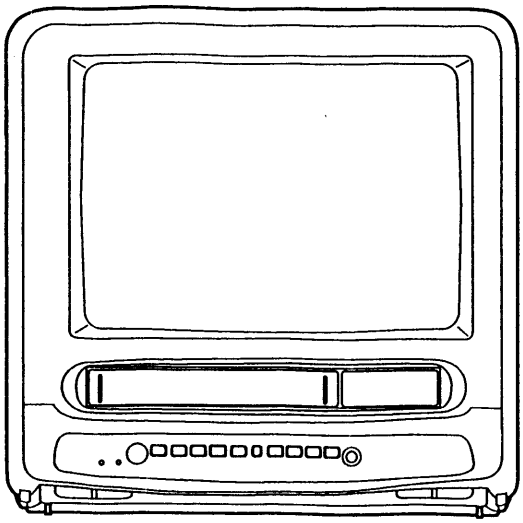


TEAC®

SERVICE MANUAL

MV-3410T/MV-4810T

COLOR TV/ VCR COMBINATI(

VHS
PAL

NOTES

- PC boards shown are viewed from parts side.
- Parts marked with * require longer delivery time.
- The parts with no reference number or no parts number in the exploded views are not supplied.
- As regards the resistors and capacitors, refer to the circuit diagrams contained in this manual.
- ⚠Parts marked with this sign are safety critical components. They must be replaced with identical components - refer to the appropriate parts list and ensure exact replacement.

MAIN SECTION

14" COLOR TV/VCR COMBINATION
20" COLOR TV/VCR COMBINATION

MV3410T
MV4810T

Sec. 1: Main Section

- **Specifications**
- **Preparation for Servicing**
- **Adjustment Procedures**
- **Schematic Diagrams**
- **CBA' s**

TABLE OF CONTENTS

OCT. 2 4. 1996

SPECIFICATIONS (MV3410T)

* Mode ---------SP mode
* Test input terminal
  <Except Tuner> ----------Video input (1Vp-p)
  Audio input (-10dBs)
  <Tuner> ----------Ant. input (80dBμV) Video: 87.5% MOD.
  Audio: 50KHz dev (1KHz)

<DEFLECTION>

Description	Condition	Unit	Nominal	Limit
1. Over Scan	—	%	90	—
2. Linearity	Horizontal	%	—	15
	Vertical	%	—	10
3. High Voltage	—	KV	24.5	—

<VIDEO & CHROMA>

Description	Condition	Unit	Nominal	Limit
1. Misconvergence	Center	m/m	—	0.4
	Corner	m/m	—	2.1
	Side	m/m	—	1.5
2. Contrast Control Range	—	dB	6	4
3. Brightness	APL 100%	ft-L	50	35
4. Color Temperature	—	K	8000-10MPCD	—

<VCR>

Description	Condition	Unit	Nominal	Limit
1. Horizontal Resolution	(R/P)	Line	230	200
2. Jitter (Low)	(R/P)	μS	0.05	0.2
3. S/N Chroma AM (SP)	(R/P)	dB	38	33
PM (SP)	(R/P)	dB	36	33
4. Wow & Flutter (WRMS)	(R/P)	%	0.25	0.5
5. Video S/N	(R/P)	dB	38	33

<TUNER>

Description	Condition	Unit	Nominal	Limit
1. Channel	VHF L		0~5A	
	VHF H		6~11	
	UHF		21~69	
2. Intermediat Frquency	Picture	MHz	38.9	
	Sound	MHz	33.4	

<AUDIO>

All items are measured across 8Ω resistor at speaker output terminal.

Description	Condition	Unit	Nominal	Limit
1. Audio Output Power(10%DIST.)	(R/P)	W	1.2	0.7
2. Audio S/N (W/LPF)	(R/P)	dB	40	35
3. Audio Distortion (W/LPF)	(R/P)	%	3.0	5.0
4. Audio Freq. Response (-20dB Ref. 1KHz)	200Hz (R/P) 6KHz (R/P)	dB dB	-2.0 -2.0	-2.0 ± 3.0 -2 ± 3.0

Note:

Nominal specifications represent the design specifications. All units should be able to approximate these. Some will exceed and some may drop slightly below these specifications. Limit specifications represent the absolute worst condition that still might be considered acceptable. In no case should a unit fail to meet limit specifications.

SPECIFICATIONS (MV4810T)

* Mode ---------SP mode
* Test input terminal
  <Except Tuner> ----------Video input (1Vp-p)
  Audio input (-10dBs)
  <Tuner> ----------Ant. input (80dBμV) Video: 87.5% MOD.
  Audio: 50KHz dev (1KHz)

<DEFLECTION>

Description	Condition	Unit	Nominal	Limit
1. Over Scan	—	%	90	—
2. Linearity	Horizontal	%	—	15
	Vertical	%	—	10
3. High Voltage	—	KV	24.5	—

<VIDEO & CHROMA>

Description	Condition	Unit	Nominal	Limit
1. Misconvergence	Center	m/m	—	0.4
	Corner	m/m	—	2.1
	Side	m/m	—	1.5
2. Contrast Control Range	—	dB	6	4
3. Brightness	APL 100%	ft-L	50	35
4. Color Temperature	—	K	8000-10MPCD	—

<VCR>

Description	Condition	Unit	Nominal	Limit
1. Horizontal Resolution	(R/P)	Line	230	200
2. Jitter (Low)	(R/P)	μS	0.05	0.2
3. S/N Chroma AM (SP)	(R/P)	dB	38	33
PM (SP)	(R/P)	dB	36	33
4. Wow & Flutter (WRMS)	(R/P)	%	0.25	0.5
5. Video S/N	(R/P)	dB	38	33

<TUNER>

Description	Condition	Unit	Nominal	Limit
1. Channel	VHF L		0~5A	
	VHF H		6~11	
	UHF		21~69	
2. Intermediat Frquency	Picture	MHz	38.9	
	Sound	MHz	33.4	

<AUDIO>

All items are measured across 8Ω resistor at speaker output terminal.

Description	Condition	Unit	Nominal	Limit
1. Audio Output Power(10%DIST.)	(R/P)	W	1.2	0.7
2. Audio S/N (W/LPF)	(R/P)	dB	40	35
3. Audio Distortion (W/LPF)	(R/P)	%	3.0	5.0
4. Audio Freq. Response (-20dB Ref. 1KHz)	200Hz (R/P) 6KHz (R/P)	dB dB	-2.0 -2.0	-2.0 ± 3.0 -2 ± 3.0

Note:

Nominal specifications represent the design specifications. All units should be able to approximate these. Some will exceed and some may drop slightly below these specifications. Limit specifications represent the absolute worst condition that still might be considered acceptable. In no case should a unit fail to meet limit specifications.

IMPORTANT SAFETY PRECAUTIONS

Prior to shipment from the factory, our products are strictly inspected for recognized product safety and electrical codes of the countries in which they are to be sold. However, in order to maintain such compliance, it is equally important to implement the following precautions when a set is being serviced.

Safety Precautions for TV Circuit

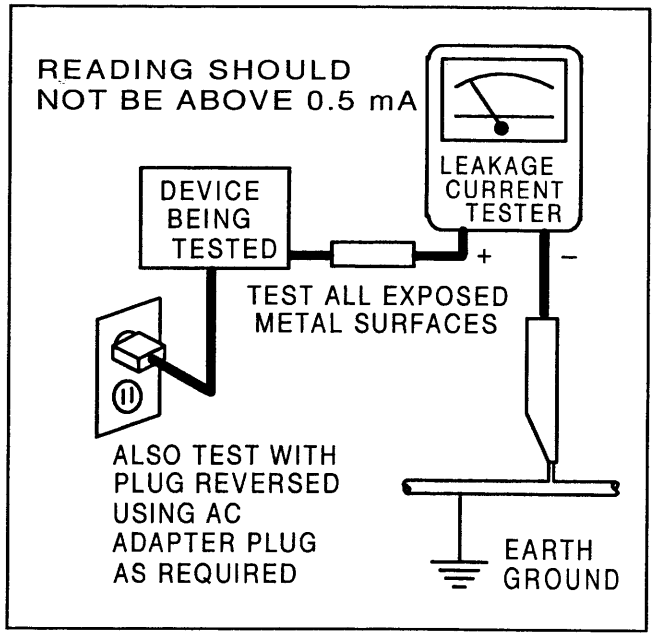
1. **Before returning an instrument to the customer,** always make a safety check of the entire instrument, including, but not limited to, the following items:

   a. Be sure that no built-in protective devices are defective and have been defeated during servicing. (1) Protective shields are provided on this chassis to protect both the technician and the customer. Correctly replace all missing protective shields, including any removed for servicing convenience. (2) When reinstalling the chassis and/or other assembly in the cabinet, be sure to put back in place all protective devices, including but not limited to, nonmetallic control knobs, insulating fishpapers, adjustment and compartment covers/shields, and isolation resistor/capacitor networks. **Do not operate this instrument or permit it to be operated without all protective devices correctly installed and functioning. Servicers who defeat safety features or fail to perform safety checks may be liable for any resulting damage.**

   b. Be sure that there are no cabinet openings through which an adult or child might be able to insert their fingers and contact a hazardous voltage. Such openings include, but are not limited to, (1) spacing between the picture tube and the cabinet mask, (2) excessively wide cabinet ventilation slots, and (3) an improperly fitted and/or incorrectly secured cabinet back cover.

   c. **Antenna Cold Check -** With the instrument AC plug removed from any AC source, connect an electrical jumper across the two AC plug prongs. Place the instrument AC switch in the on position. Connect one lead of an ohmmeter to the AC plug prongs tied together and touch the other ohmmeter lead in turn to each tuner antenna input exposed terminal screw and, if applicable, to the coaxial connector. If the measured resistance is less than 1.0 megohm or greater than 5.2 megohm, an abnormality exists that must be corrected before the instrument is returned to the customer. Repeat this test with the instrument AC switch in the off position.

   d. **Leakage Current Hot Check -** With the instrument completely reassembled, plug the AC line cord directly into a AC outlet. (Do not use an isolation transformer during this test.) Use a leakage current tester. With the instrument AC switch first in the on position and then in the off position, measure from a known earth ground (metal water pipe, conduit, etc.) to all exposed metal parts of the instrument (antennas, handle brackets, metal cabinet, screw heads, metallic overlays, control shafts, etc.), especially any exposed metal parts that offer an electrical return path to the chassis. Any current measured must not exceed 0.5 milliampere. Reverse the instrument power cord plug in the outlet and repeat the test.



ANY MEASUREMENTS NOT WITHIN THE LIMITS SPECIFIED HEREIN INDICATE A POTENTIAL SHOCK HAZARD THAT MUST BE ELIMINATED BEFORE RETURNING THE INSTRUMENT TO THE CUSTOMER OR BEFORE CONNECTING THE ANTENNA OR ACCESSORIES.

e. **X-Radiation and High Voltage Limits -** Because the picture tube is the primary potential source of X-radiation in solid-state TV receivers, it is specially constructed to prohibit X-radiation emissions. For continued X-radiation protection, the replacement picture tube must be the same type as the original. Also, because the picture tube shields and mounting hardware perform an X-radiation protection function, they must be correctly in place. High voltage must be measured each time servicing is performed that involves B+, horizontal deflection or high voltage. Correct operation of the X-radiation protection circuits also must be reconfirmed each time they are serviced. (X-radiation protection circuits also may be called "horizontal disable" or "hold down.") Read and apply the high voltage limits and, if the chassis is so equipped, the X-radiation protection circuit specifications given on instrument labels and in the Product Safety & X-Radiation Warning note on the service data chassis schematic. High voltage is maintained within specified limits by close tolerance safety-related components/adjustments in the high-voltage circuit. If high voltage exceeds specified limits, check each component specified on the chassis schematic and take corrective action.

2. Read and comply with all caution and safety-related notes on or inside the receiver cabinet, on the receiver chassis, or on the picture tube.

3. **Design Alteration Warning -** Do not alter or add to the mechanical or electrical design of this TV receiver. Design alterations and additions, including, but not limited to circuit modifications and the addition of items such as auxiliary audio and/or video output connections, might alter the safety characteristics of this receiver and create a hazard to the user. Any design alterations or additions will void the manufacturer's warranty and may make you, the servicer, responsible for personal injury or property damage resulting therefrom.

4. **Picture Tube Implosion Protection Warning -** The picture tube in this receiver employs integral implosion protection. For continued implosion protection, replace the picture tube only with one of the same type number. Do not remove, install, or otherwise handle the picture tube in any manner without first putting on shatterproof goggles equipped with side shields. People not so equipped must be kept safely away while picture tubes are handled. Keep the picture tube away from your body. Do not handle the picture tube by its neck. Some "in-line" picture tubes are equipped with a permanently attached deflection yoke; because of potential hazard, do not try to remove such "permanently attached" yokes from the picture tube.

5. **Hot Chassis Warning -**
a. Some TV receiver chassis are electrically connected directly to one conductor of the AC power cord and may be safety-serviced without an isolation transformer only if the AC power plug is inserted so that the chassis is connected to the ground side of the AC power source. To confirm that the AC power plug is inserted correctly, with an AC voltmeter, measure between the chassis and a known earth ground. If a voltage reading in excess of 1.0V is obtained, *remove and reinsert the AC power plug in the opposite polarity and again measure the voltage potential between the chassis and a known earth ground.
b. Some TV receiver chassis have a circuit which obtain voltage about 70% of AC voltage between chassis and earth ground regardless of the AC plug polarity. This chassis can be safety-serviced only with an isolation transformer inserted in the power line between the receiver and the AC power source, for both personnel and test equipment protection.
c. Some TV receiver chassis have a secondary ground system in addition to the main chassis ground. This secondary ground system is not isolated from the AC power line. The two ground systems are electrically separated by insulation material that must not be defeated or altered.
Note: * In case unit has no polarity AC plug only.

6. Observe original lead dress. Take extra care to assure correct lead dress in the following areas: a. near sharp edges, b. near thermally hot parts-be sure that leads and components do not touch thermally hot parts, c. the AC supply, d. high voltage, and e. antenna wiring. Always inspect in all areas for pinched, out of place, or frayed wiring. Check AC power cord for damage.

7. Components, parts, and/or wiring that appear to have overheated or are otherwise damaged should be replaced with components, parts, or wiring that meet original specifications. Additionally, determine the cause of overheating and/or damage and, if necessary, take corrective action to remove any potential safety hazard.

8. **Product Safety Notice -** Some electrical and mechanical parts have special safety-related characteristics which are often not evident from visual

inspection, nor can the protection they give necessarily be obtained by replacing them with components rated for higher voltage, wattage, etc.. Parts that have special safety characteristics are identified by a (⚠) on schematics and in parts lists. Use of a substitute replacement that does not have the same safety characteristics as the recommended replacement part might create shock, fire, and/or other hazards. The Product's Safety is under review continuously and new instructions are issued whenever appropriate. Prior to shipment from the factory, our products are strictly inspected to confirm with the recognized product safety and electrical codes of the countries in which they are to be sold. However, in order to maintain such compliance, it is equally important to implement the following precautions when a set is being serviced.

Precautions during Servicing

A. Parts identified by the (⚠) symbol are critical for safety.
Replace only with part number specified.

B. In addition to safety, other parts and assemblies are specified for conformance with regulations applying to spurious radiation. These must also be replaced only with specified replacements.
Examples: RF converters, RF cables, noise blocking capacitors, and noise blocking filters, etc.

C. Use specified internal wiring. Note especially:
1) Wires covered with PVC tubing
2) Double insulated wires
3) High voltage leads

D. Use specified insulating materials for hazardous live parts. Note especially:
1) Insulation Tape
2) PVC tubing
3) Spacers
4) Insulators for transistors.

E. When replacing AC primary side components (transformers, power cord, etc.), wrap ends of wires securely about the terminals before soldering.

F. Observe that the wires do not contact heat producing parts (heatsinks, oxide metal film resistors, fusible resistors, etc.)

G. Check that replaced wires do not contact sharp edged or pointed parts.

H. When a power cord has been replaced, check that 10-15 kg of force in any direction will not loosen it.(In Australia 5-6kg)

I. Also check areas surrounding repaired locations.

J. Use care that foreign objects (screws, solder droplets. etc.) do not remain inside the set.

K. Crimp type wire connector
When replacing the power transformer in sets where the connections between the power cord and power transformer primary lead wires are performed using crimp type connectors, in order to prevent shock hazards, perform carefully and precisely the following steps.
Replacement procedure
1) Remove the old connector by cutting the wires at a point close to the connector.
Important: Do not re-use a connector (discard it).
2) Strip about 15 mm of the insulation from the ends of the wires. If the wires are stranded, twist the strands to avoid frayed conductors.
3) Align the lengths of the wires to be connected. Insert the wires fully into the connector.
4) Use the crimping tool to crimp the metal sleeve at the center position. Be sure to crimp fully to the complete closure of the tool.

L. When connecting or disconnecting the VCR connectors, first, disconnect the AC plug from AC supply socket.

Safety Check after Servicing

Examine the area surrounding the repaired location for damage or deterioration. Observe that screws, parts and wires have been returned to original positions. Afterwards, perform the following tests and confirm the specified values in order to verify compliance with safety standards.

1. Clearance Distance

When replacing primary circuit components, confirm specified clearance distance (d) and (d') between soldered terminals, and between terminals and surrounding metallic parts. (See Fig. 1)

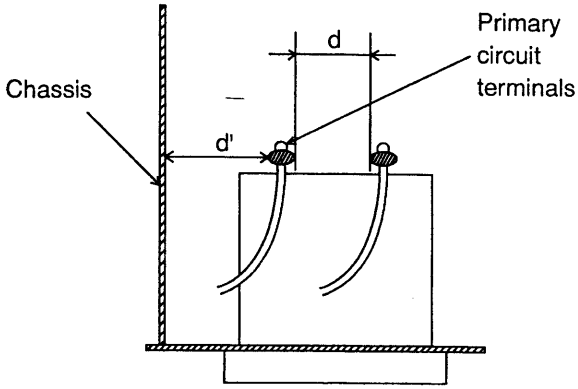


Fig. 1

Table 1 : Ratings for selected area

AC Line Voltage	Region	Clearance Distance (d) (d')
200 to 240 V	Europe Australia	≥ 4mm (d) ≥ 6mm (d')

Note: This table is unofficial and for reference only. Be sure to confirm the precise values.

2. Leakage Current Test

Confirm specified (or lower) leakage current between B (earth ground, power cord plug prongs) and externally exposed accessible parts (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.).

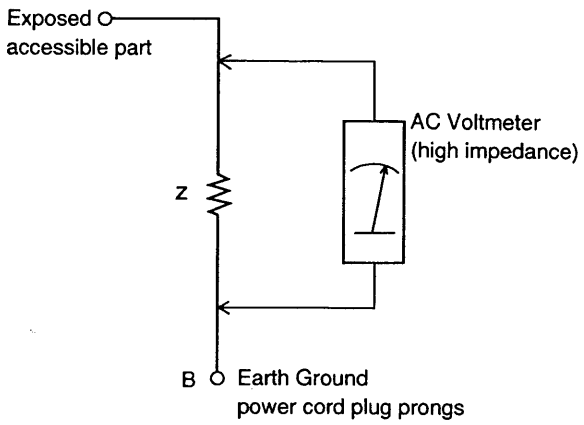


Fig. 2

Measuring Method : (Power ON)

Insert load Z between B (earth ground, power cord plug prongs) and exposed accessible parts. Use an AC voltmeter to measure across both terminals of load Z. See Fig. 2 and following table.

Table 2 : Leakage current ratings for selected areas

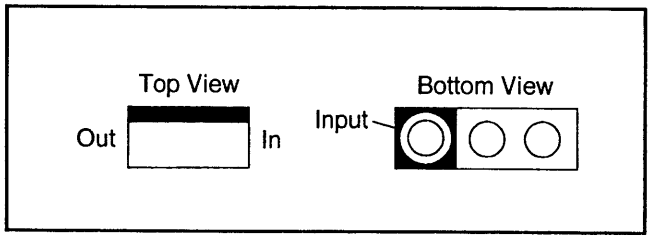
AC Line Voltage	Region	Load Z	Leakage Current (i)	Earth Ground (B) to:
200 to 240 V	Europe Australia	2kΩ RES. in connected	i≤0.7mA rms i≤2mA dc	Antenna terminals
		50kΩ RES. in connected	i≤0.7mA rms i≤2mA dc	Other terminals

Note: This table is unofficial and for reference only. Be sure to confirm the precise values.

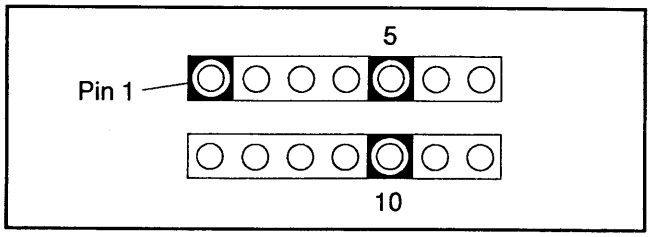
STANDARD NOTES FOR SERVICING

Circuit Board Indications

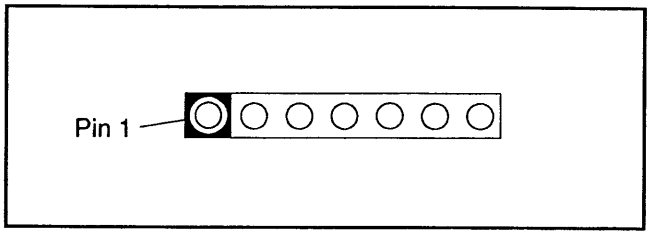
1. The output pin of the 3 pin Regulator ICs is indicated as shown:



2. For other ICs, pin 1 and every 5th pin are indicated as shown:

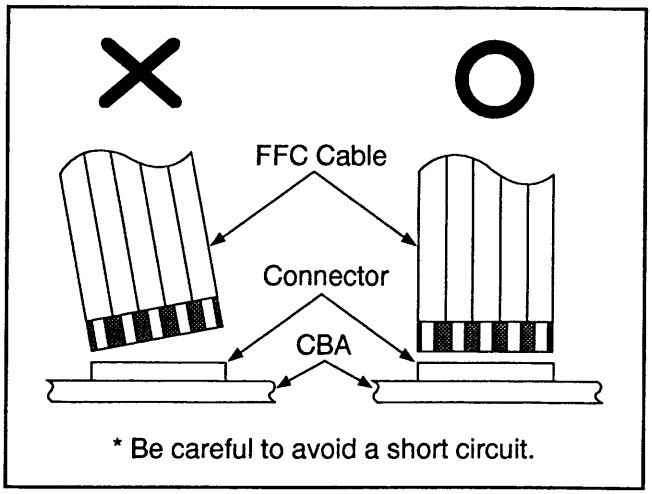


3. The 1st pin of every pin connector are indicated as shown:



Instructions for Connectors

1. When you connect or disconnect FFC cable (connector), be sure to disconnect the AC cord.
2. FFC cable (connector) should be inserted parallel into the connector, not at an angle.

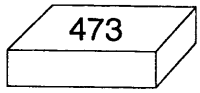


[CBA= Circuit Board Assembly]

How to Read the Values of the Rectangular Type Chip Components

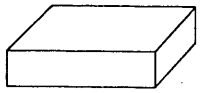
Example:

(a) Resistor



= 473 = 47 [kΩ] (Top View)

(b) Capacitor



= Not Shown (Top View)

Caution:

Once chip parts (Resistors, Capacitors, Transistors, etc.) are removed, they must not be reused. Always use a new part.

Replacement Procedures for Leadless (Chip) Components

The Following Procedures are Recommended for the Replacement of the Leadless Components Used in this Unit.

1. Preparation for replacement

a. Soldering Iron
Use a pencil-type soldering iron (less than 30 watts).

b. Solder
Eutectic solder (Tin 63%, Lead 37%) is recommended.

c. Soldering time
Do not apply heat for more than 4 seconds.

d. Preheating
Leadless capacitor must be preheated before installation. (130°C~150°C, for about two minutes.)

Notes:

a. Leadless components must not be reused after removal.

b. Excessive mechanical stress and rubbing for the component electrode must be avoided.

2. Removing the leadless component

Grasp the leadless component body with tweezers and alternately apply heat to both electrodes. When the solder on both electrodes has melted, remove leadless component with a twisting motion.

Notes:

a. Do not attempt to lift the component off the board until the component is completely disconnected from the board by the twisting action.

b. Take care not to break the copper foil on the printed board.

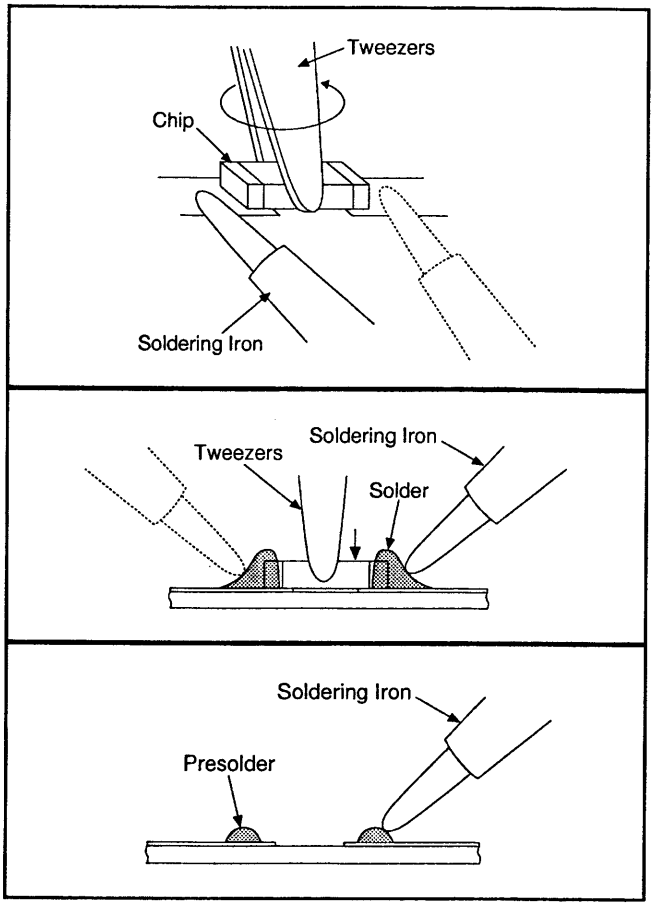
3. Installing the leadless component

a. Presolder the contact points of the circuit board.

b. Press the part downward with tweezers and solder both electrodes as shown below.

Note:

Do not glue the replacement leadless component to the circuit board.



How to Remove / Install Flat Pack IC

Caution:

1. Do not apply the hot air to the chip parts around the Flat Pack-IC for over 6 seconds as damage may occur to the chip parts. Put Masking Tape around the Flat Pack-IC to protect other parts from damage. (Fig. S-1-2)
2. The Flat Pack-IC on the CBA is affixed with glue, so be careful not to break or damage the foil of each pin or solder lands under the IC when removing it.

1. Removal

With Hot - Air Flat Pack - IC Desoldering Machine:

a. Prepare the Hot - Air Flat Pack - IC Desoldering Machine, then apply hot air to Flat Pack - IC (about 5~6 seconds). (Fig. S-1-1)

b. Remove the Flat Pack- IC with tweezers while applying the hot air.

With Soldering Iron:

a. Using desoldering braid, remove the solder from all pins of the Flat Pack - IC. When you use solder flux which is applied to all pins of the Flat Pack - IC, you can remove it easily. (Fig. S-1-3)

b. Lift each lead of the Flat Pack - IC upward one by one, using a sharp pin or wire to which solder will not adhere (iron wire). When heating the pins, use a fine tip soldering iron or a hot air Desoldering Machine. (Fig. S-1-4)

With Iron Wire:

a. Using desoldering braid, remove the solder from all pins of the Flat Pack - IC. When you use solder flux which is applied to all pins of the Flat Pack - IC, you can remove it easily. (Fig. S-1-3)

b. Affix the wire to a workbench or solid mounting point, as shown in Fig. S-1-5.

c. Pull up on the wire as the solder melts so as to lift the IC leads from the CBA contact pads, while heating the pins using a fine tip soldering iron or hot air blower.

Note:

When using a soldering iron, care must be taken to ensure that the Flat Pack - IC is not being held by glue, or when it is removed from the CBA, it may be damaged if force is used.

2. Installation

a. Using desoldering braid, remove the solder from the foil of each pin of the Flat Pack - IC on the CBA, so you can install a replacement Flat Pack - IC more easily.

b. The "●" mark on the Flat Pack - IC indicates pin 1 (See Fig. S-1-6). Make sure this mark matches the 1 on the CBA when positioning for installation. Then pre - solder the four corners of the Flat Pack- IC (See Fig. S-1-7).

c. Solder all pins of the Flat Pack - IC. Make sure that none of the pins have solder bridges.

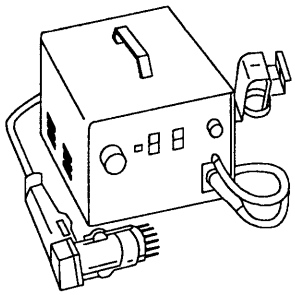


Fig. S-1-1

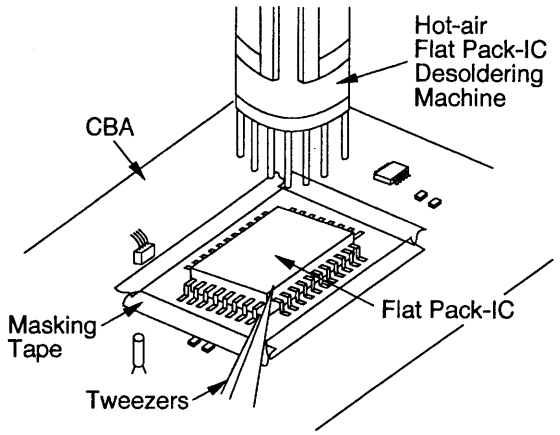


Fig. S-1-2

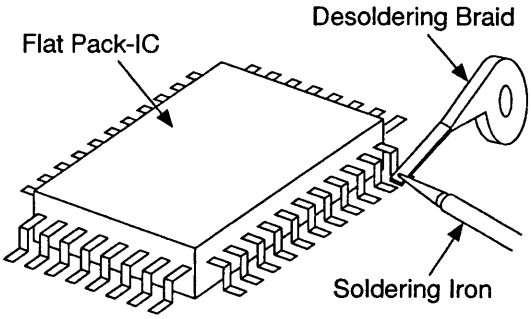


Fig. S-1-3

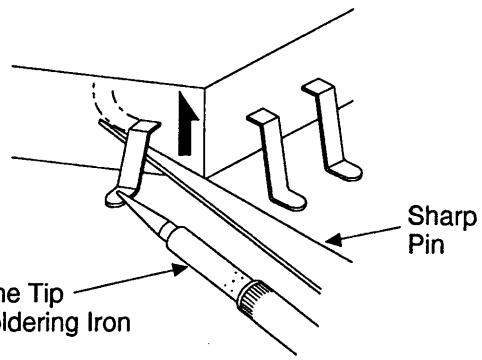


Fig. S-1-4

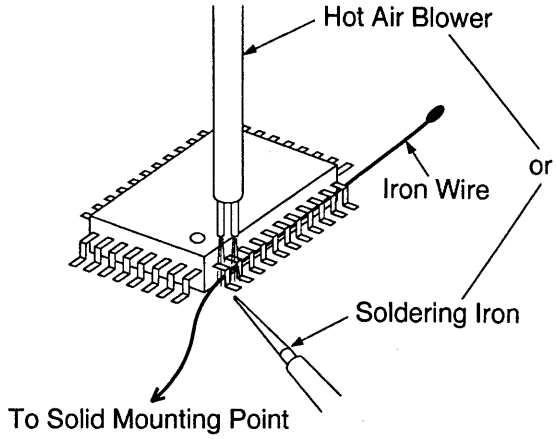


Fig. S-1-5

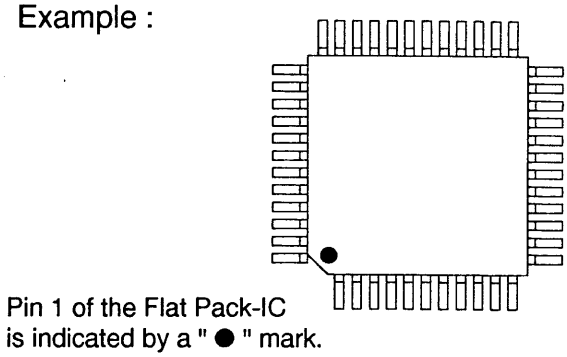


Fig. S-1-6

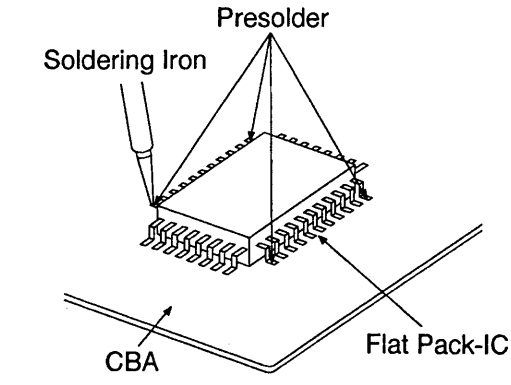


Fig. S-1-7

Instructions for Handling Semiconductors

Electrostatic breakdown of the semiconductors may occur due to a potential difference caused by electrostatic charge during unpacking or repair work.

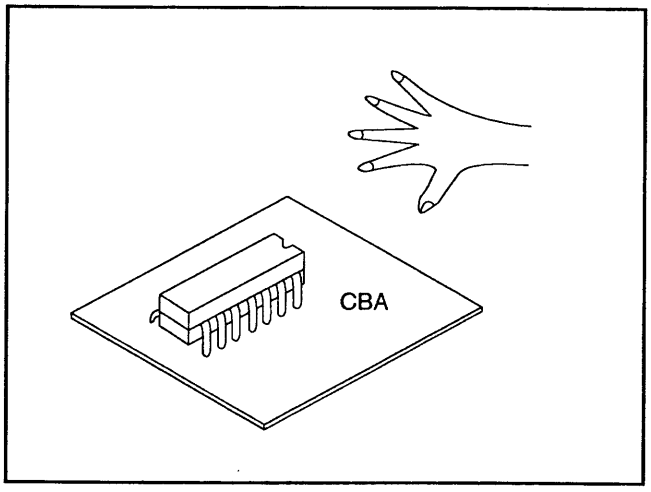
Ground for Human Body

Be sure to wear a grounding band (1MΩ) that is properly grounded to remove any static electricity that may be charged on the body.

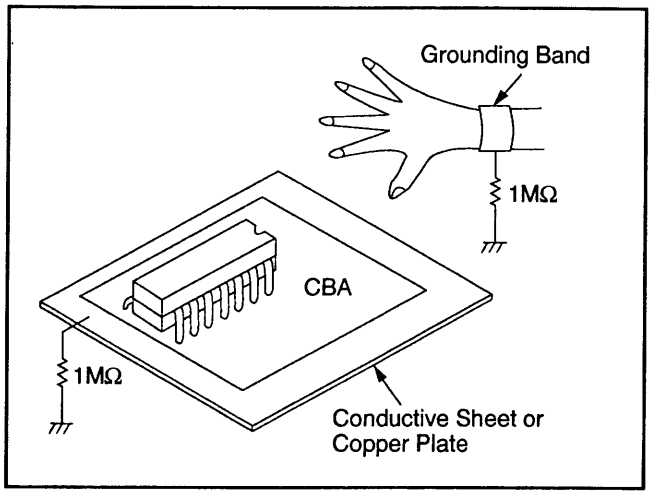
Ground for Work Bench

Be sure to place a conductive sheet or copper plate with proper grounding (1MΩ) on the work bench or other surface, where the semiconductors are to be placed. Because the static electricity charge on the clothing will not escape through the body grounding band, be careful to avoid contacting semiconductors to clothing.

Incorrect



Correct



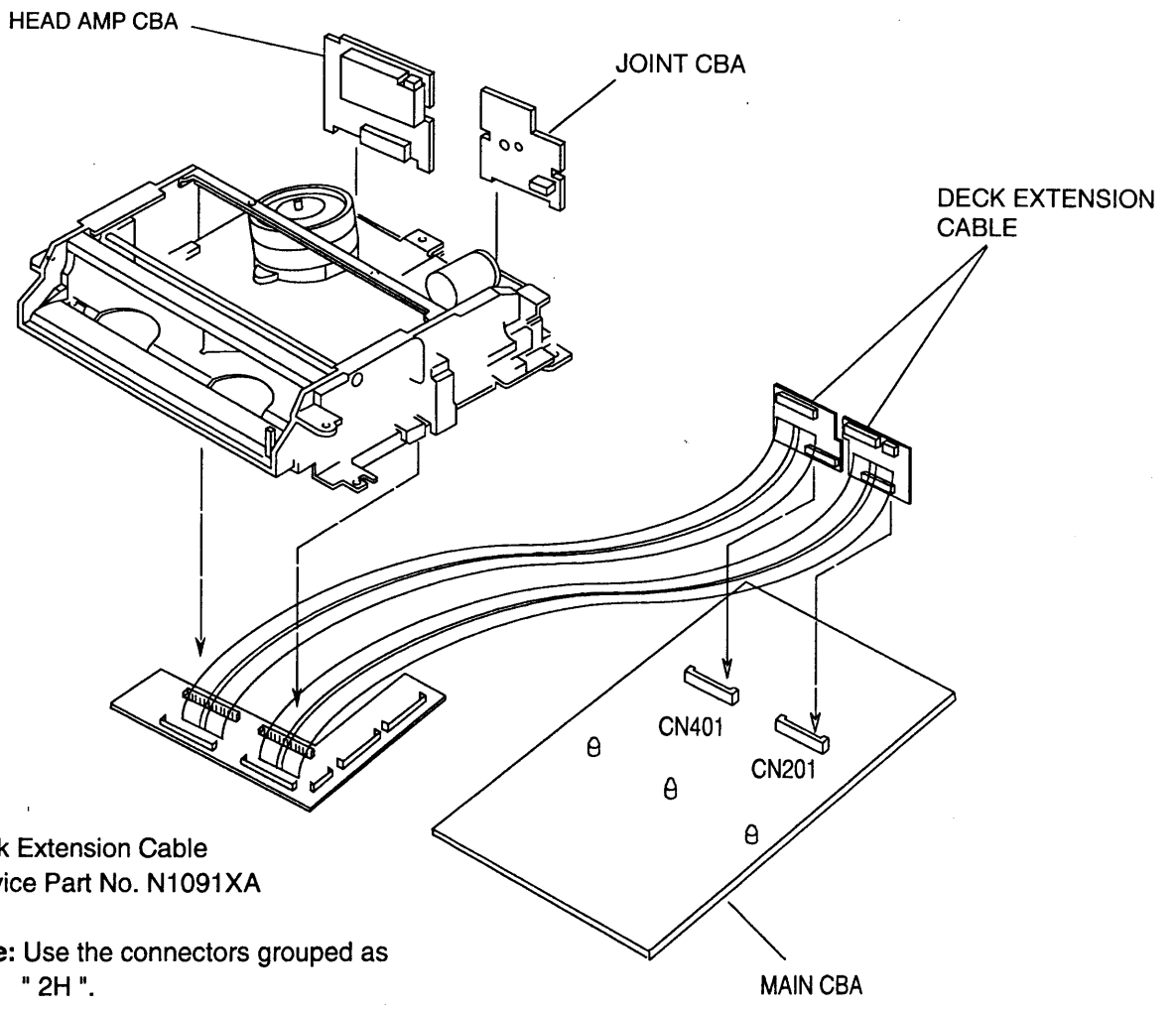
PREPARATION FOR SERVICING

How to Use Service Fixture

(1) Remove Deck Mechanism Assembly.
If needed, remove VCR CBA from chassis.
(2) Connect Deck Mechanism Assembly and VCR CBA by using the deck extension cable.

Note:

The deck extension cable can be used for both 4-head models and 2-head models.
Be sure to use correct connectors as specified.



Deck Extension Cable
Service Part No. N1091XA

Note: Use the connectors grouped as " 2H ".

How to Enter the Service Mode

Caution: 1

- Optical sensor system is used for Tape Start and End Sensor on this equipment. Read this page carefully and prepare as described on this page before starting to service: otherwise, the unit may operate unexpectedly.

Preparing: 1

- Cover Q206 (START SENSOR) and Q205 (END SENSOR) with Insulation Tape or enter the service mode to activate Sensor Inhibition automatically.
  Note: Avoid playing, rewinding or fast forwarding the tape to its beginning or end, because both Tape End Sensors are not active.

How to Enter the Service Mode

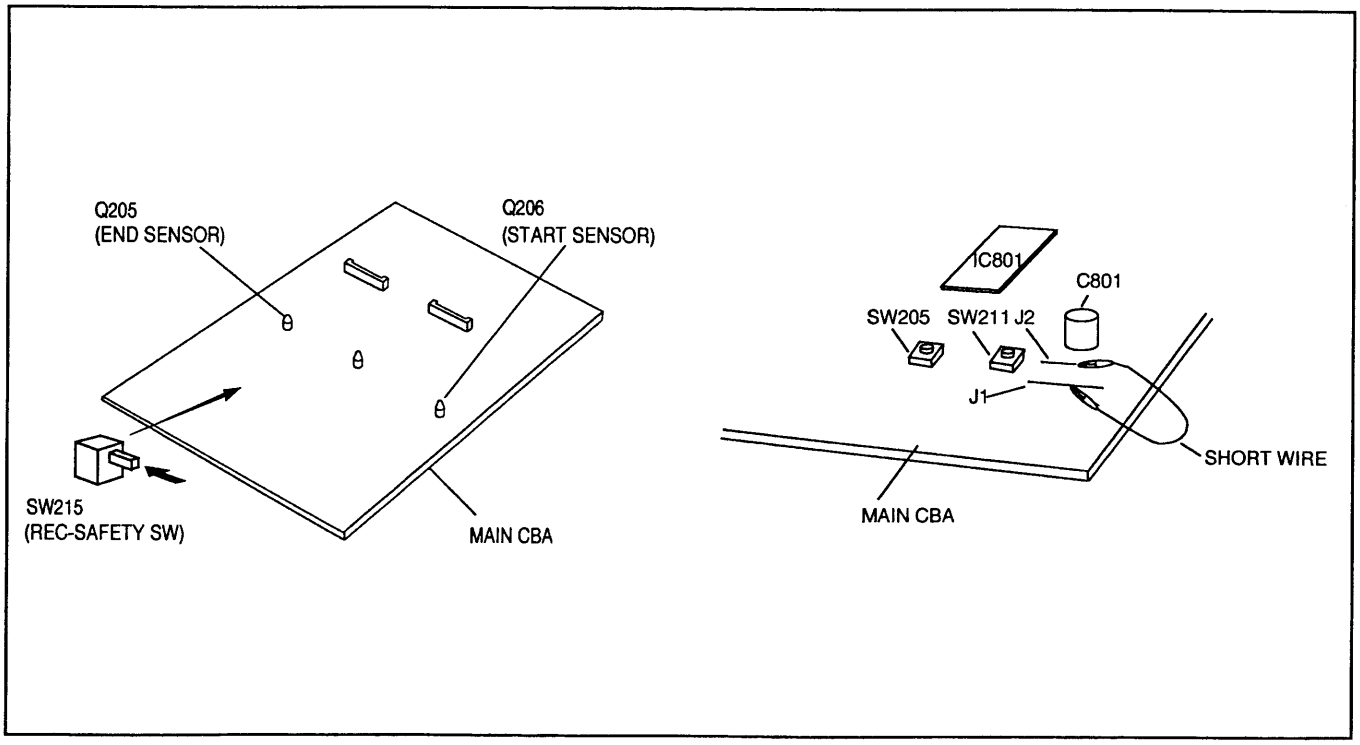
- Connect unit to an AC Outlet.
- Turn Power On.
- If - LANGUAGE SELECT - appears on the screen, Turn power off and on again.
- Make a momentary connection (1/2 second) between J1 and J2. (Located on the Main CBA.)
- Press No. 1 button on the Remote control unit for Cut-off adjustment.
  Note: On this Service Mode, TV Screen shows only a Holizontal line.
- Press No. 2 button on the Remote control unit for AGC adjustment.

Caution: 2

- The deck mechanism assembly is mounted on the Main CBA directly, and SW215 (REC-SAFETY SW) is mounted on the Main CBA. When deck mechanism assembly is removed from the Main CBA due to servicing, this switch can not be operated automatically.

Preparing: 2

- To eject the tape, press the STOP/EJECT Button on the unit (or Remote control).
- When you want to record during the Service mode, press the Rec Button while depressing the SW215 (REC-SAFETY SW) on the Main CBA.



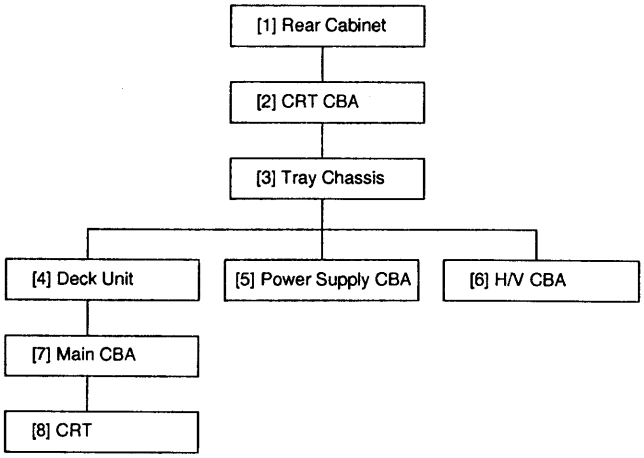
DISASSEMBLY INSTRUCTIONS

1. Disassembly Flowchart

This flowchart indicates the disassembly steps for the cabinet parts, and the CBA in order to gain access to item(s) to be serviced. When reassembling, follow the steps in reverse order. Bend, route and dress the cables as they were.

Caution !!

When removing the CRT, be sure to discharge the Anode Lead of the CRT with the CRT Ground Wire before removing the Anode Cap.



2. Disassembly Method

STEP/ LOC. NO.	PART	REMOVAL		
		FIG. NO.	REMOVE/*UNLOCK/ RELEASE/UNPLUG/ UNCLAMP/DESOLDER	NOTE
[1]	Rear Cabinet	1, 2	4(S-1), 1(S-2)	1
[2]	CRT CBA	4, 5	CN501, CN575, CN602	2
[3]	Tray Chassis	3, 5	1(S-3), CN801	3
[4]	Deck Unit	3	5(S-4), 2(S-5)	4
[5]	Power Supply CBA	3, 5	CN601 2(S-6), 3(L-1)	5
[6]	H/V CBA	3	Anode Cap	6
[7]	Main CBA	3, 5	2(S-7)	7
[8]	CRT	4	4(S-8)	8
↓	↓	↓	↓	↓
①	②	③	④	⑤

Note :

①. Order of steps in Procedure. When reassembling, follow the steps in reverse order.
These numbers are also used as the identification (location) No. of parts in Figures.

②. Parts to be removed or installed.

③. Fig. No. showing Procedure of Part Location

④. Identification of part to be removed, unhooked, unlocked, released, unplugged, unclamped, or desoldered.

S=Screw, P=Spring, L=Locking Tab, CN=Connector, *=Unhook, Unlock, Release, Unplug, or Desolder

2(S-2) = two Screw (S-2)

⑤. Refer to the following"Reference Notes in the Table" following.

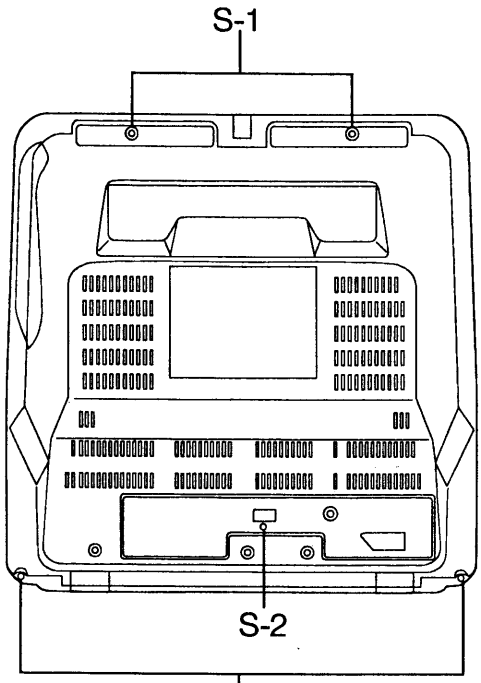
Reference Notes in the Table

1. Remove Screws 4(S-1) and Screw1(S-2).

Caution !!

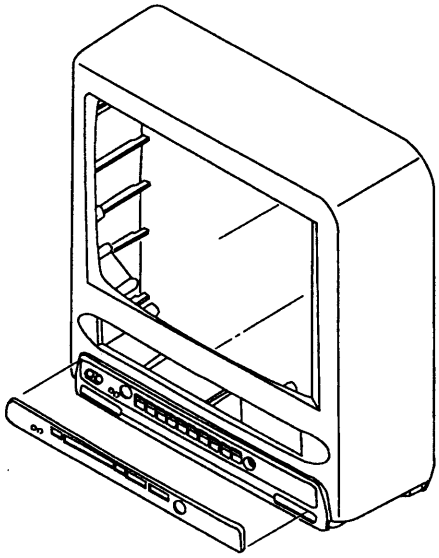
Discharge the Anode Lead of the CRT with the CRT Ground Wire before removing the Anode Cap.

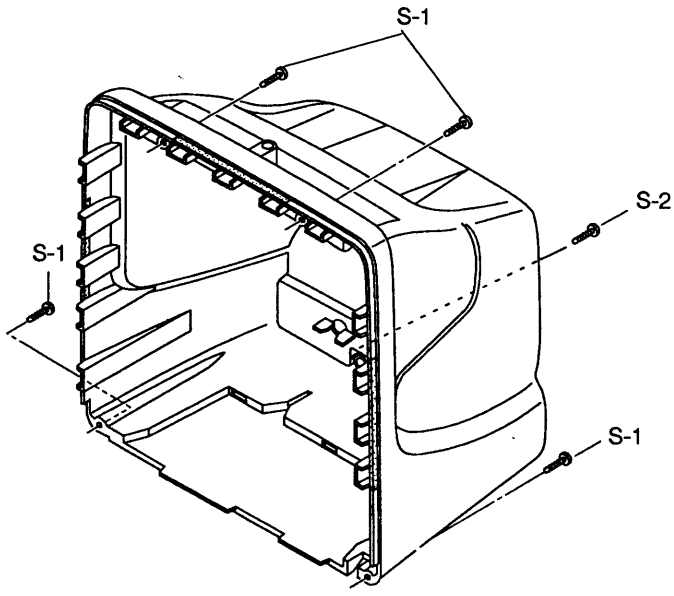
2. If not already removed, first remove the Rear Cabinet. Remove CRT Ground Wire CN501 on the CRT CBA, CN575,CN602 with coupling CBA. then pull the CRT CBA backward.
3. If not already removed, first remove the Rear Cabinet. Remove 1(S-3) and CN801. Pull the Tray Chassis backward.
4. If not already removed, first remove the Rear Cabinet and remove Tray Chassis. Remove 5(S-4), 2(S-5). Lift up the Deck unit. Careful for the clearance.
5. If not already removed, first remove the Rear Cabinet. and remove Tray Chassis. Remove CN601. Remove Screw 2(S-6) . Release 3(L-1) and Pull the Power Supply CBA backward.
6. If not already removed, first remove the Rear Cabinet. and remove Tray Chassis. Slide H/V CBA backward . If necessary Remove Anode Cap.
7. If not already removed, first remove the Rear Cabinet. and remove Tray Chassis. Remove Screw2(S-7) and Pull up the Main
8. If not already removed, first remove the Rear Cabinet. and remove Tray Chassis. Remove Screws 4(S-8) and Pull the CRT backward.



[1] REAR CABINET

Fig. 1





[1] REAR CABINET

Fig. 2

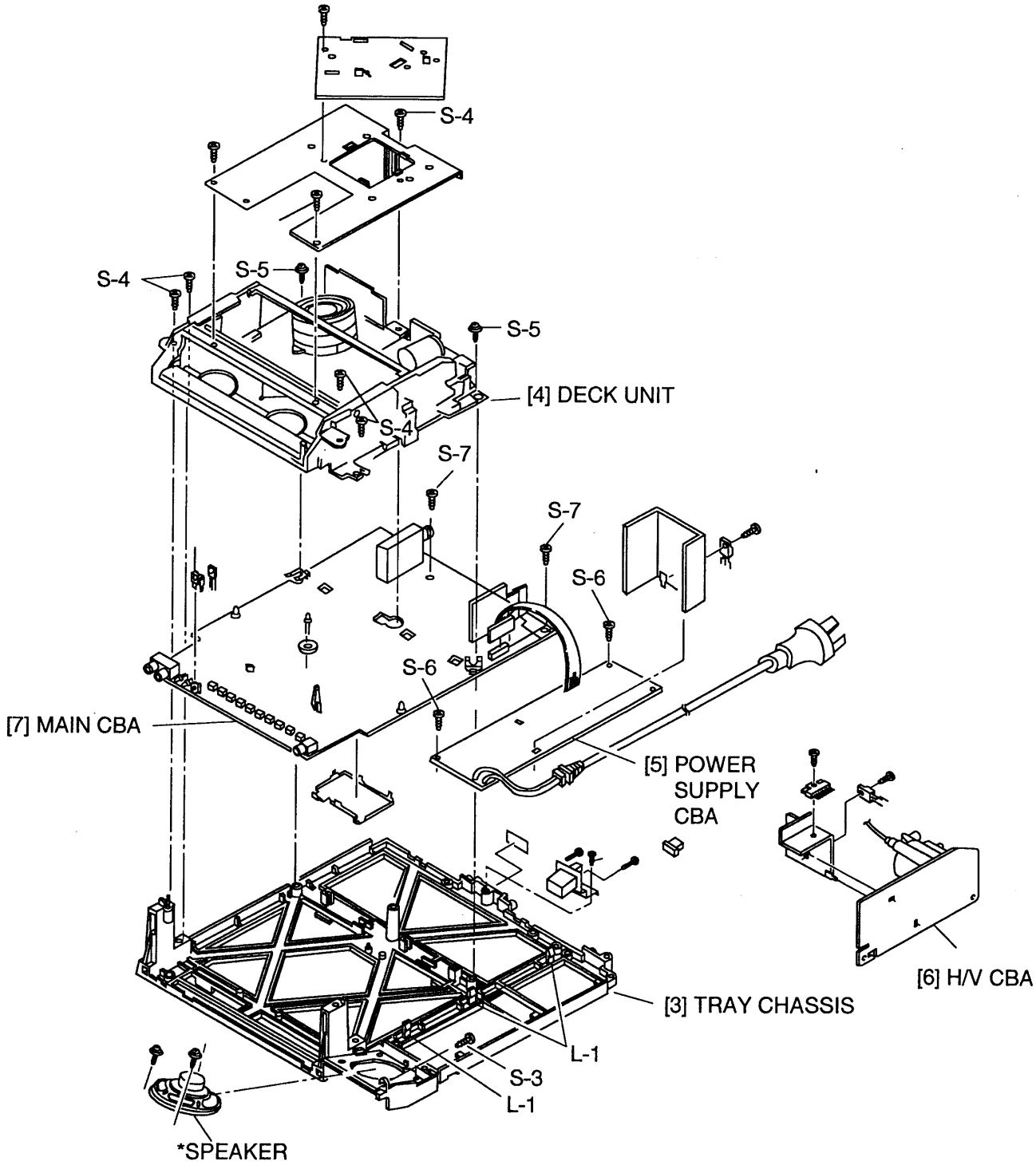

S-4
S-4
S-5
S-5
[4] DECK UNIT
S-4
S-7
S-7
S-6
S-6
[7] MAIN CBA
[5] POWER
SUPPLY
CBA
[6] H/V CBA
[3] TRAY CHASSIS
L-1
S-3
L-1
*SPEAKER

Fig. 3

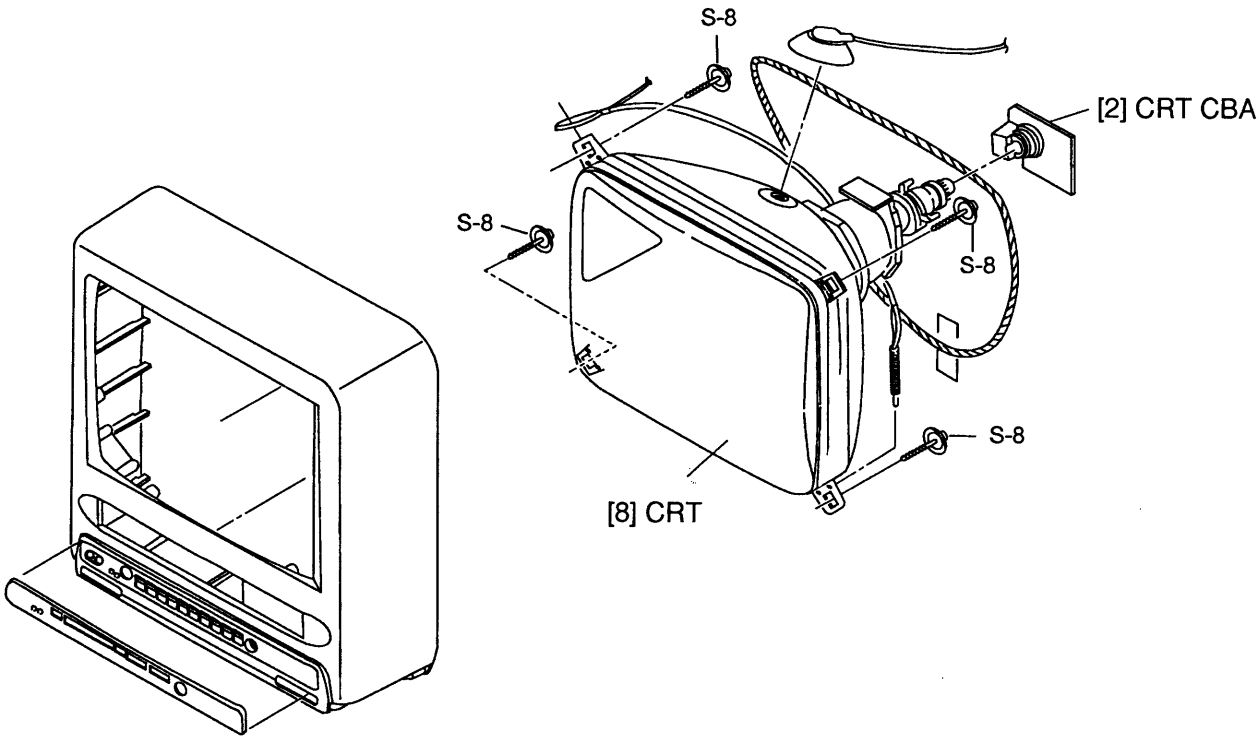


Fig. 4

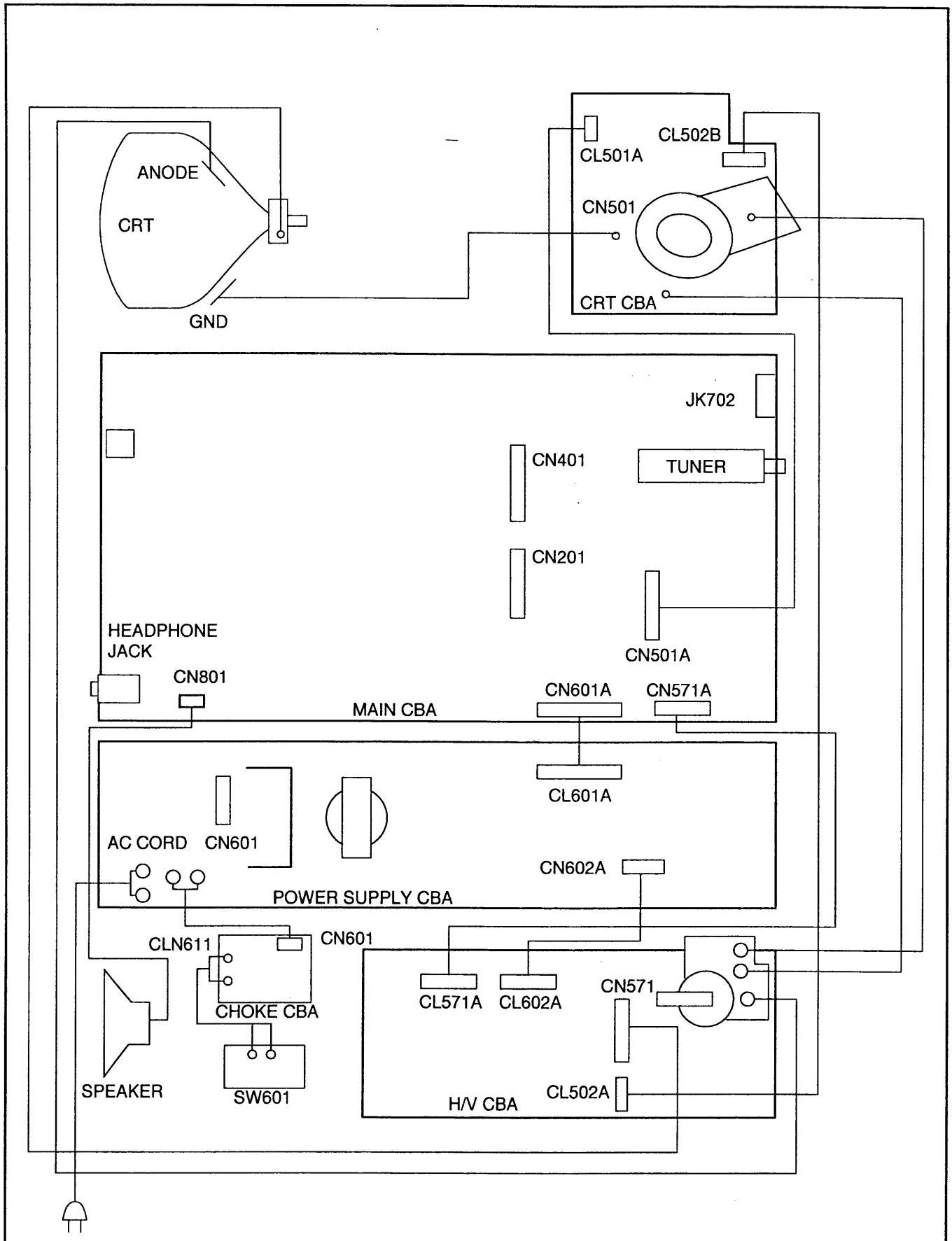

ANODE
CRT
GND
CL501A
CL502B
CN501
CRT CBA
JK702
CN401
TUNER
CN201
CN501A
HEADPHONE
JACK
CN801
MAIN CBA
CN601A
CN571A
CL601A
AC CORD
CN601
CN602A
POWER SUPPLY CBA
CLN611
CN601
CHOKE CBA
CL571A
CL602A
CN571
SPEAKER
SW601
H/V CBA
CL502A

Fig. 5

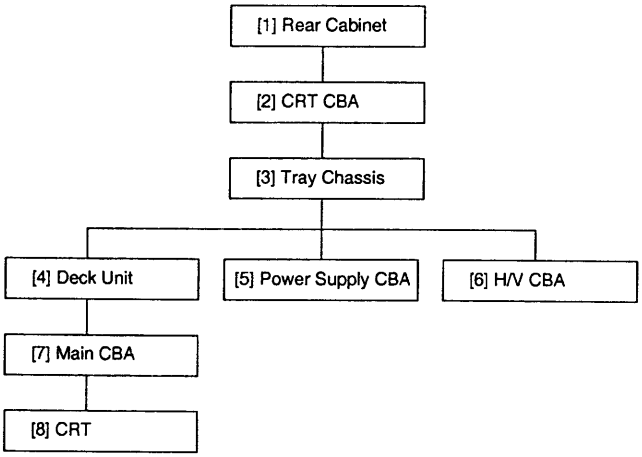
DISASSEMBLY INSTRUCTIONS (MV4810T)

1. Disassembly Flowchart

This flowchart indicates the disassembly steps for the cabinet parts, and the CBA in order to gain access to item(s) to be serviced. When reassembling, follow the steps in reverse order. Bend, route and dress the cables as they were.

Caution !!

When removing the CRT, be sure to discharge the Anode Lead of the CRT with the CRT Ground Wire before removing the Anode Cap.



2. Disassembly Method

STEP/ LOC. NO.	PART	REMOVAL		
		FIG. NO.	REMOVE/*UNLOCK/ RELEASE/UNPLUG/ UNCLAMP/DESOLDER	NOTE
[1]	Rear Cabinet	1, 2	4(S-1), 1(S-2), (S-3)	1
[2]	CRT CBA	4, 5	CN501, CN575, CN602	2
[3]	Tray Chassis	3, 5	1(S-4), CN801	3
[4]	Deck Unit	3	5(S-5), 2(S-6)	4
[5]	Power Supply CBA	3, 5	CN601 2(S-7) 3(L-1)	5
[6]	H/V CBA	3	Anode Cap	6
[7]	Main CBA	3, 5	2(S-8)	7
[8]	CRT	4	4(S-9)	8
↓	↓	↓	↓	↓
①	②	③	④	⑤

Note :

①. Order of steps in Procedure. When reassembling, follow the steps in reverse order.
These numbers are also used as the identification (location) No. of parts in Figures.

②. Parts to be removed or installed.

③. Fig. No. showing Procedure of Part Location

④. Identification of part to be removed, unhooked, unlocked, released, unplugged, unclamped, or desoldered.

S=Screw, P=Spring, L=Locking Tab, CN=Connector, *=Unhook, Unlock, Release, Unplug, or Desolder

2(S-2) = two Screw (S-2)

⑤. Refer to the following"Reference Notes in the Table" following.

Reference Notes in the Table

1. Remove Screws 5(S-1), 1(S-2) and (S-3).

Caution !!

Discharge the Anode Lead of the CRT with the CRT Ground Wire before removing the Anode Cap.

2. If not already removed, first remove the Rear Cabinet. Remove CRT Ground Wire CN501 on the CRT CBA, CN575,CN602 with coupling CBA. then pull the CRT CBA backward.
3. If not already removed, first remove the Rear Cabinet. Remove 1(S-4) and CN801. Pull the Tray Chassis backward.
4. If not already removed, first remove the Rear Cabinet and remove Tray Chassis. Remove 5(S-5), 2(S-6). Lift up the Deck unit. Careful for the clearance.
5. If not already removed, first remove the Rear Cabinet. and remove Tray Chassis. Remove CN601. Remove Screw 2(S-7) . Release 3(L-1) and Pull the Power Supply CBA backward.
6. If not already removed, first remove the Rear Cabinet. and remove Tray Chassis. Slide H/V CBA backward . If necessary Remove Anode Cap.
7. If not already removed, first remove the Rear Cabinet. and remove Tray Chassis. Remove Screw2(S-8) and Pull up the Main
8. If not already removed, first remove the Rear Cabinet. and remove Tray Chassis. Remove Screws 4(S-9) and Pull the CRT backward.

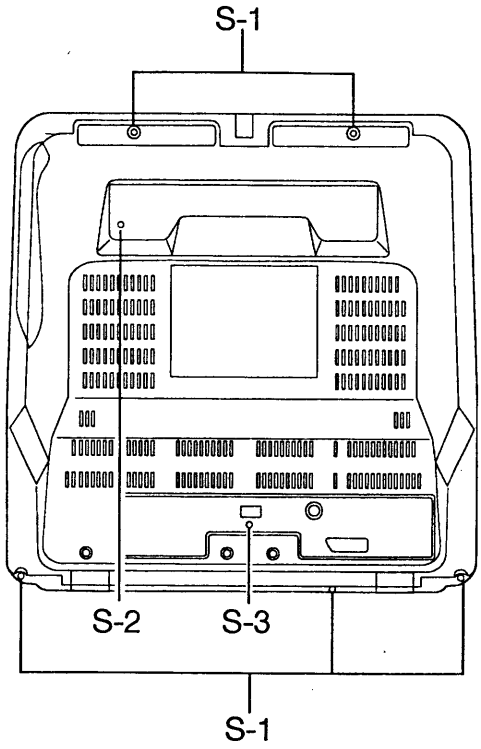
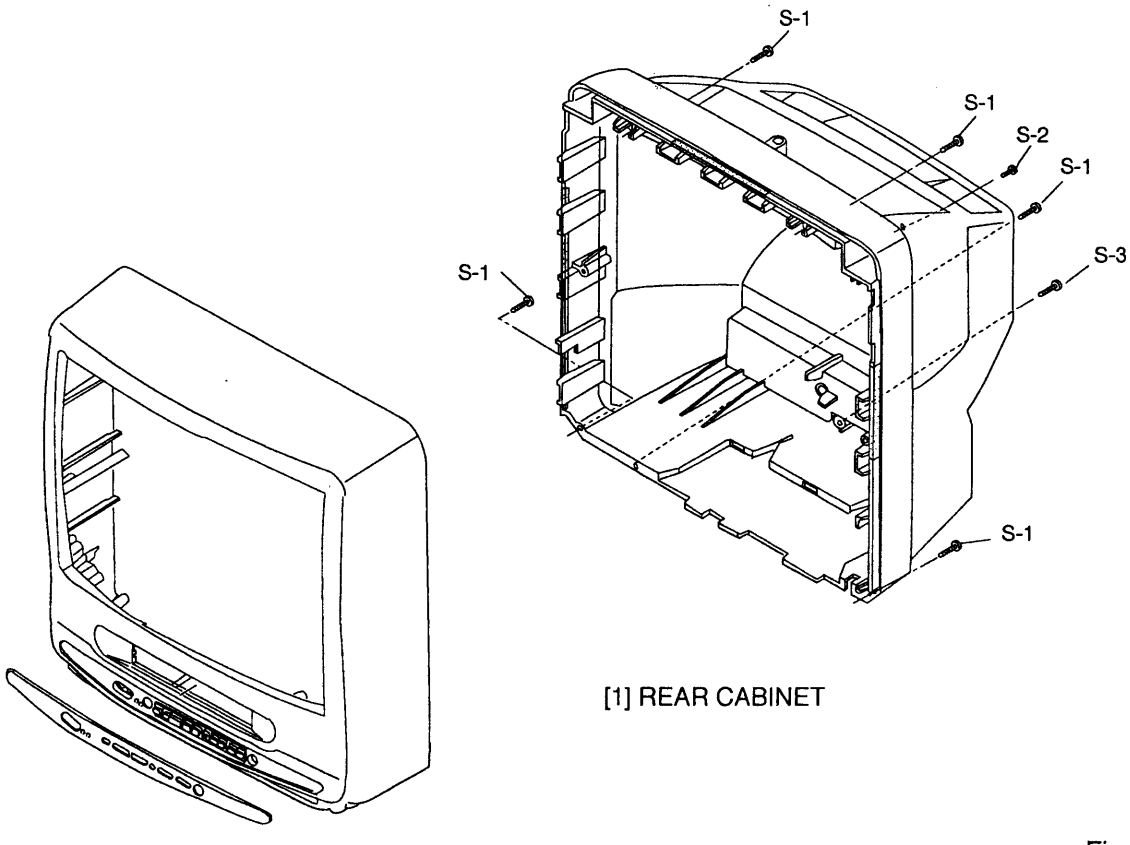


Fig. 1



[1] REAR CABINET

Fig. 2

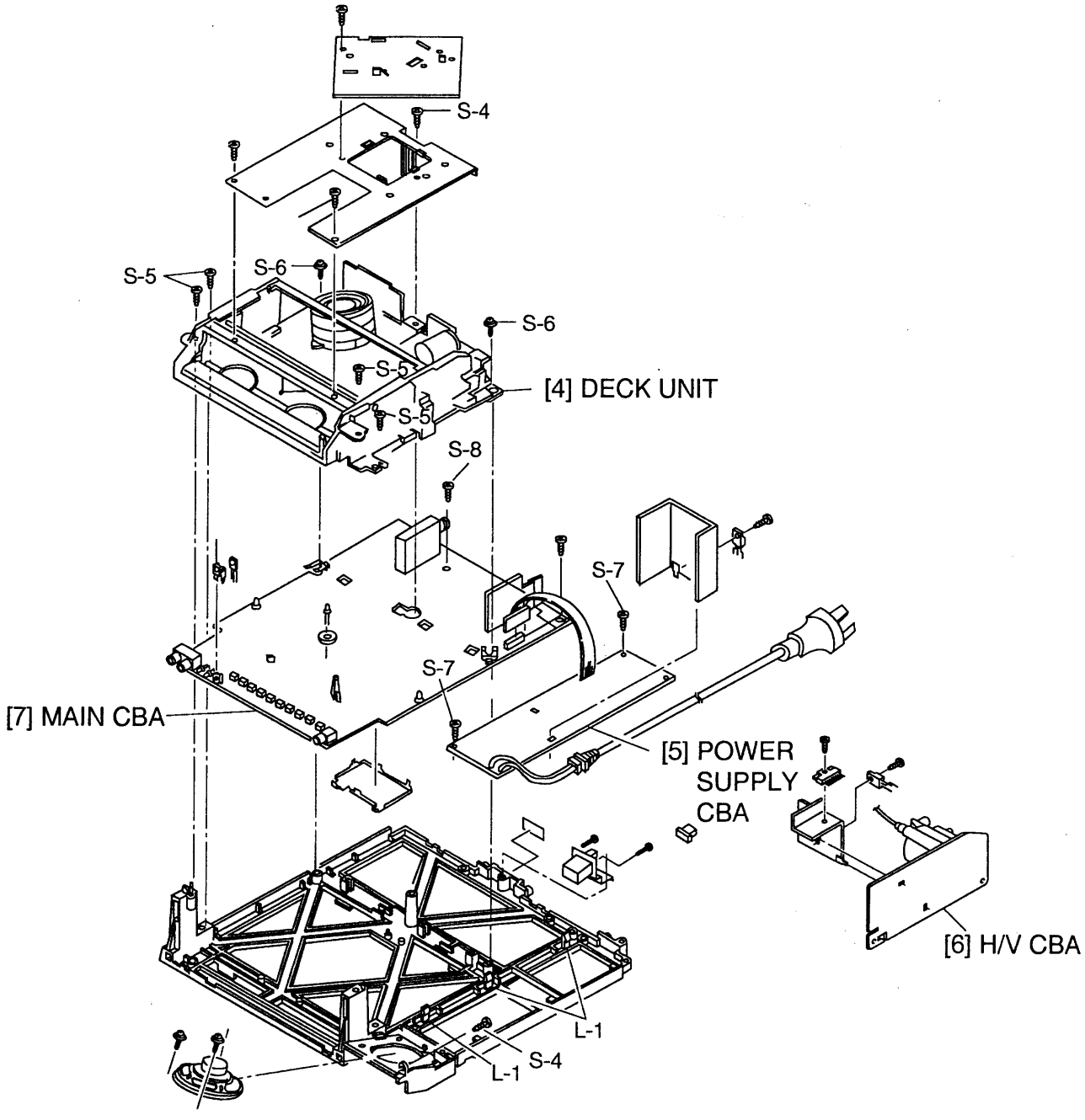

S-4
S-5
S-6
S-6
S-5
S-5
[4] DECK UNIT
S-8
S-7
S-7
[7] MAIN CBA
[5] POWER
SUPPLY
CBA
[6] H/V CBA
L-1
S-4
L-1

Fig. 3

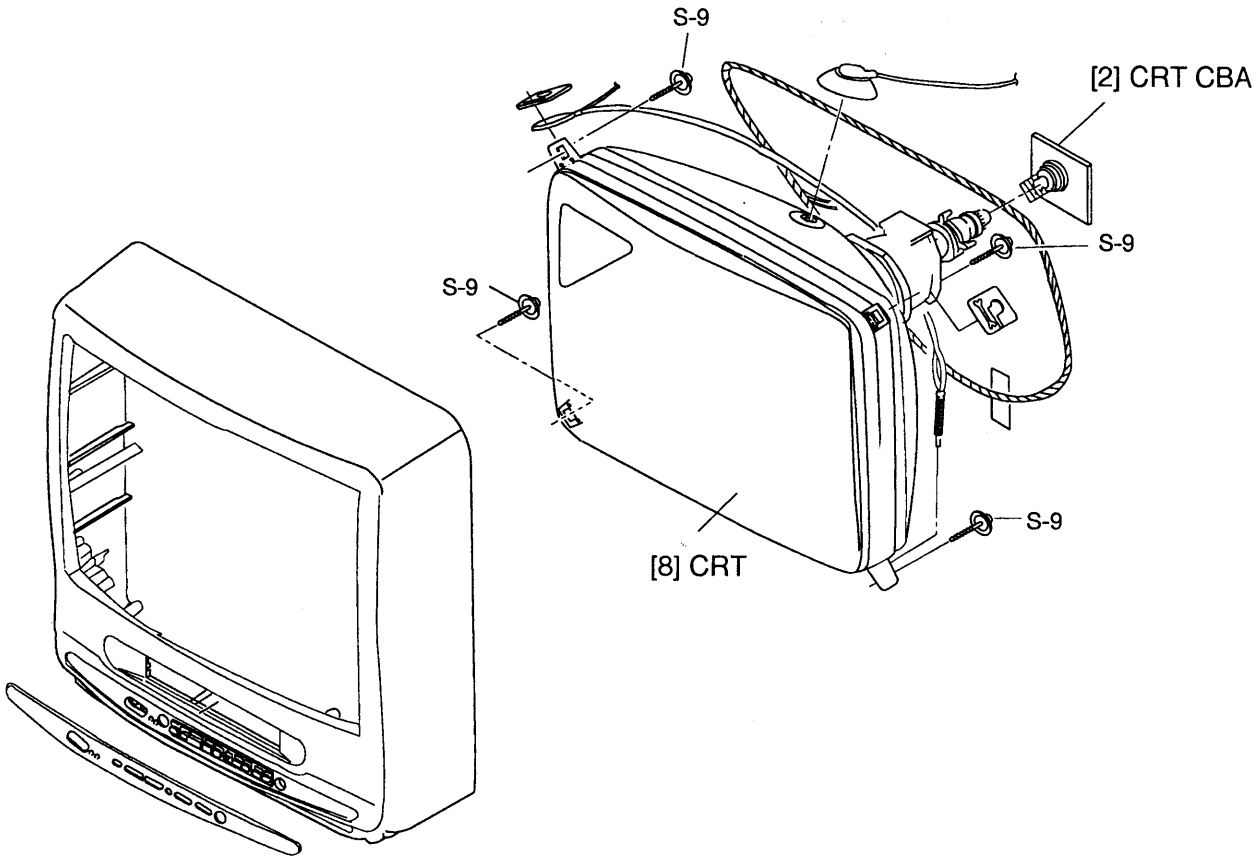


Fig. 4

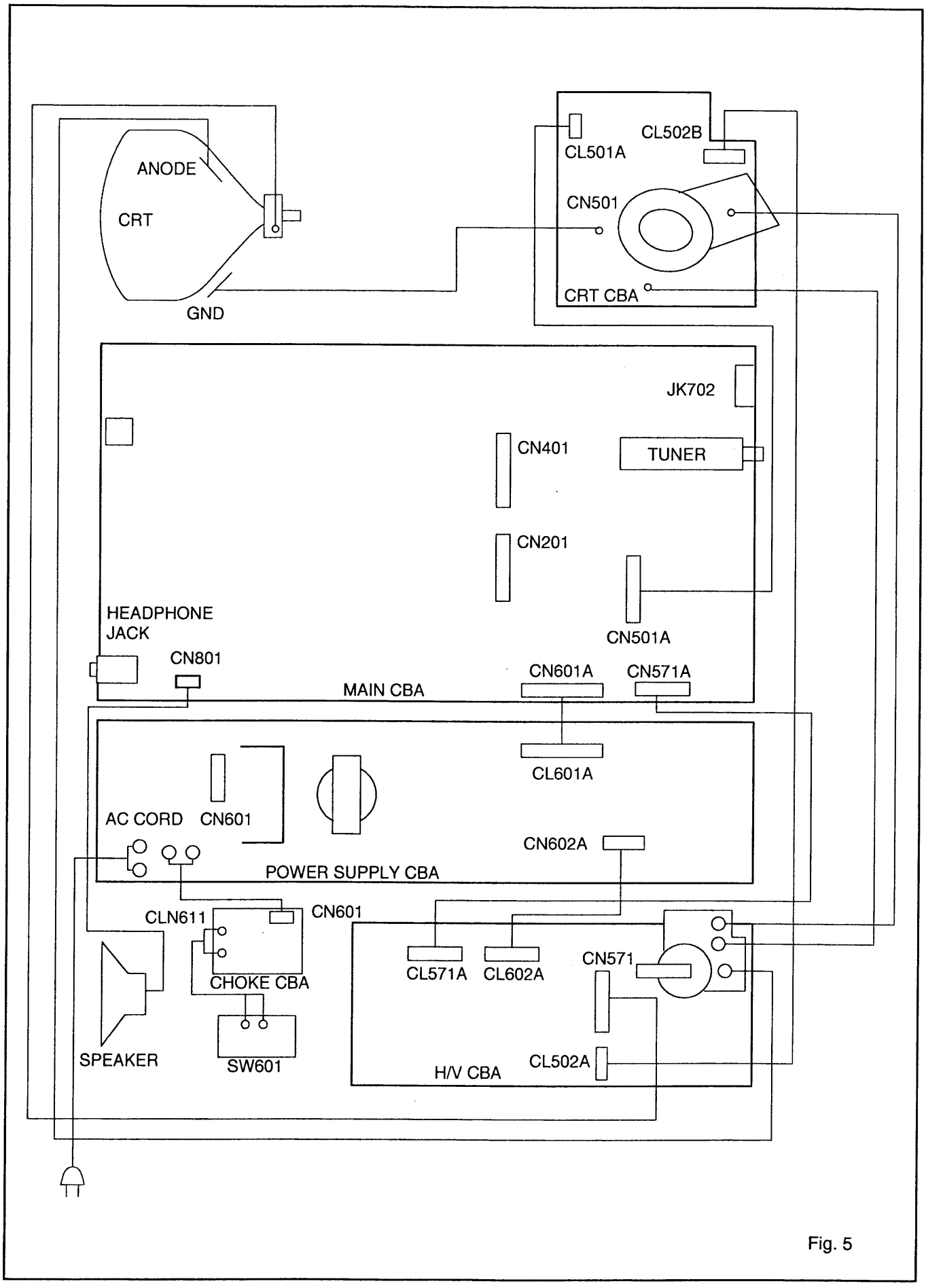

ANODE
CRT
GND
CL501A
CL502B
CN501
CRT CBA
JK702
CN401
TUNER
CN201
CN501A
HEADPHONE
JACK
CN801
MAIN CBA
CN601A
CN571A
CL601A
AC CORD
CN601
CN602A
POWER SUPPLY CBA
CLN611
CN601
CHOKE CBA
CL571A
CL602A
CN571
SPEAKER
SW601
H/V CBA
CL502A

Fig. 5

ELECTRICAL ADJUSTMENT INSTRUCTIONS

NOTE:

Electrical adjustments are required after replacing circuit components. It is important to perform these adjustments only after all repairs and replacements have been completed. Also, do not attempt these adjustments unless the proper equipment is available.

TEST EQUIPMENT REQUIRED:

1. IF Sweeper
2. DC Volt Meter
3. Oscilloscope: Dual Trace with 10:1 probe
4. PAL Pattern Generator
5. Monoscope
6. Color Analyzer

SYSTEM CONTROL IC DATA AND INITIAL VALUE

Following DATA are shown on the TV picture when the unit is in the Service mode and select Specified ITEM only.

To set the unit in service moder, short test point (TP) marked FUNCTION which is located between R956 and R957 in main schematic diagram until appear red F on screen. To escape service mode, push function key on the Remote control Unit.

Note: Showing DATA values are only reference as INITIAL and these values are not match any Alignment Voltages which are described in this ELECTRICAL ADJUSTMENT INSTRUCTIONS.

* KEY NO. --- Use 10 Key Number on the Remote Control Unit.

ITEM	*KEY NO.	DATA	REMARK
BRIGHT (CENTER)	0 (Changes Cyclical)	47	DATA Values will be changed by press
CONTRAST (70%)		70 (Fixed)	the CH UP/DOWN button on the
COLOR (CENTER)		47 (Fixed)	Remote Control Unit
TINT (CENTER)		50 (Fixed)	
SHARPNESS (CENTER)		40 (Fixed)	
SERVICE MODE	1		
AGC	2	20	DATA Values will be changed by press
VCO	3	32 (Fixed)	the CH UP/DOWN button on the
H. POSITION	4	8	Remote Control Unit
SWITCHING POSITION	5	8	
CUT OFF (R)	8 (Changes Cyclical)	80	
CUT OFF (G)		80	
CUT OFF (B)		80	
DRIVER (R)	9 (Changes Cyclical)	32	
DRIVER (B)		32	

All adjustment procedures must be performed in order of numbering.

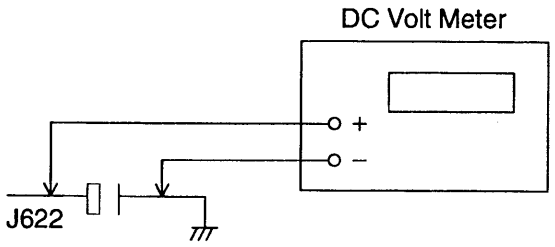
1. POWER SUPPLY DC VOLTAGE ADJUSTMENT

Purpose: To get correct voltage.

Symptom of Misadjustment: If voltage is incorrect, picture is dark.

Test Point	Adjustment Point	Mode	Input
J622	VR601		Monoscope Pattern
Tape	**Measurement Equipment**	**Spec.**	
	DC Volt Meter Monoscope	+112±0.5V	

Connections of Equipment



Reference Notes: J622, J631, VR601 --- Power Supply CBA

1. Connect the equipment as shown in the above table.
2. Adjust VR601 so that the DC Volt becomes +112±0.5V on the DC Volt Meter.

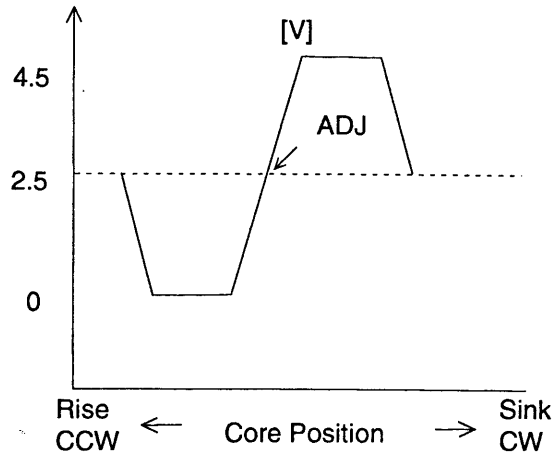
2. AFT ADJUSTMENT

Purpose: To operate AFT correctly.

Symptom of Misadjustment: AFT does not work correctly and/or synchronization is faulty.

Test Point	Adjustment Point	Mode	Input
J195(VCO) J200(GND)	L301		38.9MHz 90dBu
Tape	**Measurement Equipment**	**Spec.**	
	PAL Pattern Generator, DC Volt Meter	+2.5±0.2V	

Figure



Reference Notes: L301,J195, J200 --- Main CBA

1. Input the 38.9MHz signal to Q31 (Base). (Input level 90dBμV Non-Modulation)
2. Connect the Digital volt meter to the J195 and J200 (GND).
3. Turn the core of L301 fully counterclockwise
4. Turn the core of L301 clockwise and find the point where the voltage drops from approximately 4.5V to 0V immediately on the Digital volt meter.
5. turn core of L301 little by little and find the point whereDC +2.5±0.2V is obtained between the area mentioned in step3.

6. V. POSITION ADJUSTMENT

Purpose: To get correct vertical position of screen image.

Symptom of Misadjustment: Vertical position of screen image may not be properly displayed.

Test Point	Adjustment Point	Mode	Input
Screen	VR594		Monoscopic Pattern
Tape	**Measurement Equipment**	**Spec.**	
	Monoscope	Vertical Center	

Reference Note: VR594 --- Chroma CBA

1. Input the Monoscopic Pattern.
2. Adjust VR594 so that the Circles in Monoscopic Pattern stays on vertical center.

7.H. POSITION ADJUSTMENT

Purpose: To get correct horizontal position of screen image.

Symptom of Misadjustment: Horizontal position of screen image may not be properly displayed.

Test Point	Adjustment Point	Mode	Input
Screen	Service Mode No.4		Monoscopic Pattern
Tape	**Measurement Equipment**	**Spec.**	
	Monoscope	90±5%	

Reference Note:

1. Operate the unit more than 20 minutes.
2. Input the Monoscopic Pattern.
3. Enter the Service mode (See Page 1-4-2). then press No.4 button on the Remote Control Unit.
4. Press CH UP/DOWN button so the the right and left picture will be equal.

8. CUT OFF ADJUSTMENT

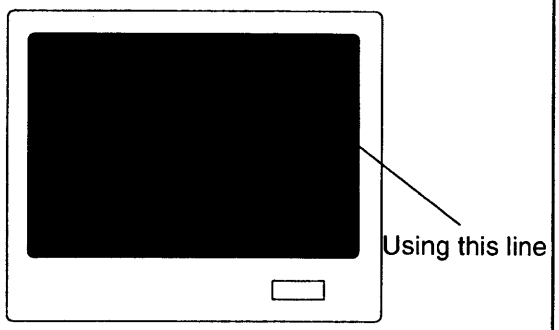
Purpose: To adjust the beam current of R, G, B and screen voltage.

Symptom of Misadjustment: White color may be reddish, greenish or bluish.

When the screen voltage is too high, the scanning line is appeared on the screen.

Test Point	Adjustment Point	Mode	Input
Screen	Service Mode No.8 Screen VR (FBT)		Service Mode No.1
Tape	**Measurement Equipment**	**Spec.**	
	PAL Pattern Generator,	See below	

Figure



Reference Notes: Screen-VR --- H/V CBA

1. Operate the unit more than 20 minutes.
2. Degauss the CRT using Degaussing Coil.
3. Input the Black Raster.
4. Turn the Screen-VR (FBT) fully counterclockwise.
5. Enter the Service Mode. (See Page 1-4-2) then press No. 8 button on the Remote Control Unit.
7. Slowly turn the Screen-VR (FBT) to the point where horizontal line just visible.
6. Press CH UP / DOWN so that the Holizontal becomes white.
7. Re - Adjust the Screen VR so that the Holizontal Line becomes Dim and White.
8. Turn power off and on again to return to normal mode.

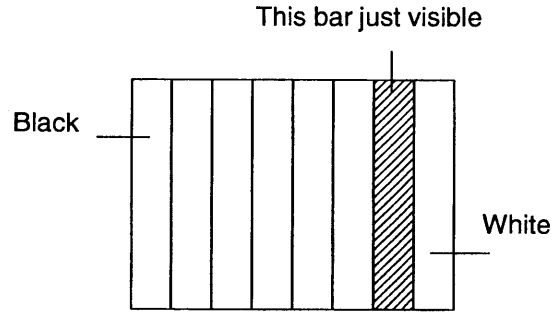
Note: Confirm that White Balance Adj. is correct after this adjustment, and attempt
White Balance Adj. if needed.

9. SUB BRIGHT ADJUSTMENT

Purpose: To get proper brightness.

Symptom of Misadjustment: Proper brightness cannot be obtained by adjusting the Bright Control.

Test Point	Adjustment Point	Mode	Input
Screen	Screen VR (FBT)		Gray Scale Pattern
Tape	**Measurement Equipment**	**Spec.**	
	PAL Pattern Generator,	See below	
Figure			



Reference Notes: Screen VR (FBT) --- Main CBA

1. Operate the unit more than 20 minutes.
2. Input the 8-step Gray Scale pattern.
3. Adjust Screen Volume so that the bar is just visible. (See above figure)

10. FOCUS ADJUSTMENT

Purpose: To get correct focus.

Symptom of Misadjustment: Blurred image is shown on the display.

Test Point	Adjustment Point	Mode	Input
Screen	Focus-VR (FBT)		Monoscopic Pattern
Tape	**Measurement Equipment**	**Spec.**	
	Monoscope	See below	

Reference Note: Focus-VR (FBT) --- Main CBA

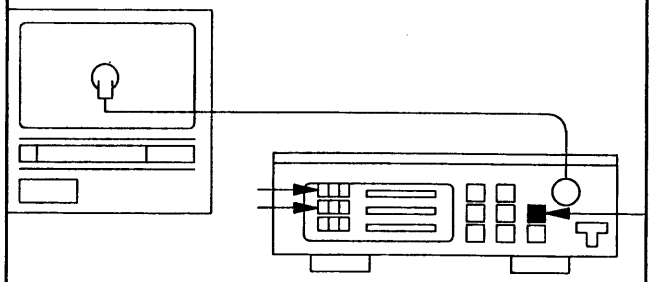
1. Operate the unit more than 20 minutes.
2. Input the Monoscopic Pattern.
3. Adjust Focus-VR (FBT) to be obtained clear picture.

11. WHITE BALANCE ADJUSTMENT

Purpose: To mix red, green and blue beams correctly for pure white.

Symptom of Misadjustment: White becomes bluish or reddish.

Test Point	Adjustment Point	Mode	Input
Screen	Service Mode No.9		White Raster (APL 100%)
Tape	**Measurement Equipment**	**Spec.**	
	PAL Pattern Generator, Color Analyzer	See below	
Connections of Equipment			



Reference Notes:

1. Operate the unit more than 20 minutes.
2. Face the unit to east. Degauss the CRT using Degaussing Coil.
3. Input the White Raster (APL 100%).
4. Set the color analyzer to the CHROMA mode and after zero point calibration, bring the optical receptor to the center on the tube surface (CRT).
5. Enter the Service Mode. (See Page 1-4-2) then Press No. 9 button on the Remote Control Unit.

   Press CH UP / DOWN Key so that the temperature becomes 8000K-10MPCD (x : 0.300 / y : 0.290) ±4%.
6. At this time, Re-check that Holizontal line is white. If not, Re-adjust Cut-off Adjustment until the Holizontal Line becomes pure white.
7. Turn off and on again to return to normal mode. Receive APL 100% white signal and Check Chroma temperatures become 8000K-10MPCD (x : 0.300 / y : 0.290) ±4%.

Note: Confirm that Cut Off Adj. is correct after this adjustment, and attempt Cut Off Adj. if needed.

12. PAL HEAD SWITCHING POSITION ADJUSTMENT

Note: Before attempting the mechanical adjustment, this adjustment must first be completed.

Purpose: To determine the Head Switching point during playback.

Symptom of Misadjustment: May cause Head Switching noise or Vertical Jitter in the picture.

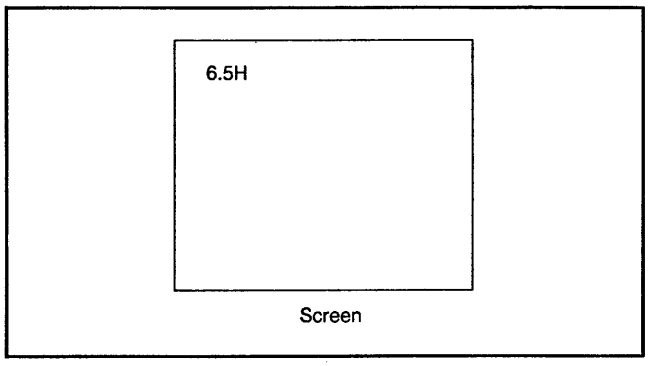
Notes: Unit reads Head Switching Position automatically and display it on the screen.

1. Insert thetest tape.
2. Enter the Service mode. (See Page 1-4-2) and press NO.5 button on the Renote control then playback.

   value of Head Switching Position displayed on the screen. If the test tape has 6.5H (416μs) Head Switching Points same number will display on the screen.
3. If the Adjustment is necessary, Follow Step 3.
4. Press CH UP/DOWN button on the Remot Control Unit if necessary then Value will be changed in 0.5H step up or down. Adjustable Range is up to 9.5H. If the value beyond adjustable range, display will change as:

Lowere out of range; 0.0H

Upper out of range; -.-H



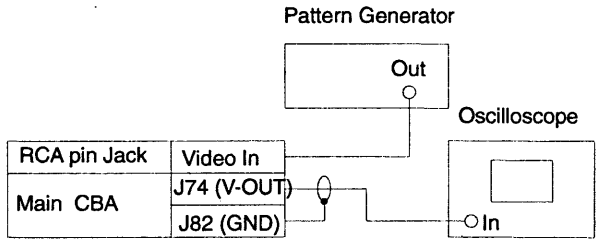
13. V-OUT LEVEL ADJUSTMENT

Purpose: To set the optimum luminance V-out level.

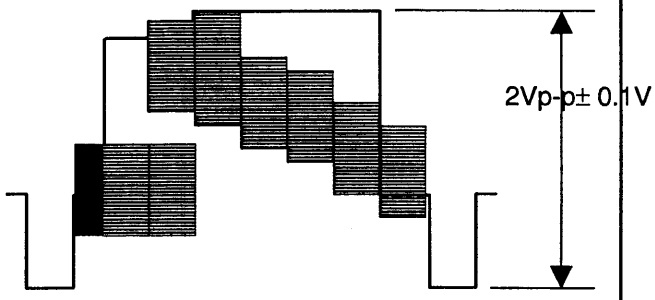
Symptom of Misadjustment: If the V-out level is too high, TV may overload. If the Level is too low, the S/N ratio deteriorates.

Test Point	Adjustment Point	Mode	Input
J74 (V-OUT) J200 (GND)	VR401 (E-E Level)	E-E	Color Bar Signal with 100% White Level
Tape	**Measurement Equipment**	**Spec.**	
	PAL Pattern Generator, Oscilloscope	2Vp-p±0.1V.	

Connections of Equipment



Figure



Reference Notes: J74, J200, VR401 --- Main CBA

1. Connect equipment as shown in the above table.
2. Input Color Bar signal with 100% White to Video Input.
3. Adjust VR401 so that the video level becomes 2Vp-p±0.1V.

14. FM CARRIER DEVIATION ADJUSTMENT

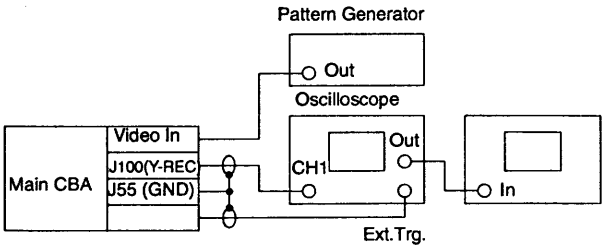
Purpose: To align FM carrier deviation.

Symptom of Misadjustment: If the deviation is not correct, abnormal contrast of light and dark may be seen on the picture.

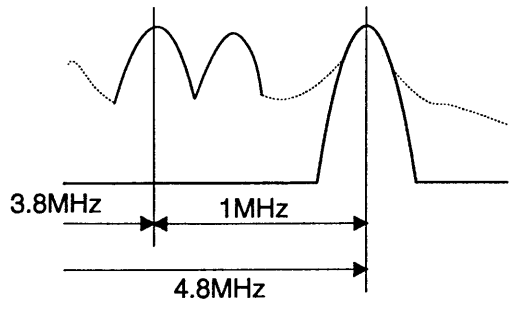
If the carrier deviation is not correct, beats will appear on the picture.

Test Point	Adjustment Point	Mode	Input
J74 (V-OUT) J200 (GND)	VR401 (E-E Level)	E-E	Color Bar Signal with 100% White Level
Tape	**Measurement Equipment**	**Spec.**	
	PAL Pattern Generator, Oscilloscope	2Vp-p±0.1V.	

Connections of Equipment



Figure



Reference Notes: J100, J54,VR402 --- Main CBA

1. Connect the equipment as shown in the above table.
2. Input color bar signal with 100% white to video input.
3. Adjust VR402 so that the Sync-tip becomes 3.8MHz±0.1MHz .

15.TEXT VCO ADJUSTMENT

Purpose: To operate TELETEXT correctly.

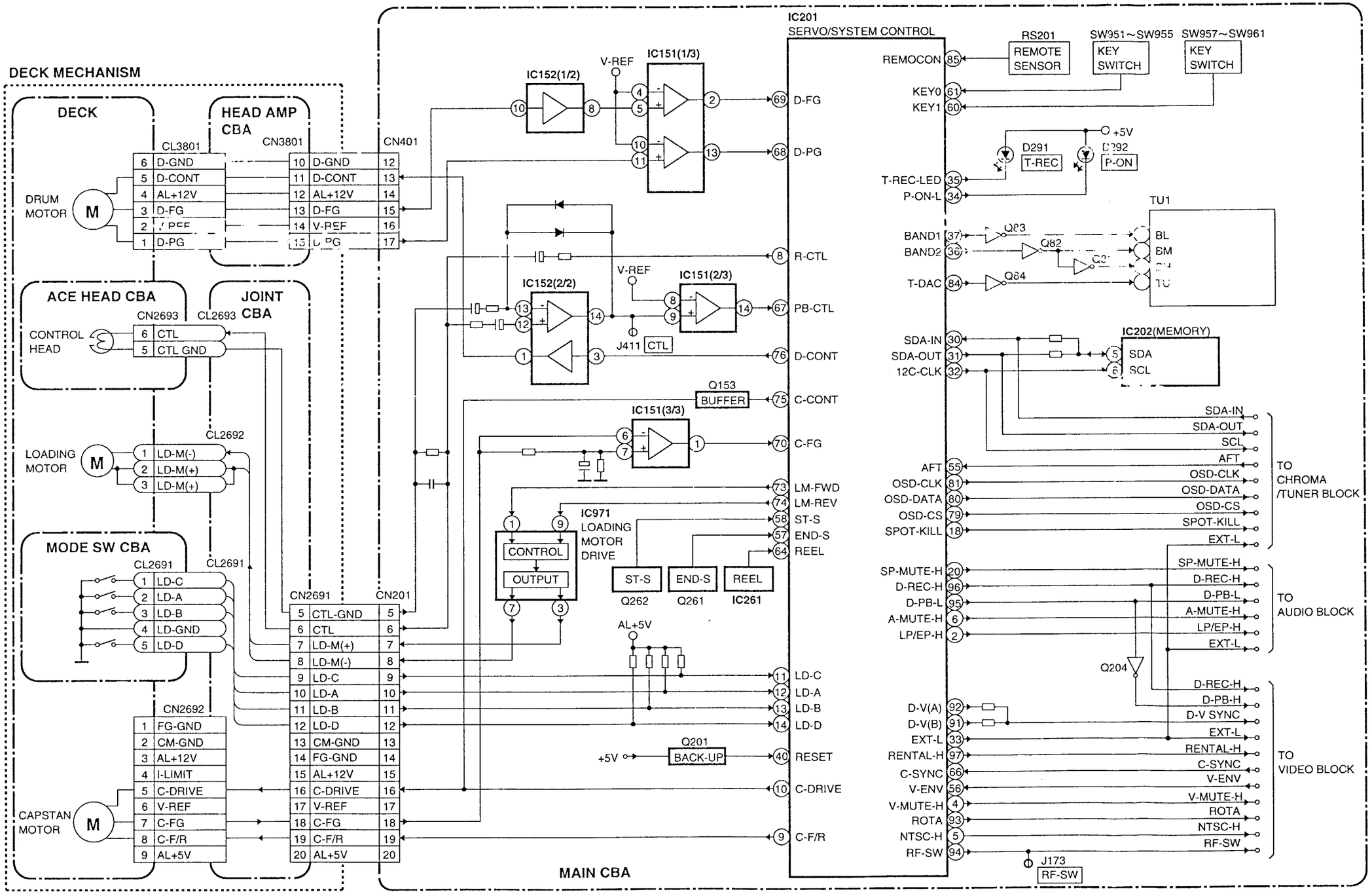
Symptom of Misadjustment: TERETEXT does not work correctly.

Test Point	Adjustment Point	Mode	Input
J916 J197 (GND)	L921		Text model
Tape	**Measurement Equipment**	**Spec.**	
	PAL Color Bar Signal DC Volt Meter	2.5V±0.2V	

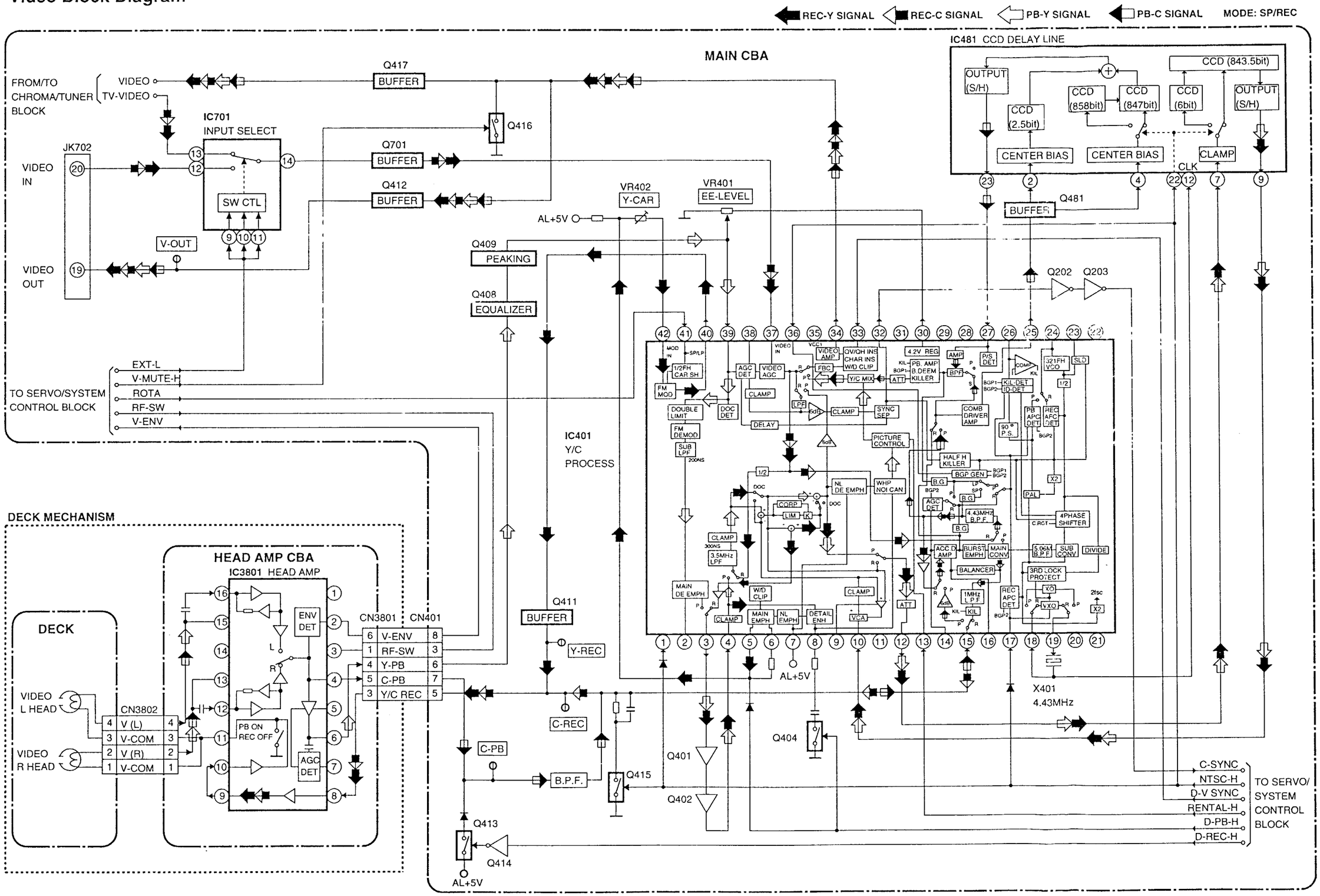
Reference Note: L921, J916, J197 --- Teletext CBA

1. Connect DC Volt Meter to J916.
2. Receive the PAL Color Bar signal.
3. Set the Text Mode.
4. Adjust L921 so that the J916 becomes 2.5V±0.2V

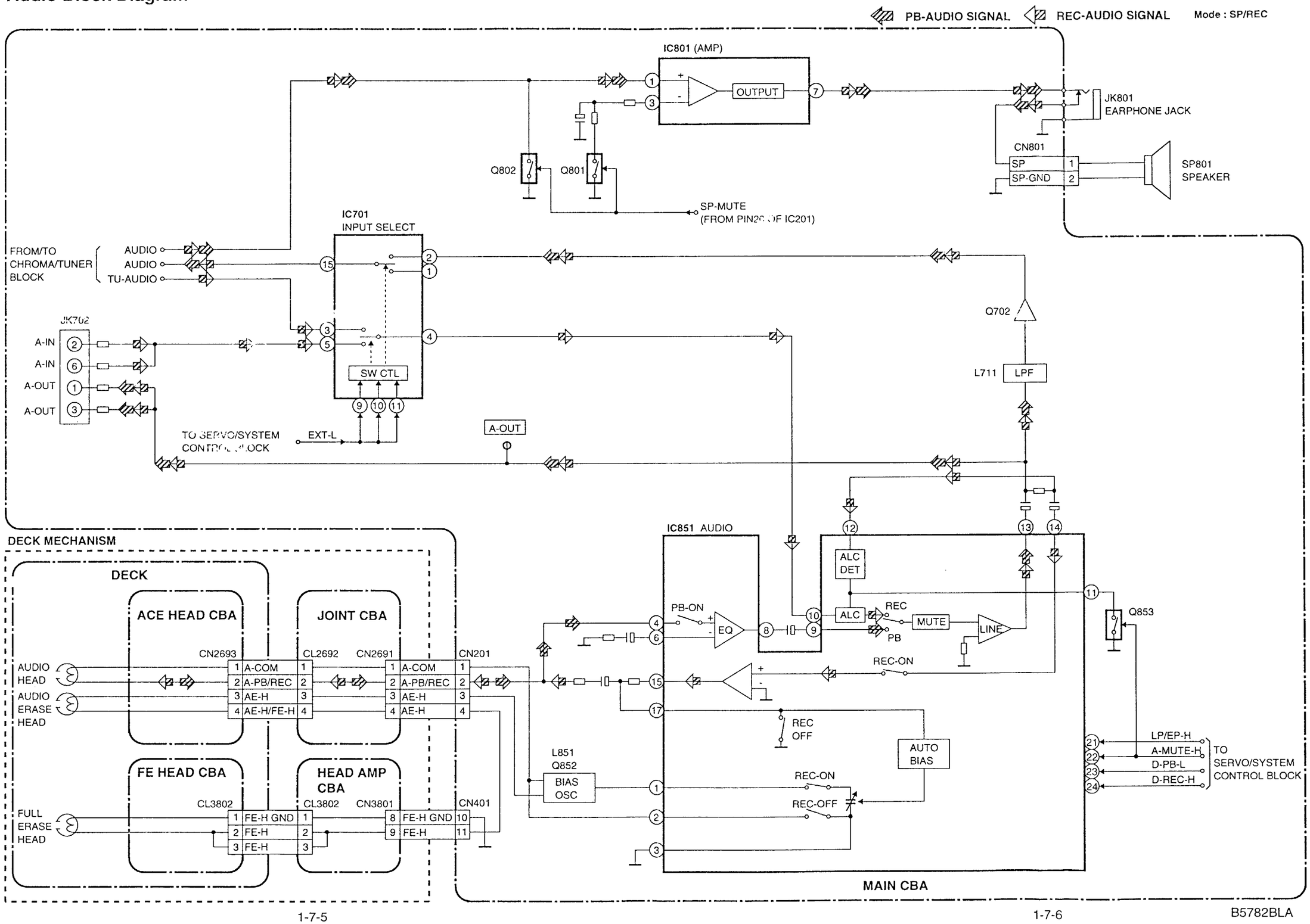
Servo/System Control Block Diagram



Video Block Diagram

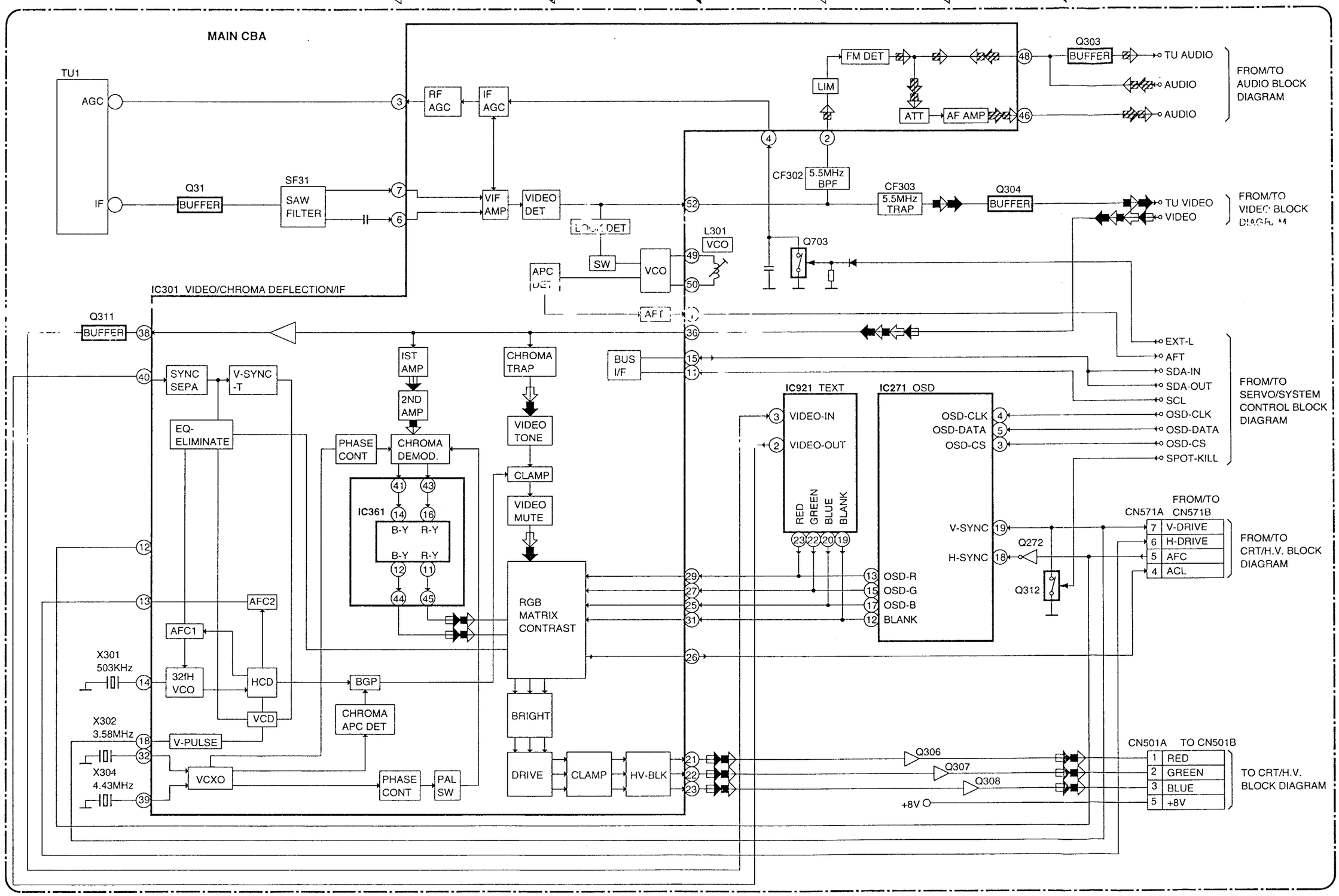


Audio Block Diagram

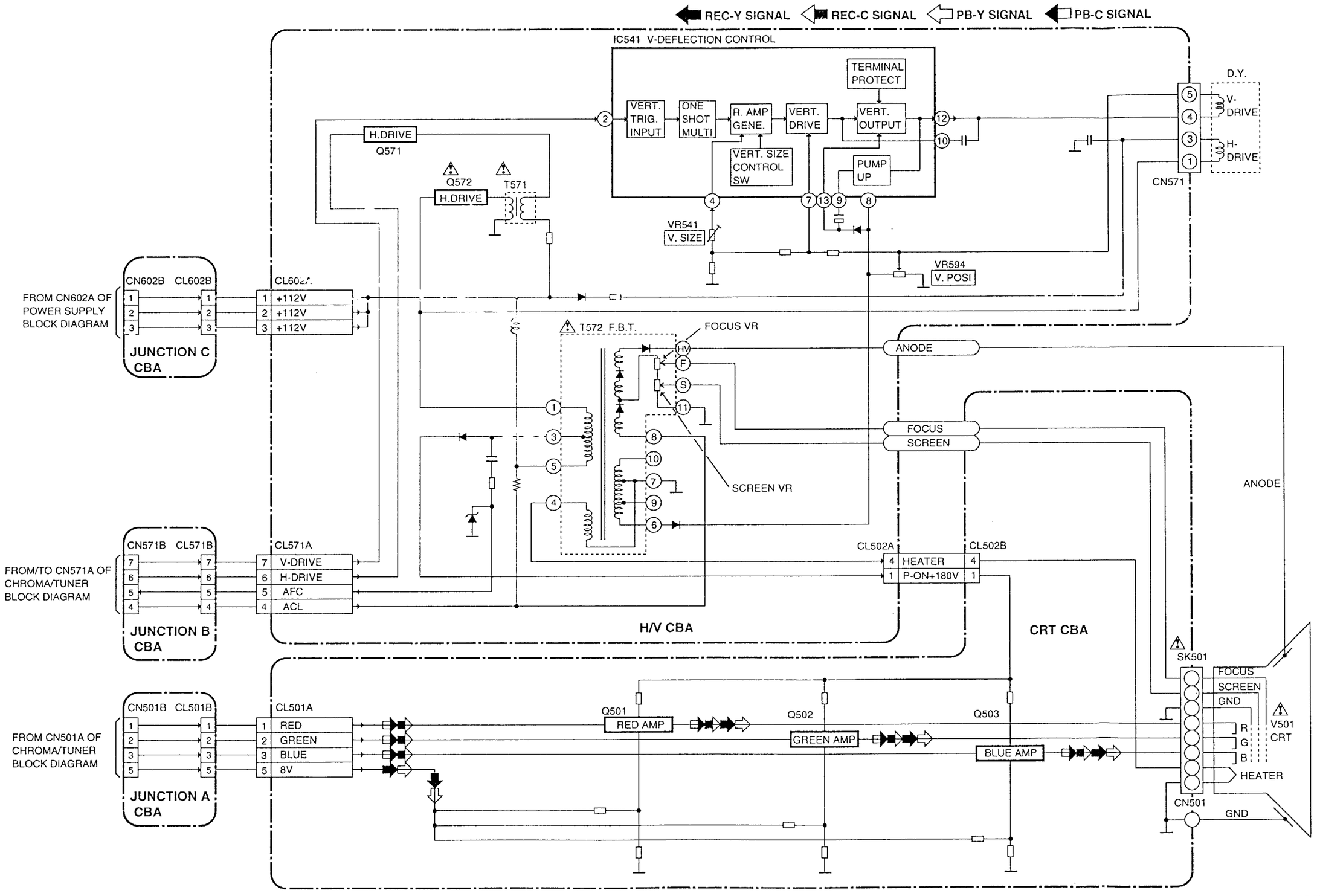


Chroma/Tuner Block Diagram

REC-AUDIO SIGNAL　PB-AUDIO SIGNAL　REC-Y SIGNAL　REC-C SIGNAL　PB-Y SIGNAL　PB-C SIGNAL　Mode : SP/REC



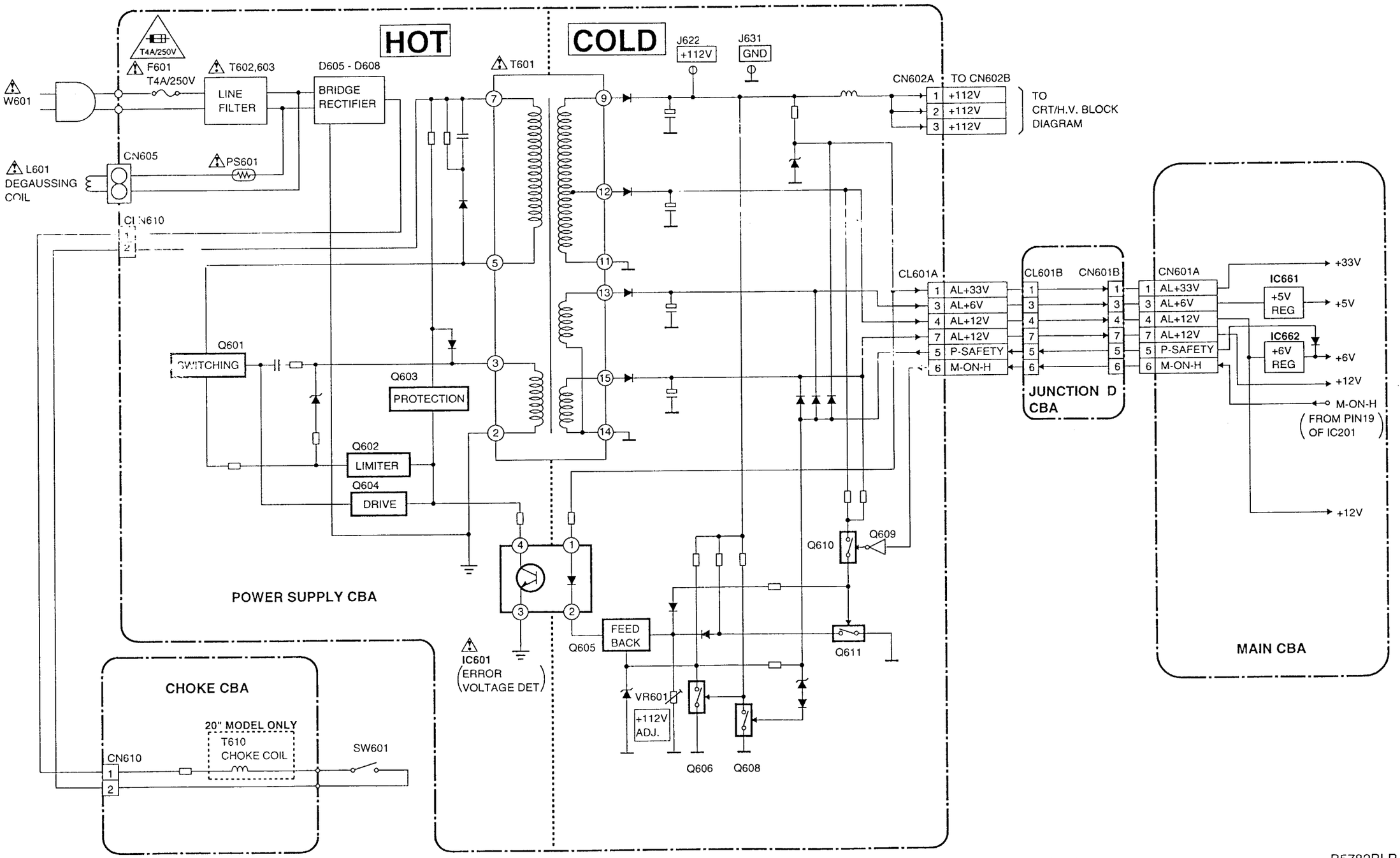
CRT/H.V. Block Diagram



B5782BLCRT

Power Supply Block Diagram

CAUTION
FOR CONTINUED PROTECTION AGAINST FIRE HAZARD,
REPLACE ONLY WITH THE SAME TYPE T1.6AH/250V FUSE.



SCHEMATIC DIAGRAMS / CBA'S AND TEST POINTS

Standard Notes

WARNING

Many electrical and mechanical parts in this chassis have special characteristics. These characteristics often pass unnoticed and the protection afforded by them cannot necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts that have these special safety characteristics are identified in this manual and its supplements; electrical components having such features are identified by the mark " ⚠ " in the schematic diagram and the parts list. Before replacing any of these components, read the parts list in this manual carefully. The use of substitute replacement parts that do not have the same safety characteristics as specified in the parts list may create shock, fire, or other hazards.

Capacitor Temperature Markings

Mark	Capacity change rate	Standard temperature	Temperature range
(B)	±10%	20°C	-25~+85°C
(F)	+30 -80%	20°C	-25~+85°C
(SR)	±15%	20°C	-25~+85°C
(Z)	+30 -80%	20°C	-10~+70°C

Note:

1 Do not use the part number shown on these drawings for ordering. The correct part number is shown in the parts list, and may be slightly different or amended since these drawings were prepared.

2 All resistance values are indicated in ohms ($K=10^3$, $M=10^6$).

3 Resistor wattages are 1/5W or 1/6W unless otherwise specified.

4 All capacitance values are indicated in μF ($P=10^{-6}\mu F$).

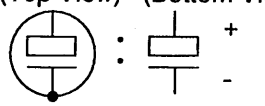
5 All voltages are DC voltages unless otherwise specified.

6 Electrical parts such as capacitors, connectors, diodes, IC's, transistors, resistors, switches, and fuses are identified by four digits. The first two digits are not shown for each component. In each block of the diagram, there is a note such as shown below to indicate these abbreviated two digits.

Capacitors and transistors are represented by the following symbols.

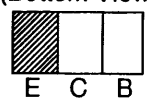
CBA Symbols

(Top View) (Bottom View)



: Electrolytic Capacitor

(Bottom View)



: Transistor or Digital Transistor

(Top View)

NPN Transistor

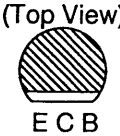
(Top View)

PNP Transistor

(Top View)

NPN Digital Transistor

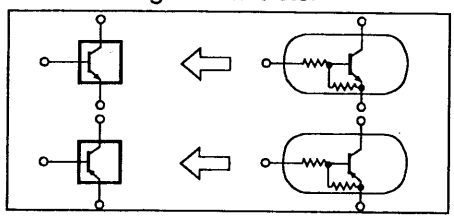
(Top View)



PNP Digital Transistor

Schematic Diagram Symbols

Digital Transistor



LIST OF CAUTION, NOTES, AND SYMBOLS USED IN THE SCHEMATIC DIAGRAMS ON THE FOLLOWING PAGES:

1. **CAUTION:**

FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH THE SAME TYPE FUSE.

2. **CAUTION:**

Fixed Voltage (or Auto voltage selectable) power supply circuit is used in this unit.
If Main Fuse (F01) is blown, first check to see that all components in the power supply circuit are not defective before you connect the AC plug to the AC power supply. Otherwise it may cause some components in the power supply circuit to fail.

3. **Note:**

(1) Do not use the part number shown on the drawings for ordering. The correct part number is shown in the parts list, and may be slightly different or amended since the drawings were prepared.

(2) To maintain original function and reliability of repaired units, use only original replacement parts which are listed with their part numbers in the parts list section of the service manual.

4. Wire Connectors

(1) Prefix symbol "CN" means "connector." (Can disconnect and reconnect)

(2) Prefix symbol "CL" means "wire-solder holes of the PCB." (Wire is soldered directly.)

VOLTAGE CHART

ICs

IC151

Pin No.	Vol. (V)	Pin No.	Vol. (V)
1	2.41	8	2.53
2	3.37	9	2.50
3	5.03	10	2.53
4	2.53	11	0.11
5	3.43	12	0
6	3.05	13	0.14
7	3.01	14	0.26

IC152

Pin No.	Vol. (V)	Pin No.	Vol. (V)
1	2.7	8	3.48
2	2.7	9	3.47
3	2.65	10	3.2
4	5.03	11	0
5	3.24	12	2.48
6	2.53	13	2.53
7	4.11	14	2.55

IC201

Pin No.	Vol. (V)	Pin No.	Vol. (V)
1	0	51	0
2	0.02	52	5.11
3	0	53	5.11
4	0	54	2.36
5	0.01	55	2.11
6	0	56	4.04
7	0.1	57	2.21
8	0.36	58	1.86
9	0.10	59	5.03
10	2.67	60	5.03
11	4.92	61	5.03
12	5.01	62	4.98
13	0	63	4.72
14	0	64	3.8
15	0	65	0.5
16	5.02	66	3.02
17	0	67	0.14
18	0	68	3.48
19	4.84	69	2.44
20	0	70	0
21	0	71	0
22	0	72	5.1
23	4.97	73	5.1
24	0.11	74	2.75
25	− 0.1	75	2.58
26	0.08	76	0.5
27	0.08	77	0
28	0.06	78	4.47
29	5.02	79	0.17
30	4.75	80	0.2
31	4.76	81	4.92
32	4.77	82	0.47
33	0.06	83	0
34	4.31	84	5.04
35	4.29	85	4.71
36	8.11	86	1.47
37	8.89	87	2.46
38	0	88	0
39	0	89	5.1
40	4.9	90	5.1
41	0	91	0
42	2.63	92	0
43	2.3	93	2.53
44	0	94	2.52
45	0	95	0.02
46	1.84	96	0
47	1.83	97	0
48	4.62	98	5.07
49	4.70	99	0
50	0	100	0

IC202

Pin. No.	Vol. (V)	Pin. No.	Vol. (V)
1	0	5	4.75
2	0	6	4.82
3	0	7	0
4	0	8	5.03

IC261

Gate	Vol. (V)	Gate	Vol. (V)
Anode	1.19	Collector	4.53
Cathord	0	Emmitor	0

IC301

Pin. No.	Vol. (V)	Pin. No.	Vol. (V)
1	4.04	27	2.34
2	1.81	28	7.68
3	0.11	29	2.4
4	0.96	30	3.83

Pin. No.	Vol. (V)	Pin. No.	Vol. (V)
5	0	31	0
6	1.41	32	3.14
7	1.41	33	2.33
8	4.91	34	3.82
9	8.31	35	3.18
10	1.36	36	2.33
11	4.80	37	0
12	0.64	38	2.61
13	1.22	39	3.29
14	4.38	40	6.80
15	4.73	41	2.33
16	5.26	42	1.5
17	0	43	2.34
18	6.0	44	2.91
19	4.72	45	2.94
20	8.38	46	3.6
21	2.98	47	8.37
22	2.88	48	2.93
23	2.94	49	4.07
24	4.96	50	4.07
25	2.33	51	3.08
26	3.2	52	5.10

IC361

Pin. No.	Vol. (V)	Pin. No.	Vol. (V)
1	4.89	9	4.96
2	0	10	0
3	0	11	2.58
4	0	12	2.53
5	0.80	13	3.24
6	0	14	1.31
7	0	15	0
8	0	16	1.31

IC401

Pin. No.	Vol. (V)	Pin. No.	Vol. (V)
1	0	22	2.72
2	2.14	23	3.17
3	2.17	24	3.18
4	2.4	25	2.13
5	4.49	26	1.91
6	4.49	27	1.91
7	4.88	28	4.82
8	2.25	29	1.83
9	3.01	30	4.14
10	2.08	31	2.85
11	0	32	0.49
12	2.0	33	0.01
13	3.11	34	1.92
14	1.56	35	4.82
15	2.83	36	0.49
16	2.18	37	3.14
17	2.21	38	1.45
18	3.57	39	3.27
19	2.27	40	3.47
20	0	41	0.64
21	4.88	42	2.28

IC481

Pin. No.	Vol. (V)	Pin. No.	Vol. (V)
1	0	13	0
2	2.31	14	1.95
3	4.83	15	1.96
4	2.32	16	4.83
5	0	17	0
6	0	18	4.83
7	2.2	19	8.13
8	0	20	0
9	1.29	21	0
10	0	22	0.01
11	2.35	23	1.46
12	1.17	24	0

IC541

Pin. No.	Vol. (V)	Pin. No.	Vol. (V)
1	8.04	8	25.59
2	5.85	9	1.97
3	4.02	10	1.48
4	4.21	11	0
5	0.01	12	0
6	4.04	13	25.99
7	3.69		

IC601

Pin. No.	Vol. (V)	Pin. No.	Vol. (V)
1	30.32	3	0
2	29.33	4	0

IC661

Gate	Vol. (V)	Gate	Vol. (V)
In	7.44	Out	4.97
Com	0		

IC662

Gate	Vol. (V)	Gate	Vol. (V)
In	10.67	Out	5.92

Gate	Vol. (V)	Gate	Vol. (V)
Com	0		

IC701

Pin. No.	Vol. (V)	Pin. No.	Vol. (V)
1	0.88	9	0.06
2	2.99	10	0.06
3	4.18	11	0.06
4	4.18	12	2.15
5	4.18	13	3.42
6	0	14	2.15
7	0	15	2.99
8	0	16	8.37

IC801

Pin. No.	Vol. (V)	Pin. No.	Vol. (V)
1	0.21	5	0
2	3.65	6	0
3	0.74	7	5.77
4	0.59	8	12.09

IC851

Pin. No.	Vol. (V)	Pin. No.	Vol. (V)
1	9.05	13	3.98
2	0	14	4.01
3	0	15	4.06
4	2.22	16	0.11
5	2.15	17	4.06
6	2.17	18	0
7	0	19	9.06
8	2.16	20	9.03
9	4.02	21	0.02
10	3.99	22	0
11	0	23	0
12	0	24	0

IC871

Pin. No.	Vol. (V)	Pin. No.	Vol. (V)
1	2.33	11	0
2	1.83	12	2.22
3	4.46	13	2.19
4	1.77	14	4.94
5	1.69	15	0
6	4.93	16	4.94
7	0	17	0
8	0	18	2.9
9	0	19	4.47
10	0	20	4.95

IC971

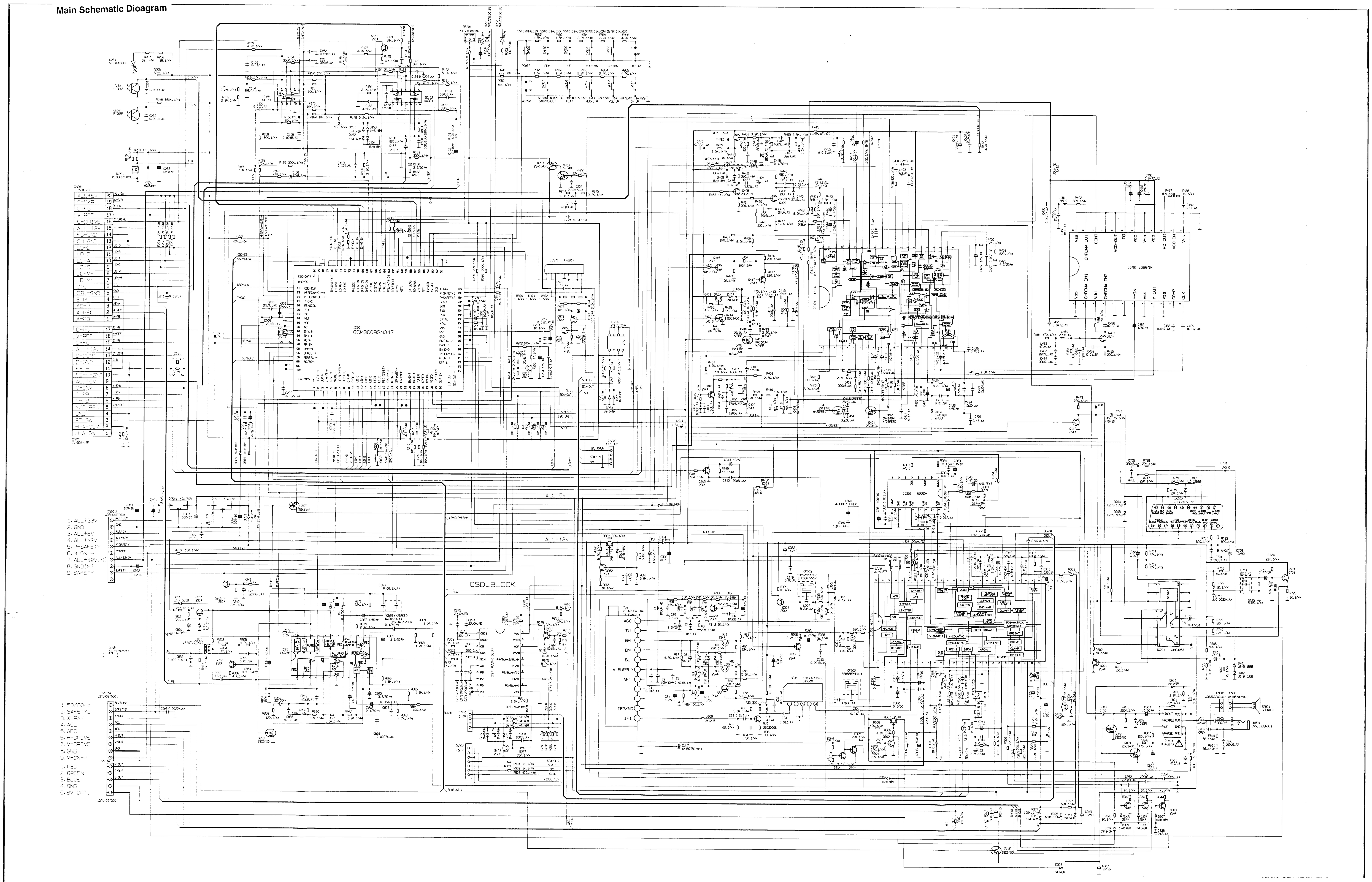
Pin. No.	Vol. (V)	Pin. No.	Vol. (V)
1	5.09	6	12.22
2	12.22	7	0.55
3	0.55	8	12.21
4	0	9	5.09
5	0		

Transistors

Ref. No.	E	C	B
Q31	0.43	7.0	1.17
Q81	9.12	9.08	8.46
Q82	9.13	0.63	9.12
Q83	9.12	0.42	9.11
Q84	0	0	0.67
Q153	2.1	5.04	2.76
Q201	0	5.07	0
Q202	0	4.82	0.33
Q203	5.04	0.5	5.03
Q204	5.05	5.04	0.02
Q205	0	6.67	0.01
Q261	0	4.03	—
Q262	0	3.12	—
Q272	0	4.19	0
Q301	8.35	8.27	7.59
Q302	0	0.08	0.69
Q303	3.58	0.0	2.94
Q304			
Q306	3.63	0	3.0
Q307	3.49	0	2.84
Q308	3.62	0	2.98
Q309	0	0.16	-0.2
Q311	3.29	0	2.62
Q312	0	5.86	0
Q313	0	0.01	0.63
Q314	0	0.56	0
Q401	2.79	0	2.18
Q402	3.4	0	2.8
Q403	0	4.89	0.02
Q404	0	0	5.04
Q408	1.61	3.23	2.32
Q409	0.94	4.3	1.61
Q411	2.71	4.90	3.36
Q412	2.65	0	1.95
Q413	4.9	-0.3	4.88
Q414	0	4.88	0
Q416	0	0.06	0
Q417	2.64	0	1.96

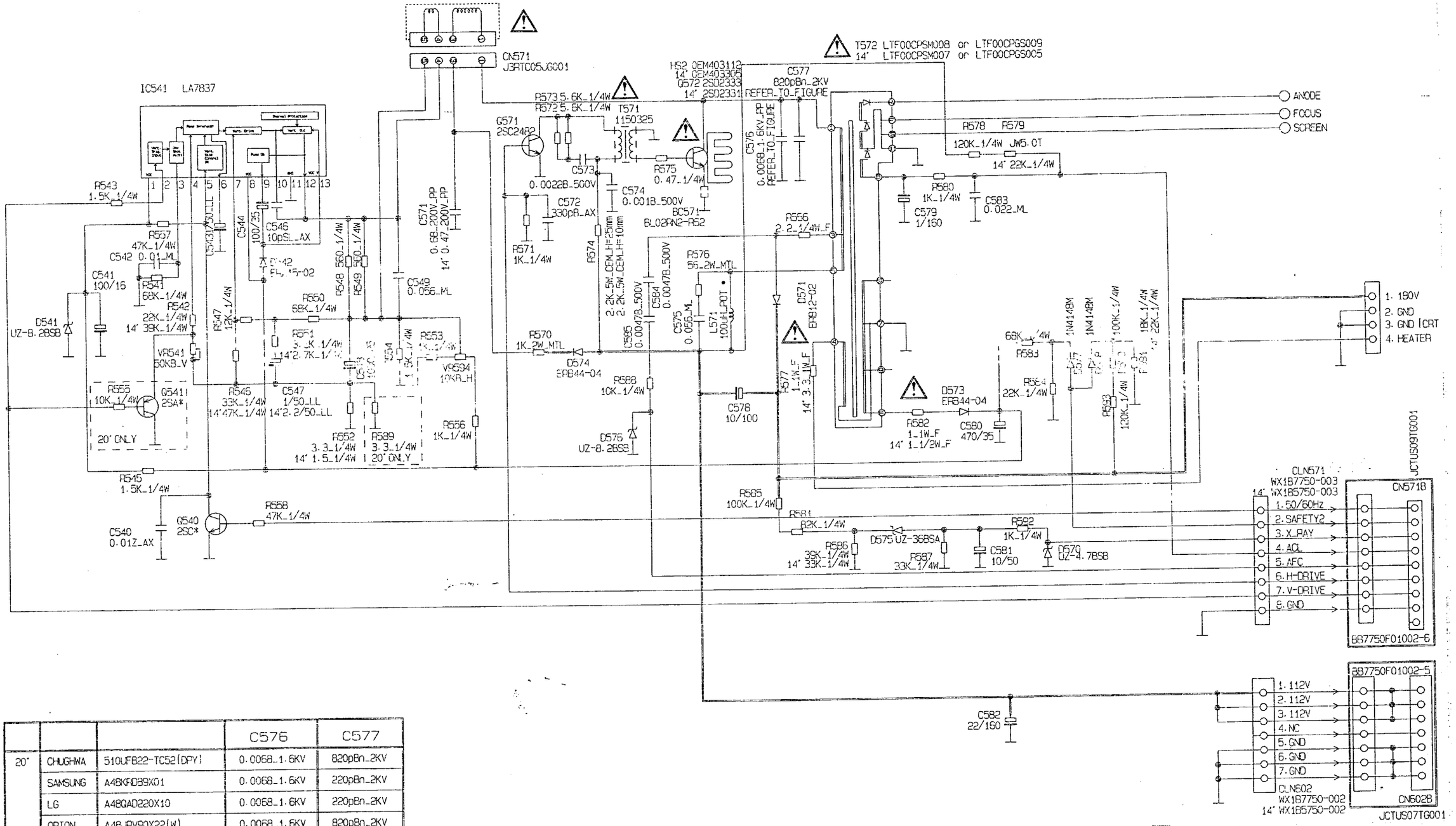
Ref. No.	E	C	B
Q481	0.62	4.22	1.26
Q501	3.46	134.4	3.65
Q502	3.29	138.0	3.5
Q503	3.43	133.7	3.63
Q531	3.31	0	2.63
Q540	0	0.01	0.59
Q541	2.09	0	5.83
Q571	0	71.7	0.34
Q572	0		-0.15
Q602	0	0.86	0
Q603	0	0.86	-8.79
Q604	0.8	0	0.86
Q605	6.66	29.31	7.15
Q606	0	6.66	0
Q608	0	0	0.62
Q609	0	0	0.67
Q610	0.2	12.24	0
Q611	0	7.77	0
Q661	12.19	9.30	11.57
Q662	0	11.57	4.24
Q701	2.82	0	2.16
Q702	2.98	8.36	3.62
Q703	0.63	0	0.14
Q801	0	0.74	0.01
Q851	9.04	17.0	9.71
Q852	9.02	9.04	9.04
Q853	0	0	0
Q971	12.22	0.01	12.22
Q972	0.01	6.67	0.01
Ref. No.	**D**	**G**	**S**
Q601	269.8	0.8	0.07

Main Schematic Dioagram



NOTES:
CHASSIS SCHEMATIC DIAGRAM NOTES.
1. ALL RESISTOR VALUES ARE IN OHMS. K=1000, M=1000K
2. ALL CAPACITANCE VALUES ARE IN uF UNLESS OTHERWISE NOTED. pF=uuF
3. ⚠ SAFETY REQUIREMENTS COMPONENT IN ACCORDANCE WITH PRESENT SAFETY REGULATIONS. THESE COMPONENTS MUST ONLY BE REPLACED BY ORIGINAL PARTS.
4. ▭ WAVEFORM READINGS
5. 2SA*: 2SA608SP(E)-2SA608SP(F)-2SA1318(T)-2SA1318(U)-2SA1015(GR)
2SC*: 2SC536SP(E)-2SC536SP(F)-2SC3331(T)-2SC3331(U)-2SC1815(GR)

H/V Schematic Diagram



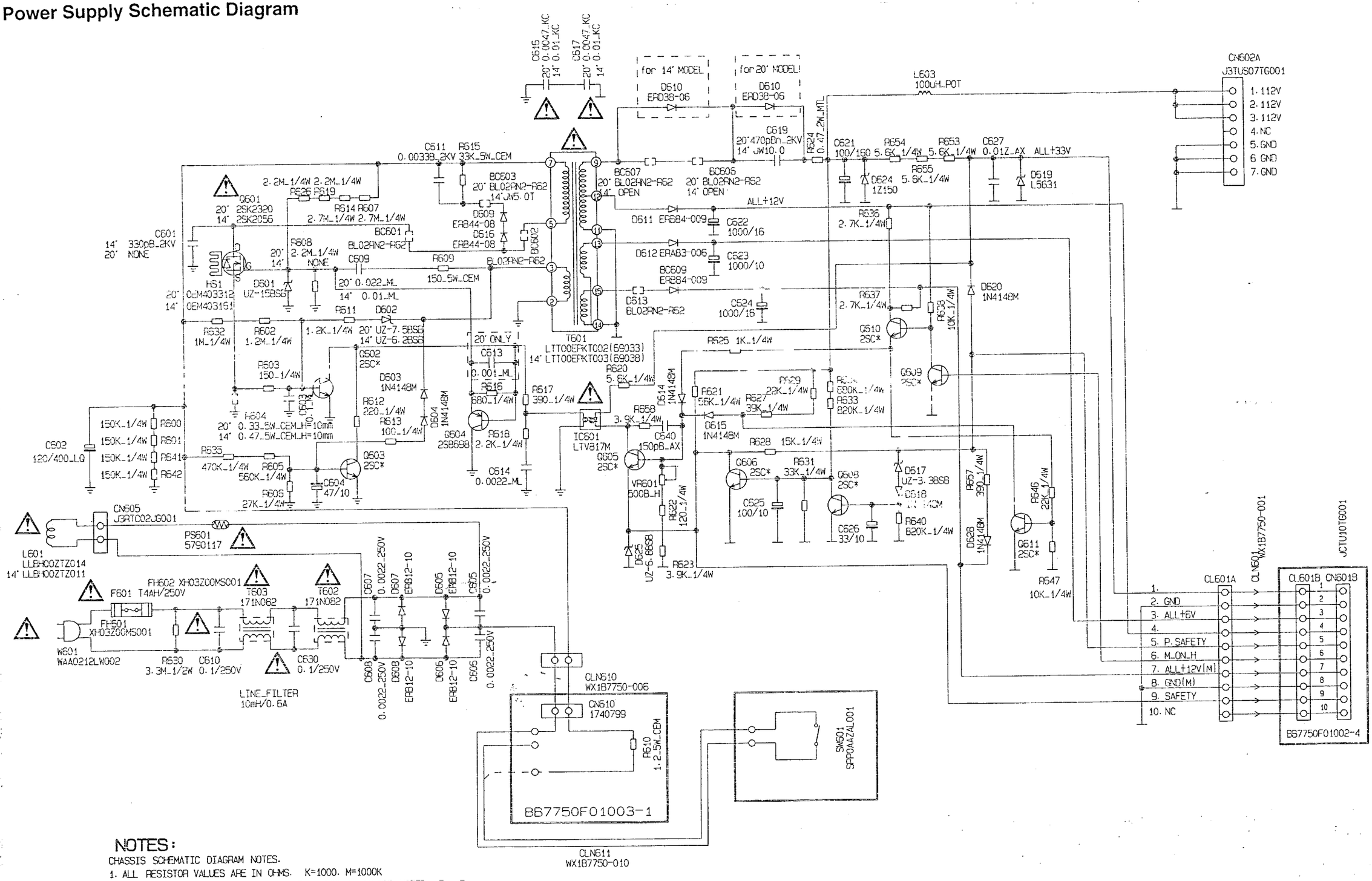
			C576	C577
20"	CHUGHWA	510UFB22-TC52(DPY)	0.0068_1.6KV	820pBn_2KV
	SAMSUNG	A48KFD89X01	0.0068_1.6KV	220pBn_2KV
	LG	A48GAD220X10	0.0068_1.6KV	220pBn_2KV
	ORION	A48JAV90X22(W)	0.0068_1.6KV	820pBn_2KV
	LG(S)	A48GAD220X10(S)	0.0068_1.6KV	220pBn_2KV
14"	CHUGHWA	370KFB22-TC09(SPYB)	0.0068_1.6KV	---
	SAMSUNG	37GDA85X-TC01	0.0068_1.6KV	---
	LG	A34KPU02X48	0.0056_1.6KV	820pBn_2KV
	ORION	A34JLL90X	0.0068_1.6KV	---
	PHILIPS	A34EACC1X12	0.0056_1.6KV	470pBn_2KV
	LG(S)	A34KPU02X48(T)	0.0068_1.6KV	---

NOTES:

CHASSIS SCHEMATIC DIAGRAM NOTES.

1. ALL RESISTOR VALUES ARE IN OHMS. K=1000. M=1000K
2. ALL CAPACITANCE VALUES ARE IN uF UNLESS OTHERWISE NOTED. pF=uuF
3. ⚠ SAFETY REQUIREMENTS COMPONENT IN ACCORDANCE WITH PRESENT SAFETY REGULATIONS. THESE COMPONENTS MUST ONLY BE REPLACED BY ORIGINAL PARTS.
4. ▭ WAVEFORM READINGS

Power Supply Schematic Diagram

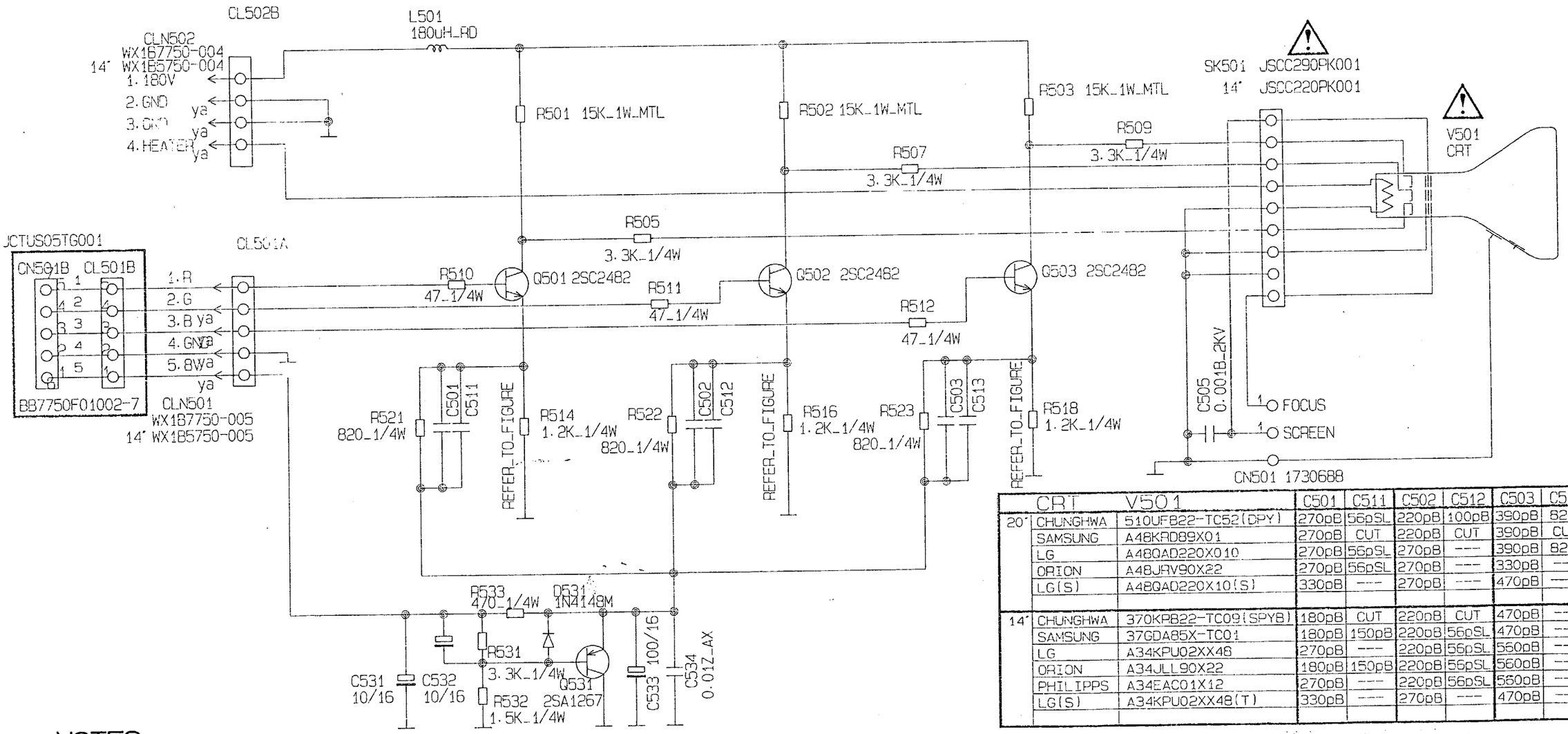


NOTES:

CHASSIS SCHEMATIC DIAGRAM NOTES.

1. ALL RESISTOR VALUES ARE IN OHMS. K=1000. M=1000K
2. ALL CAPACITANCE VALUES ARE IN uF UNLESS OTHERWISE NOTED. pF=uuF
3. ⚠ SAFETY REQUIREMENTS COMPONENT IN ACCORDANCE WITH PRESENT SAFETY REGULATIONS. THESE COMPONENTS MUST ONLY BE REPLACED BY ORIGINAL PARTS.
4. ▭ WAVEFORM READINGS
5. NO INDICATED 2SC* ARE USED KTC3199.

CRT Schematic Diagram



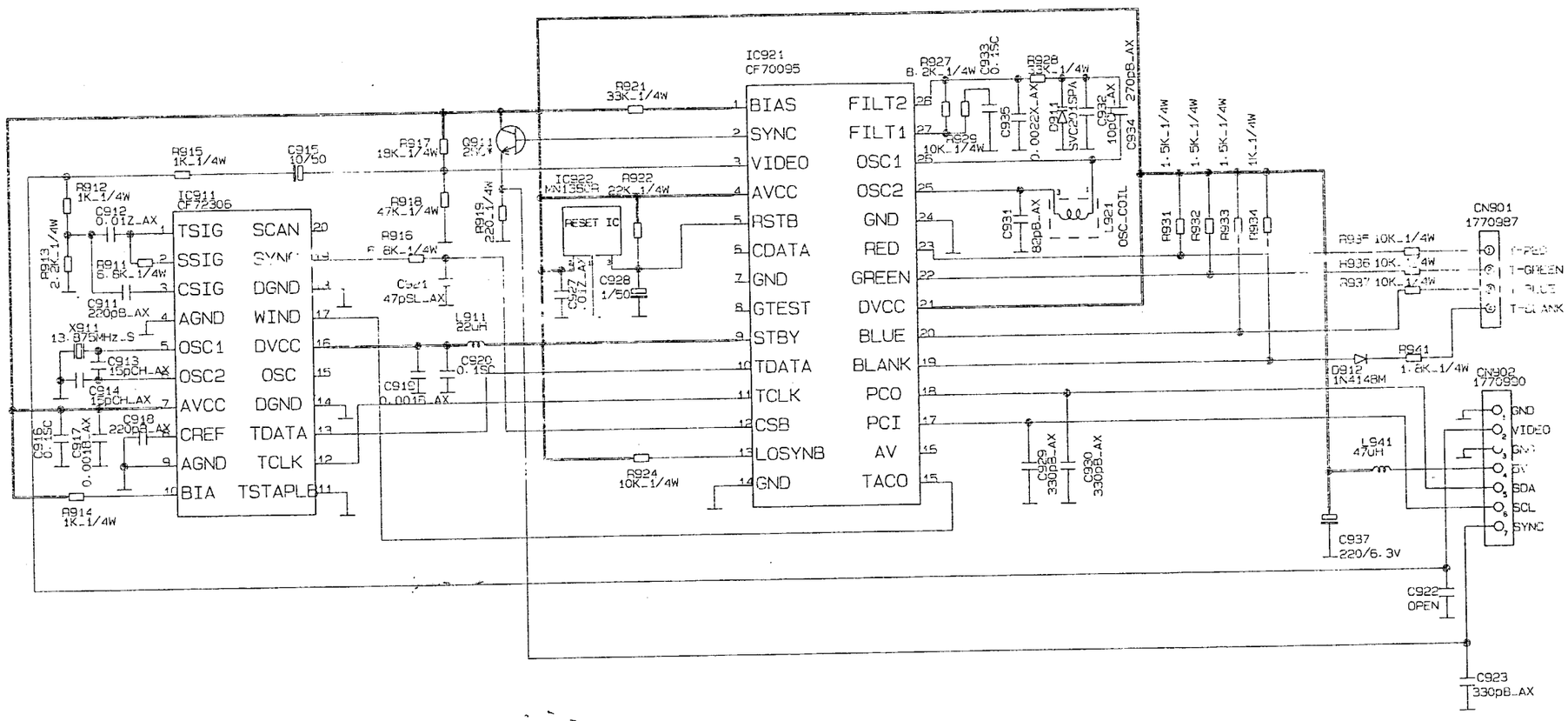
CRT	V501	C501	C511	C502	C512	C503	C513
20" CHUNGHWA	510UFB22-TC52(DPY)	270pB	56pSL	220pB	100pB	390pB	82pB
SAMSUNG	A48KRD89X01	270pB	CUT	220pB	CUT	390pB	CUT
LG	A480AD220X010	270pB	56pSL	270pB	---	390pB	82pB
ORION	A48JRV90X22	270pB	56pSL	270pB	---	330pB	---
LG(S)	A480AD220X10(S)	330pB	---	270pB	---	470pB	---
14" CHUNGHWA	370KPB22-TC09(SPYB)	180pB	CUT	220pB	CUT	470pB	---
SAMSUNG	37GDA85X-TC01	180pB	150pB	220pB	56pSL	470pB	---
LG	A34KPU02XX48	270pB	---	220pB	56pSL	560pB	---
ORION	A34JLL90X22	180pB	150pB	220pB	56pSL	560pB	---
PHILIPPS	A34EAC01X12	270pB	---	220pB	56pSL	560pB	---
LG(S)	A34KPU02XX48(T)	330pB	---	270pB	---	470pB	---

NOTES:

CHASSIS SCHEMATIC DIAGRAM NOTES.

1. ALL RESISTOR VALUES ARE IN OHMS. K=1000. M=1000K
2. ALL CAPACITANCE VALUES ARE IN uF UNLESS OTHERWISE NOTED. pF=uuF
3. ⚠ SAFETY REQUIREMENTS COMPONENT IN ACCORDANCE WITH PRESENT SAFETY REGULATIONS. THESE COMPONENTS MUST ONLY BE REPLACED BY ORIGINAL PARTS.
4. ▭ WAVEFORM READINGS

Teletext Schematic Diagram

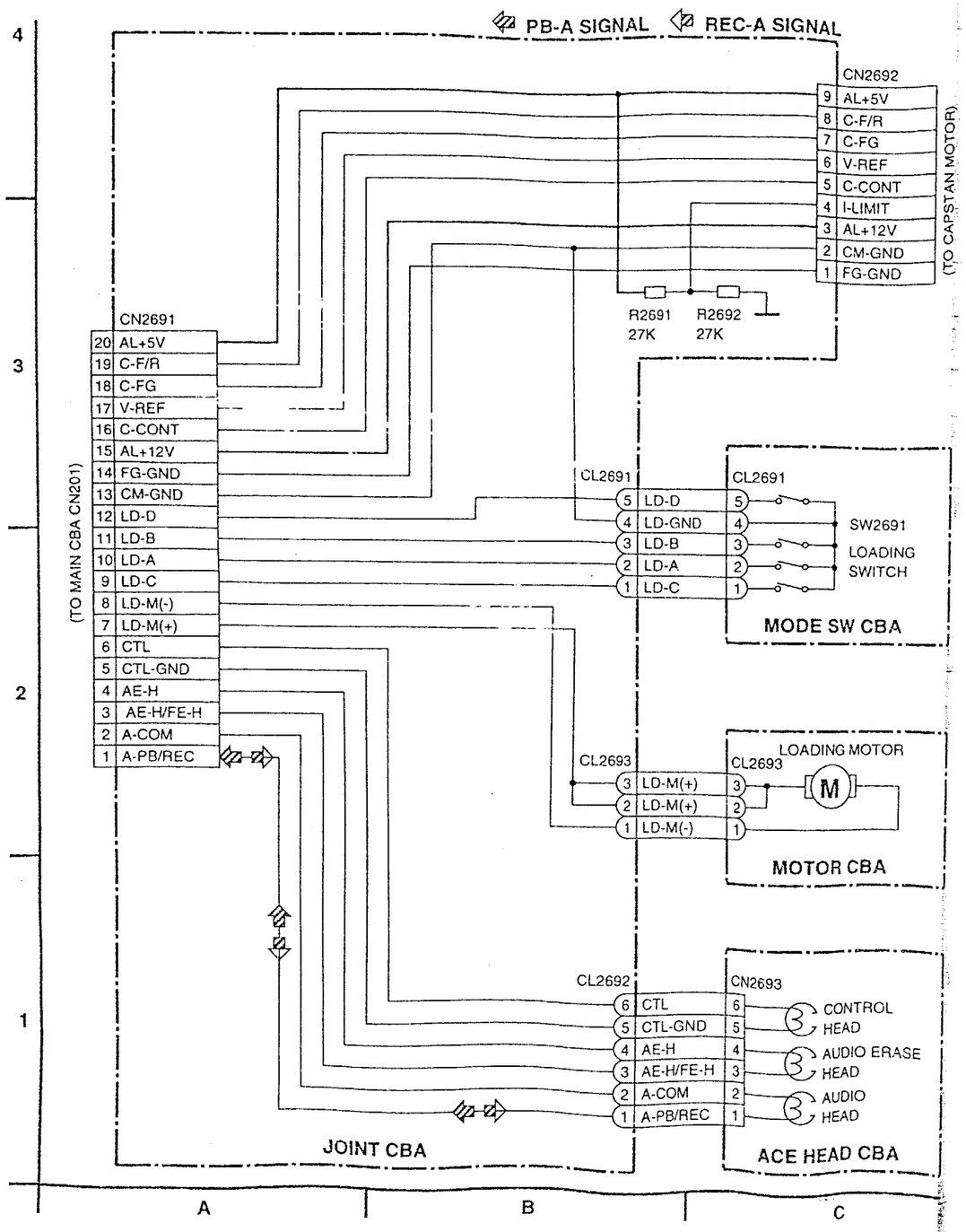


NOTES:

CHASSIS SCHEMATICDIAGRAM NOTES.

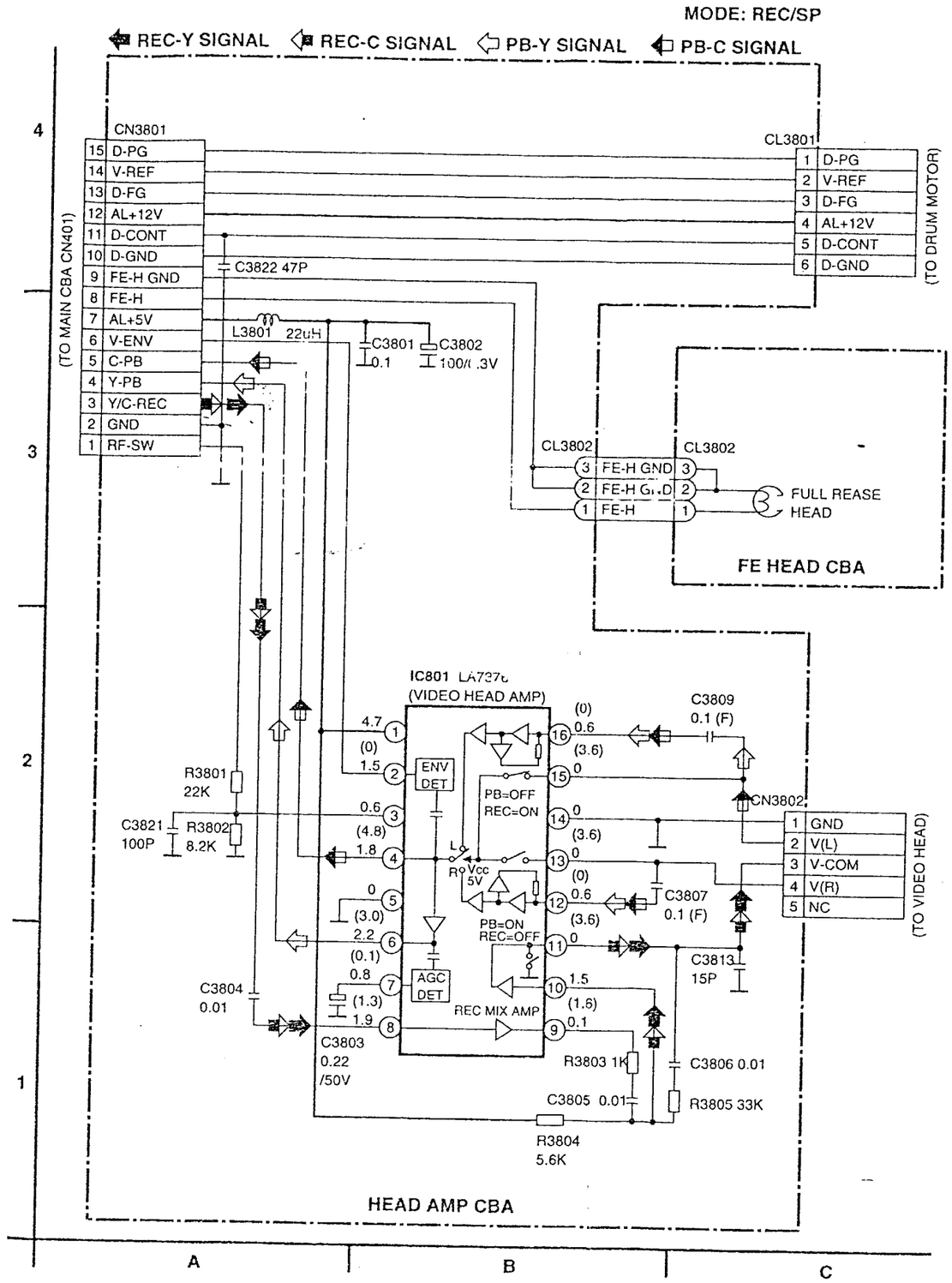
1. ALL RESISTORVALUES ARE IN OHMS. K=1000.M=1000K
2. ALL CAPACITANCEVALUES ARE IN uF UNLESSOTHERWISENOTED.pF=uuF
3. ⚠ SAFETY REQUIREMENTSCOMPONENT IN ACCORDANCEWITH PRESENTSAFETY REGULATIONS. THESE COMPONENTSMUST ONLY BE REPLACEDBY ORIGINALPARTS.
4. ▭ WAVEFORM READINGS

Joint/Mode Sw/Ace Head/Loading Motor Schematic Diagram



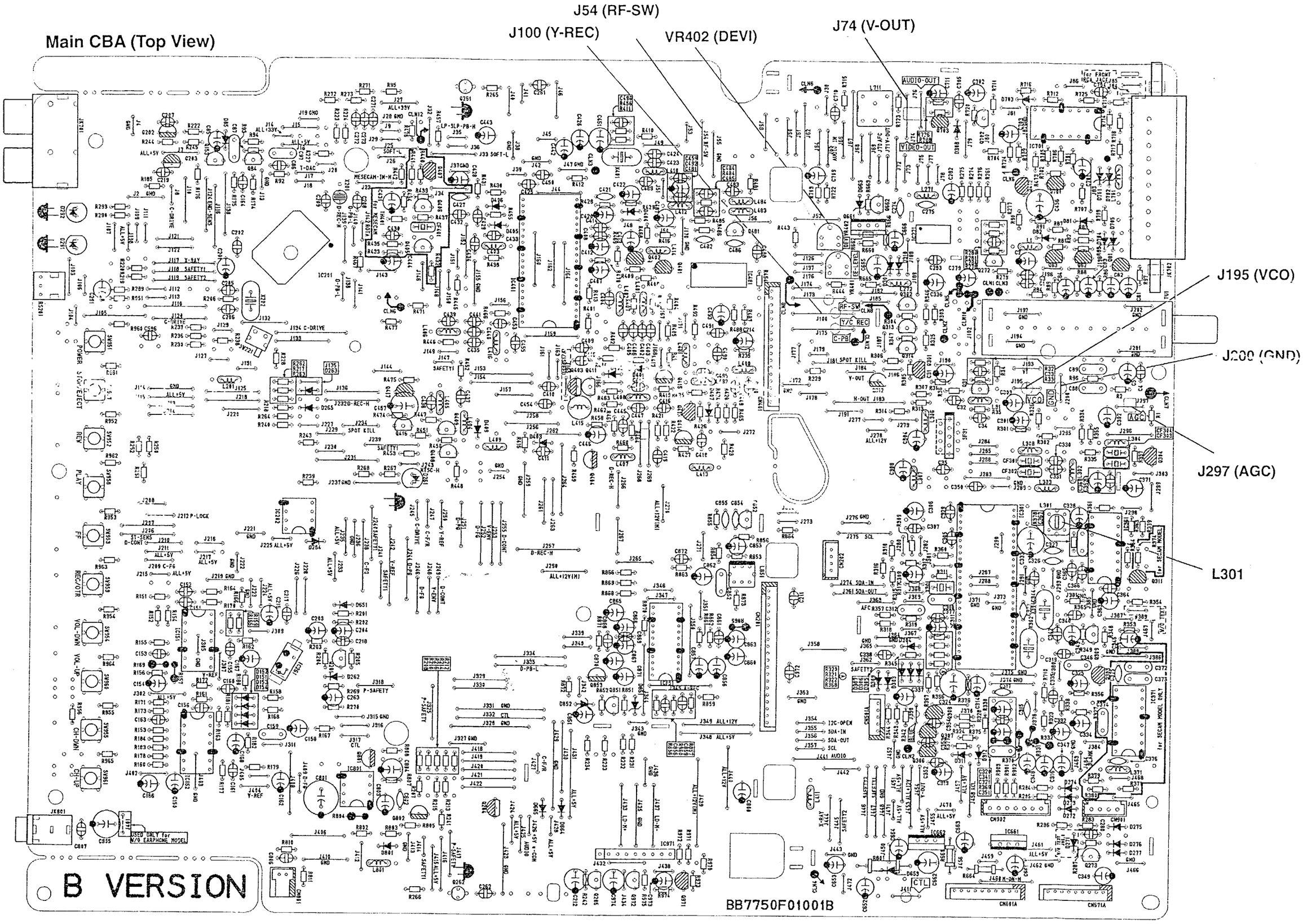
B7751SC

Head Amp/FE-Head Schematic Diagram

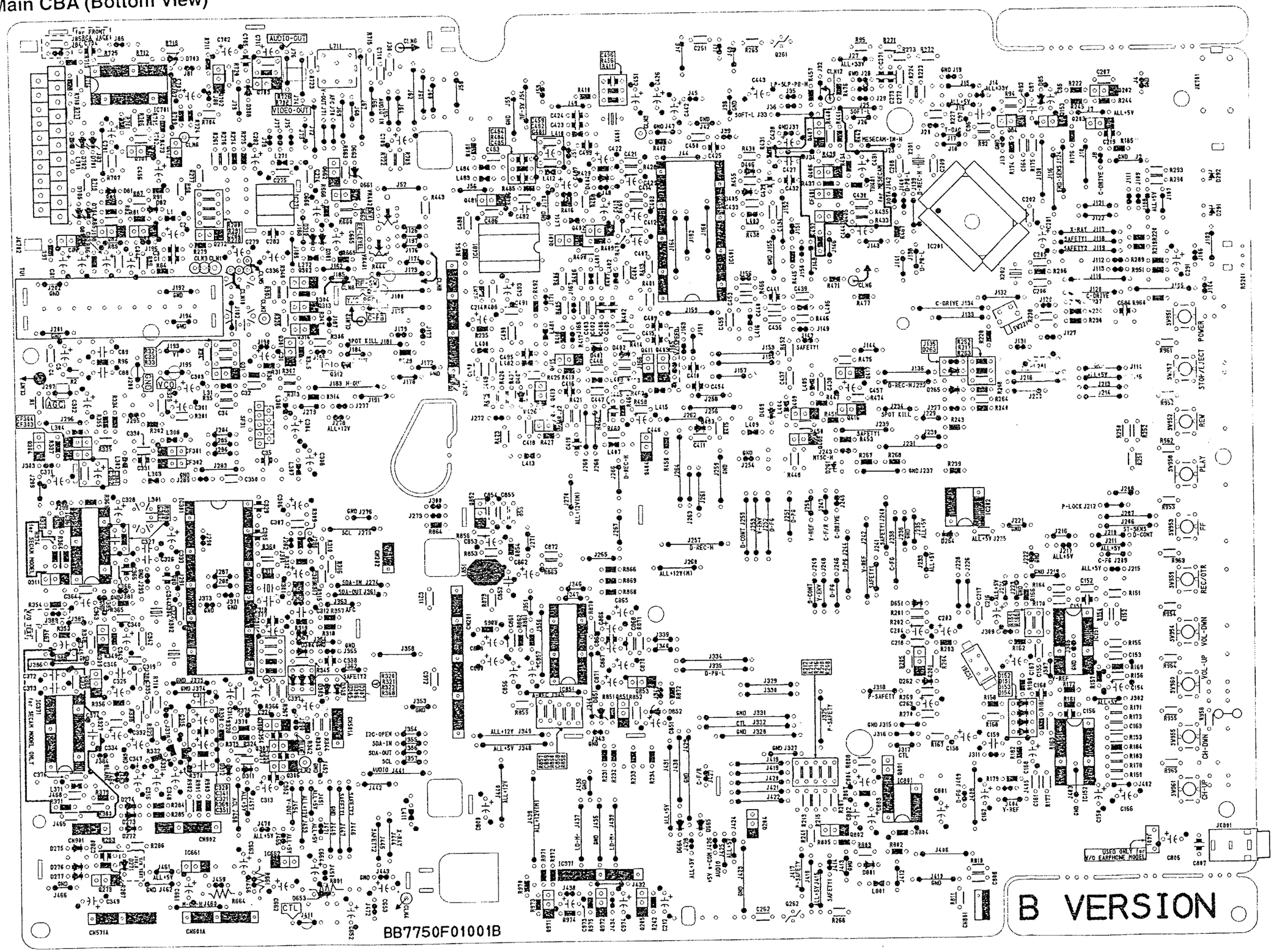


B7751SC2H

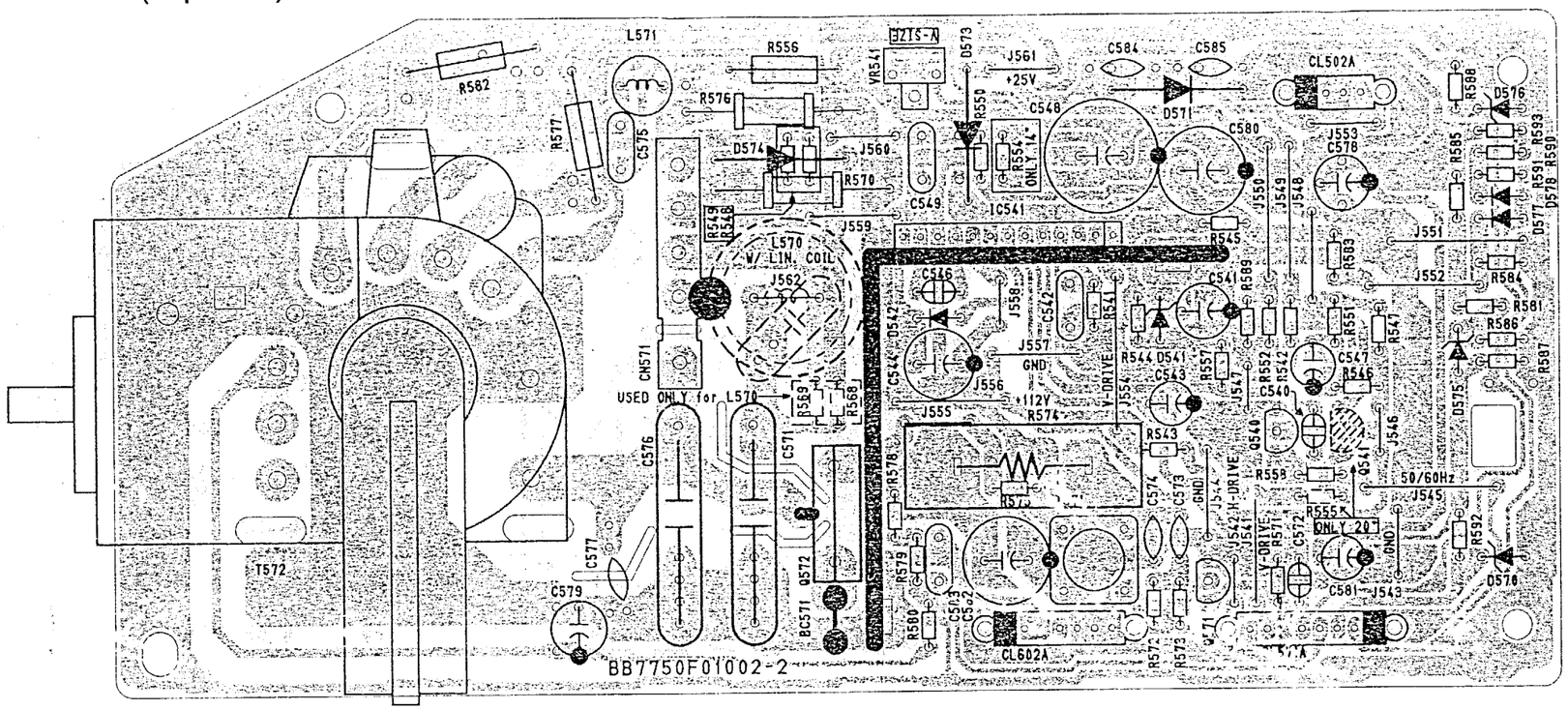
Main CBA (Top View)



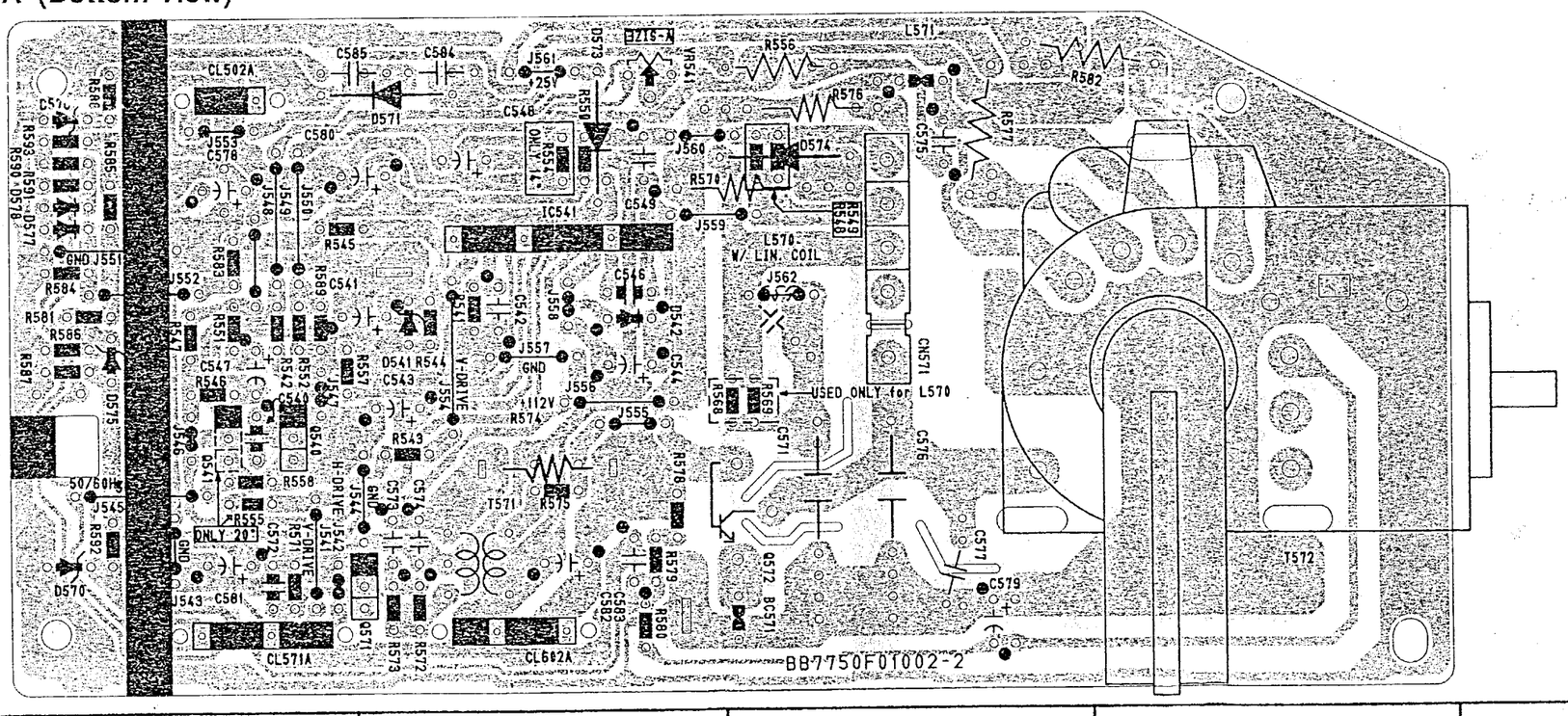
Main CBA (Bottom View)



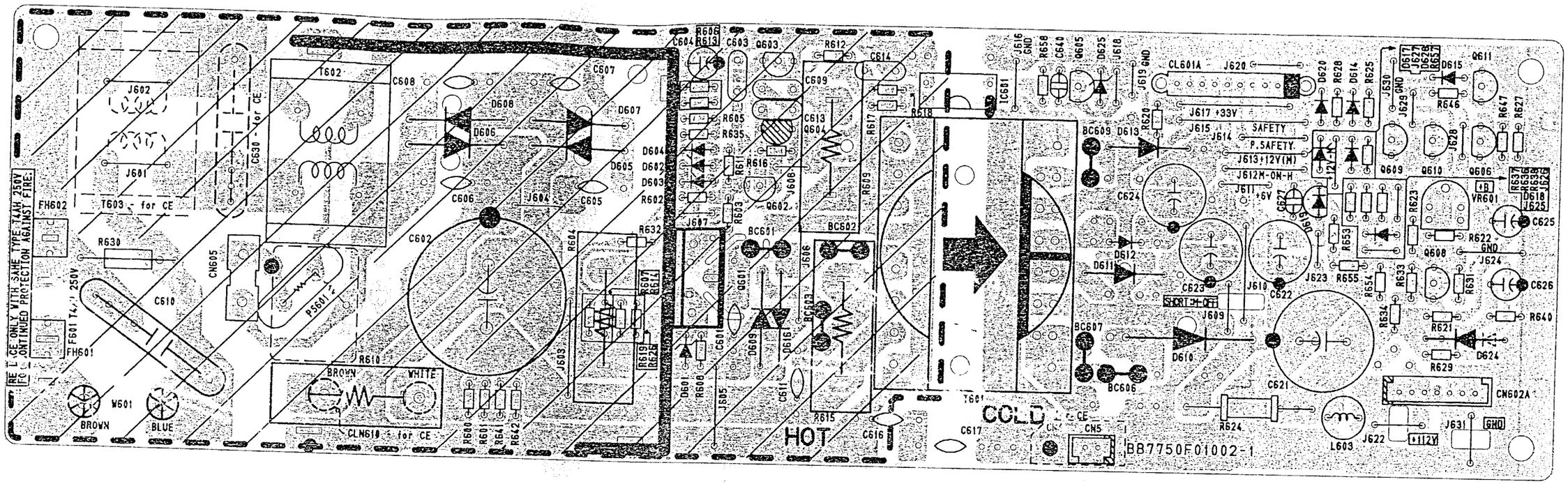
H/V CBA (Top View)



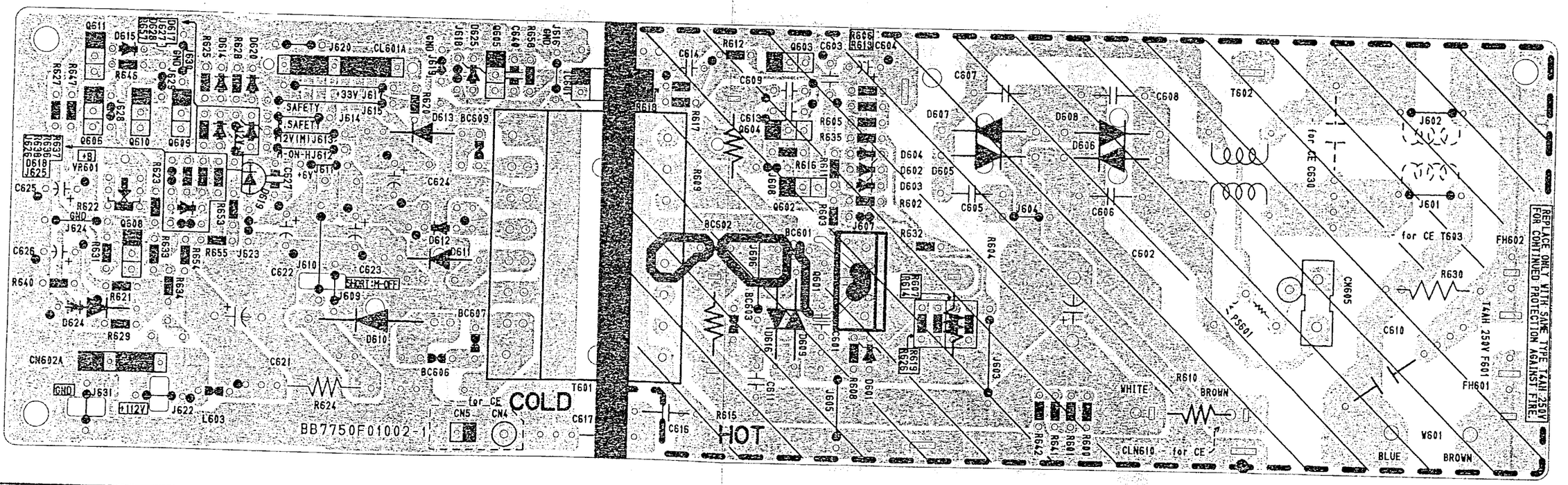
H/V CBA (Bottom View)



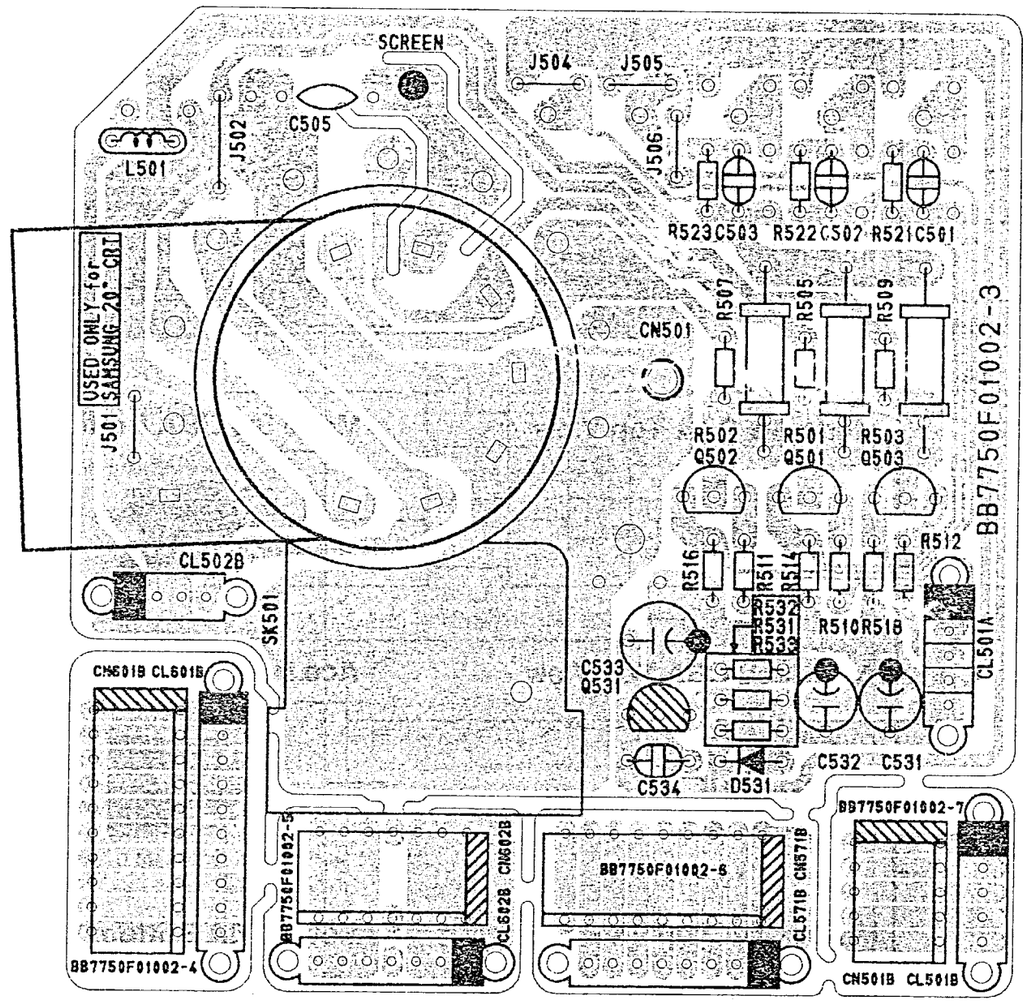
Power Supply CBA (Top View)



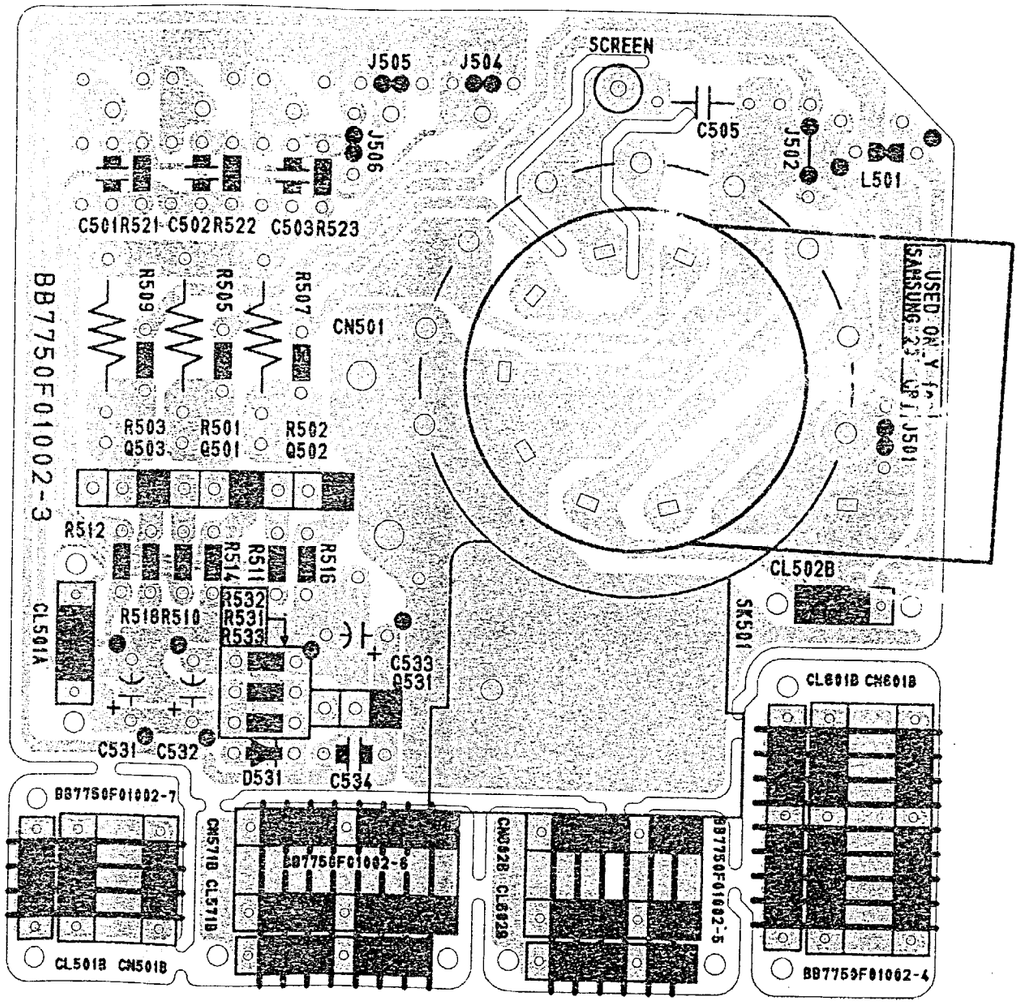
Power Supply CBA (Bottom View)



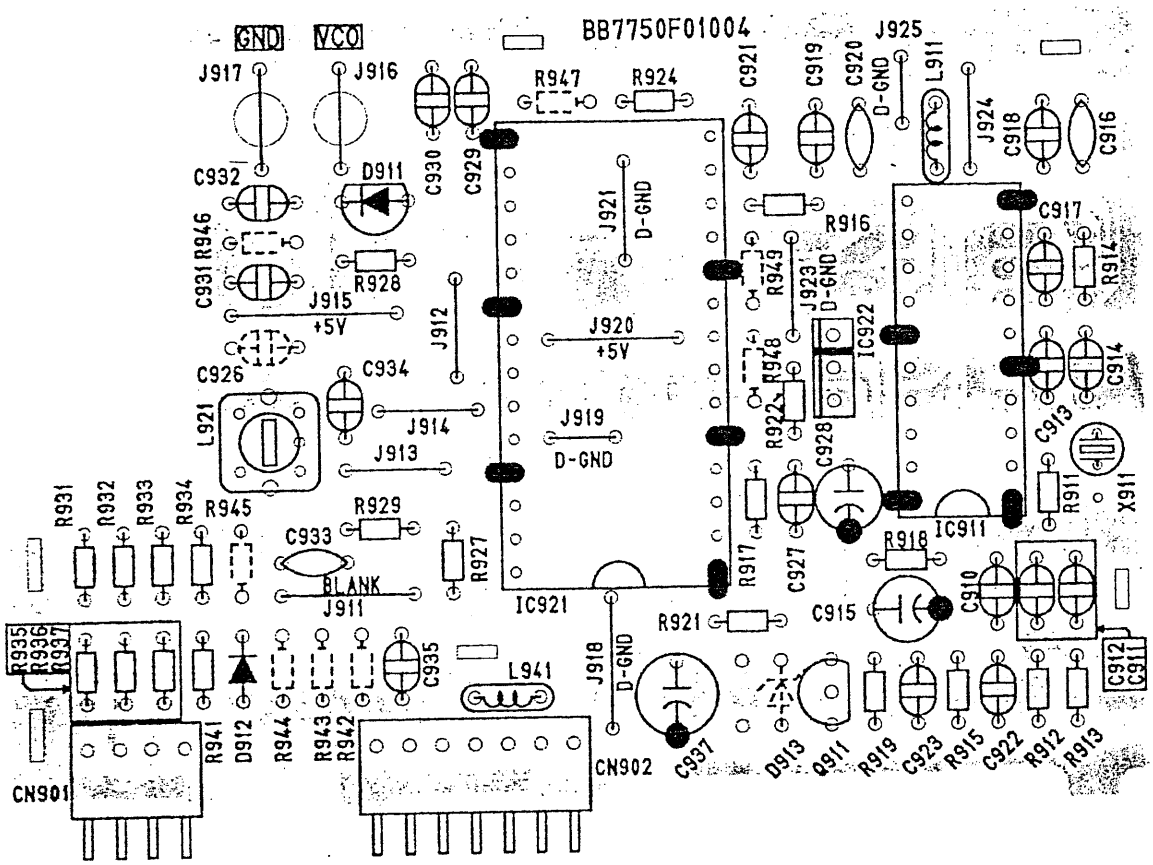
CRT CBA (Top View)



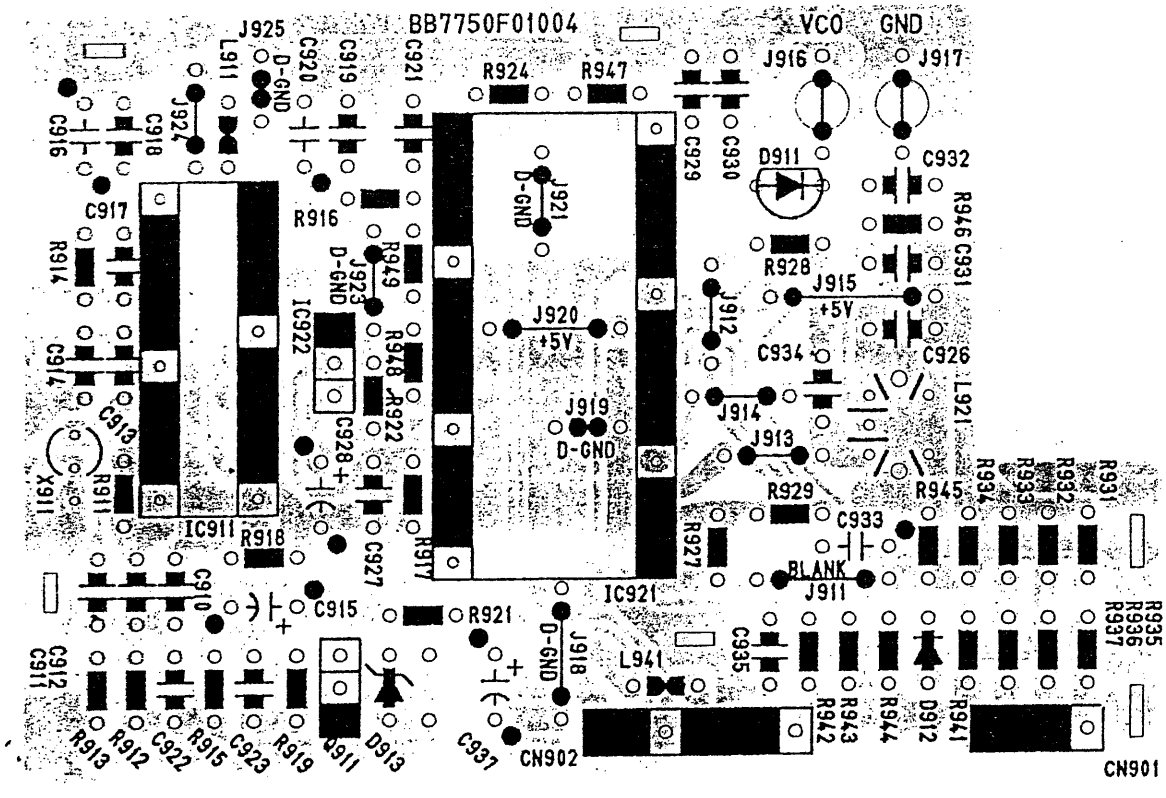
CRT CBA (Bottom View)



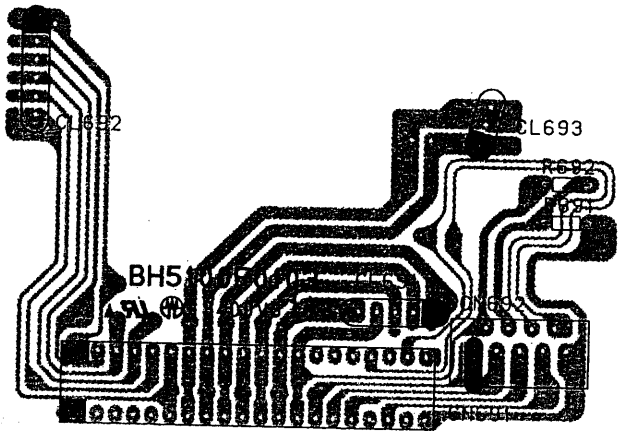
TELETEXT CBA (Top View)



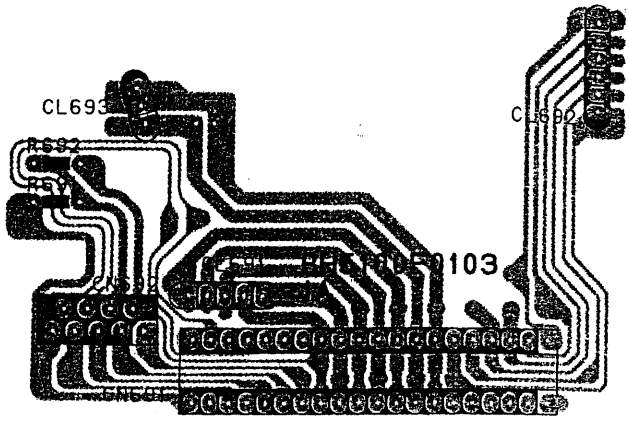
TELETEXT CBA (Bottom View)



Joint CBA Top View



Joint CBA Bottom View



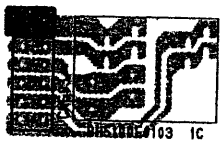
BH5100F0103-1A

Mode Sw CBA Top View

Mode Sw CBA Bottom View

BH5100F0103-1B

Ace Head CBA Top View

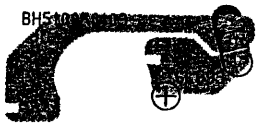


Ace Head CBA Bottom View

BH5100F0103-1C

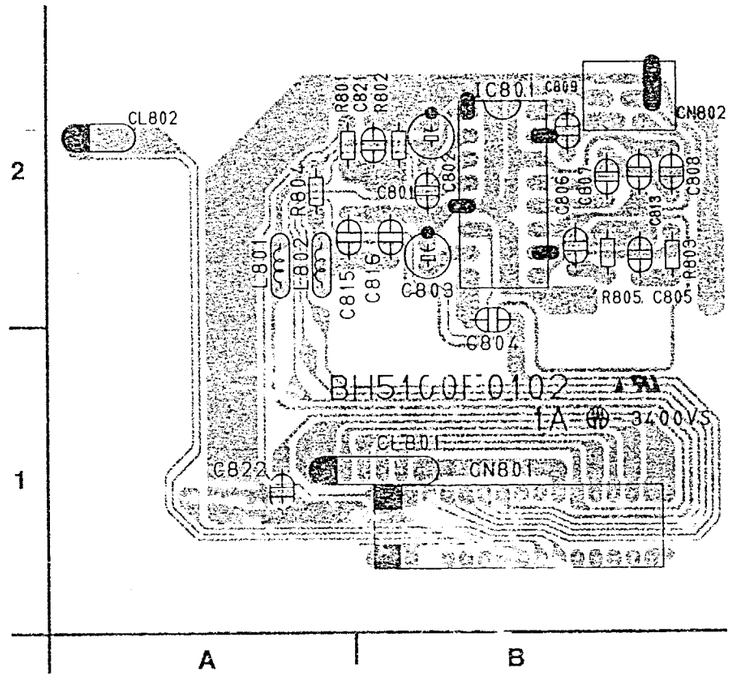
Motor CBA Top View

Motor CBA Bottom View

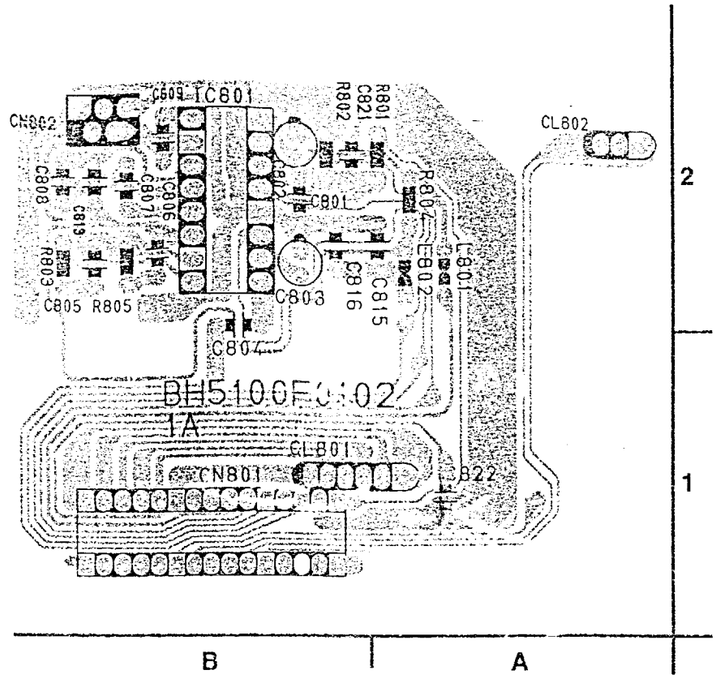


BH5100F0103-1D

Head Amp CBA Top View



Head Amp CBA Bottom View



BH5100F0102-1A

Note: There are two types of FE head CBAs and three types of FE heads. Combinations are made clear in Deck electrical parts list. As long as the combination is correct, all the three types of FE heads are interchangeable.

FE Head CBA Top View (TYPE B)

FE Head CBA Bottom View (TYPE B)

BH5100F0102-1B

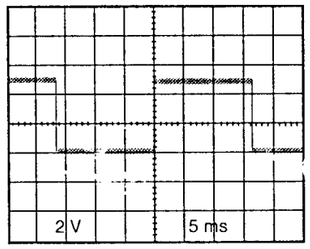
FE Head CBA Top View (TYPE C)

FE Head CBA Bottom View (TYPE C)

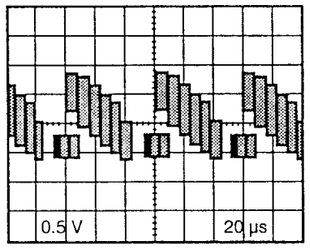
BH5100F0102-1C

1
A
B
C

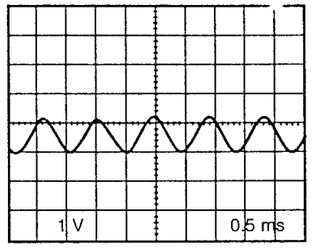
WAVEFORMS



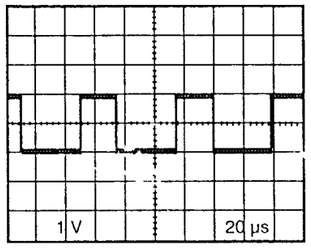
WF1 CN401 PIN 3 RF-SW



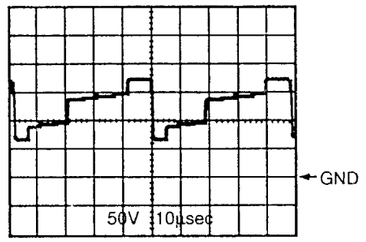
WF5 IC401 PIN 34 VIDEO AMP



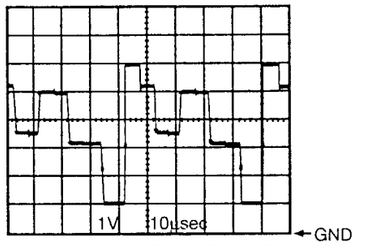
WF9 R864



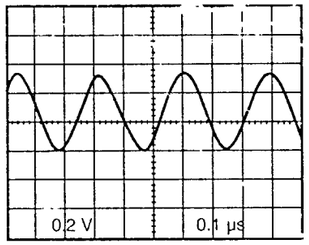
WF13 Q314 COLLECTOR



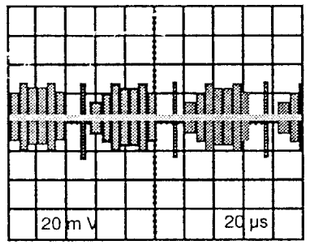
WF17 R502/R507 CROSS POINT



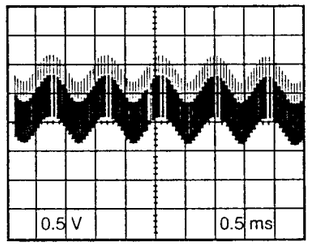
WF21 CN501A PIN 1 R-OUT



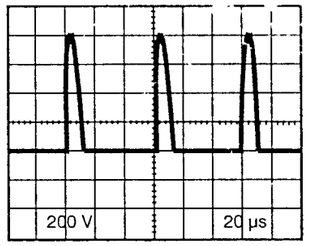
WF2 IC 481 PIN 12



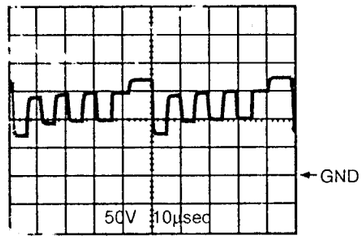
WF6 IC401 PIN 15 C-REC



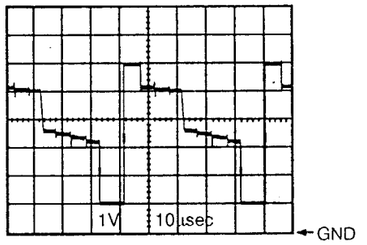
WF 10 IC851 PIN 13



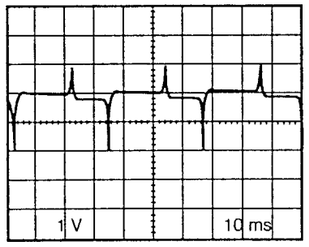
WF14 Q572 COLLECTOR



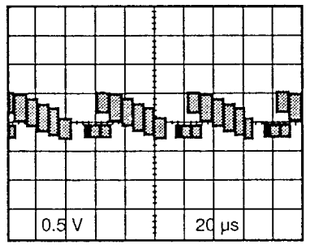
WF18 R503/R509 CROSS POINT



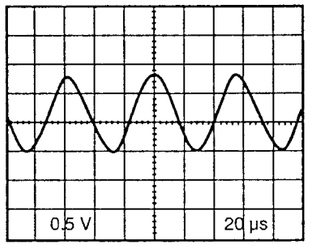
WF22 CN501A PIN 2 G-OUT



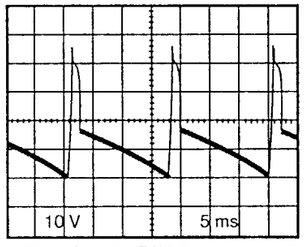
WF3 CN201 PIN 6 CTL



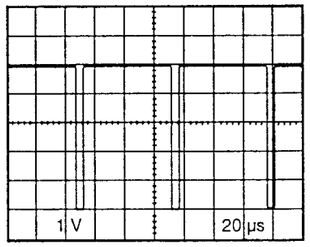
WF7 Q 411 EMITTER Y-REC



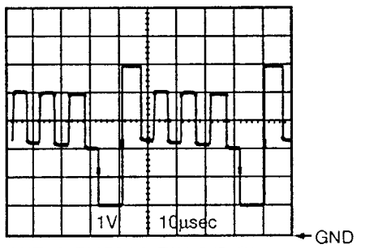
WF11 R870/C867 CROSS POINT



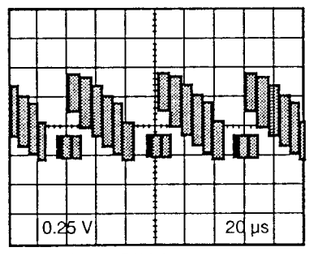
WF15 CN571 PIN 5



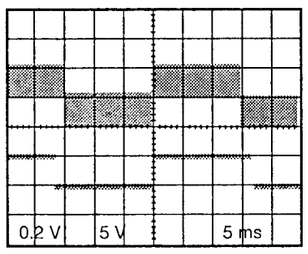
WF19 IC 271 PIN 18



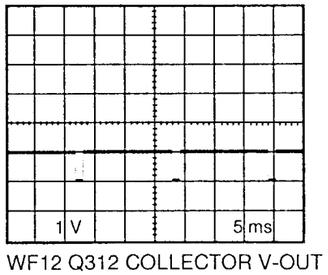
WF23 CN501A PIN 3 B-OUT



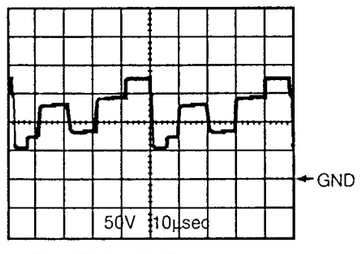
WF4 IC401 PIN 39



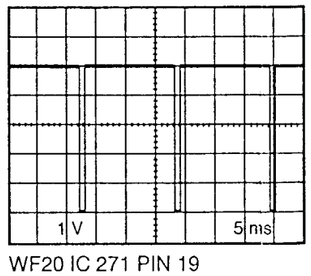
Upper: WF8 Lower: WF1
R423/R424 CROSS POINT



WF12 Q312 COLLECTOR V-OUT

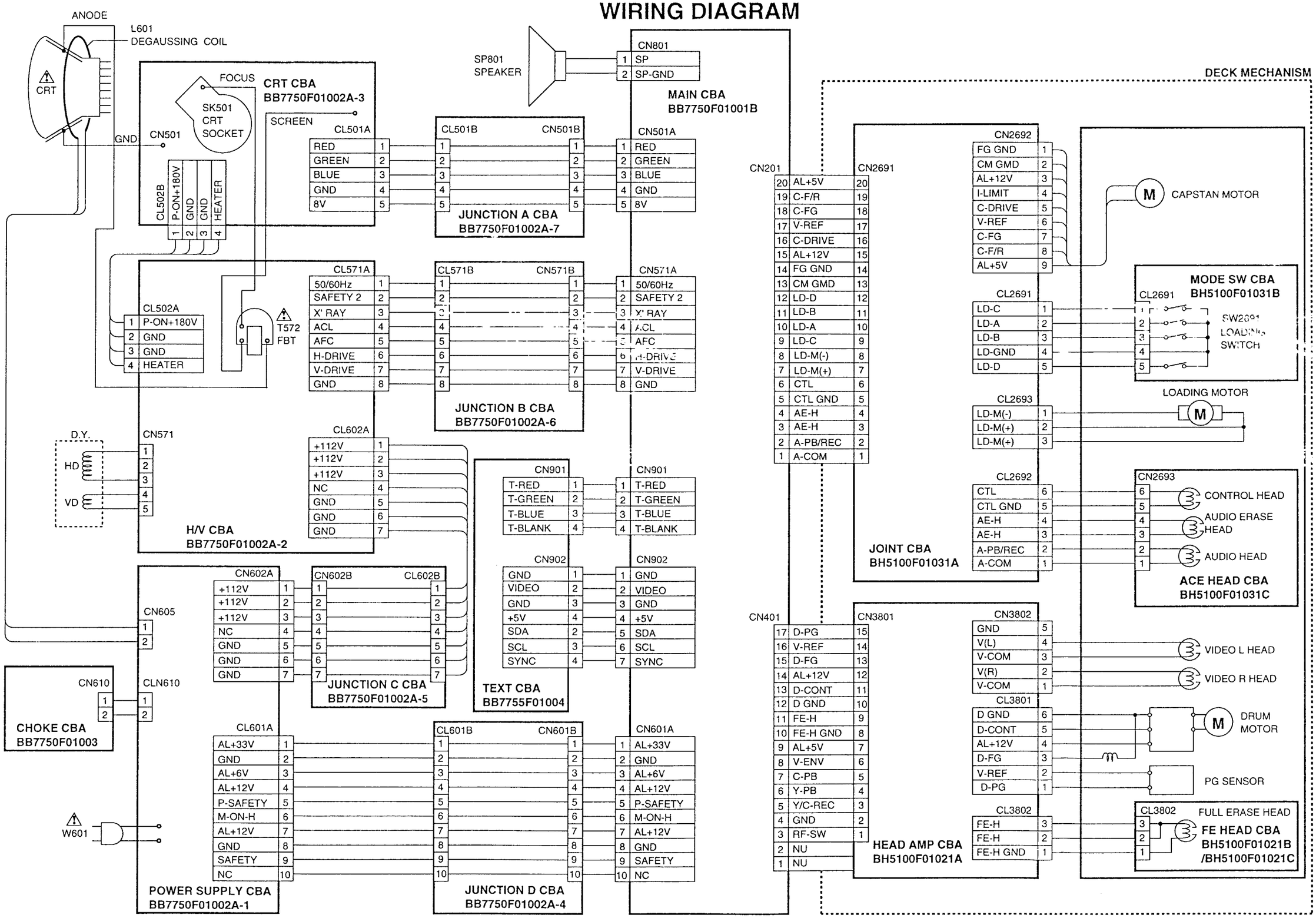


WF16 R501/R505 CROSS POINT



WF20 IC 271 PIN 19

WIRING DIAGRAM



SYSTEM CONTROL TIMING CHARTS

CHART 1

1. EJECT → CASS.IN → STOP (B) → STOP (A) → PLAY → RS → FS → PLAY → STILL → PLAY → STOP (A)

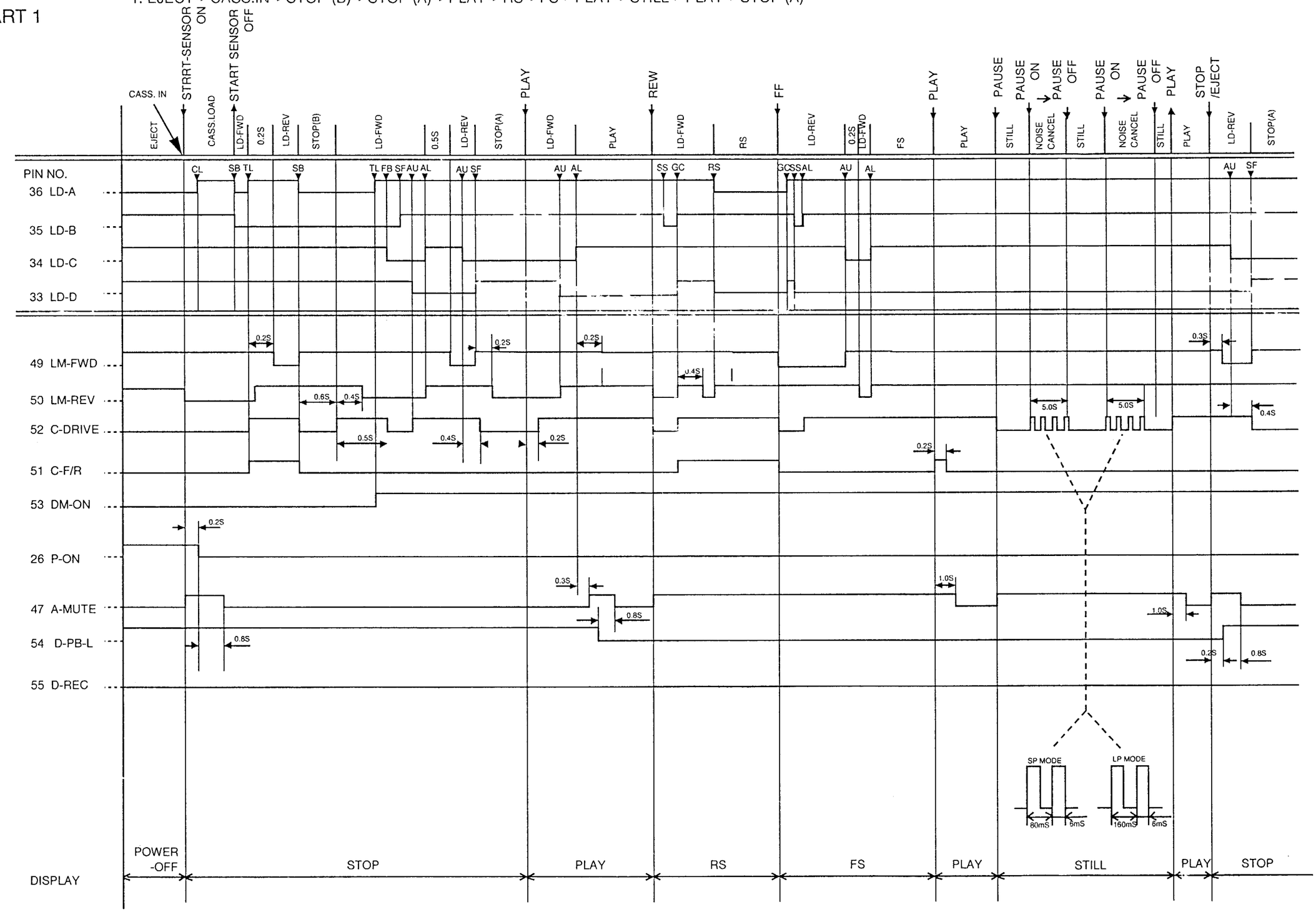
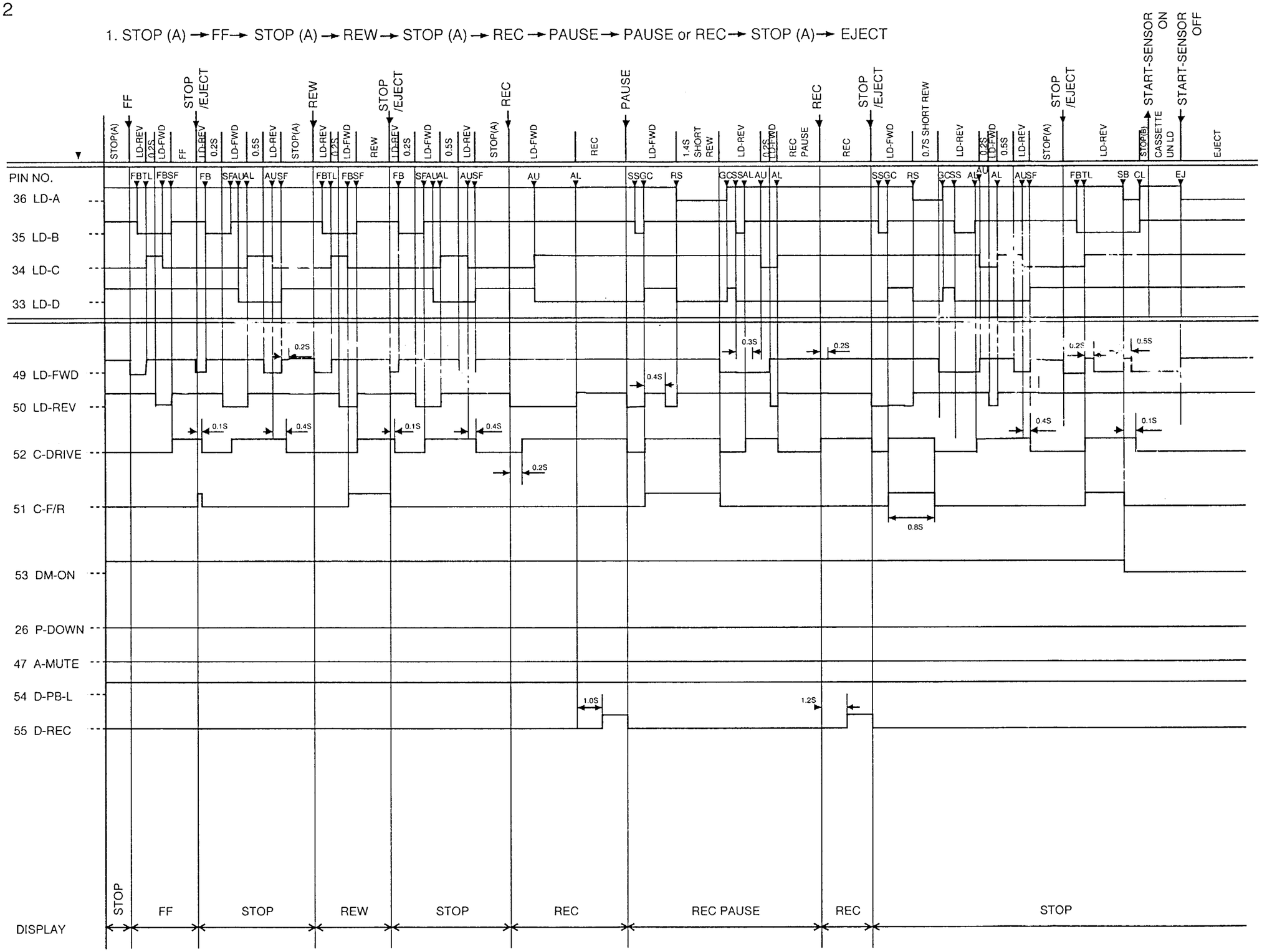


CHART 2

1. STOP (A) → FF → STOP (A) → REW → STOP (A) → REC → PAUSE → PAUSE or REC → STOP (A) → EJECT



IC PIN FUNCTIONS

LC89972M

Pin. No.	In / Out	Signal Name	Function
1		VSS	Ground
2	I	C-IN1	Chroma Signal Input 1
3		VDD	Power
4	I	C-IN2	Chroma Signal Input 2
5			Not Used
6			Not Used
7	I	Y-IN	Luminance Signal Input
8	O	VSS	Ground
9	O		Luminance Signal Output
10	O	VSS	Ground
11	O	COMP	Duty Compasation Output
12	O	CLK	Clock Input
13	O	VSS	Ground
14	O	VCO IN	VCO Input
15	O	PC-OUT	Phase Comparator Output
16	O	VDD	Power
17	-	VSS	Ground
18	I	VDD	Power
19	-	RD	
20	O	VCO-OUT	Clock Out
21	I		Not Used
22	I	CONT	Control
23	I	C-OUT	Chroma Signal Out
24	I	VSS	Ground

U3661M

Pin. No.	In / Out	Signal Name	Function
1		VDD2	Supplu Voltages for Digital Part
2			Not Used
3		GND2	Ground for Digital Part
4			Not Used
5		SCC	Sandcastle Pulse Input
6			Not Used
7			Not Used
8			Not Used
9		VDD1	Supplu Voltages for Analog Part
10		GND1	Ground for Analog Part
11		Vo(R-Y)	(R-Y) Output Signal
12		Vo(B-Y)	(B-Y) Output Signal
13			Not Used
14		Vi(B-Y)	(B-Y) Input Signal
15			Not Used
16		Vi(R-Y)	(R-Y) Input Signal

LA7286

Pin. No.	In / Out	Signal Name	Function
1		BIAS	Bias Control Output
2		H.SW	Head Switch
3		GND	Ground
4		EQ AMP	EQ AMP Input
5		EQ SW	EQ Switch 1
6		EQ AMP	EQ AMP NFB
7		GND	Ground
8		EQ AMP	EQ AMP Output
9		LINE AMP	LINE AMP PB Input
10		LINE AMP	LINE AMP LINE Input
11		ALC	ALC FILTER
12		ALC	ALC DETECTION Input
13		LINE AMP	LINE AMP Input
14		REC AMP	REC AMP Input
15		REC AMP	REC AMP Output
16		EQ SW	EQ SWITCH 2
17		BIAS	BIAS CONTROL INPUT
18		FIL	FILTER
19		VCC	
20		R.F	RIPPLE FILTER
21		SPEED	EP/LP/SP Control
22			MUTE
23		CONTROL	EE/PB Control
24		CONTROL	REC/EE Control

LC7480

Pin. No.	In / Out	Signal Name	Function
1		REC K	REC Killer Out
2		DE-EMP	MAIN DE-EMPHA 1
3		DE-EMP	MAIN DE-EMPHA 2

Pin. No.	In / Out	Signal Name	Function
4		CLAMP	CLAMP Input
5		EMPHA	EMPHA Out
6		EMP F	MAIN EMPHA Filter
7		EMP F	NONLINEAR EMPHA Filter
8		N. C	Noise Canceller Filter
9		VCA	VCA Filter
10		VCA	VCA Input
11		GND	
12		CCD	CCD Drive
13		P. CNT	Picture Control
14		ACC F	ACC Filter
15		CHROMA	LOW-Chroma Input
16		ACC	ACC Filter
17		R. APC	REC APC Filter
18		XO IN	XO Input
19		XO OUT	XO Output
20		F. C	Filter Change
21		SC	2 f SC Output
22		SC	2 f SC Input
23		SLD	SLD Filter
24		AFC	AFC/APC Filter
25		COMB	COMB Drive
26		KILLER	KILLER Filter
27		PB AMP	PB AMP Input
28		VCC2	
29		MIX	Y/C MIX Input
30		REG	4.2V Regulator
31		PBC	PBC Out
32		SYNC	SYNC Out
33		QH	QH, QV Insert
34		VIDEO	VIDEO Output
35		VCC1	
36		BGP	BGP Output
37		VIDEO	VIDEO Input
38		AGC	AGC Filter 2
39		AGC	AGC Adj
40		FM	FM Output
41		P IN	Rotation Pulse Input
42		MOD	Moduration Input

M52340SP

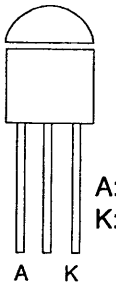
Pin. No.	In / Out	Signal Name	Function
1			AFT Output
2			LIMITER Input
3			RF AGC utput
4			IF AGC Filter
5			VIF Ground
6		VIF IN	VIF Input
7		VIF IN	VIF Input
8		VIF Ccc	VIF Vcc
9		H Vcc	H Vcc
10		ILL Vcc	ILL
11		SCL	SCL
12		SCP OUT	SCP OUT
13		H OUT	H OUT
14		H OSC	H OSC
15		SDA	SDA
16		AFC	AFC 1 Filter
17		GND	Ground
18		V P O	V Pulse Output
19		AFC	AFC 2 Filter
20		HI Vcc	
21		R OUT	RED OUT
22		G OUT	GREEN OUT
23		B OUT	BLUE OUT
24		VCD Vcc	VCD
25		B IN	BLUE IN
26		CONT	Contrast Control
27		G IN	GREEN IN
28			Coincidence
29		R IN	RED IN
30		AC IDENT	
31		FAST BLK	FAS BLK
32		X-TAL	Crystal 3.58MHz
33		BYP	Audio Bypass
34		K F	Killer Filter
35		APC	Chroma APC Filter
36		TV	TV In
37		VCD	VCD Ground
38		V SW	V SW Out
39		X	Crystal 4.43MHz
40		SYNC	SYNC Separation Input
41		B-Y	B-Y Output
42			Secam Reference

Pin. No.	In / Out	Signal Name	Function
43			R-Y Output
44			B-Y Input
45			R-Y Input
46			Audio Output
47		ATT Vcc	
48			FM Direc Output
49		VCO	
50		VCO	
51			Video APC Filter
52			Viodeo Output

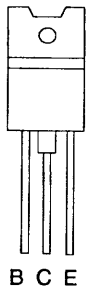
Pin. No.	In / Out	Signal Name	Function
1		IDENT	Reference Input
2		BELL	Bell Filter Output
3		Vcc	Power Supply
4		BAND	Reference Voltage Output
5		KILLER	SECAM Killer Output
6		GND	Ground
7		BELL ref	Bell filter Auto Adj
8		PLL ref	PLL Auto Adj
9		R-Y OUT	R-Y Output
10		B-Y OUT	B-Y Output
11		BLACK ADJ A	Black Level Reference Voltage
12		PLL auto 2	PLL Auto Adj
13		PLL auto 1	PLL Auto Adj
14		BLACK ADJ B	Black Level Reference Voltage
15		SAND IN	Pulse Input
16		CVBS IN	SECAM Color Input

LEAD IDENTIFICATIONS

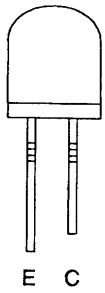
L5630
L5631



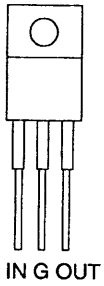
2SD1878



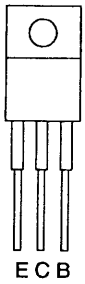
PT380F

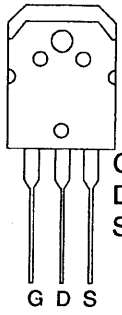


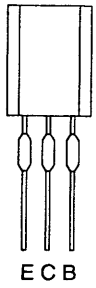
KIA7805
KIA7806



2SB1274



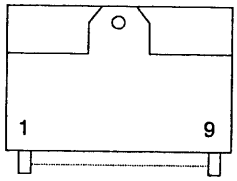




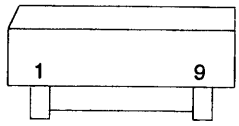
2SC2271
2SC3400
2SC2482
2SC3000
KTA1267
KTC3199
KRA103M
2SA608
KRC103M
KTC3198
KTA1266
2SA1346
2SC2839
2SA1318
2SA1015
2SC536
KTC3193

PC120FY

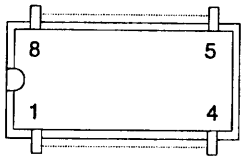
LA7837



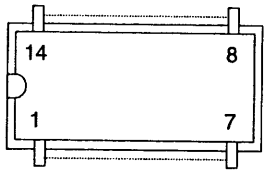
TA7291



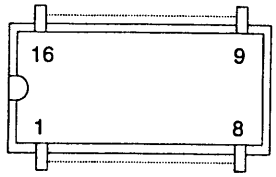
24LC02B/P



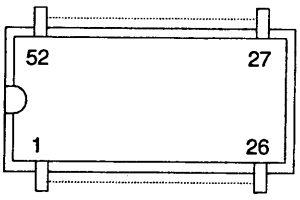
KA339
KA324



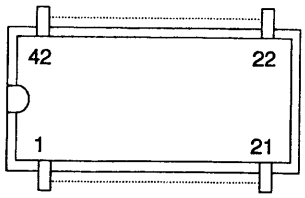
TC4053BP



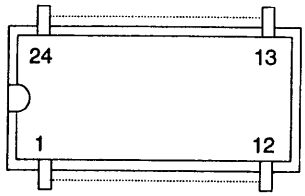
M52340SP



LA7480



LA7286



DECK MECHANISM SECTION

14" COLOR TV/VCR COMBINATION
20" COLOR TV/VCR COMBINATION

MV3410T
MV4810T

Sec. 2: Deck Mechanism Section

- **Standard Maintenance**
- **Alignment for Mechanism**
- **Disassembly/Assembly of Mechanism**

TABLE OF CONTENTS

STANDARD MAINTENANCE

Service Schedule of Components

H: Hours O: Check ●: Change

Deck		Periodic Service Schedule			
Ref. No.	Part Name	1,000 H	2,000 H	3,000 H	4,000 H
B2	Cylinder Assembly	O	●	O	●
B3	Loading Motor			●	
B6	Pinch Roller Arm Assembly		●		●
B8	Pulley Assembly		●		●
B21	Loading Belt		●		●
B27	Band Brake Assembly		●		●
B28	Main Brake S Assembly		●		●
B29	Main Brake T Assembly		●		●
B30	T Brake Arm Assembly		●		●
B31	ACE Head Assembly		●		●
B32, B339	Reel Assembly			●	
B37	Capstan Motor			●	
B52	Capstan Belt		●		●
B54	Ground Brush Assembly		●		●
B73	FE Head			●	
B132	Clutch Assembly				
B133	Arm Idler Assembly		●		●
			●		●

Note:

1. Clean all parts for the tape transport (Upper Drum with Video Head / Pinch Roller / Audio Control Head / Full Erase Head) using 90% Isopropyl Alcohol.
2. After cleaning the parts, do all DECK ADJUSTMENTS.
3. For the reference numbers listed above, refer to Deck Exploded Views.

Cleaning

Cleaning of Video Head

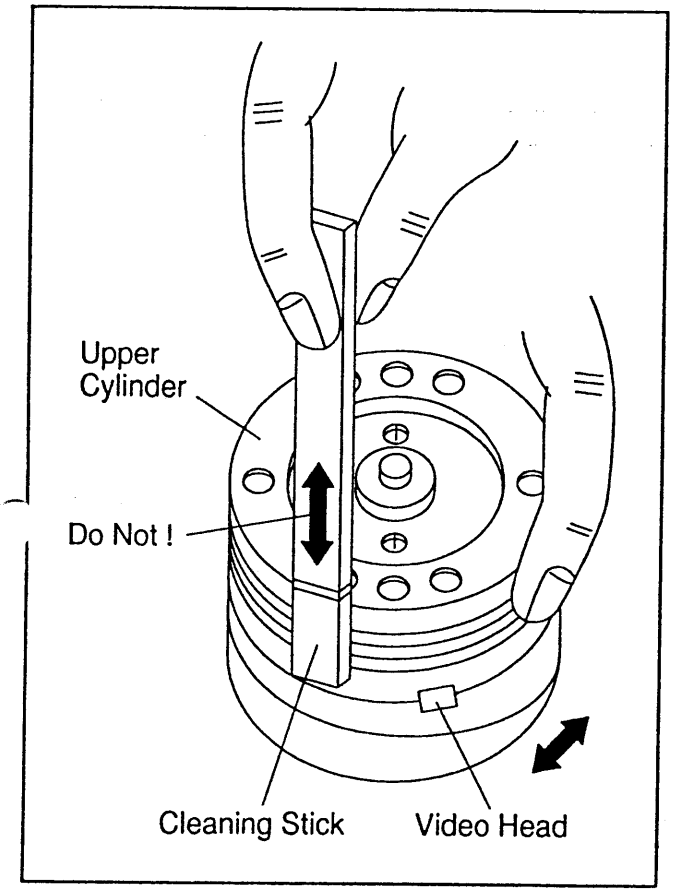
Clean the head with a head cleaning stick or chamois skin.

Procedure

1. Remove the top cabinet.
2. Put on a glove (thin type) to avoid touching the upper and lower drum with your bare hand.
3. Put a few drops of 90% Isopropyl alcohol on the head cleaning stick or on the chamois skin and, by slightly pressing it against the head tip, turn the upper drum to the right and to the left.

Notes:

1. The video head surface is made of very hard material, but since it is very thin, avoid cleaning it vertically.
2. Wait for the cleaned part to dry thoroughly before operating the unit.
3. Do not reuse a stained head cleaning stick or a stained chamois skin.



Cleaning of Audio Control Head

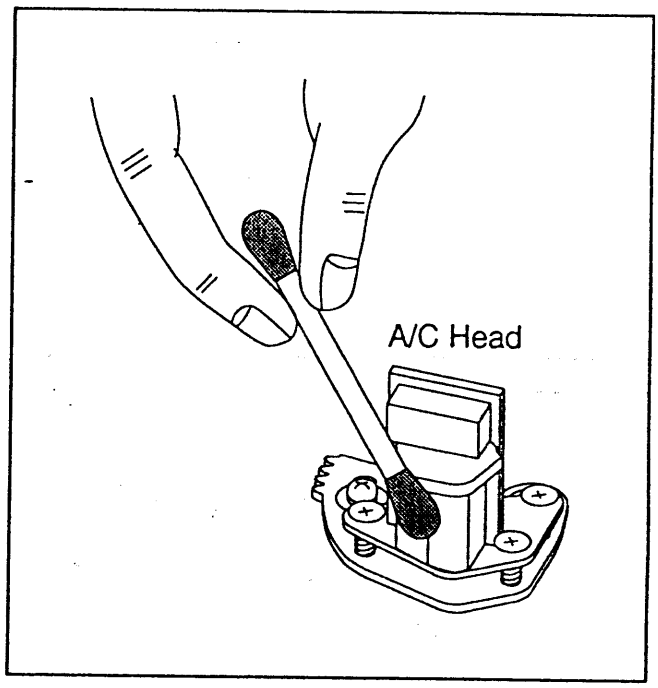
Clean the head with a cotton swab.

Procedure

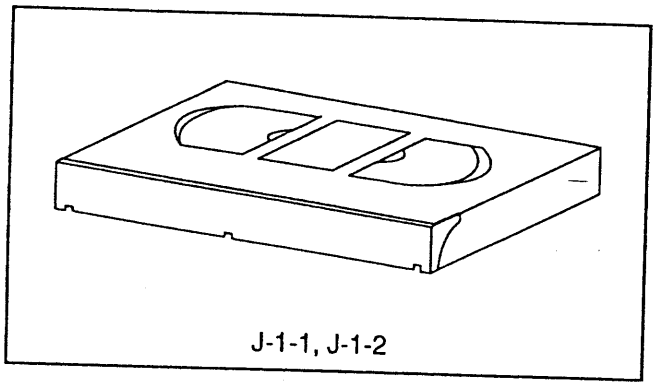
1. Remove the top cabinet.
2. Dip the cotton swab in 90% isopropyl alcohol and clean the audio control head. Be careful not to damage the upper drum and other tape running parts.

Notes:

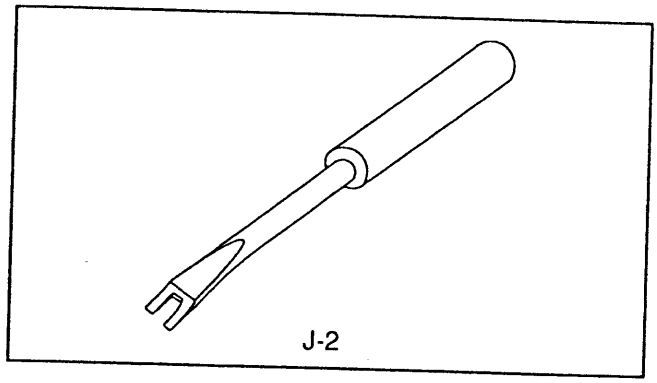
1. Avoid cleaning the audio control head vertically.
2. Wait for the cleaned part to dry thoroughly before operating the unit or damage may occur.



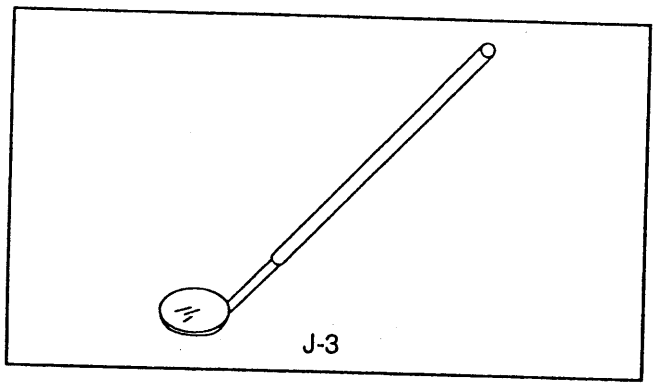
SERVICE FIXTURE AND TOOLS



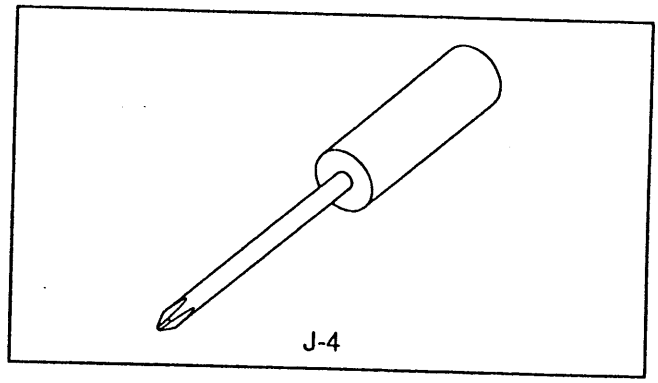
J-1-1, J-1-2



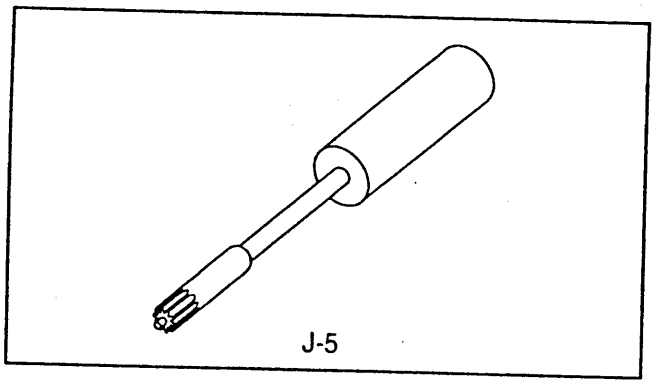
J-2



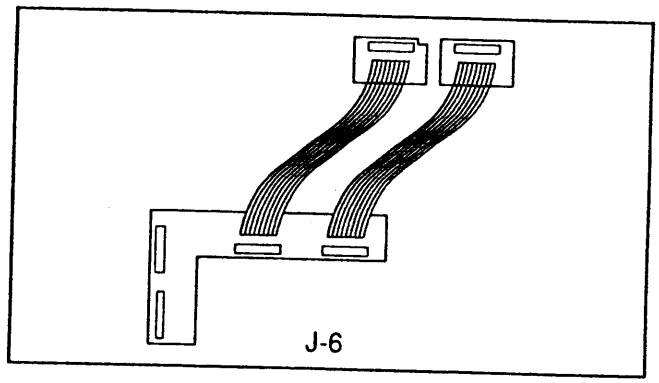
J-3



J-4



J-5



J-6

Ref. No.	Name	Part No.	Adjustment
J-1-1	Alignment Tape	F6-A	Head Adjustment of Audio Control Head
J-1-2	Alignment Tape	F6-N	Azimuth and X Value Adjustment of Audio Control Head / Adjustment of Envelope Waveform
J-2	Guide Roller Adj.Screwdriver	FSJ-0006	Guide Roller
J-3	Mirror	FSJ-0004	Tape Transportation Check
J-4	Azimuth Adj.Screwdriver	Available Locally	A/C Head Height
J-5	X Value Adj.Screwdriver	FSJ-0007	X Value
J-6	Deck Extention Cable	N1091XA	All Mechanical and Electrical Adjustments

Note:
Before starting any adjustment, take the Deck Assembly out of the cabinet and use J-6 to connect the Deck Assembly with the Main CBA.

MECHANICAL ALIGNMENT PROCEDURES

Explanation of alignment for the tape to correctly run starts on the next page. Refer to the information below on this page if a tape gets stuck, for example, in the mechanism due to some electrical trouble of the unit.

Service Information

A. Method for Manual Tape Loading/Unloading

To load a cassette tape manually:

1. Disconnect the AC plug.
2. Remove the Rear Cabinet.
3. Insert a cassette tape. Though the tape will not be automatically loaded, make sure that the cassette tape is all the way in at the inlet of the Cassette Holder. To confirm this, lightly push the cassette tape further in and see if the tape comes back out, by a spring motion, just as much as you have pushed in.
4. Turn the Pulley Assembly in the appropriate direction shown in Fig. M1 until the cassette tape is fully loaded. By turning the Pulley Assembly, you are turning the cam indicated in this figure. However, movement of the cam will be very slow. Allow a minute or two to complete this task.

To unload a cassette tape manually:

1. Disconnect the AC plug.
2. Remove the Rear Cabinet.
3. Turn the Pulley Assembly in the appropriate direction shown in Fig. M1 to unload the cassette tape. When turning the Pulley Assembly, please be aware that this is a long process and the cassette will not start getting unloaded instantaneously. Within this long process, before the cassette actually starts getting unloaded, there is a time period during which the moving guide assemblies slide back to their original positions shown in Fig. M1. However, the tape will be left wound around the cylinder. To put the tape back into the cassette, gently turn the Capstan Motor in the direction shown in Fig. M2. Make sure that the tape is completely placed back in the cassette before the cassette starts getting unloaded. Otherwise the tape hanging out will be caught and damaged by the lid of the cassette when it closes.
   By turning the Pulley Assembly, you are turning the cam indicated in Fig. M1. As stated, movement of the cam will be very slow. Allow a minute or two to complete this task.

B. Method to place the Cassette Holder in the tape-loaded position without a cassette tape

1. Disconnect the AC Plug.
2. Remove the Rear Cabinet.
3. Turn the Pulley Assembly in the appropriate direction shown in Fig. M1 until the Cassette Holder comes to the tape-loaded position. Allow a minute or two to complete this task.

Top View

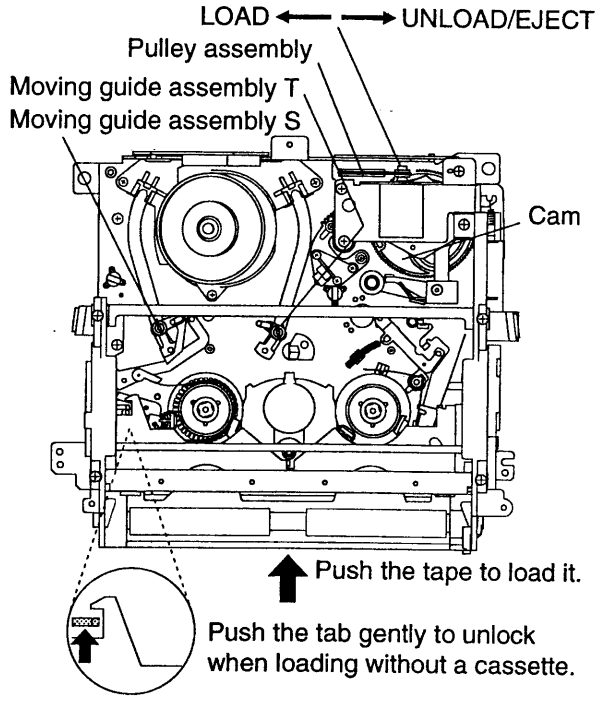


Fig. M1

Bottom View

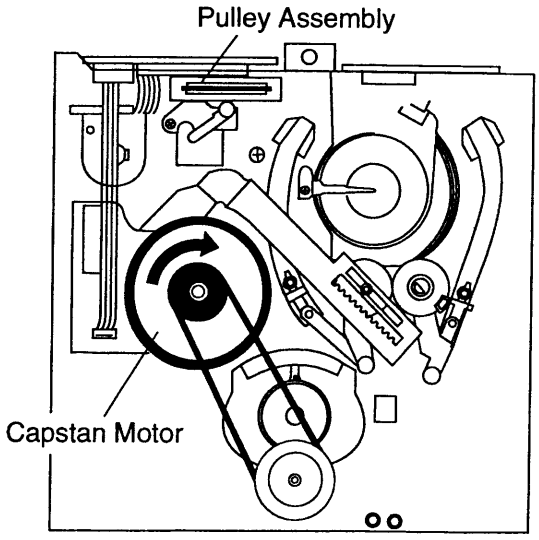


Fig. M2

1. Tape Interchangeability Alignment

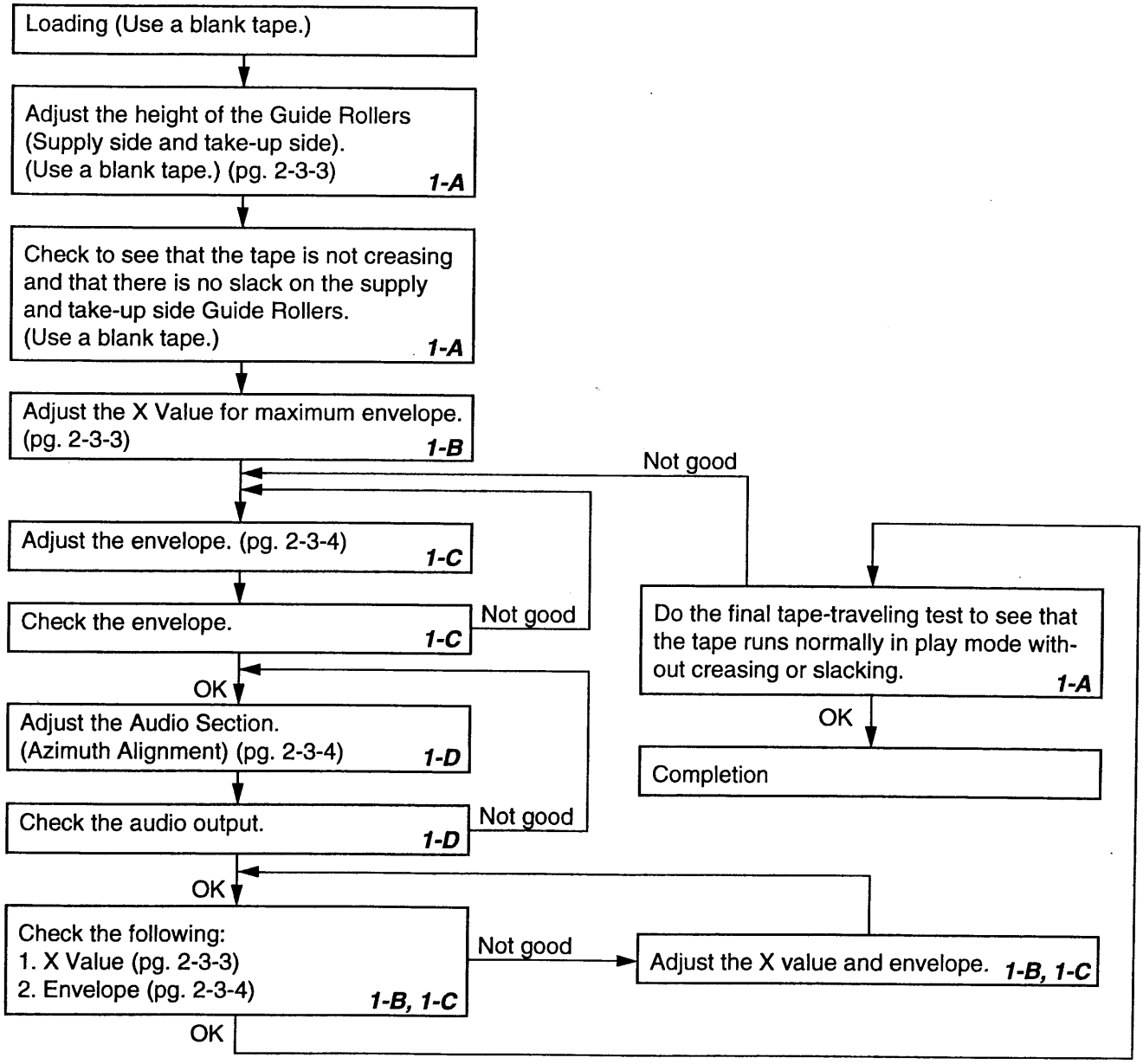
Note: To do these alignment procedures, make sure that the Tracking Control Circuit is set to the center position every time a tape is loaded or unloaded. (Refer to page 2-3-4, procedure 1-C, step 1.)

Equipment required:

Dual Trace Oscilloscope
VHS Alignment Tape (FL8N)
Guide Roller Adj. Screwdriver
X-Value Adj. Screwdriver

Note: Before starting this Mechanical Alignment, do all Electrical Adjustment procedures.

Flowchart of Alignment for tape traveling



1-A. Preliminary/Final Checking and Alignment of Tape Path

Purpose:

To make sure that the tape path is well stabilized.

Symptom of Misalignment:

If the tape runs unstable, the tape will be damaged.

Note: Do not use an Alignment Tape for this procedure. If the unit is not correctly aligned, the tape may be damaged.

1. Play back a blank cassette tape and check to see that the tape runs without creasing at Guide Rollers [2] and [3], and at points A and B on the lead surface. (Refer to Fig M3 and M4.)
2. If creasing is apparent, align the height of the guide rollers by turning the top of Guide Rollers [2] and [3] with a Guide Roller Adj. Screwdriver. (Refer to Fig. M3 and M5.)
   Note: Beneath each Guide Roller, there is a small screw. (Refer to Fig. M5.) This screw works to apply adequate torque to the shaft of each Guide Roller so that the Guide Roller turns properly. Even when adjusting the height of the Guide Roller(s), do not touch these two small screws.
3. Check to see that the tape runs without creasing at Take-up Guide Post [4] or without snaking between Guide Roller [3] and ACE Head. (Fig. M3 and M5)
4. If creasing or snaking is apparent, adjust the Tilt Adj. Screw of the ACE Head. (Fig. M6)

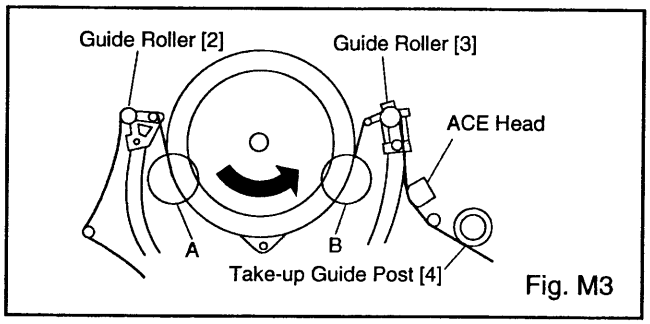


Fig. M3

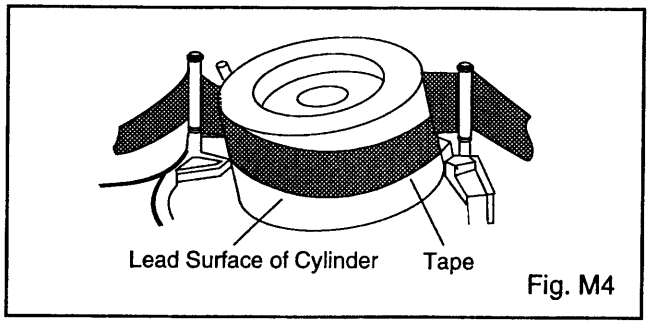


Fig. M4

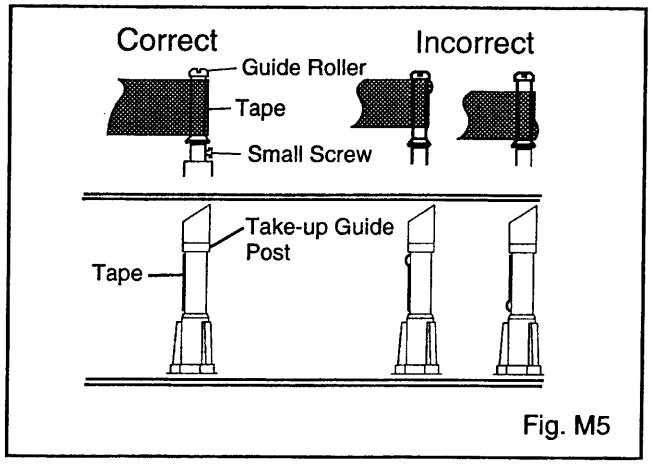


Fig. M5

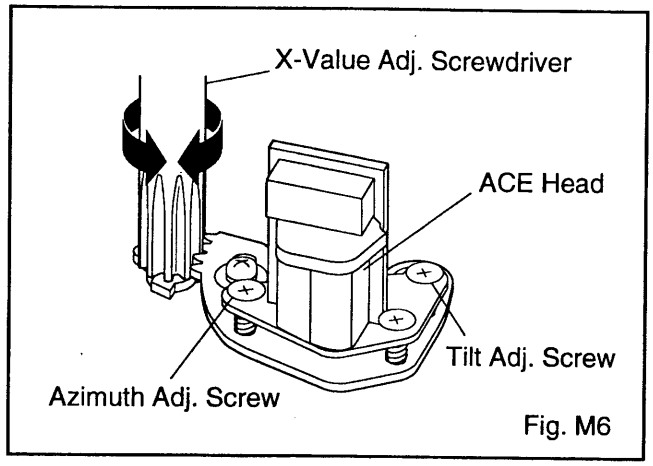


Fig. M6

1-B. X Value Alignment

Purpose:

To align the Horizontal Position of the Audio/Control/Erase Head.

Symptom of Misalignment:

If the Horizontal Position of the Audio/Control/Erase Head is not properly aligned, maximum envelope cannot be obtained at the Neutral position of the Tracking Control Circuit.

1. Set the Tracking Control Circuit to the center position by pressing CH UP and DOWN buttons on VCR simultaneously. (Refer to note on page 2-3-4.)
2. Connect the oscilloscope to TP (C-PB) and TP (CTL) on the Main CBA. Use TP (RF-SW) as a trigger.
3. Play back the Gray Scale of the Alignment Tape (FL8N) and confirm that the PB FM signal is present.
4. Use the X-Value Adj. Screwdriver so that the PB FM signal at TP (C-PB) or TP of AUDIO OUT is maximum. (Fig.M6)
5. Press CH UP button on VCR until CTL waveform is shifted by approx. +2msec. Make sure that the envelope is simply attenuated (shrinks in height) during this process so that you will know the envelope has been at its peak.
6. Press CH DOWN button on VCR until CTL waveform is shifted from its original position (not the po-

sition achieved in step 5 just above, but the position of CTL waveform until step 4) by approximately -2msec. Make sure that the envelope is simply attenuated (shrinks in height) once CTL waveform passes its original position and is further brought in the minus direction.

7. Set the Tracking Control Circuit to the center position by pressing CH UP and DOWN buttons on VCR simultaneously.

1-C. Checking/Adjustment of Envelope Waveform

Purpose:

To achieve a satisfactory picture and precise tracking.

Symptom of Misalignment:

If the envelope output is poor, noise will appear in the picture. The tracking will then lose precision and the playback picture will be distorted by any slight variation of the Tracking Control Circuit.

1. Set the Tracking Control Circuit to the center position by pressing both CH UP and DOWN buttons on VCR simultaneously.
2. Connect the oscilloscope to TP (C-PB) on the Main CBA. Use TP (RF-SW) as a trigger.
3. Play back the Gray Scale on the Alignment Tape (FL8N). Adjust the height of Guide Rollers [2] and [3] (Fig.M3) watching the oscilloscope display so that the envelope becomes as flat as possibile. To do this adjustment, turn the top of the Guide Roller with the Guide Roller Adj. Screwdriver.
4. If the envelope is as shown in Fig. M7, adjust the height of Guide Roller [2] (Refer to Fig.M3) so that the waveform looks like the one shown in Fig. M9.
5. If the envelope is as shown in Fig. M8, adjust the height of Guide Roller [3] (Refer to Fig.M3) so that the waveform looks like the one shown in Fig. M9.
6. When Guide Rollers [2] and [3] (Refer to Fig.M3) are aligned properly, there is no envelope drop either at the beginning or end of track as shown in Fig. M9.

Note: Upon completion of the adjustment of Guide Rollers [2] and [3] (Refer to Fig. M3), check the X Value by pushing the Tracking Control Up or Down buttons alternately, to check the symmetry of the envelope. Check the number of pushes to ensure center position. The number of pushes UP to achieve 1/2 level of envelope should match the number of pushes DOWN from center. If required, redo the "X Value Alignment."

1-D. Azimuth Alignment of Audio/Control/ Erase Head

Purpose:

To correct the Azimuth alignment so that the Audio/Control/Erase Head meets tape tracks properly.

Symptom of Misalignment:

If the position of the Audio/Control/Erase Head is not properly aligned, the Audio S/N Ratio or Frequency Response will be poor.

1. Connect the oscilloscope to the audio output jack on the rear side of the deck.
2. Play back the alignment tape (FL8N) and confirm that the audio signal output level is 8 kHz.
3. Adjust Azimuth Adj. Screw so that the output level on the AC Voltmeter or the waveform of the oscilloscope is at maximum. (Fig. M6)

Dropping envelope level at the beginning of track.

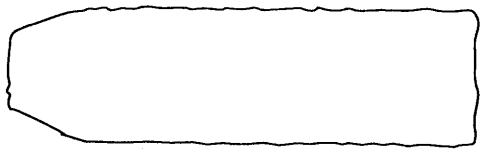


Fig. M7

Dropping envelope level at the end of track.

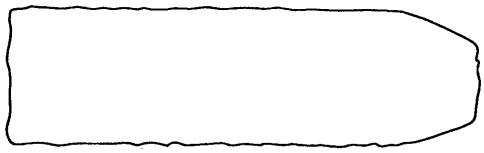


Fig. M8

Envelope is adjusted properly. (No envelope drop)

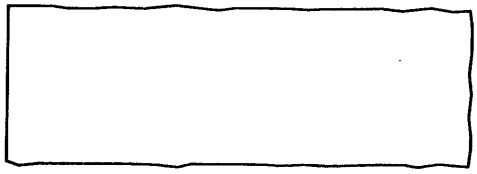


Fig. M9

DISASSEMBLY/ASSEMBLY PROCEDURES OF DECK MECHANISM

Main Mechanism

Before following the procedures described below, be sure to:

1. Remove the deck assembly from the cabinet.
   (Refer to DISASSEMBLY INSTRUCTIONS in Main Section.)
2. Remove Front Loading Assembly from the main mechanism of the deck assembly. (See Fig. DM1.)

All the following procedures, including those for adjustment and replacement of parts, should be done in Eject mode; see the positions of [33] and [34] in Fig. DM3 on page 2-4-4. When reassembling, follow the steps in reverse order.

STEP /LOC. No.	START-ING No.	PART		REMOVAL		INSTALLATION
				Fig. No.	REMOVE/*UNHOOK/ UNLOCK/RELEASE/ UNPLUG/DESOLDER	ADJUSTMENT CONDITION
[1]	[1]	Shield Plate	T	DM1	2(S-3)	
[2]	[1]	Motor Holder Assembly	T	DM3 DM5 DM6	3(S-4), Loading Belt	(+) Refer to Alignment Sec. Pg. 2-4-12.
[3]	[1]	Loading Motor Assembly	T	DM2 DM3 DM5	2(S-5), CL2693	
[4]	[1]	Cassette Drive Lever Assembly	T	DM3 DM5		(+) Refer to Alignment Sec. Pg. 2-4-12.
[5]	[1]	Pinch Roller Arm Assembly	T	DM3 DM5	(C-1) Pinch Roller Spring	Refer to Alignment Sec. Pg. 2-4-12.
[6]	[1]	Pinch Arm Assembly	T	DM3 DM5		Refer to Alignment Sec. Pg. 2-4-12.
[7]	[7]	Mode SW CBA	B	DM4 DM8	Stopper Boss, *(L-1)	
[8]	[8]	Joint CBA	T/B	DM2 DM3 DM4 DM7 DM8	(S-6), CN2692, CL2693, *CL2691, CL2692	
[9]	[1]	Cam	T	DM3 DM5		(+) Refer to Alignment Sec. Pg. 2-4-12.
[10]	[1]	Pulley Assembly	T	DM3 DM6	(W-1), Loading Belt	(+)
[11]	[11]	Head Amp CBA	T/B	DM2 DM3 DM4 DM8	(S-7), (S-8), CN3802, CL3801, CL3802	
[12]	[12]	Arm Idler Assembly	T	DM3 DM9	Clutch Shaft Cap, Clutch Bushing	(+)
[13]	[13]	Clutch Assembly	B	DM4 DM9	(C-2), (W-2) Capstan Belt	(+)
[14]	[13]	Capstan Motor Unit	B	DM4 DM10	3(S-9)	
[15]	[1]	M Lever Holder	T	DM3 DM11	(S-10)	(+) Oil, (+) Grease
[16]	[1]	Kick Arm Holder	B	DM4 DM11	Kick Arm Spring	
[17]	[16]	Kick Arm	B	DM4 DM11	Bushing	(+)
[18]	[18]	Mode Change Lever	T	DM3 DM12	*2(L-2)	(+)
[19]	[1]	Main Lever Assembly	T	DM3 DM12 DM15	*(L-3)	
[20]	[20]	Tape Guide Assembly	T	DM3 DM15	*(P-2), *(L-4)	Keep the distance specified in Fig. DM15.
[21]	[21]	ACE Head Assembly	T	DM3 DM14	2(S-11)	

STEP /LOC. No.	START-ING No.	PART		REMOVAL		INSTALLATION
				Fig. No.	REMOVE/*UNHOOK/ UNLOCK/RELEASE/ UNPLUG/DESOLDER	ADJUSTMENT CONDITION
[22]	[22]	Tension Lever Sub Assembly	T	DM3 DM13 DM22	*(L-5) *(P-6)	Refer to Alignment Sec. Pg. 2-4-14.
[23]	[22]	Band Brake Sub Assembly	T	DM3 DM13	(S-12), *(L-6)	
[24]	[18]	M Brake (S) Lever	T	DM3 DM12 DM16		(+)
[25]	[18]	M Brake (S)	T	DM3 DM16	*(P-3), *(L-7)	(+) When reassem-bling, hook the spring (P-3) after installation of Mode Change Lever.
[26]	[18]	S Brake Arm	T	DM3 DM16	*(P-4), *(L-8)	(+) When reassem-bling, hook the spring (P-4) after installation of Mode Change Lever.
[27]	[18]	M Brake (T) Assembly	T	DM3 DM16		(+)
[28]	[18]	T Brake Arm Assembly	T	DM3 DM16	*(P-5)	(+) When reassem-bling, hook the spring (P-5) after installation of Mode Change Lever.
[29]	[18]	Reel Base Assembly T	T	DM3 DM17	Poly Slider Washer	(+)
[30]	[18]	Reel Base Assembly S	T	DM3 DM17	Poly Slider Washer	(+) Base has slots.
[31]	[31]	Ground Brush Assembly	B	DM4 DM18 DM19	(S-13)	Refer to Alignment Sec. Pg. 2-4-12.
[32]	[11],[31] Only	Cylinder Assembly	T	DM3 DM18	3(S-14)	Refer to Alignment [31] Sec. Pg. 2-4-12.
[33]	[1]	Moving Guide S Assembly	T	DM3 DM20		
[34]	[1]	Moving Guide T Assembly	T	DM3 DM20		
[35]	[1] Only	FE Head	T	DM3 DM20	(S-15)	
[36]	[36]	Main Prism	T	DM3 DM20	(S-16)	
[37]	[1]	Loading Arm M Assembly	B	DM4 DM21	(C-3)	(+) Refer to Alignment Sec. Pg. 2-4-12.
[38]	[1]	Loading Gear A	B	DM4 DM21		(+) Refer to Alignment Sec. Pg. 2-4-12.
[39]	[1]	Loading Gear B	B	DM4 DM21		(+) Refer to Alignment Sec. Pg. 2-4-12.
[40]	[40]	Spring Supporter	B	DM4 DM22	(S-17)	
[41]	[40]	BT Drive Arm	B	DM4 DM12 DM22	(S-18), *(P-6), *(P-7)	
[42]	[42]	Rec Arm Assembly	B	DM4 DM22	(S-19)	
[43]	[42]	Reel Drive Arm	B	DM23	(S-20), (C-4), *(P-8) Drive Arm Roller	
[44]	[42]	Holder Kick Arm	B	DM23	*(P-9)	

① ② ③ ④ ⑤ ⑥ ⑦

①: Follow steps in sequence. When reassembling, follow the steps in reverse order.
These numbers are also used as identification (location) No. of parts in the figures.

②: Indicates the part to start disassembly in order to disassemble the part in column (1).

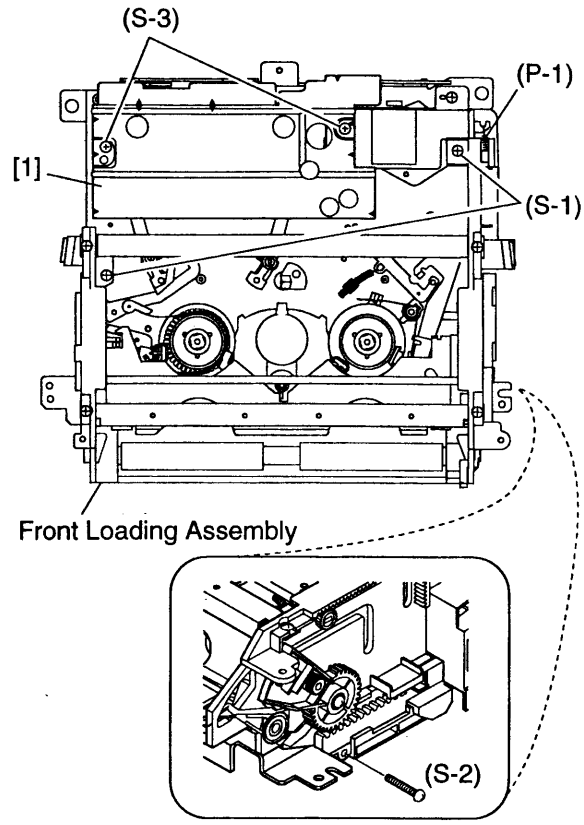
③: Name of the part

④: Location of the part
T=Top B=Bottom R=Right L=Left

⑤: Figure Number

⑥: Identification of parts to be removed, unhooked, unlocked, released, unplugged, unclamped, or desoldered.
P=Spring, W=Washer, C=Cut Washer, S=Screw
L=Locking Tab
*=Unhook, Unlock, Release, Unplug, or Desolder
e.g. 2(C-2) = two Cut Washers (C-2)
2(L-2) = two Locking Tabs (L-2)

⑦: Adjustment Information for Installation
(+): Refer to Deck Exploded Views for lubrication information.



To remove Front Loading Assembly:
1. Remove 3 screws; 2(S-1) and (S-2).
2. Unhook spring (P-1).
3. Lift Assembly up carefully.

Fig. DM1

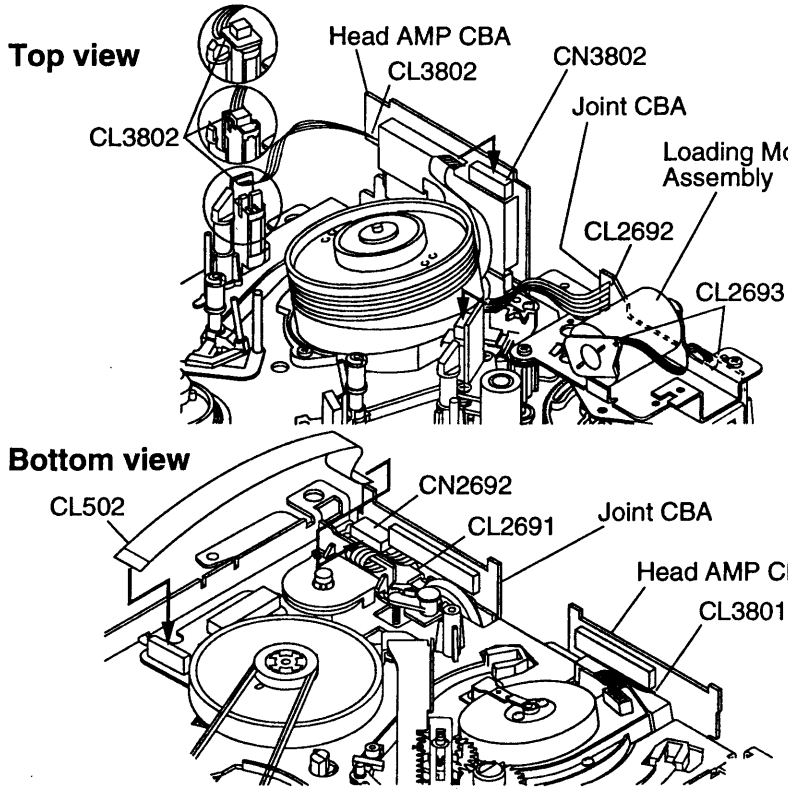


Fig. DM2

Top View

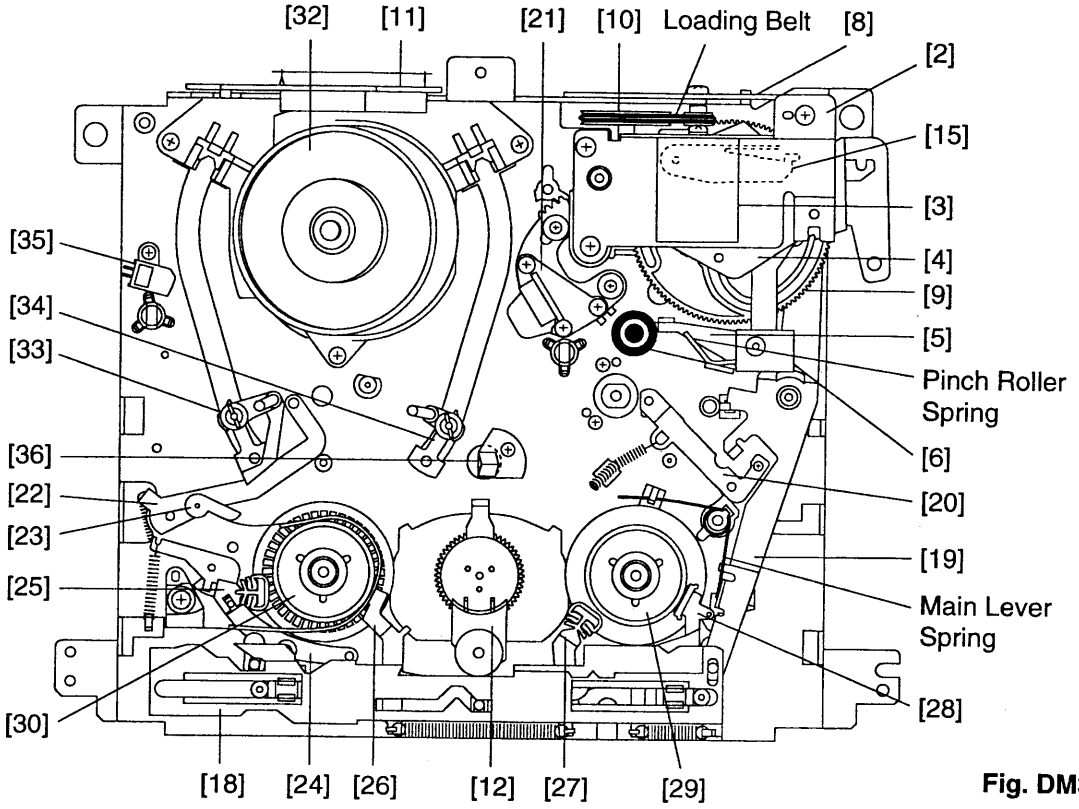


Fig. DM3

Bottom View

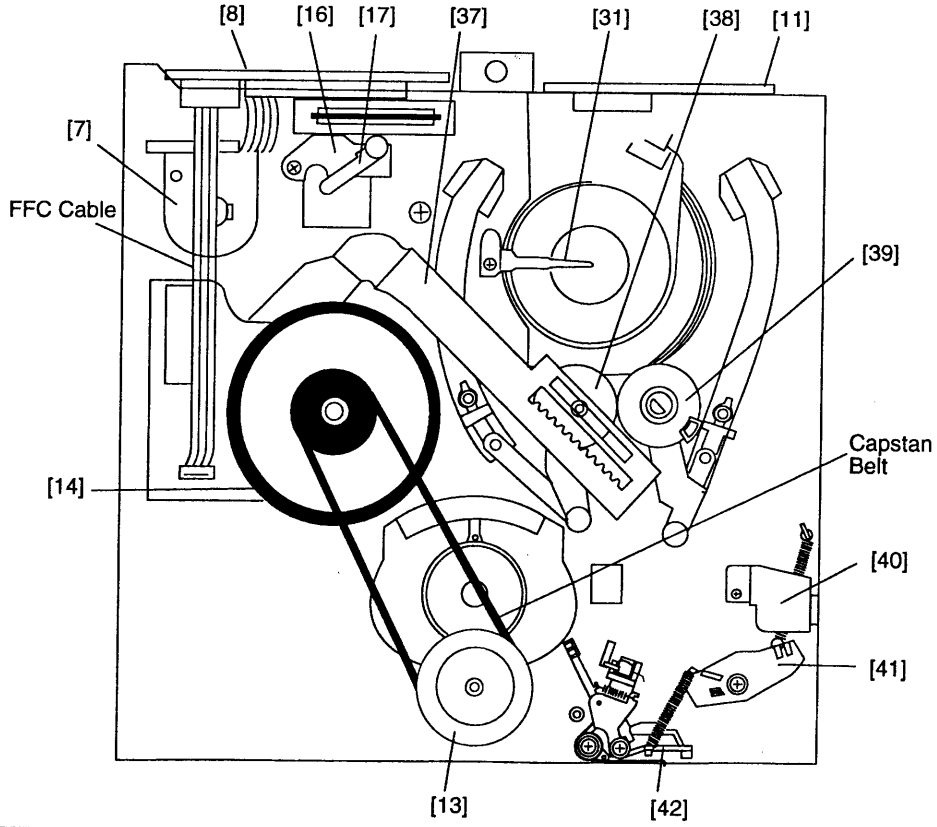


Fig. DM4

When disassembling, unhook Pinch Roller Spring as shown by the arrow. With this spring unhooked, [5] and [6] can be removed from the chassis more easily.

When reassembling [2] through [6] and [9], refer to the Alignment Section, Pg. 2-4-12.

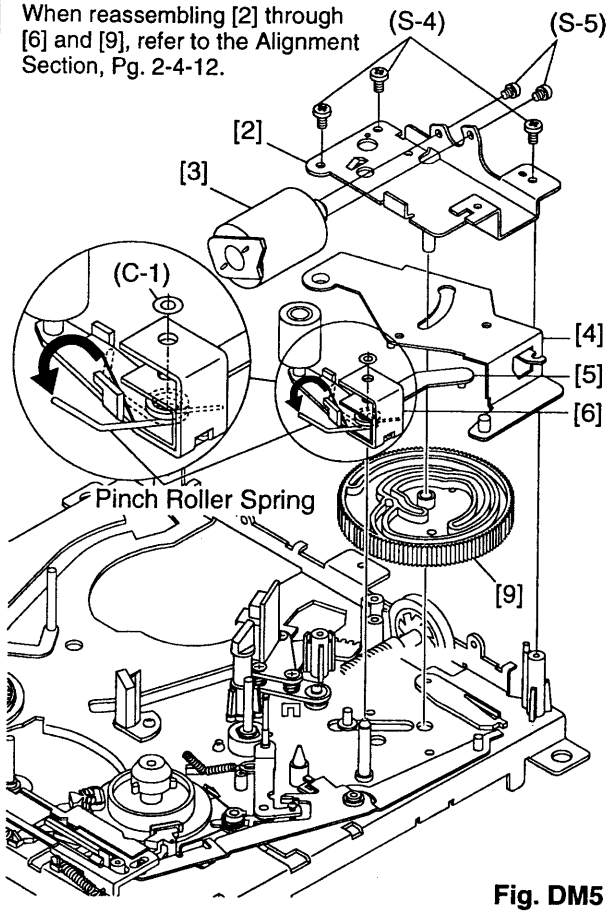


Fig. DM5

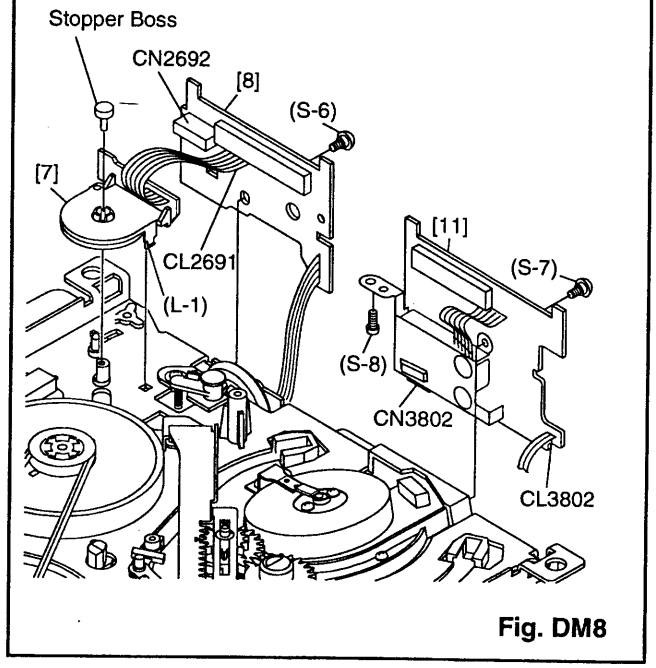


Fig. DM8

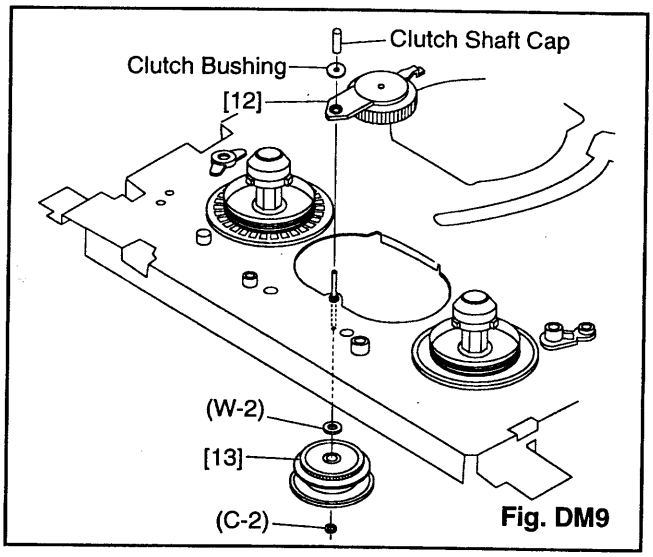
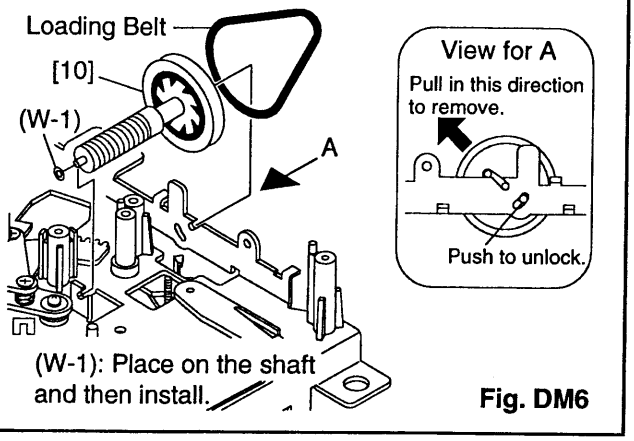


Fig. DM9



(W-1): Place on the shaft and then install.

Fig. DM6

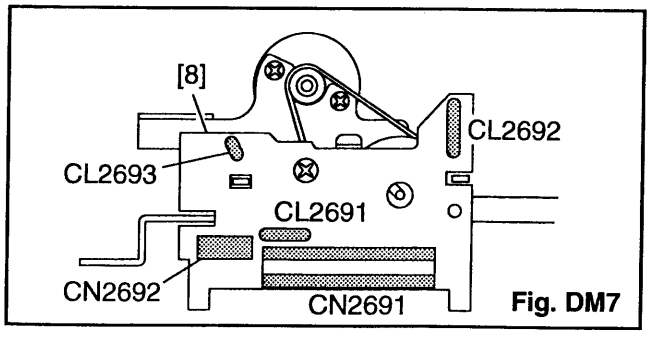


Fig. DM7

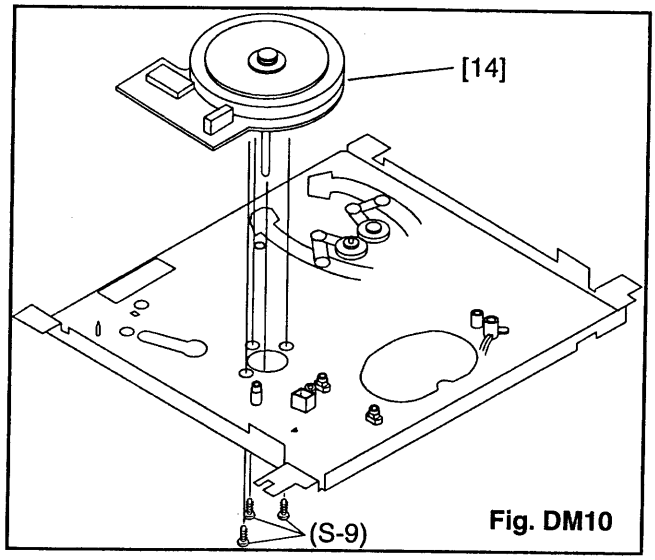


Fig. DM10

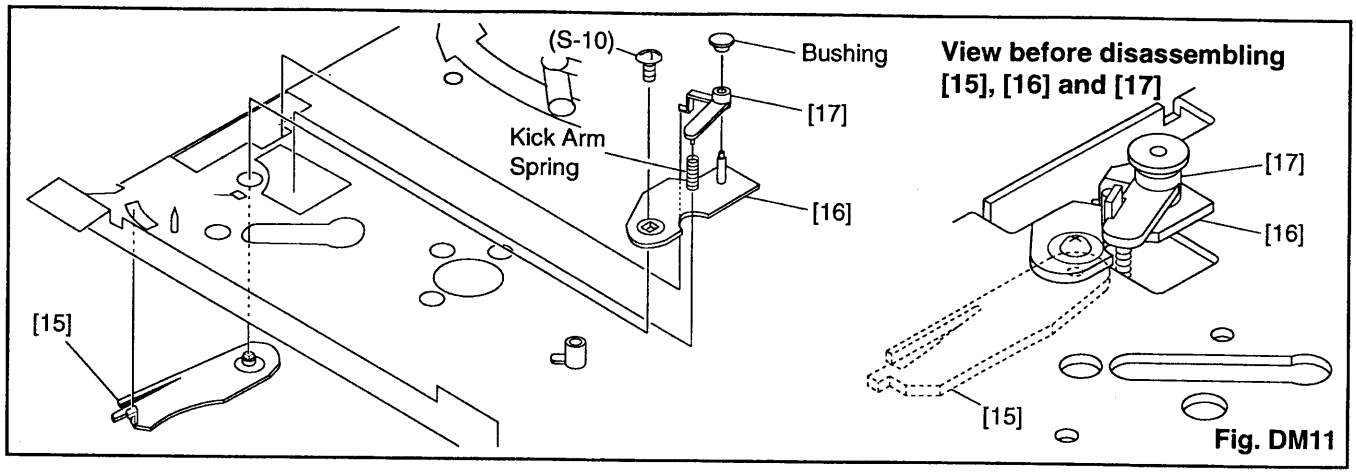


Fig. DM11

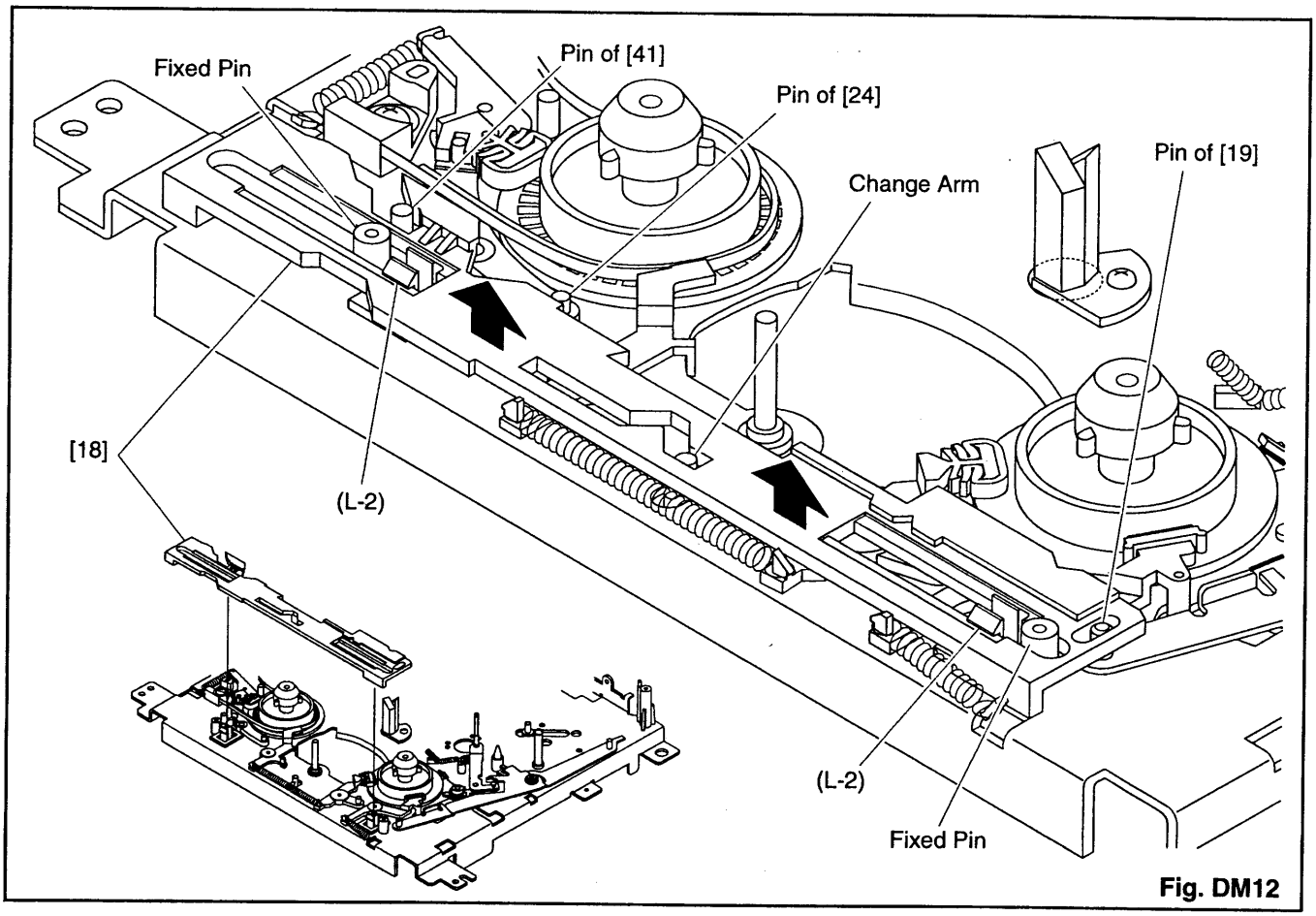


Fig. DM12

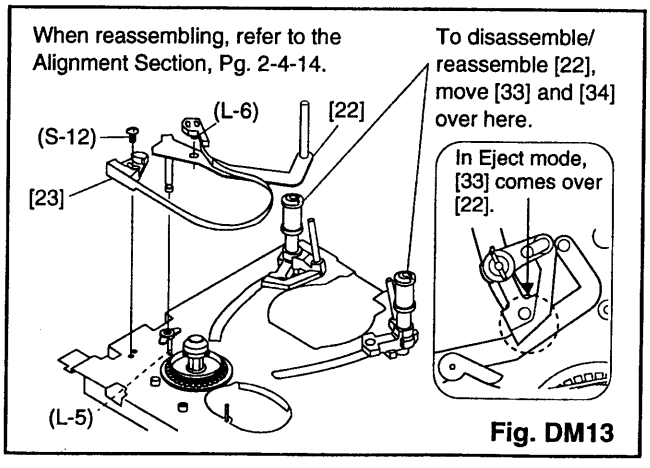


Fig. DM13

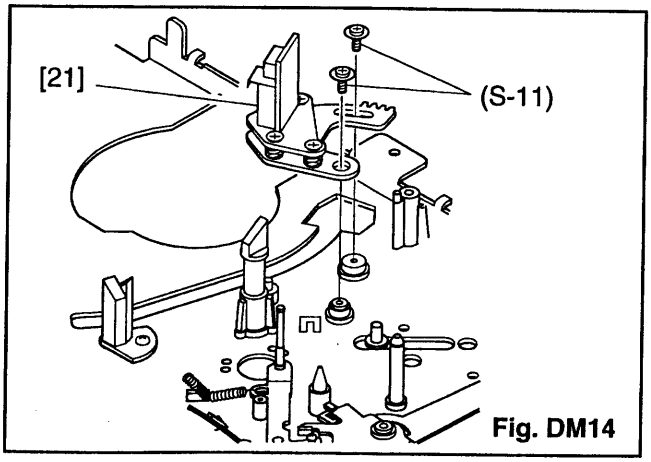


Fig. DM14

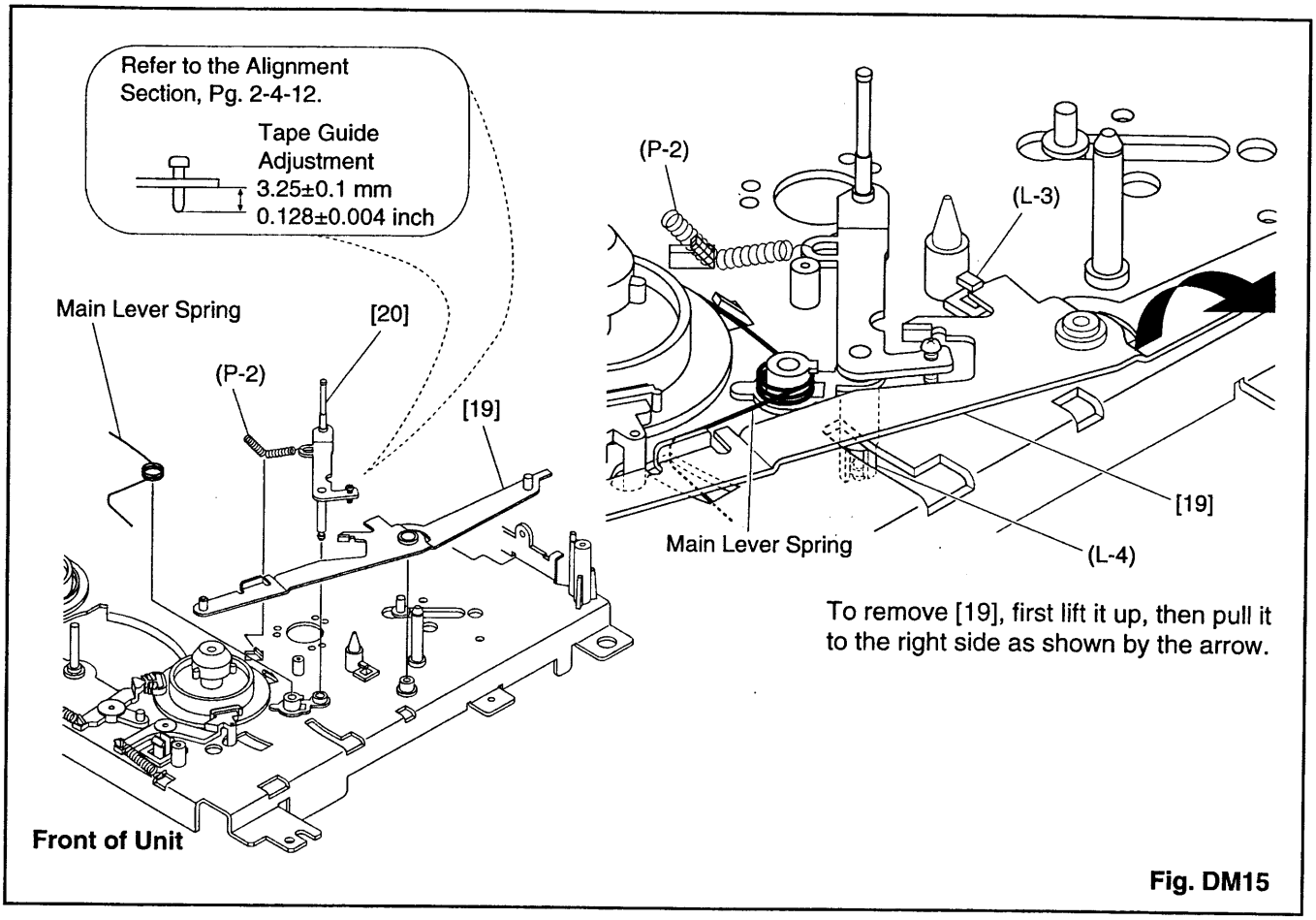


Fig. DM15

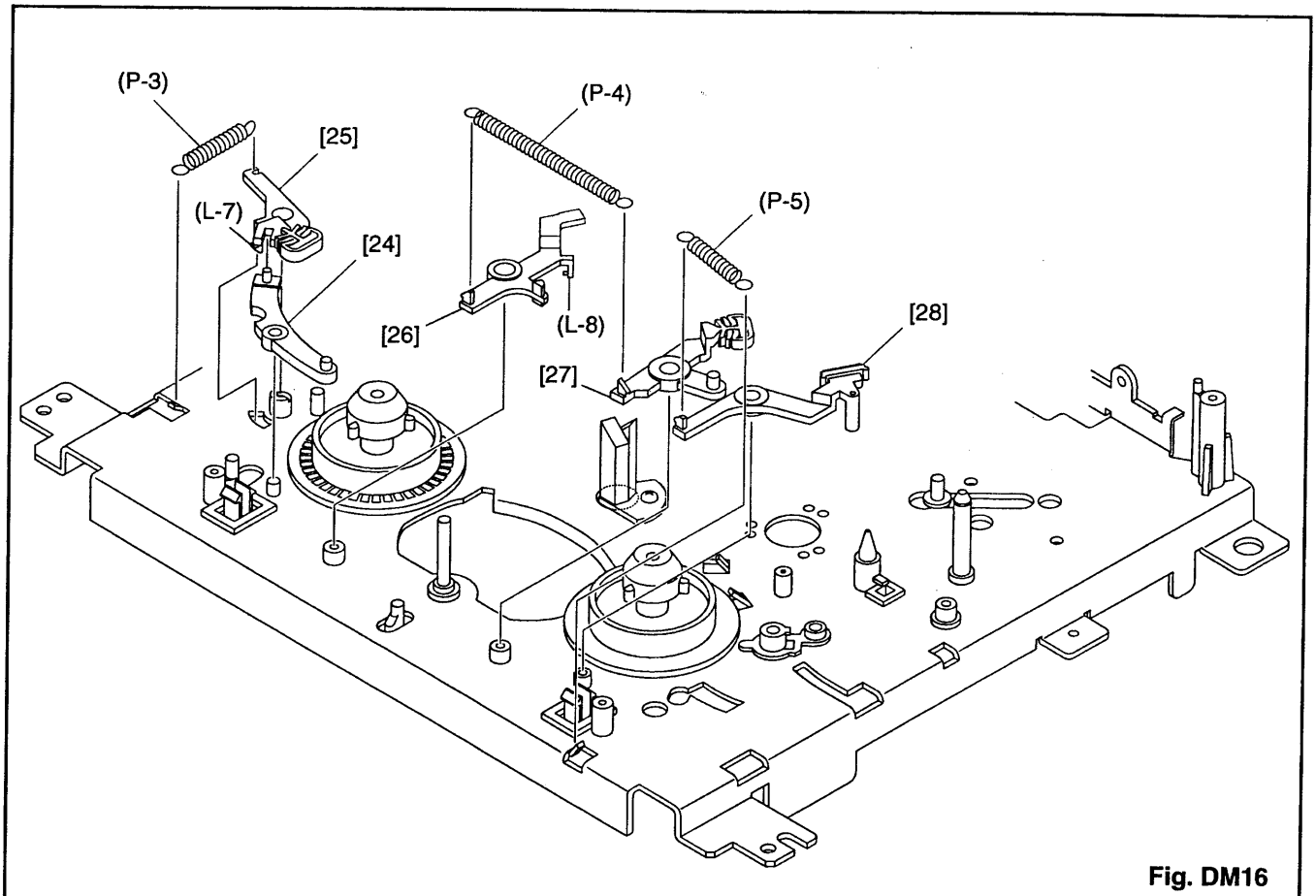


Fig. DM16

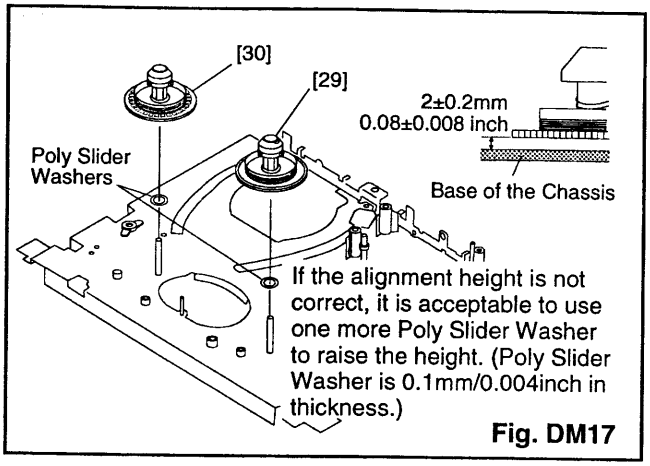


Fig. DM17

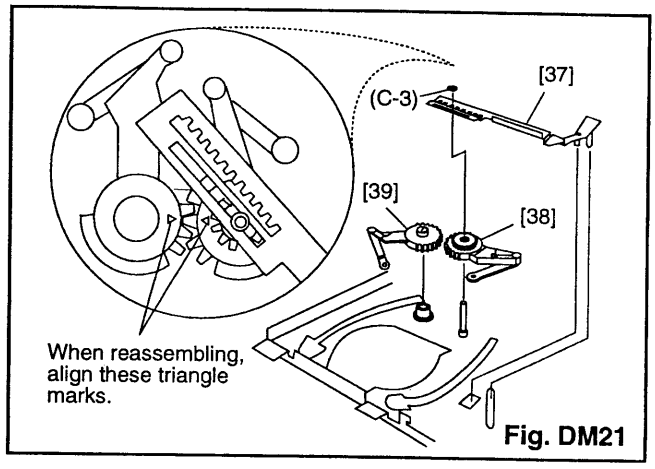


Fig. DM21

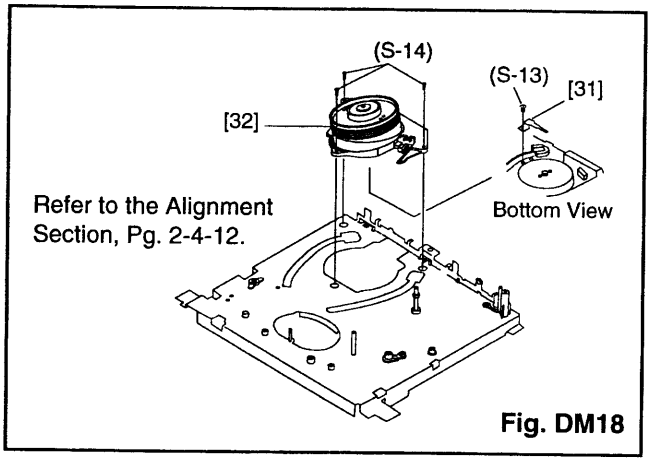


Fig. DM18

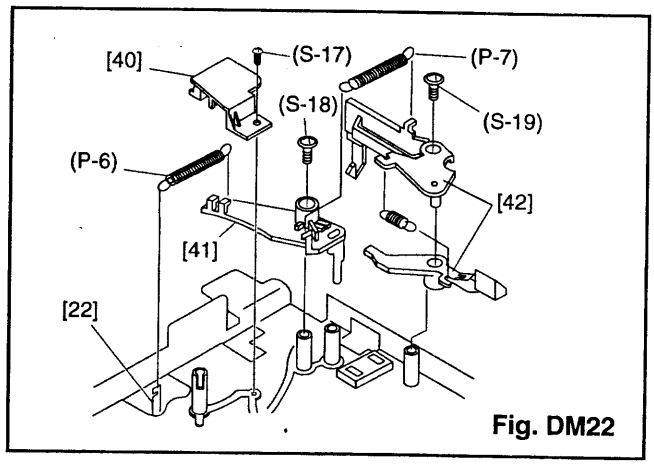


Fig. DM22

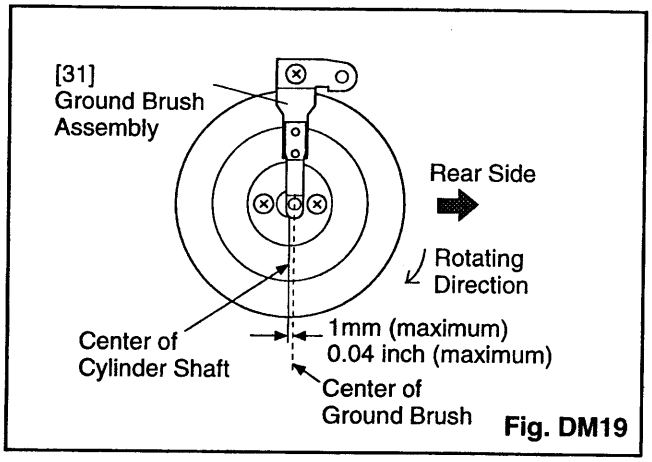


Fig. DM19

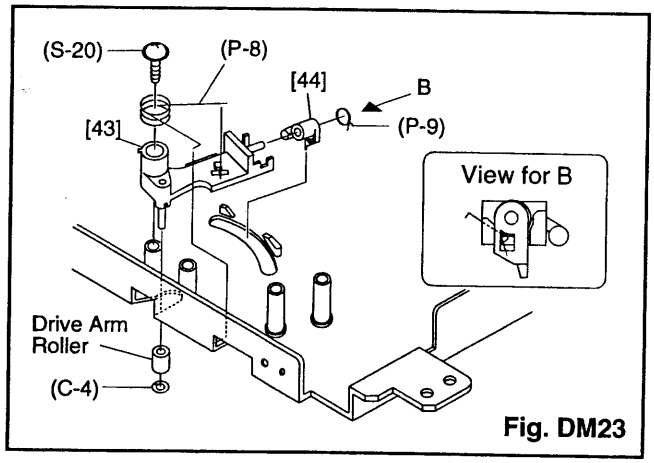


Fig. DM23

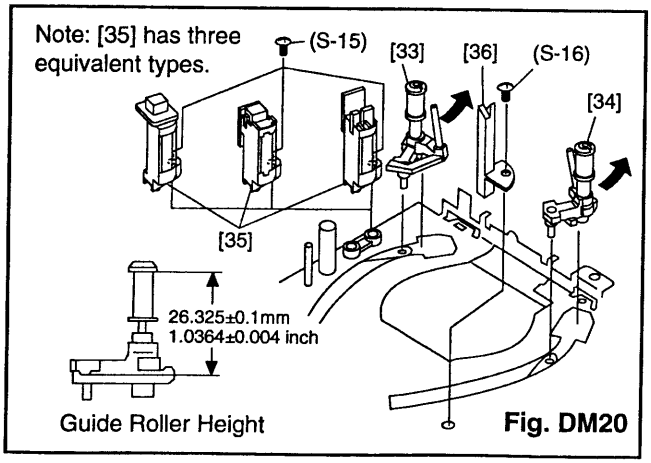


Fig. DM20

Front Loading Assembly

Before following the procedures described below, be sure to remove Front Loading Assembly from the main mechanism of the deck assembly. (See Fig. DM1.) When reassembling, start with the unit in Cassette-in mode and follow the steps in reverse order.

STEP /LOC. No.	START-ING No.	PART		REMOVAL		INSTALLATION
				Fig. No.	REMOVE/*UNHOOK/ UNLOCK/RELEASE/ UNPLUG/DESOLDER	ADJUSTMENT CONDITION
[1]	[1]	Door Opener	R	DM24 DM27	*(L-1) Door Opener Spring	(+)
*[2]	[2]	Slider Gear	R (or L)	DM28 DM30	(C-1)	(+)
*[3]	[2]	Slider Gear	L (or R)	DM28 DM30	(C-2)	(+)
		Slider Shaft	T			Install in Eject position.
[4]	[2]	Cassette Drive Gear	R	DM25 DM26 DM28	(S-1), (S-2), Cassette Drive Gear Spring	(+)
[5]	[2]	FL Rack	R	DM25 DM26 DM28		
[6]	[2]	F Door Opener R	R	DM25 DM28 DM29	*(L-2) F Door Opener R Spring	DM29
[7]	[2]	[7a] Front Guide [7b] Cassette Holder Assembly [7c] Deck Support B [7d] Deck Support F	T	DM25 DM26 DM27 DM28	4(S-3), *2(L-3)	
		[7e] Cassette Guide R	R			(+)
		[7f] Cassette Guide L	L			(+)
[8]	[8]	Gear Supporter	L	DM28	(S-4)	
[9]	[9]	Mirror Holder R	R	DM28		
[10]	[10]	Mirror Holder L	L	DM28		
↓ ①	↓ ②	↓ ③	↓ ④	↓ ⑤	↓ ⑥	↓ ⑦

①: Follow steps in sequence. When reassembling, follow the steps in reverse order. These numbers are also used as identification (location) No. of parts in the figures.

②: Indicates the part to start disassembling with in order to disassemble the part in column 1.

③: Name of the part

④: Location of the part: T=Top B=Bottom R=Right L=Left

⑤: Figure Number

⑥: Identification of parts to be removed, unhooked, unlocked, released, unplugged, unclamped, or desoldered. P=Spring, W=Washer, C=Cut Washer, S=Screw, *=Unhook, Unlock, Release, Unplug, or Desolder e.g. 2(L-2) = two Locking Tabs (L-2)

⑦: Adjustment Information for Installation (+): Refer to Deck Exploded Views for lubrication.

*[2], *[3]: Slider Gear in Step [2] and that in Step [3] are identical. However, they are divided into two steps because, before reassembling Slider Shaft, one Slider Gear must be preinstalled at either end of Slider Shaft.

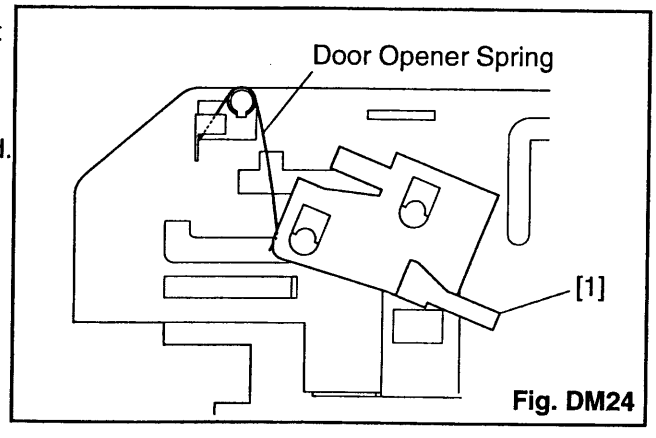


Fig. DM24

Before removing Parts [4], [5], [6] or [7], shift [7b] to Cassette-In position.

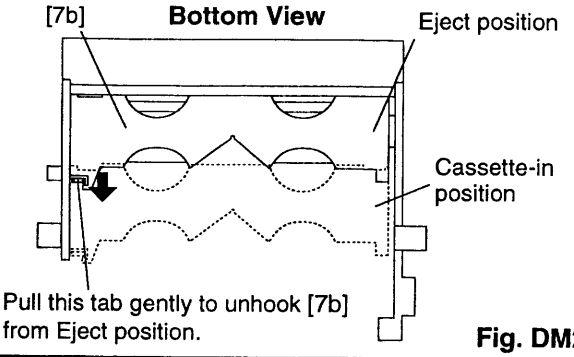


Fig. DM25

Install/remove in Cassette-in position to ensure that [7b] is in locked position.

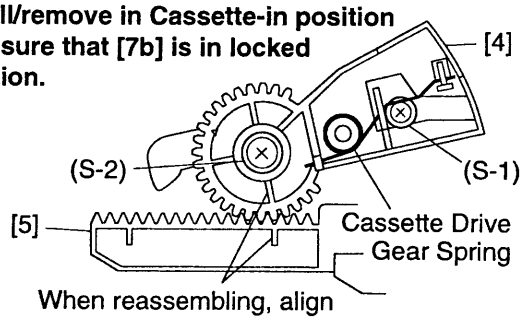


Fig. DM26

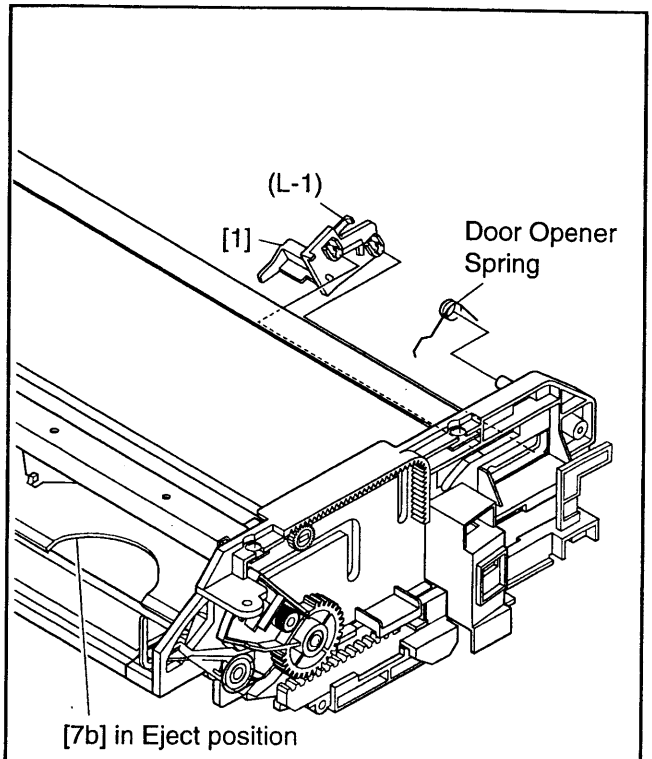


Fig. DM27

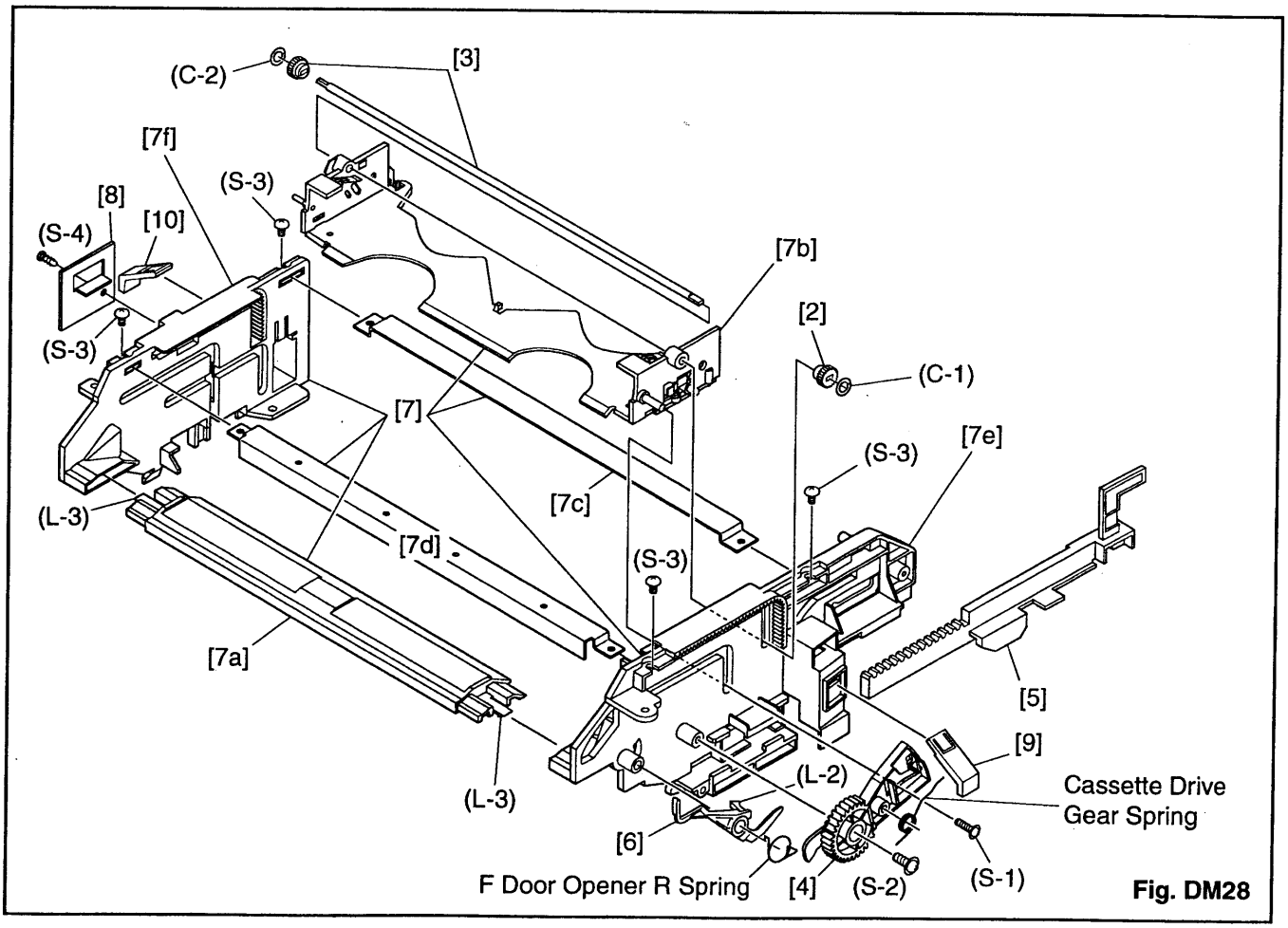
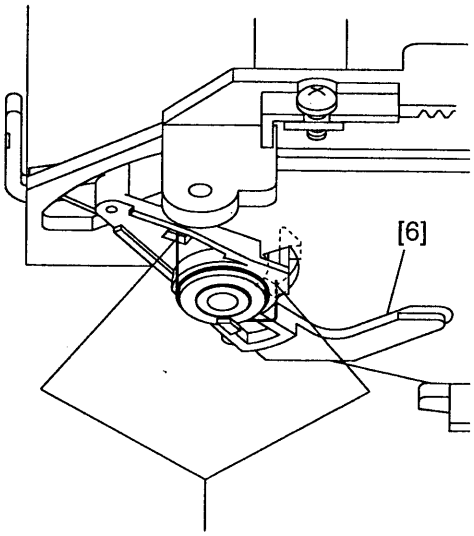
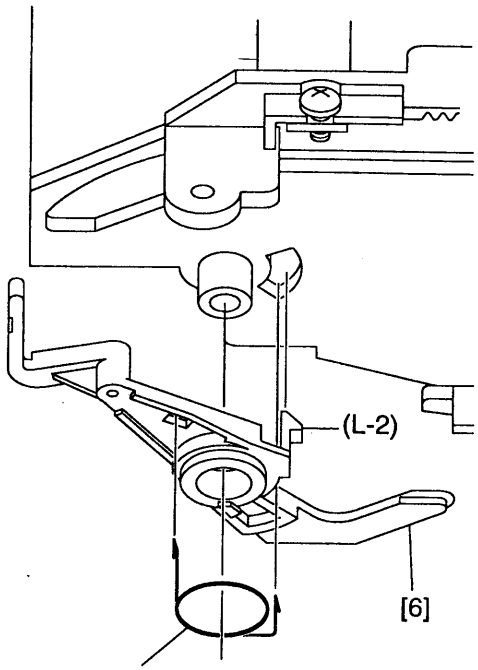


Fig. DM28

View before disassembling [6]
(F Door Opener R Spring Installation)



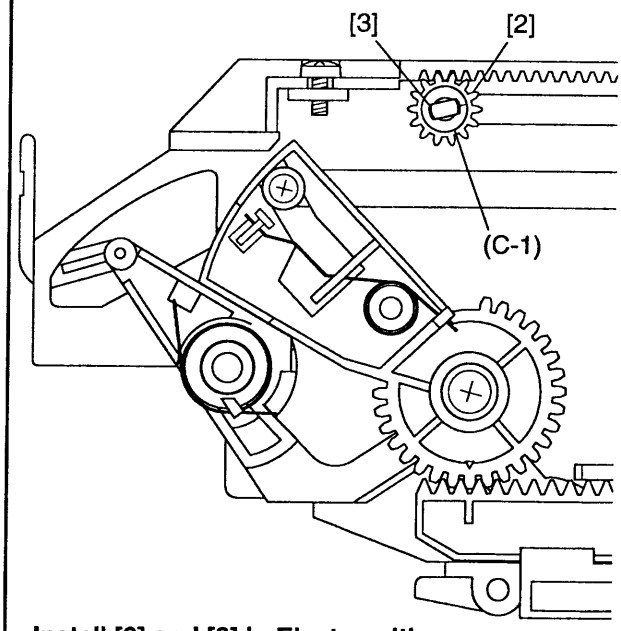
Spring must be placed in hole.



F Door Opener R Spring

Fig. DM29

View before disassembling [2] and [3]
(Installation of Slider Shaft and Slider Gear)



Install [2] and [3] in Eject position.
(When disassembling, [2] and [3] can be removed either in Eject position or Cassette-in position.)

- This figure shows where [2], [3] and other parts are in Eject position.

Fig. DM30

ALIGNMENT PROCEDURES OF MECHANISM

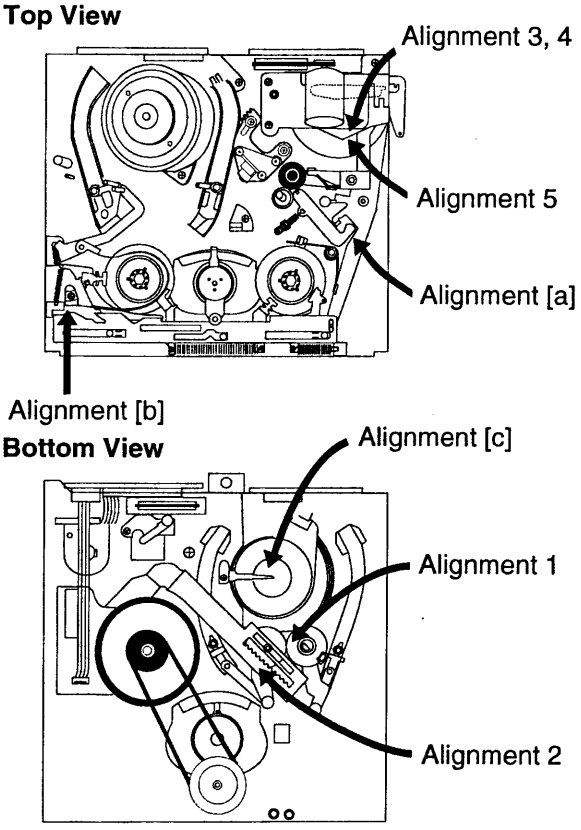
The following procedures describe how to align the individual gears and levers that make up the tape loading/unloading mechanism. Since information about the state of the mechanism is provided to the System Control Circuit only through the Mode Switch, it is essential that the correct relationship between individual gears and levers be maintained.

All alignments are to be performed with the mechanism in Eject mode, in the sequence given. Each procedure assumes that all previous procedures have been completed.

IMPORTANT:

If any one of these alignments is not performed properly, even if off by only one tooth, the unit will unload or stop and it may result in damage to the mechanical or electrical parts.

Alignment points in Eject Position



Alignment [a] through [c] can be done independently of any other alignment. **Fig. AL1**

Alignment [a]

Tape Guide Assembly

1. Measurement of the black screw must be as specified in Fig. AL3.

Alignment 1

Loading Gears, A and B

1. Install Loading Gears A and B so that their triangle marks point to each other as shown in Fig. AL2.

Alignment 2

Loading Arm M Assembly

1. Keeping the two triangles pointing at each other, install Loading Arm M Assembly so that its tooth with yet another triangle mark is in the position to align with Loading Gear A and the center of the shaft. See Fig. AL2.

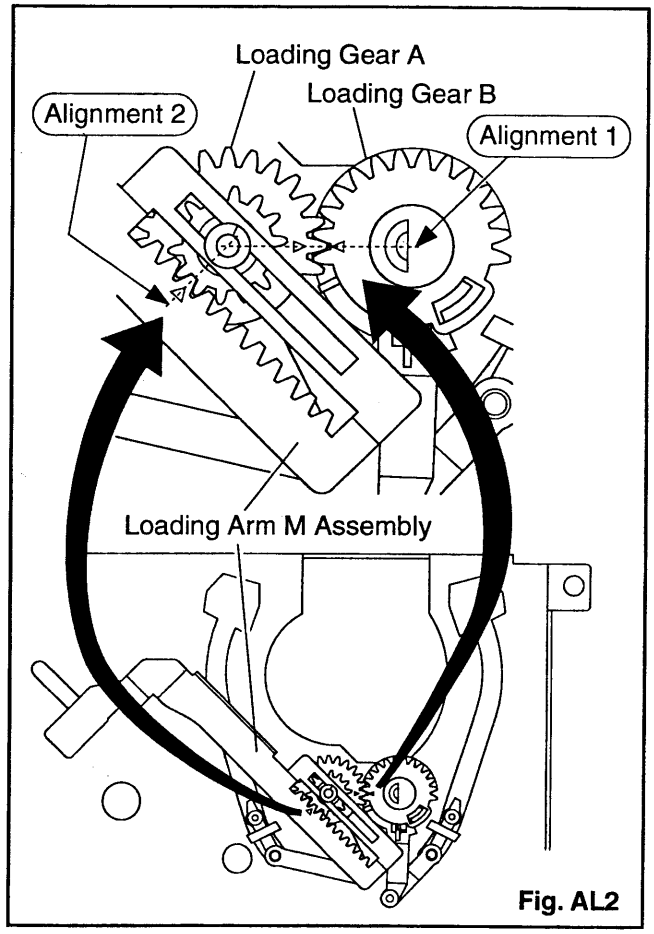


Fig. AL2

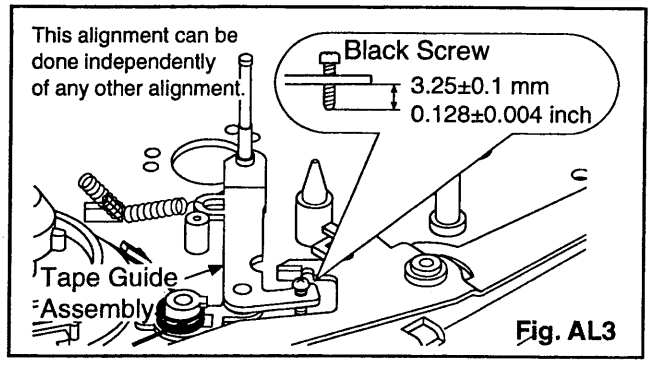


Fig. AL3

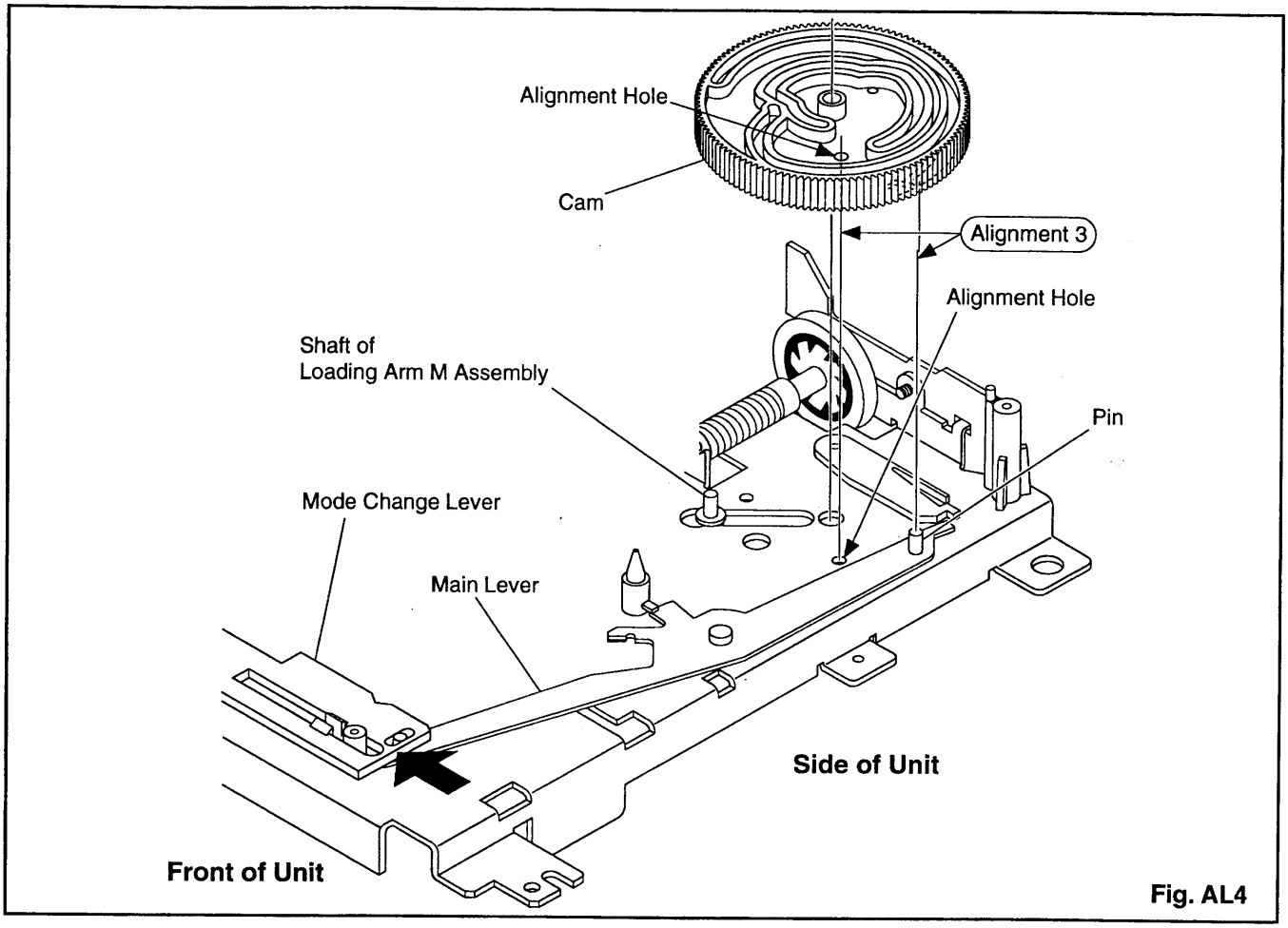


Fig. AL4

Alignment 3

Cam

1. Make sure that the mechanism is in Eject mode so that the shaft of Loading Arm M Assembly is in the position shown in Fig. AL4.
2. Align the alignment hole of the Cam with the alignment hole of the base, holding the Cam just above the base.
3. Carefully keeping these two holes aligned, install the Cam while pushing Mode Change Lever in the direction of the arrow. The Mode Change Lever must be pushed to make the pin on the Main Lever fit in the proper groove in the lower Cam.
4. After installing the Cam, make sure that the alignment hole of the Cam is still aligned with the base hole and that the pin on the Main Lever is inserted into the proper groove of the lower Cam as specified in Fig. AL4.

Alignment 4

Pinch Roller Arm Assembly

1. Ensure that the pin of the Pinch Roller Arm Assembly is positioned in the end of the groove of the upper Cam as shown in Fig. AL5.

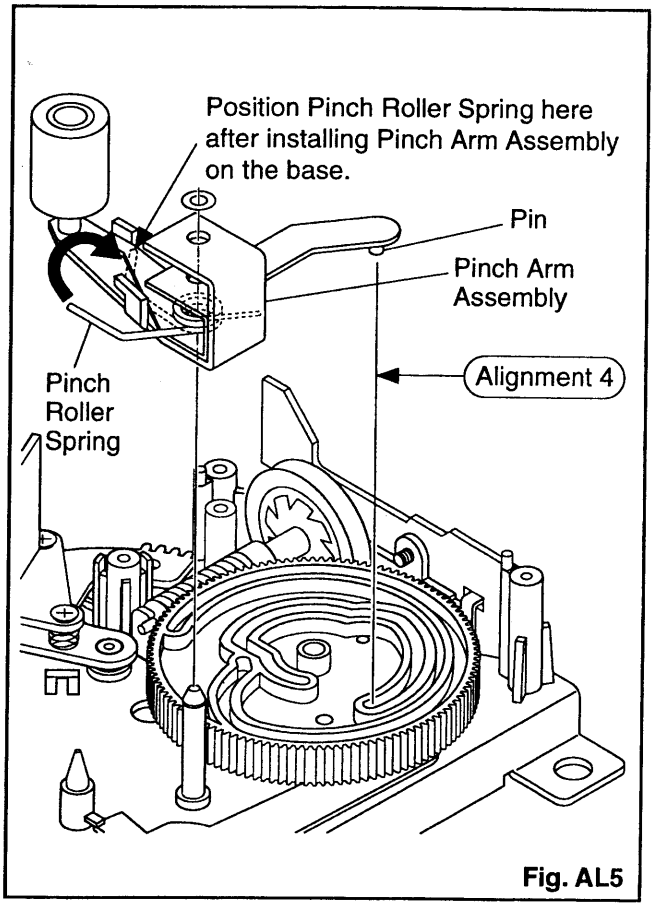


Fig. AL5

Alignment 5

Cassette Drive Lever Assembly

1. Ensure that the pin of the Cassette Drive Lever Assembly is positioned in the groove of the upper Cam as shown in Fig. AL6.

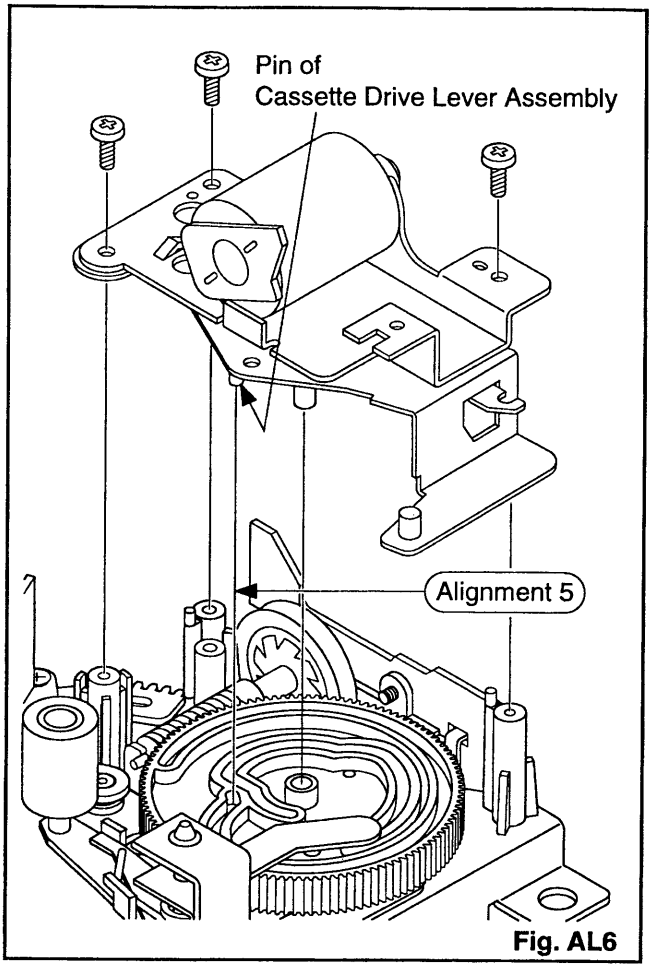


Fig. AL6

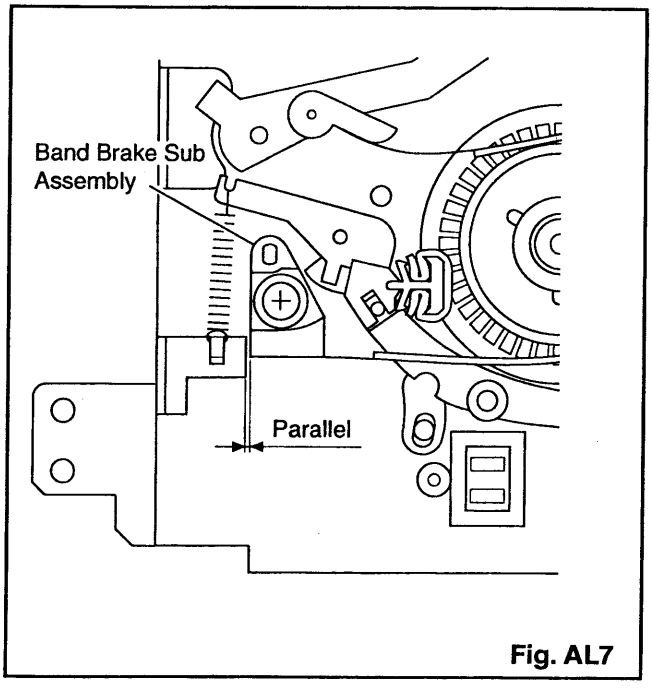


Fig. AL7

Alignment [b]

This alignment can be performed independently of any other alignment.

Band Brake Sub Assembly

1. Ensure that Band Brake Sub Assembly is positioned parallel to the chassis' notch as shown in Fig. AL7. This measurement can be made by eye.

Alignment [c]

This alignment can be performed independently of any other alignment.

Ground Brush Assembly

1. Check to see if the Ground Brush Assembly is properly set in a position equal to or just less than 1mm (0.04 inch) (but never more than 1 mm or 0.04 inch), as measured from the center of the brush to the center of the Cylinder Shaft as shown in Fig. AL8.
2. If this measurement exceeds 1mm (0.04 inch), loosen and refasten the screw of the Ground Brush Assembly. If this is not enough and further adjustment is necessary, loosen and refasten the three screws of Cylinder Assembly. These three screws are shown in Fig. DM18 in DISASSEMBLY/ASSEMBLY PROCEDURES OF DECK MECHANISM (page 2-4-8).

Note: DO NOT install the Ground Brush Assembly in the opposite position (on the left side of the center of the Cylinder shaft), but always within a maximum of 1mm (0.04 inch) to the right side of the center of this shaft.

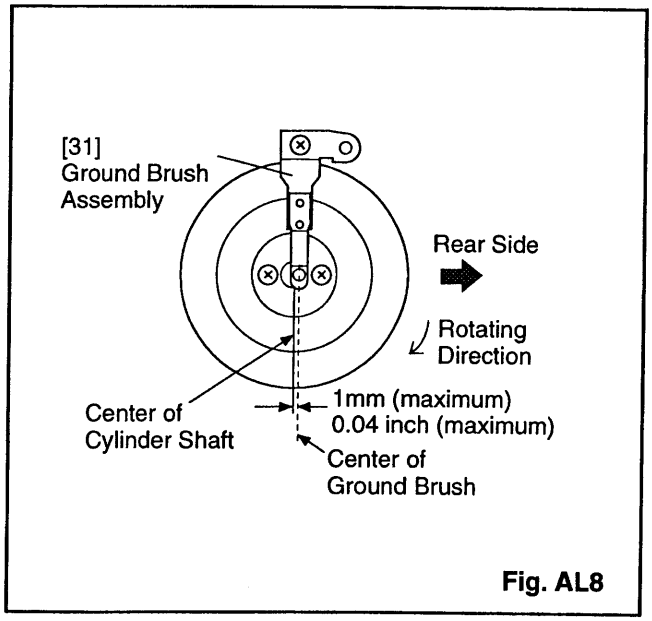


Fig. AL8

EXPLODED VIEWS AND PARTS LIST SECTION

14" COLOR TV/VCR COMBINATION
20" COLOR TV/VCR COMBINATION

MV3410T
MV4810T

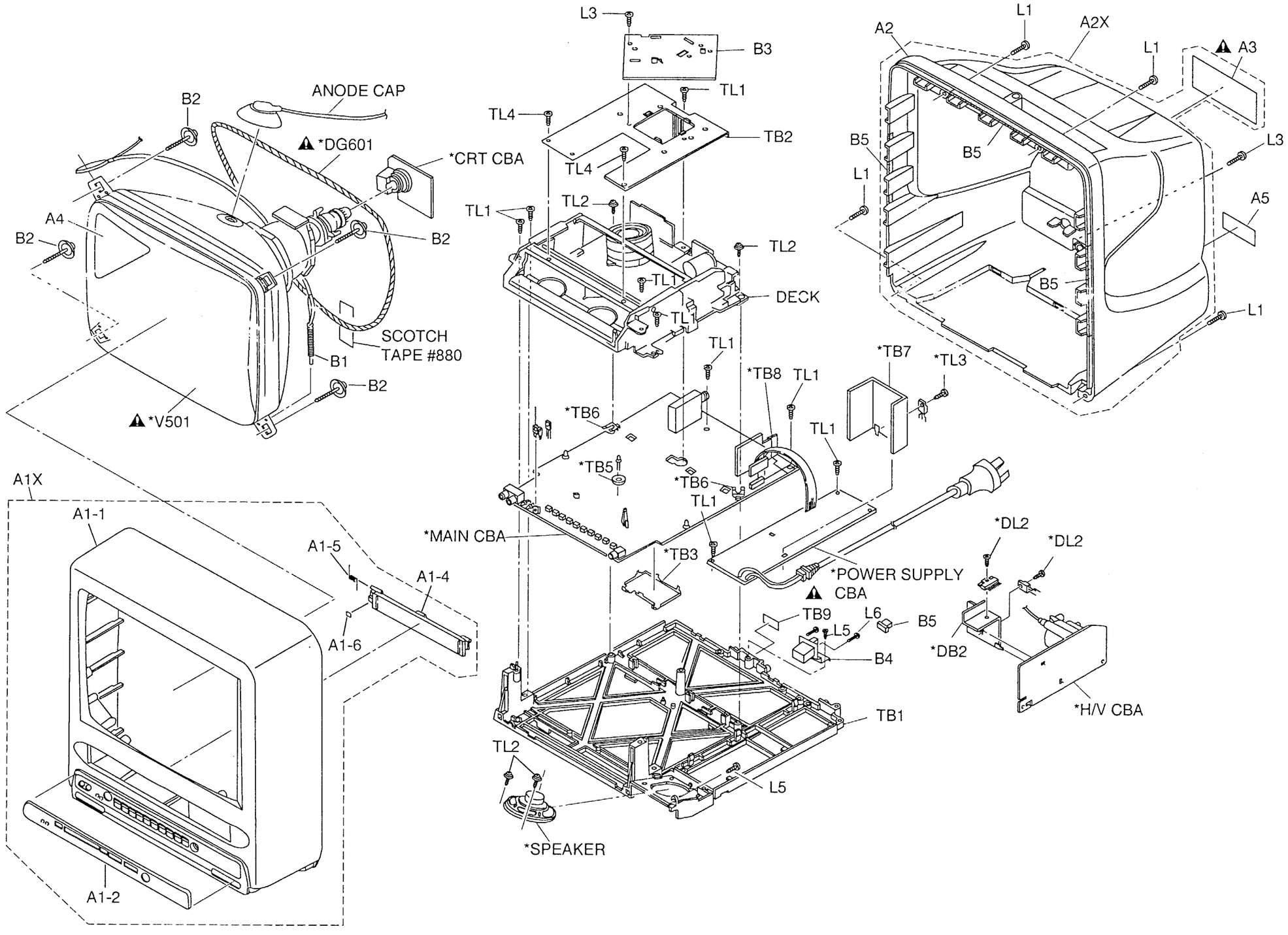
Sec. 3: Exploded Views and Parts List Section

- **Exploded views**
- **Parts List**

TABLE OF CONTENTS

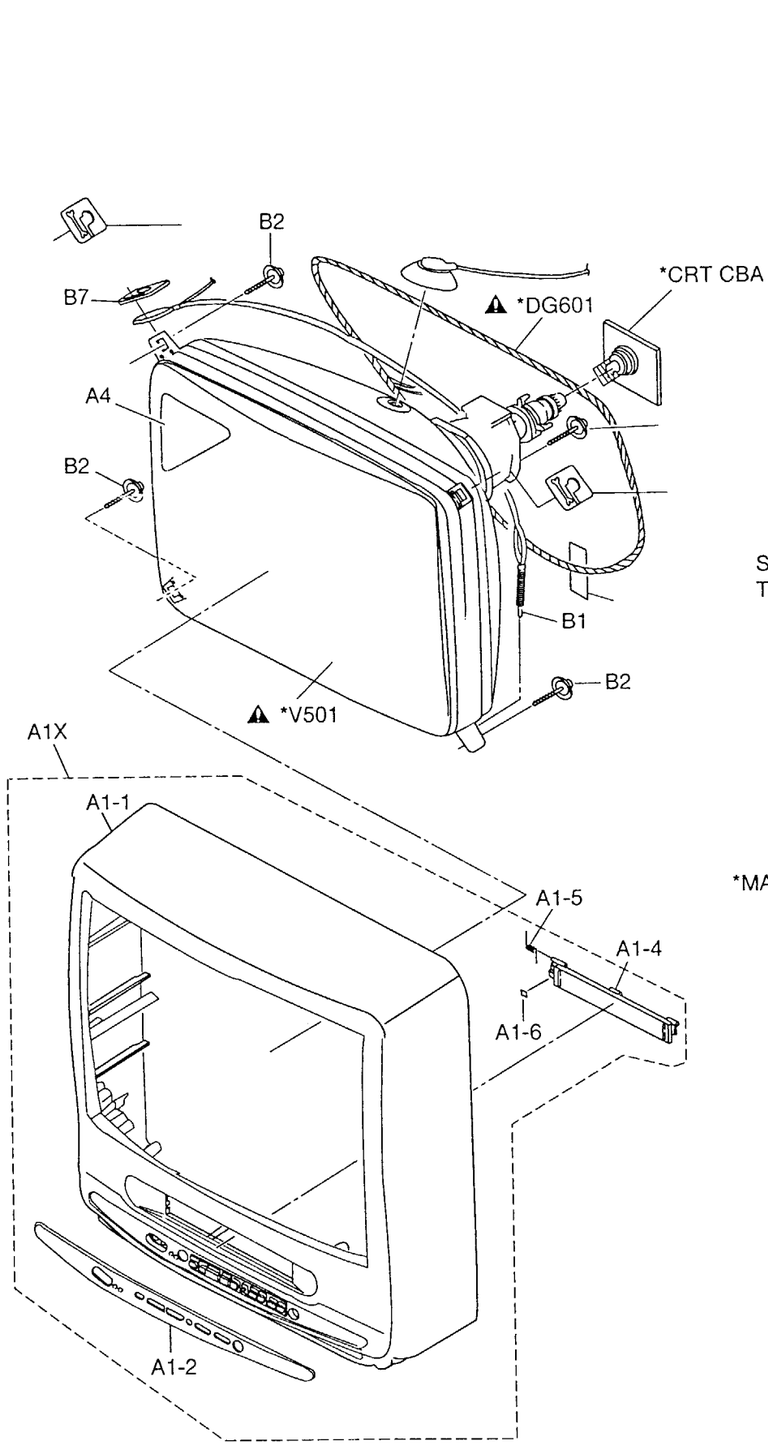
CABINET EXPLODED VIEW (MV3410T)

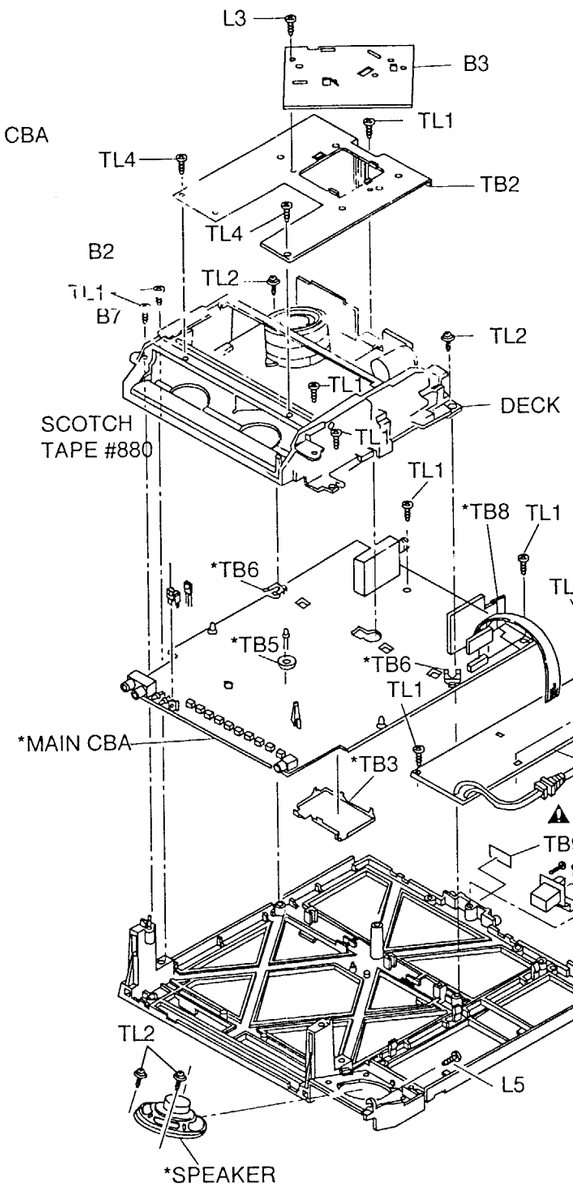
*Marked parts see the Electrical Parts List

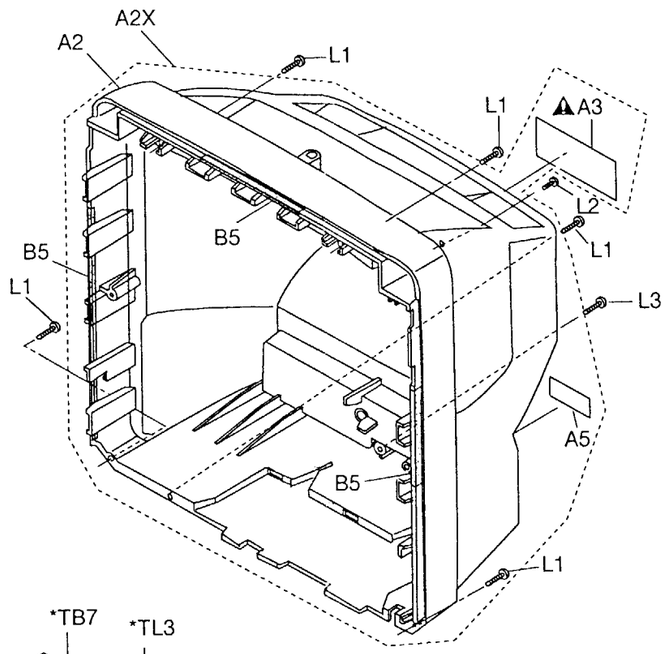


CABINET EXPLODED VIEW (MV4810T)

*Marked parts see the Electrical Parts List

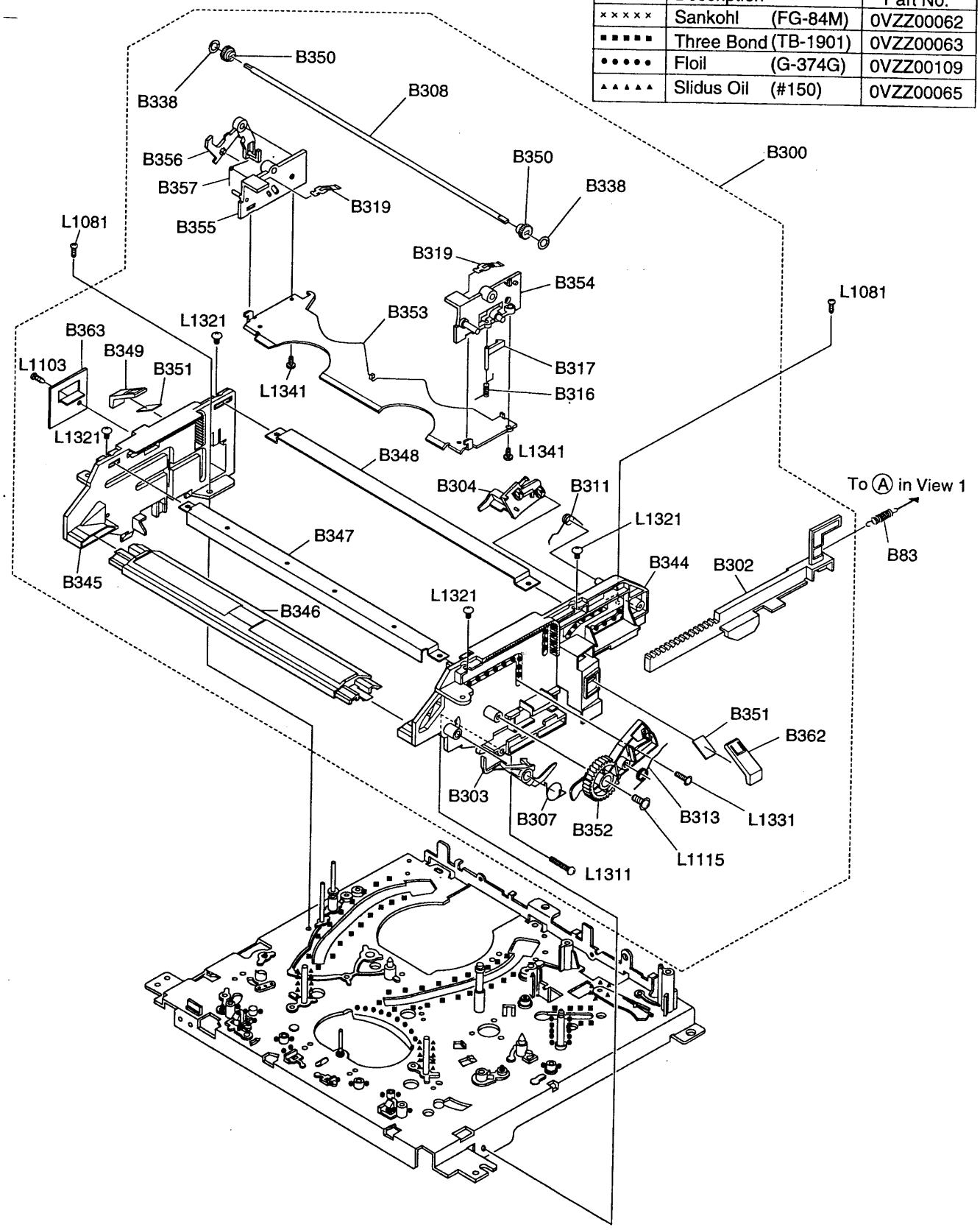




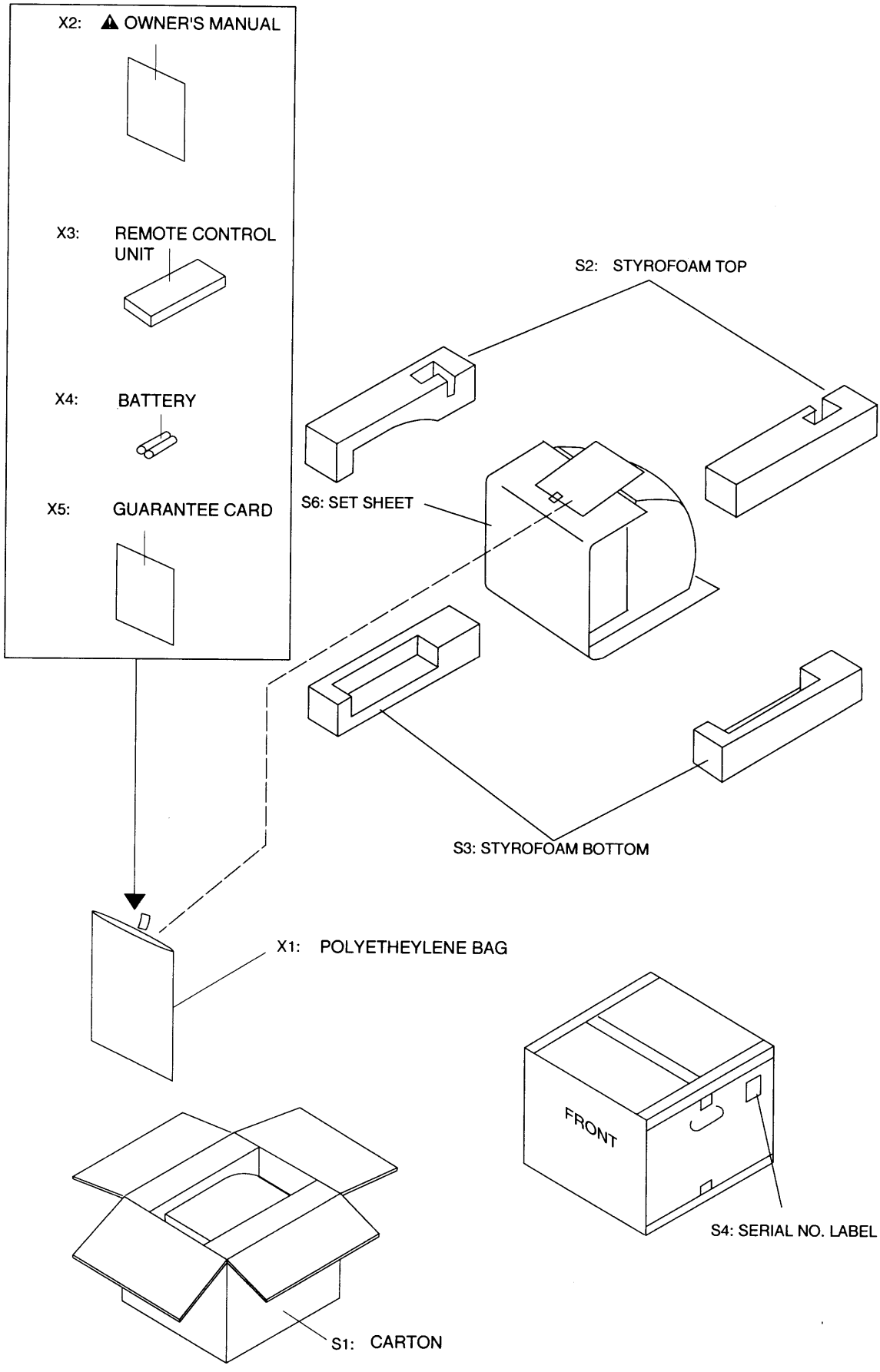


Deck Mechanism
View 3

Mark	Description	Part No.
×××××	Sankohl (FG-84M)	0VZZ00062
■■■■■	Three Bond (TB-1901)	0VZZ00063
●●●●●	Floil (G-374G)	0VZZ00109
▲▲▲▲▲	Slidus Oil (#150)	0VZZ00065

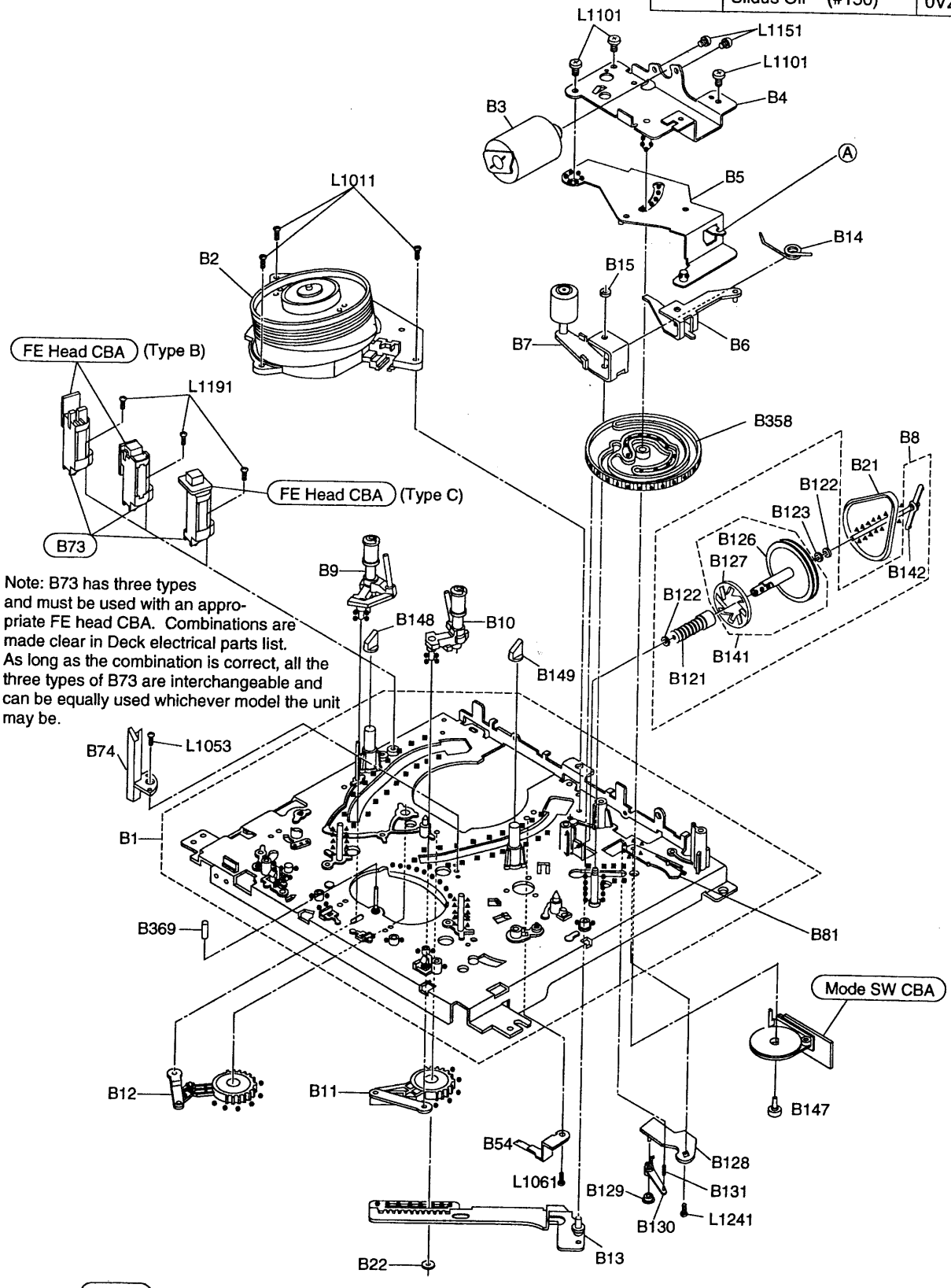


PACKING EXPLODED VIEW



Deck Mechanism
View 1

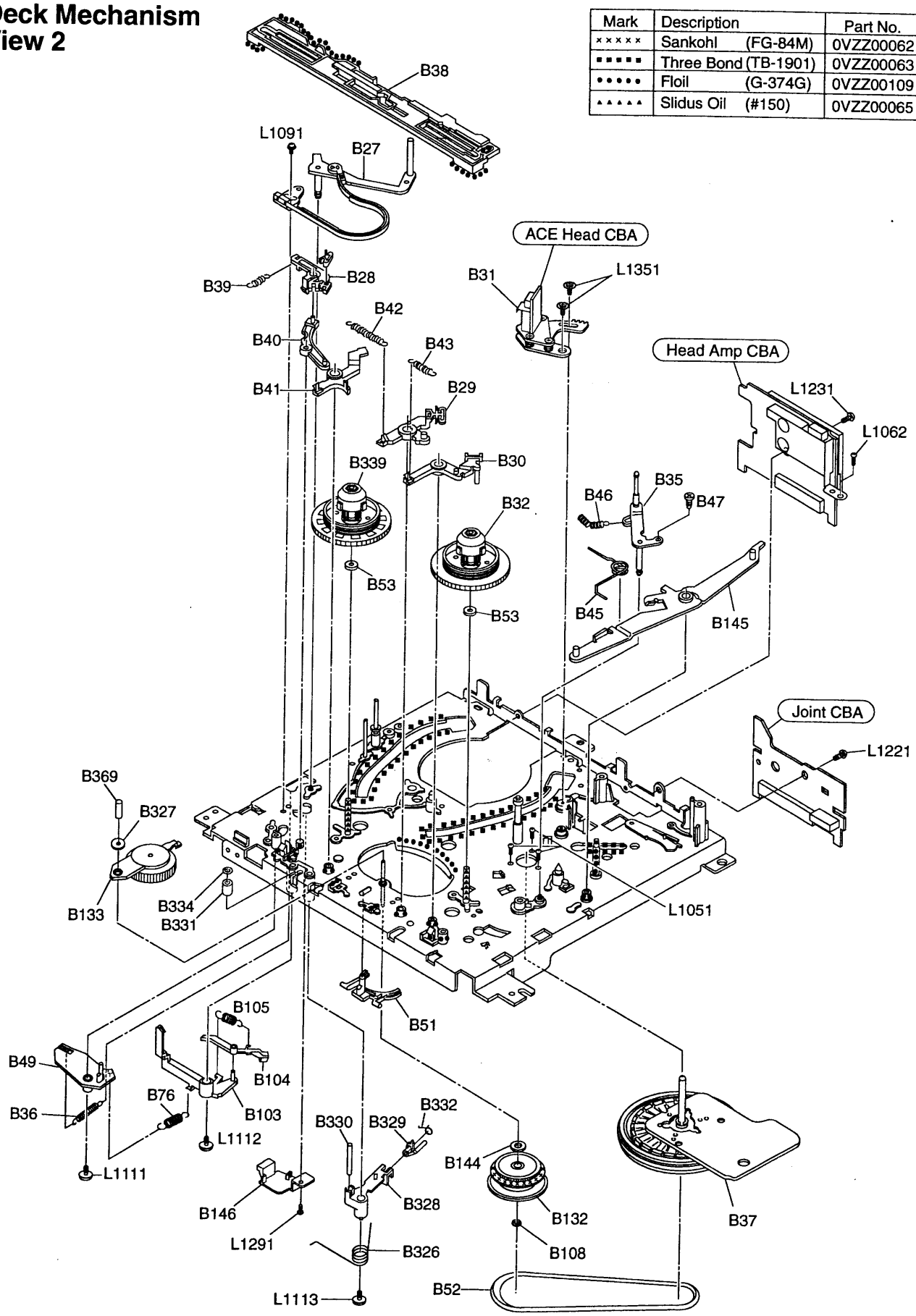
Mark	Description	Part No.
×××××	Sankohl (FG-84M)	0VZZ00062
▪▪▪▪▪	Three Bond (TB-1901)	0VZZ00063
••••••	Floil (G-374G)	0VZZ00109
▲▲▲▲▲	Slidus Oil (#150)	0VZZ00065



See the Deck Electrical Parts List.

Deck Mechanism View 2

Mark	Description	Part No.
×××××	Sankohl (FG-84M)	0VZZ00062
■■■■■	Three Bond (TB-1901)	0VZZ00063
●●●●●	Floil (G-374G)	0VZZ00109
▲▲▲▲▲	Slidus Oil (#150)	0VZZ00065



See the Deck Electrical Parts List.

CABINET PARTS LIST

PRODUCT SAFETY NOTE: Products marked with a ⚠ have special characteristics important to safety. Before replacing any of these components, read carefully the product safety notice in this service manual. Don't degrade the safety of the product through improper servicing.

Ref. No.	Description	Part No.
A1X	FRONT CABINET ASSEMBLY	0EM100812
	[For Model MV3410T]	
A1X	FRONT CABINET ASSEMBLY	0EM100813
	[For Model MV4810T]	
A1-1	FRONT CABINET	0EM100722
	[For Model MV3410T]	
A1-1	FRONT CABINET	0EM100726
	[For Model MV4810T]	
A1-2	CONTROL PLATE	0EM301034
	[For Model MV3410T]	
A1-2	CONTROL PLATE	0EM200720
	[For Model MV4810T]	
A1-4	CASSETTE DOOR	0EM403619
A1-5	DOOR SPRING	0VM403773
A1-6	CLOTH(4X4)	0EM402404
A2	REAR CABINET	0EM100723
	[For Model MV3410T]	
A2	REAR CABINET	0EM100727
	[For Model MV4810T]	
A3 ⚠	RATING LABEL	0EM403620
	[For Model MV3410T]	
A3 ⚠	RATING LABEL	0EM403624
	[For Model MV4810T]	
A4 ⚠	POP LABEL	0EM403622
	[For Model MV3410T]	
A4 ⚠	POP LABEL	0EM403626
	[For Model MV4810T]	
A5	TOTAL CARE LABEL	0EM403646
B1	TENSION SPRING B0080B0:EM40808	26WH006
B2	CRT MOUNTING SCREW B0030U1:K42419	8A00083
B3	SHILDE PLATE(9A)	0EM401635
B4	POWER SWITCH HOLDER	0EM403329
B5	POWER KNOB B7751SW	0EM403328
B7	CLOTH	0EM400242
L1	SCREW P-TIGHT 4X18 BIND HEAD	GBMP4180
L3	SCREW B-TIGHT 3X10 BIND BLACKHEAD+	GBKB3100
L4	SCREW S-TIGHT 3X4 BIND HEAD+	GBMS3040
L5	SCREW P-TIGHT 3X10 BIND HEAD	GBMP3100
L6	SCREW M3X5 BIND HEAD+	SBM33050
TB1	TRAY CHASSIS	0EM000219
TB2	TOP SHIELD	0EM200513
TB7	CLOTH(B) L5201U0:15X10X0.5T	0EM400076
TL1	SCREW P-TIGHT 3X10 BIND HEAD	GBMP3100
TL2	ASSEMBLED SCREW M3X10	0EM401739
TL4	SCREW S-TIGHT 3X4 BIND HEAD+	GBMS3040
TL6	SCREW P-TIGHT 3X12 BIND HEAD+	GBKP3120
TP8	CHASSIS NO. LABEL	0EM403498
TP9	TRAY CGASSIS NO. LABEL :NO PRINTING	0EM403475

Ref. No.	Description	Part No.
S1	CARTON	0EM403621
	[For Model MV3410T]	
S1	CARTON	0EM403625
	[For Model MV4810T]	
S2	STYROFOAM TOP	0EM000224
	[For Model MV3410T]	
S2	STYROFOAM TOP	0EM000227
	[For Model MV4810T]	
S3	STYROFOAM BOTTOM	0EM000225
	[For Model MV3410T]	
S3	STYROFOAM BOTTOM	0EM000228
	[For Model MV4810T]	
S4	SERIAL NO. LABEL	0EM401639
S6	SET SHEET :800X1500	0EM402369
	[For Model MV3410T]	
S6	SET SHEET :800X1500	0EM402178
	[For Model MV4810T]	
S7	STYROFOAM REAR	0EM401509
	[For Model MV4810T]	
X1	POLYETHYLENE BAG	Z223380
X2 ⚠	OWNER'S MANUAL	0EMN01215
	[For Model MV3410T]	
X2 ⚠	OWNER'S MANUAL	0EMN01216
	[For Model MV4810T]	
X3	REMOCON UNIT SBAU20097C	UREMT42AL002
X4	DRY BATTERY R6 UM3 1015 M15P or	XB0M451GW001
	DRY BATTERY R6P UM3 or	XB0M451GH001
	DRY BATTERY UM-3(K) 2PCS PACK	1813020
X5	GUARANTEE CARD	0EMN00912

ELECTRICAL PARTS LIST

PRODUCT SAFETY NOTE: Products marked with a ⚠ have special characteristics important to safety. Before replacing any of these components, read carefully the product safety notice in this service manual. Don't degrade the safety of the product through improper servicing.

NOTE: Parts that not assigned part numbers (----------) are not available.

Tolerance of Capacitors and Resistors are noted with the following symbols.

C.....±0.25%	D.....±0.5%	F.....±1%
G.....±2%	J.....±5%	K.....±10%
M.....±20%	N.....±30%	Z.....+80/-20%

Main (MMA) CBA

Ref. No.	Description	Part No.
	Main (MMA) CBA Consists of the following:	0ESA01435
	CAPACITORS	
C 1	CERAMIC CAP.(AX) F Z 0.01μF/25V	CDA1EZT0F103
C 2	ELECTROLYTIC CAP. 100μF/10V M	CE1AMASDL101
C 3	CERAMIC CAP.(AX) B K 1000pF/50V	CDA1JKT0B102
C 4	CERAMIC CAP.(AX) F Z 0.01μF/25V	CDA1EZT0F103
C 4	CHIP CERAMIC CAP. F Z 0.01μF/50V	CHE1JZB0F103
C 5	ELECTROLYTIC CAP. 2.2μF/50V M	CE1JMASDL2R2
C 31	ELECTROLYTIC CAP. 100μF/10V M	CE1AMASDL101
C 32	CERAMIC CAP.(AX) F Z 0.01μF/25V	CDA1EZT0F103
C 32	CHIP CERAMIC CAP. F Z 0.01μF/50V	CHE1JZB0F103
C 33	CERAMIC CAP.(AX) F Z 0.01μF/25V	CDA1EZT0F103
C 33	CHIP CERAMIC CAP. F Z 0.01μF/50V	CHE1JZB0F103
C 34	CERAMIC CAP.(AX) F Z 0.01μF/25V	CDA1EZT0F103
C 34	CHIP CERAMIC CAP. F Z 0.01μF/50V	CHE1JZB0F103
C 35	CERAMIC CAP.(AX) F Z 0.01μF/25V	CDA1EZT0F103
C 81	ELECTROLYTIC CAP. 10μF/50V M	CE1JMASDL100
C 82	ELECTROLYTIC CAP. 10μF/50V M	CE1JMASDL100
C 83	ELECTROLYTIC CAP. 10μF/50V M	CE1JMASDL100
C 84	ELECTROLYTIC CAP. 10μF/50V M	CE1JMASDL100
C 85	ELECTROLYTIC CAP. 1.0μF/50V M H7 or	CE1JMASSL1R0
	ELECTROLYTIC CAP. 1μF/50V M H7	526W105S
C 86	CERAMIC CAP.(AX) B K 100pF/50V	CCA1JKT0B101
C 86	CHIP CERAMIC CAP. CH J 100pF/50V	CHE1JJBCH101
C 87	PORIESTER FILM CAP. 0.047μF/50V K or	CA1J473LL007
	*MYLAR CAP. 0.047μF/50V J or	CMA1JJS00473
	MYLAR CAP. 0.047μF/50V K or	2250473S
	MYLAR CAP. 0.047μF/50V K	1250473S
C 88	PORIESTER FILM CAP. 0.1μF/50V J or	CA1J104LL006
	MYLAR CAP. 0.1μF/50V J or	CMA1JJS00104
	STACKED METALLIZED FILM CAP. 0.1μF/50VJ or	122Z309S
	STACKED METALLIZED FILM CAP. 0.1μF/50VJ	125U104S
C 89	PORIESTER FILM CAP. 0.1μF/50V J or	CA1J104LL006
	MYLAR CAP. 0.1μF/50V J or	CMA1JJS00104
	STACKED METALLIZED FILM CAP. 0.1μF/50VJ or	122Z309S
	STACKED METALLIZED FILM CAP. 0.1μF/50VJ	125U104S
C 97	PORIESTER FILM CAP. 0.047μF/50V K or	CA1J473LL007
	MYLAR CAP. 0.047μF/50V J or	CMA1JJS00473
	MYLAR CAP. 0.047μF/50V K or	2250473S
	MYLAR CAP. 0.047μF/50V K	1250473S
C 150	ELECTROLYTIC CAP. 1.0μF/50V M H7 or	CE1JMASSL1R0
	ELECTROLYTIC CAP. 1μF/50V M H7	526W105S
C 151	CERAMIC CAP.(AX) B K 330pF/50V	CCA1JKT0B331
C 152	CERAMIC CAP.(AX) B K 1000pF/50V or	CDA1JKT0B102
	CHIP CERAMIC CAP. B K 1000pF/50V	CHE1JKB0B102
C 153	CERAMIC CAP.(AX) F Z 0.01μF/25V or	CDA1EZT0F103
	CHIP CERAMIC CAP. F Z 0.01μF/50V	CHE1JZB0F103
C 154	ELECTROLYTIC CAP. 22μF/16V M H7 or	CE1CMASSL220
	ELECTROLYTIC CAP. 22μF/16V M H7	526T226S
C 155	CERAMIC CAP.(AX) F Z 0.01μF/25V or	CDA1EZT0F103
	CHIP CERAMIC CAP. F Z 0.01μF/50V	CHE1JZB0F103
C 156	CERAMIC CAP.(AX) B K 1000pF/50V or	CDA1JKT0B102
	CERAMIC CAP.(AX) B K 1000pF/50V	CDA1JKT0B102
C 158	ELECTROLYTIC CAP. 47μF/6.3V M H7	CE0KMASSL470
C 159	MYLAR CAP. 0.022μF/50V K or	CA1J223LL007
	MYLAR CAP. 0.022μF/50V J or	CMA1JJS00223
	MYLAR CAP. 0.022μF/50V K or	2250223S
	MYLAR CAP. 0.022μF/50V K	1250223S
C 160	CERAMIC CAP.(AX) B K 100pF/50V	CCA1JKT0B101
C 161	CERAMIC CAP.(AX) B K 330pF/50V or	CCA1JKT0B331
	CHIP CERAMIC CAP. SL J 330pF/50V	CHE1JJBSL331
C 162	ELECTROLYTIC CAP. 10μF/16V M H7 or	CE1CMASSL100
	ELECTROLYTIC CAP. 10μF/16V M H7	526T106S
C 163	CERAMIC CAP.(AX) F Z 0.022μF/25V or	CDA1EZT0F223
	CHIP CERAMIC CAP. F Z 0.022μF/50V	CHE1JZB0F223
C 164	CERAMIC CAP.(AX) X K 6800pF/16V or	CDA1CKT0X682
	CHIP CERAMIC CAP. B K 6800pF/50V	CHE1JKB0B682
C 166	ELECTROLYTIC CAP. 47μF/6.3V M H7	CE0KMASSL470
C 167	ELECTROLYTIC CAP. 10μF/16V M LL	CE1CMASLL100
C 168	ELECTROLYTIC CAP. 2.2μF/50V M H7 or	CE1JMASSL2R2
	ELECTROLYTIC CAP. 2.2μF/50V M H7	526W225S
C 201	ELECTROLYTIC CAP. 47μF/6.3V M H7	CE0KMASSL470
C 202	CERAMIC CAP.(AX) F Z 0.022μF/25V	CDA1EZT0F223
C 203	ELECTROLYTIC CAP. 22μF/6.3V M H7	CE0KMASSL220
C 204	ELECTROLYTIC CAP. 1.0μF/50V M H7 or	CE1JMASSL1R0
	ELECTROLYTIC CAP. 1μF/50V M H7	526W105S
C 205	CERAMIC CAP.(AX) CH J 10pF/50V or	CCA1JJTCH100
	CHIP CERAMIC CAP. CH F 10pF/50V	CHE1JFBCH100
C 206	CERAMIC CAP.(AX) CH J 10pF/50V or	CCA1JJTCH100
	CHIP CERAMIC CAP. CH F 10pF/50V	CHE1JFBCH100
C 207	CERAMIC CAP.(AX) X K 1500pF/16V or	CDA1CKT0X152
	CHIP CERAMIC CAP. B K 1500pF/50V	CHE1JKB0B152
C 208	CERAMIC CAP.(AX) SL J 27pF/50V or	CCA1JJTSL270
	CHIP CERAMIC CAP. SL J 27pF/50V	CHE1JJBSL270
C 209	CERAMIC CAP.(AX) SL J 27pF/50V or	CCA1JJTSL270
	CHIP CERAMIC CAP. SL J 27pF/50V	CHE1JJBSL270
C 211	CERAMIC CAP.(AX) Y K 0.01μF/16V or	CDA1CKT0Y103
	CHIP CERAMIC CAP. B K 0.01μF/50V	CHE1JKB0B103
C 212	ELECTROLYTIC CAP. 220μF/6.3V M H7	CE0KMASSL221
C 214	ELECTROLYTIC CAP. 0.1μF/50V M H7 or	CE1JMASSL0R1
	ELECTROLYTIC CAP. 0.1μF/50V M H7	526W104S
C 216	ELECTROLYTIC CAP. 1.0μF/50V M H7 or	CE1JMASSL1R0
	ELECTROLYTIC CAP. 1μF/50V M H7	526W105S
C 217	CERAMIC CAP.(AX) F Z 0.01μF/25V or	CDA1EZT0F103
	CHIP CERAMIC CAP. F Z 0.01μF/50V	CHE1JZB0F103
C 218	CERAMIC CAP.(AX) F Z 0.01μF/25V or	CDA1EZT0F103
	CHIP CERAMIC CAP. F Z 0.01μF/50V	CHE1JZB0F103
C 219	CERAMIC CAP.(AX) B K 100pF/50V	CCA1JKT0B101
C 221	SEMICONDUCTOR CAP. SR K 0.047μF/25V or	CDA1EKD0X473
	SEMICONDUCTOR CAP. SR K 0.047μF/25V	12Y2473
C 222	CERAMIC CAP.(AX) F Z 0.022μF/25V	CDA1EZT0F223
C 223	CERAMIC CAP.(AX) F Z 0.022μF/25V	CDA1EZT0F223
C 261	CERAMIC CAP.(AX) B K 1000pF/50V or	CDA1JKT0B102
	CHIP CERAMIC CAP. B K 1000pF/50V	CHE1JKB0B102

Ref. No.	Description	Part No.
C 262	CERAMIC CAP.(AX) B K 1000pF/50V or	CDA1JKT0B102
	CHIP CERAMIC CAP. B K 1000pF/50V	CHE1JKB0B102
C 263	ELECTROLYTIC CAP. 10μF/16V M H7 or	CE1CMASSL100
	ELECTROLYTIC CAP. 10μF/16V M H7	526T106S
C 271	CERAMIC CAP.(AX) B K 220pF/50V	CCA1JKT0B221
C 272	CERAMIC CAP.(AX) B K 220pF/50V or	CCA1JKT0B221
	CHIP CERAMIC CAP. SL J 220pF/50V	CHE1JJBSL221
C 273	CERAMIC CAP.(AX) B K 220pF/50V	CCA1JKT0B221
C 274	CERAMIC CAP. CH J 22pF/50V or	CCD1JJSCH220
	CHIP CERAMIC CAP. CH J 22pF/50V	CHE1JJBCH220
C 275	CERAMIC CAP. CH J 22pF/50V or	CCD1JJSCH220
	CHIP CERAMIC CAP. CH J 22pF/50V	CHE1JJBCH220
C 279	ELECTROLYTIC CAP. 10μF/16V M	CE1CMASDL100
C 280	CERAMIC CAP.(AX) B K 100pF/50V	CCA1JKT0B101
C 282	ELECTROLYTIC CAP. 1μF/50V M	CE1JMASDL010
C 283	CERAMIC CAP.(AX) F Z 0.01μF/25V	CDA1EZT0F103
C 284	CERAMIC CAP.(AX) X K 1500pF/16V or	CDA1CKT0X152
	CHIP CERAMIC CAP. B K 1500pF/50V	CHE1JKB0B152
C 291	ELECTROLYTIC CAP. 33μF/6.3V M H7	CE0KMASSL330
C 301	ELECTROLYTIC CAP. 0.47μF/50V M	CE1JMASDLR47
C 302	ELECTROLYTIC CAP. 0.1μF/50V M	CE1JMASDLR10
C 303	ELECTROLYTIC CAP. 0.47μF/50V M	CE1JMASDLR47
C 304	ELECTROLYTIC CAP. 47μF/16V M	CE1CMASDL470
C 305	CERAMIC CAP.(AX) F Z 0.01μF/25V	CDA1EZT0F103
C 306	ELECTROLYTIC CAP. 100μF/10V M	CE1AMASDL101
C 307	CERAMIC CAP.(AX) F Z 0.01μF/25V or	CDA1EZT0F103
	CHIP CERAMIC CAP. F Z 0.01μF/50V	CHE1JZB0F103
C 308	ELECTROLYTIC CAP. 10μF/50V M	CE1JMASDL100
C 309	ELECTROLYTIC CAP. 1μF/50V M	CE1JMASDL010
C 310	PORIESTER FILM CAP. 0.01μF/50V K or	CA1J103LL007
	MYLAR CAP. 0.01μF/50V J or	CMA1JJS00103
	MYLAR CAP. 0.01μF/50V K or	2250103S
	MYLAR CAP. 0.01μF/50V K	1250103S
C 311	ELECTROLYTIC CAP. 100μF/10V M	CE1AMASDL101
C 312	PORIESTER FILM CAP. 0.01μF/50V K or	CA1J103LL007
	MYLAR CAP. 0.01μF/50V J or	CMA1JJS00103
	MYLAR CAP. 0.01μF/50V K or	2250103S
	MYLAR CAP. 0.01μF/50V K	1250103S
C 313	ELECTROLYTIC CAP. 100μF/10V M	CE1AMASDL101
C 314	ELECTROLYTIC CAP. 1μF/50V M	CE1JMASDL010
C 315	SEMICONDUCTOR CAP. SR K 0.022μF/25V or	CDA1EKS0X223
	SEMICONDUCTOR CAP. SR K 0.022μF/25V	12Y2223S
C 316	ELECTROLYTIC CAP. 0.1μF/50V M	CE1JMASDLR10
C 317	SEMICONDUCTOR CAP. SR K 0.047μF/25V or	CDA1EKS0X473
	SEMICONDUCTOR CAP. SR K 0.047μF/25V	12Y2473S
C 319	CERAMIC CAP.(AX) CH J 15pF/50V or	CCA1JJTCH150
	CHIP CERAMIC CAP. CH J 15pF/50V	CHE1JJBCH150
C 320	ELECTROLYTIC CAP. 0.1μF/50V M	CE1JMASDLR10
C 321	ELECTROLYTIC CAP. 1μF/50V M	CE1JMASDL010
C 322	SEMICONDUCTOR CAP. SR K 0.015μF/25V or	CDA1EKS0X153
	SEMICONDUCTOR CAP. SR K 0.015μF/25V	12Y2153S
C 324	ELECTROLYTIC CAP. 470μF/10V M	CE1AMASDL471
C 325	ELECTROLYTIC CAP. 0.47μF/50V M	CE1JMASDLR47
C 326	SEMICONDUCTOR CAP. SR K 0.01μF/25V or	CDA1EKS0X103
	SEMICONDUCTOR CAP. SR K 0.01μF/25V	12Y2103S
C 327	SEMICONDUCTOR CAP. SR K 0.01μF/25V or	CDA1EKS0X103
	SEMICONDUCTOR CAP. SR K 0.01μF/25V	12Y2103S
C 328	ELECTROLYTIC CAP. 0.47μF/50V M	CE1JMASDLR47
C 331	CERAMIC CAP.(AX) SL J 47pF/50V	CCA1JJTSL470
C 332	ELECTROLYTIC CAP. 100μF/10V M	CE1AMASDL101
C 333	ELECTROLYTIC CAP. 470μF/10V M	CE1AMASDL471
C 334	ELECTROLYTIC CAP. 10μF/50V M	CE1JMASDL100
C 335	CERAMIC CAP.(AX) B K 1000pF/50V or	CDA1JKT0B102
	CHIP CERAMIC CAP. B K 1000pF/50V	CHE1JKB0B102
C 336	ELECTROLYTIC CAP. 100μF/10V M	CE1AMASDL101
C 337	ELECTROLYTIC CAP. 10μF/16V M	CE1CMASDL100

Ref. No.	Description	Part No.
C 338	CERAMIC CAP.(AX) F Z 0.01μF/25V	CDA1EZT0F103
C 340	CERAMIC CAP.(AX) CH J 12pF/50V or	CCA1JJTCH120
	CHIP CERAMIC CAP. CH J 12pF/50V	CHE1JJBCH120
C 342	CERAMIC CAP.(AX) SL J 39pF/50V or	CCA1JJTSL390
	CHIP CERAMIC CAP. SL J 39pF/50V	CHE1JJBSL390
C 343	ELECTROLYTIC CAP. 10μF/50V M	CE1JMASDL100
C 344	CERAMIC CAP.(AX) X K 1800pF/16V	CDA1CKT0X182
C 345	ELECTROLYTIC CAP. 0.47μF/50V M	CE1JMASDLR47
C 346	PORIESTER FILM CAP. 0.01μF/50V K or	CA1J103LL007
	MYLAR CAP. 0.01μF/50V J or	CMA1JJS00103
	MYLAR CAP. 0.01μF/50V K or	2250103S
	MYLAR CAP. 0.01μF/50V K	1250103S
C 347	ELECTROLYTIC CAP. 0.1μF/50V M	CE1JMASDLR10
C 348	ELECTROLYTIC CAP. 0.1μF/50V M	CE1JMASDLR10
C 349	ELECTROLYTIC CAP. 10μF/50V M	CE1JMASDL100
C 350	CERAMIC CAP.(AX) F Z 0.01μF/25V or	CDA1EZT0F103
	CHIP CERAMIC CAP. F Z 0.01μF/50V	CHE1JZB0F103
C 351	PORIESTER FILM CAP. 0.047μF/50V K or	CA1J473LL007
	MYLAR CAP. 0.047μF/50V J or	CMA1JJS00473
	MYLAR CAP. 0.047μF/50V K or	2250473S
	MYLAR CAP. 0.047μF/50V K	1250473S
C 352	CERAMIC CAP.(AX) B K 220pF/50V or	CCA1JKT0B221
	CERAMIC CAP.(AX) B K 220pF/50V	CCA1JKT0B221
C 353	CERAMIC CAP.(AX) B K 220pF/50V	CCA1JKT0B221
C 354	CERAMIC CAP.(AX) B K 220pF/50V	CCA1JKT0B221
C 361	ELECTROLYTIC CAP. 100μF/10V M	CE1AMASDL101
C 362	CERAMIC CAP.(AX) F Z 0.01μF/25V or	CDA1EZT0F103
	CHIP CERAMIC CAP. F Z 0.01μF/50V	CHE1JZB0F103
C 363	ELECTROLYTIC CAP. 100μF/10V M	CE1AMASDL101
C 364	CERAMIC CAP.(AX) F Z 0.01μF/25V or	CDA1EZT0F103
	CHIP CERAMIC CAP. F Z 0.01μF/50V	CHE1JZB0F103
C 365	CERAMIC CAP.(AX) F Z 0.01μF/25V	CDA1EZT0F103
C 366	CERAMIC CAP.(AX) F Z 0.01μF/25V or	CDA1EZT0F103
	CHIP CERAMIC CAP. F Z 0.01μF/50V	CHE1JZB0F103
C 367	PORIESTER FILM CAP. 0.22μF/50V J or	CA1J224LL006
	MYLAR CAP. 0.22μF/50V J or	CMA1JJS00224
	FILM CAP. 0.22μF/50V J or	122Z313S
	STACKED METALLIZED FILM CAP. 0.22μF/50V J	125U224S
C 400	SEMICONDUCTOR CAP. SR K 0.022μF/25V or	CDA1EKS0X223
	SEMICONDUCTOR CAP. SR K 0.022μF/25V	12Y2223S
C 402	CERAMIC CAP.(AX) B K 180pF/50V or	CCA1JKT0B181
	CHIP CERAMIC CAP. SL J 180pF/50V	CHE1JJBSL181
C 403	CERAMIC CAP.(AX) SL J 33pF/50V or	CCA1JJTSL330
	CHIP CERAMIC CAP. SL J 33pF/50V	CHE1JJBSL330
C 404	CERAMIC CAP.(AX) SL J 47pF/50V or	CCA1JJTSL470
	CHIP CERAMIC CAP. SL J 47pF/50V	CHE1JJBSL470
C 405	CERAMIC CAP.(AX) B K 120pF/50V	CCA1JKT0B121
C 406	CERAMIC CAP.(AX) SL J 22pF/50V	CCA1JJTSL220
C 407	ELECTROLYTIC CAP. 1.0μF/50V M H7 or	CE1JMASSL1R0
	ELECTROLYTIC CAP. 1μF/50V M H7	526W105S
C 408	CERAMIC CAP.(AX) F Z 0.01μF/25V or	CDA1EZT0F103
	CHIP CERAMIC CAP. F Z 0.01μF/50V	CHE1JZB0F103
C 409	CERAMIC CAP.(AX) B K 390pF/50V	CCA1JKT0B391
C 410	CERAMIC CAP.(AX) SL J 36pF/50V	CCA1JJTSL360
C 411	CERAMIC CAP.(AX) B K 100pF/50V or	CCA1JKT0B101
	CHIP CERAMIC CAP. SL J 100pF/50V	CHE1JJBSL101
C 412	ELECTROLYTIC CAP. 10μF/16V M H7 or	CE1CMASSL100
	ELECTROLYTIC CAP. 10μF/16V M H7	526T106S
C 413	ELECTROLYTIC CAP. 10μF/16V M H7 or	CE1CMASSL100
	ELECTROLYTIC CAP. 10μF/16V M H7	526T106S
C 414	CERAMIC CAP.(AX) F Z 0.1μF/50V or	CCA1JZT0F104
	CHIP CERAMIC CAP. F Z 0.1μF/50V	CHE1JZB0F104
C 415	CERAMIC CAP.(AX) F Z 0.022μF/25V	CDA1EZT0F223
C 416	CERAMIC CAP.(AX) SL J 68pF/50V	CCA1JJTSL680
C 418	CERAMIC CAP.(AX) SL J 27pF/50V or	CCA1JJTSL270

Ref. No.	Description	Part No.
	CHIP CERAMIC CAP. SL J 27pF/50V	CHE1JJBSL270
C 419	CERAMIC CAP.(AX) B K 270pF/50V	CCA1JKT0B271
C 420	ELECTROLYTIC CAP. 1.0μF/50V M H7 or	CE1JMASSL1R0
	ELECTROLYTIC CAP. 1μF/50V M H7	526W105S
C 421	SEMICONDUCTOR CAP. SR K 0.01μF/25V or	CDA1EKS0X103
	SEMICONDUCTOR CAP. SR K 0.01μF/25V	12Y2103S
C 422	ELECTROLYTIC CAP. 1.0μF/50V M H7 or	CE1JMASSL1R0
	ELECTROLYTIC CAP. 1μF/50V M H7	526W105S
C 423	CERAMIC CAP.(AX) CH J 15pF/50V	CCA1JJTCH150
C 424	CERAMIC CAP.(AX) CH J 15pF/50V	CCA1JJTCH150
C 425	CERAMIC CAP.(AX) F Z 0.01μF/25V	CDA1EZT0F103
C 426	ELECTROLYTIC CAP. 1.0μF/50V M H7 or	CE1JMASSL1R0
	ELECTROLYTIC CAP. 1μF/50V M H7	526W105S
C 427	SEMICONDUCTOR CAP. SR K 0.022μF/25V or	CDA1EKS0X223
	SEMICONDUCTOR CAP. SR K 0.022μF/25V	12Y2223S
C 428	ELECTROLYTIC CAP. 4.7μF/25V M H7 or	CE1EMASSL4R7
	ELECTROLYTIC CAP. 4.7μF/25V M H7	526U475S
C 432	CERAMIC CAP.(AX) F Z 0.1μF/50V	CCA1JZT0F104
C 433	CERAMIC CAP.(AX) SL J 56pF/50V or	CCA1JJTSL560
	CHIP CERAMIC CAP. SL J 56pF/50V	CHE1JJBSL560
C 434	CERAMIC CAP.(AX) SL J 22pF/50V or	CCA1JJTSL220
	CHIP CERAMIC CAP. SL J 22pF/50V	CHE1JJBSL220
C 435	CERAMIC CAP.(AX) F Z 0.1μF/50V or	CCA1JZT0F104
	CHIP CERAMIC CAP. F Z 0.1μF/50V	CHE1JZB0F104
C 437	CERAMIC CAP.(AX) SL J 33pF/50V or	CCA1JJTSL330
	CHIP CERAMIC CAP. SL J 33pF/50V	CHE1JJBSL330
C 438	CERAMIC CAP.(AX) SL J 39pF/50V or	CCA1JJTSL390
	CHIP CERAMIC CAP. SL J 39pF/50V	CHE1JJBSL390
C 439	CERAMIC CAP.(AX) SL J 33pF/50V or	CCA1JJTSL330
	CHIP CERAMIC CAP. SL J 33pF/50V	CHE1JJBSL330
C 440	CERAMIC CAP.(AX) SL J 27pF/50V or	CCA1JJTSL270
	CHIP CERAMIC CAP. SL J 27pF/50V	CHE1JJBSL270
C 441	CERAMIC CAP.(AX) F Z 0.01μF/25V	CDA1EZT0F103
C 442	ELECTROLYTIC CAP. 4.7μF/25V M H7 or	CE1EMASSL4R7
	ELECTROLYTIC CAP. 4.7μF/25V M H7	526U475S
C 443	ELECTROLYTIC CAP. 10μF/16V M H7 or	CE1CMASSL100
	ELECTROLYTIC CAP. 10μF/16V M H7	526T106S
C 444	ELECTROLYTIC CAP. 4.7μF/50V M H7 or	CE1JMASSL4R7
	ELECTROLYTIC CAP. 4.7μF/50V M H7	526W475S
C 445	CERAMIC CAP.(AX) SL J 68pF/50V	CCA1JJTSL680
C 446	ELECTROLYTIC CAP. 0.1μF/50V M H7 or	CE1JMASSL0R1
	ELECTROLYTIC CAP. 0.1μF/50V M H7	526W104S
C 447	CERAMIC CAP.(AX) B K 150pF/50V or	CCA1JKT0B151
	CHIP CERAMIC CAP. SL J 150pF/50V	CHE1JJBSL151
C 448	CERAMIC CAP.(AX) SL J 39pF/50V or	CCA1JJTSL390
	CHIP CERAMIC CAP. SL J 39pF/50V	CHE1JJBSL390
C 449	CERAMIC CAP.(AX) F Z 0.022μF/25V or	CDA1EZT0F223
	CHIP CERAMIC CAP. F Z 0.022μF/50V	CHE1JZB0F223
C 450	CERAMIC CAP.(AX) F Z 0.1μF/50V or	CCA1JZT0F104
	CHIP CERAMIC CAP. F Z 0.1μF/50V	CHE1JZB0F104
C 451	ELECTROLYTIC CAP. 220μF/6.3V M H7	CE0KMASSL221
C 454	CERAMIC CAP.(AX) SL J 36pF/50V	CCA1JJTSL360
C 455	CERAMIC CAP.(AX) F Z 0.01μF/25V or	CDA1EZT0F103
	CHIP CERAMIC CAP. F Z 0.01μF/50V	CHE1JZB0F103
C 456	ELECTROLYTIC CAP. 470μF/10V M	CE1AMASDL471
C 457	ELECTROLYTIC CAP. 100μF/16V M H7 or	CE1CMASSL101
	ELECTROLYTIC CAP. 100μF/16V M H7	526T107S
C 459	CERAMIC CAP.(AX) F Z 0.1μF/50V or	CCA1JZT0F104
	CHIP CERAMIC CAP. F Z 0.1μF/50V	CHE1JZB0F104
C 481	CERAMIC CAP.(AX) F Z 0.047μF/50V or	CCA1JZT0F473
	CHIP CERAMIC CAP. F Z 0.047μF/50V	CHE1JZB0F473
C 482	SEMICONDUCTOR CAP. SR K 0.01μF/25V or	CDA1EKS0X103
	SEMICONDUCTOR CAP. SR K 0.01μF/25V	12Y2103S
C 483	CERAMIC CAP.(AX) SL J 22pF/50V or	CCA1JJTSL220
	CHIP CERAMIC CAP. SL J 22pF/50V	CHE1JJBSL220
C 484	CERAMIC CAP.(AX) SL J 39pF/50V	CCA1JJTSL390

Ref. No.	Description	Part No.
C 485	CERAMIC CAP.(AX) CH J 15pF/50V	CCA1JJTCH150
C 486	SEMICONDUCTOR CAP. SR K 0.01μF/25V or	CDA1EKS0X103
	SEMICONDUCTOR CAP. SR K 0.01μF/25V	12Y2103S
C 487	ELECTROLYTIC CAP. 1.0μF/50V M H7 or	CE1JMASSL1R0
	ELECTROLYTIC CAP. 1μF/50V M H7	526W105S
C 488	CERAMIC CAP.(AX) F Z 0.01μF/25V or	CDA1EZT0F103
	CHIP CERAMIC CAP. F Z 0.01μF/50V	CHE1JZB0F103
C 489	CERAMIC CAP.(AX) F Z 0.01μF/25V	CDA1EZT0F103
C 490	CERAMIC CAP.(AX) F Z 0.1μF/50V or	CCA1JZT0F104
	CHIP CERAMIC CAP. F Z 0.1μF/50V	CHE1JZB0F104
C 491	CERAMIC CAP.(AX) F Z 0.047μF/50V or	CCA1JZT0F473
	CHIP CERAMIC CAP. F Z 0.047μF/50V	CHE1JZB0F473
C 492	ELECTROLYTIC CAP. 22μF/50V M H7 or	CE1JMASSL220
	ELECTROLYTIC CAP. 22μF/50V M H7	526W226S
C 493	ELECTROLYTIC CAP. 1.0μF/50V M H7 or	CE1JMASSL1R0
	ELECTROLYTIC CAP. 1μF/50V M H7	526W105S
C 495	CERAMIC CAP.(AX) CH J 15pF/50V or	CCA1JJTCH150
	CERAMIC CAP.(AX) CH J 15pF/50V	CCA1JJTCH150
C 496	CERAMIC CAP.(AX) X K 2200pF/16V	CDA1CKT0X222
C 586	CERAMIC CAP.(AX) X K 2200pF/16V	CDA1CKT0X222
C 652	ELECTROLYTIC CAP. 10μF/16V M	CE1CMASDL100
C 653	ELECTROLYTIC CAP. 100μF/16V M	CE1CMASDL101
C 661	ELECTROLYTIC CAP. 10μF/16V M	CE1CMASDL100
C 662	ELECTROLYTIC CAP. 100μF/16V M	CE1CMASDL101
C 663	ELECTROLYTIC CAP. 100μF/10V M	CE1AMASDL101
C 664	ELECTROLYTIC CAP. 100μF/10V M	CE1AMASDL101
C 665	ELECTROLYTIC CAP. 220μF/10V M	CE1AMASDL221
C 666	ELECTROLYTIC CAP. 47μF/16V M	CE1CMASDL470
C 701	ELECTROLYTIC CAP. 47μF/16V M	CE1CMASDL470
C 702	ELECTROLYTIC CAP. 1μF/50V M	CE1JMASDL010
C 703	ELECTROLYTIC CAP. 0.47μF/50V M	CE1JMASDLR47
C 704	CERAMIC CAP.(AX) X K 3300pF/16V	CDA1CKT0X332
C 709	ELECTROLYTIC CAP. 10μF/50V M	CE1JMASDL100
C 710	CERAMIC CAP.(AX) X K 3300pF/16V or	CDA1CKT0X332
	CHIP CERAMIC CAP. B K 3300pF/50V	CHE1JKB0B332
C 711	ELECTROLYTIC CAP. 0.47μF/50V M	CE1JMASDLR47
C 800	ELECTROLYTIC CAP. 1μF/50V M	CE1JMASDL010
C 801	ELECTROLYTIC CAP. 470μF/16V M	CE1CMASDL471
C 802	SEMICONDUCTOR CAP. SR K 0.01μF/25V or	CDA1EKS0X103
	SEMICONDUCTOR CAP. SR K 0.01μF/25V	12Y2103S
C 803	ELECTROLYTIC CAP. 10μF/50V M H7	CE1JMASSL100
C 804	ELECTROLYTIC CAP. 100μF/16V M	CE1CMASDL101
C 805	ELECTROLYTIC CAP. 330μF/16V M	CE1CMASDL331
C 806	CERAMIC CAP.(AX) B K 560pF/50V or	CCA1JKT0B561
	CHIP CERAMIC CAP. B K 560pF/50V	CHE1JKB0B561
C 851	ELECTROLYTIC CAP. 10μF/16V M H7 or	CE1CMASSL100
	ELECTROLYTIC CAP. 10μF/16V M H7	526T106S
C 852	MYLAR CAP. 0.022μF/100V J or	CMA2AJS00223
	MYLAR CAP. 0.022μF/100V J	1255223S
C 853	ELECTROLYTIC CAP. 47μF/16V M H7 or	CE1CMASSL470
	ELECTROLYTIC CAP. 47μF/16V M H7	526T476S
C 854	SEMICONDUCTOR CAP. SR K 0.01μF/25V or	CDA1EKS0X103
	SEMICONDUCTOR CAP. SR K 0.01μF/25V	12Y2103S
C 855	SEMICONDUCTOR CAP. SR K 0.01μF/25V or	CDA1EKS0X103
	SEMICONDUCTOR CAP. SR K 0.01μF/25V	12Y2103S
C 856	ELECTROLYTIC CAP. 4.7μF/25V M H7 or	CE1EMASSL4R7
	ELECTROLYTIC CAP. 4.7μF/25V M H7	526U475S
C 857	ELECTROLYTIC CAP. 22μF/16V M H7 or	CE1CMASSL220
	ELECTROLYTIC CAP. 22μF/16V M H7	526T226S
C 858	CERAMIC CAP.(AX) Y K 0.01μF/16V or	CDA1CKT0Y103
	CHIP CERAMIC CAP. B K 0.01μF/50V	CHE1JKB0B103
C 859	CERAMIC CAP.(AX) B K 220pF/50V or	CCA1JKT0B221
	CHIP CERAMIC CAP. SL J 220pF/50V	CHE1JJBSL221
C 860	ELECTROLYTIC CAP. 0.1μF/50V M H7 or	CE1JMASSL0R1
	ELECTROLYTIC CAP. 0.1μF/50V M H7	526W104S
C 861	CERAMIC CAP.(AX) X K 2700pF/16V or	CDA1CKT0X272

Ref. No.	Description	Part No.
	CHIP CERAMIC CAP. B K 2700pF/50V	CHE1JKB0B272
C 862	ELECTROLYTIC CAP. 0.1μF/50V M H7 or	CE1JMASSL0R1
	ELECTROLYTIC CAP. 0.1μF/50V M H7	526W104S
C 863	ELECTROLYTIC CAP. 3.3μF/50V M H7 or	CE1JMASSL3R3
	ELECTROLYTIC CAP. 3.3μF/50V M H7	526W335S
C 865	ELECTROLYTIC CAP. 2.2μF/50V M H7 or	CE1JMASSL2R2
	ELECTROLYTIC CAP. 2.2μF/50V M H7	526W225S
C 866	ELECTROLYTIC CAP. 0.1μF/50V M H7 or	CE1JMASSL0R1
	ELECTROLYTIC CAP. 0.1μF/50V M H7	526W104S
C 867	ELECTROLYTIC CAP. 1.0μF/50V M H7 or	CE1JMASSL1R0
	ELECTROLYTIC CAP. 1μF/50V M H7	526W105S
C 868	CERAMIC CAP.(AX) X K 1200pF/16V or	CDA1CKT0X122
	CHIP CERAMIC CAP. B K 1200pF/50V	CHE1JKB0B122
C 869	CERAMIC CAP.(AX) X K 1800pF/16V	CDA1CKT0X182
C 870	ELECTROLYTIC CAP. 0.1μF/50V M H7 or	CE1JMASSL0R1
	ELECTROLYTIC CAP. 0.1μF/50V M H7	526W104S
C 871	ELECTROLYTIC CAP. 10μF/16V M H7 or	CE1CMASSL100
	ELECTROLYTIC CAP. 10μF/16V M H7	526T106S
C 872	CERAMIC CAP.(AX) X K 4700pF/16V or	CDA1CKT0X472
	CHIP CERAMIC CAP. B K 4700pF/50V	CHE1JKB0B472
C 972	CERAMIC CAP.(AX) F Z 0.1μF/50V or	CCA1JZT0F104
	CHIP CERAMIC CAP. F Z 0.1μF/50V	CHE1JZB0F104
C 973	ELECTROLYTIC CAP. 10μF/16V M H7 or	CE1CMASSL100
	ELECTROLYTIC CAP. 10μF/16V M H7	526T106S
C 974	ELECTROLYTIC CAP. 220μF/6.3V M H7	CE0KMASSL221
	CONNECTORS	
CN 201	STRAIGHT PIN CONNECTOR 20P IL-SDA-20P-S2T2	1770640
CN 202	STRAIGHT CONNECTOR BASE 00 8283 0412 00 000 or	J383C04UG002
	STRAIGHT PIN HEADER 4P 173981-4	1770260
CN 401	STRAIGHT PIN CONNECTOR 17P IL-SDA-17P-S2T2	1770637
CN 801	CONNECTOR BASE/LIGHT ANGLE 008283021100000 or	J383C02UG001
	ANGLE PIN HEADER 2P 173979-2	1770247
CN501A	CONNECTOR BASE 5P TUC-P05P-B1	J3TUA05TG001
CN571A	CONNECTOR BASE 9P TUC-P09P-B1	J3TUA09TG001
CN601A	CONNECTOR BASE 10P TUC-P10P-B1	J3TUA10TG001
	DIODES	
D 81	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1N4148M or	QDTZ01N4148M
	SWITCHING DIODE GMB01-BT or	GMB01BT
	DIODE 1SS176TPA7	1SS176T
D 82	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1N4148M or	QDTZ01N4148M
	SWITCHING DIODE GMB01-BT or	GMB01BT
	DIODE 1SS176TPA7	1SS176T
D 85	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1N4148M or	QDTZ01N4148M
	SWITCHING DIODE GMB01-BT or	GMB01BT
	DIODE 1SS176TPA7	1SS176T
D 151	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1N4148M or	QDTZ01N4148M
	SWITCHING DIODE GMB01-BT or	GMB01BT
	DIODE 1SS176TPA7	1SS176T
D 152	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1N4148M or	QDTZ01N4148M
	SWITCHING DIODE GMB01-BT or	GMB01BT
	DIODE 1SS176TPA7	1SS176T
D 153	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1N4148M or	QDTZ01N4148M
	SWITCHING DIODE GMB01-BT or	GMB01BT
	DIODE 1SS176TPA7	1SS176T
D 154	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1N4148M or	QDTZ01N4148M
	SWITCHING DIODE GMB01-BT or	GMB01BT

Ref. No.	Description	Part No.
	DIODE 1SS176TPA7	1SS176T
D 261	LED SLR-932C-20-AB or	QPQ80SLR932C
	LED SID1K10CXM or	QP4ZD1K10CXM
	LED LN66A.FN	QP7Z000LN66A
D 262	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1N4148M or	QDTZ01N4148M
	SWITCHING DIODE GMB01-BT or	GMB01BT
	DIODE 1SS176TPA7	1SS176T
D 263	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1N4148M or	QDTZ01N4148M
	SWITCHING DIODE GMB01-BT or	GMB01BT
	DIODE 1SS176TPA7	1SS176T
D 264	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1N4148M or	QDTZ01N4148M
	SWITCHING DIODE GMB01-BT or	GMB01BT
	DIODE 1SS176TPA7	1SS176T
D 265	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1N4148M or	QDTZ01N4148M
	SWITCHING DIODE GMB01-BT or	GMB01BT
	DIODE 1SS176TPA7	1SS176T
D 271	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1N4148M or	QDTZ01N4148M
	SWITCHING DIODE GMB01-BT or	GMB01BT
	DIODE 1SS176TPA7	1SS176T
D 272	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1N4148M or	QDTZ01N4148M
	SWITCHING DIODE GMB01-BT or	GMB01BT
	DIODE 1SS176TPA7	1SS176T
D 273	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1N4148M or	QDTZ01N4148M
	SWITCHING DIODE GMB01-BT or	GMB01BT
	DIODE 1SS176TPA7	1SS176T
D 274	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1N4148M or	QDTZ01N4148M
	SWITCHING DIODE GMB01-BT or	GMB01BT
	DIODE 1SS176TPA7	1SS176T
D 275	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1N4148M or	QDTZ01N4148M
	SWITCHING DIODE GMB01-BT or	GMB01BT
	DIODE 1SS176TPA7	1SS176T
D 276	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1N4148M or	QDTZ01N4148M
	SWITCHING DIODE GMB01-BT or	GMB01BT
	DIODE 1SS176TPA7	1SS176T
D 277	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1N4148M or	QDTZ01N4148M
	SWITCHING DIODE GMB01-BT or	GMB01BT
	DIODE 1SS176TPA7	1SS176T
D 291	LED(RED)L-FORMING CSL-501E6-MB	NP6ZCSL501E6
D 292	LED(RED)L-FORMING CSL-501E6-MB	NP6ZCSL501E6
D 301	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1N4148M or	QDTZ01N4148M
	SWITCHING DIODE GMB01-BT or	GMB01BT
	DIODE 1SS176TPA7	1SS176T
D 303	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1N4148M or	QDTZ01N4148M
	SWITCHING DIODE GMB01-BT or	GMB01BT
	DIODE 1SS176TPA7	1SS176T
D 304	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1N4148M or	QDTZ01N4148M
	SWITCHING DIODE GMB01-BT or	GMB01BT
	DIODE 1SS176TPA7	1SS176T
D 305	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1N4148M or	QDTZ01N4148M
	SWITCHING DIODE GMB01-BT or	GMB01BT
	DIODE 1SS176TPA7	1SS176T

Ref. No.	Description	Part No.
D 306	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1N4148M or	QDTZ01N4148M
	SWITCHING DIODE GMB01-BT or	GMB01BT
	DIODE 1SS176TPA7	1SS176T
D 307	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1N4148M or	QDTZ01N4148M
	SWITCHING DIODE GMB01-BT or	GMB01BT
	DIODE 1SS176TPA7	1SS176T
D 308	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1N4148M or	QDTZ01N4148M
	SWITCHING DIODE GMB01-BT or	GMB01BT
	DIODE 1SS176TPA7	1SS176T
D 309	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1N4148M or	QDTZ01N4148M
	SWITCHING DIODE GMB01-BT or	GMB01BT
	DIODE 1SS176TPA7	1SS176T
D 310	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1N4148M or	QDTZ01N4148M
	SWITCHING DIODE GMB01-BT or	GMB01BT
	DIODE 1SS176TPA7	1SS176T
D 311	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1N4148M or	QDTZ01N4148M
	SWITCHING DIODE GMB01-BT or	GMB01BT
	DIODE 1SS176TPA7	1SS176T
D 312	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1N4148M or	QDTZ01N4148M
	SWITCHING DIODE GMB01-BT or	GMB01BT
	DIODE 1SS176TPA7	1SS176T
D 401	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1N4148M or	QDTZ01N4148M
	SWITCHING DIODE GMB01-BT or	GMB01BT
	DIODE 1SS176TPA7	1SS176T
D 402	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1N4148M or	QDTZ01N4148M
	SWITCHING DIODE GMB01-BT or	GMB01BT
	DIODE 1SS176TPA7	1SS176T
D 403	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1N4148M or	QDTZ01N4148M
	SWITCHING DIODE GMB01-BT or	GMB01BT
	DIODE 1SS176TPA7	1SS176T
D 404	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1N4148M or	QDTZ01N4148M
	SWITCHING DIODE GMB01-BT or	GMB01BT
	DIODE 1SS176TPA7	1SS176T
D 406	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1N4148M or	QDTZ01N4148M
	SWITCHING DIODE GMB01-BT or	GMB01BT
	DIODE 1SS176TPA7	1SS176T
D 407	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1N4148M or	QDTZ01N4148M
	SWITCHING DIODE GMB01-BT or	GMB01BT
	DIODE 1SS176TPA7	1SS176T
D 409	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1N4148M or	QDTZ01N4148M
	SWITCHING DIODE GMB01-BT or	GMB01BT
	DIODE 1SS176TPA7	1SS176T
D 651	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1N4148M or	QDTZ01N4148M
	SWITCHING DIODE GMB01-BT or	GMB01BT
	DIODE 1SS176TPA7	1SS176T
D 653	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1N4148M or	QDTZ01N4148M
	SWITCHING DIODE GMB01-BT or	GMB01BT
	DIODE 1SS176TPA7	1SS176T
D 663	ZENER DIODE UZ-5.6BSB	QDTB0UZ5R6BS
D 664	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1N4148M or	QDTZ01N4148M
	SWITCHING DIODE GMB01-BT or	GMB01BT
	DIODE 1SS176TPA7	1SS176T
D 665	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1N4148M or	QDTZ01N4148M
	SWITCHING DIODE GMB01-BT or	GMB01BT
	DIODE 1SS176TPA7	1SS176T
D 701	ZENER DIODE UZ-9.1BSB	QDTB0UZ9R1BS
D 702	ZENER DIODE UZ-9.1BSB	QDTB0UZ9R1BS
D 703	ZENER DIODE UZ-12BSB	QDTB00UZ12BS
D 704	ZENER DIODE UZ-9.1BSB	QDTB0UZ9R1BS
D 705	ZENER DIODE UZ-9.1BSB	QDTB0UZ9R1BS
D 801	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1N4148M or	QDTZ01N4148M
	SWITCHING DIODE GMB01-BT or	GMB01BT
	DIODE 1SS176TPA7	1SS176T
D 851	ZENER DIODE UZ-7.5BSB	QDTB0UZ7R5BS
D 852	ZENER DIODE UZ-10BSA	QDTA00UZ10BS
	ICS	
IC 151	IC:COMPARATOR KIA339P or	NSBLA0SJY019
	IC:COMPARATOR KA339 or	NSBLA0SSM002
	IC:COMPARATOR NJM2901N	QSBLA0SJR040
IC 152	IC:OP-AMP. KIA324P DIP-14 or	NSBLA0SJY002
	IC:OP-AMP. KA324	NSBLA0SSM001
IC 201	IC:MICROCONTROLLER 8BIT CXP80732A-113Q	QSMQB0RSN047
IC 202	IC:MEMORY 24LC02B/P or	NSMMA0SMH003
	IC:EEPROM 2K AT24C02-10PC or	NSMMA0SAZ004
	IC:MEMORY ST24C02B6 or	NSMMA0ZSS005
	IC:MEMORY ST24C02CB1	NSMMA0ZSS003
IC 261	REEL SENSOR SG-231	PCZLAZZKK005
IC 271	IC:OSD CONTROLLER M35040-061FP	QSMQA0SMB082
IC 301	IC:CHROMA/IF 1 CHIP M52340SP	QSBLA0SMB018
IC 361	IC:1H DELAY LINE U3660M or	NSMLA0ST8001
	IC:1H DELAY LINE U3661M	NSMLA0ST8002
IC 401	IC:VIDEO LA7480	QSBLA0SSY037
IC 481	IC LC89972M	QSMLA0SSY011
IC 661	IC:REGURATOR 5V KIA7805PI	NSBLA0ZJY020
IC 662	IC:VOLTAGE REGULATOR KIA7806PI	NSBLA0ZJY038
IC 701	IC TC74HC4053AP	QSBLA0STS047
IC 801	IC:AUDIO POWER AMP KIA6278P	NSBLA0SJY022
IC 851	IC:AUDIO LA7286	QSZLA0SSY007
IC 971	IC TA7291S	14LW342
	COILS	
L 1	INDUCTOR 100µH K 5FT or	LLARKMSFS101
	INDUCTOR 100µH K 5FT or	LLARKCSTU101
	INDUCTOR 100µH K 5FT	LLARKDSKA101
L 31	INDUCTOR 1.0µH K 26T or	LLAXKATTU1R0
	INDUCTOR 1.0µH K 26T or	LLAXKDTKA1R0
	MICRO INDUCTOR 1.0µH J 7	LLAXJATTE1R0
L 201	INDUCTOR 100µH K 5FT or	LLARKMSFS101
	INDUCTOR 100µH K 5FT or	LLARKCSTU101
	INDUCTOR 100µH K 5FT	LLARKDSKA101
L 271	INDUCTOR 22µH K 26T or	LLAXKATTU220
	INDUCTOR 22µH K 26T or	LLAXKDTKA220
	MICRO INDUCTOR 22µH J 7	LLAXJATTE220
L 272	INDUCTOR 22µH K 26T or	LLAXKATTU220
	INDUCTOR 22µH K 26T or	LLAXKDTKA220
	MICRO INDUCTOR 22µH J 7	LLAXJATTE220
L 301	CASING COIL KS1336NC or	LFA07V0LH008
	VCO COIL 2218-JPS-500 or	LFA07V0SF123
	VCO COIL R12-P423	LFA07V0MM042
L 302	INDUCTOR 4.7µH K 26T or	LLAXKATTU4R7
	INDUCTOR 4.7µH K 26T or	LLAXKDTKA4R7
	MICRO INDUCTOR 4.7µH J 7	LLAXJATTE4R7
L 303	INDUCTOR 1.0µH K 26T or	LLAXKATTU1R0

Ref. No.	Description	Part No.
	INDUCTOR 1.0µH K 26T or	LLAXKDTKA1R0
	MICRO INDUCTOR 1.0µH J 7	LLAXJATTE1R0
L 304	INDUCTOR 8.2µH K 26T or	LLAXKATTU8R2
	INDUCTOR 8.2µH K 26T or	LLAXKDTKA8R2
	MICRO INDUCTOR 8.2µH J AXT	LLAXJATTE8R2
L 306	INDUCTOR 22µH K 26T or	LLAXKATTU220
	INDUCTOR 22µH K 26T or	LLAXKDTKA220
	MICRO INDUCTOR 22µH J 7	LLAXJATTE220
L 307	INDUCTOR 22µH K 26T or	LLAXKATTU220
	INDUCTOR 22µH K 26T or	LLAXKDTKA220
	MICRO INDUCTOR 22µH J 7	LLAXJATTE220
L 308	INDUCTOR 100µH K 5FT or	LLARKMSFS101
	INDUCTOR 100µH K 5FT or	LLARKCSTU101
	INDUCTOR 100µH K 5FT	LLARKDSKA101
L 400	INDUCTOR 330µH K 26T or	LLAXKATTU331
	INDUCTOR 330µH K 26T or	LLAXKDTKA331
	MICRO INDUCTOR 330µH J 7	LLAXJATTE331
L 401	INDUCTOR 68µH K 26T or	LLAXKATTU680
	INDUCTOR 68µH K 26T or	LLAXKDTKA680
	MICRO INDUCTOR 68µH J 7	LLAXJATTE680
L 402	INDUCTOR 27µH K 26T or	LLAXKATTU270
	INDUCTOR 27µH K 26T or	LLAXKDTKA270
	MICRO INDUCTOR 27µH J 7	LLAXJATTE270
L 403	INDUCTOR 33µH K 26T or	LLAXKATTU330
	INDUCTOR 33µH K 26T or	LLAXKDTKA330
	MICRO INDUCTOR 33µH J 7	LLAXJATTE330
L 404	INDUCTOR 56µH K 26T or	LLAXKATTU560
	INDUCTOR 56µH K 26T or	LLAXKDTKA560
	MICRO INDUCTOR 56µH J 7	LLAXJATTE560
L 405	INDUCTOR 27µH K 26T or	LLAXKATTU270
	INDUCTOR 27µH K 26T or	LLAXKDTKA270
	MICRO INDUCTOR 27µH J 7	LLAXJATTE270
L 406	INDUCTOR 10µH K 26T or	LLAXKATTU100
	INDUCTOR 10µH K 26T or	LLAXKDTKA100
	MICRO INDUCTOR 10µH J 7	LLAXJATTE100
L 407	INDUCTOR 82µH K 26T or	LLAXKATTU820
	INDUCTOR 82µH K 26T or	LLAXKDTKA820
	MICRO INDUCTOR 82µH J 7	LLAXJATTE820
L 408	INDUCTOR 180µH K 26T or	LLAXKATTU181
	INDUCTOR 180µH K 26T or	LLAXKDTKA181
	MICRO INDUCTOR 180µH J 7	LLAXJATTE181
L 409	INDUCTOR 330µH K 26T or	LLAXKATTU331
	INDUCTOR 330µH K 26T or	LLAXKDTKA331
	MICRO INDUCTOR 330µH J 7	LLAXJATTE331
L 410	INDUCTOR 10µH K 26T or	LLAXKATTU100
	INDUCTOR 10µH K 26T or	LLAXKDTKA100
	MICRO INDUCTOR 10µH J 7	LLAXJATTE100
L 411	INDUCTOR 4.7µH K 5FT or	LLARKMSFS4R7
	INDUCTOR 4.7µH K 5FT or	LLARKBSTU4R7
	INDUCTOR 4.7µH K 5FT	LLARKDSKA4R7
L 412	INDUCTOR 22µH-K-5FT or	LLARKMSFS220
	INDUCTOR 22µH K 5FT or	LLARKBSTU220
	INDUCTOR 22µH K 5FT	LLARKDSKA220
L 413	INDUCTOR 330µH K 26T or	LLAXKATTU331
	INDUCTOR 330µH K 26T or	LLAXKDTKA331
	MICRO INDUCTOR 330µH J 7	LLAXJATTE331
L 414	INDUCTOR 68µH K 26T or	LLAXKATTU680
	INDUCTOR 68µH K 26T or	LLAXKDTKA680
	MICRO INDUCTOR 68µH J 7	LLAXJATTE680
L 415	INDUCTOR 47µH K or	LLARKLUTU470
	LEAD INDUCTOR 47µH K or	LLARKMPFG470
	POT COIL 47µH K	LLARKMPKV470
L 416	PCB JUMPER D0.6-P5.0	JW5.0T
L 481	PCB JUMPER D0.6-P5.0	JW5.0T
L 482	INDUCTOR 18µH K 26T or	LLAXKATTU180
	INDUCTOR 18µH K 26T or	LLAXKDTKA180
	MICRO INDUCTOR 18µH J 7	LLAXJATTE180
L 483	INDUCTOR 47µH K 26T or	LLAXKATTU470
	INDUCTOR 47µH K 26T or	LLAXKDTKA470
	MICRO INDUCTOR 47µH J 7	LLAXJATTE470
L 484	INDUCTOR 22µH K 26T or	LLAXKATTU220
	INDUCTOR 22µH K 26T or	LLAXKDTKA220
	MICRO INDUCTOR 22µH J 7	LLAXJATTE220
L 701	PCB JUMPER D0.6-P5.0	JW5.0T
L 711	TRAP COIL 15.75 kHz or	LFA10V0SF006
	TRAP COIL LPF-V10-A3	1812145
L 801	PCB JUMPER D0.6-P5.0	JW5.0T
L 851	COIL OSC 7L1A35N or	LFA07V0LH002
	COIL OSC 1027QM30003B7- or	LFA07V0VD003
	AUDIO OSC COIL 4328-H063	LFA07V0SF121
	TRANSISTORS	
Q 31	TRANSISTOR 2SC3000E	2SC3000EZ
Q 81	TRANSISTOR KTA1267(GR) or	NQS10KTA1267
	TRANSISTOR KTA1266(GR) or	NQS40KTA1266
	TRANSISTOR 2SA608SP(E) or	2SA608SEZ
	TRANSISTOR 2SA608SP(F) or	2SA608SFZ
	TRANSISTOR 2SA1318(T)-AANP or	2SA1318TZ
	TRANSISTOR 2SA1318(U)-AANP or	2SA1318UZ
	TRANSISTOR 2SA1015-GR-TPE2	QQS102SA1015
Q 82	TRANSISTOR KTA1267(GR) or	NQS10KTA1267
	TRANSISTOR KTA1266(GR) or	NQS40KTA1266
	TRANSISTOR 2SA608SP(E) or	2SA608SEZ
	TRANSISTOR 2SA608SP(F) or	2SA608SFZ
	TRANSISTOR 2SA1318(T)-AANP or	2SA1318TZ
	TRANSISTOR 2SA1318(U)-AANP or	2SA1318UZ
	TRANSISTOR 2SA1015-GR-TPE2	QQS102SA1015
Q 83	TRANSISTOR KTA1267(GR) or	NQS10KTA1267
	TRANSISTOR KTA1266(GR) or	NQS40KTA1266
	TRANSISTOR 2SA608SP(E) or	2SA608SEZ
	TRANSISTOR 2SA608SP(F) or	2SA608SFZ
	TRANSISTOR 2SA1318(T)-AANP or	2SA1318TZ
	TRANSISTOR 2SA1318(U)-AANP or	2SA1318UZ
	TRANSISTOR 2SA1015-GR-TPE2	QQS102SA1015
Q 84	TRANSISTOR KTC3199(GR) or	NQS10KTC3199
	TRANSISTOR KTC3198GR TO-92 or	NQS40KTC3198
	TRANSISTOR 2SC536SP(E) or	2SC536SEZ
	TRANSISTOR 2SC536SP(F) or	2SC536SFZ
	TRANSISTOR 2SC3331(T)-AANP or	2SC3331TZ
	TRANSISTOR 2SC3331(U)-AANP or	2SC3331UZ
	TRANSISTOR 2SC1815-GR-TPE2	QQS102SC1815
Q 153	TRANSISTOR KTC3199(GR) or	NQS10KTC3199
	TRANSISTOR KTC3198GR TO-92 or	NQS40KTC3198
	TRANSISTOR 2SC536SP(E) or	2SC536SEZ
	TRANSISTOR 2SC536SP(F) or	2SC536SFZ
	TRANSISTOR 2SC3331(T)-AANP or	2SC3331TZ
	TRANSISTOR 2SC3331(U)-AANP or	2SC3331UZ
	TRANSISTOR 2SC1815-GR-TPE2	QQS102SC1815
Q 201	TRANSISTOR KTC3199(GR) or	NQS10KTC3199
	TRANSISTOR KTC3198GR TO-92 or	NQS40KTC3198
	TRANSISTOR 2SC536SP(E) or	2SC536SEZ
	TRANSISTOR 2SC536SP(F) or	2SC536SFZ
	TRANSISTOR 2SC3331(T)-AANP or	2SC3331TZ
	TRANSISTOR 2SC3331(U)-AANP or	2SC3331UZ
	TRANSISTOR 2SC1815-GR-TPE2	QQS102SC1815
Q 202	RES. BUILT-IN TRANSISTOR KRC103M or	NQSZ0KRC103M
	RES. BUILT-IN TRANSISTOR 2SC3400	2SC3400Z
Q 203	RES. BUILT-IN TRANSISTOR KRA103M or	NQSZ0KRA103M
	RES. BUILT-IN TRANSISTOR 2SA1346	2SA1346Z
Q 204	RES. BUILT-IN TRANSISTOR KRA103M or	NQSZ0KRA103M
	RES. BUILT-IN TRANSISTOR 2SA1346	2SA1346Z
Q 205	TRANSISTOR KTC3199(GR) or	NQS10KTC3199
	TRANSISTOR KTC3198GR TO-92 or	NQS40KTC3198

Ref. No.	Description	Part No.
	TRANSISTOR 2SC536SP(E) or	2SC536SEZ
	TRANSISTOR 2SC536SP(F) or	2SC536SFZ
	TRANSISTOR 2SC3331(T)-AANP or	2SC3331TZ
	TRANSISTOR 2SC3331(U)-AANP or	2SC3331UZ
	TRANSISTOR 2SC1815-GR-TPE2	QQS102SC1815
Q 261	PHOTO TRANSISTOR PT380FB	QP4B00PT380F
Q 262	PHOTO TRANSISTOR PT380FB	QP4B00PT380F
Q 272	TRANSISTOR KTC3199(GR) or	NQS10KTC3199
	TRANSISTOR KTC3198GR TO-92 or	NQS40KTC3198
	TRANSISTOR 2SC536SP(E) or	2SC536SEZ
	TRANSISTOR 2SC536SP(F) or	2SC536SFZ
	TRANSISTOR 2SC3331(T)-AANP or	2SC3331TZ
	TRANSISTOR 2SC3331(U)-AANP or	2SC3331UZ
	TRANSISTOR 2SC1815-GR-TPE2	QQS102SC1815
Q 273	TRANSISTOR KTC3199(GR) or	NQS10KTC3199
	TRANSISTOR KTC3198GR TO-92 or	NQS40KTC3198
	TRANSISTOR 2SC536SP(E) or	2SC536SEZ
	TRANSISTOR 2SC536SP(F) or	2SC536SFZ
	TRANSISTOR 2SC3331(T)-AANP or	2SC3331TZ
	TRANSISTOR 2SC3331(U)-AANP or	2SC3331UZ
	TRANSISTOR 2SC1815-GR-TPE2	QQS102SC1815
Q 301	TRANSISTOR KTA1267(GR) or	NQS10KTA1267
	TRANSISTOR KTA1266(GR) or	NQS40KTA1266
	TRANSISTOR 2SA608SP(E) or	2SA608SEZ
	TRANSISTOR 2SA608SP(F) or	2SA608SFZ
	TRANSISTOR 2SA1318(T)-AANP or	2SA1318TZ
	TRANSISTOR 2SA1318(U)-AANP or	2SA1318UZ
	TRANSISTOR 2SA1015-GR-TPE2	QQS102SA1015
Q 302	TRANSISTOR KTC3199(GR) or	NQS10KTC3199
	TRANSISTOR KTC3198GR TO-92 or	NQS40KTC3198
	TRANSISTOR 2SC536SP(E) or	2SC536SEZ
	TRANSISTOR 2SC536SP(F) or	2SC536SFZ
	TRANSISTOR 2SC3331(T)-AANP or	2SC3331TZ
	TRANSISTOR 2SC3331(U)-AANP or	2SC3331UZ
	TRANSISTOR 2SC1815-GR-TPE2	QQS102SC1815
Q 303	TRANSISTOR KTA1267(GR) or	NQS10KTA1267
	TRANSISTOR KTA1266(GR) or	NQS40KTA1266
	TRANSISTOR 2SA608SP(E) or	2SA608SEZ
	TRANSISTOR 2SA608SP(F) or	2SA608SFZ
	TRANSISTOR 2SA1318(T)-AANP or	2SA1318TZ
	TRANSISTOR 2SA1318(U)-AANP or	2SA1318UZ
	TRANSISTOR 2SA1015-GR-TPE2	QQS102SA1015
Q 304	TRANSISTOR KTA1267(GR) or	NQS10KTA1267
	TRANSISTOR KTA1266(GR) or	NQS40KTA1266
	TRANSISTOR 2SA608SP(E) or	2SA608SEZ
	TRANSISTOR 2SA608SP(F) or	2SA608SFZ
	TRANSISTOR 2SA1318(T)-AANP or	2SA1318TZ
	TRANSISTOR 2SA1318(U)-AANP or	2SA1318UZ
	TRANSISTOR 2SA1015-GR-TPE2	QQS102SA1015
Q 306	TRANSISTOR KTA1267(GR) or	NQS10KTA1267
	TRANSISTOR KTA1266(GR) or	NQS40KTA1266
	TRANSISTOR 2SA608SP(E) or	2SA608SEZ
	TRANSISTOR 2SA608SP(F) or	2SA608SFZ
	TRANSISTOR 2SA1318(T)-AANP or	2SA1318TZ
	TRANSISTOR 2SA1318(U)-AANP or	2SA1318UZ
	TRANSISTOR 2SA1015-GR-TPE2	QQS102SA1015
Q 307	TRANSISTOR KTA1267(GR) or	NQS10KTA1267
	TRANSISTOR KTA1266(GR) or	NQS40KTA1266
	TRANSISTOR 2SA608SP(E) or	2SA608SEZ
	TRANSISTOR 2SA608SP(F) or	2SA608SFZ
	TRANSISTOR 2SA1318(T)-AANP or	2SA1318TZ
	TRANSISTOR 2SA1318(U)-AANP or	2SA1318UZ
	TRANSISTOR 2SA1015-GR-TPE2	QQS102SA1015
Q 308	TRANSISTOR KTA1267(GR) or	NQS10KTA1267
	TRANSISTOR KTA1266(GR) or	NQS40KTA1266
	TRANSISTOR 2SA608SP(E) or	2SA608SEZ

Ref. No.	Description	Part No.
	TRANSISTOR 2SA608SP(F) or	2SA608SFZ
	TRANSISTOR 2SA1318(T)-AANP or	2SA1318TZ
	TRANSISTOR 2SA1318(U)-AANP or	2SA1318UZ
	TRANSISTOR 2SA1015-GR-TPE2	QQS102SA1015
Q 309	TRANSISTOR KTC3199(GR) or	NQS10KTC3199
	TRANSISTOR KTC3198GR TO-92 or	NQS40KTC3198
	TRANSISTOR 2SC536SP(E) or	2SC536SEZ
	TRANSISTOR 2SC536SP(F) or	2SC536SFZ
	TRANSISTOR 2SC3331(T)-AANP or	2SC3331TZ
	TRANSISTOR 2SC3331(U)-AANP or	2SC3331UZ
	TRANSISTOR 2SC1815-GR-TPE2	QQS102SC1815
Q 311	TRANSISTOR KTA1267(GR) or	NQS10KTA1267
	TRANSISTOR KTA1266(GR) or	NQS40KTA1266
	TRANSISTOR 2SA608SP(E) or	2SA608SEZ
	TRANSISTOR 2SA608SP(F) or	2SA608SFZ
	TRANSISTOR 2SA1318(T)-AANP or	2SA1318TZ
	TRANSISTOR 2SA1318(U)-AANP or	2SA1318UZ
	TRANSISTOR 2SA1015-GR-TPE2	QQS102SA1015
Q 312	RES. BUILT-IN TRANSISTOR KRC103M or	NQSZ0KRC103M
	RES. BUILT-IN TRANSISTOR 2SC3400	2SC3400Z
Q 313	TRANSISTOR KTC3199(GR) or	NQS10KTC3199
	TRANSISTOR KTC3198GR TO-92 or	NQS40KTC3198
	TRANSISTOR 2SC536SP(E) or	2SC536SEZ
	TRANSISTOR 2SC536SP(F) or	2SC536SFZ
	TRANSISTOR 2SC3331(T)-AANP or	2SC3331TZ
	TRANSISTOR 2SC3331(U)-AANP or	2SC3331UZ
	TRANSISTOR 2SC1815-GR-TPE2	QQS102SC1815
Q 314	TRANSISTOR KTC3199(GR) or	NQS10KTC3199
	TRANSISTOR KTC3198GR TO-92 or	NQS40KTC3198
	TRANSISTOR 2SC536SP(E) or	2SC536SEZ
	TRANSISTOR 2SC536SP(F) or	2SC536SFZ
	TRANSISTOR 2SC3331(T)-AANP or	2SC3331TZ
	TRANSISTOR 2SC3331(U)-AANP or	2SC3331UZ
	TRANSISTOR 2SC1815-GR-TPE2	QQS102SC1815
Q 401	TRANSISTOR KTA1267(GR) or	NQS10KTA1267
	TRANSISTOR KTA1266(GR) or	NQS40KTA1266
	TRANSISTOR 2SA608SP(E) or	2SA608SEZ
	TRANSISTOR 2SA608SP(F) or	2SA608SFZ
	TRANSISTOR 2SA1318(T)-AANP or	2SA1318TZ
	TRANSISTOR 2SA1318(U)-AANP or	2SA1318UZ
	TRANSISTOR 2SA1015-GR-TPE2	QQS102SA1015
Q 402	TRANSISTOR KTA1267(GR) or	NQS10KTA1267
	TRANSISTOR KTA1266(GR) or	NQS40KTA1266
	TRANSISTOR 2SA608SP(E) or	2SA608SEZ
	TRANSISTOR 2SA608SP(F) or	2SA608SFZ
	TRANSISTOR 2SA1318(T)-AANP or	2SA1318TZ
	TRANSISTOR 2SA1318(U)-AANP or	2SA1318UZ
	TRANSISTOR 2SA1015-GR-TPE2	QQS102SA1015
Q 403	RES. BUILT-IN TRANSISTOR KRA103M or	NQSZ0KRA103M
	RES. BUILT-IN TRANSISTOR 2SA1346	2SA1346Z
Q 404	RES. BUILT-IN TRANSISTOR KRC103M or	NQSZ0KRC103M
	RES. BUILT-IN TRANSISTOR 2SC3400	2SC3400Z
Q 408	TRANSISTOR KTC3193(Y) or	NQSY0KTC3193
	TRANSISTOR 2SC2839(E) or	2SC2839EZ
	TRANSISTOR 2SC2839(F)	2SC2839FZ
Q 409	TRANSISTOR KTC3193(Y) or	NQSY0KTC3193
	TRANSISTOR 2SC2839(E) or	2SC2839EZ
	TRANSISTOR 2SC2839(F)	2SC2839FZ
Q 411	TRANSISTOR KTC3199(GR) or	NQS10KTC3199
	TRANSISTOR KTC3198GR TO-92 or	NQS40KTC3198
	TRANSISTOR 2SC536SP(E) or	2SC536SEZ
	TRANSISTOR 2SC536SP(F) or	2SC536SFZ
	TRANSISTOR 2SC3331(T)-AANP or	2SC3331TZ
	TRANSISTOR 2SC3331(U)-AANP or	2SC3331UZ
	TRANSISTOR 2SC1815-GR-TPE2	QQS102SC1815
Q 412	TRANSISTOR KTA1267(GR) or	NQS10KTA1267

Ref. No.	Description	Part No.
	TRANSISTOR KTA1266(GR) or	NQS40KTA1266
	TRANSISTOR 2SA608SP(E) or	2SA608SEZ
	TRANSISTOR 2SA608SP(F) or	2SA608SFZ
	TRANSISTOR 2SA1318(T)-AANP or	2SA1318TZ
	TRANSISTOR 2SA1318(U)-AANP or	2SA1318UZ
	TRANSISTOR 2SA1015-GR-TPE2	QQS102SA1015
Q 413	TRANSISTOR KTA1267(GR) or	NQS10KTA1267
	TRANSISTOR KTA1266(GR) or	NQS40KTA1266
	TRANSISTOR 2SA608SP(E) or	2SA608SEZ
	TRANSISTOR 2SA608SP(F) or	2SA608SFZ
	TRANSISTOR 2SA1318(T)-AANP or	2SA1318TZ
	TRANSISTOR 2SA1318(U)-AANP or	2SA1318UZ
	TRANSISTOR 2SA1015-GR-TPE2	QQS102SA1015
Q 414	RES. BUILT-IN TRANSISTOR KRC103M or	NQSZ0KRC103M
	RES. BUILT-IN TRANSISTOR 2SC3400	2SC3400Z
Q 415	RES. BUILT-IN TRANSISTOR KRC103M or	NQSZ0KRC103M
	RES. BUILT-IN TRANSISTOR 2SC3400	2SC3400Z
Q 416	TRANSISTOR KTC3199(GR) or	NQS10KTC3199
	TRANSISTOR KTC3198GR TO-92 or	NQS40KTC3198
	TRANSISTOR 2SC536SP(E) or	2SC536SEZ
	TRANSISTOR 2SC536SP(F) or	2SC536SFZ
	TRANSISTOR 2SC3331(T)-AANP or	2SC3331TZ
	TRANSISTOR 2SC3331(U)-AANP or	2SC3331UZ
	TRANSISTOR 2SC1815-GR-TPE2	QQS102SC1815
Q 417	TRANSISTOR KTA1267(GR) or	NQS10KTA1267
	TRANSISTOR KTA1266(GR) or	NQS40KTA1266
	TRANSISTOR 2SA608SP(E) or	2SA608SEZ
	TRANSISTOR 2SA608SP(F) or	2SA608SFZ
	TRANSISTOR 2SA1318(T)-AANP or	2SA1318TZ
	TRANSISTOR 2SA1318(U)-AANP or	2SA1318UZ
	TRANSISTOR 2SA1015-GR-TPE2	QQS102SA1015
Q 481	TRANSISTOR KTC3199(GR) or	NQS10KTC3199
	TRANSISTOR KTC3198GR TO-92 or	NQS40KTC3198
	TRANSISTOR 2SC536SP(E) or	2SC536SEZ
	TRANSISTOR 2SC536SP(F) or	2SC536SFZ
	TRANSISTOR 2SC3331(T)-AANP or	2SC3331TZ
	TRANSISTOR 2SC3331(U)-AANP or	2SC3331UZ
	TRANSISTOR 2SC1815-GR-TPE2	QQS102SC1815
Q 661	TRANSISTOR 2SB1274(R)	Q2SB1274R000
Q 662	TRANSISTOR KTC3199(GR) or	NQS10KTC3199
	TRANSISTOR KTC3198GR TO-92 or	NQS40KTC3198
	TRANSISTOR 2SC536SP(E) or	2SC536SEZ
	TRANSISTOR 2SC536SP(F) or	2SC536SFZ
	TRANSISTOR 2SC3331(T)-AANP or	2SC3331TZ
	TRANSISTOR 2SC3331(U)-AANP or	2SC3331UZ
	TRANSISTOR 2SC1815-GR-TPE2	QQS102SC1815
Q 701	TRANSISTOR KTA1267(GR) or	NQS10KTA1267
	TRANSISTOR KTA1266(GR) or	NQS40KTA1266
	TRANSISTOR 2SA608SP(E) or	2SA608SEZ
	TRANSISTOR 2SA608SP(F) or	2SA608SFZ
	TRANSISTOR 2SA1318(T)-AANP or	2SA1318TZ
	TRANSISTOR 2SA1318(U)-AANP or	2SA1318UZ
	TRANSISTOR 2SA1015-GR-TPE2	QQS102SA1015
Q 702	TRANSISTOR KTC3199(GR) or	NQS10KTC3199
	TRANSISTOR KTC3198GR TO-92 or	NQS40KTC3198
	TRANSISTOR 2SC536SP(E) or	2SC536SEZ
	TRANSISTOR 2SC536SP(F) or	2SC536SFZ
	TRANSISTOR 2SC3331(T)-AANP or	2SC3331TZ
	TRANSISTOR 2SC3331(U)-AANP or	2SC3331UZ
	TRANSISTOR 2SC1815-GR-TPE2	QQS102SC1815
Q 703	TRANSISTOR KTA1267(GR) or	NQS10KTA1267
	TRANSISTOR KTA1266(GR) or	NQS40KTA1266
	TRANSISTOR 2SA608SP(E) or	2SA608SEZ
	TRANSISTOR 2SA608SP(F) or	2SA608SFZ
	TRANSISTOR 2SA1318(T)-AANP or	2SA1318TZ
	TRANSISTOR 2SA1318(U)-AANP or	2SA1318UZ

Ref. No.	Description	Part No.
	TRANSISTOR 2SA1015-GR-TPE2	QQS102SA1015
Q 801	RES. BUILT-IN TRANSISTOR KRC103M or	NQSZ0KRC103M
	RES. BUILT-IN TRANSISTOR 2SC3400	2SC3400Z
Q 802	RES. BUILT-IN TRANSISTOR KRC103M or	NQSZ0KRC103M
	RES. BUILT-IN TRANSISTOR 2SC3400	2SC3400Z
Q 851	TRANSISTOR KTC3199(GR) or	NQS10KTC3199
	TRANSISTOR KTC3198GR TO-92 or	NQS40KTC3198
	TRANSISTOR 2SC536SP(E) or	2SC536SEZ
	TRANSISTOR 2SC536SP(F) or	2SC536SFZ
	TRANSISTOR 2SC3331(T)-AANP or	2SC3331TZ
	TRANSISTOR 2SC3331(U)-AANP or	2SC3331UZ
	TRANSISTOR 2SC1815-GR-TPE2	QQS102SC1815
Q 852	TRANSISTOR KTC3199(GR) or	NQS10KTC3199
	TRANSISTOR KTC3198GR TO-92 or	NQS40KTC3198
	TRANSISTOR 2SC536SP(E) or	2SC536SEZ
	TRANSISTOR 2SC536SP(F) or	2SC536SFZ
	TRANSISTOR 2SC3331(T)-AANP or	2SC3331TZ
	TRANSISTOR 2SC3331(U)-AANP or	2SC3331UZ
	TRANSISTOR 2SC1815-GR-TPE2	QQS102SC1815
Q 853	RES. BUILT-IN TRANSISTOR KRC103M or	NQSZ0KRC103M
	RES. BUILT-IN TRANSISTOR 2SC3400	2SC3400Z
Q 971	TRANSISTOR KTA1267(GR) or	NQS10KTA1267
	TRANSISTOR KTA1266(GR) or	NQS40KTA1266
	TRANSISTOR 2SA608SP(E) or	2SA608SEZ
	TRANSISTOR 2SA608SP(F) or	2SA608SFZ
	TRANSISTOR 2SA1318(T)-AANP or	2SA1318TZ
	TRANSISTOR 2SA1318(U)-AANP or	2SA1318UZ
	TRANSISTOR 2SA1015-GR-TPE2	QQS102SA1015
Q 972	TRANSISTOR KTC3199(GR) or	NQS10KTC3199
	TRANSISTOR KTC3198GR TO-92 or	NQS40KTC3198
	TRANSISTOR 2SC536SP(E) or	2SC536SEZ
	TRANSISTOR 2SC536SP(F) or	2SC536SFZ
	TRANSISTOR 2SC3331(T)-AANP or	2SC3331TZ
	TRANSISTOR 2SC3331(U)-AANP or	2SC3331UZ
	TRANSISTOR 2SC1815-GR-TPE2	QQS102SC1815
	RESISTORS	
R 1	CARBON RES. 1/6W J 2.2k Ω or	RCX6JATZ0222
	CARBON RES. 1/4W J 2.2k Ω or	RCX4JATZ0222
	CARBON RES. 1/6W J 2.2k Ω or	132A222T
	CHIP RES. 1/10W J 2.2k Ω	RRXAJBBZ0222
R 2	CARBON RES. 1/6W J 22k Ω or	RCX6JATZ0223
	CARBON RES. 1/4W J 22k Ω or	RCX4JATZ0223
	CARBON RES. 1/6W J 22k Ω or	132A223T
	CHIP RES. 1/10W J 22k Ω	RRXAJBBZ0223
R 31	CARBON RES. 1/6W J 100 Ω or	RCX6JATZ0101
	CARBON RES. 1/4W J 100 Ω or	RCX4JATZ0101
	CARBON RES. 1/6W J 100 Ω	132A101T
R 32	CARBON RES. 1/6W J 82 Ω or	RCX6JATZ0820
	CARBON RES. 1/4W J 82 Ω or	RCX4JATZ0820
	CARBON RES. 1/6W J 82 Ω or	132A820T
	CHIP RES. 1/10W J 82 Ω	RRXAJBBZ0820
R 33	CARBON RES. 1/6W J 6.8k Ω or	RCX6JATZ0682
	CARBON RES. 1/4W J 6.8k Ω or	RCX4JATZ0682
	CARBON RES. 1/6W J 6.8k Ω or	132A682T
	CHIP RES. 1/10W J 6.8k Ω	RRXAJBBZ0682
R 34	CARBON RES. 1/6W J 1.5k Ω or	RCX6JATZ0152
	CARBON RES. 1/4W J 1.5k Ω or	RCX4JATZ0152
	CARBON RES. 1/6W J 1.5k Ω or	132A152T
	CHIP RES. 1/10W J 1.5k Ω	RRXAJBBZ0152
R 35	CARBON RES. 1/6W J 330 Ω or	RCX6JATZ0331
	CARBON RES. 1/4W J 330 Ω or	RCX4JATZ0331
	CARBON RES. 1/6W J 330 Ω or	132A331T
	CHIP RES. 1/10W J 330 Ω	RRXAJBBZ0331
R 36	CARBON RES. 1/6W J 33 Ω or	RCX6JATZ0330
	CARBON RES. 1/4W J 33 Ω or	RCX4JATZ0330
	CARBON RES. 1/6W J 33 Ω	132A330T

Ref. No.	Description	Part No.
R 81	CARBON RES. 1/6W J 4.7 Ω or	RCX6JATZ04R7
	CARBON RES. 1/4W J 4.7 Ω or	RCX4JATZ04R7
	CARBON RES. 1/6W J 4.7 Ω	132A479T
R 82	CARBON RES. 1/6W J 22k Ω or	RCX6JATZ0223
	CARBON RES. 1/4W J 22k Ω or	RCX4JATZ0223
	CARBON RES. 1/6W J 22k Ω	132A223T
R 83	CARBON RES. 1/6W J 22k Ω or	RCX6JATZ0223
	CARBON RES. 1/4W J 22k Ω or	RCX4JATZ0223
	CARBON RES. 1/6W J 22k Ω	132A223T
R 84	CARBON RES. 1/6W J 22k Ω or	RCX6JATZ0223
	CARBON RES. 1/4W J 22k Ω or	RCX4JATZ0223
	CARBON RES. 1/6W J 22k Ω	132A223T
R 85	CARBON RES. 1/6W J 22k Ω or	RCX6JATZ0223
	CARBON RES. 1/4W J 22k Ω or	RCX4JATZ0223
	CARBON RES. 1/6W J 22k Ω or	132A223T
	CHIP RES. 1/10W J 22k Ω	RRXAJBBZ0223
R 86	CARBON RES. 1/6W J 4.7k Ω or	RCX6JATZ0472
	CARBON RES. 1/4W J 4.7k Ω or	RCX4JATZ0472
	CARBON RES. 1/6W J 4.7k Ω	132A472T
R 87	CARBON RES. 1/6W J 22k Ω or	RCX6JATZ0223
	CARBON RES. 1/4W J 22k Ω or	RCX4JATZ0223
	CARBON RES. 1/6W J 22k Ω or	132A223T
	CHIP RES. 1/10W J 22k Ω	RRXAJBBZ0223
R 88	CARBON RES. 1/6W J 4.7k Ω or	RCX6JATZ0472
	CARBON RES. 1/4W J 4.7k Ω or	RCX4JATZ0472
	CARBON RES. 1/6W J 4.7k Ω or	132A472T
	CHIP RES. 1/10W J 4.7k Ω	RRXAJBBZ0472
R 89	CARBON RES. 1/6W J 10k Ω or	RCX6JATZ0103
	CARBON RES. 1/4W J 10k Ω or	RCX4JATZ0103
	CARBON RES. 1/6W J 10k Ω or	132A103T
	CHIP RES. 1/10W J 10k Ω	RRXAJBBZ0103
R 90	CARBON RES. 1/6W J 5.6k Ω or	RCX6JATZ0562
	CARBON RES. 1/4W J 5.6k Ω or	RCX4JATZ0562
	CARBON RES. 1/6W J 5.6k Ω or	132A562T
	CHIP RES. 1/10W J 5.6k Ω	RRXAJBBZ0562
R 91	CARBON RES. 1/6W J 5.6k Ω or	RCX6JATZ0562
	CARBON RES. 1/4W J 5.6k Ω or	RCX4JATZ0562
	CARBON RES. 1/6W J 5.6k Ω	132A562T
R 92	CARBON RES. 1/6W J 22k Ω or	RCX6JATZ0223
	CARBON RES. 1/4W J 22k Ω or	RCX4JATZ0223
	CARBON RES. 1/6W J 22k Ω or	132A223T
	CHIP RES. 1/10W J 22k Ω	RRXAJBBZ0223
R 93	CARBON RES. 1/6W J 10k Ω or	RCX6JATZ0103
	CARBON RES. 1/4W J 10k Ω or	RCX4JATZ0103
	CARBON RES. 1/6W J 10k Ω	132A103T
R 94	CARBON RES. 1/6W J 22k Ω or	RCX6JATZ0223
	CARBON RES. 1/4W J 22k Ω or	RCX4JATZ0223
	CARBON RES. 1/6W J 22k Ω or	132A223T
	CHIP RES. 1/10W J 22k Ω	RRXAJBBZ0223
R 95	CARBON RES. 1/6W J 15k Ω or	RCX6JATZ0153
	CARBON RES. 1/4W J 15k Ω or	RCX4JATZ0153
	CARBON RES. 1/6W J 15k Ω	132A153T
R 96	CARBON RES. 1/6W J 15k Ω or	RCX6JATZ0153
	CARBON RES. 1/4W J 15k Ω or	RCX4JATZ0153
	CARBON RES. 1/6W J 15k Ω	132A153T
R 97	CARBON RES. 1/6W J 4.7k Ω or	RCX6JATZ0472
	CARBON RES. 1/4W J 4.7k Ω or	RCX4JATZ0472
	CARBON RES. 1/6W J 4.7k Ω	132A472T
R 151	CARBON RES. 1/6W J 10k Ω or	RCX6JATZ0103
	CARBON RES. 1/4W J 10k Ω or	RCX4JATZ0103
	CARBON RES. 1/6W J 10k Ω or	132A103T
	CHIP RES. 1/10W J 10k Ω	RRXAJBBZ0103
R 152	CARBON RES. 1/6W J 10k Ω or	RCX6JATZ0103
	CARBON RES. 1/4W J 10k Ω or	RCX4JATZ0103
	CARBON RES. 1/6W J 10k Ω or	132A103T
	CHIP RES. 1/10W J 10k Ω	RRXAJBBZ0103

Ref. No.	Description	Part No.
R 153	CARBON RES. 1/6W J 2.2k Ω or	RCX6JATZ0222
	CARBON RES. 1/4W J 2.2k Ω or	RCX4JATZ0222
	CARBON RES. 1/6W J 2.2k Ω or	132A222T
	CHIP RES. 1/10W J 2.2k Ω	RRXAJBBZ0222
R 154	CARBON RES. 1/6W J 330k Ω or	RCX6JATZ0334
	CARBON RES. 1/4W J 330k Ω or	RCX4JATZ0334
	CARBON RES. 1/6W J 330k Ω or	132A334T
	CHIP RES. 1/10W J 330k Ω	RRXAJBBZ0334
R 155	CARBON RES. 1/6W J 4.7k Ω or	RCX6JATZ0472
	CARBON RES. 1/4W J 4.7k Ω or	RCX4JATZ0472
	CARBON RES. 1/6W J 4.7k Ω or	132A472T
	CHIP RES. 1/10W J 4.7k Ω	RRXAJBBZ0472
R 156	CARBON RES. 1/6W J 47k Ω or	RCX6JATZ0473
	CARBON RES. 1/4W J 47k Ω or	RCX4JATZ0473
	CARBON RES. 1/6W J 47k Ω or	132A473T
	CHIP RES. 1/10W J 47k Ω	RRXAJBBZ0473
R 157	CARBON RES. RD 1/4W J 2.2M Ω	RCX4JAXZ0225
R 158	CARBON RES. 1/6W J 10k Ω or	RCX6JATZ0103
	CARBON RES. 1/4W J 10k Ω or	RCX4JATZ0103
	CARBON RES. 1/6W J 10k Ω	132A103T
R 159	CARBON RES. 1/6W J 180k Ω or	RCX6JATZ0184
	CARBON RES. 1/4W J 180k Ω or	RCX4JATZ0184
	CARBON RES. 1/6W J 180k Ω or	132A184T
	CHIP RES. 1/10W J 180k Ω	RRXAJBBZ0184
R 160	CARBON RES. 1/6W J 4.7k Ω or	RCX6JATZ0472
	CARBON RES. 1/4W J 4.7k Ω or	RCX4JATZ0472
	CARBON RES. 1/6W J 4.7k Ω or	132A472T
	CHIP RES. 1/10W J 4.7k Ω	RRXAJBBZ0472
R 161	CARBON RES. 1/6W J 10k Ω or	RCX6JATZ0103
	CARBON RES. 1/4W J 10k Ω or	RCX4JATZ0103
	CARBON RES. 1/6W J 10k Ω	132A103T
R 162	CARBON RES. 1/6W J 470k Ω or	RCX6JATZ0474
	CARBON RES. 1/4W J 470k Ω or	RCX4JATZ0474
	CARBON RES. 1/6W J 470k Ω	132A474T
R 163	CARBON RES. 1/6W J 820k Ω or	RCX6JATZ0824
	CARBON RES. 1/4W J 820k Ω or	RCX4JATZ0824
	CARBON RES. 1/6W J 820k Ω or	132A824T
	CHIP RES. 1/10W J 820k Ω	RRXAJBBZ0824
R 164	CARBON RES. 1/6W J 10k Ω or	RCX6JATZ0103
	CARBON RES. 1/4W J 10k Ω or	RCX4JATZ0103
	CARBON RES. 1/6W J 10k Ω or	132A103T
	CHIP RES. 1/10W J 10k Ω	RRXAJBBZ0103
R 165	CARBON RES. 1/6W J 330k Ω or	RCX6JATZ0334
	CARBON RES. 1/4W J 330k Ω or	RCX4JATZ0334
	CARBON RES. 1/6W J 330k Ω or	132A334T
	CHIP RES. 1/10W J 330k Ω	RRXAJBBZ0334
R 166	CARBON RES. 1/6W J 10k Ω or	RCX6JATZ0103
	CARBON RES. 1/4W J 10k Ω or	RCX4JATZ0103
	CARBON RES. 1/6W J 10k Ω	132A103T
R 167	CARBON RES. 1/6W J 470 Ω or	RCX6JATZ0471
	CARBON RES. 1/4W J 470 Ω or	RCX4JATZ0471
	CARBON RES. 1/6W J 470 Ω or	132A471T
	CHIP RES. 1/10W J 470 Ω	RRXAJBBZ0471
R 168	CARBON RES. 1/6W J 3.3k Ω or	RCX6JATZ0332
	CARBON RES. 1/4W J 3.3k Ω or	RCX4JATZ0332
	CARBON RES. 1/6W J 3.3k Ω or	132A332T
	CHIP RES. 1/10W J 3.3k Ω	RRXAJBBZ0332
R 169	CARBON RES. RD 1/4W J 2.2M Ω	RCX4JAXZ0225
R 170	CARBON RES. 1/6W J 10k Ω or	RCX6JATZ0103
	CARBON RES. 1/4W J 10k Ω or	RCX4JATZ0103
	CARBON RES. 1/6W J 10k Ω or	132A103T
	CHIP RES. 1/10W J 10k Ω	RRXAJBBZ0103
R 171	CARBON RES. 1/6W J 4.7k Ω or	RCX6JATZ0472
	CARBON RES. 1/4W J 4.7k Ω or	RCX4JATZ0472
	CARBON RES. 1/6W J 4.7k Ω or	132A472T
	CHIP RES. 1/10W J 4.7k Ω	RRXAJBBZ0472

Ref. No.	Description	Part No.
R 172	CARBON RES. 1/6W J 5.6k Ω or	RCX6JATZ0562
	CARBON RES. 1/4W J 5.6k Ω or	RCX4JATZ0562
	CARBON RES. 1/6W J 5.6k Ω	132A562T
R 173	CARBON RES. 1/6W J 56k Ω or	RCX6JATZ0563
	CARBON RES. 1/4W J 56k Ω or	RCX4JATZ0563
	CARBON RES. 1/6W J 56k Ω or	132A563T
	CHIP RES. 1/10W J 56k Ω	RRXAJBBZ0563
R 174	CARBON RES. 1/6W J 39k Ω or	RCX6JATZ0393
	CARBON RES. 1/4W J 39k Ω or	RCX4JATZ0393
	CARBON RES. 1/6W J 39k Ω	132A393T
R 175	CARBON RES. 1/6W J 10k Ω or	RCX6JATZ0103
	CARBON RES. 1/4W J 10k Ω or	RCX4JATZ0103
	CARBON RES. 1/6W J 10k Ω or	132A103T
	CHIP RES. 1/10W J 10k Ω	RRXAJBBZ0103
R 176	CARBON RES. 1/6W J 4.7k Ω or	RCX6JATZ0472
	CARBON RES. 1/4W J 4.7k Ω or	RCX4JATZ0472
	CARBON RES. 1/6W J 4.7k Ω	132A472T
R 177	CARBON RES. 1/6W J 330k Ω or	RCX6JATZ0334
	CARBON RES. 1/4W J 330k Ω or	RCX4JATZ0334
	CARBON RES. 1/6W J 330k Ω or	132A334T
	CHIP RES. 1/10W J 330k Ω	RRXAJBBZ0334
R 178	CARBON RES. 1/6W J 2.2k Ω or	RCX6JATZ0222
	CARBON RES. 1/4W J 2.2k Ω or	RCX4JATZ0222
	CARBON RES. 1/6W J 2.2k Ω or	132A222T
	CHIP RES. 1/10W J 2.2k Ω	RRXAJBBZ0222
R 179	CARBON RES. 1/6W J 4.7k Ω or	RCX6JATZ0472
	CARBON RES. 1/4W J 4.7k Ω or	RCX4JATZ0472
	CARBON RES. 1/6W J 4.7k Ω	132A472T
R 180	CARBON RES. 1/6W J 820 Ω or	RCX6JATZ0821
	CARBON RES. 1/4W J 820 Ω or	RCX4JATZ0821
	CARBON RES. 1/6W J 820 Ω	132A821T
R 181	CARBON RES. 1/6W J 330k Ω or	RCX6JATZ0334
	CARBON RES. 1/4W J 330k Ω or	RCX4JATZ0334
	CARBON RES. 1/6W J 330k Ω	132A334T
R 182	PCB JUMPER D0.6-P5.0	JW5.0T
R 183	CARBON RES. 1/6W J 5.6k Ω or	RCX6JATZ0562
	CARBON RES. 1/4W J 5.6k Ω or	RCX4JATZ0562
	CARBON RES. 1/6W J 5.6k Ω or	132A562T
	CHIP RES. 1/10W J 5.6k Ω	RRXAJBBZ0562
R 184	CARBON RES. 1/6W J 10k Ω or	RCX6JATZ0103
	CARBON RES. 1/4W J 10k Ω or	RCX4JATZ0103
	CARBON RES. 1/6W J 10k Ω	132A103T
R 185	CARBON RES. 1/6W J 22k Ω or	RCX6JATZ0223
	CARBON RES. 1/4W J 22k Ω or	RCX4JATZ0223
	CARBON RES. 1/6W J 22k Ω	132A223T
R 201	CARBON RES. 1/6W J 1k Ω or	RCX6JATZ0102
	CARBON RES. 1/4W J 1k Ω or	RCX4JATZ0102
	CARBON RES. 1/6W J 1k Ω or	132A102T
	CHIP RES. 1/10W J 1k Ω	RRXAJBBZ0102
R 202	CARBON RES. 1/6W J 100k Ω or	RCX6JATZ0104
	CARBON RES. 1/4W J 100k Ω or	RCX4JATZ0104
	CARBON RES. 1/6W J 100k Ω or	132A104T
	CHIP RES. 1/10W J 100k Ω	RRXAJBBZ0104
R 203	CARBON RES. 1/6W J 2.2k Ω or	RCX6JATZ0222
	CARBON RES. 1/4W J 2.2k Ω or	RCX4JATZ0222
	CARBON RES. 1/6W J 2.2k Ω	132A222T
R 204	CARBON RES. 1/6W J 1.2k Ω or	RCX6JATZ0122
	CARBON RES. 1/4W J 1.2k Ω or	RCX4JATZ0122
	CARBON RES. 1/6W J 1.2k Ω or	132A122T
	CHIP RES. 1/10W J 1.2k Ω	RRXAJBBZ0122
R 205	CARBON RES. 1/6W J 47 Ω or	RCX6JATZ0470
	CARBON RES. 1/4W J 47 Ω or	RCX4JATZ0470
	CARBON RES. 1/6W J 47 Ω or	132A470T
	CHIP RES. 1/10W J 47 Ω	RRXAJBBZ0470
R 206	PCB JUMPER D0.6-P5.0	JW5.0T
R 207	CARBON RES. 1/6W J 10k Ω or	RCX6JATZ0103

Ref. No.	Description	Part No.
	CARBON RES. 1/4W J 10k Ω or	RCX4JATZ0103
	CARBON RES. 1/6W J 10k Ω or	132A103T
	CHIP RES. 1/10W J 10k Ω	RRXAJBBZ0103
R 210	CARBON RES. 1/6W J 10k Ω or	RCX6JATZ0103
	CARBON RES. 1/4W J 10k Ω or	RCX4JATZ0103
	CARBON RES. 1/6W J 10k Ω or	132A103T
	CHIP RES. 1/10W J 10k Ω	RRXAJBBZ0103
R 212	CARBON RES. 1/6W J 10k Ω or	RCX6JATZ0103
	CARBON RES. 1/4W J 10k Ω or	RCX4JATZ0103
	CARBON RES. 1/6W J 10k Ω or	132A103T
	CHIP RES. 1/10W J 10k Ω	RRXAJBBZ0103
R 214	CARBON RES. 1/6W J 10k Ω or	RCX6JATZ0103
	CARBON RES. 1/4W J 10k Ω or	RCX4JATZ0103
	CARBON RES. 1/6W J 10k Ω or	132A103T
	CHIP RES. 1/10W J 10k Ω	RRXAJBBZ0103
R 215	CARBON RES. 1/6W J 10k Ω or	RCX6JATZ0103
	CARBON RES. 1/4W J 10k Ω or	RCX4JATZ0103
	CARBON RES. 1/6W J 10k Ω or	132A103T
	CHIP RES. 1/10W J 10k Ω	RRXAJBBZ0103
R 217	CARBON RES. 1/6W J 10k Ω or	RCX6JATZ0103
	CARBON RES. 1/4W J 10k Ω or	RCX4JATZ0103
	CARBON RES. 1/6W J 10k Ω	132A103T
R 218	CARBON RES. 1/6W J 10k Ω or	RCX6JATZ0103
	CARBON RES. 1/4W J 10k Ω or	RCX4JATZ0103
	CARBON RES. 1/6W J 10k Ω	132A103T
R 219	CARBON RES. 1/6W J 220k Ω or	RCX6JATZ0224
	CARBON RES. 1/4W J 220k Ω or	RCX4JATZ0224
	CARBON RES. 1/6W J 220k Ω	132A224T
R 220	CARBON RES. 1/6W J 22k Ω or	RCX6JATZ0223
	CARBON RES. 1/4W J 22k Ω or	RCX4JATZ0223
	CARBON RES. 1/6W J 22k Ω	132A223T
R 222	CARBON RES. 1/6W J 22k Ω or	RCX6JATZ0223
	CARBON RES. 1/4W J 22k Ω or	RCX4JATZ0223
	CARBON RES. 1/6W J 22k Ω	132A223T
R 223	CARBON RES. 1/6W J 8.2k Ω or	RCX6JATZ0822
	CARBON RES. 1/4W J 8.2k Ω or	RCX4JATZ0822
	CARBON RES. 1/6W J 8.2k Ω or	132A822T
	CHIP RES. 1/10W J 8.2k Ω	RRXAJBBZ0822
R 224	CARBON RES. 1/6W J 12k Ω or	RCX6JATZ0123
	CARBON RES. 1/4W J 12k Ω or	RCX4JATZ0123
	CARBON RES. 1/6W J 12k Ω or	132A123T
	CHIP RES. 1/10W J 12k Ω	RRXAJBBZ0123
R 227	CARBON RES. 1/6W J 47k Ω or	RCX6JATZ0473
	CARBON RES. 1/4W J 47k Ω or	RCX4JATZ0473
	CARBON RES. 1/6W J 47k Ω or	132A473T
	CHIP RES. 1/10W J 47k Ω	RRXAJBBZ0473
R 228	CARBON RES. 1/6W J 10k Ω or	RCX6JATZ0103
	CARBON RES. 1/4W J 10k Ω or	RCX4JATZ0103
	CARBON RES. 1/6W J 10k Ω	132A103T
R 229	CARBON RES. 1/6W J 10k Ω or	RCX6JATZ0103
	CARBON RES. 1/4W J 10k Ω or	RCX4JATZ0103
	CARBON RES. 1/6W J 10k Ω	132A103T
R 230	CARBON RES. 1/6W J 22k Ω or	RCX6JATZ0223
	CARBON RES. 1/4W J 22k Ω or	RCX4JATZ0223
	CARBON RES. 1/6W J 22k Ω	132A223T
R 231	CARBON RES. 1/6W J 22k Ω or	RCX6JATZ0223
	CARBON RES. 1/4W J 22k Ω or	RCX4JATZ0223
	CARBON RES. 1/6W J 22k Ω	132A223T
R 232	CARBON RES. 1/6W J 22k Ω or	RCX6JATZ0223
	CARBON RES. 1/4W J 22k Ω or	RCX4JATZ0223
	CARBON RES. 1/6W J 22k Ω	132A223T
R 233	CARBON RES. 1/6W J 22k Ω or	RCX6JATZ0223
	CARBON RES. 1/4W J 22k Ω or	RCX4JATZ0223
	CARBON RES. 1/6W J 22k Ω	132A223T
R 234	CARBON RES. 1/6W J 22k Ω or	RCX6JATZ0223
	CARBON RES. 1/4W J 22k Ω or	RCX4JATZ0223

Ref. No.	Description	Part No.
	CARBON RES. 1/6W J 22k Ω	132A223T
R 235	CARBON RES. 1/6W J 5.6k Ω or	RCX6JATZ0562
	CARBON RES. 1/4W J 5.6k Ω or	RCX4JATZ0562
	CARBON RES. 1/6W J 5.6k Ω	132A562T
R 236	CARBON RES. 1/6W J 10k Ω or	RCX6JATZ0103
	CARBON RES. 1/4W J 10k Ω or	RCX4JATZ0103
	CARBON RES. 1/6W J 10k Ω	132A103T
R 237	CARBON RES. 1/6W J 1.5k Ω or	RCX6JATZ0152
	CARBON RES. 1/4W J 1.5k Ω or	RCX4JATZ0152
	CARBON RES. 1/6W J 1.5k Ω	132A152T
R 238	CARBON RES. 1/6W J 1.5k Ω or	RCX6JATZ0152
	CARBON RES. 1/4W J 1.5k Ω or	RCX4JATZ0152
	CARBON RES. 1/6W J 1.5k Ω or	132A152T
	CHIP RES. 1/10W J 1.5k Ω	RRXAJBBZ0152
R 239	CARBON RES. 1/6W J 10k Ω or	RCX6JATZ0103
	CARBON RES. 1/4W J 10k Ω or	RCX4JATZ0103
	CARBON RES. 1/6W J 10k Ω	132A103T
R 240	CARBON RES. 1/6W J 10k Ω or	RCX6JATZ0103
	CARBON RES. 1/4W J 10k Ω or	RCX4JATZ0103
	CARBON RES. 1/6W J 10k Ω	132A103T
R 241	CARBON RES. 1/6W J 22k Ω or	RCX6JATZ0223
	CARBON RES. 1/4W J 22k Ω or	RCX4JATZ0223
	CARBON RES. 1/6W J 22k Ω or	132A223T
	CHIP RES. 1/10W J 22k Ω	RRXAJBBZ0223
R 242	CARBON RES. 1/6W J 22k Ω or	RCX6JATZ0223
	CARBON RES. 1/4W J 22k Ω or	RCX4JATZ0223
	CARBON RES. 1/6W J 22k Ω	132A223T
R 243	CARBON RES. 1/6W J 47k Ω or	RCX6JATZ0473
	CARBON RES. 1/4W J 47k Ω or	RCX4JATZ0473
	CARBON RES. 1/6W J 47k Ω	132A473T
R 244	CARBON RES. 1/6W J 3.3k Ω or	RCX6JATZ0332
	CARBON RES. 1/4W J 3.3k Ω or	RCX4JATZ0332
	CARBON RES. 1/6W J 3.3k Ω	132A332T
R 245	CARBON RES. 1/6W J 3.3k Ω or	RCX6JATZ0332
	CARBON RES. 1/4W J 3.3k Ω or	RCX4JATZ0332
	CARBON RES. 1/6W J 3.3k Ω	132A332T
R 250	CARBON RES. 1/6W J 1k Ω or	RCX6JATZ0102
	CARBON RES. 1/4W J 1k Ω or	RCX4JATZ0102
	CARBON RES. 1/6W J 1k Ω	132A102T
R 251	CARBON RES. 1/6W J 1k Ω or	RCX6JATZ0102
	CARBON RES. 1/4W J 1k Ω or	RCX4JATZ0102
	CARBON RES. 1/6W J 1k Ω	132A102T
R 252	CARBON RES. 1/6W J 1k Ω or	RCX6JATZ0102
	CARBON RES. 1/4W J 1k Ω or	RCX4JATZ0102
	CARBON RES. 1/6W J 1k Ω	132A102T
R 261	CARBON RES. 1/6W J 2.2k Ω or	RCX6JATZ0222
	CARBON RES. 1/4W J 2.2k Ω or	RCX4JATZ0222
	CARBON RES. 1/6W J 2.2k Ω or	132A222T
	CHIP RES. 1/10W J 2.2k Ω	RRXAJBBZ0222
R 262	CARBON RES. 1/6W J 1k Ω or	RCX6JATZ0102
	CARBON RES. 1/4W J 1k Ω or	RCX4JATZ0102
	CARBON RES. 1/6W J 1k Ω	132A102T
R 263	CARBON RES. 1/6W J 1k Ω or	RCX6JATZ0102
	CARBON RES. 1/4W J 1k Ω or	RCX4JATZ0102
	CARBON RES. 1/6W J 1k Ω or	132A102T
	CHIP RES. 1/10W J 1k Ω	RRXAJBBZ0102
R 264	CARBON RES. 1/6W J 470 Ω or	RCX6JATZ0471
	CARBON RES. 1/4W J 470 Ω or	RCX4JATZ0471
	CARBON RES. 1/6W J 470 Ω or	132A471T
	CHIP RES. 1/10W J 470 Ω	RRXAJBBZ0471
R 265	CARBON RES. 1/6W J 680k Ω or	RCX6JATZ0684
	CARBON RES. 1/4W J 680k Ω or	RCX4JATZ0684
	CARBON RES. 1/6W J 680k Ω or	132A684T
	CHIP RES. 1/10W J 680k Ω	RRXAJBBZ0684
R 266	CARBON RES. 1/6W J 680k Ω or	RCX6JATZ0684
	CARBON RES. 1/4W J 680k Ω or	RCX4JATZ0684

Ref. No.	Description	Part No.
	CARBON RES. 1/6W J 680k Ω or	132A684T
	CHIP RES. 1/10W J 680k Ω	RRXAJBBZ0684
R 267	CARBON RES. 1/6W J 39 Ω or	RCX6JATZ0390
	CARBON RES. 1/4W J 39 Ω or	RCX4JATZ0390
	CARBON RES. 1/6W J 39 Ω	132A390T
R 268	CARBON RES. 1/6W J 39 Ω or	RCX6JATZ0390
	CARBON RES. 1/4W J 39 Ω or	RCX4JATZ0390
	CARBON RES. 1/6W J 39 Ω	132A390T
R 269	CARBON RES. 1/6W J 47k Ω or	RCX6JATZ0473
	CARBON RES. 1/4W J 47k Ω or	RCX4JATZ0473
	CARBON RES. 1/6W J 47k Ω or	132A473T
	CHIP RES. 1/10W J 47k Ω	RRXAJBBZ0473
R 270	CARBON RES. 1/6W J 150 Ω or	RCX6JATZ0151
	CARBON RES. 1/4W J 150 Ω or	RCX4JATZ0151
	CARBON RES. 1/6W J 150 Ω	132A151T
R 271	CARBON RES. 1/6W J 1k Ω or	RCX6JATZ0102
	CARBON RES. 1/4W J 1k Ω or	RCX4JATZ0102
	CARBON RES. 1/6W J 1k Ω or	132A102T
	CHIP RES. 1/10W J 1k Ω	RRXAJBBZ0102
R 272	CARBON RES. 1/6W J 1k Ω or	RCX6JATZ0102
	CARBON RES. 1/4W J 1k Ω or	RCX4JATZ0102
	CARBON RES. 1/6W J 1k Ω or	132A102T
	CHIP RES. 1/10W J 1k Ω	RRXAJBBZ0102
R 273	CARBON RES. 1/6W J 1k Ω or	RCX6JATZ0102
	CARBON RES. 1/4W J 1k Ω or	RCX4JATZ0102
	CARBON RES. 1/6W J 1k Ω or	132A102T
	CHIP RES. 1/10W J 1k Ω	RRXAJBBZ0102
R 274	CARBON RES. 1/6W J 8.2k Ω or	RCX6JATZ0822
	CARBON RES. 1/4W J 8.2k Ω or	RCX4JATZ0822
	CARBON RES. 1/6W J 8.2k Ω	132A822T
R 275	CARBON RES. 1/6W J 8.2k Ω or	RCX6JATZ0822
	CARBON RES. 1/4W J 8.2k Ω or	RCX4JATZ0822
	CARBON RES. 1/6W J 8.2k Ω	132A822T
R 276	CARBON RES. 1/6W J 8.2k Ω or	RCX6JATZ0822
	CARBON RES. 1/4W J 8.2k Ω or	RCX4JATZ0822
	CARBON RES. 1/6W J 8.2k Ω or	132A822T
	CHIP RES. 1/10W J 8.2k Ω	RRXAJBBZ0822
R 277	CARBON RES. 1/6W J 22k Ω or	RCX6JATZ0223
	CARBON RES. 1/4W J 22k Ω or	RCX4JATZ0223
	CARBON RES. 1/6W J 22k Ω or	132A223T
	CHIP RES. 1/10W J 22k Ω	RRXAJBBZ0223
R 278	CARBON RES. 1/6W J 4.7k Ω or	RCX6JATZ0472
	CARBON RES. 1/4W J 4.7k Ω or	RCX4JATZ0472
	CARBON RES. 1/6W J 4.7k Ω or	132A472T
	CHIP RES. 1/10W J 4.7k Ω	RRXAJBBZ0472
R 279	CARBON RES. 1/6W J 22k Ω or	RCX6JATZ0223
	CARBON RES. 1/4W J 22k Ω or	RCX4JATZ0223
	CARBON RES. 1/6W J 22k Ω	132A223T
R 280	CARBON RES. 1/6W J 6.8k Ω or	RCX6JATZ0682
	CARBON RES. 1/4W J 6.8k Ω or	RCX4JATZ0682
	CARBON RES. 1/6W J 6.8k Ω or	132A682T
	CHIP RES. 1/10W J 6.8k Ω	RRXAJBBZ0682
R 281	CARBON RES. 1/6W J 22k Ω or	RCX6JATZ0223
	CARBON RES. 1/4W J 22k Ω or	RCX4JATZ0223
	CARBON RES. 1/6W J 22k Ω or	132A223T
	CHIP RES. 1/10W J 22k Ω	RRXAJBBZ0223
R 283	CARBON RES. 1/6W J 1k Ω or	RCX6JATZ0102
	CARBON RES. 1/4W J 1k Ω or	RCX4JATZ0102
	CARBON RES. 1/6W J 1k Ω or	132A102T
	CHIP RES. 1/10W J 1k Ω	RRXAJBBZ0102
R 284	CARBON RES. 1/6W J 1k Ω or	RCX6JATZ0102
	CARBON RES. 1/4W J 1k Ω or	RCX4JATZ0102
	CARBON RES. 1/6W J 1k Ω	132A102T
R 285	CARBON RES. 1/6W J 1k Ω or	RCX6JATZ0102
	CARBON RES. 1/4W J 1k Ω or	RCX4JATZ0102
	CARBON RES. 1/6W J 1k Ω	132A102T

Ref. No.	Description	Part No.
R 286	CARBON RES. 1/6W J 1k Ω or	RCX6JATZ0102
	CARBON RES. 1/4W J 1k Ω or	RCX4JATZ0102
	CARBON RES. 1/6W J 1k Ω or	132A102T
	CHIP RES. 1/10W J 1k Ω	RRXAJBBZ0102
R 287	CARBON RES. 1/6W J 33k Ω or	RCX6JATZ0333
	CARBON RES. 1/4W J 33k Ω or	RCX4JATZ0333
	CARBON RES. 1/6W J 33k Ω	132A333T
R 289	CARBON RES. 1/6W J 100 Ω or	RCX6JATZ0101
	CARBON RES. 1/4W J 100 Ω or	RCX4JATZ0101
	CARBON RES. 1/6W J 100 Ω	132A101T
R 290	CARBON RES. 1/6W J 330 Ω or	RCX6JATZ0331
	CARBON RES. 1/4W J 330 Ω or	RCX4JATZ0331
	CARBON RES. 1/6W J 330 Ω or	132A331T
	CHIP RES. 1/10W J 330 Ω	RRXAJBBZ0331
R 293	CARBON RES. 1/6W J 330 Ω or	RCX6JATZ0331
	CARBON RES. 1/4W J 330 Ω or	RCX4JATZ0331
	CARBON RES. 1/6W J 330 Ω or	132A331T
	CHIP RES. 1/10W J 330 Ω	RRXAJBBZ0331
R 301	CARBON RES. 1/6W J 47k Ω or	RCX6JATZ0473
	CARBON RES. 1/4W J 47k Ω or	RCX4JATZ0473
	CARBON RES. 1/6W J 47k Ω or	132A473T
	CHIP RES. 1/10W J 47k Ω	RRXAJBBZ0473
R 302	CARBON RES. 1/6W J 82k Ω or	RCX6JATZ0823
	CARBON RES. 1/4W J 82k Ω or	RCX4JATZ0823
	CARBON RES. 1/6W J 82k Ω	132A823T
R 303	CARBON RES. 1/6W J 22k Ω or	RCX6JATZ0223
	CARBON RES. 1/4W J 22k Ω or	RCX4JATZ0223
	CARBON RES. 1/6W J 22k Ω or	132A223T
	CHIP RES. 1/10W J 22k Ω	RRXAJBBZ0223
R 304	CARBON RES. 1/6W J 22k Ω or	RCX6JATZ0223
	CARBON RES. 1/4W J 22k Ω or	RCX4JATZ0223
	CARBON RES. 1/6W J 22k Ω	132A223T
R 305	CARBON RES. 1/6W J 10k Ω or	RCX6JATZ0103
	CARBON RES. 1/4W J 10k Ω or	RCX4JATZ0103
	CARBON RES. 1/6W J 10k Ω	132A103T
R 306	CARBON RES. 1/6W J 4.7k Ω or	RCX6JATZ0472
	CARBON RES. 1/4W J 4.7k Ω or	RCX4JATZ0472
	CARBON RES. 1/6W J 4.7k Ω or	132A472T
	CHIP RES. 1/10W J 4.7k Ω	RRXAJBBZ0472
R 307	CARBON RES. 1/6W J 220 Ω or	RCX6JATZ0221
	CARBON RES. 1/4W J 220 Ω or	RCX4JATZ0221
	CARBON RES. 1/6W J 220 Ω or	132A221T
	CHIP RES. 1/10W J 220 Ω	RRXAJBBZ0221
R 309	CARBON RES. 1/6W J 12k Ω or	RCX6JATZ0123
	CARBON RES. 1/4W J 12k Ω or	RCX4JATZ0123
	CARBON RES. 1/6W J 12k Ω	132A123T
R 310	CARBON RES. 1/6W J 470 Ω or	RCX6JATZ0471
	CARBON RES. 1/4W J 470 Ω or	RCX4JATZ0471
	CARBON RES. 1/6W J 470 Ω or	132A471T
	CHIP RES. 1/10W J 470 Ω	RRXAJBBZ0471
R 311	CARBON RES. 1/6W J 10k Ω or	RCX6JATZ0103
	CARBON RES. 1/4W J 10k Ω or	RCX4JATZ0103
	CARBON RES. 1/6W J 10k Ω	132A103T
R 312	CARBON RES. 1/6W J 10k Ω or	RCX6JATZ0103
	CARBON RES. 1/4W J 10k Ω or	RCX4JATZ0103
	CARBON RES. 1/6W J 10k Ω	132A103T
R 313	CARBON RES. 1/6W J 680 Ω or	RCX6JATZ0681
	CARBON RES. 1/4W J 680 Ω or	RCX4JATZ0681
	CARBON RES. 1/6W J 680 Ω or	132A681T
	CHIP RES. 1/10W J 680 Ω	RRXAJBBZ0681
R 314	CARBON RES. 1/6W J 1k Ω or	RCX6JATZ0102
	CARBON RES. 1/4W J 1k Ω or	RCX4JATZ0102
	CARBON RES. 1/6W J 1k Ω	132A102T
R 315	CARBON RES. 1/6W J 1k Ω or	RCX6JATZ0102
	CARBON RES. 1/4W J 1k Ω or	RCX4JATZ0102
	CARBON RES. 1/6W J 1k Ω or	132A102T

Ref. No.	Description	Part No.
	CHIP RES. 1/10W J 1k Ω	RRXAJBBZ0102
R 316	CARBON RES. 1/6W J 1k Ω or	RCX6JATZ0102
	CARBON RES. 1/4W J 1k Ω or	RCX4JATZ0102
	CARBON RES. 1/6W J 1k Ω or	132A102T
	CHIP RES. 1/10W J 1k Ω	RRXAJBBZ0102
R 317	CARBON RES. 1/6W J 6.8k Ω or	RCX6JATZ0682
	CARBON RES. 1/4W J 6.8k Ω or	RCX4JATZ0682
	CARBON RES. 1/6W J 6.8k Ω	132A682T
R 318	CARBON RES. 1/6W J 2.7k Ω or	RCX6JATZ0272
	CARBON RES. 1/4W J 2.7k Ω or	RCX4JATZ0272
	CARBON RES. 1/6W J 2.7k Ω	132A272T
R 319	CARBON RES. 1/6W J 470k Ω or	RCX6JATZ0474
	CARBON RES. 1/4W J 470k Ω or	RCX4JATZ0474
	CARBON RES. 1/6W J 470k Ω	132A474T
R 320	CARBON RES. 1/6W J 2.2k Ω or	RCX6JATZ0222
	CARBON RES. 1/4W J 2.2k Ω or	RCX4JATZ0222
	CARBON RES. 1/6W J 2.2k Ω or	132A222T
	CHIP RES. 1/10W J 2.2k Ω	RRXAJBBZ0222
R 321	CARBON RES. 1/6W J 2.2k Ω or	RCX6JATZ0222
	CARBON RES. 1/4W J 2.2k Ω or	RCX4JATZ0222
	CARBON RES. 1/6W J 2.2k Ω or	132A222T
	CHIP RES. 1/10W J 2.2k Ω	RRXAJBBZ0222
R 322	CARBON RES. 1/6W J 2.2k Ω or	RCX6JATZ0222
	CARBON RES. 1/4W J 2.2k Ω or	RCX4JATZ0222
	CARBON RES. 1/6W J 2.2k Ω	132A222T
R 323	CARBON RES. 1/6W J 680k Ω or	RCX6JATZ0684
	CARBON RES. 1/4W J 680k Ω or	RCX4JATZ0684
	CARBON RES. 1/6W J 680k Ω or	132A684T
	CHIP RES. 1/10W J 680k Ω	RRXAJBBZ0684
R 324	CARBON RES. 1/6W J 10k Ω or	RCX6JATZ0103
	CARBON RES. 1/4W J 10k Ω or	RCX4JATZ0103
	CARBON RES. 1/6W J 10k Ω	132A103T
R 325	CARBON RES. 1/6W J 22k Ω or	RCX6JATZ0223
	CARBON RES. 1/4W J 22k Ω or	RCX4JATZ0223
	CARBON RES. 1/6W J 22k Ω or	132A223T
	CHIP RES. 1/10W J 22k Ω	RRXAJBBZ0223
R 326	CARBON RES. 1/6W J 33k Ω or	RCX6JATZ0333
	CARBON RES. 1/4W J 33k Ω or	RCX4JATZ0333
	CARBON RES. 1/6W J 33k Ω or	132A333T
	CHIP RES. 1/10W J 33k Ω	RRXAJBBZ0333
R 327	PCB JUMPER D0.6-P5.0 or	JW5.0T
	CHIP RES. 1/10W J 0 Ω	RRXAJBBZ0000
R 328	CARBON RES. 1/6W J 3.3k Ω or	RCX6JATZ0332
	CARBON RES. 1/4W J 3.3k Ω or	RCX4JATZ0332
	CARBON RES. 1/6W J 3.3k Ω	132A332T
R 330	CARBON RES. 1/6W J 3.3k Ω or	RCX6JATZ0332
	CARBON RES. 1/4W J 3.3k Ω or	RCX4JATZ0332
	CARBON RES. 1/6W J 3.3k Ω	132A332T
R 332	CARBON RES. RD 1/4W J 3.3M Ω	RCX4JAXZ0335
R 334	CARBON RES. 1/6W J 1k Ω or	RCX6JATZ0102
	CARBON RES. 1/4W J 1k Ω or	RCX4JATZ0102
	CARBON RES. 1/6W J 1k Ω	132A102T
R 335	CARBON RES. 1/6W J 470 Ω or	RCX6JATZ0471
	CARBON RES. 1/4W J 470 Ω or	RCX4JATZ0471
	CARBON RES. 1/6W J 470 Ω or	132A471T
	CHIP RES. 1/10W J 470 Ω	RRXAJBBZ0471
R 338	CARBON RES. 1/6W J 15k Ω or	RCX6JATZ0153
	CARBON RES. 1/4W J 15k Ω or	RCX4JATZ0153
	CARBON RES. 1/6W J 15k Ω or	132A153T
	CHIP RES. 1/10W J 15k Ω	RRXAJBBZ0153
R 339	CARBON RES. 1/6W J 1k Ω or	RCX6JATZ0102
	CARBON RES. 1/4W J 1k Ω or	RCX4JATZ0102
	CARBON RES. 1/6W J 1k Ω or	132A102T
	CHIP RES. 1/10W J 1k Ω	RRXAJBBZ0102
R 342	CARBON RES. 1/6W J 1k Ω or	RCX6JATZ0102
	CARBON RES. 1/4W J 1k Ω or	RCX4JATZ0102

Ref. No.	Description	Part No.
	CARBON RES. 1/6W J 1k Ω	132A102T
R 343	CARBON RES. 1/6W J 1k Ω or	RCX6JATZ0102
	CARBON RES. 1/4W J 1k Ω or	RCX4JATZ0102
	CARBON RES. 1/6W J 1k Ω or	132A102T
	CHIP RES. 1/10W J 1k Ω	RRXAJBBZ0102
R 344	CARBON RES. 1/6W J 1k Ω or	RCX6JATZ0102
	CARBON RES. 1/4W J 1k Ω or	RCX4JATZ0102
	CARBON RES. 1/6W J 1k Ω or	132A102T
	CHIP RES. 1/10W J 1k Ω	RRXAJBBZ0102
R 345	CARBON RES. 1/6W J 1k Ω or	RCX6JATZ0102
	CARBON RES. 1/4W J 1k Ω or	RCX4JATZ0102
	CARBON RES. 1/6W J 1k Ω	132A102T
R 346	CARBON RES. 1/6W J 22k Ω or	RCX6JATZ0223
	CARBON RES. 1/4W J 22k Ω or	RCX4JATZ0223
	CARBON RES. 1/6W J 22k Ω or	132A223T
	CHIP RES. 1/10W J 22k Ω	RRXAJBBZ0223
R 347	CARBON RES. 1/6W J 22k Ω or	RCX6JATZ0223
	CARBON RES. 1/4W J 22k Ω or	RCX4JATZ0223
	CARBON RES. 1/6W J 22k Ω	132A223T
R 348	CARBON RES. 1/6W J 56k Ω or	RCX6JATZ0563
	CARBON RES. 1/4W J 56k Ω or	RCX4JATZ0563
	CARBON RES. 1/6W J 56k Ω or	132A563T
	CHIP RES. 1/10W J 56k Ω	RRXAJBBZ0563
R 349	CARBON RES. 1/6W J 1M Ω or	RCX6JATZ0105
	CARBON RES. 1/4W J 1M Ω or	RCX4JATZ0105
	CARBON RES. 1/6W J 1M Ω	132A105T
R 353	CARBON RES. 1/6W J 100k Ω or	RCX6JATZ0104
	CARBON RES. 1/4W J 100k Ω or	RCX4JATZ0104
	CARBON RES. 1/6W J 100k Ω	132A104T
R 354	CARBON RES. 1/6W J 560 Ω or	RCX6JATZ0561
	CARBON RES. 1/4W J 560 Ω or	RCX4JATZ0561
	CARBON RES. 1/6W J 560 Ω	132A561T
R 355	CARBON RES. 1/6W J 560 Ω or	RCX6JATZ0561
	CARBON RES. 1/4W J 560 Ω or	RCX4JATZ0561
	CARBON RES. 1/6W J 560 Ω	132A561T
R 356	CARBON RES. 1/6W J 2.2k Ω or	RCX6JATZ0222
	CARBON RES. 1/4W J 2.2k Ω or	RCX4JATZ0222
	CARBON RES. 1/6W J 2.2k Ω	132A222T
R 357	CARBON RES. 1/6W J 560 Ω or	RCX6JATZ0561
	CARBON RES. 1/4W J 560 Ω or	RCX4JATZ0561
	CARBON RES. 1/6W J 560 Ω	132A561T
R 360	CARBON RES. 1/6W J 560 Ω or	RCX6JATZ0561
	CARBON RES. 1/4W J 560 Ω or	RCX4JATZ0561
	CARBON RES. 1/6W J 560 Ω	132A561T
R 361	CARBON RES. 1/6W J 100 Ω or	RCX6JATZ0101
	CARBON RES. 1/4W J 100 Ω or	RCX4JATZ0101
	CARBON RES. 1/6W J 100 Ω	132A101T
R 363	PCB JUMPER D0.6-P5.0	JW5.0T
R 364	CARBON RES. 1/6W J 100 Ω or	RCX6JATZ0101
	CARBON RES. 1/4W J 100 Ω or	RCX4JATZ0101
	CARBON RES. 1/6W J 100 Ω	132A101T
R 365	CARBON RES. 1/6W J 220 Ω or	RCX6JATZ0221
	CARBON RES. 1/4W J 220 Ω or	RCX4JATZ0221
	CARBON RES. 1/6W J 220 Ω	132A221T
R 366	CARBON RES. 1/6W J 220 Ω or	RCX6JATZ0221
	CARBON RES. 1/4W J 220 Ω or	RCX4JATZ0221
	CARBON RES. 1/6W J 220 Ω or	132A221T
	CHIP RES. 1/10W J 220 Ω	RRXAJBBZ0221
R 367	CARBON RES. 1/6W J 220 Ω or	RCX6JATZ0221
	CARBON RES. 1/4W J 220 Ω or	RCX4JATZ0221
	CARBON RES. 1/6W J 220 Ω or	132A221T
	CHIP RES. 1/10W J 220 Ω	RRXAJBBZ0221
R 368	CARBON RES. 1/6W J 220 Ω or	RCX6JATZ0221
	CARBON RES. 1/4W J 220 Ω or	RCX4JATZ0221
	CARBON RES. 1/6W J 220 Ω	132A221T
R 369	CARBON RES. RD 1/4W J 4.7M Ω	RCX4JAXZ0475

Ref. No.	Description	Part No.
R 370	CARBON RES. RD 1/4W J 4.7M Ω	RCX4JAXZ0475
R 375	CARBON RES. 1/6W J 82k Ω or	RCX6JATZ0823
	CARBON RES. 1/4W J 82k Ω or	RCX4JATZ0823
	CARBON RES. 1/6W J 82k Ω or	132A823T
	CHIP RES. 1/10W J 82k Ω	RRXAJBBZ0823
R 376	CARBON RES. 1/6W J 120k Ω or	RCX6JATZ0124
	CARBON RES. 1/4W J 120k Ω or	RCX4JATZ0124
	CARBON RES. 1/6W J 120k Ω or	132A124T
	CHIP RES. 1/10W J 120k Ω	RRXAJBBZ0124
R 377	CARBON RES. 1/6W J 100k Ω or	RCX6JATZ0104
	CARBON RES. 1/4W J 100k Ω or	RCX4JATZ0104
	CARBON RES. 1/6W J 100k Ω or	132A104T
	CHIP RES. 1/10W J 100k Ω	RRXAJBBZ0104
R 378	CARBON RES. 1/6W J 1M Ω or	RCX6JATZ0105
	CARBON RES. 1/4W J 1M Ω or	RCX4JATZ0105
	CARBON RES. 1/6W J 1M Ω	132A105T
R 401	CARBON RES. 1/6W J 330 Ω or	RCX6JATZ0331
	CARBON RES. 1/4W J 330 Ω or	RCX4JATZ0331
	CARBON RES. 1/6W J 330 Ω or	132A331T
	CHIP RES. 1/10W J 330 Ω	RRXAJBBZ0331
R 402	CARBON RES. 1/6W J 2.2k Ω or	RCX6JATZ0222
	CARBON RES. 1/4W J 2.2k Ω or	RCX4JATZ0222
	CARBON RES. 1/6W J 2.2k Ω or	132A222T
	CHIP RES. 1/10W J 2.2k Ω	RRXAJBBZ0222
R 404	CARBON RES. 1/6W J 4.7k Ω or	RCX6JATZ0472
	CARBON RES. 1/4W J 4.7k Ω or	RCX4JATZ0472
	CARBON RES. 1/6W J 4.7k Ω or	132A472T
	CHIP RES. 1/10W J 4.7k Ω	RRXAJBBZ0472
R 405	CARBON RES. 1/6W J 1.5k Ω or	RCX6JATZ0152
	CARBON RES. 1/4W J 1.5k Ω or	RCX4JATZ0152
	CARBON RES. 1/6W J 1.5k Ω or	132A152T
	CHIP RES. 1/10W J 1.5k Ω	RRXAJBBZ0152
R 406	CARBON RES. 1/6W J 390 Ω or	RCX6JATZ0391
	CARBON RES. 1/4W J 390 Ω or	RCX4JATZ0391
	CARBON RES. 1/6W J 390 Ω or	132A391T
	CHIP RES. 1/10W J 390 Ω	RRXAJBBZ0391
R 407	CARBON RES. 1/6W J 470 Ω or	RCX6JATZ0471
	CARBON RES. 1/4W J 470 Ω or	RCX4JATZ0471
	CARBON RES. 1/6W J 470 Ω or	132A471T
	CHIP RES. 1/10W J 470 Ω	RRXAJBBZ0471
R 408	CARBON RES. 1/6W J 2.7k Ω or	RCX6JATZ0272
	CARBON RES. 1/4W J 2.7k Ω or	RCX4JATZ0272
	CARBON RES. 1/6W J 2.7k Ω or	132A272T
	CHIP RES. 1/10W J 2.7k Ω	RRXAJBBZ0272
R 409	CARBON RES. 1/6W J 2.7k Ω or	RCX6JATZ0272
	CARBON RES. 1/4W J 2.7k Ω or	RCX4JATZ0272
	CARBON RES. 1/6W J 2.7k Ω	132A272T
R 410	CARBON RES. 1/6W J 10k Ω or	RCX6JATZ0103
	CARBON RES. 1/4W J 10k Ω or	RCX4JATZ0103
	CARBON RES. 1/6W J 10k Ω	132A103T
R 411	CARBON RES. 1/6W J 10k Ω or	RCX6JATZ0103
	CARBON RES. 1/4W J 10k Ω or	RCX4JATZ0103
	CARBON RES. 1/6W J 10k Ω	132A103T
R 412	CARBON RES. 1/6W J 10k Ω or	RCX6JATZ0103
	CARBON RES. 1/4W J 10k Ω or	RCX4JATZ0103
	CARBON RES. 1/6W J 10k Ω	132A103T
R 413	CARBON RES. 1/6W J 2.7k Ω or	RCX6JATZ0272
	CARBON RES. 1/4W J 2.7k Ω or	RCX4JATZ0272
	CARBON RES. 1/6W J 2.7k Ω or	132A272T
	CHIP RES. 1/10W J 2.7k Ω	RRXAJBBZ0272
R 414	CARBON RES. 1/6W J 560 Ω or	RCX6JATZ0561
	CARBON RES. 1/4W J 560 Ω or	RCX4JATZ0561
	CARBON RES. 1/6W J 560 Ω or	132A561T
	CHIP RES. 1/10W J 560 Ω	RRXAJBBZ0561
R 415	CARBON RES. 1/6W J 390 Ω or	RCX6JATZ0391
	CARBON RES. 1/4W J 390 Ω or	RCX4JATZ0391

Ref. No.	Description	Part No.
	CARBON RES. 1/6W J 390 Ω or	132A391T
	CHIP RES. 1/10W J 390 Ω	RRXAJBBZ0391
R 416	CARBON RES. 1/6W J 1.8k Ω or	RCX6JATZ0182
	CARBON RES. 1/4W J 1.8k Ω or	RCX4JATZ0182
	CARBON RES. 1/6W J 1.8k Ω	132A182T
R 417	CARBON RES. 1/6W J 2.7k Ω or	RCX6JATZ0272
	CARBON RES. 1/4W J 2.7k Ω or	RCX4JATZ0272
	CARBON RES. 1/6W J 2.7k Ω or	132A272T
	CHIP RES. 1/10W J 2.7k Ω	RRXAJBBZ0272
R 418	CARBON RES. 1/6W J 3.3k Ω or	RCX6JATZ0332
	CARBON RES. 1/4W J 3.3k Ω or	RCX4JATZ0332
	CARBON RES. 1/6W J 3.3k Ω	132A332T
R 419	CARBON RES. 1/6W J 2.2k Ω or	RCX6JATZ0222
	CARBON RES. 1/4W J 2.2k Ω or	RCX4JATZ0222
	CARBON RES. 1/6W J 2.2k Ω	132A222T
R 420	CARBON RES. 1/6W J 18k Ω or	RCX6JATZ0183
	CARBON RES. 1/4W J 18k Ω or	RCX4JATZ0183
	CARBON RES. 1/6W J 18k Ω or	132A183T
	CHIP RES. 1/10W J 18k Ω	RRXAJBBZ0183
R 421	CARBON RES. 1/6W J 2.2k Ω or	RCX6JATZ0222
	CARBON RES. 1/4W J 2.2k Ω or	RCX4JATZ0222
	CARBON RES. 1/6W J 2.2k Ω or	132A222T
	CHIP RES. 1/10W J 2.2k Ω	RRXAJBBZ0222
R 422	CARBON RES. 1/6W J 4.7k Ω or	RCX6JATZ0472
	CARBON RES. 1/4W J 4.7k Ω or	RCX4JATZ0472
	CARBON RES. 1/6W J 4.7k Ω or	132A472T
	CHIP RES. 1/10W J 4.7k Ω	RRXAJBBZ0472
R 423	CARBON RES. 1/6W J 470 Ω or	RCX6JATZ0471
	CARBON RES. 1/4W J 470 Ω or	RCX4JATZ0471
	CARBON RES. 1/6W J 470 Ω or	132A471T
	CHIP RES. 1/10W J 470 Ω	RRXAJBBZ0471
R 424	CARBON RES. 1/6W J 6.8k Ω or	RCX6JATZ0682
	CARBON RES. 1/4W J 6.8k Ω or	RCX4JATZ0682
	CARBON RES. 1/6W J 6.8k Ω or	132A682T
	CHIP RES. 1/10W J 6.8k Ω	RRXAJBBZ0682
R 425	CARBON RES. 1/6W J 1k Ω or	RCX6JATZ0102
	CARBON RES. 1/4W J 1k Ω or	RCX4JATZ0102
	CARBON RES. 1/6W J 1k Ω or	132A102T
	CHIP RES. 1/10W J 1k Ω	RRXAJBBZ0102
R 426	CARBON RES. 1/6W J 47k Ω or	RCX6JATZ0473
	CARBON RES. 1/4W J 47k Ω or	RCX4JATZ0473
	CARBON RES. 1/6W J 47k Ω or	132A473T
	CHIP RES. 1/10W J 47k Ω	RRXAJBBZ0473
R 427	PCB JUMPER D0.6-P5.0	JW5.0T
R 428	CARBON RES. 1/6W J 1M Ω or	RCX6JATZ0105
	CARBON RES. 1/4W J 1M Ω or	RCX4JATZ0105
	CARBON RES. 1/6W J 1M Ω or	132A105T
	CHIP RES. 1/10W J 1M Ω	RRXAJBBZ0105
R 429	CARBON RES. 1/6W J 8.2k Ω or	RCX6JATZ0822
	CARBON RES. 1/4W J 8.2k Ω or	RCX4JATZ0822
	CARBON RES. 1/6W J 8.2k Ω	132A822T
R 430	CARBON RES. 1/6W J 22k Ω or	RCX6JATZ0223
	CARBON RES. 1/4W J 22k Ω or	RCX4JATZ0223
	CARBON RES. 1/6W J 22k Ω or	132A223T
	CHIP RES. 1/10W J 22k Ω	RRXAJBBZ0223
R 431	CARBON RES. 1/6W J 820 Ω or	RCX6JATZ0821
	CARBON RES. 1/4W J 820 Ω or	RCX4JATZ0821
	CARBON RES. 1/6W J 820 Ω	132A821T
R 438	CARBON RES. 1/6W J 820 Ω or	RCX6JATZ0821
	CARBON RES. 1/4W J 820 Ω or	RCX4JATZ0821
	CARBON RES. 1/6W J 820 Ω or	132A821T
	CHIP RES. 1/10W J 820 Ω	RRXAJBBZ0821
R 442	CARBON RES. 1/6W J 4.7k Ω or	RCX6JATZ0472
	CARBON RES. 1/4W J 4.7k Ω or	RCX4JATZ0472
	CARBON RES. 1/6W J 4.7k Ω or	132A472T
	CHIP RES. 1/10W J 4.7k Ω	RRXAJBBZ0472

Ref. No.	Description	Part No.
R 443	CARBON RES. 1/6W J 3.9k Ω or	RCX6JATZ0392
	CARBON RES. 1/4W J 3.9k Ω or	RCX4JATZ0392
	CARBON RES. 1/6W J 3.9k Ω or	132A392T
	CHIP RES. 1/10W J 3.9k Ω	RRXAJBBZ0392
R 444	CARBON RES. 1/6W J 22k Ω or	RCX6JATZ0223
	CARBON RES. 1/4W J 22k Ω or	RCX4JATZ0223
	CARBON RES. 1/6W J 22k Ω or	132A223T
	CHIP RES. 1/10W J 22k Ω	RRXAJBBZ0223
R 445	CARBON RES. 1/6W J 10k Ω or	RCX6JATZ0103
	CARBON RES. 1/4W J 10k Ω or	RCX4JATZ0103
	CARBON RES. 1/6W J 10k Ω	132A103T
R 446	CARBON RES. 1/6W J 680 Ω or	RCX6JATZ0681
	CARBON RES. 1/4W J 680 Ω or	RCX4JATZ0681
	CARBON RES. 1/6W J 680 Ω or	132A681T
	CHIP RES. 1/10W J 680 Ω	RRXAJBBZ0681
R 447	CARBON RES. 1/6W J 1.2k Ω or	RCX6JATZ0122
	CARBON RES. 1/4W J 1.2k Ω or	RCX4JATZ0122
	CARBON RES. 1/6W J 1.2k Ω	132A122T
R 448	CARBON RES. 1/6W J 330 Ω or	RCX6JATZ0331
	CARBON RES. 1/4W J 330 Ω or	RCX4JATZ0331
	CARBON RES. 1/6W J 330 Ω or	132A331T
	CHIP RES. 1/10W J 330 Ω	RRXAJBBZ0331
R 450	CARBON RES. 1/6W J 1k Ω or	RCX6JATZ0102
	CARBON RES. 1/4W J 1k Ω or	RCX4JATZ0102
	CARBON RES. 1/6W J 1k Ω or	132A102T
	CHIP RES. 1/10W J 1k Ω	RRXAJBBZ0102
R 451	CARBON RES. 1/6W J 390 Ω or	RCX6JATZ0391
	CARBON RES. 1/4W J 390 Ω or	RCX4JATZ0391
	CARBON RES. 1/6W J 390 Ω	132A391T
R 452	CARBON RES. 1/6W J 390 Ω or	RCX6JATZ0391
	CARBON RES. 1/4W J 390 Ω or	RCX4JATZ0391
	CARBON RES. 1/6W J 390 Ω or	132A391T
	CHIP RES. 1/10W J 390 Ω	RRXAJBBZ0391
R 453	CARBON RES. 1/6W J 1k Ω or	RCX6JATZ0102
	CARBON RES. 1/4W J 1k Ω or	RCX4JATZ0102
	CARBON RES. 1/6W J 1k Ω	132A102T
R 454	CARBON RES. 1/6W J 10k Ω or	RCX6JATZ0103
	CARBON RES. 1/4W J 10k Ω or	RCX4JATZ0103
	CARBON RES. 1/6W J 10k Ω	132A103T
R 455	CARBON RES. 1/6W J 10k Ω or	RCX6JATZ0103
	CARBON RES. 1/4W J 10k Ω or	RCX4JATZ0103
	CARBON RES. 1/6W J 10k Ω or	132A103T
	CHIP RES. 1/10W J 10k Ω	RRXAJBBZ0103
R 456	CARBON RES. 1/6W J 10k Ω or	RCX6JATZ0103
	CARBON RES. 1/4W J 10k Ω or	RCX4JATZ0103
	CARBON RES. 1/6W J 10k Ω	132A103T
R 457	CARBON RES. 1/6W J 100 Ω or	RCX6JATZ0101
	CARBON RES. 1/4W J 100 Ω or	RCX4JATZ0101
	CARBON RES. 1/6W J 100 Ω	132A101T
R 458	CARBON RES. 1/6W J 2.2k Ω or	RCX6JATZ0222
	CARBON RES. 1/4W J 2.2k Ω or	RCX4JATZ0222
	CARBON RES. 1/6W J 2.2k Ω or	132A222T
	CHIP RES. 1/10W J 2.2k Ω	RRXAJBBZ0222
R 459	CARBON RES. 1/6W J 1.5k Ω or	RCX6JATZ0152
	CARBON RES. 1/4W J 1.5k Ω or	RCX4JATZ0152
	CARBON RES. 1/6W J 1.5k Ω	132A152T
R 460	CARBON RES. 1/6W J 3.9k Ω or	RCX6JATZ0392
	CARBON RES. 1/4W J 3.9k Ω or	RCX4JATZ0392
	CARBON RES. 1/6W J 3.9k Ω or	132A392T
	CHIP RES. 1/10W J 3.9k Ω	RRXAJBBZ0392
R 461	CARBON RES. 1/6W J 1.5k Ω or	RCX6JATZ0152
	CARBON RES. 1/4W J 1.5k Ω or	RCX4JATZ0152
	CARBON RES. 1/6W J 1.5k Ω	132A152T
R 462	CARBON RES. 1/6W J 3.9k Ω or	RCX6JATZ0392
	CARBON RES. 1/4W J 3.9k Ω or	RCX4JATZ0392
	CARBON RES. 1/6W J 3.9k Ω or	132A392T

Ref. No.	Description	Part No.
	CHIP RES. 1/10W J 3.9k Ω	RRXAJBBZ0392
R 463	CARBON RES. 1/6W J 820 Ω or	RCX6JATZ0821
	CARBON RES. 1/4W J 820 Ω or	RCX4JATZ0821
	CARBON RES. 1/6W J 820 Ω or	132A821T
	CHIP RES. 1/10W J 820 Ω	RRXAJBBZ0821
R 464	CARBON RES. 1/6W J 1k Ω or	RCX6JATZ0102
	CARBON RES. 1/4W J 1k Ω or	RCX4JATZ0102
	CARBON RES. 1/6W J 1k Ω or	132A102T
	CHIP RES. 1/10W J 1k Ω	RRXAJBBZ0102
R 465	CARBON RES. 1/6W J 1.5k Ω or	RCX6JATZ0152
	CARBON RES. 1/4W J 1.5k Ω or	RCX4JATZ0152
	CARBON RES. 1/6W J 1.5k Ω or	132A152T
	CHIP RES. 1/10W J 1.5k Ω	RRXAJBBZ0152
R 466	CARBON RES. 1/6W J 8.2k Ω or	RCX6JATZ0822
	CARBON RES. 1/4W J 8.2k Ω or	RCX4JATZ0822
	CARBON RES. 1/6W J 8.2k Ω or	132A822T
	CHIP RES. 1/10W J 8.2k Ω	RRXAJBBZ0822
R 467	CARBON RES. 1/6W J 27k Ω or	RCX6JATZ0273
	CARBON RES. 1/4W J 27k Ω or	RCX4JATZ0273
	CARBON RES. 1/6W J 27k Ω	132A273T
R 468	CARBON RES. 1/6W J 8.2k Ω or	RCX6JATZ0822
	CARBON RES. 1/4W J 8.2k Ω or	RCX4JATZ0822
	CARBON RES. 1/6W J 8.2k Ω or	132A822T
	CHIP RES. 1/10W J 8.2k Ω	RRXAJBBZ0822
R 469	CARBON RES. 1/6W J 5.6k Ω or	RCX6JATZ0562
	CARBON RES. 1/4W J 5.6k Ω or	RCX4JATZ0562
	CARBON RES. 1/6W J 5.6k Ω or	132A562T
	CHIP RES. 1/10W J 5.6k Ω	RRXAJBBZ0562
R 470	CARBON RES. 1/6W J 820 Ω or	RCX6JATZ0821
	CARBON RES. 1/4W J 820 Ω or	RCX4JATZ0821
	CARBON RES. 1/6W J 820 Ω or	132A821T
	CHIP RES. 1/10W J 820 Ω	RRXAJBBZ0821
R 471	CARBON RES. 1/6W J 100 Ω or	RCX6JATZ0101
	CARBON RES. 1/4W J 100 Ω or	RCX4JATZ0101
	CARBON RES. 1/6W J 100 Ω	132A101T
R 473	CARBON RES. 1/6W J 220 Ω or	RCX6JATZ0221
	CARBON RES. 1/4W J 220 Ω or	RCX4JATZ0221
	CARBON RES. 1/6W J 220 Ω	132A221T
R 474	CARBON RES. 1/6W J 10k Ω or	RCX6JATZ0103
	CARBON RES. 1/4W J 10k Ω or	RCX4JATZ0103
	CARBON RES. 1/6W J 10k Ω or	132A103T
	CHIP RES. 1/10W J 10k Ω	RRXAJBBZ0103
R 475	CARBON RES. 1/6W J 10k Ω or	RCX6JATZ0103
	CARBON RES. 1/4W J 10k Ω or	RCX4JATZ0103
	CARBON RES. 1/6W J 10k Ω or	132A103T
	CHIP RES. 1/10W J 10k Ω	RRXAJBBZ0103
R 476	CARBON RES. 1/6W J 220 Ω or	RCX6JATZ0221
	CARBON RES. 1/4W J 220 Ω or	RCX4JATZ0221
	CARBON RES. 1/6W J 220 Ω	132A221T
R 477	CARBON RES. 1/6W J 220 Ω or	RCX6JATZ0221
	CARBON RES. 1/4W J 220 Ω or	RCX4JATZ0221
	CARBON RES. 1/6W J 220 Ω	132A221T
R 481	CARBON RES. 1/6W J 470 Ω or	RCX6JATZ0471
	CARBON RES. 1/4W J 470 Ω or	RCX4JATZ0471
	CARBON RES. 1/6W J 470 Ω	132A471T
R 484	CARBON RES. 1/6W J 680 Ω or	RCX6JATZ0681
	CARBON RES. 1/4W J 680 Ω or	RCX4JATZ0681
	CARBON RES. 1/6W J 680 Ω	132A681T
R 485	CARBON RES. 1/6W J 270 Ω or	RCX6JATZ0271
	CARBON RES. 1/4W J 270 Ω or	RCX4JATZ0271
	CARBON RES. 1/6W J 270 Ω	132A271T
R 486	CARBON RES. 1/6W J 270 Ω or	RCX6JATZ0271
	CARBON RES. 1/4W J 270 Ω or	RCX4JATZ0271
	CARBON RES. 1/6W J 270 Ω or	132A271T
	CHIP RES. 1/10W J 270 Ω	RRXAJBBZ0271
R 487	CARBON RES. 1/6W J 1k Ω or	RCX6JATZ0102

Ref. No.	Description	Part No.
	CARBON RES. 1/4W J 1k Ω or	RCX4JATZ0102
	CARBON RES. 1/6W J 1k Ω	132A102T
R 488	CARBON RES. 1/6W J 82k Ω or	RCX6JATZ0823
	CARBON RES. 1/4W J 82k Ω or	RCX4JATZ0823
	CARBON RES. 1/6W J 82k Ω or	132A823T
	CHIP RES. 1/10W J 82k Ω	RRXAJBBZ0823
R 492	CARBON RES. 1/6W J 820 Ω or	RCX6JATZ0821
	CARBON RES. 1/4W J 820 Ω or	RCX4JATZ0821
	CARBON RES. 1/6W J 820 Ω	132A821T
R 660	CARBON RES. 1/6W J 22k Ω or	RCX6JATZ0223
	CARBON RES. 1/4W J 22k Ω or	RCX4JATZ0223
	CARBON RES. 1/6W J 22k Ω or	132A223T
	CHIP RES. 1/10W J 22k Ω	RRXAJBBZ0223
R 661	METAL RESISTOR 1/2W J 12 Ω or	RNX2120ZU001
	METAL RES. 1/2W J 12 Ω or	RNX2120UB500
	METAL RES. 1/2W J 12 Ω or	RNX2120KA014
	METAL RES. 1/2W J 12 Ω or	RNX2JZDZ0120
	METAL RES. 1/2W J 12 Ω or	RNX2120PY001
	METAL RES. 1/2W J 12 Ω or	RNX2120HH001
	METAL RES. 1/2W J 12 Ω	RNX2120XG001
R 662	CARBON RES. 1/6W J 6.8k Ω or	RCX6JATZ0682
	CARBON RES. 1/4W J 6.8k Ω or	RCX4JATZ0682
	CARBON RES. 1/6W J 6.8k Ω or	132A682T
	CHIP RES. 1/10W J 6.8k Ω	RRXAJBBZ0682
R 663	CARBON RES. 1/6W J 6.8k Ω or	RCX6JATZ0682
	CARBON RES. 1/4W J 6.8k Ω or	RCX4JATZ0682
	CARBON RES. 1/6W J 6.8k Ω or	132A682T
	CHIP RES. 1/10W J 6.8k Ω	RRXAJBBZ0682
R 664	METAL RES. 1/2W J 2.2 Ω or	RNX22R2UB500
	METAL RES. 1/2W J 2.2 Ω or	RNX22R2PY001
	METAL RES. 1/2W J 2.2 Ω or	RNX22R2HH001
	METAL RES. 1/2W J 2.2 Ω	RNX22R2XG001
R 665	CARBON RES. 1/6W J 1k Ω or	RCX6JATZ0102
	CARBON RES. 1/4W J 1k Ω or	RCX4JATZ0102
	CARBON RES. 1/6W J 1k Ω	132A102T
R 666	CARBON RES. 1/6W J 3.9k Ω or	RCX6JATZ0392
	CARBON RES. 1/4W J 3.9k Ω or	RCX4JATZ0392
	CARBON RES. 1/6W J 3.9k Ω	132A392T
R 701	CARBON RES. 1/6W J 100 Ω or	RCX6JATZ0101
	CARBON RES. 1/4W J 100 Ω or	RCX4JATZ0101
	CARBON RES. 1/6W J 100 Ω	132A101T
R 702	CARBON RES. 1/6W J 1k Ω or	RCX6JATZ0102
	CARBON RES. 1/4W J 1k Ω or	RCX4JATZ0102
	CARBON RES. 1/6W J 1k Ω or	132A102T
	CHIP RES. 1/10W J 1k Ω	RRXAJBBZ0102
R 703	CARBON RES. 1/6W J 1k Ω or	RCX6JATZ0102
	CARBON RES. 1/4W J 1k Ω or	RCX4JATZ0102
	CARBON RES. 1/6W J 1k Ω or	132A102T
	CHIP RES. 1/10W J 1k Ω	RRXAJBBZ0102
R 704	CARBON RES. 1/6W J 6.8k Ω or	RCX6JATZ0682
	CARBON RES. 1/4W J 6.8k Ω or	RCX4JATZ0682
	CARBON RES. 1/6W J 6.8k Ω or	132A682T
	CHIP RES. 1/10W J 6.8k Ω	RRXAJBBZ0682
R 705	CARBON RES. 1/6W J 3.3k Ω or	RCX6JATZ0332
	CARBON RES. 1/4W J 3.3k Ω or	RCX4JATZ0332
	CARBON RES. 1/6W J 3.3k Ω	132A332T
R 706	CARBON RES. 1/6W J 10k Ω or	RCX6JATZ0103
	CARBON RES. 1/4W J 10k Ω or	RCX4JATZ0103
	CARBON RES. 1/6W J 10k Ω or	132A103T
	CHIP RES. 1/10W J 10k Ω	RRXAJBBZ0103
R 707	CARBON RES. 1/6W J 75 Ω or	RCX6JATZ0750
	CARBON RES. 1/4W J 75 Ω or	RCX4JATZ0750
	CARBON RES. 1/6W J 75 Ω or	132A750T
	CHIP RES. 1/10W J 75 Ω	RRXAJBBZ0750
R 708	CARBON RES. 1/6W J 1k Ω or	RCX6JATZ0102
	CARBON RES. 1/4W J 1k Ω or	RCX4JATZ0102

Ref. No.	Description	Part No.
	CARBON RES. 1/6W J 1k Ω	132A102T
R 709	CARBON RES. 1/6W J 22k Ω or	RCX6JATZ0223
	CARBON RES. 1/4W J 22k Ω or	RCX4JATZ0223
	CARBON RES. 1/6W J 22k Ω	132A223T
R 710	CARBON RES. 1/6W J 22k Ω or	RCX6JATZ0223
	CARBON RES. 1/4W J 22k Ω or	RCX4JATZ0223
	CARBON RES. 1/6W J 22k Ω or	132A223T
	CHIP RES. 1/10W J 22k Ω	RRXAJBBZ0223
R 711	CARBON RES. 1/6W J 47k Ω or	RCX6JATZ0473
	CARBON RES. 1/4W J 47k Ω or	RCX4JATZ0473
	CARBON RES. 1/6W J 47k Ω	132A473T
R 712	CARBON RES. 1/6W J 47k Ω or	RCX6JATZ0473
	CARBON RES. 1/4W J 47k Ω or	RCX4JATZ0473
	CARBON RES. 1/6W J 47k Ω or	132A473T
	CHIP RES. 1/10W J 47k Ω	RRXAJBBZ0473
R 713	CARBON RES. 1/6W J 820 Ω or	RCX6JATZ0821
	CARBON RES. 1/4W J 820 Ω or	RCX4JATZ0821
	CARBON RES. 1/6W J 820 Ω	132A821T
R 714	CARBON RES. 1/6W J 820 Ω or	RCX6JATZ0821
	CARBON RES. 1/4W J 820 Ω or	RCX4JATZ0821
	CARBON RES. 1/6W J 820 Ω or	132A821T
	CHIP RES. 1/10W J 820 Ω	RRXAJBBZ0821
R 715	CARBON RES. 1/6W J 10k Ω or	RCX6JATZ0103
	CARBON RES. 1/4W J 10k Ω or	RCX4JATZ0103
	CARBON RES. 1/6W J 10k Ω or	132A103T
	CHIP RES. 1/10W J 10k Ω	RRXAJBBZ0103
R 716	CARBON RES. 1/6W J 15k Ω or	RCX6JATZ0153
	CARBON RES. 1/4W J 15k Ω or	RCX4JATZ0153
	CARBON RES. 1/6W J 15k Ω or	132A153T
	CHIP RES. 1/10W J 15k Ω	RRXAJBBZ0153
R 717	CARBON RES. 1/6W J 22k Ω or	RCX6JATZ0223
	CARBON RES. 1/4W J 22k Ω or	RCX4JATZ0223
	CARBON RES. 1/6W J 22k Ω or	132A223T
	CHIP RES. 1/10W J 22k Ω	RRXAJBBZ0223
R 718	CARBON RES. 1/6W J 22k Ω or	RCX6JATZ0223
	CARBON RES. 1/4W J 22k Ω or	RCX4JATZ0223
	CARBON RES. 1/6W J 22k Ω	132A223T
R 719	CARBON RES. 1/6W J 75 Ω or	RCX6JATZ0750
	CARBON RES. 1/4W J 75 Ω or	RCX4JATZ0750
	CARBON RES. 1/6W J 75 Ω or	132A750T
	CHIP RES. 1/10W J 75 Ω	RRXAJBBZ0750
R 720	CARBON RES. 1/6W J 22k Ω or	RCX6JATZ0223
	CARBON RES. 1/4W J 22k Ω or	RCX4JATZ0223
	CARBON RES. 1/6W J 22k Ω or	132A223T
	CHIP RES. 1/10W J 22k Ω	RRXAJBBZ0223
R 722	CARBON RES. 1/6W J 2.2k Ω or	RCX6JATZ0222
	CARBON RES. 1/4W J 2.2k Ω or	RCX4JATZ0222
	CARBON RES. 1/6W J 2.2k Ω or	132A222T
	CHIP RES. 1/10W J 2.2k Ω	RRXAJBBZ0222
R 723	CARBON RES. 1/6W J 5.6k Ω or	RCX6JATZ0562
	CARBON RES. 1/4W J 5.6k Ω or	RCX4JATZ0562
	CARBON RES. 1/6W J 5.6k Ω or	132A562T
	CHIP RES. 1/10W J 5.6k Ω	RRXAJBBZ0562
R 724	CARBON RES. 1/6W J 22k Ω or	RCX6JATZ0223
	CARBON RES. 1/4W J 22k Ω or	RCX4JATZ0223
	CARBON RES. 1/6W J 22k Ω	132A223T
R 725	CARBON RES. 1/6W J 1k Ω or	RCX6JATZ0102
	CARBON RES. 1/4W J 1k Ω or	RCX4JATZ0102
	CARBON RES. 1/6W J 1k Ω or	132A102T
	CHIP RES. 1/10W J 1k Ω	RRXAJBBZ0102
R 726	CARBON RES. 1/6W J 18k Ω or	RCX6JATZ0183
	CARBON RES. 1/4W J 18k Ω or	RCX4JATZ0183
	CARBON RES. 1/6W J 18k Ω or	132A183T
	CHIP RES. 1/10W J 18k Ω	RRXAJBBZ0183
R 801	METAL RESISTOR 1W J 12 Ω or	RN01120ZU001
	METAL RESISTOR 1W J 12 Ω or	RN01120UB001

Ref. No.	Description	Part No.
	METAL RESISTOR 1W J 12 Ω or	RN01120KE006
	METAL RES. 1W J 12 Ω or	RN01120KA006
	METAL RESISTOR 1W J 12 Ω or	RN01JZDZ0120
	METAL RESISTOR 1W J 12 Ω or	RN01120PY001
	METAL RESISTOR 1W J 12 Ω or	RN01120HH001
	METAL RES. 1W J 12 Ω	RN01120XG001
R 802	CARBON RES. 1/6W J 3.3k Ω or	RCX6JATZ0332
	CARBON RES. 1/4W J 3.3k Ω or	RCX4JATZ0332
	CARBON RES. 1/6W J 3.3k Ω	132A332T
R 803	CARBON RES. 1/6W J 2.2k Ω or	RCX6JATZ0222
	CARBON RES. 1/4W J 2.2k Ω or	RCX4JATZ0222
	CARBON RES. 1/6W J 2.2k Ω or	132A222T
	CHIP RES. 1/10W J 2.2k Ω	RRXAJBBZ0222
R 804	CARBON RES. RD 1/4W J 1.5M Ω	RCX4JAXZ0155
R 807	CARBON RES. 1/6W J 150 Ω or	RCX6JATZ0151
	CARBON RES. 1/4W J 150 Ω or	RCX4JATZ0151
	CARBON RES. 1/6W J 150 Ω	132A151T
R 808	CARBON RES. 1/6W J 470 Ω or	RCX6JATZ0471
	CARBON RES. 1/4W J 470 Ω or	RCX4JATZ0471
	CARBON RES. 1/6W J 470 Ω or	132A471T
	CHIP RES. 1/10W J 470 Ω	RRXAJBBZ0471
R 810	CARBON RES. 1/6W J 56 Ω or	RCX6JATZ0560
	CARBON RES. 1/4W J 56 Ω or	RCX4JATZ0560
	CARBON RES. 1/6W J 56 Ω or	132A560T
	CHIP RES. 1/10W J 56 Ω	RRXAJBBZ0560
R 811	CARBON RES. 1/6W J 56 Ω or	RCX6JATZ0560
	CARBON RES. 1/4W J 56 Ω or	RCX4JATZ0560
	CARBON RES. 1/6W J 56 Ω or	132A560T
	CHIP RES. 1/10W J 56 Ω	RRXAJBBZ0560
R 851	CARBON RES. 1/6W J 10 Ω or	RCX6JATZ0100
	CARBON RES. 1/4W J 10 Ω or	RCX4JATZ0100
	CARBON RES. 1/6W J 10 Ω	132A100T
R 852	CARBON RES. 1/6W J 220 Ω or	RCX6JATZ0221
	CARBON RES. 1/4W J 220 Ω or	RCX4JATZ0221
	CARBON RES. 1/6W J 220 Ω or	132A221T
	CHIP RES. 1/10W J 220 Ω	RRXAJBBZ0221
R 853	CARBON RES. 1/6W J 15 Ω or	RCX6JATZ0150
	CARBON RES. 1/4W J 15 Ω or	RCX4JATZ0150
	CARBON RES. 1/6W J 15 Ω	132A150T
R 854	CARBON RES. 1/6W J 47 Ω or	RCX6JATZ0470
	CARBON RES. 1/4W J 47 Ω or	RCX4JATZ0470
	CARBON RES. 1/6W J 47 Ω	132A470T
R 855	CARBON RES. 1/6W J 4.7k Ω or	RCX6JATZ0472
	CARBON RES. 1/4W J 4.7k Ω or	RCX4JATZ0472
	CARBON RES. 1/6W J 4.7k Ω or	132A472T
	CHIP RES. 1/10W J 4.7k Ω	RRXAJBBZ0472
R 856	CARBON RES. 1/6W J 4.7 Ω or	RCX6JATZ04R7
	CARBON RES. 1/4W J 4.7 Ω or	RCX4JATZ04R7
	CARBON RES. 1/6W J 4.7 Ω or	132A479T
	CHIP RES. 1/10W J 4.7 Ω	RRXAJBBZ04R7
R 857	CARBON RES. 1/6W J 150k Ω or	RCX6JATZ0154
	CARBON RES. 1/4W J 150k Ω or	RCX4JATZ0154
	CARBON RES. 1/6W J 150k Ω or	132A154T
	CHIP RES. 1/10W J 150k Ω	RRXAJBBZ0154
R 858	CARBON RES. 1/6W J 330k Ω or	RCX6JATZ0334
	CARBON RES. 1/4W J 330k Ω or	RCX4JATZ0334
	CARBON RES. 1/6W J 330k Ω or	132A334T
	CHIP RES. 1/10W J 330k Ω	RRXAJBBZ0334
R 859	CARBON RES. 1/6W J 120 Ω or	RCX6JATZ0121
	CARBON RES. 1/4W J 120 Ω or	RCX4JATZ0121
	CARBON RES. 1/6W J 120 Ω or	132A121T
	CHIP RES. 1/10W J 120 Ω	RRXAJBBZ0121
R 860	CARBON RES. 1/6W J 12k Ω or	RCX6JATZ0123
	CARBON RES. 1/4W J 12k Ω or	RCX4JATZ0123
	CARBON RES. 1/6W J 12k Ω or	132A123T
	CHIP RES. 1/10W J 12k Ω	RRXAJBBZ0123

Ref. No.	Description	Part No.
R 861	CARBON RES. 1/6W J 5.6k Ω or	RCX6JATZ0562
	CARBON RES. 1/4W J 5.6k Ω or	RCX4JATZ0562
	CARBON RES. 1/6W J 5.6k Ω	132A562T
R 862	CARBON RES. 1/6W J 3.9k Ω or	RCX6JATZ0392
	CARBON RES. 1/4W J 3.9k Ω or	RCX4JATZ0392
	CARBON RES. 1/6W J 3.9k Ω	132A392T
R 863	CARBON RES. 1/6W J 4.7k Ω or	RCX6JATZ0472
	CARBON RES. 1/4W J 4.7k Ω or	RCX4JATZ0472
	CARBON RES. 1/6W J 4.7k Ω or	132A472T
	CHIP RES. 1/10W J 4.7k Ω	RRXAJBBZ0472
R 864	CARBON RES. 1/6W J 470 Ω or	RCX6JATZ0471
	CARBON RES. 1/4W J 470 Ω or	RCX4JATZ0471
	CARBON RES. 1/6W J 470 Ω	132A471T
R 865	CARBON RES. RD 1/4W J 1.8M Ω	RCX4JAXZ0185
R 866	CARBON RES. 1/6W J 1.8k Ω or	RCX6JATZ0182
	CARBON RES. 1/4W J 1.8k Ω or	RCX4JATZ0182
	CARBON RES. 1/6W J 1.8k Ω	132A182T
R 868	CARBON RES. 1/6W J 1.2k Ω or	RCX6JATZ0122
	CARBON RES. 1/4W J 1.2k Ω or	RCX4JATZ0122
	CARBON RES. 1/6W J 1.2k Ω	132A122T
R 869	CARBON RES. 1/6W J 1.8k Ω or	RCX6JATZ0182
	CARBON RES. 1/4W J 1.8k Ω or	RCX4JATZ0182
	CARBON RES. 1/6W J 1.8k Ω	132A182T
R 870	CARBON RES. 1/6W J 2.2k Ω or	RCX6JATZ0222
	CARBON RES. 1/4W J 2.2k Ω or	RCX4JATZ0222
	CARBON RES. 1/6W J 2.2k Ω or	132A222T
	CHIP RES. 1/10W J 2.2k Ω	RRXAJBBZ0222
R 871	CARBON RES. 1/6W J 22k Ω or	RCX6JATZ0223
	CARBON RES. 1/4W J 22k Ω or	RCX4JATZ0223
	CARBON RES. 1/6W J 22k Ω or	132A223T
	CHIP RES. 1/10W J 22k Ω	RRXAJBBZ0223
R 872	CARBON RES. 1/6W J 4.7k Ω or	RCX6JATZ0472
	CARBON RES. 1/4W J 4.7k Ω or	RCX4JATZ0472
	CARBON RES. 1/6W J 4.7k Ω	132A472T
R 873	CARBON RES. 1/6W J 180 Ω or	RCX6JATZ0181
	CARBON RES. 1/4W J 180 Ω or	RCX4JATZ0181
	CARBON RES. 1/6W J 180 Ω or	132A181T
	CHIP RES. 1/10W J 180 Ω	RRXAJBBZ0181
R 901	CARBON RES. 1/6W J 1k Ω or	RCX6JATZ0102
	CARBON RES. 1/4W J 1k Ω or	RCX4JATZ0102
	CARBON RES. 1/6W J 1k Ω	132A102T
R 902	CARBON RES. 1/6W J 1k Ω or	RCX6JATZ0102
	CARBON RES. 1/4W J 1k Ω or	RCX4JATZ0102
	CARBON RES. 1/6W J 1k Ω or	132A102T
	CHIP RES. 1/10W J 1k Ω	RRXAJBBZ0102
R 903	CARBON RES. 1/6W J 470 Ω or	RCX6JATZ0471
	CARBON RES. 1/4W J 470 Ω or	RCX4JATZ0471
	CARBON RES. 1/6W J 470 Ω	132A471T
R 951	CARBON RES. 1/6W J 10k Ω or	RCX6JATZ0103
	CARBON RES. 1/4W J 10k Ω or	RCX4JATZ0103
	CARBON RES. 1/6W J 10k Ω	132A103T
R 952	CARBON RES. 1/6W J 1.5k Ω or	RCX6JATZ0152
	CARBON RES. 1/4W J 1.5k Ω or	RCX4JATZ0152
	CARBON RES. 1/6W J 1.5k Ω or	132A152T
	CHIP RES. 1/10W J 1.5k Ω	RRXAJBBZ0152
R 953	CARBON RES. 1/6W J 1.5k Ω or	RCX6JATZ0152
	CARBON RES. 1/4W J 1.5k Ω or	RCX4JATZ0152
	CARBON RES. 1/6W J 1.5k Ω or	132A152T
	CHIP RES. 1/10W J 1.5k Ω	RRXAJBBZ0152
R 954	CARBON RES. 1/6W J 2.2k Ω or	RCX6JATZ0222
	CARBON RES. 1/4W J 2.2k Ω or	RCX4JATZ0222
	CARBON RES. 1/6W J 2.2k Ω or	132A222T
	CHIP RES. 1/10W J 2.2k Ω	RRXAJBBZ0222
R 955	CARBON RES. 1/6W J 2.7k Ω or	RCX6JATZ0272
	CARBON RES. 1/4W J 2.7k Ω or	RCX4JATZ0272
	CARBON RES. 1/6W J 2.7k Ω or	132A272T
	CHIP RES. 1/10W J 2.7k Ω	RRXAJBBZ0272
R 956	CARBON RES. 1/6W J 4.7k Ω or	RCX6JATZ0472
	CARBON RES. 1/4W J 4.7k Ω or	RCX4JATZ0472
	CARBON RES. 1/6W J 4.7k Ω or	132A472T
	CHIP RES. 1/10W J 4.7k Ω	RRXAJBBZ0472
R 960	CARBON RES. 1/6W J 10k Ω or	RCX6JATZ0103
	CARBON RES. 1/4W J 10k Ω or	RCX4JATZ0103
	CARBON RES. 1/6W J 10k Ω	132A103T
R 961	CARBON RES. 1/6W J 1.5k Ω or	RCX6JATZ0152
	CARBON RES. 1/4W J 1.5k Ω or	RCX4JATZ0152
	CARBON RES. 1/6W J 1.5k Ω or	132A152T
	CHIP RES. 1/10W J 1.5k Ω	RRXAJBBZ0152
R 962	CARBON RES. 1/6W J 1.5k Ω or	RCX6JATZ0152
	CARBON RES. 1/4W J 1.5k Ω or	RCX4JATZ0152
	CARBON RES. 1/6W J 1.5k Ω or	132A152T
	CHIP RES. 1/10W J 1.5k Ω	RRXAJBBZ0152
R 963	CARBON RES. 1/6W J 2.2k Ω or	RCX6JATZ0222
	CARBON RES. 1/4W J 2.2k Ω or	RCX4JATZ0222
	CARBON RES. 1/6W J 2.2k Ω or	132A222T
	CHIP RES. 1/10W J 2.2k Ω	RRXAJBBZ0222
R 964	CARBON RES. 1/6W J 2.7k Ω or	RCX6JATZ0272
	CARBON RES. 1/4W J 2.7k Ω or	RCX4JATZ0272
	CARBON RES. 1/6W J 2.7k Ω or	132A272T
	CHIP RES. 1/10W J 2.7k Ω	RRXAJBBZ0272
R 965	CARBON RES. 1/6W J 4.7k Ω or	RCX6JATZ0472
	CARBON RES. 1/4W J 4.7k Ω or	RCX4JATZ0472
	CARBON RES. 1/6W J 4.7k Ω or	132A472T
	CHIP RES. 1/10W J 4.7k Ω	RRXAJBBZ0472
R 970	CARBON RES. 1/4W J 1 Ω	RCX4JATZ01R0
R 971	CARBON RES. 1/4W J 1 Ω	RCX4JATZ01R0
R 972	CARBON RES. 1/4W J 1 Ω	RCX4JATZ01R0
R 973	CARBON RES. 1/6W J 10k Ω or	RCX6JATZ0103
	CARBON RES. 1/4W J 10k Ω or	RCX4JATZ0103
	CARBON RES. 1/6W J 10k Ω	132A103T
R 974	CARBON RES. 1/6W J 2.2k Ω or	RCX6JATZ0222
	CARBON RES. 1/4W J 2.2k Ω or	RCX4JATZ0222
	CARBON RES. 1/6W J 2.2k Ω	132A222T
R 975	CARBON RES. 1/6W J 1M Ω or	RCX6JATZ0105
	CARBON RES. 1/4W J 1M Ω or	RCX4JATZ0105
	CARBON RES. 1/6W J 1M Ω	132A105T
	SWITCH	
SW 221	PUSH SWITCH SPPB61 or	SSP0102AL001
	PUSH SWITCH JPS1120-0601H	SSP0102SR001
SW 951	TACTILE SWITCH SKHHAM or	SST0101AL029
	PUSH SWITCH EVQ21505R or	5622158Y
	PUSH SWITCH KSM0612B	SST0101HH003
SW 952	TACTILE SWITCH SKHHAM or	SST0101AL029
	PUSH SWITCH EVQ21505R or	5622158Y
	PUSH SWITCH KSM0612B	SST0101HH003
SW 953	TACTILE SWITCH SKHHAM or	SST0101AL029
	PUSH SWITCH EVQ21505R or	5622158Y
	PUSH SWITCH KSM0612B	SST0101HH003
SW 954	TACTILE SWITCH SKHHAM or	SST0101AL029
	PUSH SWITCH EVQ21505R or	5622158Y
	PUSH SWITCH KSM0612B	SST0101HH003
SW 955	TACTILE SWITCH SKHHAM or	SST0101AL029
	PUSH SWITCH EVQ21505R or	5622158Y
	PUSH SWITCH KSM0612B	SST0101HH003
SW 957	TACTILE SWITCH SKHHAM or	SST0101AL029
	PUSH SWITCH EVQ21505R or	5622158Y
	PUSH SWITCH KSM0612B	SST0101HH003
SW 958	TACTILE SWITCH SKHHAM or	SST0101AL029
	PUSH SWITCH EVQ21505R or	5622158Y
	PUSH SWITCH KSM0612B	SST0101HH003
SW 959	TACTILE SWITCH SKHHAM or	SST0101AL029
	PUSH SWITCH EVQ21505R or	5622158Y

Ref. No.	Description	Part No.
	PUSH SWITCH KSM0612B	SST0101HH003
SW 960	TACTILE SWITCH SKHHAM or	SST0101AL029
	PUSH SWITCH EVQ21505R or	5622158Y
	PUSH SWITCH KSM0612B	SST0101HH003
SW 961	TACTILE SWITCH SKHHAM or	SST0101AL029
	PUSH SWITCH EVQ21505R or	5622158Y
	PUSH SWITCH KSM0612B	SST0101HH003
	VARIABLE RESISTORS	
VR 401	CARBON P.O.T. 5k Ω B or	138J780
	CARBON P.O.T. 4.7k Ω B or	638A472
	CARBON P.O.T. 5k Ω B or	138N780
	CARBON P.O.T. 5k Ω B(H) or	VRCB502HH009
	CARBON P.O.T. 5k Ω B	VRCB502HH007
VR 402	CARBON P.O.T. 2k Ω B or	138J778
	CARBON P.O.T. 2.2k Ω B or	638A222
	CARBON P.O.T. 2k Ω B or	138N778
	CARBON P.O.T. 2k Ω B(H) or	VRCB202HH009
	CARBON P.O.T. 2k Ω B	VRCB202HH007
CRYSTAL OSCILLATORS		
X 201	CRYSTAL 32kHz(10PPM) or	1811351
	CRYSTAL 32kHz(10PPM)	1811350
X 202	CRYSTAL 13.300857MHz	FXE136LDS001
X 301	CERAMIC RESONATOR CSB503F18	FY0504PMR001
X 302	CRYSTAL 3.579545MHz or	FXC355TCU001
	CRYSTAL 3.58MHz	1811291
X 304	CRYSTAL 4.43MHz	1811387
X 401	CRYSTAL 4.433619MHz	1811388
	MISCELLANEOUS	
CF 302	CERAMIC FILTER 5.5MHz or	FBB555PMR004
	CERAMIC FILTER 5.5MHz	FBB555PMS001
CF 303	CERAMIC TRAP EFCS5M7MW5P	FBE575PMS002
CLN 6	WIRE ASSEMBLY(1P) 1C L=220MM	WX1B7750-012
CLN 7	WIRE ASSEMBLY(1P) 1C L=60MM	WX1B7750-014
CLN 8	WIRE ASSEMBLY(1P) 1C L=35MM	WX1B7750-013
CLN 12	WIRE ASSEMBLY(1P) 1C L=300MM	WX1B7750-016
JK 702	SCART JACK 21P 035 0 9849 00 or	JXGL210QT001
	SCART JACK 21P MKF 6340-6-10-2121 or	JXGL210XZ001
	SCART JACK 21P HRC-21V-02P or	JXGL210RP001
	SCART JACK 21P HXC1536-010011 or	JSZZ000HD001
	SCART JACK 21P or	1780187
	SCART JACK 21P or	JXGL210NF001
	SCART JACK 21P	1780260
JK 801	EARPHONE JACK LGY6501-0600 or	JYSL030SR001
	EARPHONE JACK HSJ1403-01-010	JYSL030HD002
RS 201	REMOCON RECEIVER PIC-12042SRB	USESJRSKK016
SF 31	SAW FILTER G1961M(38.9M)	FBB386PEB002
TB 3	SHIELD AUDIO B5753YZ	0EM300983
TB 5	FIBER(8X4.5XT1.0) B5600UZ	0EM402861
TB 6	PLATE GROUND V6000PZ or	0VM406991
	PLATE GROUND V4000PA	0VM406158
TB 8	PCB HOLDER B5785BZ	0EM403434
TB 9	BUSH LED(B) R8700U6:VD5674	6N50114
TL 1	SCREW P-TIGHT 3X10 BIND HEAD	GBMP3100
TU 1	TUNER UNIT TELE4X023A	UTUNPLBAL004
	BUSH LED(B) R8700U6:VD5674	6N50114
	LEAD CLAMPER 100MM or	1790356
	LEAD CLAMPER or	1790256

SUB CBA

Ref. No.	Description	Part No.
	SUB CBA Consists of the following :	0ESA01601
	Power Supply CBA	———
	H/V CBA	———
	CRT CBA	———

Power Supply CBA

Ref. No.	Description	Part No.
	Power Supply CBA Consists of the following:	———
	CAPACITORS	
C 601	CERAMIC CAP. 330pF/2KV or	CCD3DKP0B331
	CERAMIC CAP. 330pF/2KV or	6220582
	CERAMIC CAP. 330pF/2KV [For Model MV3410T]	CCD3DKD0B331
C 602	ELECTROLYTIC CAP. 120μF/400V SMS or	CA2H121SM001
	ELECTROLYTIC CAP. 120μF/400V LQ or	CA2H121NC013
	ELECTROLYTIC CAP. 120μF/400V LQ D=25MM or	CA2H121NC027
	ELECTROLYTIC CAP. 120μF/400V	CA2H121MS024
C 603	PORIESTER FILM CAP. 0.1μF/50V J or	CA1J104LL006
	MYLAR CAP. 0.1μF/50V J or	CMA1JJS00104
	STACKED METALLIZED FILM CAP. 0.1μF/50V J or	122Z309S
	STACKED METALLIZED FILM CAP. 0.1μF/50V J	125U104S
C 604	ELECTROLYTIC CAP. 47μF/10V M	CE1AMASDL470
C 605	CERAMIC CAP. 0.0022μF/250V or	CCD2EZA0E222
	CERAMIC CAP. 0.0022μF/250V	CCH2EZP0E222
C 606	CERAMIC CAP. 0.0022μF/250V or	CCD2EZA0E222
	CERAMIC CAP. 0.0022μF/250V	CCH2EZP0E222
C 607	CERAMIC CAP. 0.0022μF/250V or	CCD2EZA0E222
	CERAMIC CAP. 0.0022μF/250V	CCH2EZP0E222
C 608	CERAMIC CAP. 0.0022μF/250V or	CCD2EZA0E222
	CERAMIC CAP. 0.0022μF/250V	CCH2EZP0E222
C 609	PORIESTER FILM CAP. 0.01μF/50V K or	CA1J103LL007
	MYLAR CAP. 0.01μF/50V J or	CMA1JJS00103
	MYLAR CAP. 0.01μF/50V K or	2250103S
	MYLAR CAP. 0.01μF/50V K	1250103S
C 610 ⚠	METALLIZED FILM CAP. 0.1μF/250V M or	122Z181
	METALLIZED FILM CAP. 0.1μF/250V M	CA2E104MS005
C 611	CERAMIC CAP. 0.0033μF/2KV or	CCD3DKP0B332
	CERAMIC CAP. 0.0033μF/2KV or	6220588
	CERAMIC CAP. 0.0033μF/2KV	CCD3DKD0B332
C 613	MYLAY CAP. 0.001μF/50V K or	CA1J102LL007
	MYLAY CAP. 0.001μF/50V K or	CMA1JJS00102
	MYLAY CAP. 0.001μF/50V K or	2250102S
	MYLAY CAP. 0.001μF/50V K [For Model MV4810T]	1250102S
C 614	PORIESTER FILM CAP. 0.0022μF/50V K or	CA1J222LL007
	MYLAR CAP. 0.0022μF/50V J or	CMA1JJS00222
	MYLAR CAP. 0.0022μF/50V K or	2250222S
	MYLAR CAP. 0.0022μF/50V K	1250222S
C 616 ⚠	SAFETY CAP. 0.01μF/AC250V KC [For Model MV3410T]	CCG2BMD0F103
C 616 ⚠	SAFETY CAP. 4700pF/AC250V or	CCG2HZP0Z472
	SAFETY CAP. 4700pF/AC250V [For Model MV4810T]	CA2B472MR018
C 617 ⚠	SAFETY CAP. 0.01μF/AC250V KC [For Model MV3410T]	CCG2BMD0F103
C 617 ⚠	SAFETY CAP. 4700pF/AC250V or	CCG2HZP0Z472
	SAFETY CAP. 4700pF/AC250V [For Model MV4810T]	CA2B472MR018
C 619	PCB JUMPER D0.6-P10.0 [For Model MV3410T]	JW10.0T

Ref. No.	Description	Part No.
C 619	CERAMIC CAP. BN 470pF/2KV	CCD3DKA0B471
	[For Model MV4810T]	
C 621	ELECTROLYTIC CAP. 100µF/160V or	CE2CMZDDL101
	ELECTROLYTIC CAP. 100µF/160V or	CE2CMZNDL101
	ELECTROLYTIC CAP. 100µF/160V M W/F	CE2CMZNTL101
C 622	ELECTROLYTIC CAP. 1000µF/16V M or	CE1CMZPTL102
	ELECTROLYTIC CAP. 1000µF/16V M(VR/HC)	CE1CMZNTL102
C 623	ELECTROLYTIC CAP. 1000µF/10V M	CE1AMZPDL102
C 624	ELECTROLYTIC CAP. 1000µF/16V M or	CE1CMZPTL102
	ELECTROLYTIC CAP. 1000µF/16V M(VR/HC)	CE1CMZNTL102
C 625	ELECTROLYTIC CAP. 100µF/10V M	CE1AMASDL101
C 626	ELECTROLYTIC CAP. 33µF/10V M	CE1AMASDL330
C 627	CERAMIC CAP.(AX) F Z 0.01µF/25V	CDA1EZT0F103
C 630 ⚠	METALLIZED FILM CAP. 0.1µF/250V M or	122Z181
	METALLIZED FILM CAP. 0.1µF/250V M	CA2E104MS005
C 640	CERAMIC CAP.(AX) B K 150pF/50V	CCA1JKT0B151
	CONNECTORS	
CN 605	CONNECTOR BASE 2P TV-50P-02-V1 or	J3TVC02TG001
	CONNECTOR BASE 2P RTB-1.5-2P or	J3RTC02JG001
	CONNECTOR BASE 2P YKF21-0005	1780276
CN601B	CONNECTOR 10P TUC-P10X-B1	JCTUS10TG001
CN602A	CONNECTOR BASE 7P TUC-P07P-B1	J3TUA07TG001
	DIODES	
D 601	ZENER DIODE UZ-15BSB	QDTB00UZ15BS
D 602	ZENER DIODE UZ-6.2BSB	QDTB0UZ6R2BS
	[For Model MV3410T]	
D 602	ZENER DIODE UZ-7.5BSB	QDTB0UZ7R5BS
	[For Model MV4810T]	
D 603	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1N4148M or	QDTZ01N4148M
	SWITCHING DIODE GMB01-BT or	GMB01BT
	DIODE 1SS176TPA7	1SS176T
D 604	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1N4148M or	QDTZ01N4148M
	SWITCHING DIODE GMB01-BT or	GMB01BT
	DIODE 1SS176TPA7	1SS176T
D 605	RECTIFIER DIODE ERB12-10L3	QDQZ0ERB1210
D 606	RECTIFIER DIODE ERB12-10L3	QDQZ0ERB1210
D 607	RECTIFIER DIODE ERB12-10L3	QDQZ0ERB1210
D 608	RECTIFIER DIODE ERB12-10L3	QDQZ0ERB1210
D 609	FAST RECOVERY DIODE ERB44-08L3	AERB4408L300
D 610	FAST RECOVERY DIODE ERD38-06 L7	QDAZ0ERD3806
	[For Model MV3410T]	
D 610	FAST RECOVERY DIODE ERD38-06 L	AERD3806L000
	[For Model MV4810T]	
D 611	SCHOTTKY BARRIER DIODE ERB84-009L6 or	QD5ZERB84009
	DIODE ERC30-02L38	AERC3002L300
D 612	DIODE ERA83-006-KFRB	QDSZERA83006
D 613	SCHOTTKY BARRIER DIODE ERB84-009L6 or	QD5ZERB84009
	DIODE ERC30-02L38	AERC3002L300
D 614	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1N4148M or	QDTZ01N4148M
	SWITCHING DIODE GMB01-BT or	GMB01BT
	DIODE 1SS176TPA7	1SS176T
D 615	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1N4148M or	QDTZ01N4148M
	SWITCHING DIODE GMB01-BT or	GMB01BT
	DIODE 1SS176TPA7	1SS176T
D 616	FAST RECOVERY DIODE ERB44-08L3	AERB4408L300
D 617	ZENER DIODE UZ-3.3BSB	QDTB0UZ3R3BS
D 618	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1N4148M or	QDTZ01N4148M
	SWITCHING DIODE GMB01-BT or	GMB01BT
	DIODE 1SS176TPA7	1SS176T
D 619	IC L5631 or	L5631
	IC L5630	L5630
D 620	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1N4148M or	QDTZ01N4148M
	SWITCHING DIODE GMB01-BT or	GMB01BT
	DIODE 1SS176TPA7	1SS176T
D 624	RECTIFIER DIODE 1Z150(LC6) or	QD4Z0001Z150
	RECTIFIER DIODE R2M LF-B1	QDDZ00000R2M
D 625	ZENER DIODE UZ-6.8BSB	QDTB0UZ6R8BS
D 628	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1N4148M or	QDTZ01N4148M
	SWITCHING DIODE GMB01-BT or	GMB01BT
	DIODE 1SS176TPA7	1SS176T
	ICS	
IC 601 ⚠	PHOTO COUPLER LTV817M(A) or	NPEA0LTV817M
	PHOTO COUPLER LTV817M(B) or	NPEB0LTV817M
	PHOTO COUPLER PC120FY	QPEZ0PC120FY
	COILS	
BC 601	BEAD INDUCTORS 1-03-BAR-510X or	LLBF00ZF8001
	BEAD INDUCTORS B16RH3.5X10X1.3X2 or	LLBF00ZXM001
	BEAD INDUCTOR BL02RN2-R62	1190038
BC 602	BEAD INDUCTORS 1-03-BAR-510X or	LLBF00ZF8001
	BEAD INDUCTORS B16RH3.5X10X1.3X2 or	LLBF00ZXM001
	BEAD INDUCTOR BL02RN2-R62	1190038
BC 603	PCB JUMPER D0.6-P5.0	JW5.0T
	[For Model MV3410T]	
BC 603	BEAD INDUCTOR 1-03-BAR-510X or	LLBF00ZF8001
	BEAD INDUCTOR B16RH3.5X10X1.3X2 or	LLBF00ZXM001
	BEAD INDUCTOR BL02RN2-R62	1190038
	[For Model MV4810T]	
BC 606	PCB JUMPER D0.6-P5.0	JW5.0T
	[For Model MV3410T]	
BC 606	BEAD INDUCTORS 1-03-BAR-510X or	LLBF00ZF8001
	BEAD INDUCTORS B16RH3.5X10X1.3X2 or	LLBF00ZXM001
	BEAD INDUCTORS BL02RN2-R62	1190038
	[For Model MV4810T]	
BC 607	BEAD INDUCTORS 1-03-BAR-510X or	LLBF00ZF8001
	BEAD INDUCTORS B16RH3.5X10X1.3X2 or	LLBF00ZXM001
	BEAD INDUCTORS BL02RN2-R62	1190038
	[For Model MV4810T]	
BC 609	BEAD INDUCTORS 1-03-BAR-510X or	LLBF00ZF8001
	BEAD INDUCTORS B16RH3.5X10X1.3X2 or	LLBF00ZXM001
	BEAD INDUCTOR BL02RN2-R62	1190038
	TRANSISTORS	
Q 601 ⚠	FET 2SK2056	QF4Z02SK2056
	[For Model MV3410T]	
Q 601 ⚠	FET 2SK2320	QF5Z02SK2320
	[For Model MV4810T]	
Q 602	TRANSISTOR KTC3199(GR) or	NQS10KTC3199
	TRANSISTOR KTC3198GR TO-92 or	NQS40KTC3198
	TRANSISTOR 2SC536SP(E) or	2SC536SEZ
	TRANSISTOR 2SC536SP(F) or	2SC536SFZ
	TRANSISTOR 2SC3331(T)-AANP or	2SC3331TZ
	TRANSISTOR 2SC3331(U)-AANP or	2SC3331UZ
	TRANSISTOR 2SC1815-GR-TPE2	QQS102SC1815
Q 603	TRANSISTOR KTC3199(GR) or	NQS10KTC3199
	TRANSISTOR KTC3198GR TO-92 or	NQS40KTC3198
	TRANSISTOR 2SC536SP(E) or	2SC536SEZ
	TRANSISTOR 2SC536SP(F) or	2SC536SFZ
	TRANSISTOR 2SC3331(T)-AANP or	2SC3331TZ
	TRANSISTOR 2SC3331(U)-AANP or	2SC3331UZ
	TRANSISTOR 2SC1815-GR-TPE2	QQS102SC1815
Q 604	TRANSISTOR 2SB698(F) or	QQSF002SB698
	TRANSISTOR 2SB698(G)	QQSG002SB698
Q 605	TRANSISTOR KTC3199(GR) or	NQS10KTC3199
	TRANSISTOR KTC3198GR TO-92 or	NQS40KTC3198

Ref. No.	Description	Part No.
	TRANSISTOR 2SC536SP(E) or	2SC536SEZ
	TRANSISTOR 2SC536SP(F) or	2SC536SFZ
	TRANSISTOR 2SC3331(T)-AANP or	2SC3331TZ
	TRANSISTOR 2SC3331(U)-AANP or	2SC3331UZ
	TRANSISTOR 2SC1815-GR-TPE2	QQS102SC1815
Q 606	TRANSISTOR KTC3199(GR) or	NQS10KTC3199
	TRANSISTOR KTC3198GR TO-92 or	NQS40KTC3198
	TRANSISTOR 2SC536SP(E) or	2SC536SEZ
	TRANSISTOR 2SC536SP(F) or	2SC536SFZ
	TRANSISTOR 2SC3331(T)-AANP or	2SC3331TZ
	TRANSISTOR 2SC3331(U)-AANP or	2SC3331UZ
	TRANSISTOR 2SC1815-GR-TPE2	QQS102SC1815
Q 608	TRANSISTOR KTC3199(GR) or	NQS10KTC3199
	TRANSISTOR KTC3198GR TO-92 or	NQS40KTC3198
	TRANSISTOR 2SC536SP(E) or	2SC536SEZ
	TRANSISTOR 2SC536SP(F) or	2SC536SFZ
	TRANSISTOR 2SC3331(T)-AANP or	2SC3331TZ
	TRANSISTOR 2SC3331(U)-AANP or	2SC3331UZ
	TRANSISTOR 2SC1815-GR-TPE2	QQS102SC1815
Q 609	TRANSISTOR KTC3199(GR) or	NQS10KTC3199
	TRANSISTOR KTC3198GR TO-92 or	NQS40KTC3198
	TRANSISTOR 2SC536SP(E) or	2SC536SEZ
	TRANSISTOR 2SC536SP(F) or	2SC536SFZ
	TRANSISTOR 2SC3331(T)-AANP or	2SC3331TZ
	TRANSISTOR 2SC3331(U)-AANP or	2SC3331UZ
	TRANSISTOR 2SC1815-GR-TPE2	QQS102SC1815
Q 610	TRANSISTOR KTC3199(GR) or	NQS10KTC3199
	TRANSISTOR KTC3198GR TO-92 or	NQS40KTC3198
	TRANSISTOR 2SC536SP(E) or	2SC536SEZ
	TRANSISTOR 2SC536SP(F) or	2SC536SFZ
	TRANSISTOR 2SC3331(T)-AANP or	2SC3331TZ
	TRANSISTOR 2SC3331(U)-AANP or	2SC3331UZ
	TRANSISTOR 2SC1815-GR-TPE2	QQS102SC1815
Q 611	TRANSISTOR KTC3199(GR) or	NQS10KTC3199
	TRANSISTOR KTC3198GR TO-92 or	NQS40KTC3198
	TRANSISTOR 2SC536SP(E) or	2SC536SEZ
	TRANSISTOR 2SC536SP(F) or	2SC536SFZ
	TRANSISTOR 2SC3331(T)-AANP or	2SC3331TZ
	TRANSISTOR 2SC3331(U)-AANP or	2SC3331UZ
	TRANSISTOR 2SC1815-GR-TPE2	QQS102SC1815
	RESISTORS	
R 600	CARBON RES. 1/6W J 150k Ω or	RCX6JATZ0154
	CARBON RES. 1/4W J 150k Ω or	RCX4JATZ0154
	CARBON RES. 1/6W J 150k Ω	132A154T
R 601	CARBON RES. 1/6W J 150k Ω or	RCX6JATZ0154
	CARBON RES. 1/4W J 150k Ω or	RCX4JATZ0154
	CARBON RES. 1/6W J 150k Ω	132A154T
R 602	CARBON RES. RD 1/4W J 1.2M Ω	RCX4JAXZ0125
R 603	CARBON RES. 1/6W J 150 Ω or	RCX6JATZ0151
	CARBON RES. 1/4W J 150 Ω or	RCX4JATZ0151
	CARBON RES. 1/6W J 150 Ω	132A151T
R 604	CEMENT RESISTOR 5W K 0.47 Ω or	RW05R47UB001
	CEMENT RES. 5W J 0.47 Ω or	RW05R47LX025
	CEMENT RESISTOR 5W J 0.47 Ω	RW05R47PG001
	[For Model MV3410T]	
R 604	CEMENT RESISTOR 5W K 0.33 Ω or	RW05R33UB001
	CEMENT RES. 5W J 0.33 Ω or	RW05R33LX025
	CEMENT RESISTOR 5W J 0.33 Ω	RW05R33PG001
	[For Model MV4810T]	
R 605	CARBON RES. 1/6W J 560k Ω or	RCX6JATZ0564
	CARBON RES. 1/4W J 560k Ω or	RCX4JATZ0564
	CARBON RES. 1/6W J 560k Ω	132A564T
R 606	CARBON RES. 1/6W J 27k Ω or	RCX6JATZ0273
	CARBON RES. 1/4W J 27k Ω or	RCX4JATZ0273
	CARBON RES. 1/6W J 27k Ω	132A273T
R 607	CARBON RES. RD 1/4W J 2.7M Ω	RCX4JAXZ0275

Ref. No.	Description	Part No.
R 608	CARBON RES. RD 1/4W J 2.2M Ω	RCX4JAXZ0225
	[For Model MV4810T]	
R 609	CEMENT RESISTOR 5W J 150 Ω or	RW05151UB001
	CEMENT RESISTOR 5W K 150 Ω or	RW05151KA006
	CEMENT RESISTOR 5W J 150 Ω or	RW05151LX026
	CEMENT RESISTOR 5W J 150 Ω H=10MM	RW05151PG001
R 611	CARBON RES. 1/6W J 1.2k Ω or	RCX6JATZ0122
	CARBON RES. 1/4W J 1.2k Ω or	RCX4JATZ0122
	CARBON RES. 1/6W J 1.2k Ω	132A122T
R 612	CARBON RES. 1/6W J 220 Ω or	RCX6JATZ0221
	CARBON RES. 1/4W J 220 Ω or	RCX4JATZ0221
	CARBON RES. 1/6W J 220 Ω	132A221T
R 613	CARBON RES. 1/6W J 100 Ω or	RCX6JATZ0101
	CARBON RES. 1/4W J 100 Ω or	RCX4JATZ0101
	CARBON RES. 1/6W J 100 Ω	132A101T
R 614	CARBON RES. RD 1/4W J 2.7M Ω	RCX4JAXZ0275
R 615	CEMENT RES. 5W K 33k Ω or	RW05333UB004
	CEMENT RES. 5W K 33k Ω H=25MM	RW05333KA004
R 616	CARBON RES. 1/6W J 680 Ω or	RCX6JATZ0681
	CARBON RES. 1/4W J 680 Ω or	RCX4JATZ0681
	CARBON RES. 1/6W J 680 Ω	132A681T
R 617	CARBON RES. 1/6W J 390 Ω or	RCX6JATZ0391
	CARBON RES. 1/4W J 390 Ω or	RCX4JATZ0391
	CARBON RES. 1/6W J 390 Ω	132A391T
R 618	CARBON RES. 1/6W J 2.2k Ω or	RCX6JATZ0222
	CARBON RES. 1/4W J 2.2k Ω or	RCX4JATZ0222
	CARBON RES. 1/6W J 2.2k Ω	132A222T
R 619	CARBON RES. RD 1/4W J 2.2M Ω	RCX4JAXZ0225
R 620	CARBON RES. 1/6W J 5.6k Ω or	RCX6JATZ0562
	CARBON RES. 1/4W J 5.6k Ω or	RCX4JATZ0562
	CARBON RES. 1/6W J 5.6k Ω	132A562T
R 621	CARBON RES. 1/6W J 56k Ω or	RCX6JATZ0563
	CARBON RES. 1/4W J 56k Ω or	RCX4JATZ0563
	CARBON RES. 1/6W J 56k Ω	132A563T
R 622	CARBON RES. 1/6W J 120 Ω or	RCX6JATZ0121
	CARBON RES. 1/4W J 120 Ω or	RCX4JATZ0121
	CARBON RES. 1/6W J 120 Ω	132A121T
R 623	CARBON RES. 1/6W J 3.9k Ω or	RCX6JATZ0392
	CARBON RES. 1/4W J 3.9k Ω or	RCX4JATZ0392
	CARBON RES. 1/6W J 3.9k Ω	132A392T
R 624	METAL RES. 2W J 0.47 Ω or	RN02R47UB001
	METAL RES. 2W J 0.47 Ω or	RN02R47KA015
	METAL RES. 2W J 0.47 Ω or	RN02JZDZ0R47
	METAL RES. 2W J 0.47 Ω or	RN02R47PY001
	METAL RES. 2W J 0.47 Ω	RN02R47XG001
R 625	CARBON RES. 1/6W J 1k Ω or	RCX6JATZ0102
	CARBON RES. 1/4W J 1k Ω or	RCX4JATZ0102
	CARBON RES. 1/6W J 1k Ω	132A102T
R 626	CARBON RES. RD 1/4W J 2.2M Ω	RCX4JAXZ0225
R 627	CARBON RES. 1/6W J 39k Ω or	RCX6JATZ0393
	CARBON RES. 1/4W J 39k Ω or	RCX4JATZ0393
	CARBON RES. 1/6W J 39k Ω	132A393T
R 628	CARBON RES. 1/6W J 15k Ω or	RCX6JATZ0153
	CARBON RES. 1/4W J 15k Ω or	RCX4JATZ0153
	CARBON RES. 1/6W J 15k Ω	132A153T
R 629	CARBON RES. 1/6W J 22k Ω or	RCX6JATZ0223
	CARBON RES. 1/4W J 22k Ω or	RCX4JATZ0223
	CARBON RES. 1/6W J 22k Ω	132A223T
R 630	CARBON RES. 1/2W J 3.3M Ω or	RCX2335KA014
	CARBON RES. 1/2W J 3.3M Ω	RCX2335PY001
R 631	CARBON RES. 1/6W J 33k Ω or	RCX6JATZ0333
	CARBON RES. 1/4W J 33k Ω or	RCX4JATZ0333
	CARBON RES. 1/6W J 33k Ω	132A333T
R 632	CARBON RES. 1/6W J 1M Ω or	RCX6JATZ0105
	CARBON RES. 1/4W J 1M Ω or	RCX4JATZ0105
	CARBON RES. 1/6W J 1M Ω	132A105T

Ref. No.	Description	Part No.
R 633	CARBON RES. 1/6W J 820k Ω or	RCX6JATZ0824
	CARBON RES. 1/4W J 820k Ω or	RCX4JATZ0824
	CARBON RES. 1/6W J 820k Ω	132A824T
R 634	CARBON RES. 1/6W J 680k Ω or	RCX6JATZ0684
	CARBON RES. 1/4W J 680k Ω or	RCX4JATZ0684
	CARBON RES. 1/6W J 680k Ω	132A684T
R 635	CARBON RES. 1/6W J 470k Ω or	RCX6JATZ0474
	CARBON RES. 1/4W J 470k Ω or	RCX4JATZ0474
	CARBON RES. 1/6W J 470k Ω	132A474T
R 636	CARBON RES. 1/6W J 2.7k Ω or	RCX6JATZ0272
	CARBON RES. 1/4W J 2.7k Ω or	RCX4JATZ0272
	CARBON RES. 1/6W J 2.7k Ω	132A272T
R 637	CARBON RES. 1/6W J 2.7k Ω or	RCX6JATZ0272
	CARBON RES. 1/4W J 2.7k Ω or	RCX4JATZ0272
	CARBON RES. 1/6W J 2.7k Ω	132A272T
R 638	CARBON RES. 1/6W J 10k Ω or	RCX6JATZ0103
	CARBON RES. 1/4W J 10k Ω or	RCX4JATZ0103
	CARBON RES. 1/6W J 10k Ω	132A103T
R 640	CARBON RES. 1/6W J 820k Ω or	RCX6JATZ0824
	CARBON RES. 1/4W J 820k Ω or	RCX4JATZ0824
	CARBON RES. 1/6W J 820k Ω	132A824T
R 641	CARBON RES. 1/6W J 150k Ω or	RCX6JATZ0154
	CARBON RES. 1/4W J 150k Ω or	RCX4JATZ0154
	CARBON RES. 1/6W J 150k Ω	132A154T
R 642	CARBON RES. 1/6W J 150k Ω or	RCX6JATZ0154
	CARBON RES. 1/4W J 150k Ω or	RCX4JATZ0154
	CARBON RES. 1/6W J 150k Ω	132A154T
R 646	CARBON RES. 1/6W J 22k Ω or	RCX6JATZ0223
	CARBON RES. 1/4W J 22k Ω or	RCX4JATZ0223
	CARBON RES. 1/6W J 22k Ω	132A223T
R 647	CARBON RES. 1/6W J 10k Ω or	RCX6JATZ0103
	CARBON RES. 1/4W J 10k Ω or	RCX4JATZ0103
	CARBON RES. 1/6W J 10k Ω	132A103T
R 653	CARBON RES. 1/6W J 5.6k Ω or	RCX6JATZ0562
	CARBON RES. 1/4W J 5.6k Ω or	RCX4JATZ0562
	CARBON RES. 1/6W J 5.6k Ω	132A562T
R 654	CARBON RES. 1/6W J 5.6k Ω or	RCX6JATZ0562
	CARBON RES. 1/4W J 5.6k Ω or	RCX4JATZ0562
	CARBON RES. 1/6W J 5.6k Ω	132A562T
R 655	CARBON RES. 1/6W J 5.6k Ω or	RCX6JATZ0562
	CARBON RES. 1/4W J 5.6k Ω or	RCX4JATZ0562
	CARBON RES. 1/6W J 5.6k Ω	132A562T
R 657	CARBON RES. 1/6W J 390 Ω or	RCX6JATZ0391
	CARBON RES. 1/4W J 390 Ω or	RCX4JATZ0391
	CARBON RES. 1/6W J 390 Ω	132A391T
R 658	CARBON RES. 1/6W J 3.9k Ω or	RCX6JATZ0392
	CARBON RES. 1/4W J 3.9k Ω or	RCX4JATZ0392
	CARBON RES. 1/6W J 3.9k Ω	132A392T
	VARIABLE RESISTORS	
VR 601	CARBON P.O.T. 500 Ω B or	VRCB501KA011
	CARBON P.O.T. 500 Ω B or	VRCB501MS012
	CARBON P.O.T. 500 Ω B(H) or	VRCB501HH009
	CARBON P.O.T. 500 Ω B	VRCB501HH005
	MISCELLANEOUS	
	HEAT SINK ASSEMBLY(PBU)	0ESA01617
	EYELET TYPE D-1	0VM406868
	LEAD CLAMPER 100MM or	1790356
	LEAD CLAMPER	1790256
CLN601	WIRE ASSEMBLY(10P) 10C L=140MM(4.5MM)	WX1B7750-001
CLN610	WIRE ASSEMBLY(2P) 2C L=70MM	WX1B7750-006
F 601 ⚠	FUSE T4.0AH/250V	PAGC20BAG402
FH 601	FUSE HOLDER FH-V-03078 or	XH01Z00DK001
	FUSE HOLDER EYF 52BC or	XH03Z00MS001
	FUSE HOLDER PFC5000-0202R	XH01Z00SR001
FH 602	FUSE HOLDER FH-V-03078 or	XH01Z00DK001
	FUSE HOLDER EYF 52BC or	XH03Z00MS001

Ref. No.	Description	Part No.
	FUSE HOLDER PFC5000-0202R	XH01Z00SR001
HS 1	HEAT SINK(PBU)ASSEMBLY	0EM403312
	[For Model MV3410T]	
HS 1	HEAT SINK(PBU)ASSEMBLY	0EM403161
	[For Model MV4810T]	
L 603	POT COIL 100μH K	LLARKLAFS101
PS 601 ⚠	POSISTOR ZPB53BL200C or	5790117
	POSISTOR PA2A5200C270Y00	QN4ZPA2A5200
T 601 ⚠	SWITCHING TRANSFORMER 69038	LTT00EPKT003
	[For Model MV3410T]	
T 601 ⚠	SWITCHING TRANSFORMER 69038	LTT00EPKT003
	[For Model MV4810T]	
T 602 ⚠	LINE FILTER ELF-18D290GM or	171N082
	LINE FILTER ELF18D290G-1	LLBG00ZMS034
T 603 ⚠	LINE FILTER ELF-18D290GM or	171N082
	LINE FILTER ELF18D290G-1	LLBG00ZMS034
TL 3	SCREW B-TIGHT 3X8 BIND HEAD+	GBMB3080
W 601 ⚠	AC CORD LA-1843	WAA0212LW002

CRT CBA

Ref. No.	Description	Part No.
	CRT CBA Consists of the following:	————
	CAPACITORS	
C 501	CERAMIC CAP.(AX) B K 330pF/50V	CCA1JKT0B331
C 502	CERAMIC CAP.(AX) B K 270pF/50V	CCA1JKT0B271
C 503	CERAMIC CAP.(AX) B K 470pF/50V	CCA1JKT0B471
C 505	CERAMIC CAP. 0.001μF/2KV or	CCD3DKP0B102
	CERAMIC CAP. 0.001μF/2KV or	6220585
	CERAMIC CAP. 0.001μF/2KV	CCD3DKD0B102
C 531	ELECTROLYTIC CAP. 10μF/16V M	CE1CMASDL100
C 532	ELECTROLYTIC CAP. 10μF/16V M	CE1CMASDL100
C 533	ELECTROLYTIC CAP. 100μF/16V M	CE1CMASDL101
C 534	CERAMIC CAP.(AX) F Z 0.01μF/25V	CDA1EZT0F103
	CONNECTORS	
CN 501	CONNECTOR PIN 1P LV or	1700576
	CONNECTOR PIN 1P RT-01N-2.3A or	1730688
	CONNECTOR PIN 1P LV	JTEA000LC001
CN501B	CONNECTOR 5P TUC-P05X-B1	JCTUS05TG001
	DIODES	
D 531	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1N4148M or	QDTZ01N4148M
	SWITCHING DIODE GMB01-BT or	GMB01BT
	DIODE 1SS176TPA7	1SS176T
	COIL	
L 501	INDUCTOR 180μH K 5FT or	LLARKCSTU181
	INDUCTOR 180μH K 5FT	LLARKDSKA181
	TARANSISTORS	
Q 501	TRANSISTOR 2SC2271(D)-AEMP or	2SC2271DZ
	TRANSISTOR 2SC2271(E)-AEMP or	2SC2271EZ
	TRANSISTOR 2SC2482 TPE6	QQSZ02SC2482
Q 502	TRANSISTOR 2SC2271(D)-AEMP or	2SC2271DZ
	TRANSISTOR 2SC2271(E)-AEMP or	2SC2271EZ
	TRANSISTOR 2SC2482 TPE6	QQSZ02SC2482
Q 503	TRANSISTOR 2SC2271(D)-AEMP or	2SC2271DZ
	TRANSISTOR 2SC2271(E)-AEMP or	2SC2271EZ
	TRANSISTOR 2SC2482 TPE6	QQSZ02SC2482
Q 531	TRANSISTOR KTA1267(GR) or	NQS10KTA1267
	TRANSISTOR KTA1266(GR) or	NQS40KTA1266
	TRANSISTOR 2SA608SP(E) or	2SA608SEZ
	TRANSISTOR 2SA608SP(F) or	2SA608SFZ
	TRANSISTOR 2SA1318(T)-AANP or	2SA1318TZ
	TRANSISTOR 2SA1318(U)-AANP or	2SA1318UZ
	TRANSISTOR 2SA1015-GR-TPE2	QQS102SA1015
	RESISTORS	
R 501	METAL RESISTOR 1W J 15k Ω or	RN01153ZU001

Ref. No.	Description	Part No.
	METAL RESISTOR 1W J 15k Ω or	RN01153UB001
	METAL RESISTOR 1W J 15k Ω or	RN01153KE006
	METAL RESISTOR 1W J 15k Ω or	RN01153KA006
	METAL RESISTOR 1W J 15k Ω or	RN01JZDZ0153
	METAL RESISTOR 1W J 15k Ω or	RN01153PY001
	METAL RESISTOR 1W J 15k Ω or	RN01153HH001
	METAL RESISTOR 1W J 15k Ω	RN01153XG002
R 502	METAL RESISTOR 1W J 15k Ω or	RN01153ZU001
	METAL RESISTOR 1W J 15k Ω or	RN01153UB001
	METAL RESISTOR 1W J 15k Ω or	RN01153KE006
	METAL RESISTOR 1W J 15k Ω or	RN01153KA006
	METAL RESISTOR 1W J 15k Ω or	RN01JZDZ0153
	METAL RESISTOR 1W J 15k Ω or	RN01153PY001
	METAL RESISTOR 1W J 15k Ω or	RN01153HH001
	METAL RESISTOR 1W J 15k Ω	RN01153XG002
R 503	METAL RESISTOR 1W J 15k Ω or	RN01153ZU001
	METAL RESISTOR 1W J 15k Ω or	RN01153UB001
	METAL RESISTOR 1W J 15k Ω or	RN01153KE006
	METAL RESISTOR 1W J 15k Ω or	RN01153KA006
	METAL RESISTOR 1W J 15k Ω or	RN01JZDZ0153
	METAL RESISTOR 1W J 15k Ω or	RN01153PY001
	METAL RESISTOR 1W J 15k Ω or	RN01153HH001
	METAL RESISTOR 1W J 15k Ω	RN01153XG002
R 505	CARBON RES. 1/4W J 3.3k Ω	RCX4JATZ0332
R 507	CARBON RES. 1/4W J 3.3k Ω	RCX4JATZ0332
R 509	CARBON RES. 1/4W J 3.3k Ω	RCX4JATZ0332
R 510	CARBON RES. 1/6W J 47 Ω or	RCX6JATZ0470
	CARBON RES. 1/4W J 47 Ω or	RCX4JATZ0470
	CARBON RES. 1/6W J 47 Ω	132A470T
R 511	CARBON RES. 1/6W J 47 Ω or	RCX6JATZ0470
	CARBON RES. 1/4W J 47 Ω or	RCX4JATZ0470
	CARBON RES. 1/6W J 47 Ω	132A470T
R 512	CARBON RES. 1/6W J 47 Ω or	RCX6JATZ0470
	CARBON RES. 1/4W J 47 Ω or	RCX4JATZ0470
	CARBON RES. 1/6W J 47 Ω	132A470T
R 514	CARBON RES. 1/6W J 1.2k Ω or	RCX6JATZ0122
	CARBON RES. 1/4W J 1.2k Ω or	RCX4JATZ0122
	CARBON RES. 1/6W J 1.2k Ω	132A122T
R 516	CARBON RES. 1/6W J 1.2k Ω or	RCX6JATZ0122
	CARBON RES. 1/4W J 1.2k Ω or	RCX4JATZ0122
	CARBON RES. 1/6W J 1.2k Ω	132A122T
R 518	CARBON RES. 1/6W J 1.2k Ω or	RCX6JATZ0122
	CARBON RES. 1/4W J 1.2k Ω or	RCX4JATZ0122
	CARBON RES. 1/6W J 1.2k Ω	132A122T
R 521	CARBON RES. 1/6W J 820 Ω or	RCX6JATZ0821
	CARBON RES. 1/4W J 820 Ω or	RCX4JATZ0821
	CARBON RES. 1/6W J 820 Ω	132A821T
R 522	CARBON RES. 1/6W J 820 Ω or	RCX6JATZ0821
	CARBON RES. 1/4W J 820 Ω or	RCX4JATZ0821
	CARBON RES. 1/6W J 820 Ω	132A821T
R 523	CARBON RES. 1/6W J 820 Ω or	RCX6JATZ0821
	CARBON RES. 1/4W J 820 Ω or	RCX4JATZ0821
	CARBON RES. 1/6W J 820 Ω	132A821T
R 531	CARBON RES. 1/4W J 3.3k Ω	RCX4JATZ0332
R 532	CARBON RES. 1/6W J 1.5k Ω or	RCX6JATZ0152
	CARBON RES. 1/4W J 1.5k Ω or	RCX4JATZ0152
	CARBON RES. 1/6W J 1.5k Ω	132A152T
R 533	CARBON RES. 1/6W J 470 Ω or	RCX6JATZ0471
	CARBON RES. 1/4W J 470 Ω or	RCX4JATZ0471
	CARBON RES. 1/6W J 470 Ω	132A471T
	MISCELLANEOUS	
HS 2	HEAT SINK(PBT)ASSEMBLY	0EM403305
	[For Model MV3410T]	
HS 2	HEAT SINK(PBT)ASSEMBLY	0EM403112
	[For Model MV4810T]	
HL 1	SCREW B-TIGHT 3X8 BIND HEAD+	GBMB3080

Ref. No.	Description	Part No.
CLN501	WIRE ASSEMBLY(5P) 5C L=190MM(4.5MM)	WX1B5750-005
	[For Model MV3410T]	
CLN501	WIRE ASSEMBLY(5P) 5C L=250MM(4.5MM)	WX1B7750-005
	[For Model MV4810T]	
SK 501 ⚠	CRT SOCKET HPS1171-01-020 or	1780080
	CRT SOCKET ISMM02 or	JSCC220PK001
	CRT SOCKET CVT3308-1301	1780218
	[For Model MV3410T]	
SK 501 ⚠	CRT SOCKET HPS0359-01-020 or	JSCC290HD003
	CRT SOCKET ISH-40S or	JSCC290PK001
	CRT SOCKET CVT3240-0901	1780246
	[For Model MV4810T]	

H/V CBA

Ref. No.	Description	Part No.
	H/V CBA Consists of the following:	----------
	CAPACITORS	
C 540	CERAMIC CAP.(AX) F Z 0.01μF/25V	CDA1EZT0F103
C 541	ELECTROLYTIC CAP. 100μF/16V M	CE1CMASDL101
C 542	PORIESTER FILM CAP. 0.01μF/50V K or	CA1J103LL007
	MYLAR CAP. 0.01μF/50V J or	CMA1JJS00103
	MYLAR CAP. 0.01μF/50V K or	2250103S
	MYLAR CAP. 0.01μF/50V K	1250103S
C 543	ELECTROLYTIC CAP. 1μF/50V M LL	CE1JMASLL010
C 544	ELECTROLYTIC CAP. 100μF/35V M	CE1GMASDL101
C 546	CERAMIC CAP.(AX) SL J 10pF/50V	CCA1JJTSL100
C 547	ELECTROLYTIC CAP. 2.2μF/50V M LL	CE1JMASLL2R2
	[For Model MV3410T]	
C 547	ELECTROLYTIC CAP. 1μF/50V M LL	CE1JMASLL010
	[For Model MV4810T]	
C 548	ELECTROLYTIC CAP. 1000μF/25V M or	CE1EMZPDL102
	ELECTROLYTIC CAP. 1000μF/25V M	CE1EMZNDL102
C 549	MYLAR CAP. 0.056μF/50V K or	CA1J563LL007
	MYLAR CAP. 0.056μF/50V J or	CMA1JJS00563
	MYLAR CAP. 0.056μF/50V KT or	2250563S
	MYLAR CAP. 0.056μF/50V K	1250563S
C 571	METARLIZED FILM CAP. 0.47μF/200V or	CT2E474DT003
	P.P. CAP. 0.47μF/200V J or	CBP2DKD00474
	METALLIZED FILM CAP. 0.47μF/200V J or	122Z256
	METALLIZED FILM CAP. 0.47μF/200V J or	1220511
	METALLIZED FILM CAP. 0.47μF/200V J	CT2D474F7001
	[For Model MV3410T]	
C 571	METARLIZED FILM CAP. 0.68μF/200V or	CT2E684DT003
	P.P. CAP. 0.68μF/200V J or	CBP2DKD00684
	METALLIZED FILM CAP. 0.68μF/200V J or	122Z258
	METALLIZED FILM CAP. 0.68μF/200V J or	1220513
	METALLIZED FILM CAP. 0.68μF/200V J	CT2D684F7001
	[For Model MV4810T]	
C 572	CERAMIC CAP.(AX) B K 330pF/50V	CCA1JKT0B331
C 573	CERAMIC CAP. B K 2200pF/500V	CCD2JKD0B222
C 574	CERAMIC CAP. B K 1000pF/500V	CCD2JKD0B102
C 575	MYLAR CAP. 0.056μF/50V K or	CA1J563LL007
	MYLAR CAP. 0.056μF/50V J or	CMA1JJS00563
	MYLAR CAP. 0.056μF/50V KT or	2250563S
	MYLAR CAP. 0.056μF/50V K	1250563S
C 576	METALLIZED FILM CAP. 0.0068μF/1.6KV J or	CA3C682DT007
	METALLIZED FILM CAP. 0.0068μF/1.6KV J or	122Z283
	METALLIZED FILM CAP. 0.0068μF/1.6KV J	1220498
C 577	CERAMIC CAP. B N J 220pF/2KV	CCD3DKA0B221
	[For Model MV4810T]	
C 578	ELECTROLYTIC CAP. 10μF/100V	CE2AMASDL100
C 579	ELECTROLYTIC CAP. 1μF/160V	CE2CMASDL010
C 580	ELECTROLYTIC CAP. 470μF/35V M or	CE1GMZNDL471
	ELECTROLYTIC CAP. 470μF/35V M	CE1GMZPDL471
C 581	ELECTROLYTIC CAP. 10μF/50V M	CE1JMASDL100

Ref. No.	Description	Part No.
C 582	ELECTROLYTIC CAP. 22µF/160V M or	CE2CMZNTL220
	ELECTROLYTIC CAP. 22µF/160V M or	CE2CMZPDL220
	ELECTROLYTIC CAP. 22µF/160V M W/F	CE2CMZNDL220
C 583	MYLAR CAP. 0.022µF/50V K or	CA1J223LL007
	MYLAR CAP. 0.022µF/50V J or	CMA1JJS00223
	MYLAR CAP. 0.022µF/50V K or	2250223S
	MYLAR CAP. 0.022µF/50V K	1250223S
C 584	CERAMIC CAP. B K 4700pF/500V	CCD2JKD0B472
C 585	CERAMIC CAP. B K 4700pF/500V	CCD2JKD0B472
	CONNECTORS	
CN 571	CONNECTOR BASE 5P or	1730813
	CONNECTOR BASE 5P RTB-1.5-5P or	J3RTC05JG001
	CONNECTOR BASE 5P W-P3005-02	1730812
CN571B	CONNECTOR 9P TUC-P09X-B1	JCTUS09TG001
CN602B	CONNECTOR 7P TUC-P07X-B1	JCTUS07TG001
	DIODES	
D 541	ZENER DIODE UZ-8.2BSB	QDTB0UZ8R2BS
D 542	RECTIFIER DIODE ERA15-02KFRB	QDNZ0ERA1502
D 570	ZENER DIODE UZ-4.7BSB	QDTB0UZ4R7BS
D 571	DIODE ERB12-02L3 or	AERB1202L300
	RECTIFIER DIODE 1N4003MPL	ND4Z001N4003
D 573	FAST RECOVERY DIODE ERB44-04L3	QDQZ0ERB4404
D 574	FAST RECOVERY DIODE ERB44-04L3	QDQZ0ERB4404
D 575	ZENER DIODE UZ-36BSA	QDTA00UZ36BS
D 576	ZENER DIODE UZ-8.2BSB	QDTB0UZ8R2BS
D 577	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1N4148M or	QDTZ01N4148M
	SWITCHING DIODE GMB01-BT or	GMB01BT
	DIODE 1SS176TPA7	1SS176T
D 578	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1N4148M or	QDTZ01N4148M
	SWITCHING DIODE GMB01-BT or	GMB01BT
	DIODE 1SS176TPA7	1SS176T
	IC	
IC 541	IC:VERTICAL OUT LA7837	QSBLA0ZSY003
	COIL	
L 571	POT COIL 100µH K	LLARKLAFS101
	TRANSISTORS	
Q 540	TRANSISTOR KTC3199(GR) or	NQS10KTC3199
	TRANSISTOR KTC3198GR TO-92 or	NQS40KTC3198
	TRANSISTOR 2SC536SP(E) or	2SC536SEZ
	TRANSISTOR 2SC536SP(F) or	2SC536SFZ
	TRANSISTOR 2SC3331(T)-AANP or	2SC3331TZ
	TRANSISTOR 2SC3331(U)-AANP or	2SC3331UZ
	TRANSISTOR 2SC1815-GR-TPE2	QQS102SC1815
Q 541	TRANSISTOR KTA1267(GR) or	NQS10KTA1267
	TRANSISTOR KTA1266 (GR) or	NQS40KTA1266
	TRANSISTOR 2SA608SP(E) or	2SA608SEZ
	TRANSISTOR 2SA608SP(F) or	2SA608SFZ
	TRANSISTOR 2SA1318 (T)-AANP or	2SA1318TZ
	TRANSISTOR 2SA1318(U)-AANP or	2SA1318UZ
	TRANSISTOR 2SA1015-GR-TPE2	QQS102SA1015
	[For Model MV4810T]	
Q 571	TRANSISTOR 2SC2271(D)-AEMP or	2SC2271DZ
	TRANSISTOR 2SC2271(E)-AEMP or	2SC2271EZ
	TRANSISTOR 2SC2482 TPE6	QQSZ02SC2482
Q 572	TRANSISTOR 2SD2331 LS or	QQPZ02SD2331
	TRANSISTOR 2SD1877	Q2SD1877CA00
	[For Model MV3410T]	
Q 572	TRANSISTOR 2SD2333 or	QQPZ02SD2333
	TRANSISTOR 2SD1817	QQ5Z02SD1878
	[For Model MV4810T]	
	RESISTORS	
R 541	CARBON RES. 1/6W J 68k Ω or	RCX6JATZ0683
	CARBON RES. 1/4W J 68k Ω or	RCX4JATZ0683
	CARBON RES. 1/6W J 68k Ω	132A683T

Ref. No.	Description	Part No.
R 542	CARBON RES. 1/6W J 39k Ω or	RCX6JATZ0393
	CARBON RES. 1/4W J 39k Ω or	RCX4JATZ0393
	CARBON RES. 1/6W J 39k Ω	132A393T
	[For Model MV3410T]	
R 542	CARBON RES. 1/6W J 22k Ω or	RCX6JATZ0223
	CARBON RES. 1/4W J 22k Ω or	RCX4JATZ0223
	CARBON RES. 1/6W J 22k Ω	132A223T
	[For Model MV4810T]	
R 543	CARBON RES. 1/6W J 1.5k Ω or	RCX6JATZ0152
	CARBON RES. 1/4W J 1.5k Ω or	RCX4JATZ0152
	CARBON RES. 1/6W J 1.5k Ω	132A152T
R 545	CARBON RES. 1/6W J 1.5k Ω or	RCX6JATZ0152
	CARBON RES. 1/4W J 1.5k Ω or	RCX4JATZ0152
	CARBON RES. 1/6W J 1.5k Ω	132A152T
R 546	CARBON RES. 1/6W J 47k Ω or	RCX6JATZ0473
	CARBON RES. 1/4W J 47k Ω or	RCX4JATZ0473
	CARBON RES. 1/6W J 47k Ω	132A473T
	[For Model MV3410T]	
R 546	CARBON RES. 1/6W J 33k Ω or	RCX6JATZ0333
	CARBON RES. 1/4W J 33k Ω or	RCX4JATZ0333
	CARBON RES. 1/6W J 33k Ω	132A333T
	[For Model MV4810T]	
R 547	CARBON RES. 1/6W J 12k Ω or	RCX6JATZ0123
	CARBON RES. 1/4W J 12k Ω or	RCX4JATZ0123
	CARBON RES. 1/6W J 12k Ω	132A123T
R 548	CARBON RES. 1/6W J 560 Ω or	RCX6JATZ0561
	CARBON RES. 1/4W J 560 Ω or	RCX4JATZ0561
	CARBON RES. 1/6W J 560 Ω	132A561T
R 549	CARBON RES. 1/6W J 560 Ω or	RCX6JATZ0561
	CARBON RES. 1/4W J 560 Ω or	RCX4JATZ0561
	CARBON RES. 1/6W J 560 Ω	132A561T
R 550	CARBON RES. 1/6W J 68k Ω or	RCX6JATZ0683
	CARBON RES. 1/4W J 68k Ω or	RCX4JATZ0683
	CARBON RES. 1/6W J 68k Ω	132A683T
R 551	CARBON RES. 1/6W J 2.7k Ω or	RCX6JATZ0272
	CARBON RES. 1/4W J 2.7k Ω or	RCX4JATZ0272
	CARBON RES. 1/6W J 2.7k Ω	132A272T
	[For Model MV3410T]	
R 551	CARBON RES. 1/6W J 3.3k Ω or	RCX6JATZ0332
	CARBON RES. 1/4W J 3.3k Ω or	RCX4JATZ0332
	CARBON RES. 1/6W J 3.3k Ω	132A332T
	[For Model MV4810T]	
R 552	CARBON RES. 1/4W J 1.5 Ω	RCX4JATZ01R5
R 553	CARBON RES. 1/6W J 1k Ω or	RCX6JATZ0102
	CARBON RES. 1/4W J 1k Ω or	RCX4JATZ0102
	CARBON RES. 1/6W J 1k Ω	132A102T
R 554	CARBON RES. 1/6W J 1.5k Ω or	RCX6JATZ0152
	CARBON RES. 1/4W J 1.5k Ω or	RCX4JATZ0152
	CARBON RES. 1/6W J 1.5k Ω	132A152T
R 555	CARBON RES. 1/6W J 10k Ω or	RCX6JATZ0103
	CARBON RES. 1/4W J 10k Ω or	RCX4JATZ0103
	CARBON RES. 1/6W J 10k Ω	132A103T
	[For Model MV4810T]	
R 556	FUSE RES. 1/4W J 2.2 Ω or	RFX42R2UB002
	FUSE RES. 1/4W J 2.2 Ω or	5366229
	FUSE RES. 1/4W J 2.2 Ω or	RFX42R2QJ001
	FUSE RES. 1/4W J 2.2 Ω or	RFX42R2MS002
	FUSE RES. 1/4W J 2.2 Ω or	RFX42R2HH001
	CARBON RES. 1/6W J 1k Ω or	RCX6JATZ0102
	CARBON RES. 1/4W J 1k Ω or	RCX4JATZ0102
	CARBON RES. 1/6W J 1k Ω	132A102T
R 557	CARBON RES. 1/6W J 47k Ω or	RCX6JATZ0473
	CARBON RES. 1/4W J 47k Ω or	RCX4JATZ0473
	CARBON RES. 1/6W J 47k Ω	132A473T
R 558	CARBON RES. 1/6W J 47k Ω or	RCX6JATZ0473
	CARBON RES. 1/4W J 47k Ω or	RCX4JATZ0473

Ref. No.	Description	Part No.
	CARBON RES. 1/6W J 47k Ω	132A473T
R 570	METAL RESISTOR 2W J 1k Ω or	RN02102ZU001
	METAL RESISTOR 2W J 1k Ω or	RN02102UB001
	METAL RESISTOR 2W J 1k Ω or	RN02102KE007
	METAL RESISTOR 2W J 1k Ω or	RN02102KA015
	METAL RESISTOR 2W J 1k Ω or	RN02JZDZ0102
	METAL RESISTOR 2W J 1k Ω or	RN02102PY001
	METAL RESISTOR 2W J 1k Ω or	RN02102HH001
	METAL RESISTOR 2W J 1k Ω	RN02102XG001
R 571	CARBON RES. 1/6W J 1k Ω or	RCX6JATZ0102
	CARBON RES. 1/4W J 1k Ω or	RCX4JATZ0102
	CARBON RES. 1/6W J 1k Ω	132A102T
R 572	CARBON RES. 1/6W J 5.6k Ω or	RCX6JATZ0562
	CARBON RES. 1/4W J 5.6k Ω or	RCX4JATZ0562
	CARBON RES. 1/6W J 5.6k Ω	132A562T
R 573	CARBON RES. 1/6W J 5.6k Ω or	RCX6JATZ0562
	CARBON RES. 1/4W J 5.6k Ω or	RCX4JATZ0562
	CARBON RES. 1/6W J 5.6k Ω	132A562T
R 574	CEMENT RES. 5W K 2.2k Ω or	RW05222UB001
	CEMENT RES. 5W K 2.2k Ω or	RW05222KA006
	CEMENT RES. 5W J 2.2k Ω or	RW05222LX026
	CEMENT RES. 5W K 2.2k Ω	RW05222PG003
	[For Model MV3410T]	
R 574	CEMENT RES. 5W K 2.2k Ω or	RW05222UB004
	CEMENT RES. 5W K 2.2k Ω or	RW05222KA004
	CEMENT RES. 5W K 2.2k Ω or	RW05222LX024
	CEMENT RES. 5W K 2.2k Ω	RW05222PG002
	[For Model MV4810T]	
R 575	CARBON RES. 1/4W J 0.47 Ω	RCX4JATZ0R47
R 576	METAL RESISTOR 2W J 56 Ω or	RN02560ZU001
	METAL RESISTOR 2W J 56 Ω or	RN02560UB001
	METAL RESISTOR 2W J 56 Ω or	RN02560KE007
	METAL RESISTOR 2W J 56 Ω or	RN02560KA015
	METAL RESISTOR 2W J 56 Ω or	RN02JZDZ0560
	METAL RESISTOR 2W J 56 Ω or	RN02560PY001
	METAL RES. 2W J 56 Ω or	RN02560HH001
	METAL RESISTOR 2W J 56 Ω	RN02560XG002
R 577	FUSE RES. 1W J 3.3 Ω or	RF013R3UB001
	FUSE RES. 1W J 3.3 Ω or	RF013R3KA008
	FUSE RES. 1W J 3.3 Ω or	RF013R3QJ001
	FUSE RES. 1W J 3.3 Ω or	RF013R3MS002
	FUSE RES. 1W J 3.3 Ω	RF013R3HH001
	[For Model MV3410T]	
R 577	FUSE RES. 1W J 1 Ω or	RF011R0HH001
	FUSE RES. 1W J 1 Ω or	RF011R0KA008
	FUSE RES. 1W J 1 Ω or	RF011R0MS002
	FUSE RES. 1W J 1 Ω or	RF011R0QJ001
	FUSE RES. 1W J 1 Ω	RF011R0UB001
	[For Model MV4810T]	
R 578	CARBON RES. 1/6W J 120k Ω or	RCX6JATZ0124
	CARBON RES. 1/4W J 120k Ω or	RCX4JATZ0124
	CARBON RES. 1/6W J 120k Ω	132A124T
R 579	CARBON RES. 1/6W J 22k Ω or	RCX6JATZ0223
	CARBON RES. 1/4W J 22k Ω or	RCX4JATZ0223
	CARBON RES. 1/6W J 22k Ω	132A223T
	[For Model MV3410T]	
R 579	PCB JUMPER D0.6-P5.0	JW5.0T
	[For Model MV4810T]	
R 580	CARBON RES. 1/6W J 1k Ω or	RCX6JATZ0102
	CARBON RES. 1/4W J 1k Ω or	RCX4JATZ0102
	CARBON RES. 1/6W J 1k Ω	132A102T
R 581	CARBON RES. 1/6W J 82k Ω or	RCX6JATZ0823
	CARBON RES. 1/4W J 82k Ω or	RCX4JATZ0823
	CARBON RES. 1/6W J 82k Ω	132A823T
R 582	FUSE RES. 1/2W J 1 Ω or	RFX21R0UB001
	FUSING RES. 1/2W J 1 Ω or	5367109

Ref. No.	Description	Part No.
	FUSE RES. 1/2W J 1 Ω or	RFX21R0QJ001
	FUSE RES. 1/2W J 1 Ω	RFX21R0HH001
	[For Model MV3410T]	
R 582	FUSE RES. 1W J 1 Ω or	RF011R0UB001
	FUSING RES. 1W J 1 Ω or	RF011R0KA008
	FUSE RES. 1W J 1 Ω or	RF011R0QJ001
	FUSE RES. 1W J 1 Ω or	RF011R0MS002
	FUSE RES. 1W J 1 Ω	RF011R0HH001
	[For Model MV4810T]	
R 583	CARBON RES. 1/6W J 68k Ω or	RCX6JATZ0683
	CARBON RES. 1/4W J 68k Ω or	RCX4JATZ0683
	CARBON RES. 1/6W J 68k Ω	132A683T
R 584	CARBON RES. 1/6W J 22k Ω or	RCX6JATZ0223
	CARBON RES. 1/4W J 22k Ω or	RCX4JATZ0223
	CARBON RES. 1/6W J 22k Ω	132A223T
R 585	CARBON RES. 1/6W J 100k Ω or	RCX6JATZ0104
	CARBON RES. 1/4W J 100k Ω or	RCX4JATZ0104
	CARBON RES. 1/6W J 100k Ω	132A104T
R 586	CARBON RES. 1/6W J 33k Ω or	RCX6JATZ0333
	CARBON RES. 1/4W J 33k Ω or	RCX4JATZ0333
	CARBON RES. 1/6W J 33k Ω	132A333T
	[For Model MV3410T]	
R 586	CARBON RES. 1/6W J 39k Ω or	RCX6JATZ0393
	CARBON RES. 1/4W J 39k Ω or	RCX4JATZ0393
	CARBON RES. 1/6W J 39k Ω	132A393T
	[For Model MV4810T]	
R 587	CARBON RES. 1/6W J 33k Ω or	RCX6JATZ0333
	CARBON RES. 1/4W J 33k Ω or	RCX4JATZ0333
	CARBON RES. 1/6W J 33k Ω	132A333T
R 588	CARBON RES. 1/6W J 10k Ω or	RCX6JATZ0103
	CARBON RES. 1/4W J 10k Ω or	RCX4JATZ0103
	CARBON RES. 1/6W J 10k Ω	132A103T
R 589	CARBON RES. 1/4W J 3.3 Ω	RCX4JATZ03R3
	[For Model MV4810T]	
R 590	CARBON RES. 1/6W J 100k Ω or	RCX6JATZ0104
	CARBON RES. 1/4W J 100k Ω or	RCX4JATZ0104
	CARBON RES. 1/6W J 100k Ω	132A104T
R 591	CARBON RES. 1/6W J 22k Ω or	RCX6JATZ0223
	CARBON RES. 1/4W J 22k Ω or	RCX4JATZ0223
	CARBON RES. 1/6W J 22k Ω	132A223T
	[For Model MV3410T]	
R 591	CARBON RES. 1/6W J 18k Ω or	RCX6JATZ0183
	CARBON RES. 1/4W J 18k Ω or	RCX4JATZ0183
	CARBON RES. 1/6W J 18k Ω	132A183T
	[For Model MV4810T]	
R 592	CARBON RES. 1/6W J 1k Ω or	RCX6JATZ0102
	CARBON RES. 1/4W J 1k Ω or	RCX4JATZ0102
	CARBON RES. 1/6W J 1k Ω	132A102T
R 593	CARBON RES. 1/6W J 120k Ω or	RCX6JATZ0124
	CARBON RES. 1/4W J 120k Ω or	RCX4JATZ0124
	CARBON RES. 1/6W J 120k Ω	132A124T
	TRANSFORMER	
T 571 ⚠	H. DRIVE TRANS LP-2	LTH00CPA5001
T 572	FLYBACK TRANS FCK-14B2A or	LTF00CPSM007
	FLYBACK TRANS 154-064W	LTF00CPGS005
	[For Model MV3410T]	
T 572	FLYBACK TRANS FCM-20B013A or	LTF00CPSM008
	FLYBACK TRANS 154-277R	LTF00CPGS009
	[For Model MV4810T]	
	VARIABLE RESISTORS	
VR 541	CARBON P.O.T. 50k Ω B or	VRCB503KA012
	CARBON P.O.T. 47k Ω B or	138A963
	CARBON P.O.T. 50k Ω B(V) or	VRCB503HH008
	CARBON P.O.T. 50k Ω B	VRCB503HH002
VR 594	CARBON P.O.T. 10k Ω B or	VRCB103KA012
	CARBON P.O.T. 10k Ω B or	138A959

Ref. No.	Description	Part No.
	P.O.T. 10k Ω B V or	VRCB103HH008
	CARBON P.O.T. 10k Ω B	VRCB103HH002
	MISCELLANEOUS	
	LEAD CLAMPER 100MM or	1790356
	LEAD CLAMPER	1790256
BC 571	BEAD INDUCTORS 1-03-BAR-510X or	LLBF00ZF8001
	BEAD INDUCTORS B16RH3.5X10X1.3X2 or	LLBF00ZXM001
	BEAD INDUCTOR BL02RN2-R62	1190038
CLN502	WIRE ASSEMBLY(4P) 4C L=430MM(4.5MM) [For Model MV3410T]	WX1B5750-004
CLN502	WIRE ASSEMBLY(4P) 4C L=530MM(4.5MM) [For Model MV4810T]	WX1B7750-004
CLN571	WIRE ASSEMBLY(8P) 8C L=420MM(4.5MM) [For Model MV3410T]	WX1B5750-003
CLN571	WIRE ASSEMBLY(8P) 8C L=500MM(4.5MM) [For Model MV4810T]	WX1B7750-003
CLN602	WIRE ASSEMBLY(7P) 7C L=400MM(4.5MM) [For Model MV3410T]	WX1B5750-002
CLN602	WIRE ASSEMBLY(7P) 7C L=510MM(4.5MM) [For Model MV4810T]	WX1B7750-002

Choke CBA

Ref. No.	Description	Part No.
	Choke CBA Consists of the following:	0ESA01620
	CONNECTOR	
CN 610	CONNECTOR BASE 2P B2P3-VH-3.3	1740799
	RESISTORS	
R 610	CEMENT RESISTOR 5W K 1.2 Ω or	RW051R2UB001
	CEMENT RESISTOR 5W K 1.2 Ω or	RW051R2KA006
	CEMENT RESISTOR 5W J 1.2 Ω or	RW051R2LX025
	CEMENT RESISTOR 5W K 1.2 Ω	RW051R2PG001
	SWITCH	
SW 601	POWER SWITCH(SPST) SDDFC1	SPP0AAZAL001
	MISCELANNEOUS	
CLN611	WIRE ASSEMBLY(2P) 2C L=570MM	WX1B7750-010

Teletext CBA

Ref. No.	Description	Part No.
	TeletextCBA Consists of the following:	0ESA01647
	CAPACITORS	
C 911	CERAMIC CAP.(AX) B K 220pF/50V	CCA1JKT0B221
C 912	CERAMIC CAP.(AX) F Z 0.01μF/25V	CDA1EZT0F103
C 913	CERAMIC CAP.(AX) CH J 15pF/50V	CCA1JJTCH150
C 914	CERAMIC CAP.(AX) CH J 15pF/50V	CCA1JJTCH150
C 915	ELECTROLYTIC CAP. 10μF/50V M	CE1JMASDL100
C 916	SEMICONDUCTOR CAP. SR K 0.1μF/25V or	CDA1EKS0X104
	SEMICONDUCTOR CAP. SR K 0.1μF/25V	12Y2104S
C 917	CERAMIC CAP.(AX) B K 1000pF/50V	CDA1JKT0B102
C 918	CERAMIC CAP.(AX) B K 220pF/50V	CCA1JKT0B221
C 919	CERAMIC CAP.(AX) B K 1000pF/50V	CDA1JKT0B102
C 920	SEMICONDUCTOR CAP. SR K 0.1μF/25V or	CDA1EKS0X104
	SEMICONDUCTOR CAP. SR K 0.1μF/25V	12Y2104S
C 921	CERAMIC CAP.(AX) SL J 47pF/50V	CCA1JJTSL470
C 923	CERAMIC CAP.(AX) B K 330pF/50V	CCA1JKT0B331
C 927	CERAMIC CAP.(AX) F Z 0.01μF/25V	CDA1EZT0F103
C 928	ELECTROLYTIC CAP. 1μF/50V M	CE1JMASDL010
C 929	CERAMIC CAP.(AX) B K 330pF/50V	CCA1JKT0B331
C 930	CERAMIC CAP.(AX) B K 330pF/50V	CCA1JKT0B331
C 931	CERAMIC CAP.(AX) B K 82pF/50V	CCA1JKT0B820
C 932	CERAMIC CAP.(AX) CH J 10pF/50V	CCA1JJTCH100
C 933	SEMICONDUCTOR CAP. SR K 0.1μF/25V or	CDA1EKS0X104
	SEMICONDUCTOR CAP. SR K 0.1μF/25V	12Y2104S
C 934	CERAMIC CAP.(AX) B K 270pF/50V	CCA1JKT0B271
C 935	CERAMIC CAP.(AX) X K 2200pF/16V	CDA1CKT0X222
C 937	ELECTROLYTIC CAP. 220μF/6.3V M	CE0KMASDL221
	CONNECTORS	
CN 901	PCB CONNECTOR 4P TXX-P04P-G1(L TYPE)	1770987
CN 902	PCB CONNETCTOR 7P	1770990
	DIODES	
D 911	DIODE SVC201(CD)	ASVC201SPACD
D 912	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1N4148M or	QDTZ01N4148M
	SWITCHING DIODE GMB01-BT or	GMB01BT
	DIODE 1SS176TPA7	1SS176T
	ICS	
IC 911	IC CF72306	NSMFA0STY001
IC 921	IC:TELETEXT DECODER CF70095ANW	NSZDA0ZTY002
IC 922	IC:RESET MN1380-R	QSMLA0ZMS001
	INDUCTORS	
L 911	INDUCTOR 22μH K 26T or	LLAXKATTU220
	INDUCTOR 22μH K 26T or	LLAXKDTKA220
	MICRO INDUCTOR 22μH J 7	LLAXJATTE220
L 921	VCO COIL:TELETEXT P2158-160-93 or	LFA07V0SF109
	COIL 1.95μH	LFA07V0MM016
L 941	INDUCTOR 47μH K 5FT or	LLARKMSFS470
	INDUCTOR 47μH K 5FT or	LLARKBSTU470
	INDUCTOR 47μH K 5FT	LLARKDSKA470
	TRANSISTOR	
Q 911	TRANSISTOR 2SC536SP(E) or	2SC536SEZ
	TRANSISTOR 2SC536SP(F) or	2SC536SFZ
	TRANSISTOR 2SC3331(T)-AANP or	2SC3331TZ
	TRANSISTOR 2SC3331(U)-AANP or	2SC3331UZ
	TRANSISTOR 2SC1815-GR-TPE2	QQS102SC1815
	RESISTORS	
R 911	CARBON RES. 1/6W J 6.8k Ω or	RCX6JATZ0682
	CARBON RES. 1/4W J 6.8k Ω or	RCX4JATZ0682
	CARBON RES. 1/6W J 6.8k Ω	132A682T
R 912	CARBON RES. 1/6W J 1k Ω or	RCX6JATZ0102
	CARBON RES. 1/4W J 1k Ω or	RCX4JATZ0102
	CARBON RES. 1/6W J 1k Ω	132A102T
R 913	CARBON RES. 1/6W J 2.2k Ω or	RCX6JATZ0222
	CARBON RES. 1/4W J 2.2k Ω or	RCX4JATZ0222
	CARBON RES. 1/6W J 2.2k Ω	132A222T
R 914	CARBON RES. 1/6W J 1k Ω or	RCX6JATZ0102
	CARBON RES. 1/4W J 1k Ω or	RCX4JATZ0102
	CARBON RES. 1/6W J 1k Ω	132A102T
R 915	CARBON RES. 1/6W J 1k Ω or	RCX6JATZ0102
	CARBON RES. 1/4W J 1k Ω or	RCX4JATZ0102
	CARBON RES. 1/6W J 1k Ω	132A102T
R 916	CARBON RES. 1/6W J 6.8k Ω or	RCX6JATZ0682
	CARBON RES. 1/4W J 6.8k Ω or	RCX4JATZ0682
	CARBON RES. 1/6W J 6.8k Ω	132A682T
R 917	CARBON RES. 1/6W J 18k Ω or	RCX6JATZ0183
	CARBON RES. 1/4W J 18k Ω or	RCX4JATZ0183
	CARBON RES. 1/6W J 18k Ω	132A183T
R 918	CARBON RES. 1/6W J 47k Ω or	RCX6JATZ0473
	CARBON RES. 1/4W J 47k Ω or	RCX4JATZ0473
	CARBON RES. 1/6W J 47k Ω	132A473T
R 919	CARBON RES. 1/6W J 220 Ω or	RCX6JATZ0221
	CARBON RES. 1/4W J 220 Ω or	RCX4JATZ0221
	CARBON RES. 1/6W J 220 Ω	132A221T
R 921	CARBON RES. 1/6W J 33k Ω or	RCX6JATZ0333
	CARBON RES. 1/4W J 33k Ω or	RCX4JATZ0333
	CARBON RES. 1/6W J 33k Ω	132A333T
R 922	CARBON RES. 1/6W J 22k Ω or	RCX6JATZ0223
	CARBON RES. 1/4W J 22k Ω or	RCX4JATZ0223
	CARBON RES. 1/6W J 22k Ω	132A223T
R 924	CARBON RES. 1/6W J 10k Ω or	RCX6JATZ0103

Ref. No.	Description	Part No.
	CARBON RES. 1/4W J 10k Ω or	RCX4JATZ0103
	CARBON RES. 1/6W J 10k Ω	132A103T
R 927	CARBON RES. 1/6W J 8.2k Ω or	RCX6JATZ0822
	CARBON RES. 1/4W J 8.2k Ω or	RCX4JATZ0822
	CARBON RES. 1/6W J 8.2k Ω	132A822T
R 928	CARBON RES. 1/6W J 33k Ω or	RCX6JATZ0333
	CARBON RES. 1/4W J 33k Ω or	RCX4JATZ0333
	CARBON RES. 1/6W J 33k Ω	132A333T
R 929	CARBON RES. 1/6W J 10k Ω or	RCX6JATZ0103
	CARBON RES. 1/4W J 10k Ω or	RCX4JATZ0103
	CARBON RES. 1/6W J 10k Ω	132A103T
R 931	CARBON RES. 1/6W J 1.5k Ω or	RCX6JATZ0152
	CARBON RES. 1/4W J 1.5k Ω or	RCX4JATZ0152
	CARBON RES. 1/6W J 1.5k Ω	132A152T
R 932	CARBON RES. 1/6W J 1.5k Ω or	RCX6JATZ0152
	CARBON RES. 1/4W J 1.5k Ω or	RCX4JATZ0152
	CARBON RES. 1/6W J 1.5k Ω	132A152T
R 933	CARBON RES. 1/6W J 1.5k Ω or	RCX6JATZ0152
	CARBON RES. 1/4W J 1.5k Ω or	RCX4JATZ0152
	CARBON RES. 1/6W J 1.5k Ω	132A152T
R 934	CARBON RES. 1/6W J 1k Ω or	RCX6JATZ0102
	CARBON RES. 1/4W J 1k Ω or	RCX4JATZ0102
	CARBON RES. 1/6W J 1k Ω	132A102T
R 935	CARBON RES. 1/6W J 10k Ω or	RCX6JATZ0103
	CARBON RES. 1/4W J 10k Ω or	RCX4JATZ0103
	CARBON RES. 1/6W J 10k Ω	132A103T
R 936	CARBON RES. 1/6W J 10k Ω or	RCX6JATZ0103
	CARBON RES. 1/4W J 10k Ω or	RCX4JATZ0103
	CARBON RES. 1/6W J 10k Ω	132A103T
R 937	CARBON RES. 1/6W J 10k Ω or	RCX6JATZ0103
	CARBON RES. 1/4W J 10k Ω or	RCX4JATZ0103
	CARBON RES. 1/6W J 10k Ω	132A103T
R 941	CARBON RES. 1/6W J 1.8k Ω or	RCX6JATZ0182
	CARBON RES. 1/4W J 1.8k Ω or	RCX4JATZ0182
	CARBON RES. 1/6W J 1.8k Ω	132A182T
	CRYSTAL OSCILLATOR	
X 911	CRYSTAL :13.875MHz CSA-309	FXD136LCT001

Chassis Electrical Parts List

Ref. No.	Description	Part No.
CLN503	CRT GND WIRE CRT GND	WX1L7720-001
	[For Model MV3410T]	
CLN503	CRT GND WIRE CRT GND or	WX1L7720-001
	WIRE ASSEMLBY W1L7500-004A	WX1L7500-004
	[For Model MV4810T]	
CLN801	WIRE ASSEMBLY 2P/120	WX1B5700-002
L 601	DEGAUSSING COIL	LLBH00ZTZ011
	[For Model MV3410T]	
L 601	DEGAUSSING COIL or	LLBH00ZTZ011
	DEGAUSSING COIL	LLBH00ZTZ014
	[For Model MV4810T]	
SP 801	SPEAKER S08J77F2 or	DSD0808XQ003
V 501	CRT A34KPU02XX48(T)	TCRT190GS018
	[For Model MV3410T]	
V 501	CRT A48QAD220X10 (S)	TCRT190GS015
	[For Model MV4810T]	
SP 801	SPEAKER S08J72A1 or	DSD0808XQ002
	SPEAKER SG08G22BLA or	DSD0808SM001
	SPEAKER S08J59A	1520614
	LEAD CLAMPER 100MM or	1790356
	LEAD CLAMPER	1790256

DECK MECHANICAL PARTS LIST

PRODUCT SAFETY NOTE: Products marked with a ⚠ have special characteristics important to safety. Before replacing any of these components, read carefully the product safety notice in this service manual. Don't degrade the safety of the product through improper servicing.

Ref. No.	Description	Part No.
B 1	CHASSIS ASSEMBLY MK4	0VSA06769
B 2	CYLINDER ASSEMBLY NTSC 2HD	N5108CYL
B 3	LOADING MOTOR PREPARATION MK5	0VSA07425
B 4	MOTOR HOLDER CALKING ASSEMBLY MK5	0VSA07421
B 5	CASSETTE DRIVE LEVER ASSEMBLY MK4	0VSA06819
B 6	PINCH ROLLER ARM ASSEMBLY U6	0VSA05848
B 7	PINCH ARM ASSEMBLY	0VSA05924
B 8	PULLEY ASSEMBLY U6 MK2	0VSA05505
B 9	MOVING GUIDE S ASSEMBLY MK4 PLASTIC	0VSA06934
B 10	MOVING GUIDE T ASSEMBLY MK4 PLASTIC	0VSA06935
B 11	LOADING ARM T ASSEMBLY U6 MK2	0VSA05503
B 12	LOADING ARM B ASSEMBLY	0VSA04215
B 13	LOADING ARM M ASSEMBLY or	0VM404693
	LOADING ARM M ASSEMBLY MK3	0VSA07350
B 14	PINCH ROLLER SPRING(U5)	0VM403949C
B 15	LUMIRROR WASHER 3.1X6X0.35	0VM403269
B 21	LOADING BELT U5 or	0VM403432
	LOADING BELT	0VM403952
B 22	P.S.W(CUT)	0VM404679
B 27	BAND BRAKE ASSEMBLY	0VSA04658
B 28	MAIN BRAKE S ASSEMBLY	0VSA04212
B 29	MAIN BRAKE T ASSEMBLY	0VSA04213
B 30	T BRAKE ARM ASSEMBLY	0VSA04641
B 31	AC HEAD ASSEMBLY MK4 R/P	0VSA06766
B 32	REEL BASE ASSEMBLY U5	0VSA04759
B 35	TAPE GUIDE ASSEMBLY	0VM402560
B 36	TENSION LEVER SPRING ASSEMBLY	0VSA04550
B 37	CAPSTAN MOTOR F2QKB92 or	MMDDB5ZSJ002
	VA CAPSTAN MOTOR F2QQTB11	MMDZB05SJ001
B 38	MODE CHANGE LEVER JOG SHUTTLE MK3	0VM100511F
B 39	M BRAKE(S) SPRING	0VM402579A
B 40	M BRAKE(S)LEVER	0VM300753E
B 41	S BREAKE ARM U6/U7	0VM301759
B 42	M BRAKE T ARM SPRING	0VM402582C
B 43	T BRAKE SPRING(2) MK3 JOG	0VM405798
B 45	M LEVER SPRING(3)	0VM406664
B 46	TAPE GUIDE ARM SPRING	0VM402581
B 47	TAPE GUIDE ARM ADJUST SCREW	0VM403242
B 49	BT DRIVE ARM	0VM300756K
B 51	CHANGE ARM or	0VM402441G
	CHANGE ARM A	0VM405857
B 52	CAPSTAN BELT or	0VM402397A
	CAPSTAN BELT	0VM403950B
B 53	P.S.W B	0VM402625
B 54	GROUND BRUSH ASSEMBLY or	0VM404524
	GROUND BRUSH ASSEMBLY U5	0VM404827
B 74	LUMINESCENCE PRISM(B) U6/U7	0VM301764H
B 76	REC ARM SPRING	0VM402578A
B 81	M LEVER HOLDER U6/U7	0VM301717E
B 83	RACK SPRING B	0VM403894A
B 103	REC ARM A	0VM301441J
B 104	REC ARM B	0VM301442I
B 105	REC SPRING	0VM403724
B 108	P.S.W F	0VM402629

Ref. No.	Description	Part No.
B 121	WORM	0VM402429E
B 122	P.S.W C	0VM402626
B 123	P.S.W (WORM THRUST)	0VM403348
B 126	PULLEY U6/U7	0VM301718D
B 127	PULLEY FELT	0VM404952
B 128	KICK ARM HOLDER U6/U7	0VM301716
B 129	PRESS FIT BUSH	0VM403652A
B 130	KICK ARM U6/U7	0VM404382F
B 131	KICK ARM SPRING U6/U7	0VM404424D
B 132	CLUTCH ASSEMBLY U6 MK2	0VSA05509
B 133	ARM IDLER ASSEMBLY U9 4HEAD	0VSA06334
B 141	PULLEY SUB ASSEMBLY U6/U7	0VSA05998
B 142	SHAFT LOCK ASSEMBLY	0VSA04642
B 144	CLUTCH WASHER MK2	0VM404428
B 145	MAIN LEVER ASSEMBLY U9 4HEAD	0VSA06331
B 146	SPRING SUPPORTER	0VM405084A
B 147	STOPPER BOSS	0VM405188
B 148	TG CAP(2) MK4	0VM406389A
B 300	FL ASSEMBLY MK4	0VDM06962
B 302	RACK MK3	0VM201456B
B 303	F DOOR OPENER(2) or	0VM302218A
	F DOOR OPENER(3)	0VM302351B
B 304	DOOR OPENER MK3	0VM302019B
B 307	F DOOR OPENER R SPRING MK3	0VM405214E
B 308	SLIDER SHAFT MK3	0VM405222D
B 311	DOOR OPENER SPRING MK3	0VM405302D
B 313	CASSETTE DRIVE GEAR R SPRING MK4	0VM406253
B 316	DOOR LOCK RELEASE ARM SPRING	0VM402508C
B 317	DOOR LOCK RELEASE ARM(3) MK3	0VM405034D
B 319	CASSETTE SPRING STOPPER	0VM402507I
B 319	CASSETTE SPRING STOPPER	0VM402507I
B 326	DRIVE ARM SP JOG SHUTTLE MK3	0VM405172C
B 327	BUSH CLUTCH(2) JOG MK3	0VM405368
B 328	REEL DRIVE ARM JOG SHUTTLE MK3	0VM301978E
B 329	HOLDER KICK ARM JOG SHUTTLE MK3 or	0VM301979D
	HOLDER KICK ARM(2) JOG SHUTTLE MK3	0VM302219B
B 330	DRIVE ARM SHAFT JOG SHUTTLE MK3	0VM405170
B 331	DRIVE ARM ROLLER JOG SHUTTLE MK3	0VM405171
B 332	HOLDER ARM SPRING JOG SHUTTLE MK3	0VM405174C
B 334	P.S.W 1.7X3.2X0.5T	0VM403678
B 338	P.S.W CUT MK3(3.1X6X0.25)	0VM405809
B 339	REEL BASE ASSEMBLY U9 4HEAD	0VSA06332
B 344	CASSETTE GUIDE R MK4	0VM000074G
B 345	CASSETTE GUIDE L MK4	0VM100544E
B 346	FRONT GUIDE MK4	0VM201618A
B 347	DECKANGLE F MK4	0VM302263D
B 348	DECKANGLE B MK4	0VM302264D
B 349	MIRROR HOLDER L MK4	0VM302265D
B 350	SLIDER GEAR MK4	0VM406109A
B 351	MIRROR(3)	0VM406638
B 351	MIRROR(3)	0VM406638
B 352	CASSETTE DRIVE GEAR MK4	0VM302260E
B 353	CASSETTE PLATE MK4	0VM302261D
B 354	SLIDER R MK4	0VM201616B

Ref. No.	Description	Part No.
B 355	SLIDER L MK4	0VM201617D
B 356	LOCK LEVER MK4	0VM302262F
B 357	LOCK LEVER SPRING MK4	0VM406152
B 358	CAM MK4	0VM100543A
B 362	MIRROR HOLDER R MK4	0VM302365B
B 363	GEAR SUPPORTER MK4	0VM406240
L1011	SCREW, C-TIGHT M3X9 PAN HEAD+	GPMC3090
L1051	SCREW, S-TIGHT M2.6X6 PAN HEAD+ or	GPMS9060
	SCREW(CAPSTAN) M2.6X6 S-TIGHT	0VM405901
L1053	SCREW, S-TIGHT M2.6X6 PAN HEAD+ or	GPMS9060
	SCREW(CAPSTAN) M2.6X6 S-TIGHT	0VM405901
L1061	SCREW, S-TIGHT M2.6X4 PAN HEAD+	GPMS9040
L1062	SCREW, S-TIGHT M2.6X8 PAN HEAD+	GPMS9080
L1081	SCREW, S-TIGHT 3X6 BIND HEAD+	GBMS3060
L1091	SCREW, S-TIGHT M3X6 CUP HEAD+	GCMS3060
L1101	SCREW, P-TIGHT 3X8 BIND HEAD+	GBMP3080
L1103	SCREW, P-TIGHT 3X8 BIND HEAD+	GBMP3080
L1111	SCREW, P-TIGHT 3X8 WASHER HEAD+	GCMP3080
L1112	SCREW, P-TIGHT 3X8 WASHER HEAD+	GCMP3080
L1113	SCREW, P-TIGHT 3X8 WASHER HEAD+	GCMP3080
L1115	SCREW, P-TIGHT 3X8 WASHER HEAD+	GCMP3080
L1151	SCREW, SEMS M3X4 PAN HEAD +	CPM33040
L1191	SCREW, P-TIGHT M2.6X12	GCMP9120
L1221	SCREW,SPECIAL	0VM403688
L1231	SPACER SCREW ASSEMBLY	0VM403752
L1241	P-TITE SCREW M2X6	GBMP2060
L1291	SCREW, P-TIGHT M2.6X6 PAN HEAD+	GPMP9060
L1311	SCREW, S-TIGHT M3X18 PAN HEAD+	GPMB3180
L1321	SCREW, S-TIGHT M3X5 BIND HEAD+	GBMS3050
L1331	SCREW, P-TIGHT M2.6X12	GCMP9120
L1341	P-TITE SCREW M2.6X8 BIND HEAD+	GBMP9080
L1351	SCREW, SEMS M2.6X6	0VM406255A

DECK ELECTRICAL PARTS LIST

PRODUCT SAFETY NOTE: Products marked with a ⚠ have special characteristics important to safety. Before replacing any of these components, read carefully the product safety notice in this service manual. Don't degrade the safety of the product through improper servicing.

NOTE: Parts that not assigned part numbers (----------) are not available.

Tolerance of Capacitors and Resistors are noted with the following symbols.

C.....±0.25%	D.....±0.5%	F.....±1%
G.....±2%	J.....±5%	K.....±10%
M.....±20%	N.....±30%	Z.....+80/-20%

JNT CBA

Ref. No.	Description	Part No.
	JNT CBA (JNT-A/B/C/D) Consists of the following:	0VSA07380
	JOINT CBA (JNT-A)	———
	MODE SW CBA (JNT-B)	———
	ACE HEAD CBA (JNT-C)	———
	MOTOR CBA (JNT-D)	———

Joint CBA (JNT-A)

Ref. No.	Description	Part No.
	JOINT CBA (JNT-A)	———
	CONNECTORS	
CN2691	ANGLE SOCKET CONNECTOR, 20P	1770615
CN2692	FFC CONNECTOR BASE, TOP 9P or	JC2SJ09ERH0C
	FFC CONNECTOR BASE, TOP 9P or	1700915
	FFC CONNECTOR BASE, TOP 9P or	1700449
	FFC CONNECTOR BASE, TOP 9P or	1700515
	FFC CONNECTOR BASE, TOP 9P	1700986
	RESISTORS	
R2691	CARBON RES. 1/4W 27K Ω ±5% or	RCX4JATZ0273
	CARBON RES. 1/6W 27K Ω ±5%	RCX6JATZ0273
R2692	CARBON RES. 1/4W 27K Ω ±5% or	RCX4JATZ0273
	CARBON RES. 1/6W 27K Ω ±5%	RCX6JATZ0273
	FFC CABLE, 9P	WX3909QZ4413
	MISCELLANEOUS	
CL2691	JUMPER WIRE, 5P	WX1K7010-003
CL2692	JUMPER WIRE, 6P	WX1N5007-001
CL2693	JUMPER WIRE, 3P	WX1H5100-001

Mode SW CBA (JNT-B)

Ref. No.	Description	Part No.
	MODE SW CBA (JNT-B)	———
SW2691	MODE SWITCH HMW0420-810010 or	SSR0104HD002
	MODE SWITCH SSS-21MD	SSR0104KB001

ACE Head CBA (JNT-C)

Ref. No.	Description	Part No.
	ACE HEAD CBA (JNT-C)	———
CN2693	FLAT CABLE CONNECTOR 6P or	JEHBJ06JE001
	FLAT CABLE CONNECTOR 6P	JC88J06NB001

Motor CBA (JNT-D)

Ref. No.	Description	Part No.
	MOTOR CBA (JNT-D)	———
	LOADING MOTOR PREPARATION MK5	0VSA07425
	MOTOR PULLEY U5	0VM403205A
	LOADING MOTOR RF-370CA-15370 or	MMDZB12MF001
	LOADING MOTOR(M) MXN-13FB06A2	MMDZB06MS001

PRV CBA

Ref. No.	Description	Part No.
	PRV CBA (PRV-A/B/C) Consists of the following:	0VSA07381
	HEAD AMP CBA (PRV-A)	0VSA07381-A
	FE HEAD CBA (PRV-B)	0VSA07381-B
	FE HEAD CBA (PRV-C)	0VSA07381-C

Head Amp CBA (PRV-A)

Ref. No.	Description	Part No.
	HEAD AMP CBA (PRV-A)	———
	CAPACITORS	
C3801	CERAMIC CAP.(AX) 0.1µF/50V +80/-20% (F)	CCA1JZT0F104
C3802	ELECTROLYTIC CAP. 100µF/6.3V ±20% H7 or	CE0KMZPSL101
	ELECTROLYTIC CAP. 100µF/6.3V ±20% H7	526R107
C3803	ELECTROLYTIC CAP. 0.22µF/50V ±20% or	CE1JMZPSLR22
	ELECTROLYTIC CAP. 0.22µF/50V ±20%	526W224
C3804	CERAMIC CAP.(AX) 0.01µF/16V ±20% (Y) or	CDA1CMT0Y103
	CERAMIC CAP. 0.01µF/16V +80/-20% (F)	1220842T
C3805	CERAMIC CAP.(AX) 0.01µF/16V ±20% (Y) or	CDA1CMT0Y103
	CERAMIC CAP. 0.01µF/16V +80/-20% (F)	1220842T
C3806	CERAMIC CAP.(AX) 0.01µF/16V ±20% (Y) or	CDA1CMT0Y103
	CERAMIC CAP. 0.01µF/16V +80/-20% (F)	1220842T
C3807	CERAMIC CAP.(AX) 0.1µF/50V +80/-20% (F)	CCA1JZT0F104
C3809	CERAMIC CAP.(AX) 0.1µF/50V +80/-20% (F)	CCA1JZT0F104
C3813	CERAMIC CAP.(AX) 15PF/50V ±5% (SL) or	CCA1JJTSL150
	CERAMIC CAP.(AX) 15PF/50V ±5% (SL)	3S41150T
C3821	CERAMIC CAP.(AX) 100pF/50V ±5% (B) or	CCA1JJT0B101
	CERAMIC CAP.(AX) 100pF/50V ±10% (B) or	CCA1JKT0B101
	CERAMIC CAP. 100pF/50V ±5% (B) or	3B41101T
	CERAMIC CAP. 100pF/50V ±10% (B)	3B42101T
C3822	CERAMIC CAP.(AX) 47pF/50V ±5% (SL) or	CCA1JJTSL470
	CERAMIC CAP.(AX) 47pF/50V ±5% (SL)	3S41470T
C3830	CERAMIC CAP.(AX) 0.01µF/16V ±20% (Y) or	CDA1CMT0Y103
	CERAMIC CAP. 0.01µF/16V +80/-20% (F)	1220842T
C3833	CERAMIC CAP.(AX) 0.01µF/16V ±20% (Y) or	CDA1CMT0Y103
	CERAMIC CAP. 0.01µF/16V +80/-20% (F)	1220842T
	CONNECTORS	
CN3801	ANGLE SOCKET CONNECTOR, 15P	1770610
CN3802	FFC CONNECTOR BASE, SIDE 5P or	JC96J05ERC0C
	FFC CONNECTOR BASE, SIDE 5P	1700471
	IC	
IC3801	IC, VIDEO HEAD AMP LA7376	QSBLA0SSY035
	COIL	
L3801	INDUCTOR 22µH-K-26T or	LLAXKDTKA220
	INDUCTOR 22µH-K-26T	LLAXKATTU220
	RESISTORS	
R3801	CARBON RES. 1/4W 22K Ω ±5% or	RCX4JATZ0223
	CARBON RES. 1/6W 22K Ω ±5%	RCX6JATZ0223
R3802	CARBON RES. 1/4W 8.2K Ω ±5% or	RCX4JATZ0822
	CARBON RES. 1/6W 8.2K Ω ±5%	RCX6JATZ0822
R3803	CARBON RES. 1/4W 1K Ω ±5% or	RCX4JATZ0102
	CARBON RES. 1/6W 1K Ω ±5%	RCX6JATZ0102
R3804	CARBON RES. 1/4W 5.6K Ω ±5% or	RCX4JATZ0562

R3805	CARBON RES. 1/6W 5.6K Ω ±5% CARBON RES. 1/4W 33K Ω ±5% or CARBON RES. 1/6W 33K Ω ±5%	RCX6JATZ0562 RCX4JATZ0333 RCX6JATZ0333
	MISCELLANEOUS	
2B 2	SHIELD, TOP	0VM302519
2B 3	SHIELD, BOTTOM	0VM302520
CL3801	JUMPER WIRE, 6P	WX1K7010-012
CL3802	JUMPER WIRE, 3P	WX1H5100-001

FE Head CBA (PRV-B)

Ref. No.	Description	Part No.
	FE HEAD CBA (PRV-B)	———
B 73	FE HEAD MH-131SF5/KM-1311550 or FE HEAD VTR-1X2ERS11-122 FEH ASSEMBLY MK5 SPACER;FE	DHVEC01LA004 DHVEC01TE003 0VSA07426 0VM405209B

FE Head CBA (PRV-C)

Ref. No.	Description	Part No.
	FE HEAD CBA (PRV-C)	———
B 73	FE HEAD HVFHF0049A FEH ASSEMBLY MK5 SPACER;FE	DHVEC01AL002 0VSA07427 0VM405209B