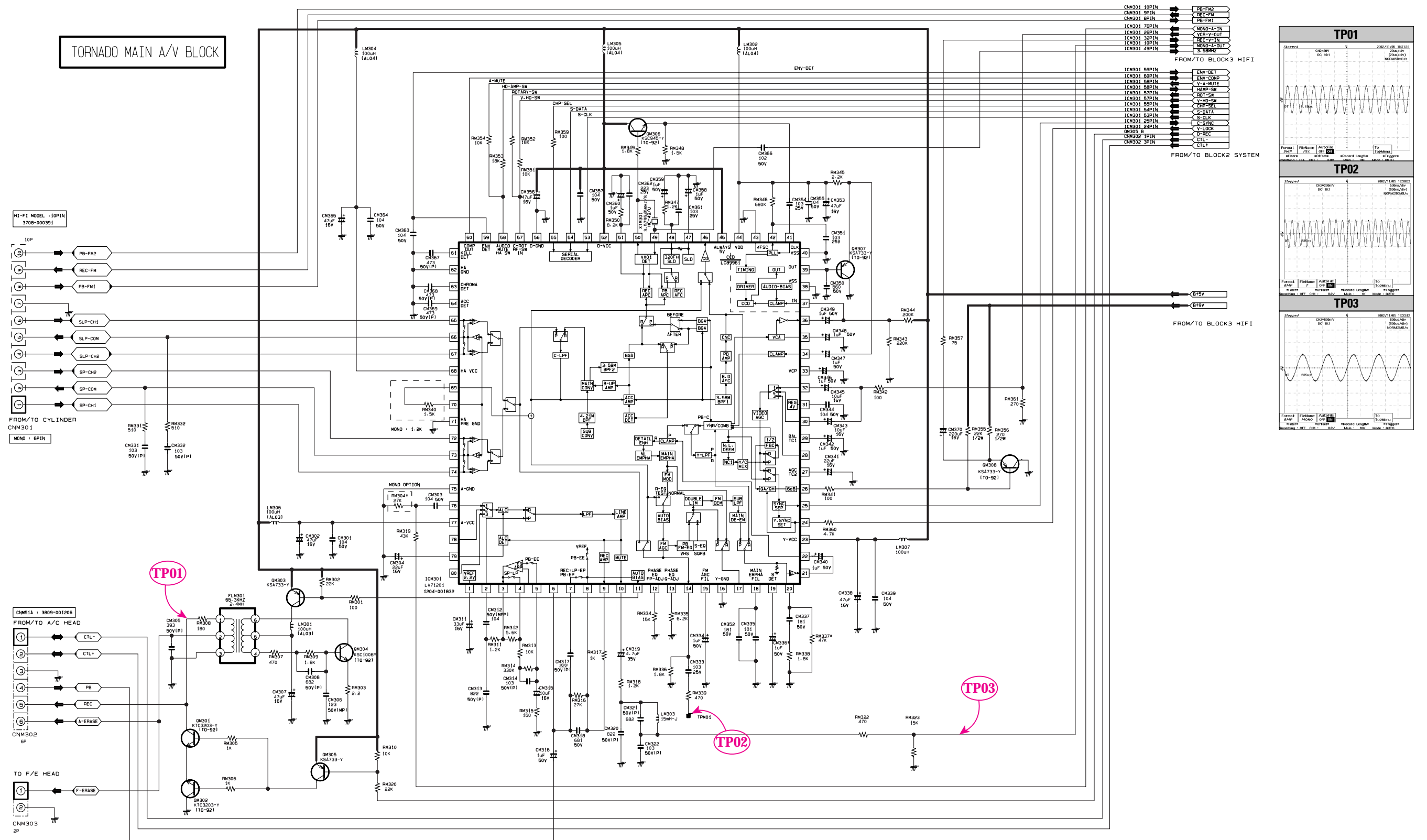
## 8-3 DVD Block



# MEMO

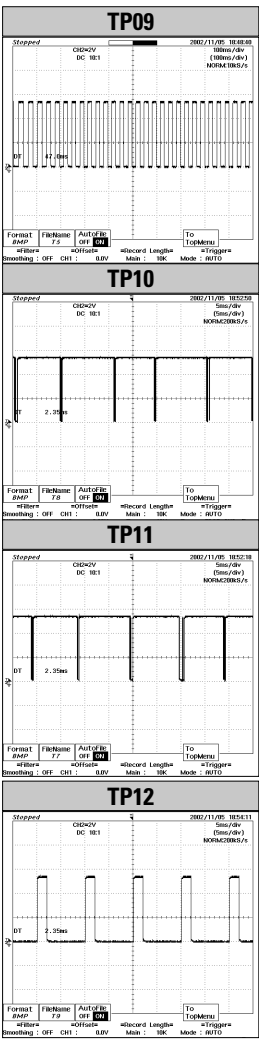
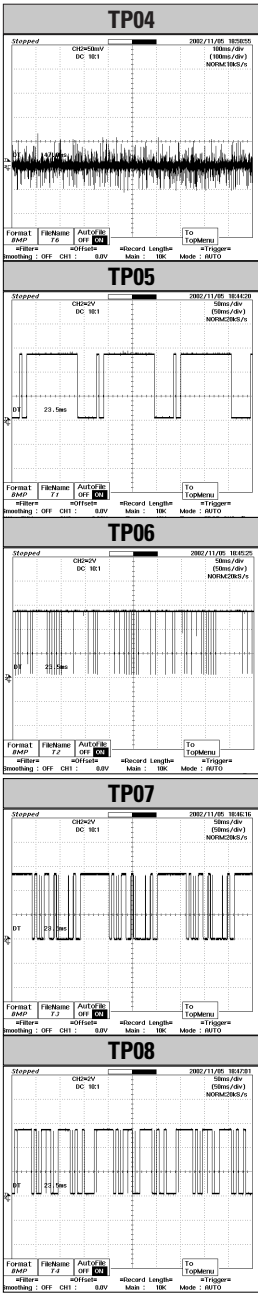
## 9. Schematic Diagrams

**9-1 MAIN 1**

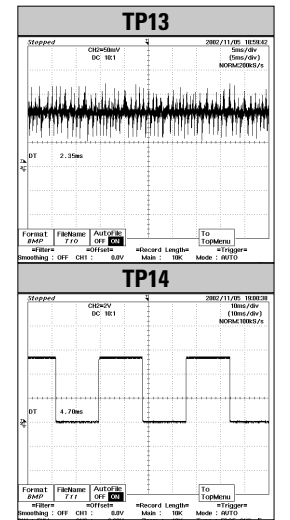




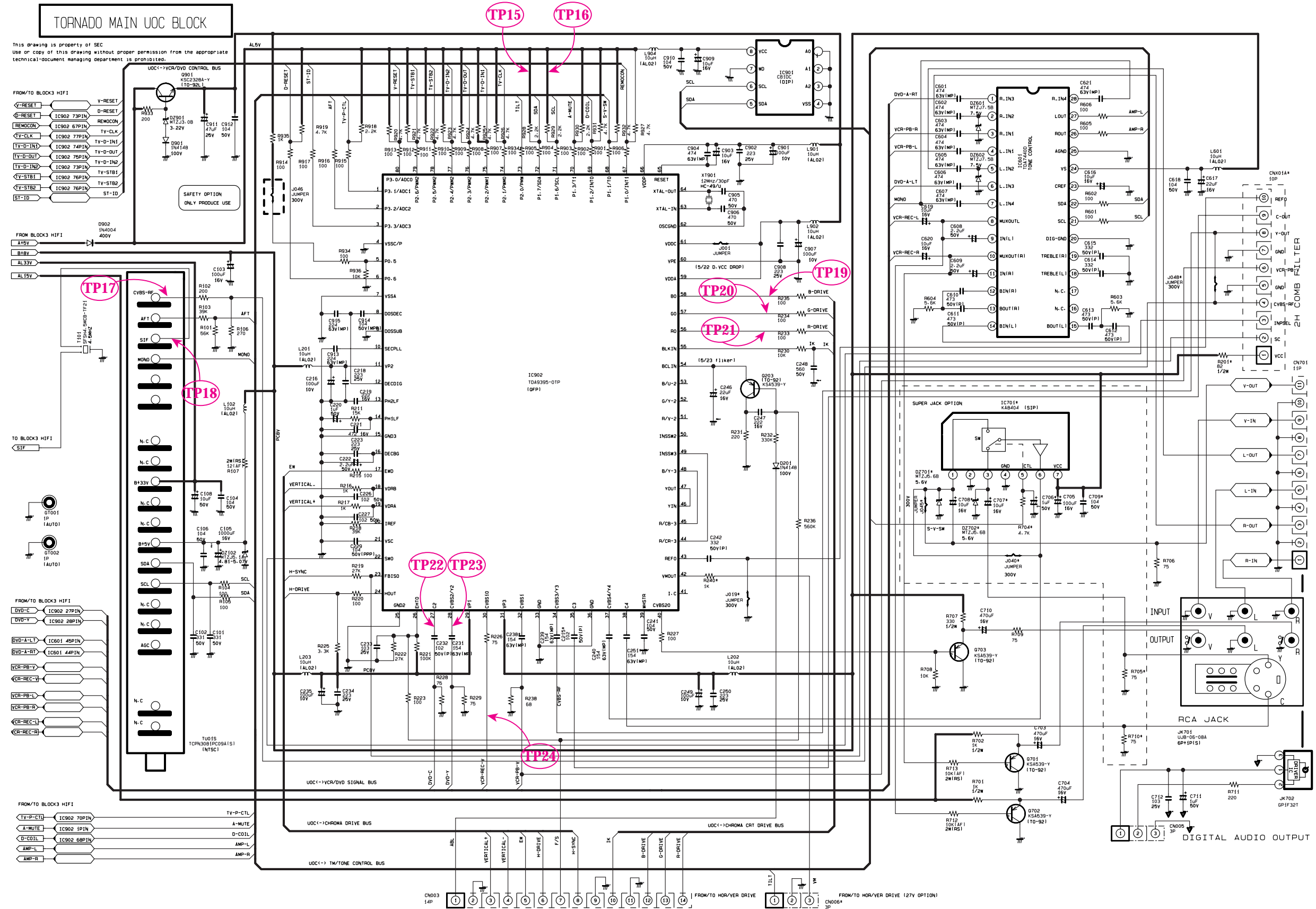


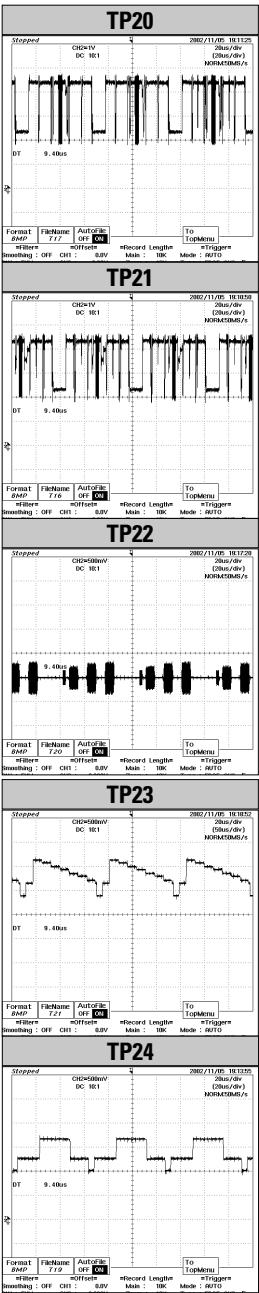
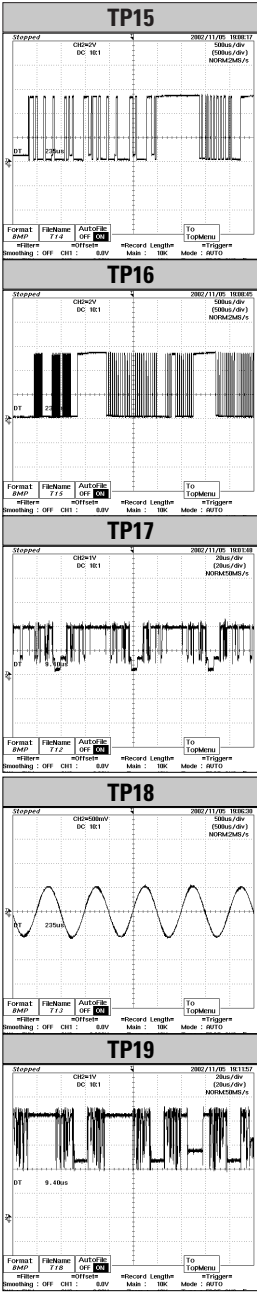


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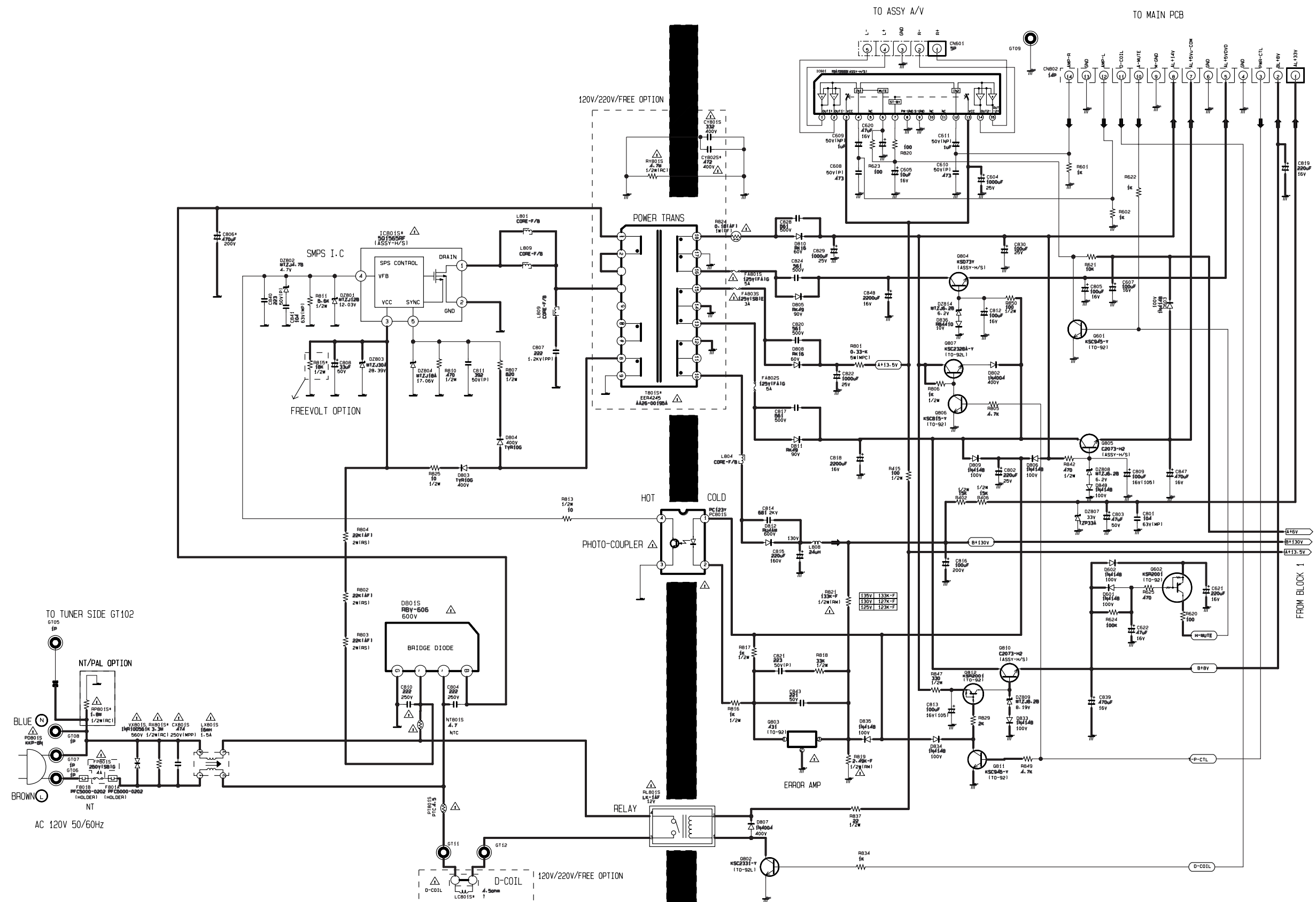


## 9-4 MAIN 4

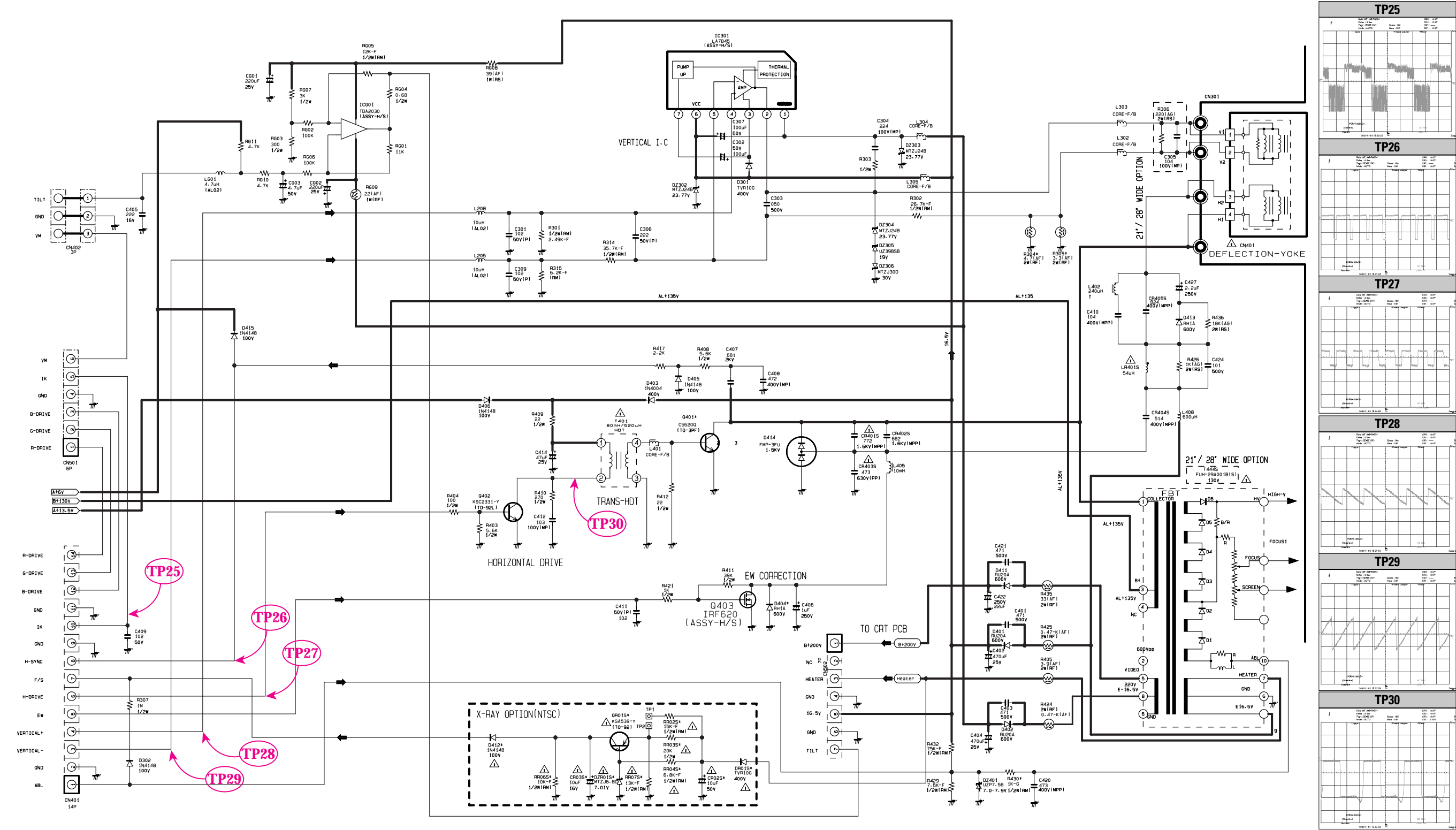




## 9-5 POWER BLOCK



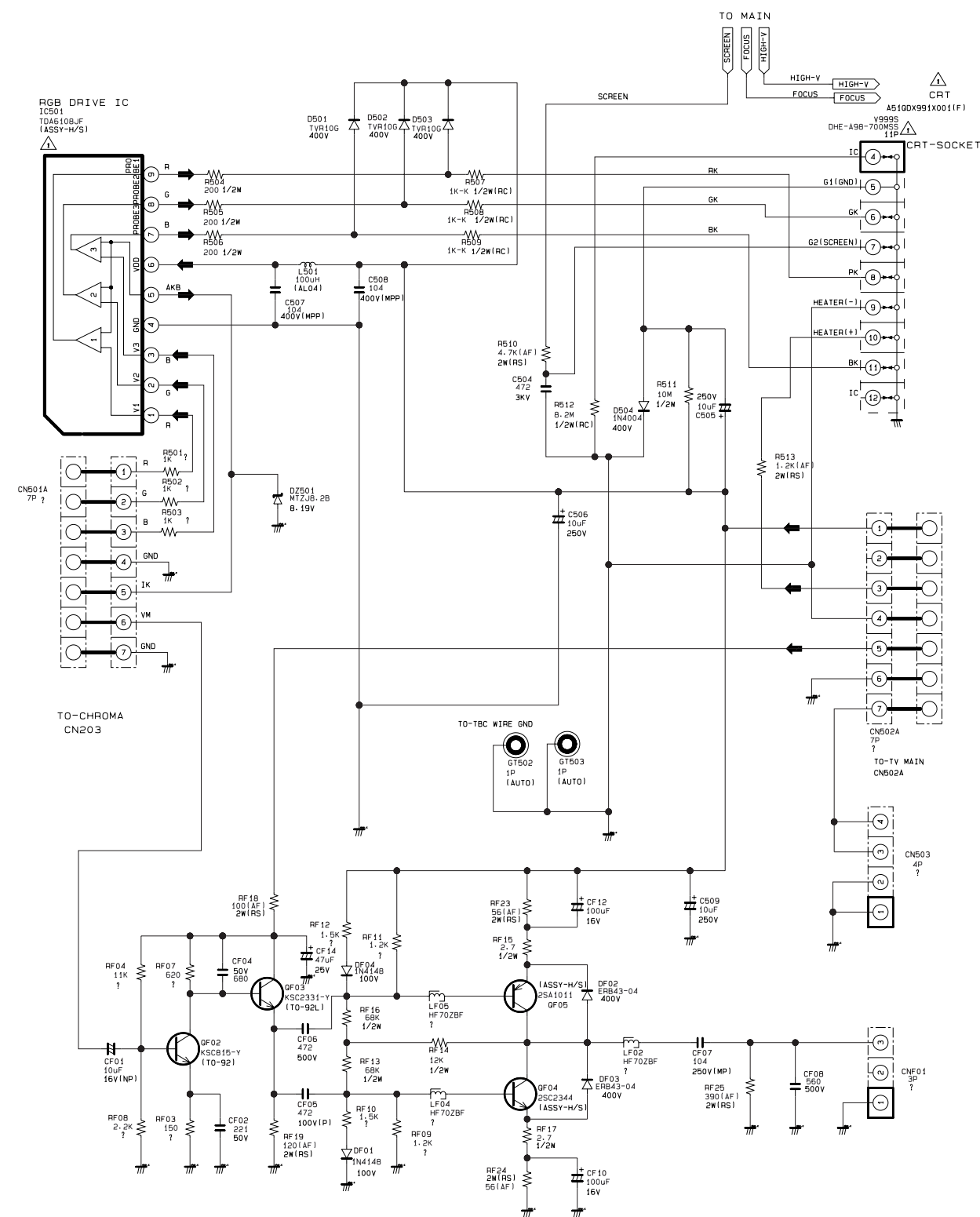
9-6 DEFLECTION BLOCK







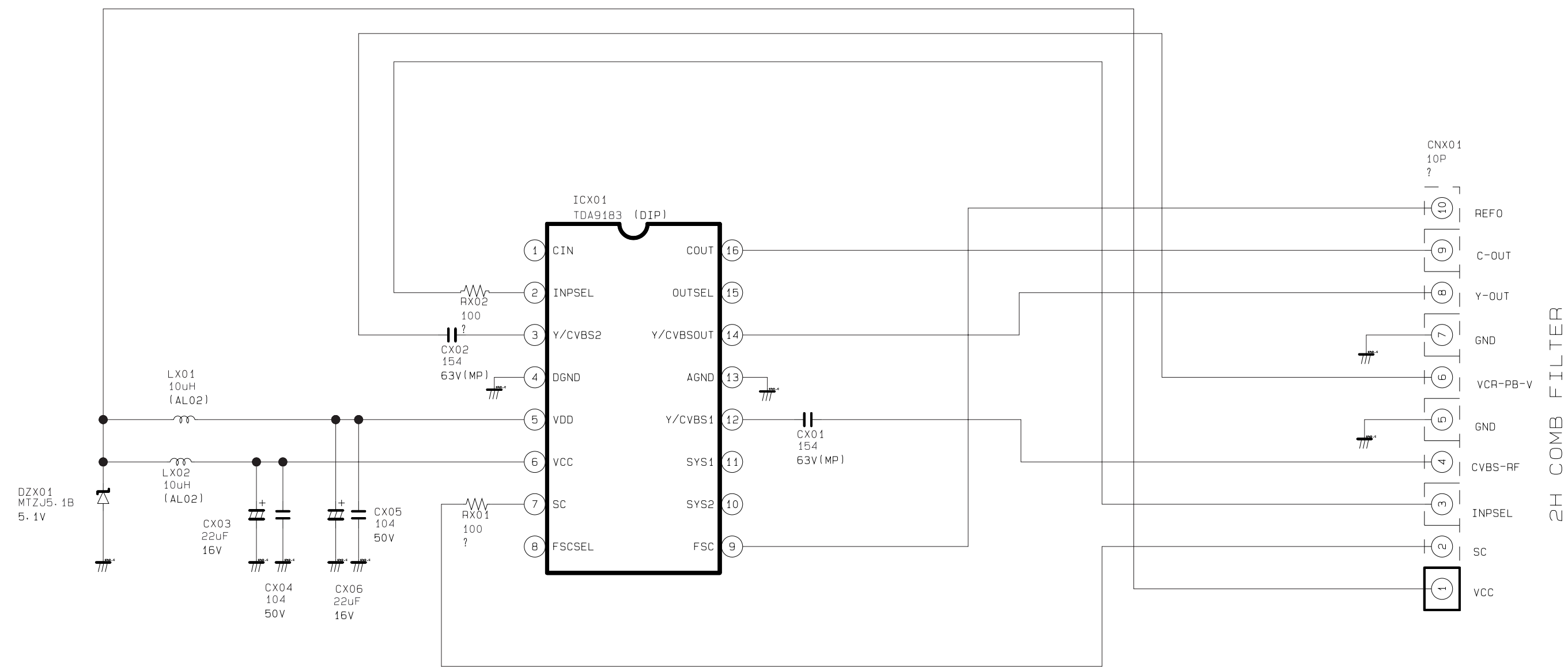
9-8 CRT BLOCK



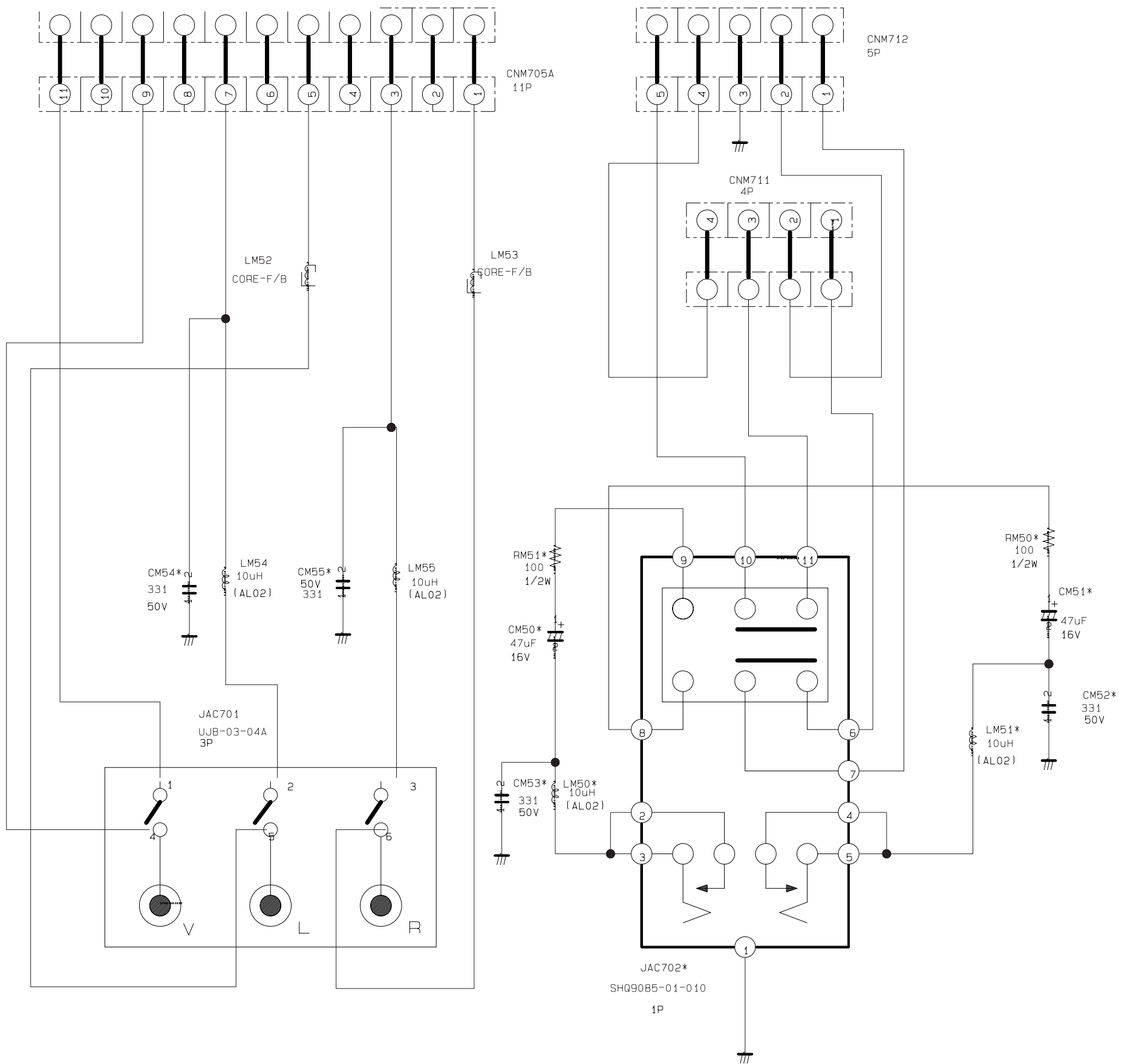


9-9 COMB

27V 3WAY COMBO 2H COMB FILTER



9-10 AV-Decoder



## 9-11 IC PIN VOLTAGE

### IC301 Vertical IC

Pin No	Pin Name	Voltage	Remark
1	-	-14V	Picture On
3	-	19V	
6	VCC	18.5V	
7	-	-12V	

### IC801S STR

Pin No	Pin Name	Voltage	Remark
3	VCC	24V	

### IC601 Sound Amp

Pin No	Pin Name	Voltage	Remark
3	VCC	16V	Picture On
13			
6	A+6V	5.6V	
7	A+6V	5.6V	

### ICM601 VCR Micom

Pin No	Pin Name	Voltage	Remark
4	CTL-OUT	-	Play:3.1V No Play:5.2V
6	TV CLK	5.2V	Stby, On, Play
12	S-CLK	5.2V	
14	A+5V	5.2V	
20	Reset	5.2V	
33	D-Rec	5.2V	Stby, On
35	Mode-SW-A	5.2V	On, Play
37	V-P-CTL	5.2V	
38	-	5.2V	
39	-	-	Stby :4.7V On/PlaY;5.2V
41	VCC	5.2V	Stby, On, Play
44	-	5.2V	
59	VCC	5.2V	
60	VCC	5.2V	
61	PWR-DET	5.2V	
66	ICC-Data	5V	
67	ICC-CLK	5V	
69	VCC	5.2V	
70	VCC	5.2V	
73	Rec-SW	5.2V	
76	End-Sensor	5.2V	
77	Start-Sensor	5.2V	
92	A-VCC	5.2V	
99	-	5.2V	On

### ICM301 A/V IC

Pin No	Pin Name	Voltage	Remark
11	-	5V	
23	B+5V	5V	
44	B+5V	5V	
45	B+5V	5V	
47	-	3.5V	
48	-	3.5V	
49	-	4V	
52	B+5V	5V	
53	S-CLK	5V	
68	B+5V	5V	
77	B+5V	5V	

### ICM501 HI-FI IC

Pin No	Pin Name	Voltage	Remark
25	Pre/Rec VCC	5V	On
40	VCC	4.8V	
42	Clock	5V	Stby, On, Play
43	Data	5V	
46	Stereo-PIL	3.2V	On
50	Sap	3.2V	
51	MTS VCC	4.8V	
53	VCR-PB-R	4.2V	
57	VCR-PB-L	4.2V	
58	VCC	8.9V	

### IC902 TV MICOM

Pin No	Pin Name	Voltage	Remark
1	TV-P-CTL	4.3V	Picture On
6	D-Reset	5.4V	
11	B+8V	8.1V	
12	-	5V	
14	-	3.7V	
16	-	4V	
17	EW	3.7V	
20	-	3.8V	
21	-	3.8V	
28	DVD-Y	3.3V	
29	PC8V	8.2V	
31	PC8V	8.2V	
32	VCR-PB-V	3.3V	
34	CVBS-RF	4V	
40	-	3.3V	
74	TV-CLK	5.4V	Stby, On
80	V-Reset	5.4V	

### IC601 TONE Control

Pin No	Pin Name	Voltage	Remark
24	VCC	8.2V	On

### IC901 EEPROM

Pin No	Pin Name	Voltage	Remark
8	VCC	5.3V	Stby, On

### ICM603 Motor Drive IC

Pin No	Pin Name	Voltage	Remark
9	VCC	12V	On