

LDP-3300P/3600D

SERVICE MANUAL

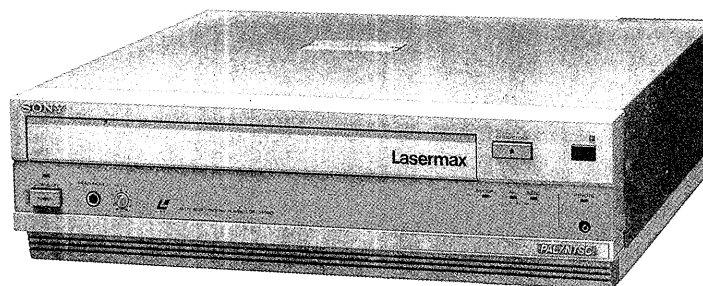
AEP Model

UK Model

LDP-3300P/3600D

US Model

LDP-3600D



THIS PHOTO IS LDP-3600D

Lasermax

SPECIFICATIONS

| | | | |
|-----------------------------------|--|---|--|
| Playback system | | General | |
| Disc format | Laser Vision | Power requirements | 100/120/220/240 V AC, selectable, 50/60 Hz (LDP-3600D) 220/240V AC, Selectable, 50/60Hz (LDP-3300P) |
| Pick-up method | Laser beam (reflective) | Power consumption | 38 W |
| Laser | Diode laser ($\lambda = 7800\text{\AA}$) | Operating temperature | 5°C to 35°C (40°F to 95°F) |
| Emission duration | Continuous | Operating humidity | 25% to 80% |
| Laser output | 0.4 mW* max. | Storage temperature | -20°C to 60°C (-4°F to 140°F) |
| Videodisc | 12" and 8" | Dimensions | Approx. 430 × 128 × 430 mm (w/h/d) (16 ¹⁵ / ₁₆ × 3 ¹⁵ / ₁₆ × 16 ¹ / ₈ inches) |
| Maximum playing time | CAV: 36 min/side (PAL) 30 min/side (NTSC) (LDP-3600D) CLV: 60 min/side | Weight | Approx. 10.5 kg (23 lb 2 oz) |
| Spindle revolution | CAV: 1500 r.p.m. (PAL) 1800 r.p.m. (NTSC) (LDP-3600D) CLV: 570 to 1500 r.p.m. (PAL) 600 to 1800 r.p.m. (NTSC) (LDP-3600D) | Optional accessories | Interface LDM-G1000 Rack Mount Kit RMM-121 Remote Control Unit RM-2001 |
| Access time | CAV: 3 sec (by frame) 10 sec (by chapter) CLV: 10 sec | Design and specifications are subject to change without notice. | |
| Video | | Note | |
| Signal | CCIR standards, PAL colour EIA standards, NTSC colour (LDP-3600D) | This appliance conforms with EEC Directives 76/889 and 82/499 regarding interference suppression. | |
| Output | 1.0 V p-p, 75 ohms unbalanced, sync negative | | |
| Resolution | 450 lines (PAL) 400 lines (NTSC) (LDP-3600D) | | |
| Audio | | | |
| Output | Line out: -3.7 dBV (1 kHz, 100% MOD, load impedance 47 kilohms) load impedance 2 kilohms and more unbalanced | | |
| Signal-to-noise ratio | CX ON: 70 dB and more CX OFF: 56 dB and more | | |
| Frequency response | 40 Hz to 20kHz | | |
| Video/Audio (TV connector) | | | |
| Video | 1.0 Vp-p | | |
| Audio | -3.7 dBV | | |
| Status | +12 V DC | | |

* This output is the value measured at a distance of about 1.6 mm from the objective lens surface on the Optical Pick-up Block.



 **VIDEODISC PLAYER**
SONY®

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

1. Check the area of your repair for unsoldered or poorly-soldered connections. Check the entire board surface for solder splashes and bridges.
2. Check the interboard wiring to ensure that no wires are "pinched" or contact high-wattage resistors.
3. Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
4. Look for parts which, though functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
5. Check the line cord for cracks and abrasion. Recommend the replacement of any such line cord to the customer.
6. Check the B+ voltage to see it is at the values specified.
7. Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

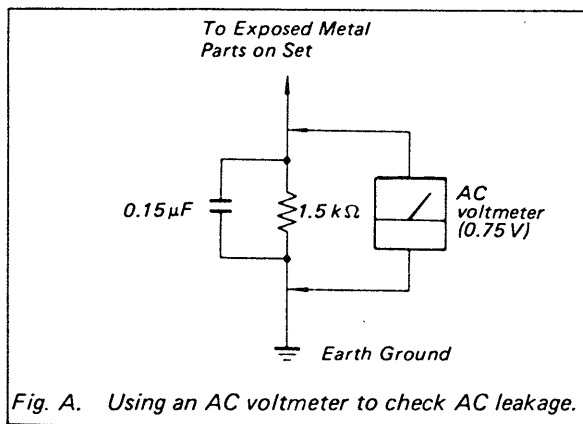


Fig. A. Using an AC voltmeter to check AC leakage.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers). Leakage current can be measured by any one of three methods.


1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

CAUTION


Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

AS the laser beam used in this videodisc player is harmful to eyes, do not attempt to disassemble the cabinet. Refer servicing to qualified personnel only.

SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARK  ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL TO SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÉS PAR UN TRAME ET UNE MARQUE  SUR LES DIAGRAMMES SCHÉMATIQUES, LES VUES EXPLOSÉES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS MANUEL OU DES SUPPLÉMENTS PUBLIÉS PAR SONY. LES RÉGLAGES DU CIRCUIT QUI SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT SONT IDENTIFIÉS DANS CE MANUEL. SUIVRE LES PROCÉDURES QUAND LES COMPOSANTS CRITIQUES SONT REMPLACÉS OU LE FONCTIONNEMENT IMPROPRE EST SUSPECTÉ.

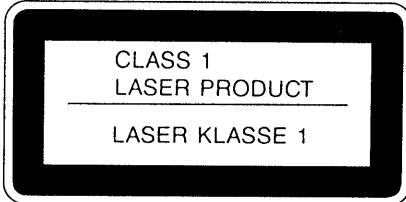
WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.

CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.



This videodisc player is classified as CLASS 1 LASER PRODUCT.

The CLASS 1 LASER PRODUCT label is located on the rear panel of the player.

DANGER

Invisible laser radiations when open and interlock failed or defeated. Avoid direct exposure to beam.

CLASS I LASER PRODUCT

ADVARSEL:
USYNLIG LASERSTRALING VED ABNING NAR SIKKERHEDSAFBRYDERE ER UD AF FUNCTION UNDGA. UDSAETTELSE FOR STRALING.

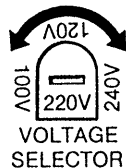
CLASS 3A LASER

VAROITUS!
SUOJAKOTELOA EI SAA AVATA. LAITE SISÄLTÄÄ LASERDIODIN, JOKA LÄHETTÄÄ (NÄKYMÄTÖNTÄ) SILMILLE VAARALLISTA LASERSÄTEILYÄ.

LASER COMPONENT IN PRODUCT IS CAPABLE OF EMITTING RADIATION EXCEEDING THE LIMIT FOR CLASS 1.

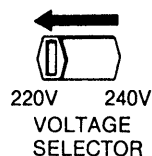
CAUTION (LDP-3600D)

The operating voltage of this unit is preset at the factory to 240 V AC. If you operate the unit on 100 V, 120 V or 220 V AC, **disconnect the AC power cord** and set the voltage selector located on the rear panel to the appropriate position with a screwdriver.



CAUTION (LDP-3300P)

The operating voltage of this unit is preset at the factory to 240 V AC. If you operate the unit on 220 V AC, **disconnect the AC power cord** and set the voltage selector located on the rear panel to 220 V AC.



FOR THE CUSTOMERS IN THE UNITED KINGDOM

THIS APPARATUS MUST BE EARTHED

IMPORTANT

The wires in this mains lead are coloured in accordance with the following code:

| | | |
|------------------|---|---------|
| Green-and-yellow | : | Earth |
| Blue | : | Neutral |
| Brown | : | Live |

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug proceed as follows:

The wire which is coloured green-and-yellow must be connected to the terminals in the plug which is marked by the letter E or by the safety earth symbol \perp or coloured green or green-and-yellow. The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black. The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

Use

| |
|----------------------------------|
| PAL/SECAM 625 NTSC 525 COLOUR |
|----------------------------------|

 videodiscs

This player can be used with the PAL/SECAM and NTSC colour videodiscs, and is designed to output video signals conformed with both the PAL/SECAM and NTSC colour systems. The player automatically distinguishes the colour system of a disc inserted in the unit, and playback will begin on each colour system format.



LaserVision

CED and VHD type videodiscs cannot be used in this player.

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SECTION 1 GENERAL

This section is extracted from instruction manual (LDP-3600D).

1-1. FEATURES

LDP-3600D is designed to be controlled mainly by an external microcomputer with an RS-232C interface connector. Control codes from the computer allow various operations such as playback in varied speeds, repeat, pause, or search on the videodisc player.

No physical contact between pick-up and disc

A laser beam acts as the signal pick-up for contact-free playback and no wear on your valuable videodiscs. The audiovisual pit pattern is recorded below the surface of the videodisc for safe handling. There is no more need to be constantly on your guard against fingerprints and dust.

High speed access

Full stroke search on the disc is approximately 3 seconds (CAV, by frame).

Search operation by the second on CLV disc

Desired picture address on a CLV disc can be searched for by specifying the time (second) number recorded on the disc.

Remote control operation

By using the RM-2001 optional remote control unit, playback both in forward and reverse directions or special operations such as search and repeat are available. Remote control operations are possible in both wired and wireless modes.

Character generator incorporated

Character generator is incorporated in the LDP-3600D so that it can display a desired character according to a character code given by the connected computer. There are two character modes: 20 characters x 1 line and 10 characters x 3 lines.

User's code reading available

User's codes recorded on videodiscs can be detected by an external microcomputer connected to the LDP-3600D.

Automatic front loading

Videodiscs are inserted in front of the LDP-3600D, which saves space when compared to top loading models.

Mountable on 19" rack

The videodisc player can be mounted on an EIA standard 19" rack. An optional RMM-121 rack mount kit is available to install the videodisc player into the 19" rack.

Black burst video out signals in the search mode

The characters or pictures output from the computer are superimposed over the videodisc picture, and they can even be seen in the search mode as the videodisc player uses the black burst video out signals to adjust the picture.

Screw-less mechanism for transportation

This new mechanism eliminates the need to tighten special screws to fix the laser pick-up before transporting the videodisc player.

1-2. TIPS ON VIDEODISCS

TYPES OF VIDEODISCS

CAV (constant angular velocity) disc

The CAV disc always rotates at a constant speed of 1500 r.p.m. for a PAL/SECAM disc and 1800 r.p.m. for an NTSC disc and the laser beam moves from the inner part of the disc to the outer. Up to 36 minutes for a PAL/SECAM disc and 30 minutes for an NTSC disc of playback (54,000 frames) is possible on one side of the disc. Each frame of the playback picture is recorded on one track and is reproduced in one rotation. The frame number is recorded on the track. Flexible playback operation such as variable speed playback, repeat play is possible using the frame numbers as reference.

CLV (constant linear velocity) disc

With the CLV disc, the rotational speed varies from 570 r.p.m. to 1500 r.p.m. for a PAL/SECAM disc and 600 r.p.m. to 1800 r.p.m. for an NTSC disc so that a constant linear velocity is maintained. The laser beam moves from the inner part of the disc to the outer as with CAV discs. Playback of up to one hour is possible on one side of the disc, although only normal play, scan and search operations are possible. The elapsed playback time or the chapter number being played can be displayed on the monitor screen. Searches to the beginning of chapters or specified time codes is possible.

*** 1) Frames**

The CAV discs have up to 54,000 "frames" which are numbered in sequence. One frame is recorded on one track, that is, a frame is played back with one rotation of the disc. You can search for a particular frame quickly or repeat a particular sequence of frames.

*** 2) Picture stop**

When the player detects this code the playback enters the still mode. This code may be ignored in the scan and search modes.

*** 3) Chapters**

There are CAV and CLV discs on which "chapters", as the chapter of a book, are pre-recorded. If a chapter number is displayed after a frame number has been displayed (on a CAV disc) or after playback time is displayed in minutes (on a CLV disc) when you change the display mode, the data are pre-recorded in chapters.

*** 4) Lead-in/Lead-out**

When the player detects the lead-out code, it returns to the beginning of a disc, detects the lead-in code and repeats playback. When the player detects the lead-in code or lead-out code in SCAN mode, the same result will be obtained.

COMPARISON OF SONY VIDEODISC CODE TYPES

| Type | purpose | location on disc | capacity | customer's creation method | encoding method |
|---------------------------------------|--|-------------------------------|---------------------------------------|--|--------------------------------------|
| I. CAV Discs | | | | | |
| Vertical blanking (partial listing) | | | | | |
| —frame number*1) (picture numbers) | frame access | all vertical blankings | 00001 to 54000 | not available | added automatically during mastering |
| —picture stop *2) | automatic stop on a frame during "play" and "slow" modes | designated vertical intervals | up to 54000 | list of time codes on a master tape to have stops | added during mastering |
| —chapter number*3) | divide content into chapters | designated vertical blankings | 00 to 79; minimum chapter = 30 tracks | list of first/last time codes on a master tape of all chapters | added during mastering |
| II. CLV Discs | | | | | |
| Vertical blanking | | | | | |
| —time code number | time code access | all vertical blankings | 00 hr 00 mins 00 sec to 01 hr 00 mins | not available | added automatically during mastering |
| —chapter number | divide content into chapters | designated vertical blankings | 00 to 79; minimum = 30 tracks | list of first/last time codes on a master tape of all chapters | added during mastering |
| III. CAV/CLV Discs | | | | | |
| Vertical blanking | | | | | |
| —Lead-in*4) | locate the beginning of the program on a disc | designated vertical blankings | — — — | not available | added during mastering |
| —Lead-out*4) | locate the end of the program on a disc | designated vertical blankings | — — — | not available | added during mastering |

1-3. PRECAUTIONS

On safety

- Before operating the unit, check that the operating power voltage of the unit is identical with those of your local power supply.
- Should any solid object or liquid fall into the cabinet, unplug the unit and have it checked by qualified personnel before operating it any further.
- Unplug the unit from the wall outlet if it is not to be used for an extended period of time.
- To disconnect a cord, pull it out by the plug. Never pull the cord itself.

On installation

- Avoid placing the player in a location subject to:
 - high humidity
 - high temperature
 - excessive dust
 - mechanical vibration
 - direct sunlight
- Allow adequate air circulation to prevent internal heat buildup. Do not place the unit on surfaces (rugs, blankets, etc.) or near materials (curtains, draperies) that may block the ventilation holes.
- Do not place any objects on the videodisc player.

On operation

- Do not operate the unit right after having transported it from a cold location directly to a warm location or in a room where the temperature rises suddenly because moisture may condense in the operating section of the unit. Wait for about an hour before turning the power on in the new location or keep the rise in room temperature gradual. If the unit is operated with moisture condensation, the unit and the disc may be damaged. Therefore remove the disc immediately when there is a possibility of moisture condensation and no picture is obtained.
To evaporate the moisture rapidly, leave the player turned on without a disc loaded.
- Remove the disc from the compartment after playing it, if the unit will not be used for any length of time. Do not transport the set with a disc in place.
- To open or close the disc compartment, press the OPEN/CLOSE button. Do not pull or push the disc compartment forcibly.
- When the disc compartment is in the open position, do not press down on it strongly, or place heavy objects.

On cleaning

Clean the cabinet, panel and controls with a dry soft cloth, or a soft cloth lightly moistened with a mild detergent solution. Do not use any type of solvent, such as alcohol or benzine, which may damage the finish.

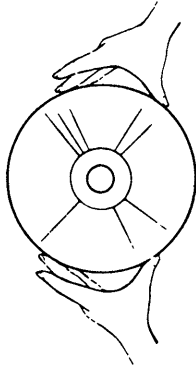
On packing

Do not throw away the carton and packing materials. They make an ideal container in which to transport the unit. When shipping the unit to another location, repack it as illustrated on the carton.

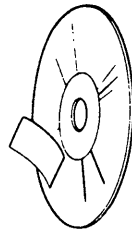
If you have any questions about this unit, contact your authorized Sony service facility.

1-4. NOTES ON HANDING VIDEODISCS

Handle the disc by its edge, and keep the disc clean.



Do not stick paper or tape on the disc surface.



Not this way

Do not expose the disc to direct sunlight or heat sources such as hot air ducts, or leave it in a parked car in direct sunlight which can result in a considerable rise in the temperature.

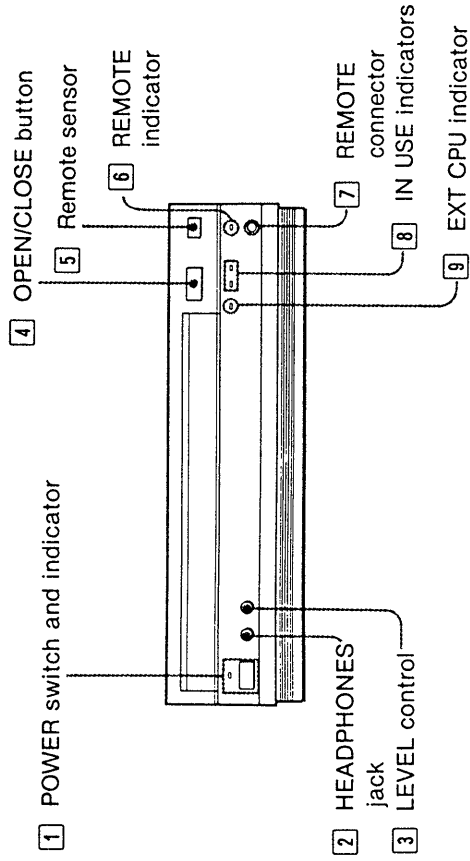
Before playing, clean the disc with a soft cloth.

Do not use solvents (such as benzine or thinner) or commercially available cleaners or anti-static sprays intended for audio discs.

After playing, store the disc in its case.

1-5. PARTS IDENTIFICATION

FRONT PANEL



1 **POWER switch and indicator**

Depress to turn on the power of the videodisc player. The POWER indicator will light. Press again to turn off the power.

2 **HEADPHONES jack (stereo phone jack)**

Headphones for audio monitoring are connected here. The volume is adjusted with the LEVEL control.

3 **LEVEL control**

Turn to adjust the volume of the headphones. Rotating to the right increases the volume.

4 **OPEN/CLOSE button**

Press to open the disc compartment, and press again to close it. The compartment will also close automatically when it is pushed lightly. Be sure to push the center of the compartment for proper operation.

5 **Remote sensor**

This sensor detects infrared control signals from the optional RM-2001 remote control unit.

6 **REMOTE indicator**

Lights when any button on the RM-2001 remote control unit is pressed.

7 **REMOTE connector**

This special minijack allows for wired connection of the optional RM-2001 remote control unit.

8 **IN USE indicators**

PAL indicator

Lights when a PAL/SECAM videodisc is being played back.

NTSC indicator

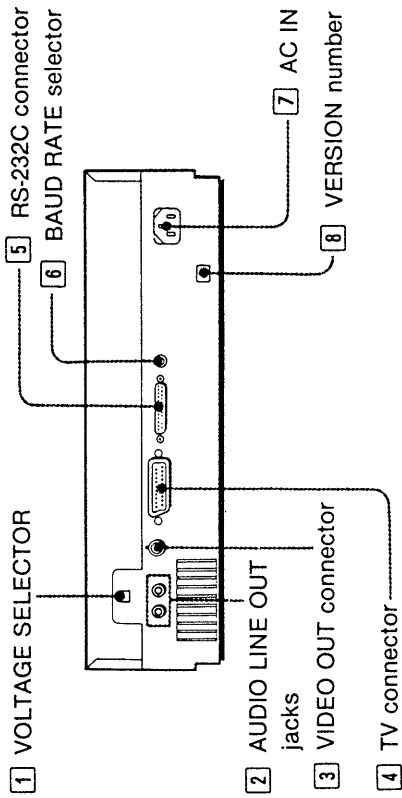
Lights when an NTSC videodisc is being played back.

PAL and NTSC indicators blink simultaneously while loading or unloading a videodisc.

9 **EXT CPU indicator**

Lights when the player is controlled by an external computer through the RS-232C interface connector. When this indicator is lit, RM-2001 remote control unit cannot be used. The videodisc player will automatically respond to commands given by the external computer.

1-6. REAR PANEL



1 VOLTAGE SELECTOR

Set this selector to the 100 V, 120 V, 220 V or 240 V position according to the power supplied from the wall outlet.

2 AUDIO LINE OUT jacks

Phono jacks (RCA type) for audio signal output. The audio signals of the channel 1 (CH-1) are output from the 1/L jack, and the signals of the channel 2 (CH-2) are output from the 2/R jack.

3 VIDEO OUT connector

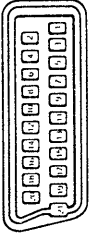
BNC connector for output of composite video signals.

4 TV connector

21-pin connector (GENELEC standard) for video and audio signal outputs.

If your TV monitor is equipped with a connector of the same type, connect it to this connector using the cable with the square 21-pin plugs to supply the video and audio signals to the TV monitor with a single cable.

Pin assignment



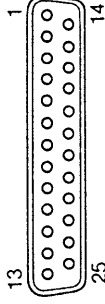
| Pin No. | Signal | Pin No. | Signal | Pin No. | Signal |
|---------|-----------|---------|----------------|---------|-----------|
| 1 | Audio B | 8 | Status (+ 12V) | 15 | NC |
| 2 | NC | 9 | NC | 16 | NC |
| 3 | Audio A | 10 | NC | 17 | Video (G) |
| 4 | Audio (G) | 11 | NC | 18 | NC |
| 5 | NC | 12 | NC | 19 | Video |
| 6 | NC | 13 | NC | 20 | NC |
| 7 | NC | 14 | NC | 21 | GND |

NC: no connection

5 RS-232C connector

Standard 25-pin RS-232C interface connector for communication with an external computer. Refer to page 22 for making connections with an external computer.

Pin assignment



| Pin No. | Signal |
|---------|---------------------------|
| 1 | FG (Frame ground) |
| 2 | TxD (Transmit data) |
| 3 | RxD (Receive data) |
| 4 | RTS (Request to send) |
| 5 | CTS (Clear to send) |
| 6 | DSR (Data set ready) |
| 7 | GND |
| 20 | DTR (Data terminal ready) |

Each signal conforms to the RS-232C specifications.
(Output level ON: more than +5V, OFF: less than -5V)

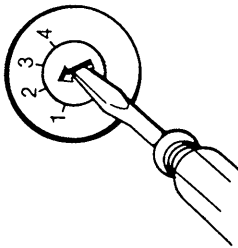
Note: Check the RS-232C pin assignment of the external computer to be connected. There is a modem mode and terminal mode for pin assignment. The RS-232C pin assignment for LDP-3600D is for the terminal mode.

6 BAUD RATE selector

Select the data transmission speed on the RS-232C line. The baud rate can be set to 9600, 4800, 2400, or 1200 baud. Be sure that the speed set on the videodisc player is matched to that on the connected computer. The data speed is initially set to 1200 at the factory.

Switch setting

| | |
|---|------|
| 1 | 1200 |
| 2 | 2400 |
| 3 | 4800 |
| 4 | 9600 |



Set the arrow to point to the desired number using a tiny screw driver.

7 AC IN (inlet)

Grounded three-prong AC power inlet. The power cord is connected here and the other end is inserted into the appropriate AC wall outlet (100 V, 120 V, 220 V or 240 V AC).

8 VERSION number

Shows the ROM version on the player.

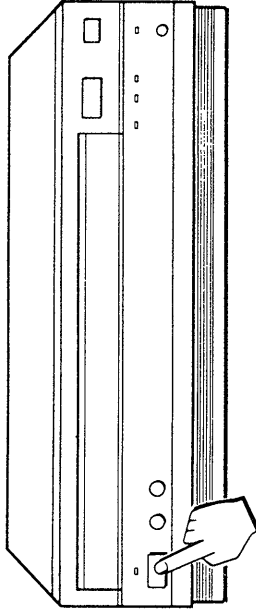
1-7. TO PLAY BACK A VIDEODISC

The procedure outlined below shows only the simple operations of the videodisc player to play back the videodisc. The disc is automatically and endlessly played back after it is set in the videodisc player. Without the remote control unit or control signals from the external computer, other operations such as pause, repeat, search, playback in various speeds are not available. For the operations which are only available with the remote control unit, see page 21. For the computer-controlled operations, read the separate LDM-G1000 Interface Manual.

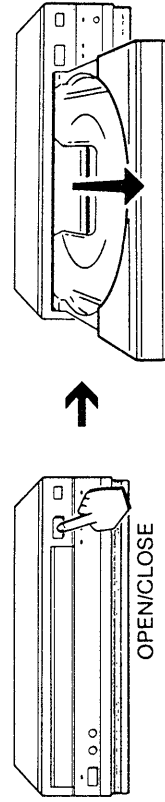
Before starting the operation, keep in mind the following precautions.

- To open and close the disc compartment, press the OPEN/CLOSE button.
- Place a disc in the tray with the side to be played back facing down (with the label of the desired side up). Note that the laser reads from below.
- If a disc is not placed correctly in the tray or the disc has a defect which prevents normal playback, the disc compartment will be ejected as soon as the defect is encountered.

- 1 Turn on the videodisc player by pressing the POWER switch. The POWER indicator will light up.



- 2 Press the OPEN/CLOSE button to open the disc compartment.



1-8. OPERATION WITH THE RM-2001 REMOTE CONTROL UNIT

The main functions available with the remote control unit are as follows. For details about the remote control unit, read the RM-2001 operating instructions.

Play

Normal playback of a videodisc both in forward and reverse directions.

Fast

Tripple-speed playback both in forward and reverse directions.

Stop

To stop playing back a videodisc.

Still/Step

To obtain a still picture one by one both in forward and reverse directions.

Scan

About 100 times of normal speed playback.

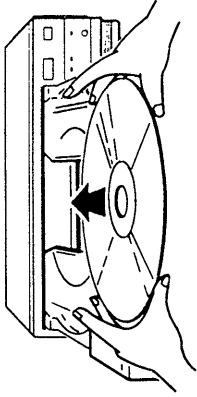
Search

To search for a specified picture on a disc.

Repeat

Playback between two specified frames on a CAV disc or time numbers on a CLV disc.

- 3 Place the disc with the desired program label facing up.



Place in the indentation.

- 4 Press the OPEN/CLOSE button. The disc starts rotating and the IN USE indicators will blink for a few seconds. Playback begins automatically, and either the PAL or NTSC IN USE indicator lights up according to the colour system of the disc.

To stop the playback and remove the disc

Press the OPEN/CLOSE button to stop playing the disc, no matter what mode the player is in. The disc will stop rotating, and the disc compartment will be ejected.

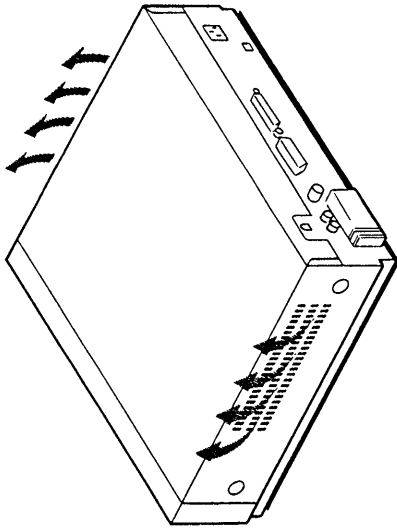
Notes

- At the beginning of the playback, the picture may be distorted. This symptom tends to occur especially when a CLV disc is used.
- To avoid damaging the disc, do not move the videodisc player while it is operating or while it contains a disc.

1-9. NOTES ON INSTALLING THE PLAYER IN A RACK

When the videodisc player(s) is(are) installed in a rack, special consideration should be taken to prevent internal heat buildup.

Ventilation holes on the LDP-3600D

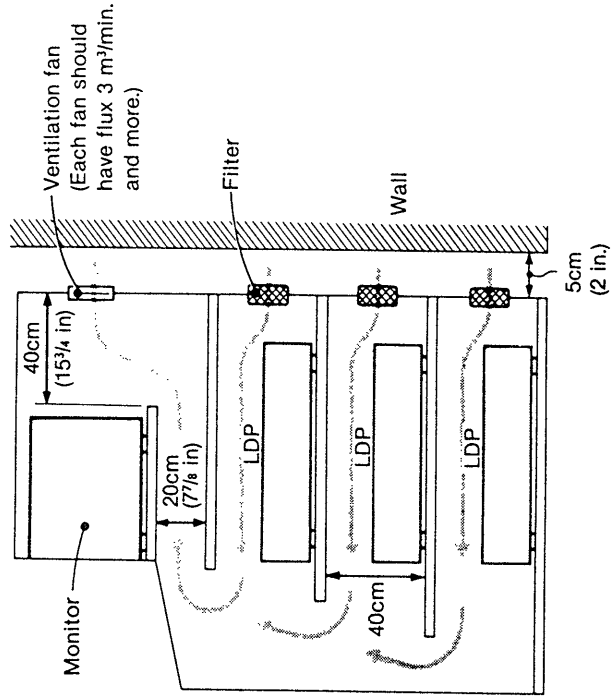


- The air in the rack should be circulated from the bottom to the top as indicated.
- The temperature in the rack should not be over 35°C (95°F).
- Allow at least 5 cm (2 inches) behind the rack when installing it against the wall.
- The distance between each shelf should be at least 40 cm (15¾ inches).
- The holes located at the back of the rack should have filters to prevent dust from being drawn into the rack.
- At least two ventilation fans should be used and should be installed in the back of the rack as indicated in the figure.
- If a monitor is installed in the same rack, care should be taken to prevent the players from being affected by the heat from the monitor.

Recommended ventilation when installed in a standard 19" rack

- Use the optional RMM-121 rack mount kit to install the player(s) in a standard 19" rack.
- Three ventilation fans with flux 3 m³/min should be used for five players installed in a standard 19" rack. If you have any questions regarding ventilation in a rack, consult your authorized Sony representative.

Recommended ventilation when installed in a closed rack



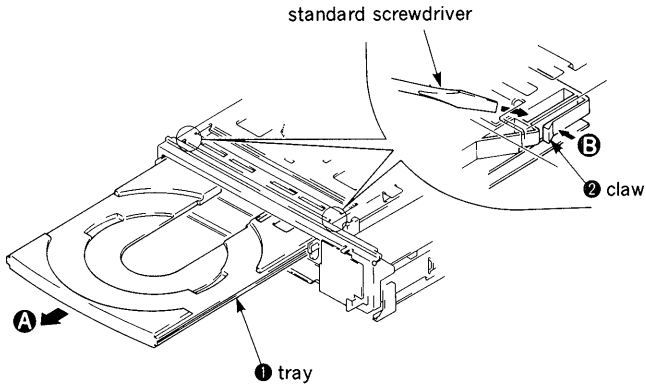
Note

When the player is used in a dusty place, powdery dust will be drawn in the player and contaminate the objective lens in the optical pick-up system. Ask your nearest Sony service facility for lens cleaning.

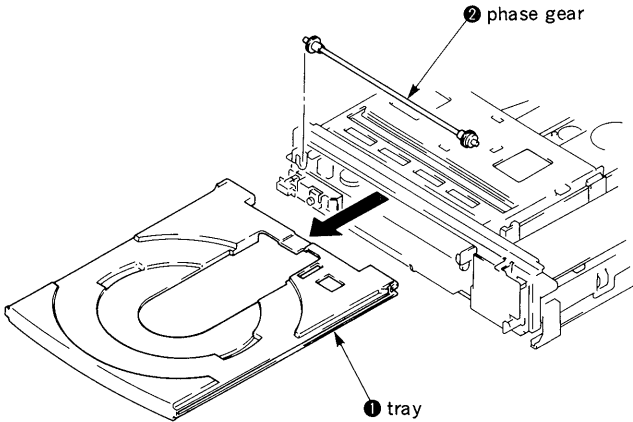
SECTION 2 DISASSEMBLY

2-1. REMOVAL OF TRAY AND CHUCK ARM(1)

- 1) Turn on power supply and set to eject state.
* When not ejecting, see "2-4. METHOD TO EJECT MANUALLY".
- 2) Insert a standard screwdriver, etc. into the left and right notch section as shown in Fig. and remove the claw ② of tray in the direction of arrow ⑤ while pulling the tray ① in the direction of arrow ④.

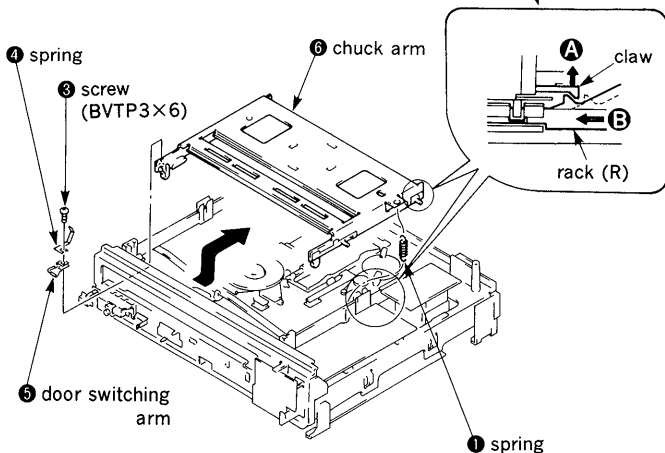


2-2. REMOVAL OF TRAY AND CHUCK ARM(2)



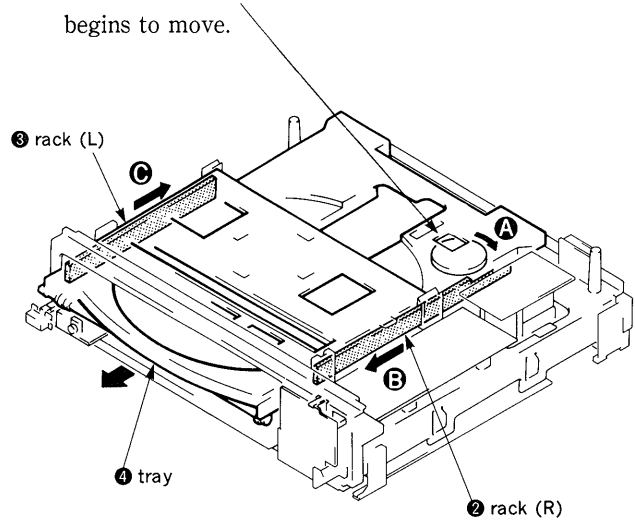
2-3. REMOVAL OF TRAY AND CHUCK ARM(3)

- ② While pushing the claw in the direction of arrow ④, move the rack (R) in the direction of arrow ⑤ so that it is positioned to where it is shown in Fig.



2-4. METHOD TO EJECT MANUALLY

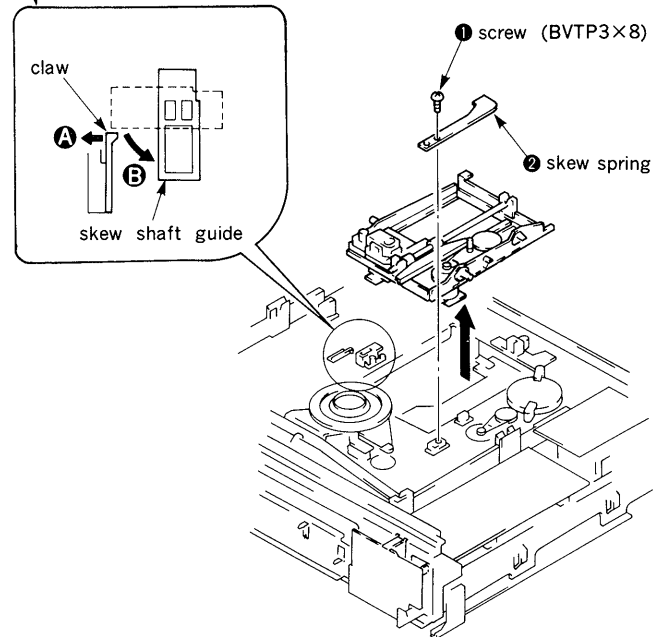
- ① Rotate drive cam in the direction of arrow ④ until rack (R) begins to move.



Move rack (R) ② and rack (L) ③ respectively in the directions of arrows ⑤ and ⑥ simultaneously and lift up tray.

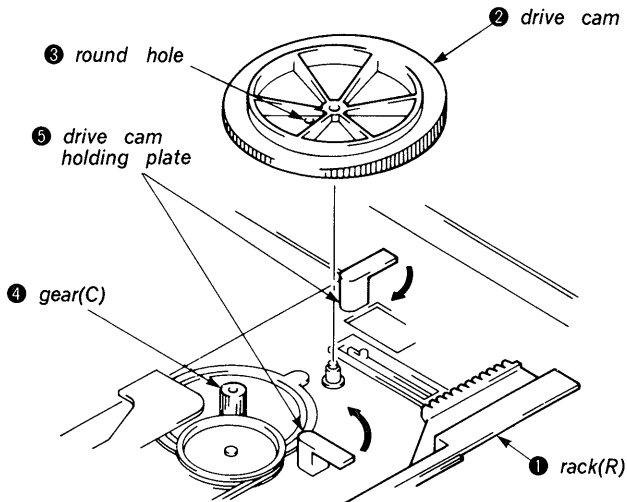
2-5. REMOVAL OF SKEW BASE ASSEMBLY

- ③ Rotate skew shaft guide in the direction of arrow ⑤ while pushing the claw in the direction of arrow ④.

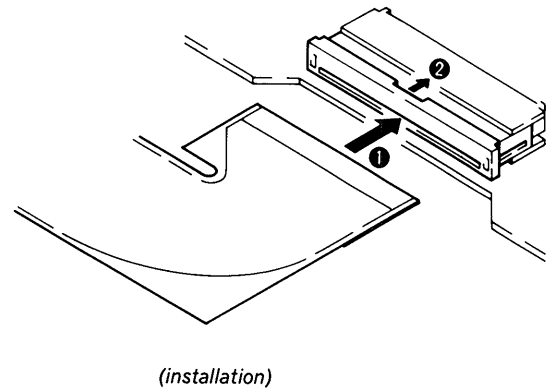
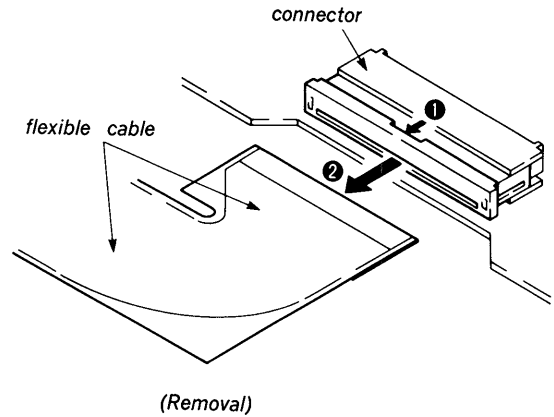


2-6. INSTALLATION OF DRIVE CAM

- 1) Confirm that the rack (R) ① has been slid until it contacts the rear side.
- 2) Install by setting the round hole ③ of the drive cam ② to face the front side and by engaging it to the gear (C) ④.
- 3) Rotate the two drive cam holding plates ⑤ to the respective directions of arrow and secure the drive cam ②.

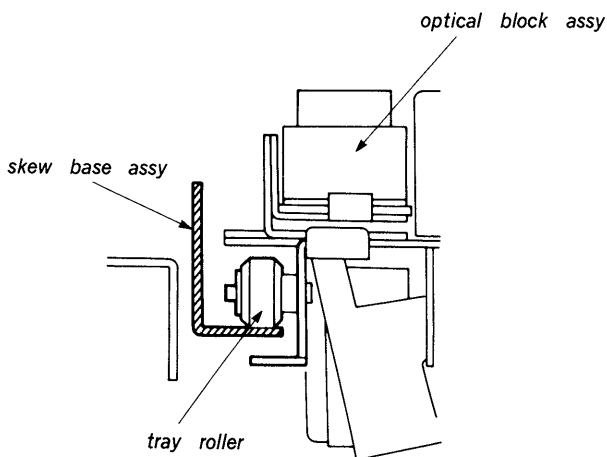


Remove or connect the flexible cable of optical block assy from or the connector by sliding it as shown below. The cable may be damaged by the forced handing.



<Caution on Optical Block Ass'y Installation>

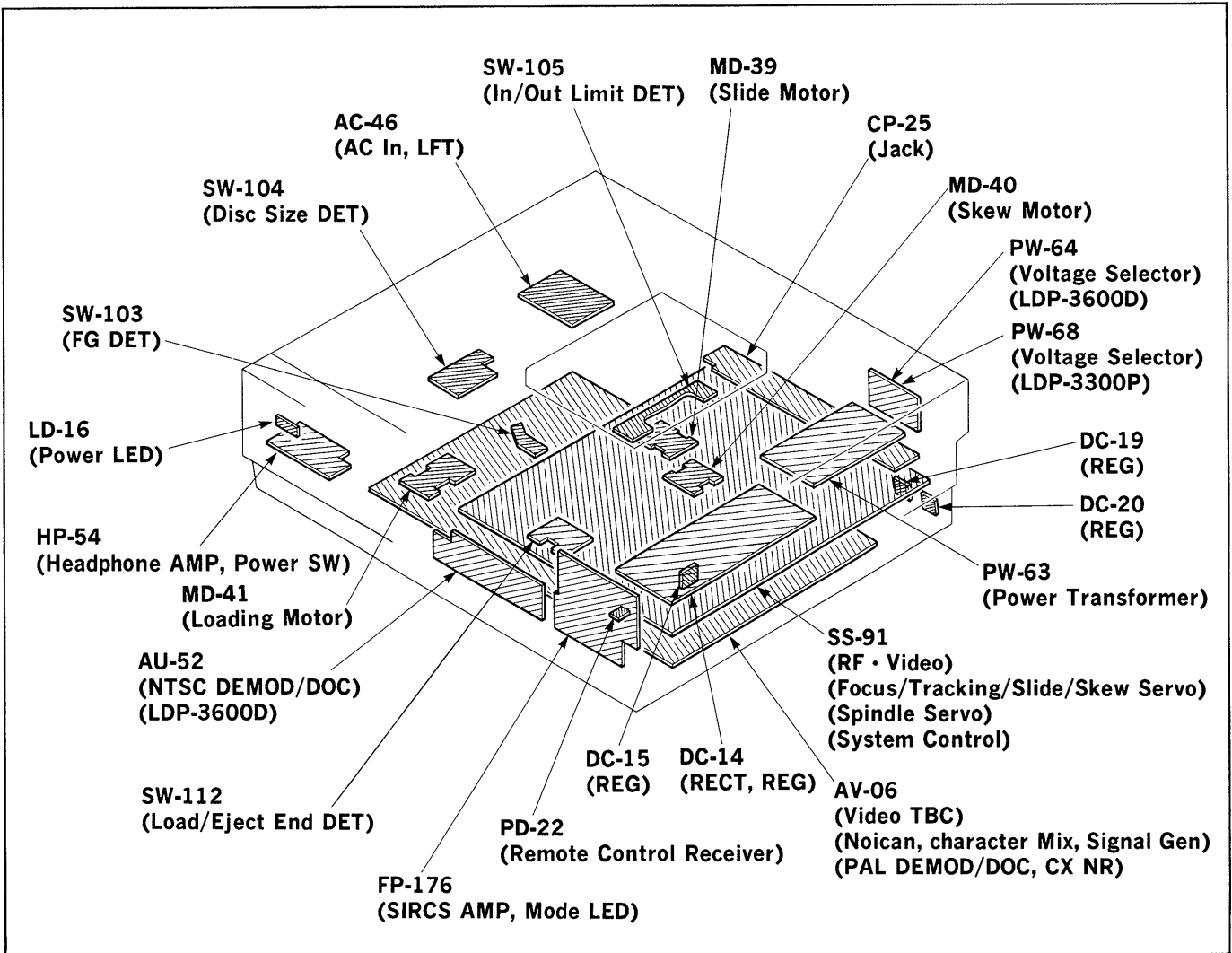
Be sure to set the tray roller to the skew basw assy correctly, when installing optical block assy.



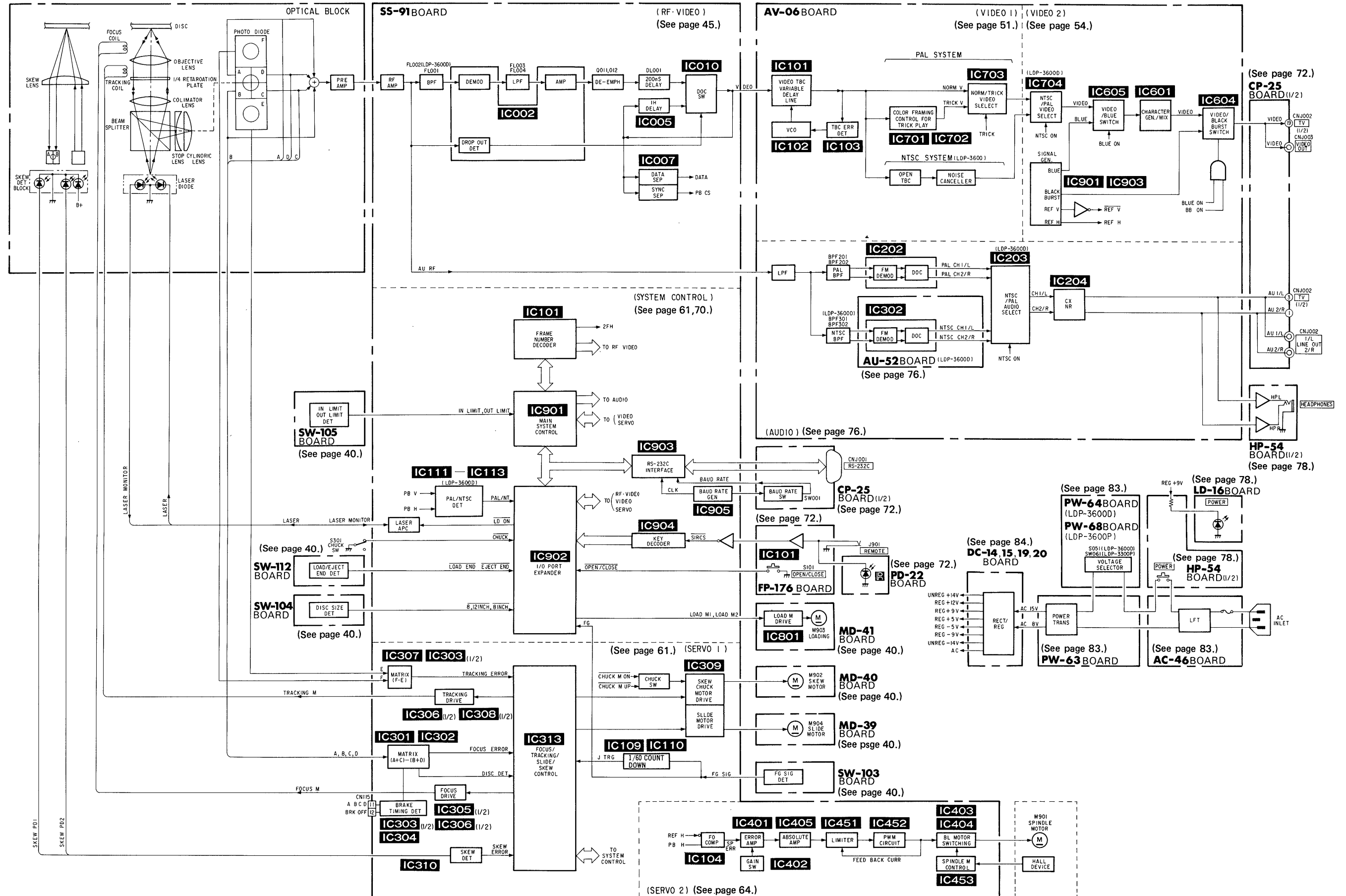
<Normal setting>

SECTION 3 DIAGRAMS

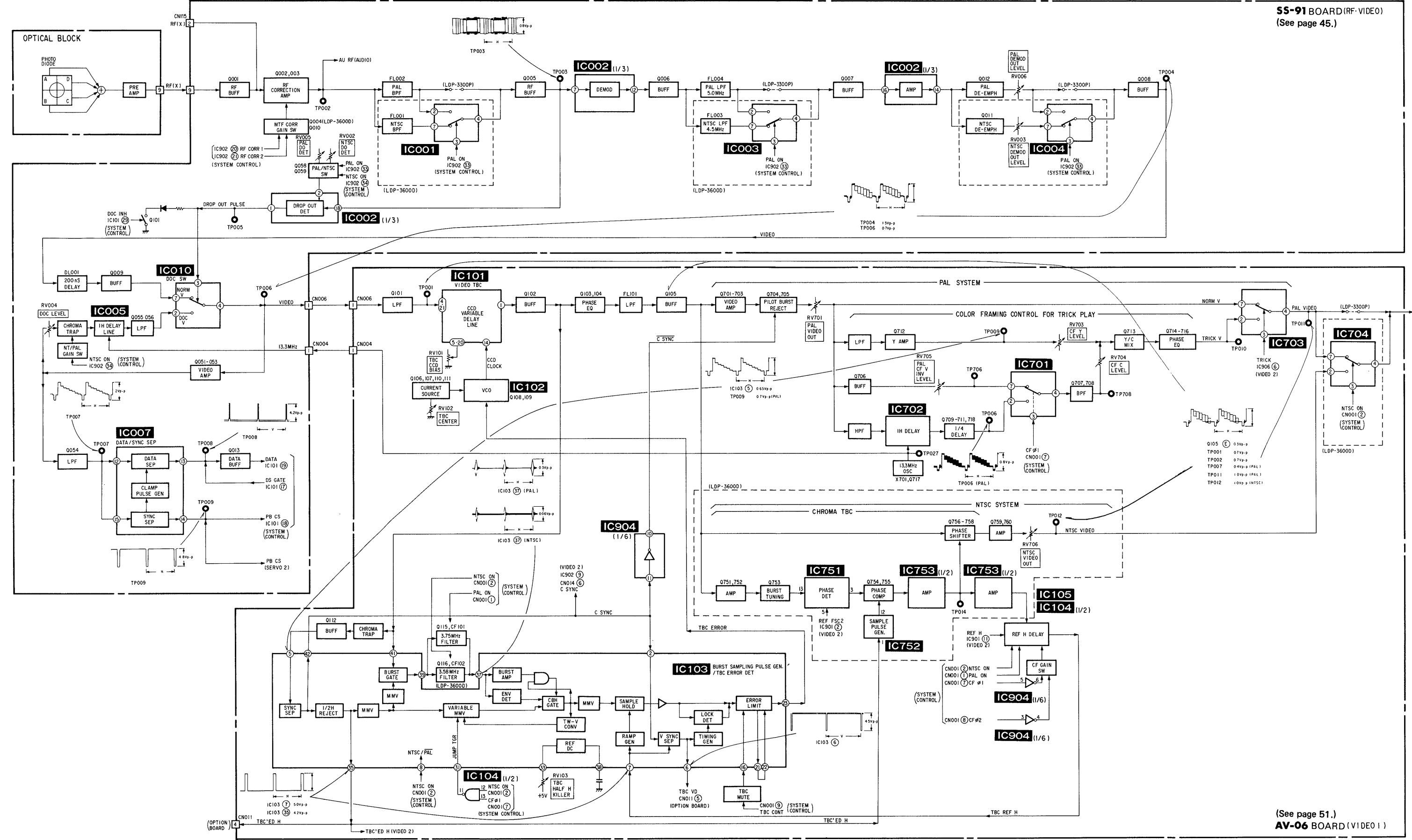
3-1. CIRCUIT BOARDS LOCATION



3-2. OVERALL BLOCK DIAGRAM



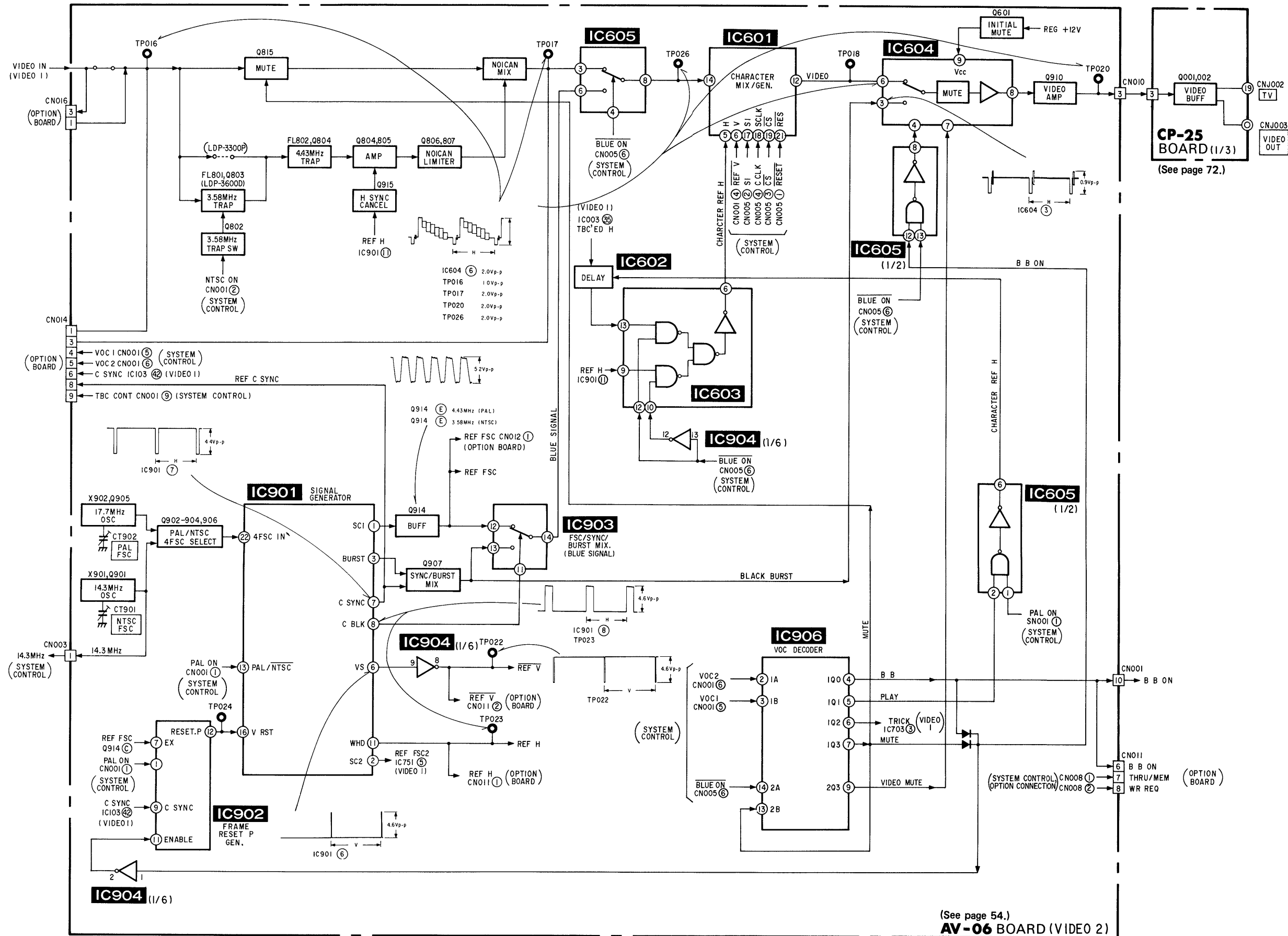
3-3. VIDEO (1) BLOCK DIAGRAM



55-91 BOARD (RF-VIDEO)
(See page 45.)

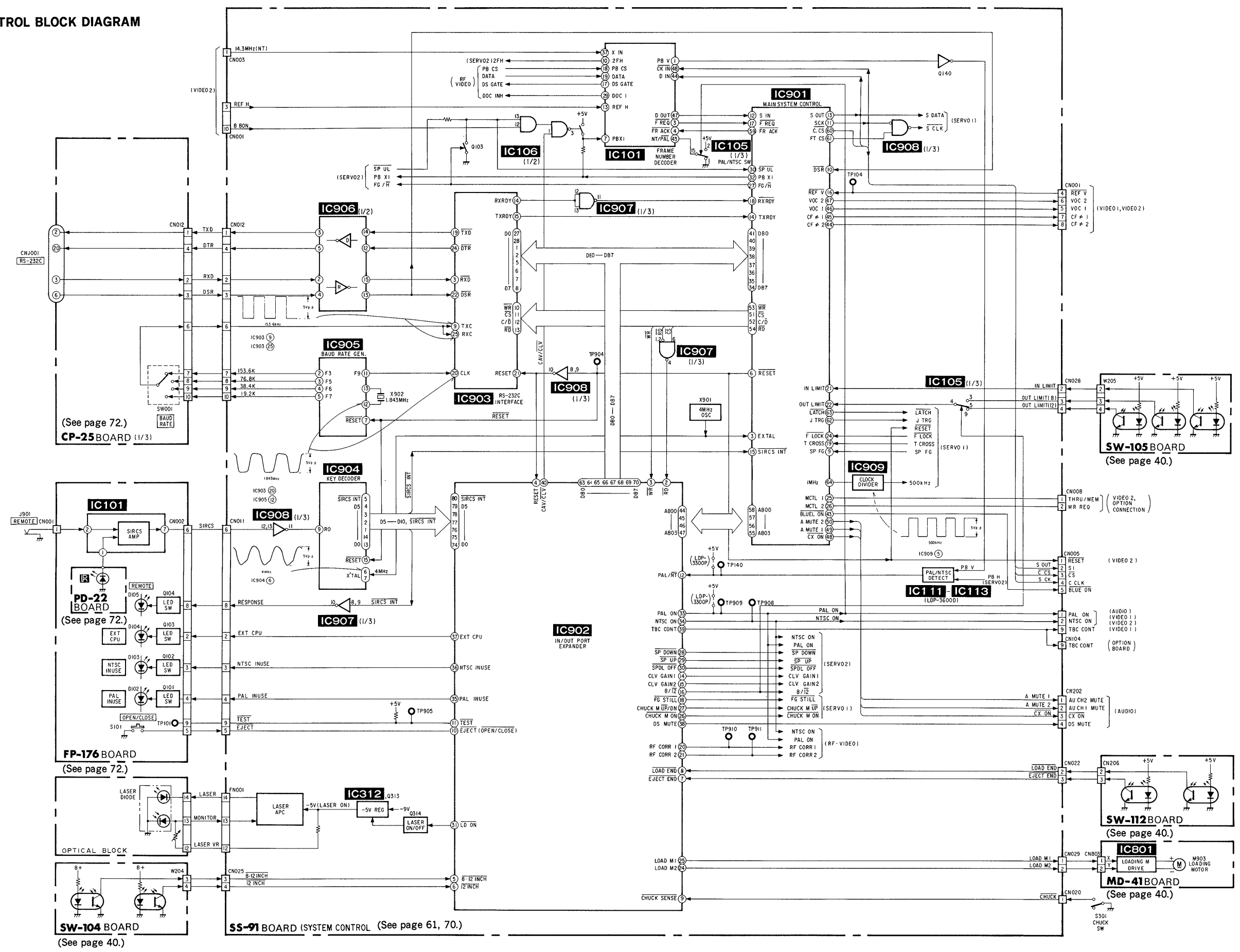
(See page 51.)
AV-06 BOARD (VIDEO 1)

3-4. VIDEO (2) BLOCK DIAGRAM

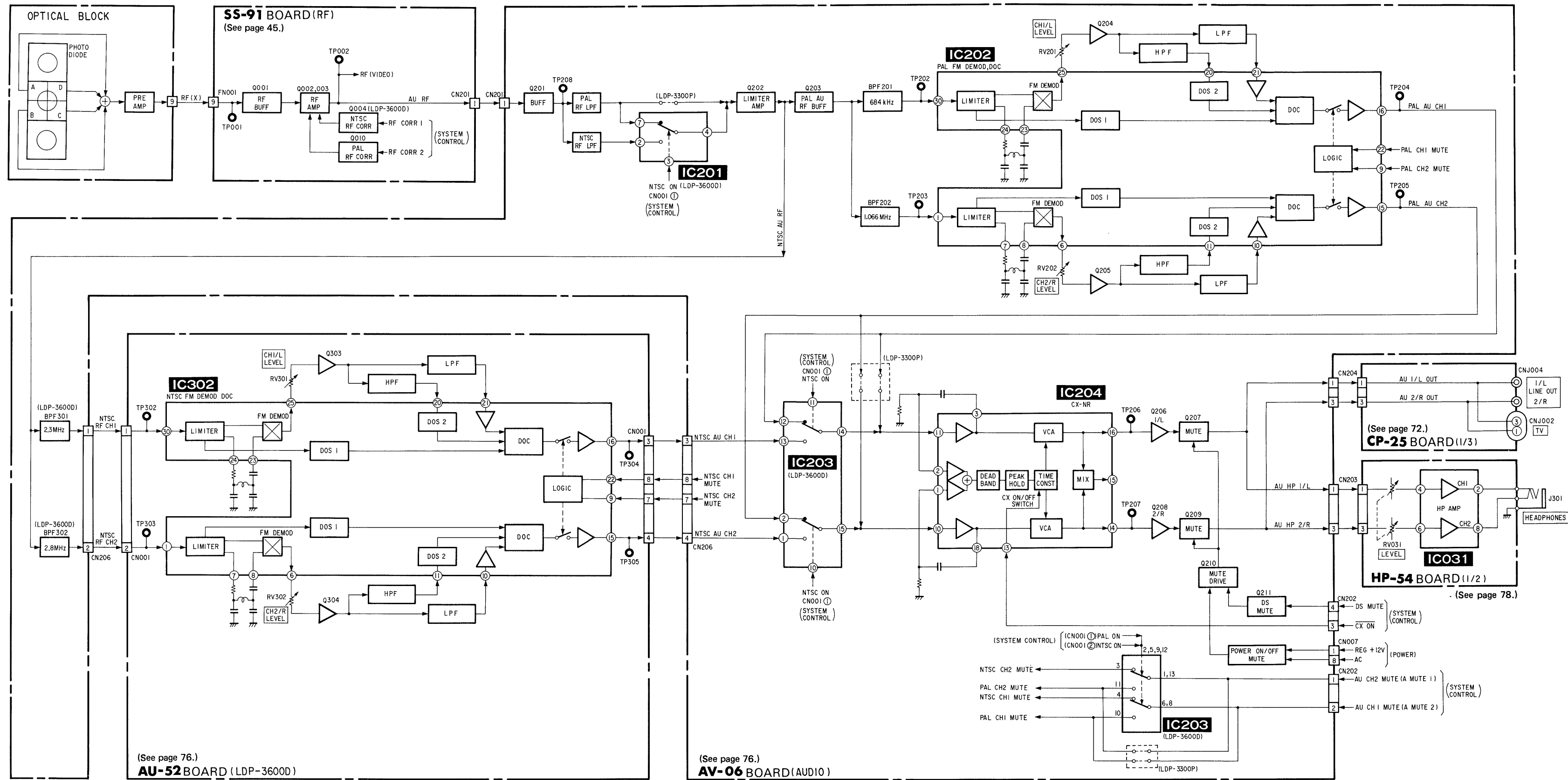


(See page 54.)
AV-06 BOARD (VIDEO 2)

3-7. SYSTEM CONTROL BLOCK DIAGRAM



3-8. AUDIO BLOCK DIAGRAM



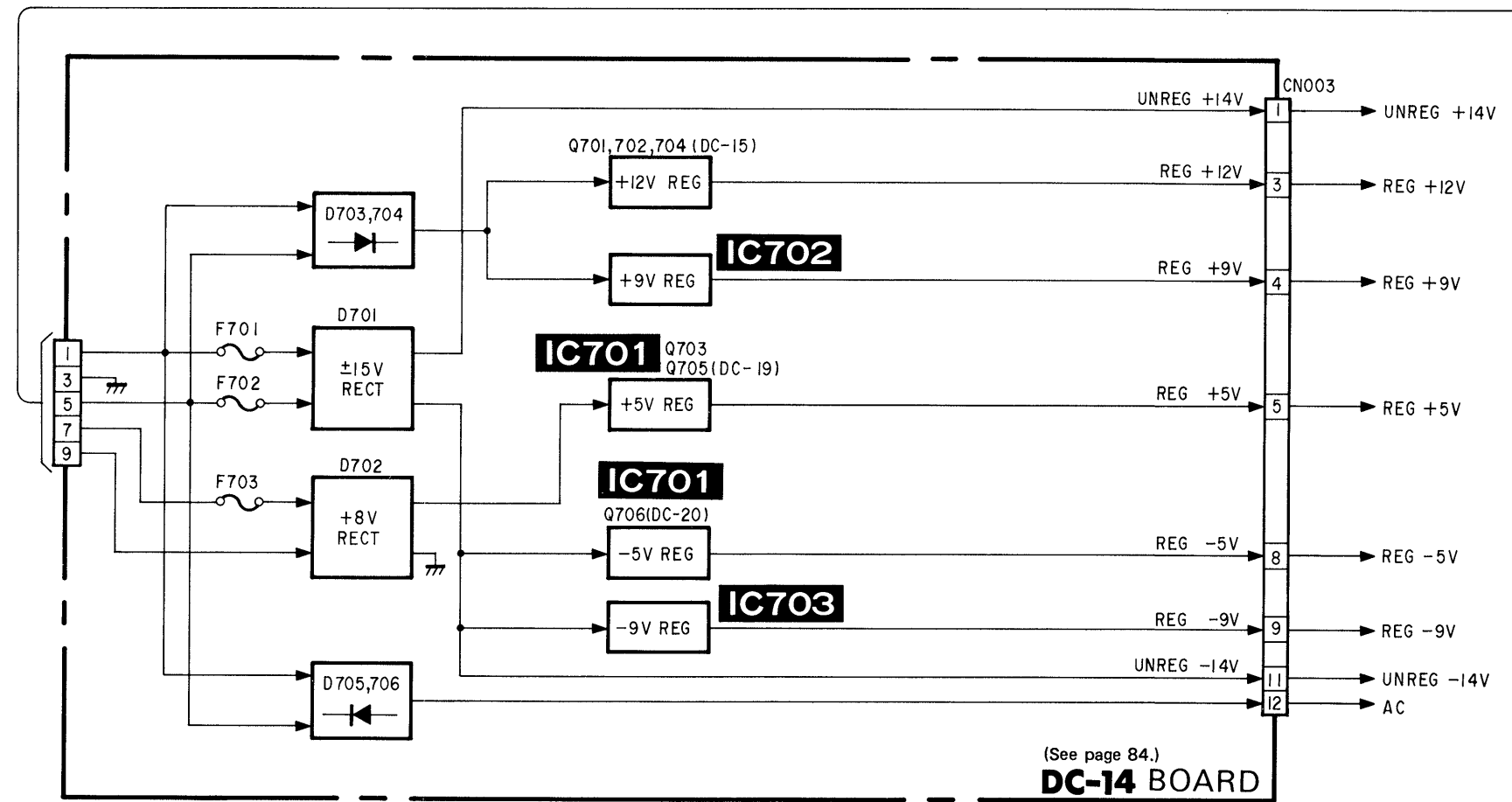
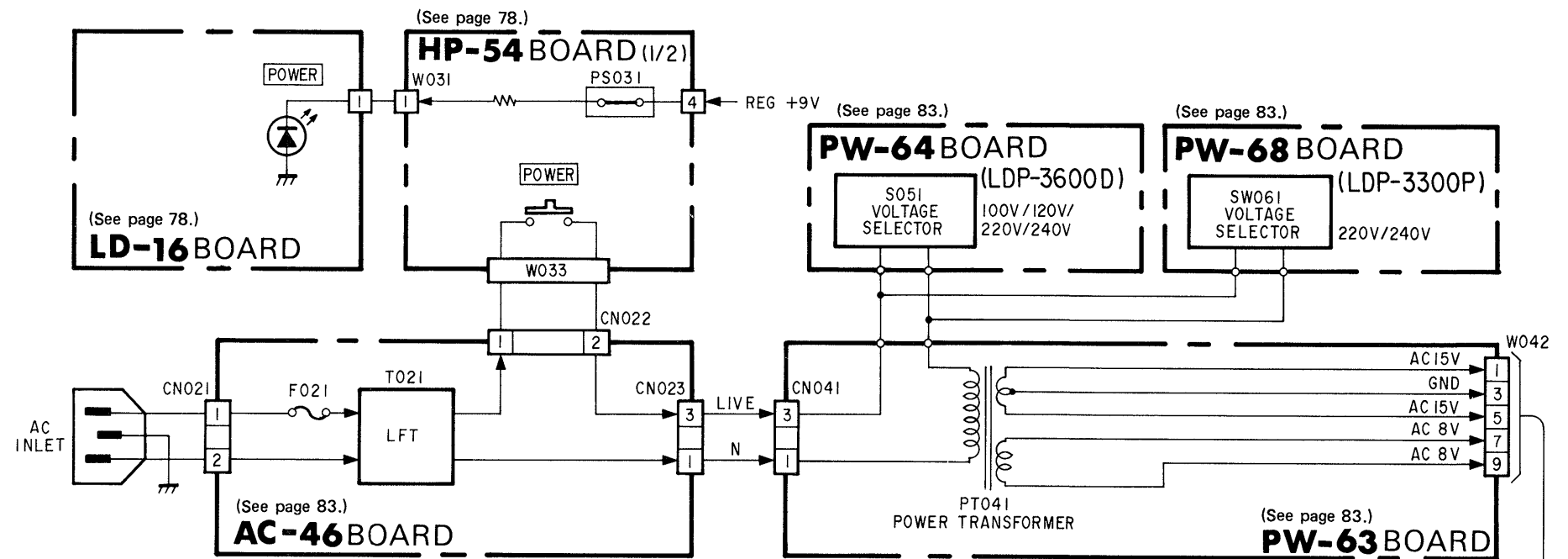
(See page 76.)
AU-52 BOARD (LDP-36000)

(See page 76.)
AV-06 BOARD (AUDIO)

(See page 72.)
CP-25 BOARD (1/3)

(See page 78.)
HP-54 BOARD (1/2)

3-9. POWER BLOCK DIAGRAM

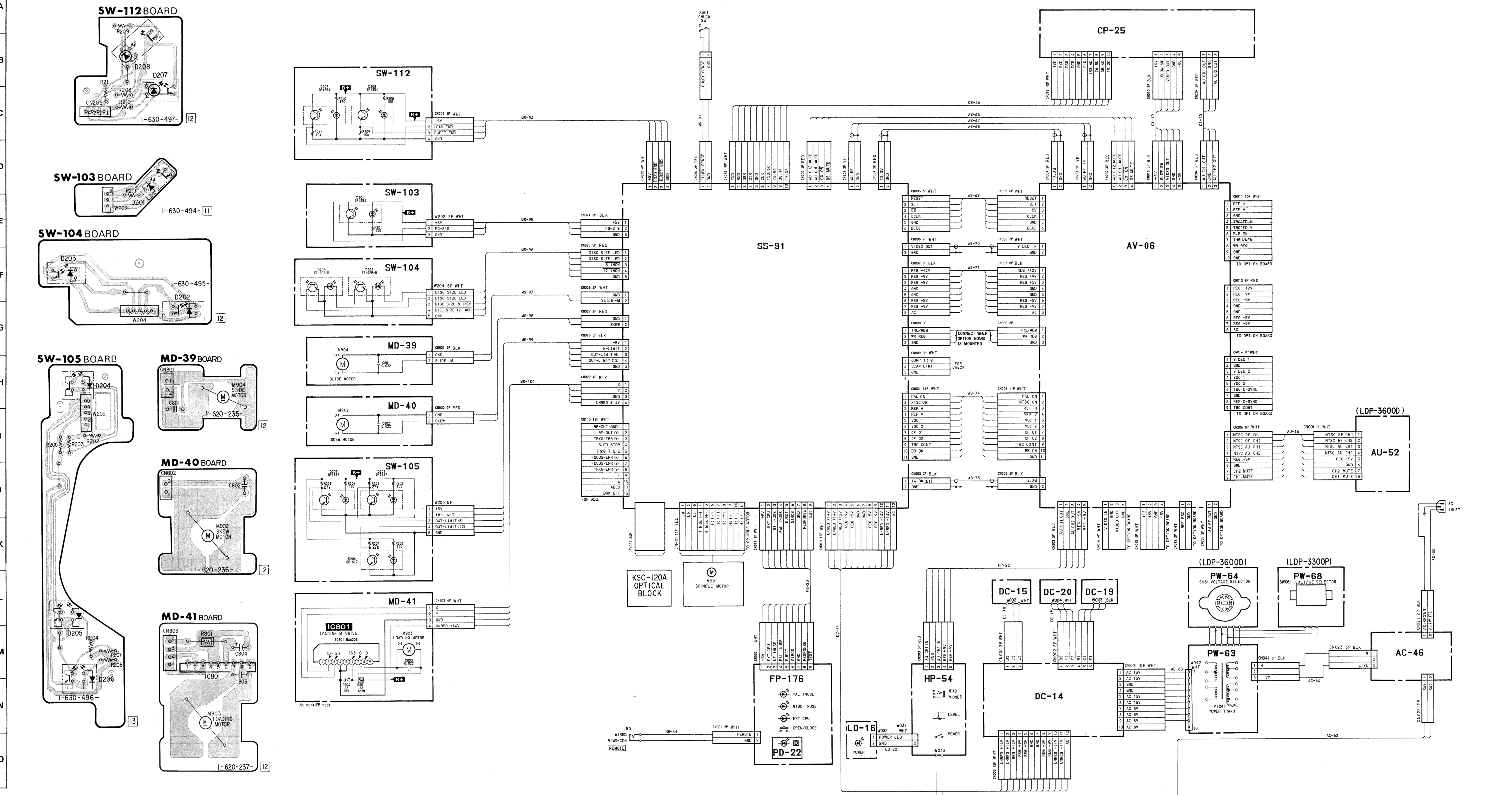


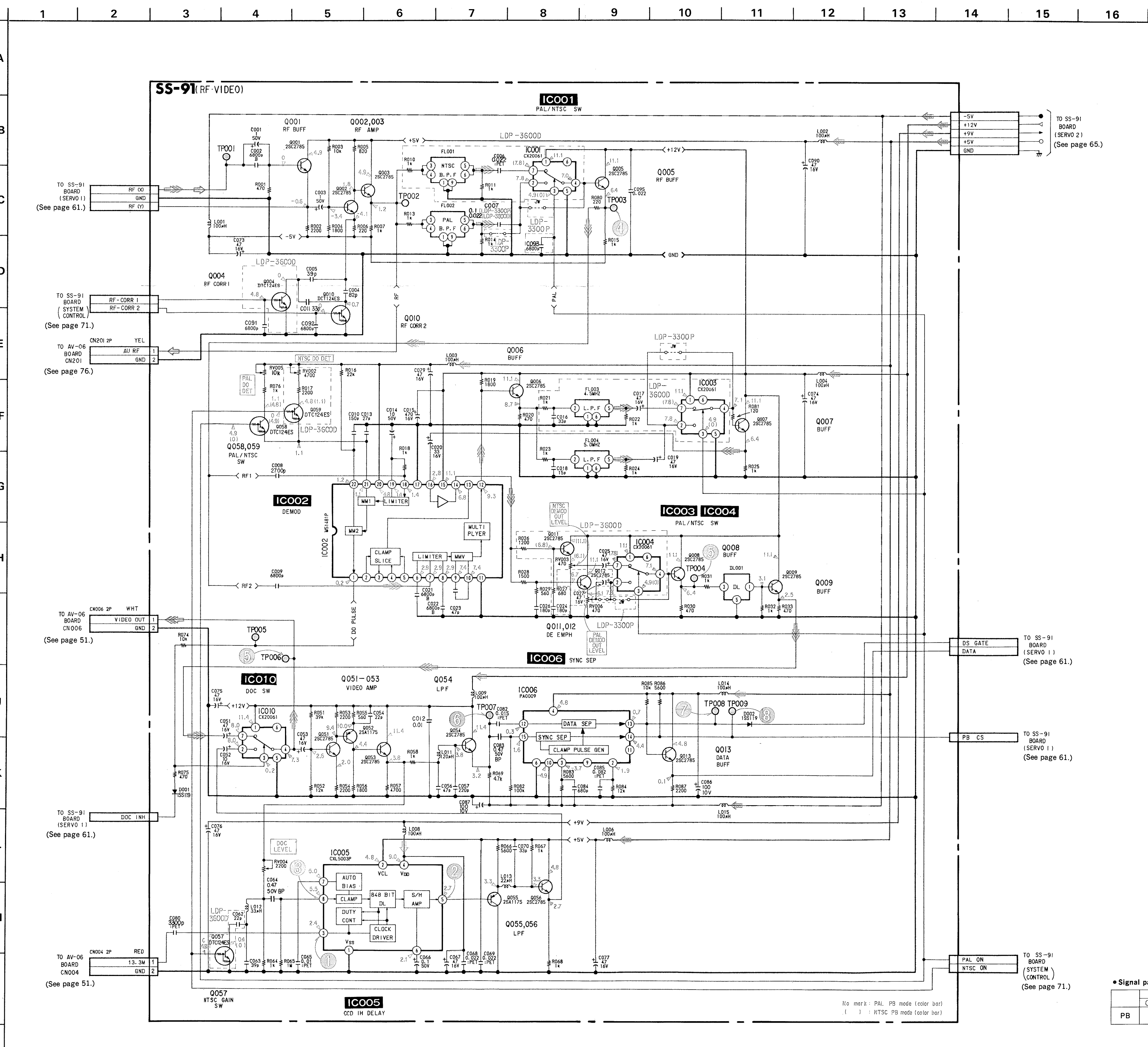
SECTION 4
PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

4-1. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28

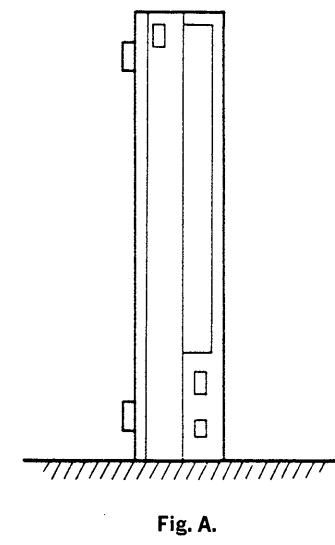
FRAME SCHEMATIC DIAGRAM AND MD-39 (SLIDE MOTOR), MD-40 (SKEW MOTOR), MD-41 (LOADING MOTOR), SW-103 (FG DET), SW-104 (DISC SIZE DET), SW-105 (IN/OUT LIMIT DET), SW-112 (LOAD/EJECT END DET) PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAM
—Ref. No. MD-39, MD-40, MD-41, SW-103, SW-104, SW-105 and SW-112 BOARDS: 1,000 series—





THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS.
 (In addition to this, the necessary note is printed in each block.)

CAUTION OF SERVICING
 • Do not make insertion or ejection of the disc with the set as shown in Fig. A. The disc may be damaged.
 • When operates with the state as Fig. A.



• For printed wiring board

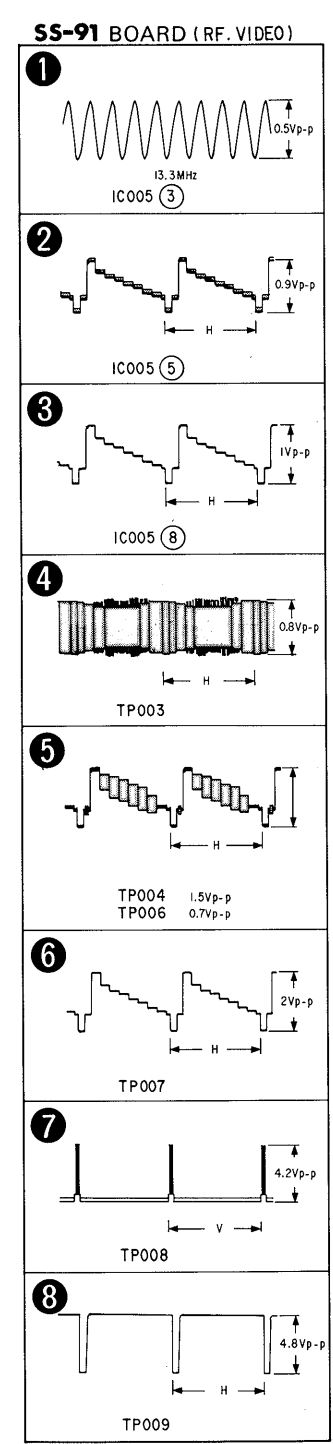
- — : indicates a lead wire mounted on the component side.
- — : indicates a lead wire mounted on the conductor side.
- — ○ : Jumper wire connected to the ground pattern on the component side.
- — ○ — ○ : The jumper wire connected to another jumper wire by the pattern on the component side.
- : conductor side.
- : Circled numbers refer to waveforms.

• For schematic diagram

- All resistors are in ohms, 1/4W unless otherwise noted. kΩ: 1000Ω, MΩ: 1000kΩ.
- All capacitors are in μF unless otherwise noted. pF: μμF, 50V or less are not indicated except for electrolytics and tantalums.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- □ : nonflammable resistor.
- ⊞ : fusible resistor.
- □ : panel designation.
- △ : internal component.
- □ : adjustment for repair.
- ○ : B + Line.
- ○ : B - Line.
- ⊞ : IN/OUT direction of B (+, -) line.
- Circled numbers refer to waveforms.
- Voltages are dc between ground and measurement points.
- Readings are taken with a playback color-bar signal of standard disc.
- Readings are taken with a digital multimeter (DC10MΩ).
- Voltage variations may be noted due to normal production tolerances.

Note: The components identified by mark or dotted line with mark are critical for safety. Replace only with part number specified.

When indicating parts by reference number, please include the board name.



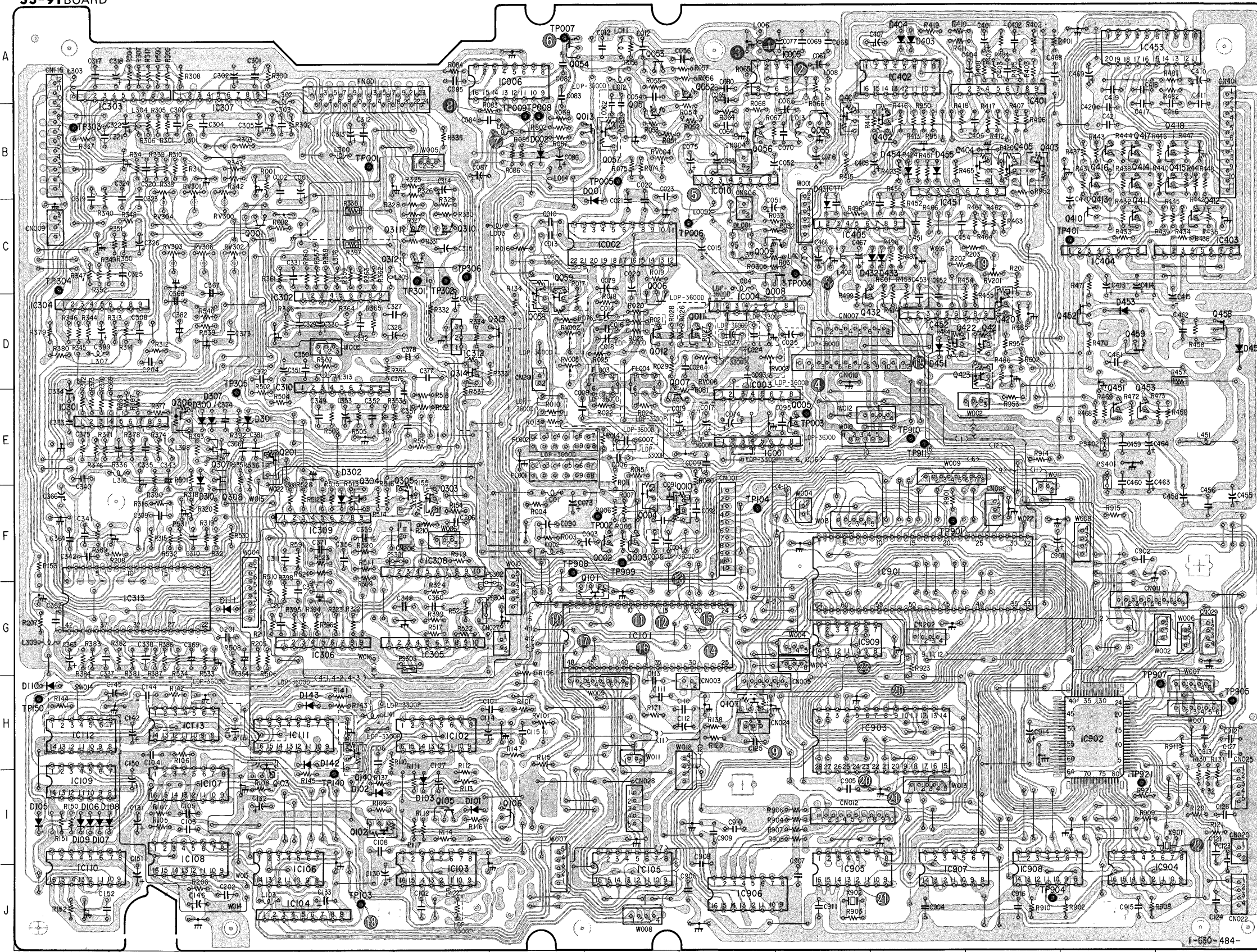
• Signal path

| | VIDEO Signal | AUDIO Signal |
|----------|--------------|--------------|
| CHROMA | → | → |
| Y | → | → |
| V/CHROMA | → | → |
| PB | → | → |

SS-91 (RF · VIDEO) PRINTED WIRING BOARD

—Ref. No. SS-91 BOARD: 7,000 series—

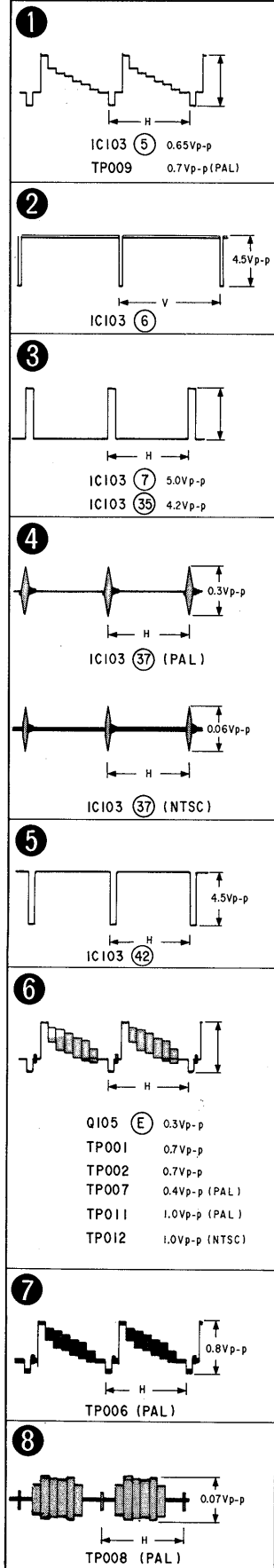
SS-91 BOARD



| | | | | | |
|-------|------|-------|------|-------|------|
| CN001 | F-8 | IC452 | D-10 | RV306 | C-3 |
| CN003 | H-8 | IC453 | A-13 | | |
| CN004 | B-8 | IC901 | F-10 | TP001 | B-4 |
| CN005 | H-8 | IC902 | H-12 | TP002 | E-7 |
| CN006 | C-8 | IC903 | H-10 | TP003 | E-9 |
| CN007 | D-9 | IC904 | J-13 | TP004 | C-9 |
| CN008 | F-11 | IC905 | J-9 | TP005 | B-7 |
| CN009 | C-1 | IC906 | J-8 | TP006 | C-8 |
| CN010 | D-9 | IC907 | J-10 | TP007 | A-6 |
| CN011 | G-12 | IC908 | J-11 | TP008 | B-6 |
| CN012 | I-9 | IC909 | G-9 | TP009 | B-6 |
| CN020 | I-13 | | | TP103 | J-4 |
| CN022 | J-13 | Q001 | C-3 | TP104 | F-8 |
| CN024 | H-8 | Q002 | F-7 | TP140 | I-4 |
| CN025 | I-13 | Q003 | F-7 | TP150 | H-1 |
| CN026 | F-5 | Q004 | F-7 | TP301 | C-5 |
| CN027 | G-6 | Q005 | H-8 | TP302 | C-5 |
| CN028 | I-7 | Q006 | D-7 | TP303 | B-1 |
| CN029 | G-13 | Q007 | E-8 | TP304 | C-1 |
| CN115 | A-1 | Q008 | C-9 | TP305 | D-3 |
| CN201 | D-6 | Q009 | C-9 | TP306 | C-5 |
| CN202 | G-10 | Q010 | F-8 | TP401 | C-12 |
| CN401 | B-13 | Q011 | D-8 | TP901 | F-10 |
| | | Q012 | D-7 | TP904 | J-11 |
| | | Q013 | B-7 | TP905 | H-13 |
| D001 | C-7 | Q051 | B-7 | TP907 | H-13 |
| D101 | I-5 | Q052 | A-8 | TP908 | F-6 |
| D102 | I-4 | Q053 | A-7 | TP909 | F-7 |
| D103 | I-5 | Q054 | A-6 | TP910 | E-10 |
| D105 | I-1 | Q055 | B-9 | TP911 | E-10 |
| D106 | I-1 | Q056 | B-8 | TP921 | I-12 |
| D107 | I-1 | Q057 | B-7 | | |
| D108 | I-1 | Q058 | D-6 | | |
| D109 | I-1 | Q059 | D-6 | | |
| D110 | H-1 | Q101 | G-7 | | |
| D111 | G-3 | Q102 | I-4 | | |
| D142 | H-4 | Q103 | I-3 | | |
| D143 | H-4 | Q104 | J-6 | | |
| D300 | E-3 | Q105 | I-5 | | |
| D301 | E-3 | Q106 | I-6 | | |
| D302 | F-4 | Q107 | H-8 | | |
| D307 | E-3 | Q108 | I-6 | | |
| D310 | E-3 | Q140 | H-4 | | |
| D403 | A-10 | Q201 | E-3 | | |
| D404 | A-10 | Q303 | F-5 | | |
| D431 | C-9 | Q304 | F-4 | | |
| D432 | C-10 | Q305 | F-5 | | |
| D452 | D-13 | Q306 | E-2 | | |
| D453 | D-12 | Q307 | E-3 | | |
| D454 | B-10 | Q308 | F-3 | | |
| D455 | B-10 | Q310 | C-5 | | |
| D433 | C-10 | Q311 | C-5 | | |
| D451 | D-10 | Q312 | C-5 | | |
| | | Q313 | D-6 | | |
| | | Q314 | D-5 | | |
| IC001 | E-8 | Q401 | B-9 | | |
| IC002 | C-7 | Q402 | B-10 | | |
| IC003 | E-8 | Q403 | B-11 | | |
| IC004 | D-8 | Q404 | B-11 | | |
| IC005 | A-9 | Q405 | B-11 | | |
| IC006 | A-6 | Q410 | C-12 | | |
| IC010 | B-8 | Q411 | C-12 | | |
| IC011 | G-7 | Q412 | C-13 | | |
| IC012 | H-5 | Q413 | B-12 | | |
| IC013 | J-5 | Q414 | B-12 | | |
| IC014 | J-3 | Q415 | B-13 | | |
| IC015 | J-7 | Q416 | B-12 | | |
| IC016 | J-3 | Q417 | B-12 | | |
| IC017 | I-2 | Q418 | B-13 | | |
| IC018 | I-2 | Q420 | D-11 | | |
| IC019 | I-1 | Q421 | D-11 | | |
| IC010 | J-1 | Q422 | D-11 | | |
| IC011 | H-3 | Q423 | D-11 | | |
| IC012 | H-1 | Q432 | D-10 | | |
| IC013 | H-2 | Q451 | E-12 | | |
| IC301 | E-1 | Q452 | D-12 | | |
| IC302 | D-4 | Q453 | E-12 | | |
| IC303 | A-2 | Q458 | D-13 | | |
| IC304 | D-1 | Q459 | D-12 | | |
| IC305 | G-5 | | | | |
| IC306 | G-4 | RV002 | D-6 | | |
| IC307 | A-3 | RV003 | D-8 | | |
| IC308 | F-5 | RV004 | B-7 | | |
| IC309 | F-4 | RV005 | D-6 | | |
| IC310 | E-4 | RV006 | D-8 | | |
| IC312 | D-5 | RV101 | H-6 | | |
| IC313 | G-2 | RV201 | C-11 | | |
| IC401 | A-11 | RV300 | C-3 | | |
| IC402 | A-10 | RV301 | C-2 | | |
| IC403 | C-13 | RV302 | C-3 | | |
| IC404 | C-12 | RV303 | C-2 | | |
| IC405 | C-9 | RV304 | G-2 | | |
| IC451 | B-10 | | | | |

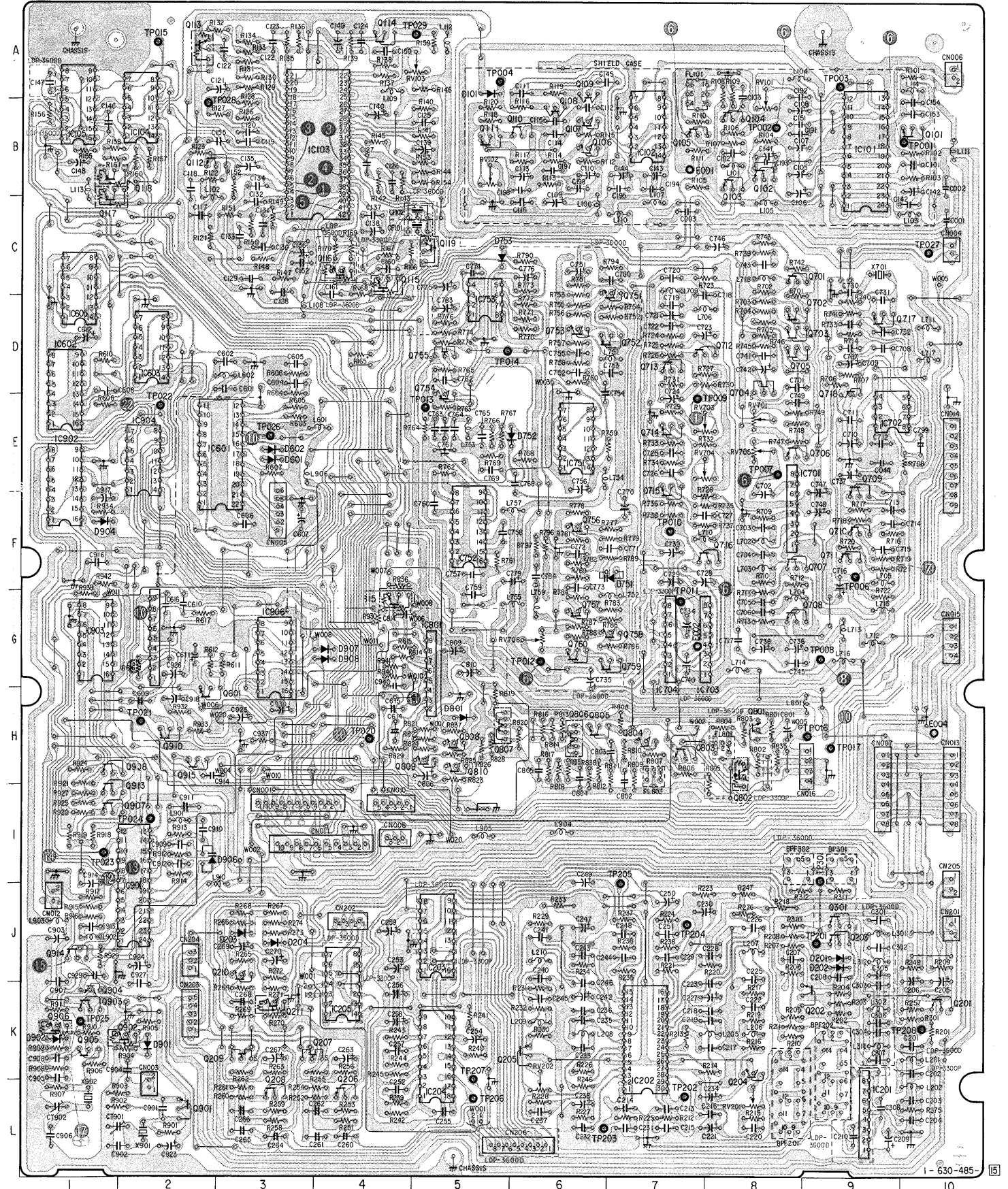
AV-06 (VIDEO (1) —VIDEO TBC—) PRINTED WIRING BOARD
 —Ref. No. AV-06 BOARD: 2,000 series—

AV-06 BOARD (VIDEO 1)

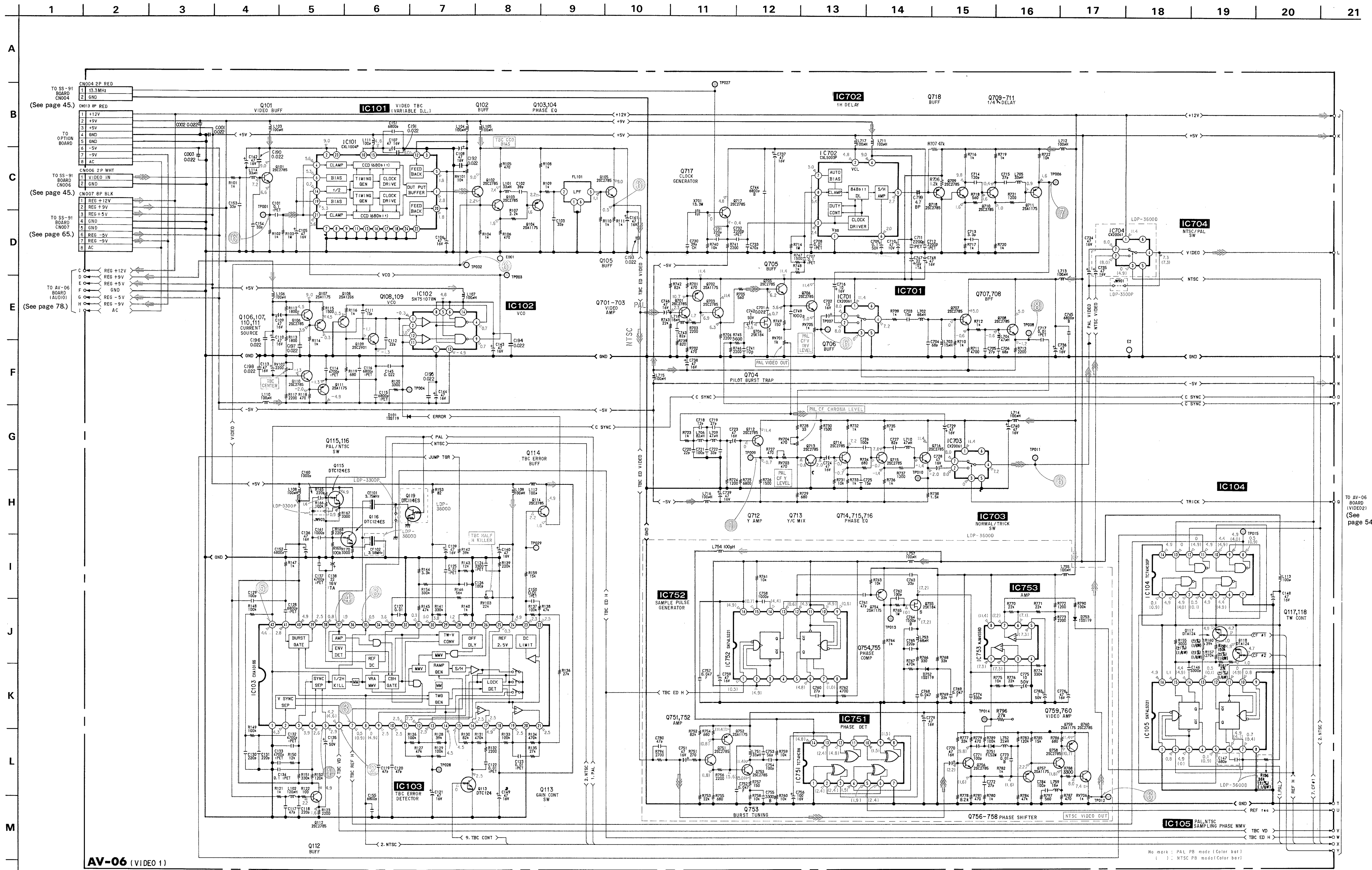


| | | | | | |
|-------|------|-------|------|-------|------|
| CN001 | I-3 | Q203 | J-9 | TP022 | E-2 |
| CN003 | K-2 | Q204 | K-8 | TP023 | I-1 |
| CN004 | C-10 | Q205 | K-6 | TP024 | I-2 |
| CN005 | F-3 | Q206 | I-4 | TP025 | K-1 |
| CN006 | A-10 | Q207 | K-3 | TP026 | E-3 |
| CN007 | H-9 | Q208 | L-3 | TP027 | C-10 |
| CN008 | I-4 | Q209 | K-3 | TP028 | B-2 |
| CN010 | I-4 | Q210 | J-3 | TP029 | A-5 |
| CN011 | I-4 | Q211 | K-3 | TP201 | J-9 |
| CN012 | J-1 | Q301 | J-9 | TP202 | L-7 |
| CN013 | H-10 | Q601 | G-2 | TP203 | L-6 |
| CN014 | E-10 | Q701 | C-9 | TP204 | J-7 |
| CN015 | G-10 | Q702 | D-8 | TP205 | I-7 |
| CN016 | H-9 | Q703 | D-8 | TP206 | L-5 |
| CN201 | J-10 | Q704 | D-8 | TP207 | K-5 |
| CN202 | J-4 | Q705 | D-8 | TP208 | K-10 |
| CN203 | K-2 | Q706 | E-9 | TP301 | I-9 |
| CN204 | J-2 | Q707 | F-8 | | |
| CN205 | I-10 | Q708 | G-8 | | |
| CN206 | L-6 | Q709 | E-9 | | |
| | | Q710 | F-9 | | |
| CT901 | L-2 | Q711 | F-9 | | |
| CT902 | L-1 | Q712 | D-8 | | |
| | | Q713 | D-7 | | |
| | | Q714 | E-7 | | |
| D101 | A-5 | Q715 | E-7 | | |
| D201 | J-9 | Q716 | F-8 | | |
| D202 | J-9 | Q717 | D-9 | | |
| D203 | J-3 | Q718 | D-9 | | |
| D204 | J-3 | Q751 | C-7 | | |
| D601 | E-3 | Q752 | D-7 | | |
| D602 | E-3 | Q753 | D-6 | | |
| D751 | F-7 | Q754 | D-5 | | |
| D752 | E-6 | Q755 | D-5 | | |
| D753 | C-5 | Q756 | F-6 | | |
| D801 | H-5 | Q757 | G-6 | | |
| D901 | K-2 | Q758 | G-7 | | |
| D902 | K-1 | Q759 | G-7 | | |
| D904 | F-1 | Q760 | G-6 | | |
| D906 | I-2 | Q801 | H-8 | | |
| D907 | G-4 | Q802 | H-8 | | |
| D908 | G-4 | Q803 | H-7 | | |
| | | Q804 | H-7 | | |
| IC101 | B-9 | Q805 | H-6 | | |
| IC102 | B-7 | Q806 | H-6 | | |
| IC103 | B-4 | Q807 | H-5 | | |
| IC104 | B-2 | Q808 | H-5 | | |
| IC105 | B-1 | Q809 | H-5 | | |
| IC201 | L-9 | Q810 | H-5 | | |
| IC202 | K-7 | Q815 | G-4 | | |
| IC203 | J-5 | Q901 | L-2 | | |
| IC204 | K-5 | Q902 | K-2 | | |
| IC205 | K-4 | Q903 | K-1 | | |
| IC601 | E-3 | Q904 | K-1 | | |
| IC602 | D-1 | Q905 | K-1 | | |
| IC603 | D-2 | Q906 | K-1 | | |
| IC604 | G-2 | Q907 | I-1 | | |
| IC605 | D-1 | Q908 | H-2 | | |
| IC701 | E-8 | Q910 | H-2 | | |
| IC702 | E-9 | Q913 | I-1 | | |
| IC703 | G-8 | Q914 | J-1 | | |
| IC704 | G-7 | Q915 | H-2 | | |
| IC751 | E-6 | | | | |
| IC752 | F-5 | RV101 | B-8 | | |
| IC753 | D-5 | RV102 | B-5 | | |
| IC801 | G-5 | RV103 | A-5 | | |
| IC901 | I-2 | RV201 | L-8 | | |
| IC902 | E-1 | RV202 | K-6 | | |
| IC903 | G-1 | RV701 | E-8 | | |
| IC904 | E-2 | RV703 | E-8 | | |
| IC906 | G-3 | RV704 | E-8 | | |
| | | RV705 | E-8 | | |
| | | RV706 | G-6 | | |
| Q101 | B-10 | TP001 | B-10 | | |
| Q102 | B-8 | TP002 | B-8 | | |
| Q103 | B-8 | TP003 | A-9 | | |
| Q104 | B-8 | TP004 | A-5 | | |
| Q105 | B-7 | TP006 | F-9 | | |
| Q106 | B-6 | TP007 | E-8 | | |
| Q107 | B-6 | TP008 | G-9 | | |
| Q108 | B-6 | TP009 | D-8 | | |
| Q109 | A-6 | TP010 | F-7 | | |
| Q110 | B-6 | TP011 | G-7 | | |
| Q111 | B-5 | TP012 | G-6 | | |
| Q112 | B-2 | TP013 | E-5 | | |
| Q113 | A-2 | TP014 | D-5 | | |
| Q114 | A-4 | TP015 | A-2 | | |
| Q115 | C-4 | TP016 | H-9 | | |
| Q116 | C-4 | TP017 | H-9 | | |
| Q117 | C-1 | TP020 | H-4 | | |
| Q118 | B-1 | TP021 | H-2 | | |
| Q119 | C-5 | | | | |
| Q201 | K-10 | | | | |
| Q202 | K-9 | | | | |

AV-06 BOARD



AV-06 (VIDEO 1) —VIDEO TBC— SCHEMATIC DIAGRAM
 —Ref. No. AV-06 BOARD: 2,000 series—

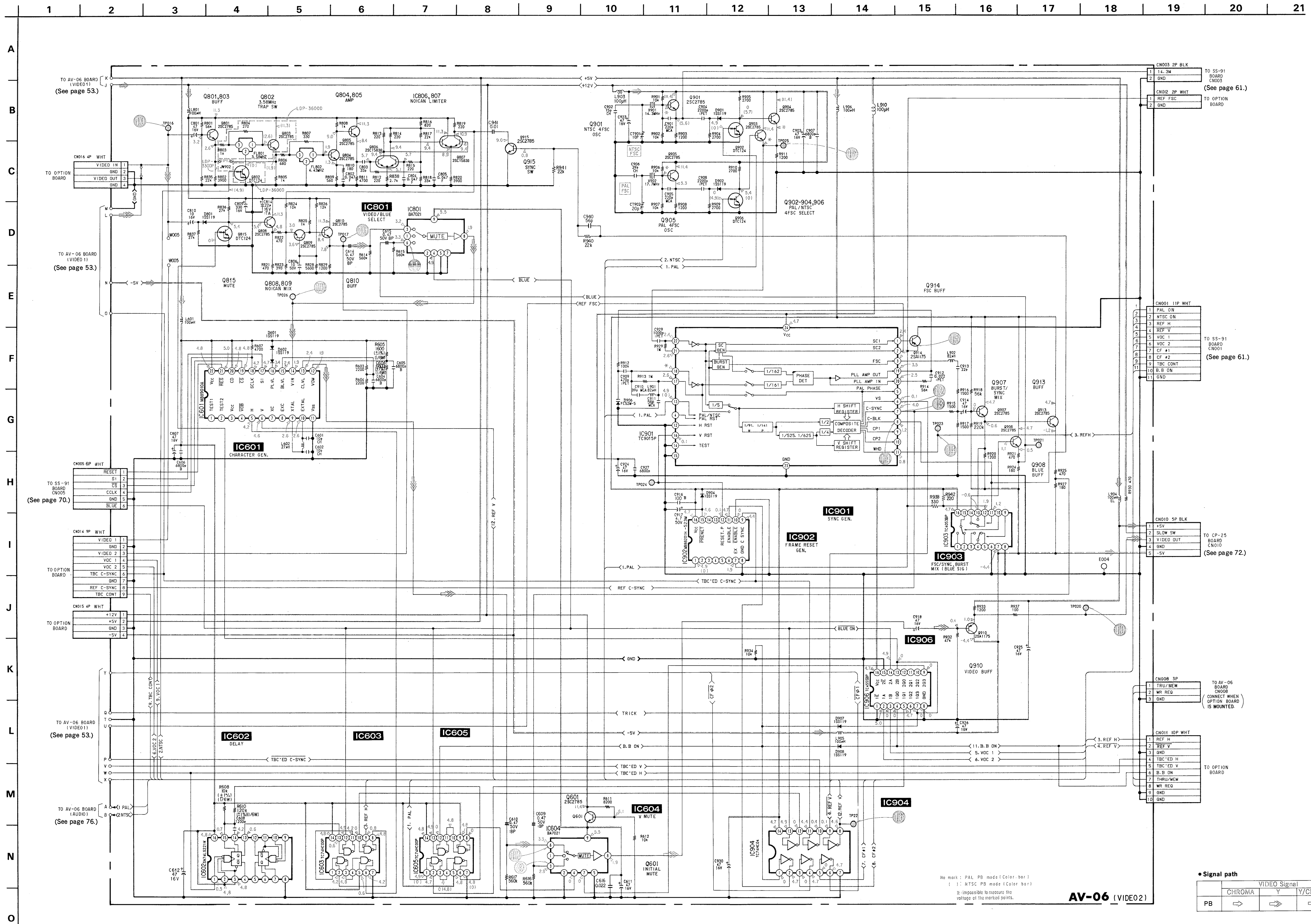


• Signal path

| | CHROMA | Y | Y/CHROMA | AUDIO |
|----|--------|---|----------|-------|
| PB | ⇒ | ⇒ | ⇒ | ⇒ |

No mark: PAL PB mode (Color bet)
 (): NTSC PB mode (Color bet)

AV-06 (VIDEO 2) —NOICAN, CHARACTER MIX, SIGNAL GEN— SCHEMATIC DIAGRAM
 —Ref. No. AV-06 BOARD: 2,000 series—



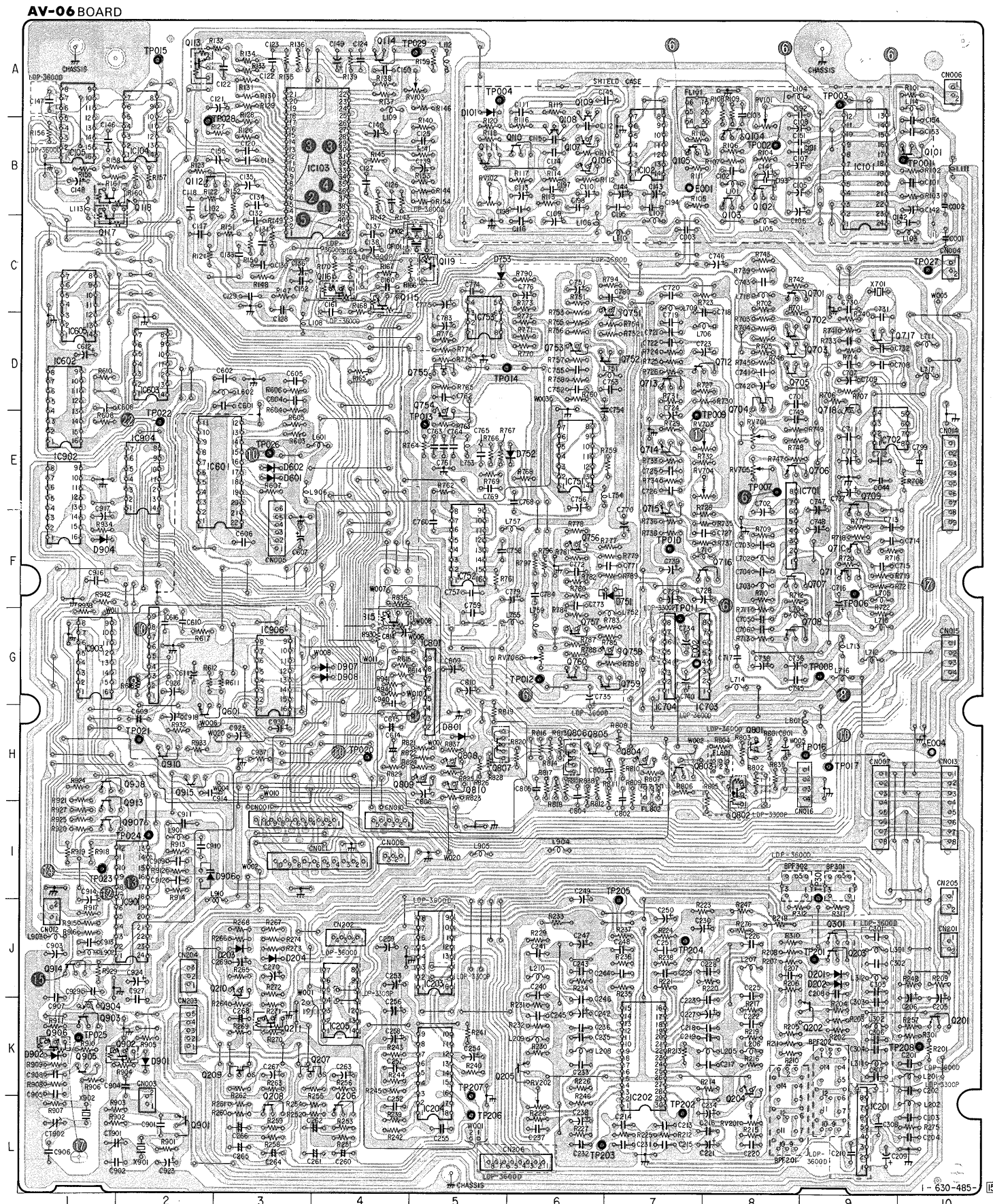
No mark: PAL PB mode (Color bar)
 (): NTSC PB mode (Color bar)
 #: Impossible to measure the voltage of the marked points.

AV-06 (VIDEO2)

• Signal path

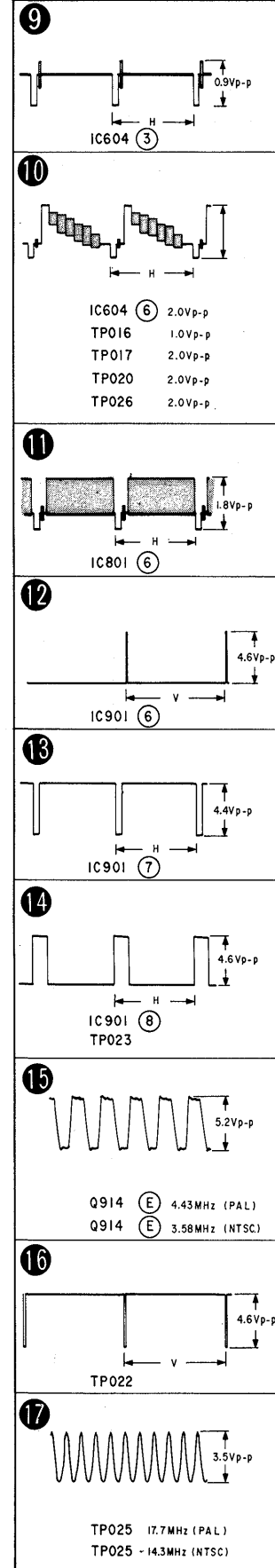
| | CHROMA | VIDEO Signal | Y/CHROMA | AUDIO Signal |
|----|--------|--------------|----------|--------------|
| PB | ⇒ | ⇒ | ⇒ | ⇒ |

AV-06 (VIDEO 2) —NOICAN, CHARCTER MIX, SIGNAL GEN— PRINTED WIRING BOARD
 —Ref. No. AV-06 BOARD : 2,000 series—



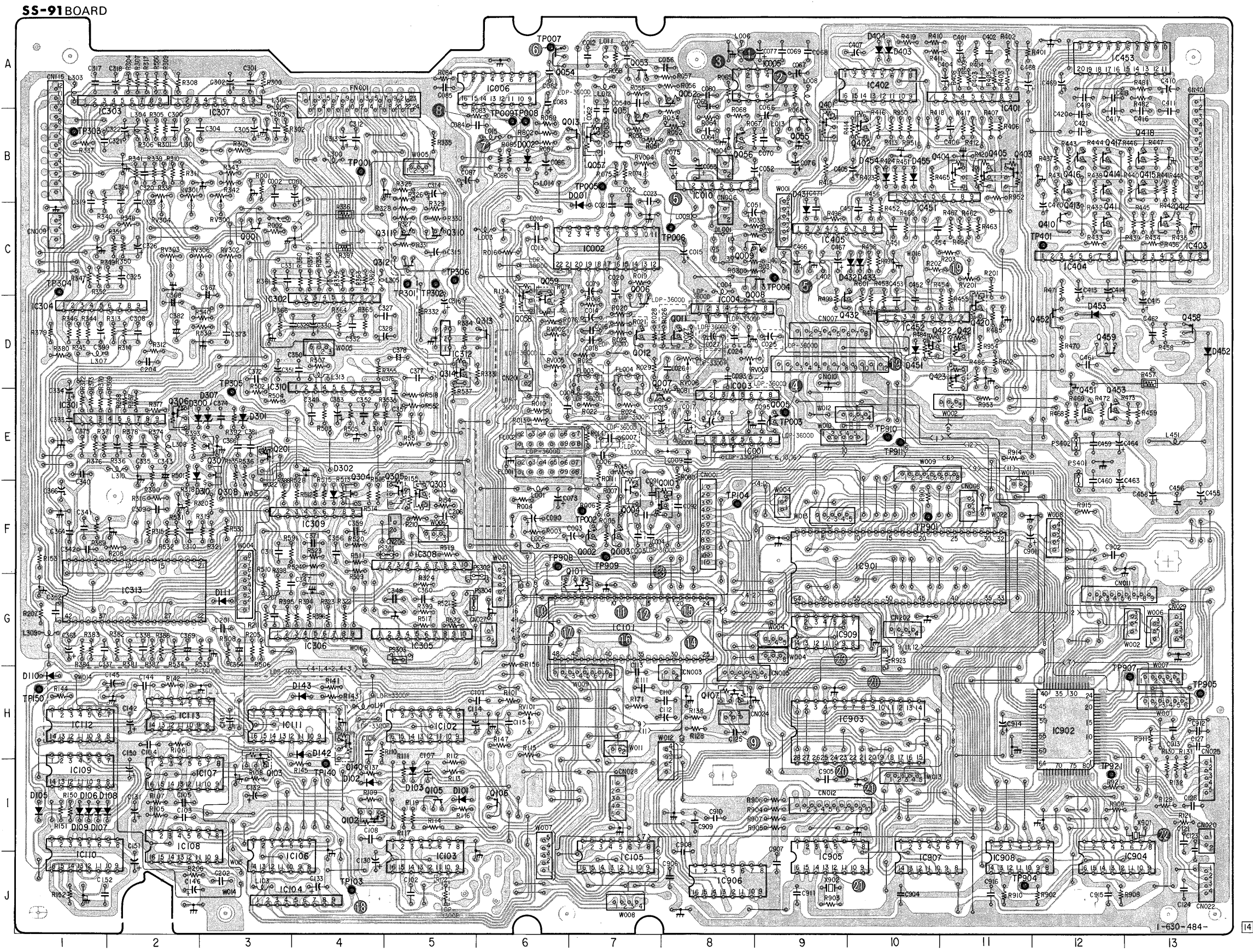
| | | | | | |
|-------|------|-------|------|-------|------|
| CN001 | I-3 | Q203 | J-9 | TP022 | E-2 |
| CN003 | K-2 | Q204 | K-8 | TP023 | I-1 |
| CN004 | C-10 | Q205 | K-6 | TP024 | I-2 |
| CN005 | F-3 | Q206 | I-4 | TP025 | K-1 |
| CN006 | A-10 | Q207 | K-3 | TP026 | E-3 |
| CN007 | H-9 | Q208 | L-3 | TP027 | C-10 |
| CN008 | I-4 | Q209 | K-3 | TP028 | B-2 |
| CN010 | I-4 | Q210 | J-3 | TP029 | A-5 |
| CN011 | I-4 | Q211 | K-3 | TP201 | J-9 |
| CN012 | J-1 | Q301 | J-9 | TP202 | L-7 |
| CN013 | H-10 | Q601 | G-2 | TP203 | L-6 |
| CN014 | E-10 | Q701 | C-9 | TP204 | J-7 |
| CN015 | G-10 | Q702 | D-8 | TP205 | I-7 |
| CN016 | H-9 | Q703 | D-8 | TP206 | L-5 |
| CN201 | J-10 | Q704 | D-8 | TP207 | K-5 |
| CN202 | J-4 | Q705 | D-8 | TP208 | K-10 |
| CN203 | K-2 | Q706 | E-9 | TP301 | I-9 |
| CN204 | J-2 | Q707 | F-8 | | |
| CN205 | I-10 | Q708 | G-8 | | |
| CN206 | L-6 | Q709 | E-9 | | |
| | | Q710 | F-9 | | |
| CT901 | L-2 | Q711 | F-9 | | |
| CT902 | L-1 | Q712 | D-8 | | |
| | | Q713 | D-7 | | |
| D101 | A-5 | Q714 | E-7 | | |
| D201 | J-9 | Q715 | E-7 | | |
| D202 | J-9 | Q716 | F-8 | | |
| D203 | J-3 | Q717 | D-9 | | |
| D204 | J-3 | Q718 | D-9 | | |
| D601 | E-3 | Q751 | C-7 | | |
| D602 | E-3 | Q752 | D-7 | | |
| D751 | F-7 | Q753 | D-6 | | |
| D752 | E-6 | Q754 | D-5 | | |
| D753 | C-5 | Q755 | D-5 | | |
| D801 | H-5 | Q756 | F-6 | | |
| D901 | K-2 | Q757 | G-6 | | |
| D902 | K-1 | Q758 | G-7 | | |
| D904 | F-1 | Q759 | G-7 | | |
| D906 | I-2 | Q760 | G-6 | | |
| D907 | G-4 | Q801 | H-8 | | |
| D908 | G-4 | Q802 | H-8 | | |
| | | Q803 | H-7 | | |
| IC101 | B-9 | Q804 | H-7 | | |
| IC102 | B-7 | Q805 | H-6 | | |
| IC103 | B-4 | Q806 | H-6 | | |
| IC104 | B-2 | Q807 | H-5 | | |
| IC105 | B-1 | Q808 | H-5 | | |
| IC201 | L-9 | Q809 | H-5 | | |
| IC202 | K-7 | Q810 | H-5 | | |
| IC203 | J-5 | Q815 | G-4 | | |
| IC204 | K-5 | Q901 | L-2 | | |
| IC205 | K-4 | Q902 | K-2 | | |
| IC601 | E-3 | Q903 | K-1 | | |
| IC602 | D-1 | Q904 | K-1 | | |
| IC603 | D-2 | Q905 | K-1 | | |
| IC604 | G-2 | Q906 | K-1 | | |
| IC605 | D-1 | Q907 | I-1 | | |
| IC701 | E-8 | Q908 | H-2 | | |
| IC702 | E-9 | Q910 | H-2 | | |
| IC703 | G-8 | Q913 | I-1 | | |
| IC704 | G-7 | Q914 | J-1 | | |
| IC751 | E-6 | Q915 | H-2 | | |
| IC752 | F-5 | | | | |
| IC753 | D-5 | RV101 | B-8 | | |
| IC801 | G-5 | RV102 | B-5 | | |
| IC901 | I-2 | RV103 | A-5 | | |
| IC902 | E-1 | RV201 | L-8 | | |
| IC903 | G-1 | RV202 | K-6 | | |
| IC904 | E-2 | RV701 | E-8 | | |
| IC906 | G-3 | RV703 | E-8 | | |
| | | RV704 | E-8 | | |
| | | RV705 | E-8 | | |
| | | RV706 | G-6 | | |
| Q101 | B-10 | TP001 | B-10 | | |
| Q102 | B-8 | TP002 | B-8 | | |
| Q103 | B-8 | TP003 | A-9 | | |
| Q104 | B-8 | TP004 | A-5 | | |
| Q105 | B-7 | TP006 | F-9 | | |
| Q106 | B-6 | TP007 | E-8 | | |
| Q107 | B-6 | TP008 | G-9 | | |
| Q108 | B-6 | TP009 | D-8 | | |
| Q109 | A-6 | TP010 | F-7 | | |
| Q110 | B-6 | TP011 | G-7 | | |
| Q111 | B-5 | TP012 | G-6 | | |
| Q112 | B-2 | TP013 | E-5 | | |
| Q113 | A-2 | TP014 | D-5 | | |
| Q114 | A-4 | TP015 | A-2 | | |
| Q115 | C-4 | TP016 | H-9 | | |
| Q116 | C-4 | TP017 | H-9 | | |
| Q117 | C-1 | TP020 | H-4 | | |
| Q118 | B-1 | TP021 | H-2 | | |
| Q119 | C-5 | | | | |
| Q201 | K-10 | | | | |
| Q202 | K-9 | | | | |

AV-06 BOARD (VIDEO 2)



SS-91 (SERVO (1) — FOCUS/TRACKING/SLIDE/SKEW SERVO—) PRINTED WIRING BOARD
 —Ref. No. SS-91 BOARD: 7,000 series—

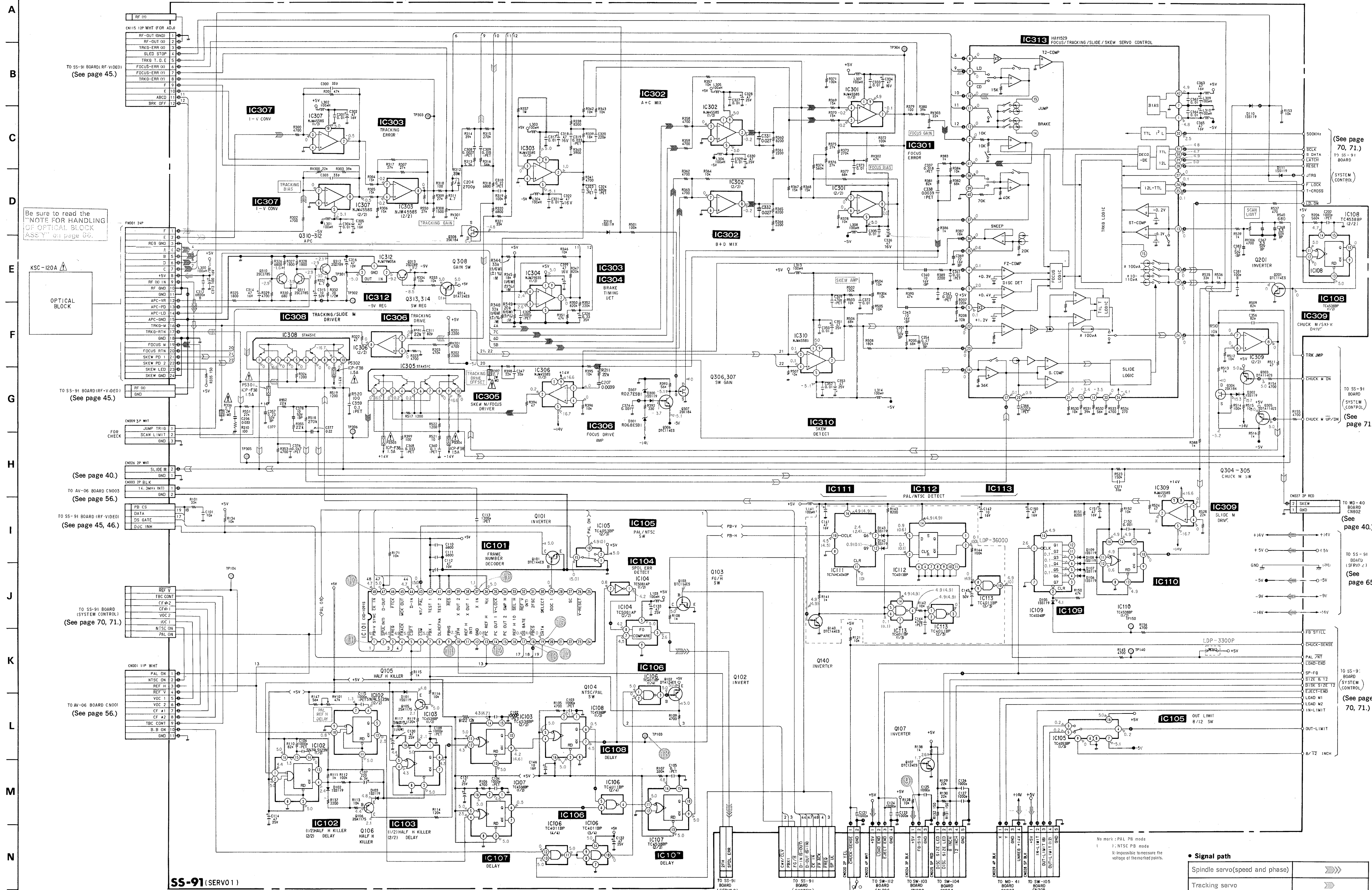
| | | | | | |
|-------|------|-------|------|-------|------|
| CN001 | F-8 | IC452 | D-10 | RV306 | C-3 |
| CN003 | H-8 | IC453 | A-13 | TP001 | B-4 |
| CN004 | B-8 | IC901 | F-10 | TP002 | E-7 |
| CN005 | H-8 | IC902 | H-12 | TP003 | E-9 |
| CN006 | C-8 | IC903 | H-10 | TP004 | C-9 |
| CN007 | D-9 | IC904 | J-13 | TP005 | B-7 |
| CN008 | F-11 | IC905 | J-9 | TP006 | C-8 |
| CN009 | C-1 | IC906 | J-8 | TP007 | A-6 |
| CN010 | D-9 | IC907 | J-10 | TP008 | B-6 |
| CN011 | G-12 | IC908 | J-11 | TP009 | B-6 |
| CN012 | I-9 | IC909 | G-9 | TP103 | J-4 |
| CN020 | I-13 | Q001 | C-3 | TP104 | F-8 |
| CN022 | J-13 | Q002 | F-7 | TP140 | I-4 |
| CN024 | H-8 | Q003 | F-7 | TP150 | H-1 |
| CN025 | I-13 | Q004 | F-7 | TP301 | C-5 |
| CN026 | F-5 | Q005 | H-8 | TP302 | C-5 |
| CN027 | G-6 | Q006 | D-7 | TP303 | B-1 |
| CN028 | I-7 | Q007 | E-8 | TP304 | C-1 |
| CN029 | G-13 | Q008 | C-9 | TP305 | D-3 |
| CN115 | A-1 | Q009 | C-9 | TP306 | C-5 |
| CN201 | D-6 | Q010 | F-8 | TP401 | C-12 |
| CN202 | G-10 | Q011 | D-8 | TP901 | F-10 |
| CN401 | B-13 | Q012 | D-7 | TP904 | J-11 |
| | | Q013 | B-7 | TP905 | H-13 |
| D001 | C-7 | Q051 | B-7 | TP907 | H-13 |
| D002 | B-6 | Q052 | A-8 | TP908 | F-6 |
| D101 | I-5 | Q053 | A-7 | TP909 | F-7 |
| D102 | I-4 | Q054 | A-6 | TP910 | E-10 |
| D103 | I-5 | Q055 | B-9 | TP911 | E-10 |
| D105 | I-1 | Q056 | B-8 | TP921 | I-12 |
| D106 | I-1 | Q057 | B-7 | | |
| D108 | I-1 | Q058 | D-6 | | |
| D109 | I-1 | Q059 | D-6 | | |
| D110 | H-1 | Q101 | G-7 | | |
| D111 | G-3 | Q102 | I-4 | | |
| D112 | H-4 | Q103 | I-3 | | |
| D143 | H-4 | Q104 | J-6 | | |
| D300 | E-3 | Q105 | I-5 | | |
| D301 | E-3 | Q106 | I-6 | | |
| D302 | F-4 | Q107 | H-8 | | |
| D307 | E-3 | Q108 | I-6 | | |
| D310 | E-3 | Q140 | H-4 | | |
| D403 | A-10 | Q201 | E-3 | | |
| D404 | A-10 | Q303 | F-5 | | |
| D431 | C-9 | Q304 | F-4 | | |
| D432 | C-10 | Q305 | F-5 | | |
| D452 | D-13 | Q306 | E-2 | | |
| D453 | D-12 | Q307 | E-3 | | |
| D454 | B-10 | Q308 | F-3 | | |
| D455 | B-10 | Q310 | C-5 | | |
| D433 | C-10 | Q311 | C-5 | | |
| D451 | D-10 | Q312 | C-5 | | |
| | | Q313 | D-6 | | |
| IC001 | E-8 | Q314 | D-5 | | |
| IC002 | C-7 | Q401 | B-9 | | |
| IC003 | E-8 | Q402 | B-10 | | |
| IC004 | D-8 | Q403 | B-11 | | |
| IC005 | A-9 | Q404 | B-11 | | |
| IC006 | A-6 | Q405 | B-11 | | |
| IC010 | B-8 | Q410 | C-12 | | |
| IC101 | G-7 | Q411 | C-12 | | |
| IC102 | H-5 | Q412 | C-13 | | |
| IC103 | J-5 | Q413 | B-12 | | |
| IC104 | J-3 | Q414 | B-12 | | |
| IC105 | J-7 | Q415 | B-13 | | |
| IC106 | J-3 | Q416 | B-12 | | |
| IC107 | I-2 | Q417 | B-12 | | |
| IC108 | I-2 | Q418 | B-13 | | |
| IC109 | I-1 | Q420 | D-11 | | |
| IC110 | J-1 | Q421 | D-11 | | |
| IC111 | H-3 | Q422 | D-11 | | |
| IC112 | H-1 | Q423 | D-11 | | |
| IC113 | H-2 | Q432 | D-10 | | |
| IC301 | E-1 | Q451 | E-12 | | |
| IC302 | D-4 | Q452 | D-12 | | |
| IC303 | A-2 | Q453 | E-12 | | |
| IC304 | D-1 | Q458 | D-13 | | |
| IC305 | G-5 | Q459 | D-12 | | |
| IC306 | G-4 | | | | |
| IC307 | A-3 | RV002 | D-6 | | |
| IC308 | F-5 | RV003 | D-8 | | |
| IC309 | F-4 | RV004 | B-7 | | |
| IC310 | E-4 | RV005 | D-6 | | |
| IC312 | D-5 | RV006 | D-8 | | |
| IC313 | G-2 | RV101 | H-6 | | |
| IC401 | A-11 | RV201 | C-11 | | |
| IC402 | A-10 | RV300 | C-3 | | |
| IC403 | C-13 | RV301 | C-2 | | |
| IC404 | C-12 | RV302 | C-3 | | |
| IC405 | C-9 | RV303 | C-2 | | |
| IC451 | B-10 | RV304 | C-2 | | |



SS-91 (SERVO 1) —FOCUS/TRACKING/SLIDE/SKEW SERVO— SCHEMATIC DIAGRAM

—Ref. No. SS-91 BOARD: 7,000 series—

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21

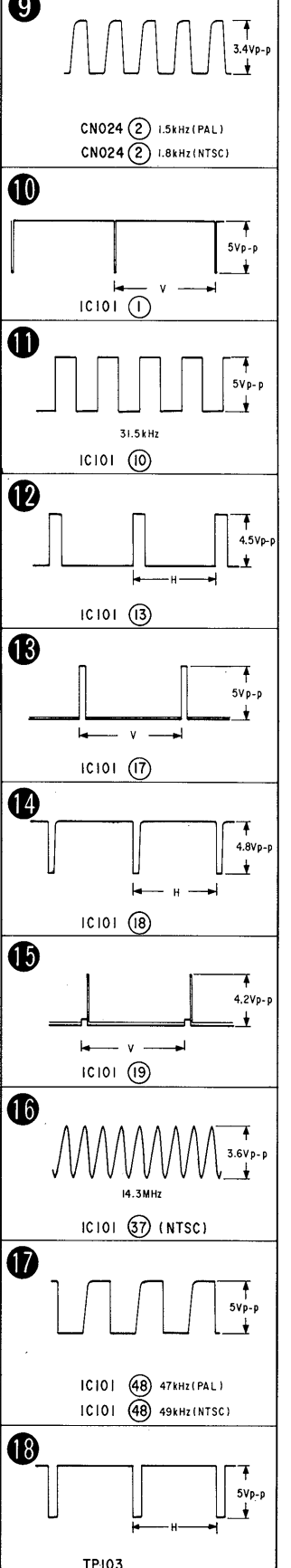


Be sure to read the "NOTE FOR HANDLING OF OPTICAL BLOCK ASS'Y" on page 66.

KSC-120A

OPTICAL BLOCK

SS-91 BOARD (SERVO 1)



TO SS-91 BOARD (RF-VIDEO) (See page 45.)

TO SS-91 BOARD (IF-V-VIDEO) (See page 45.)

TO AV-06 BOARD CN003 (See page 56.)

TO SS-91 BOARD (IF-V-VIDEO) (See page 45, 46.)

TO SS-91 BOARD (SYSTEM CONTROL) (See page 70, 71.)

TO AV-06 BOARD CN001 (See page 56.)

TO AV-06 BOARD CN001 (See page 56.)

TO AV-06 BOARD CN001 (See page 56.)

TO AV-06 BOARD CN001 (See page 56.)

TO AV-06 BOARD CN001 (See page 56.)

TO AV-06 BOARD CN001 (See page 56.)

TO AV-06 BOARD CN001 (See page 56.)

TO AV-06 BOARD CN001 (See page 56.)

TO AV-06 BOARD CN001 (See page 56.)

TO AV-06 BOARD CN001 (See page 56.)

TO AV-06 BOARD CN001 (See page 56.)

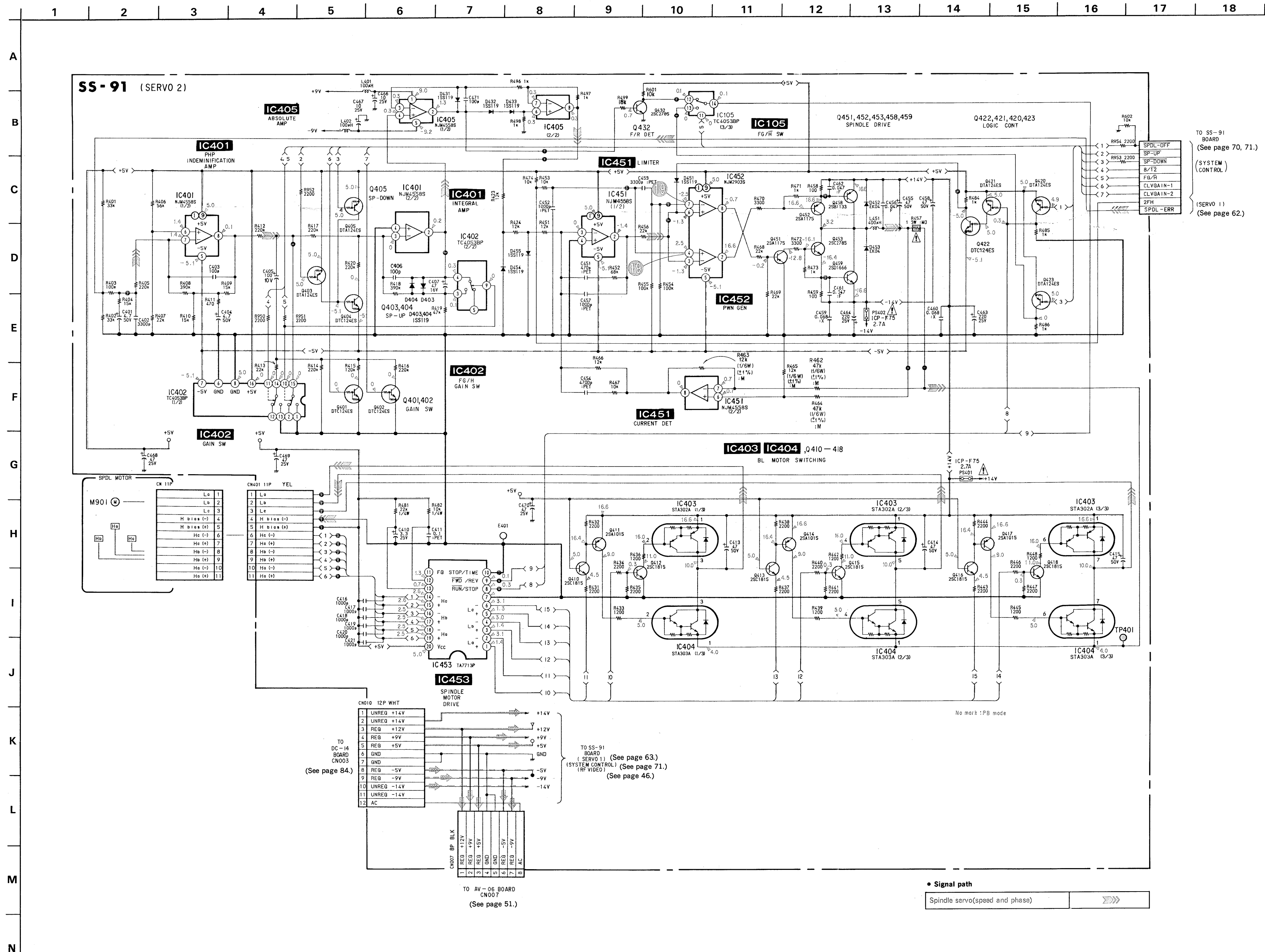
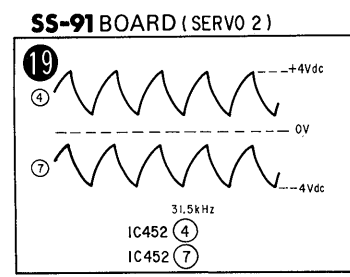
TO AV-06 BOARD CN001 (See page 56.)

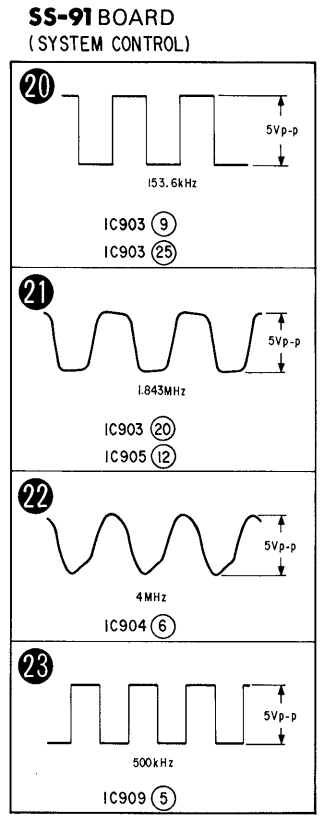
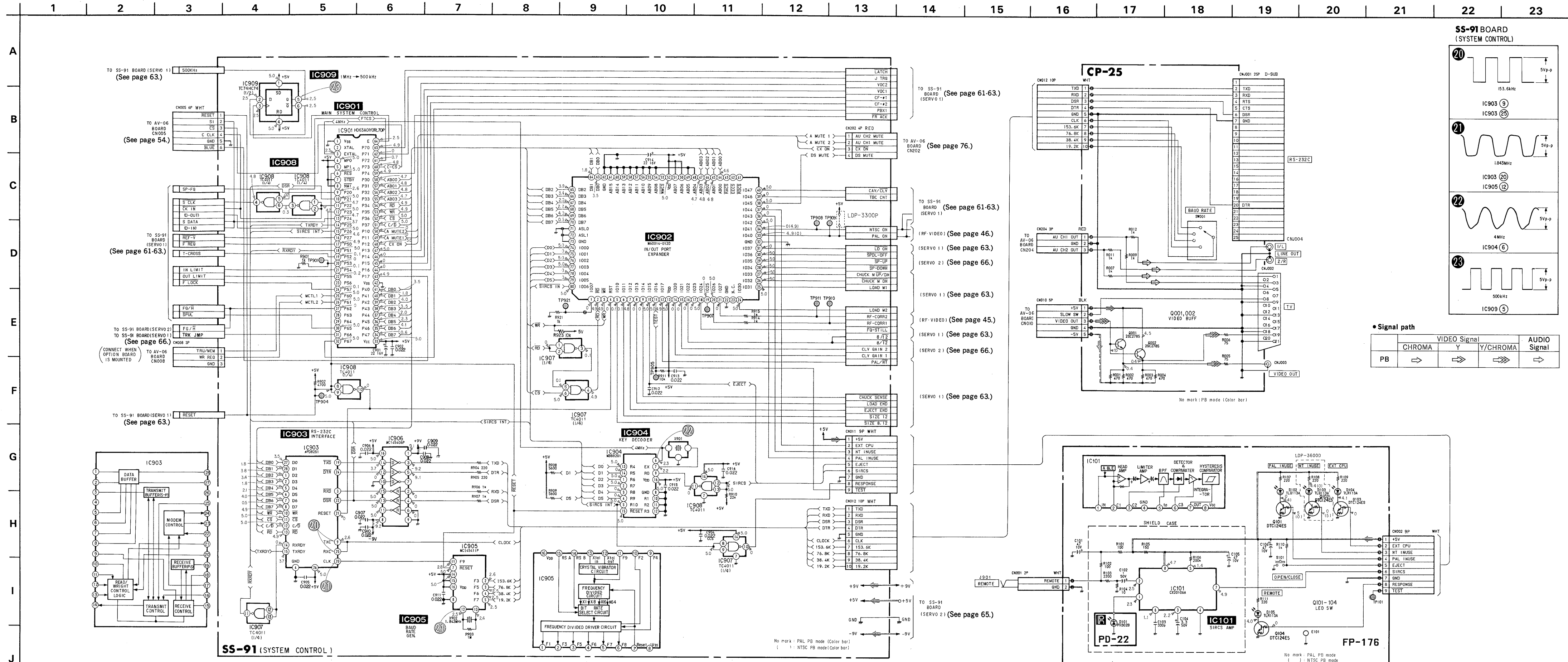
SS-91 (SERVO 1)

| | | | |
|-------------|--------------|----------|--------------|
| Signal path | VIDEO Signal | Y/CHROMA | AUDIO Signal |
| | CHROMA | Y | Y/CHROMA |
| PB | ⇒ | ⇒ | ⇒ |

| | |
|---------------------------------|--------|
| • Signal path | ⇒ |
| Spindle servo (speed and phase) | ⇒⇒ |
| Tracking servo | ⇒⇒⇒ |
| Slide servo | ⇒⇒⇒⇒ |
| Focus servo | ⇒⇒⇒⇒⇒ |
| Skew servo | ⇒⇒⇒⇒⇒⇒ |

SS-91 (SERVO 2) —SPINDLE SERVO— SCHEMATIC DIAGRAM
 —Ref. No. SS-91 BOARD: 7,000 series—



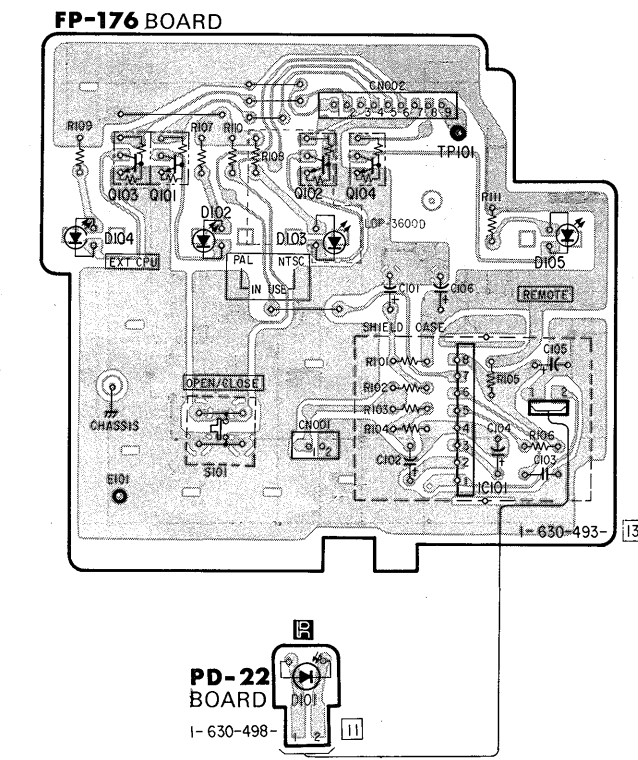
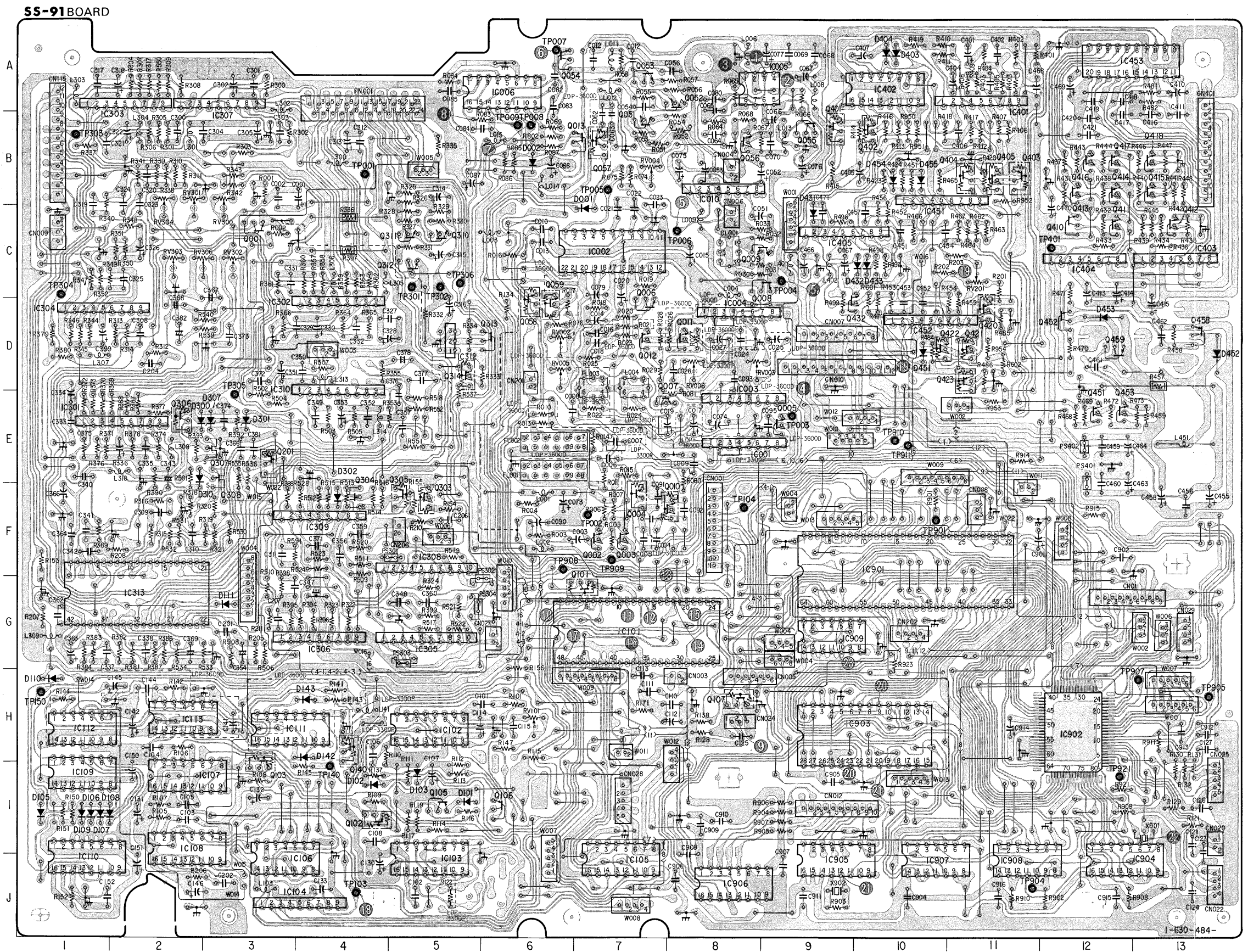
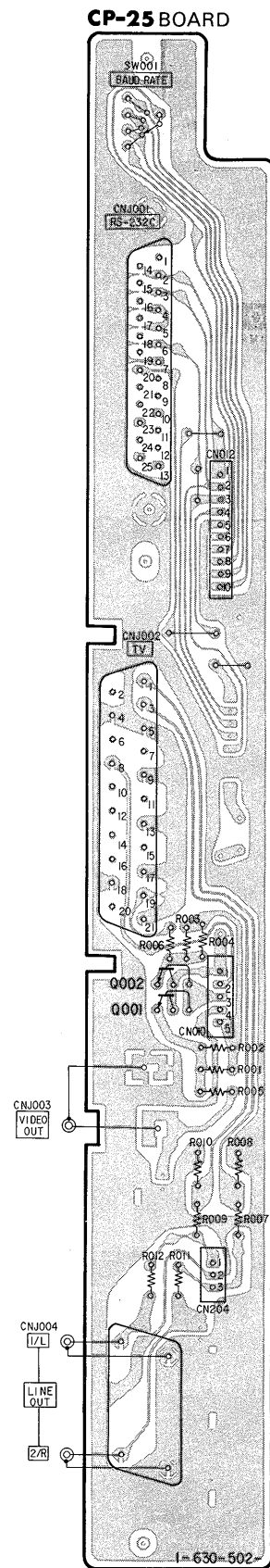


• Signal path

| PB | VIDEO Signal | | | AUDIO Signal |
|----|--------------|---|----------|--------------|
| | CHROMA | Y | Y/CHROMA | |
| → | ⇒ | ⇒ | ⇒ | ⇒ |

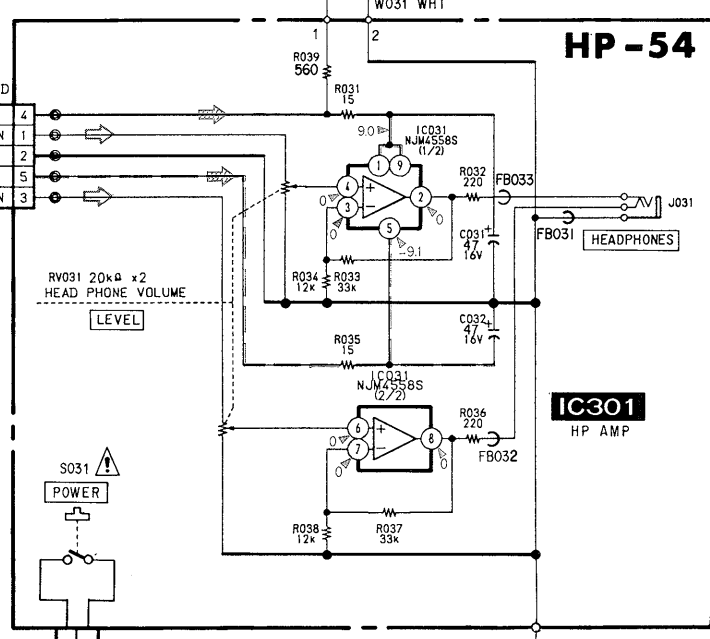
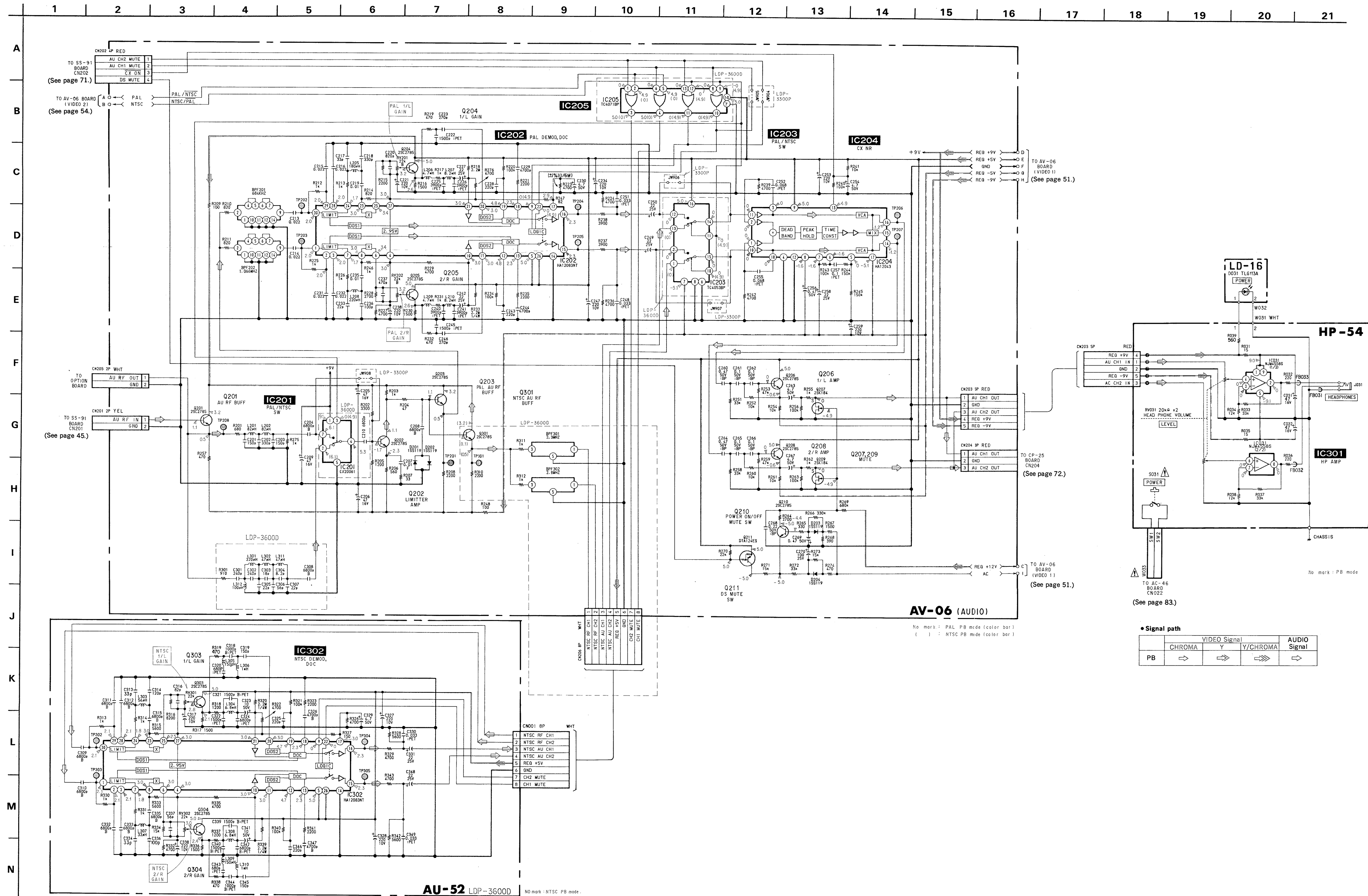
FP-176 (SIRCS AMP, MODE LED), PD-22 (REMOTE CONTROL RECEIVER), CP-25 (JACK), SS-91 (SYSTEM CONTROL) PRINTED WIRING BOARDS

—Ref. No. FP-176 and PD-22 BOARDS: 1,000 series, CP-25 BOARD: 4,000 series, SS-91 BOARD: 7,000 series—



| | | | | | |
|-------|------|-------|------|-------|------|
| CN001 | I-3 | Q203 | J-9 | TP022 | E-2 |
| CN003 | K-2 | Q204 | K-8 | TP023 | I-1 |
| CN004 | C-10 | Q205 | K-6 | TP024 | I-2 |
| CN005 | F-3 | Q206 | I-4 | TP025 | K-1 |
| CN006 | A-10 | Q207 | K-3 | TP026 | E-3 |
| CN007 | H-9 | Q208 | L-3 | TP027 | C-10 |
| CN008 | I-4 | Q209 | K-3 | TP028 | B-2 |
| CN010 | I-4 | Q210 | J-3 | TP029 | A-5 |
| CN011 | I-4 | Q211 | K-3 | TP021 | J-9 |
| CN012 | J-1 | Q301 | J-9 | TP022 | L-7 |
| CN013 | H-10 | Q601 | G-2 | TP023 | L-6 |
| CN014 | E-10 | Q701 | C-9 | TP024 | J-7 |
| CN015 | G-10 | Q702 | D-8 | TP025 | I-7 |
| CN016 | H-9 | Q703 | D-8 | TP026 | L-5 |
| CN018 | J-10 | Q704 | D-8 | TP027 | K-5 |
| CN202 | J-4 | Q705 | D-8 | TP208 | K-10 |
| CN203 | K-2 | Q706 | E-9 | TP301 | I-9 |
| CN204 | J-2 | Q707 | F-8 | | |
| CN205 | I-10 | Q708 | G-8 | | |
| CN206 | L-6 | Q709 | E-9 | | |
| | | Q710 | F-9 | | |
| CT901 | L-2 | Q711 | F-9 | | |
| CT902 | L-1 | Q712 | D-8 | | |
| | | Q713 | D-7 | | |
| D101 | A-5 | Q714 | E-7 | | |
| D201 | J-9 | Q715 | E-7 | | |
| D202 | J-9 | Q716 | F-8 | | |
| D203 | J-3 | Q717 | D-9 | | |
| D204 | J-3 | Q718 | D-9 | | |
| D601 | E-3 | Q751 | C-7 | | |
| D602 | E-3 | Q752 | D-7 | | |
| D751 | F-7 | Q753 | D-6 | | |
| D752 | E-6 | Q754 | D-5 | | |
| D753 | C-5 | Q755 | D-5 | | |
| D801 | H-5 | Q756 | F-6 | | |
| D901 | K-2 | Q757 | G-6 | | |
| D902 | K-1 | Q758 | G-7 | | |
| D904 | F-1 | Q759 | G-7 | | |
| D906 | I-2 | Q760 | G-6 | | |
| D907 | G-4 | Q801 | H-8 | | |
| D908 | G-4 | Q802 | H-8 | | |
| | | Q803 | H-7 | | |
| | | Q804 | H-7 | | |
| | | Q805 | H-6 | | |
| | | Q806 | H-6 | | |
| | | Q807 | H-5 | | |
| | | Q808 | H-5 | | |
| | | Q809 | H-5 | | |
| | | Q810 | H-5 | | |
| | | Q815 | G-4 | | |
| | | Q901 | L-2 | | |
| | | Q902 | K-2 | | |
| | | Q903 | K-1 | | |
| | | Q904 | K-1 | | |
| | | Q905 | K-1 | | |
| | | Q906 | K-1 | | |
| | | Q907 | I-1 | | |
| | | Q908 | H-2 | | |
| | | Q910 | H-2 | | |
| | | Q913 | H-1 | | |
| | | Q914 | J-1 | | |
| | | Q915 | H-2 | | |
| | | | | | |
| | | RV101 | B-8 | | |
| | | RV102 | B-5 | | |
| | | RV103 | A-5 | | |
| | | RV201 | L-8 | | |
| | | RV202 | K-6 | | |
| | | RV701 | E-8 | | |
| | | RV703 | E-8 | | |
| | | RV704 | E-8 | | |
| | | RV705 | E-8 | | |
| | | RV706 | G-6 | | |
| Q101 | B-10 | TP001 | B-10 | | |
| Q102 | B-8 | TP002 | B-8 | | |
| Q103 | B-8 | TP003 | A-9 | | |
| Q104 | B-8 | TP004 | A-5 | | |
| Q105 | B-7 | TP006 | F-9 | | |
| Q106 | B-6 | TP007 | E-8 | | |
| Q107 | B-6 | TP008 | G-9 | | |
| Q108 | B-6 | TP009 | D-8 | | |
| Q109 | A-6 | TP010 | F-7 | | |
| Q110 | B-6 | TP011 | G-7 | | |
| Q111 | B-5 | TP012 | G-6 | | |
| Q112 | B-2 | TP013 | E-5 | | |
| Q113 | A-2 | TP014 | D-5 | | |
| Q114 | A-4 | TP015 | A-2 | | |
| Q115 | C-4 | TP016 | H-9 | | |
| Q116 | C-4 | TP017 | H-9 | | |
| Q117 | C-1 | TP020 | H-4 | | |
| Q118 | B-1 | TP021 | H-2 | | |
| Q119 | C-5 | | | | |
| Q201 | K-10 | | | | |
| Q202 | K-9 | | | | |

AV-06 (AUDIO—PAL DEMOD/DOC, CX NR—), AU-52 (NTSC DEMOD/DOC), HP-54 (HEADPHONE AMP, POWER SW), LD-16 (POWER LED) SCHEMATIC DIAGRAM
 —Ref. No. AV-06 BOARD : 2,000 series, AU-52 BOARD : 3,000 series, HP-54 and LD-16 BOARDS : 5,000 series—

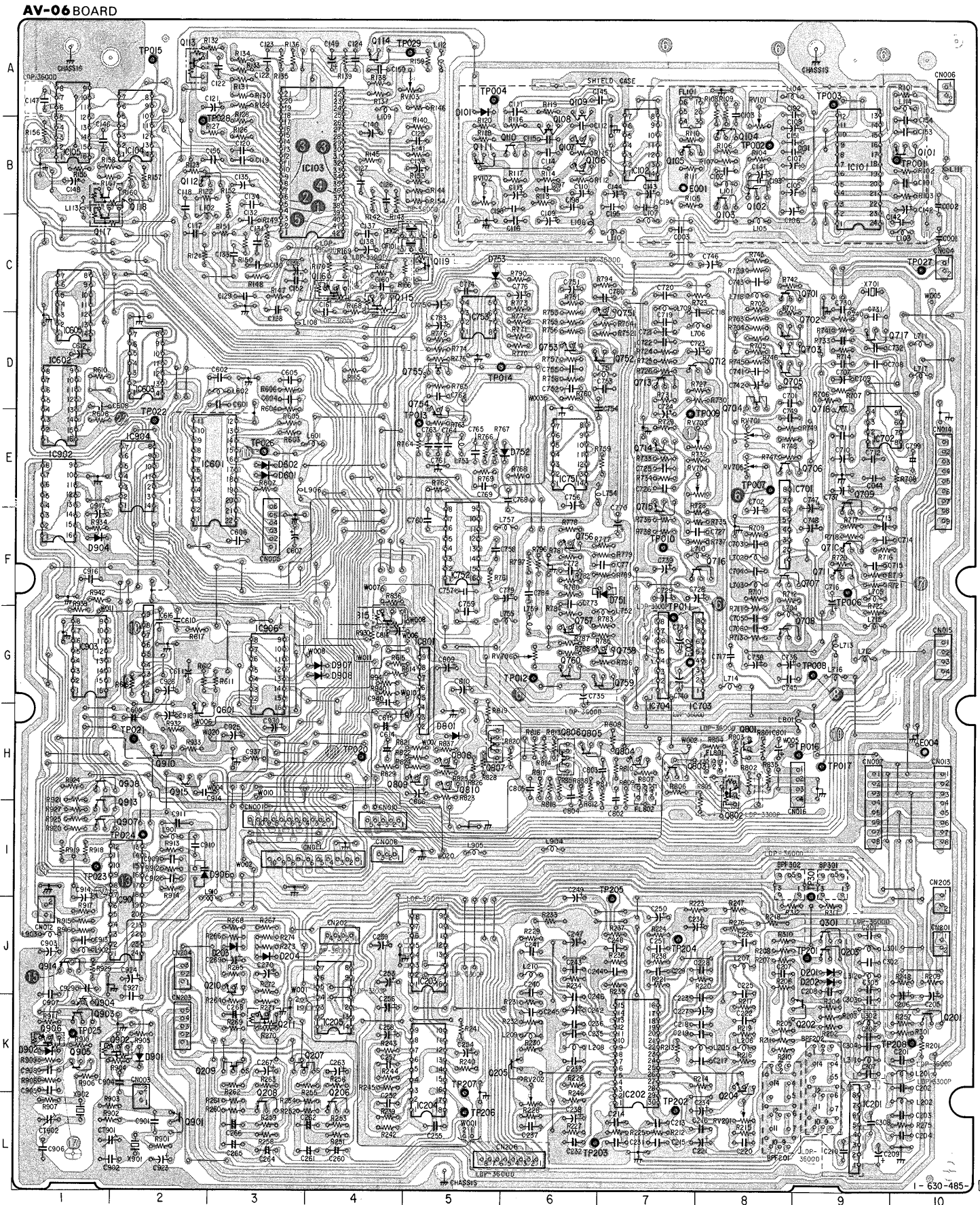


• Signal path

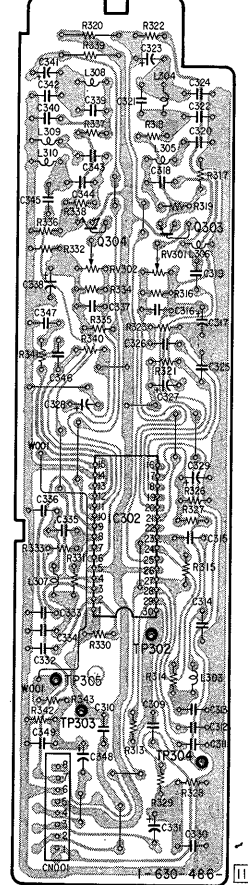
| | VIDEO Signal | | AUDIO Signal |
|----|--------------|---|--------------|
| | CHROMA | Y | |
| PB | → | → | → |

AV-06 (AUDIO-PAL DEMOD/DOC, CX NR-), AU-52 (NTSC DEMOD/DOC), HP-54 (HEADPHONE AMP, POWER SW), LD-16 (POWER LED) PRINTED WIRING BOARDS

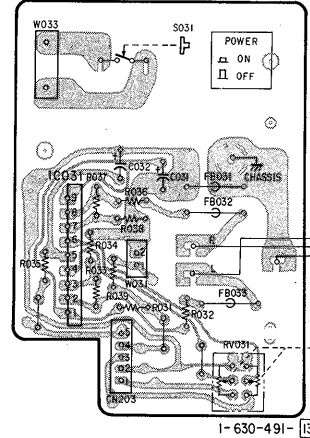
—Ref. No. AV-06 BOARD: 2,000 series, AU-52 BOARD: 3,000 series, HP-54 and LD-16 BOARDS: 5,000 series—



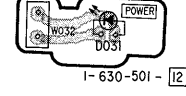
AU-52 BOARD (LDP-3600D)



HP-54 BOARD

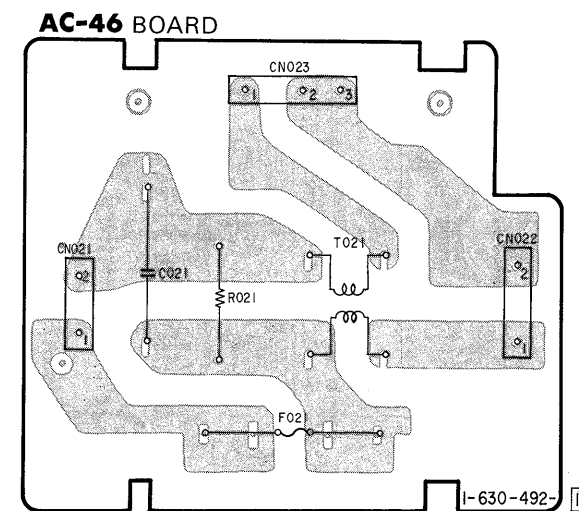
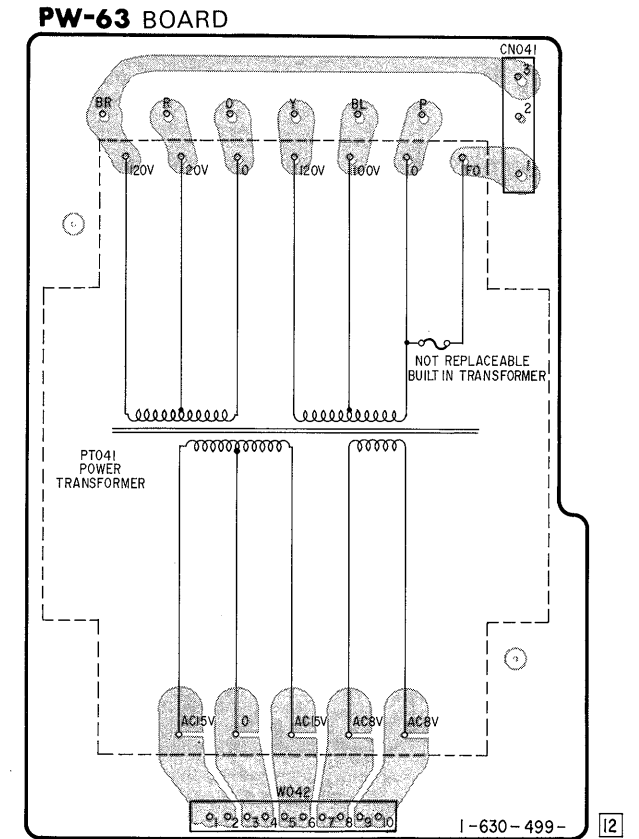
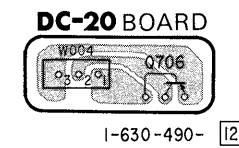
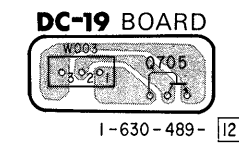
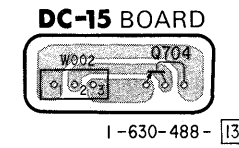
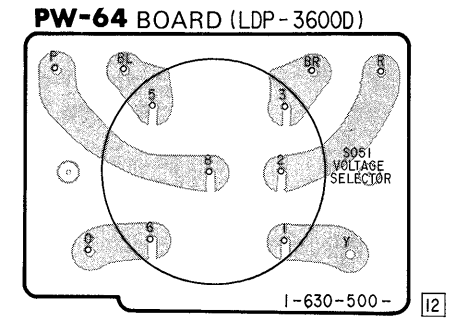
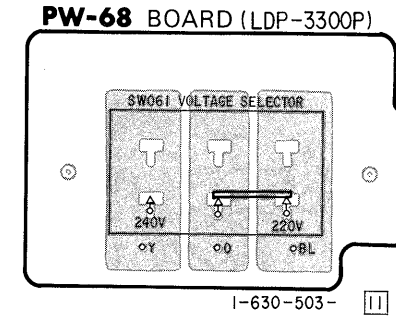
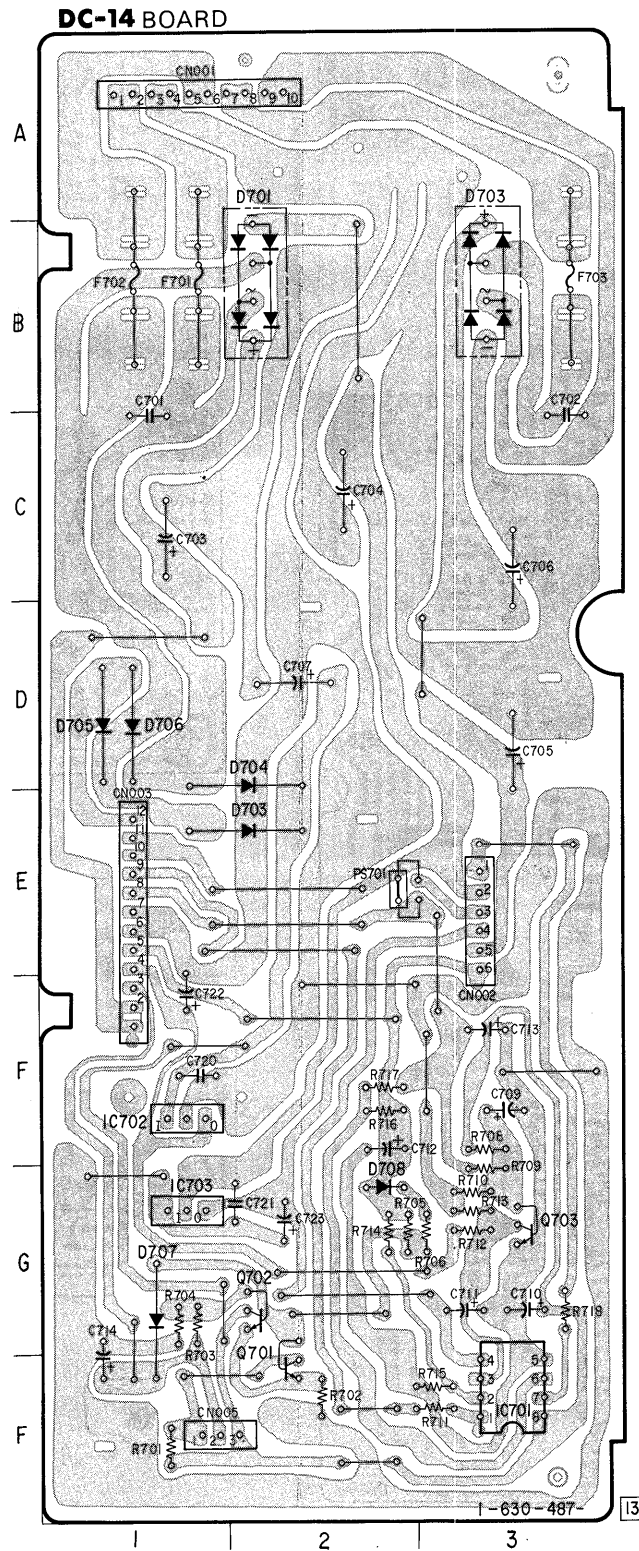


LD-16 BOARD



| | | | | | |
|-------|------|-------|------|-------|------|
| CN001 | I-3 | Q203 | J-9 | TP022 | E-2 |
| CN003 | K-2 | Q204 | K-8 | TP023 | I-1 |
| CN004 | C-10 | Q205 | K-6 | TP024 | I-2 |
| CN005 | F-3 | Q206 | I-4 | TP025 | K-1 |
| CN006 | A-10 | Q207 | K-3 | TP026 | E-3 |
| CN007 | H-9 | Q208 | L-3 | TP027 | C-10 |
| CN008 | I-4 | Q209 | K-3 | TP028 | B-2 |
| CN010 | I-4 | Q210 | J-3 | TP029 | A-5 |
| CN011 | I-4 | Q211 | K-3 | TP201 | J-9 |
| CN012 | J-1 | Q301 | J-9 | TP202 | L-7 |
| CN013 | H-10 | Q601 | G-2 | TP203 | L-6 |
| CN014 | E-10 | Q701 | C-9 | TP204 | J-7 |
| CN015 | G-10 | Q702 | D-8 | TP205 | I-7 |
| CN016 | H-9 | Q703 | D-8 | TP206 | L-5 |
| CN201 | J-10 | Q704 | D-8 | TP207 | K-5 |
| CN202 | J-4 | Q705 | D-8 | TP208 | K-10 |
| CN203 | K-2 | Q706 | E-9 | TP301 | I-9 |
| CN204 | J-2 | Q707 | F-8 | | |
| CN205 | I-10 | Q708 | G-8 | | |
| CN206 | L-6 | Q709 | E-9 | | |
| | | Q710 | F-9 | | |
| CT901 | L-2 | Q711 | F-9 | | |
| CT902 | L-1 | Q712 | D-8 | | |
| | | Q713 | D-7 | | |
| D101 | A-5 | Q714 | E-7 | | |
| D201 | J-9 | Q715 | E-7 | | |
| D202 | J-9 | Q716 | F-8 | | |
| D203 | J-3 | Q717 | D-9 | | |
| D204 | J-3 | Q718 | D-9 | | |
| D601 | E-3 | Q751 | C-7 | | |
| D602 | E-3 | Q752 | D-7 | | |
| D751 | F-7 | Q753 | D-6 | | |
| D752 | E-6 | Q754 | D-5 | | |
| D753 | C-5 | Q755 | D-5 | | |
| D801 | H-5 | Q756 | F-6 | | |
| D901 | K-2 | Q757 | G-6 | | |
| D902 | K-1 | Q758 | G-7 | | |
| D904 | F-1 | Q759 | G-7 | | |
| D906 | I-2 | Q760 | G-6 | | |
| D907 | G-4 | Q801 | H-8 | | |
| D908 | G-4 | Q802 | H-8 | | |
| | | Q803 | H-7 | | |
| | | Q804 | H-7 | | |
| | | Q805 | H-6 | | |
| | | Q806 | H-6 | | |
| | | Q807 | H-5 | | |
| | | Q808 | H-5 | | |
| | | Q809 | H-5 | | |
| | | Q810 | H-5 | | |
| | | Q815 | G-4 | | |
| | | Q901 | L-2 | | |
| | | Q902 | K-2 | | |
| | | Q903 | K-1 | | |
| | | Q904 | K-1 | | |
| | | Q905 | K-1 | | |
| | | Q906 | K-1 | | |
| | | Q907 | I-1 | | |
| | | Q908 | H-2 | | |
| | | Q910 | H-2 | | |
| | | Q913 | I-1 | | |
| | | Q914 | J-1 | | |
| | | Q915 | H-2 | | |
| | | RV101 | B-8 | | |
| | | RV102 | B-5 | | |
| | | RV103 | A-5 | | |
| | | RV201 | L-8 | | |
| | | RV202 | K-6 | | |
| | | RV701 | E-8 | | |
| | | RV703 | E-8 | | |
| | | RV704 | E-8 | | |
| | | RV705 | E-8 | | |
| | | RV706 | G-6 | | |
| Q101 | B-10 | TP001 | B-10 | | |
| Q102 | B-8 | TP002 | B-8 | | |
| Q103 | B-8 | TP003 | A-9 | | |
| Q104 | B-8 | TP004 | A-5 | | |
| Q105 | B-7 | TP006 | F-9 | | |
| Q106 | B-6 | TP007 | E-8 | | |
| Q107 | B-6 | TP008 | G-9 | | |
| Q108 | B-6 | TP009 | D-8 | | |
| Q109 | A-6 | TP010 | F-7 | | |
| Q110 | B-6 | TP011 | G-7 | | |
| Q111 | B-5 | TP012 | G-6 | | |
| Q112 | B-2 | TP013 | E-5 | | |
| Q113 | A-2 | TP014 | D-5 | | |
| Q114 | A-4 | TP015 | A-2 | | |
| Q115 | C-4 | TP016 | H-9 | | |
| Q116 | C-4 | TP017 | H-9 | | |
| Q117 | C-1 | TP020 | H-4 | | |
| Q118 | B-1 | TP021 | H-2 | | |
| Q119 | C-5 | | | | |
| Q201 | K-10 | | | | |
| Q202 | K-9 | | | | |

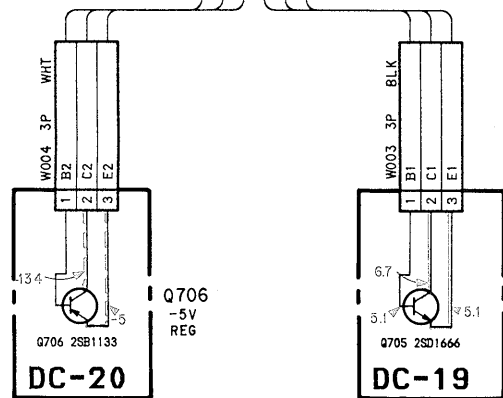
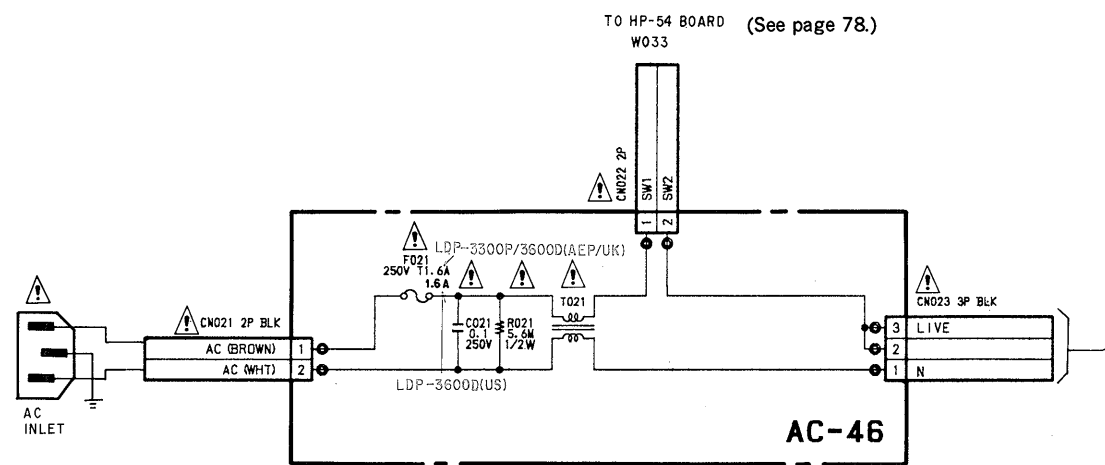
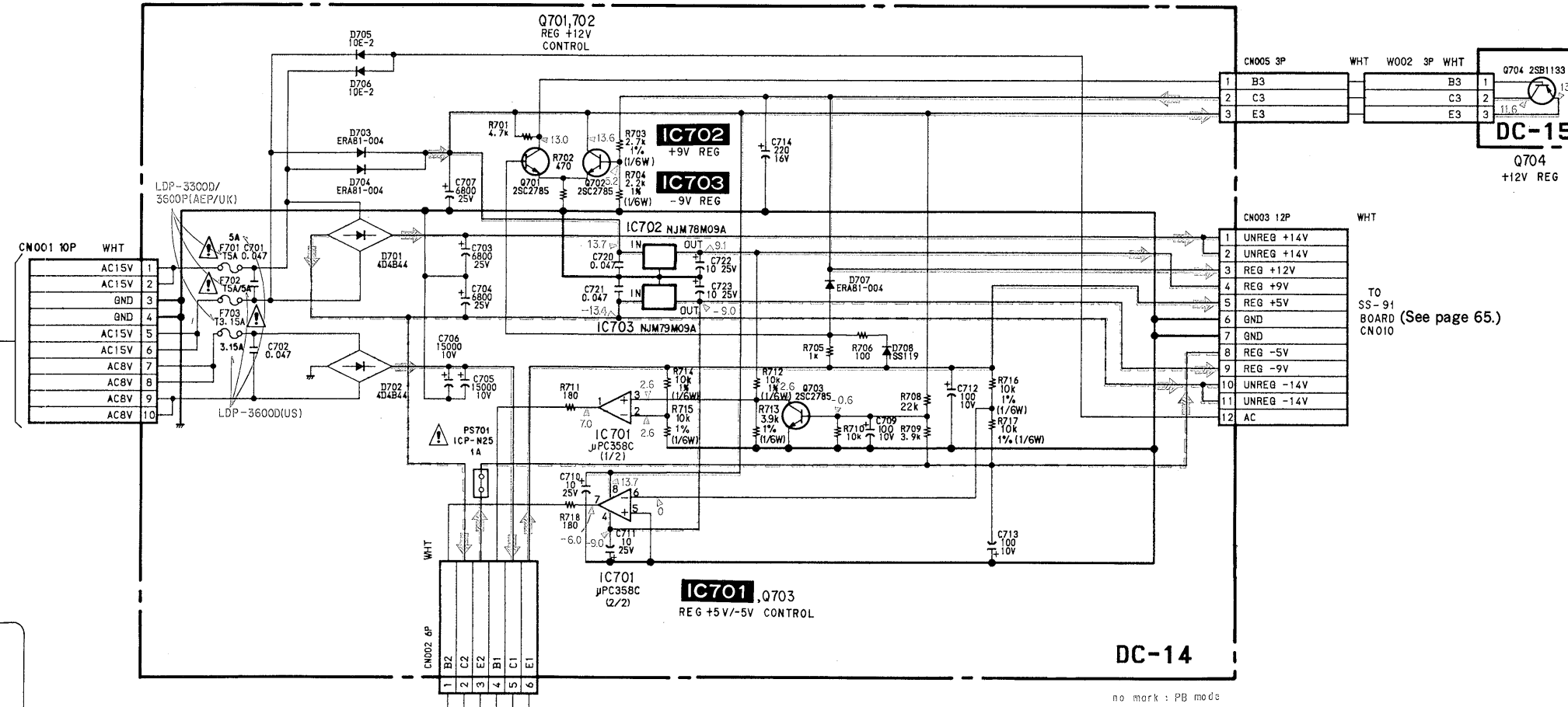
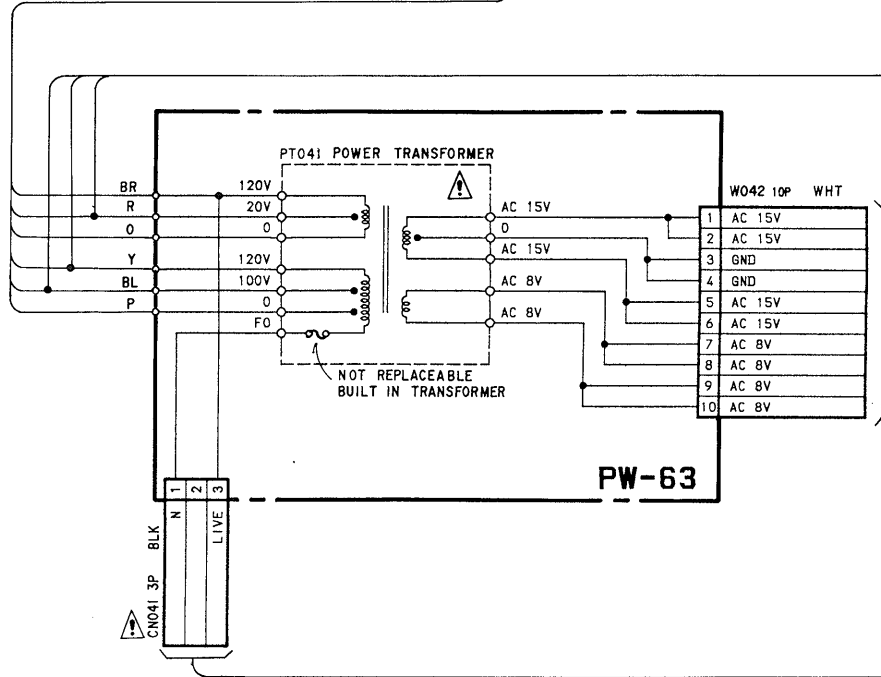
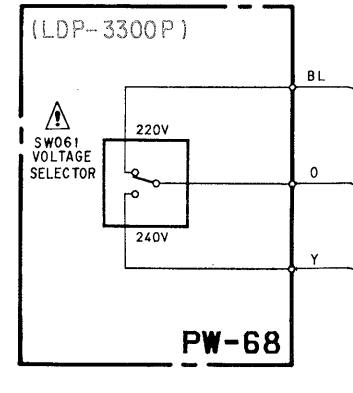
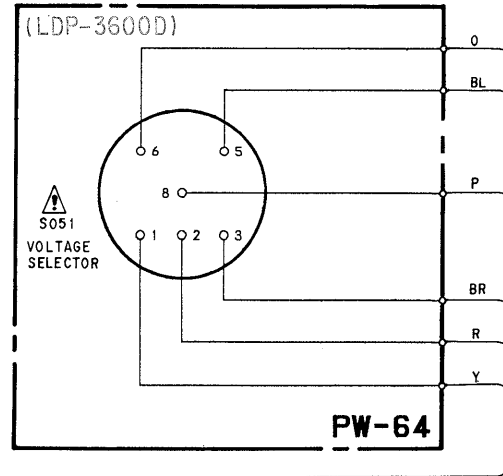
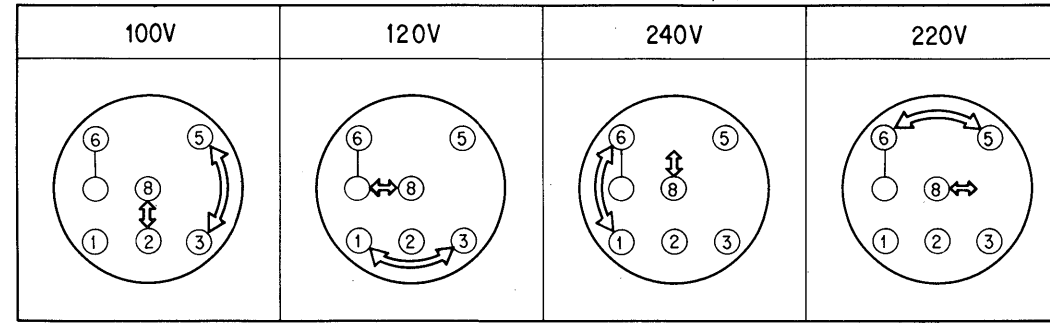
AC-46 (AC IN, LFT), DC-14, DC-15, DC-19 AND DC-20 (RECT, REG), PW-63 (POWER TRANSFORMER), PW-64 AND PW-68 (VOLTAGE SELECTOR) PRINTED WIRING BOARDS
 —Ref. No. AC-46, DC-14, DC-15, DC-19 and DC-20 BOARDS : 1,000 series, PW-63, PW-64 and PW-68 BOARDS : 6,000 series—



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23

A
B
C
D
E
F
G
H
I
J

PW-64 BOARD S051 VOLTAGE SELECTOR CONNECTION (LDP-3600D)



NOTE FOR HANDLING OF OPTICAL BLOCK ASS'Y

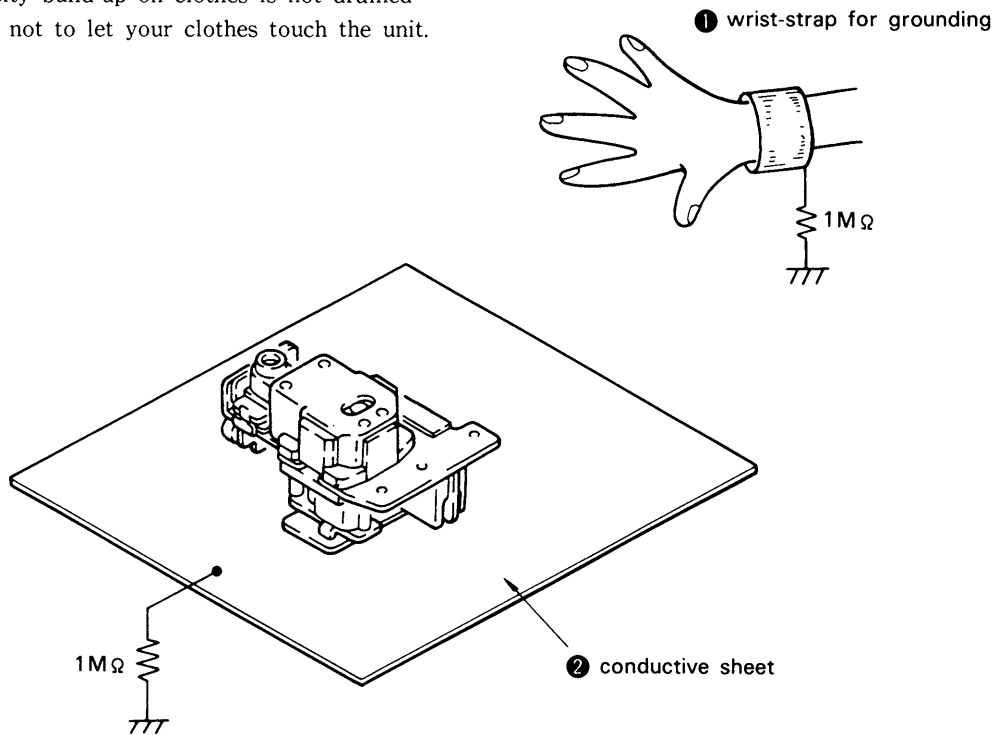
- Sometimes electrostatic breakdown of the laser diode in the optical block ass'y is caused by potential difference between the electrostatic charge of the block and the one of clothes or a human body.
Be careful to the following notes for preventing the diode from the breakdown.

Also, these notes are enclosed in repair part package.

1. Grounding for the human body
Be sure to put on a wrist-strap for grounding (with impedance lower than $10^8 \Omega$) whose other end is grounded. The strap works to drain away the static electricity build-up on the human body.
2. Grounding for the work table
Be sure to lay on the table a conductive sheet (with impedance lower than $10^9 \Omega$) such as a sheet of copper, which is grounded.
3. As static electricity build-up on clothes is not drained away, be careful not to let your clothes touch the unit.

The following manners are recommended as reference.

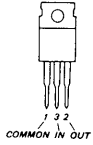
1. Cover a work table with a conductive sheet (black sheet used for the part package).
2. Place a set on the sheet so that the chassis of the set contacts the sheet (for making the potential of the set equal to the one of the sheet).
3. Put hands on the conductive sheet (for making the potential of a human body equal to the one of the sheet).
4. Take out the optical block ass'y from its bag.
5. Work should be done on the conductive sheet with care that clothes do not touch the optical block ass'y.



- Be careful not to put dust or fingerprints on the object lens and skew lens while handling.

4-2. SEMICONDUCTORS

**NJM78M09A
NJM79M09A**



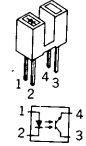
**2SA1015-GR
2SC1815-GR**



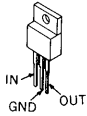
2SK184-GR



GP1S54



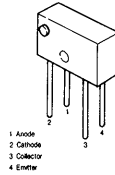
NJM79M05A



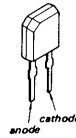
**2SA1206-K1
2SC2901-K**



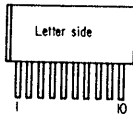
EE-SF5-B



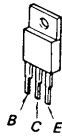
PH302D



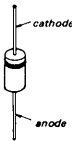
STA-451C



**2SB1133-S
2SD1666-R**



**EK04
ERA81-005
10E-2**



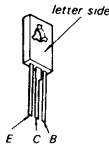
PY5504S-1



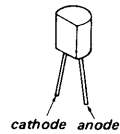
**DTA114ES
DTA124ES
DTC114ES
DTC124ES
DTC144ES**



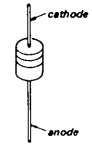
2SC1583-G



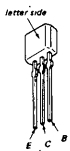
FC52M-5



**RD2.7ESB1
RD6.8ESB1
1SS119**



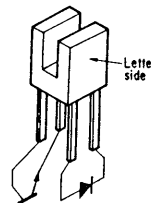
**2SA1175-HFE
2SC2785-HFE**



2SD789-4Z



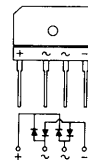
GP1S17



TLR113A



4D4B44



SECTION 5 EXPLODED VIEWS

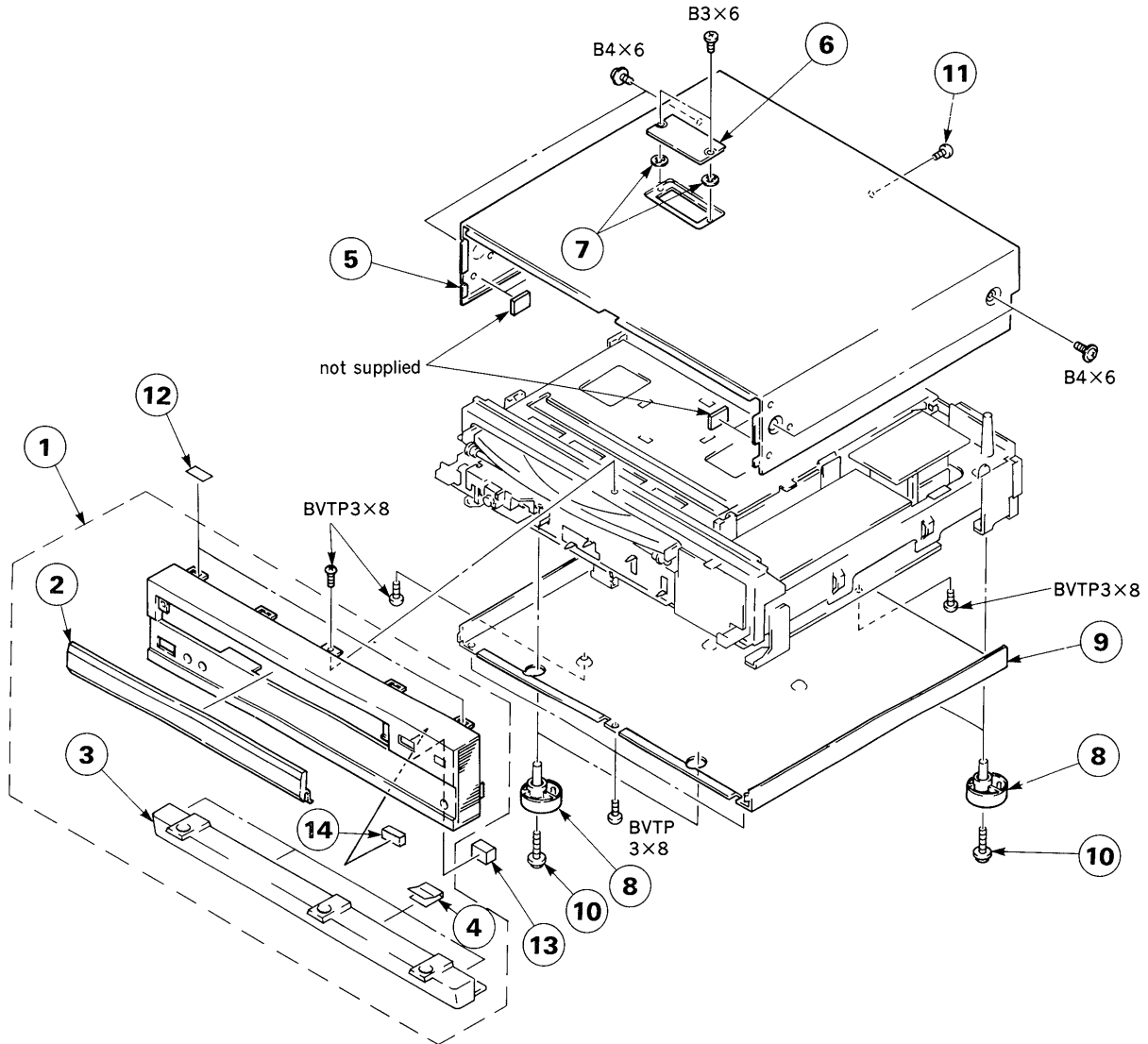
NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked “★” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- Due to standardization, parts with part number suffix -XX and -X may be different from the parts specified in the components used on the set.
- Color Indication of Appearance Parts
Example:
(RED) ... KNOB, BALANCE (WHITE)
↑ Cabinet's Color ↑ Parts' Color

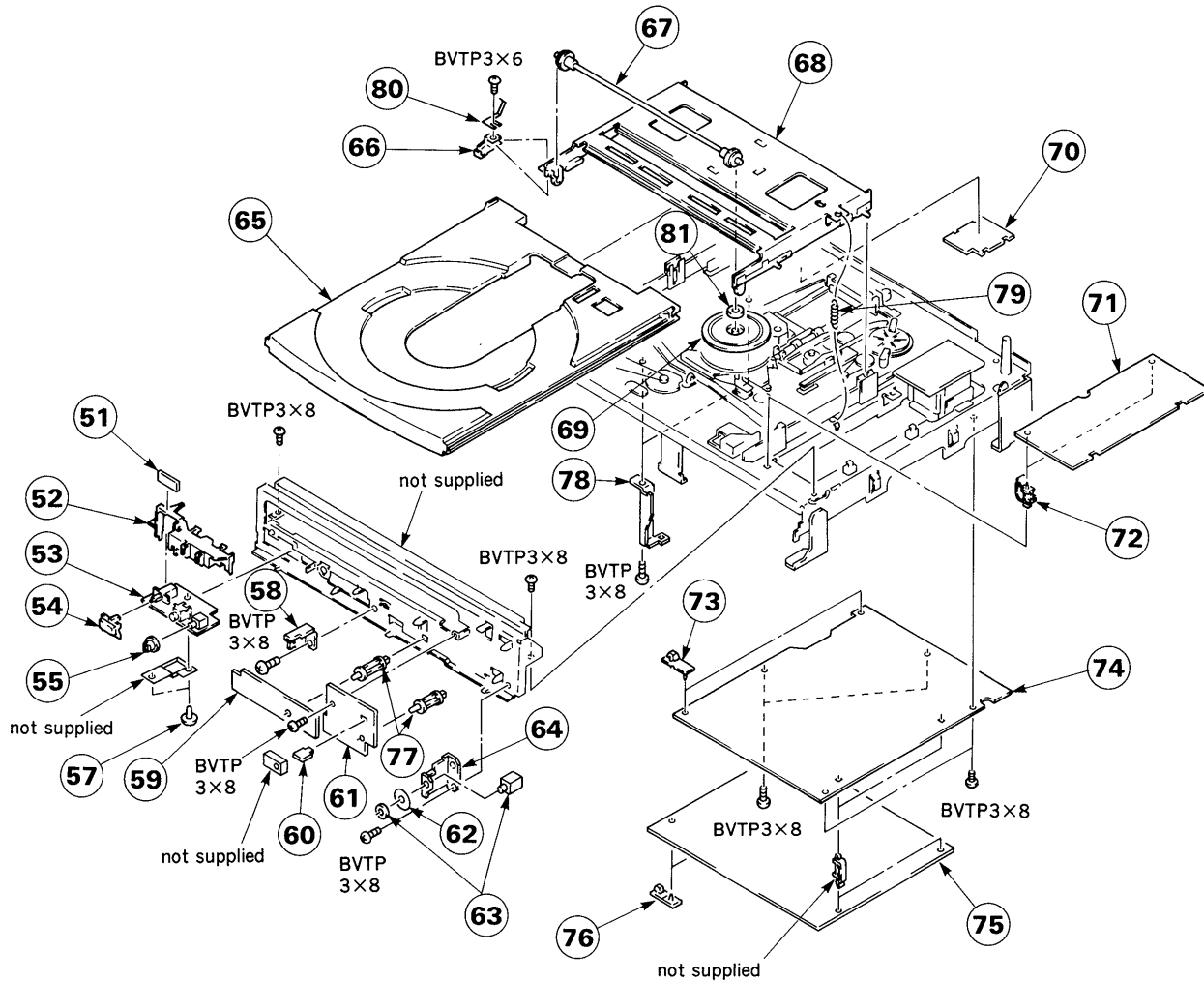
The components identified by mark or dotted line with mark are critical for safety. Replace only with part number specified.

5-1. CABINET ASSEMBLY



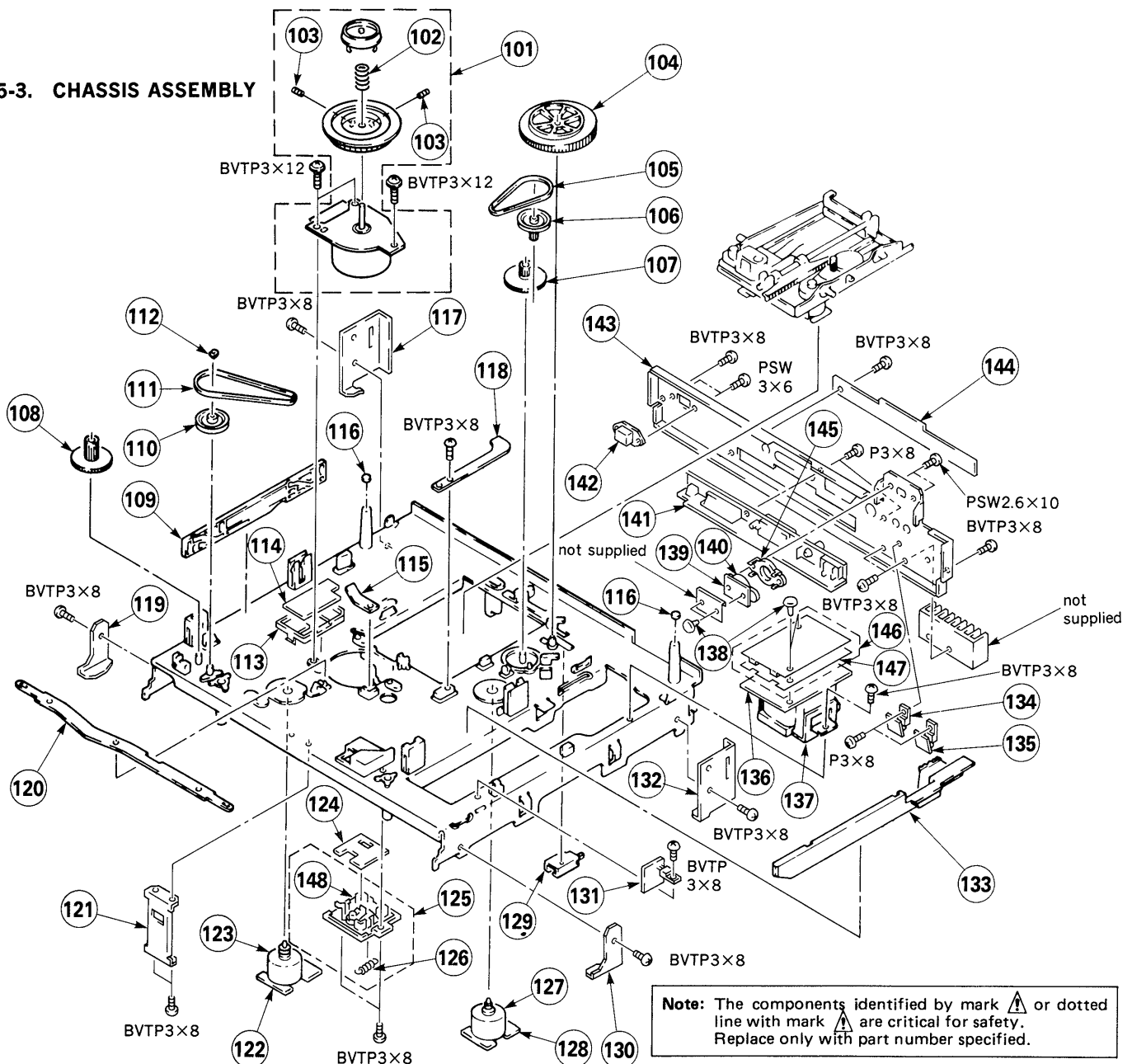
| No. | Part No. | Description | Remark | No. | Part No. | Description | Remark |
|-----|---------------|----------------------------------|---------|-----|---------------|--------------------|--------|
| 1 | A-6408-146-A | PANEL (D) ASSY, FRONT(LDP-3600D) | 2-4, 14 | 8 | 3-728-429-01 | FOOT | |
| | A-6408-148-F | PANEL (P) ASSY, FRONT(LDP-3300P) | 2-4, 14 | 9 | X-3688-270-1 | PLATE ASSY, BOTTOM | |
| 2 | X-3688-272-1 | DOOR ASSY, FRONT | | 10 | 3-566-590-00 | SCREW, + PTP WH | |
| 3 | *3-728-439-01 | PANEL, UNDER | | 11 | 3-703-685-21 | SCREW (+BV 3X8) | |
| 4 | *3-728-420-01 | HOLDER, PANEL | | 12 | *9-911-840-XX | CUSHION | |
| 5 | 3-698-679-11 | CASE, UPPER | | 13 | *4-911-608-01 | CUSHION, RUBBER | |
| 6 | 3-694-986-02 | COVER, WINDOW | | 14 | 3-715-924-31 | BUTTON, EJECT | |
| 7 | 3-669-596-00 | WASHER (2.3), STOPPER | | | | | |

5-2. TRAY ASSEMBLY



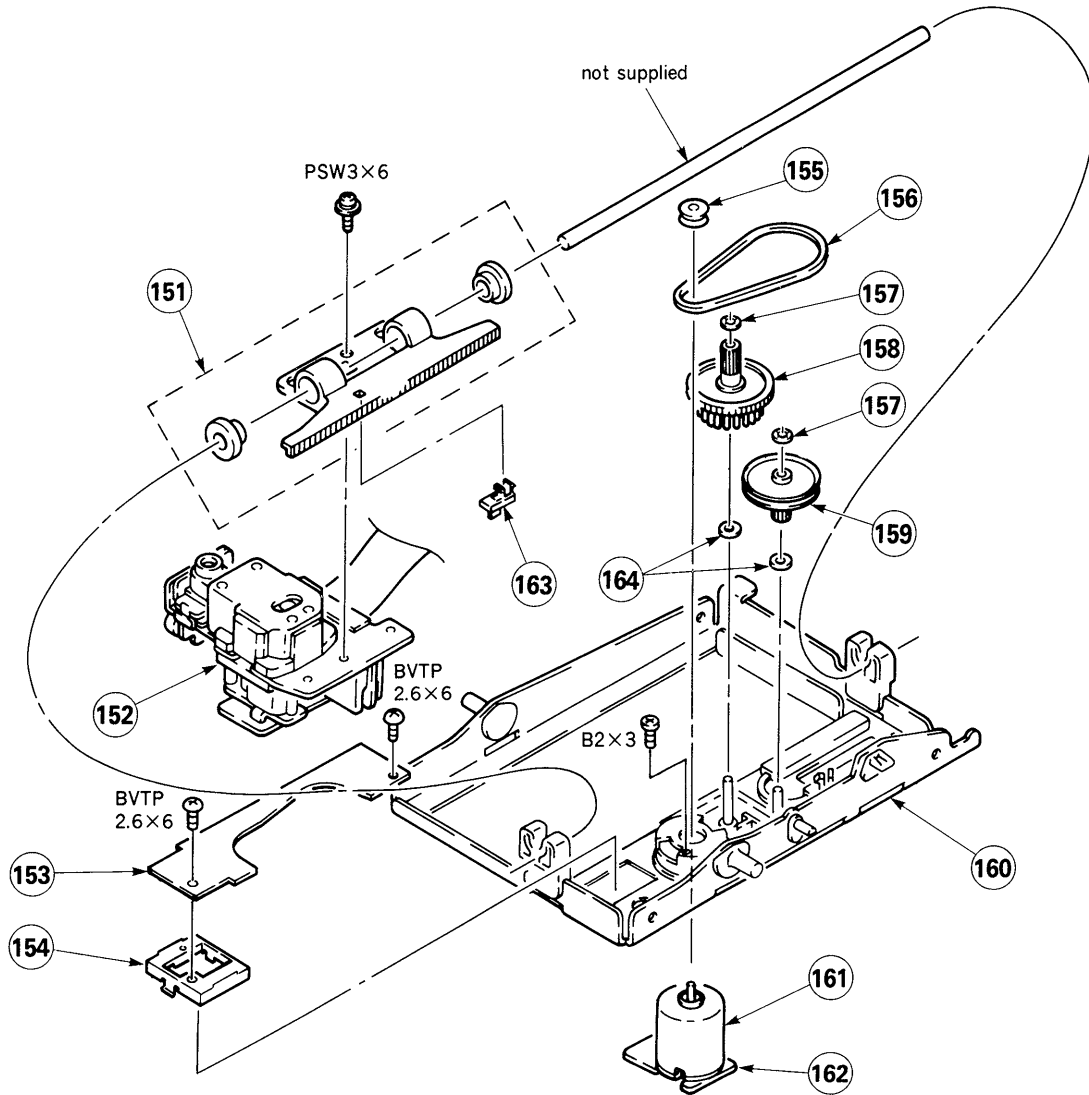
| No. | Part No. | Description | Remark | No. | Part No. | Description | Remark |
|-----|---------------|-------------------------------------|--------|-----|---------------|---|--------|
| 51 | *1-630-501-11 | LD-16 BOARD | | 69 | *3-698-661-01 | CHUCK | |
| 52 | 3-715-933-01 | HOLDER, HP | | 70 | *1-630-492-11 | AC-46 BOARD | |
| 53 | *1-630-491-11 | HP-54 BOARD | | 71 | *A-6421-312-A | DC-14 BOARD, COMPLETE | |
| 54 | 3-713-338-41 | BUTTON, POWER | | | | (LDP-3300P/3600D: AEP/UK) | |
| 55 | 3-713-333-21 | KNOB, HP | | | *A-6421-433-A | DC-14 BOARD, COMPLETE (LDP-3600D: US) | |
| 57 | 3-531-576-11 | RIVET | | 72 | *3-682-047-01 | HOLDER (A), PC BOARD | |
| 58 | *3-728-428-01 | HOLDER, AU PC BOARD | | 73 | *3-701-832-00 | HINGE, CIRCUIT BOARD | |
| 59 | *A-6421-317-A | AU-52 BOARD, COMPLETE (LDP-3600D) | | 74 | *A-6421-314-A | SS-91 BOARD, COMPLETE (LDP-3600D: AEP/UK) | |
| 60 | *1-630-498-11 | PD-22 BOARD | | | *A-6421-324-A | SS-91 BOARD, COMPLETE (LDP-3300P) | |
| 61 | *1-630-493-11 | FP-176 BOARD | | | *A-6421-434-A | SS-91 BOARD, COMPLETE (LDP-3600D: US) | |
| 62 | *3-667-512-11 | SPACER, REMOTE JACK | | 75 | *A-6421-315-A | AV-06 BOARD, COMPLETE (LDP-3600D: AEP/UK) | |
| 63 | 1-507-195-21 | SPECIAL, REMOTE CONTROL JACK (J901) | | | *A-6421-320-A | AV-06 BOARD, COMPLETE (LDP-3300P) | |
| 64 | *3-728-427-01 | HOLDER, REMOTE CONTROL | | | *A-6421-435-A | AV-06 BOARD, COMPLETE (LDP-3600D: US) | |
| 65 | X-3688-273-1 | TRAY ASSY | | 76 | *3-710-565-01 | HINGE, PC BOARD | |
| 66 | *3-715-927-02 | ARM, DOOR SWITCHING | | 77 | *3-680-767-00 | SUPPORT, PC | |
| 67 | X-3713-202-1 | GEAR ASSY, PHASE | | 78 | *3-728-421-01 | STAY, PC BOARD | |
| 68 | *3-713-256-11 | ARM (OUTSERT), CHUCK | | 79 | 3-698-694-01 | SPRING, TENSION | |
| | | | | 80 | 3-715-905-01 | SPRING | |
| | | | | 81 | 3-698-693-01 | BEARING (1480ZZ), BALL | |



5-3. CHASSIS ASSEMBLY




| No. | Part No. | Description | Remark | No. | Part No. | Description | Remark |
|-----|---------------|---------------------------------|----------|-----|-----------------|--|---------------------------|
| 101 | A-6491-037-A | MOTOR ASSY, SPINDLE (M901) | 102, 103 | 128 | *1-620-236-11 | MD-40 BOARD | |
| 102 | 3-713-295-01 | SPRING, COMPRESSION | | 129 | 1-570-810-11 | SWITCH, PUSH (1 KEY) (CHUCK) (S301) | |
| 103 | 3-715-914-01 | SCREW (WP) (M2.6X6) | | 130 | *3-728-425-01 | HOLDER (FR), SIDE | |
| 104 | 3-713-286-11 | CAM, DRIVING | | 131 | *1-630-488-11 | DC-15 BOARD | |
| 105 | 3-307-366-00 | BELT, FAST FORWARD | | 132 | *3-728-423-01 | HOLDER (RR), SIDE | |
| 106 | 3-713-317-01 | PULLEY | | 133 | 3-713-281-01 | RACK (RIGHT) | |
| 107 | 3-713-287-11 | GEAR (C) | | 134 | *1-630-489-11 | DC-19 BOARD | |
| 108 | 3-713-290-01 | GEAR (A), DRIVING | | 135 | *1-630-490-11 | DC-20 BOARD | |
| 109 | 3-713-280-03 | RACK (LEFT) | | 136 | *1-630-499-11 | PW-63 BOARD | |
| 110 | 3-713-289-01 | PULLEY (A) | | 137 | ⚠, 1-449-667-11 | TRANSFORMER, POWER (PT041) | |
| 111 | 3-657-035-XX | BELT, RM | | 138 | 3-531-576-11 | RIVET | |
| 112 | 4-910-418-01 | BUSHING (DIA. 4) | | 139 | *1-630-500-11 | PW-64 BOARD (LDP-3600D) | |
| 113 | *3-728-446-01 | HOLDER, SW PC BOARD | | | *1-630-503-11 | PW-68 BOARD (LDP-3300P) | |
| 114 | *1-630-495-11 | SW-104 BOARD | | 140 | ⚠, 1-554-933-11 | SELECTOR, VOLTAGE (S051) (LDP-3600D) | |
| 115 | *1-630-494-11 | SW-103 BOARD | | | ⚠, 1-570-173-11 | SWITCH, VOLTAGE CHANGE (SW061) (LDP-3300P) | |
| 116 | 3-713-326-01 | STOPPER | | 141 | *1-630-502-11 | CP-25 BOARD | |
| 117 | *3-728-424-01 | HOLDER (RL), SIDE | | 142 | ⚠, 1-560-222-11 | INLET 3P | |
| 118 | 3-713-327-01 | SPRING | | 143 | *3-728-440-01 | PANEL, REAR (LDP-3600D: AEP/UK) | |
| 119 | *3-728-426-01 | HOLDER (FL), SIDE | | | *3-728-440-04 | PANEL, REAR (LDP-3600D: US) | |
| 120 | 3-713-282-01 | PLATE, PHASE | | | *3-728-440-14 | PANEL, REAR (LDP-3300P) | |
| 121 | *3-728-422-01 | HOLDER, CENTER | | 144 | *3-728-418-01 | MASK, REAR | |
| 122 | *1-620-237-11 | MD-41 BOARD | | 145 | *3-728-417-01 | HOLDER (LDP-3600D) | |
| 123 | X-3713-208-1 | MOTOR ASSY, LD (LOADING) (M903) | | 146 | *X-3688-275-1 | SHEET ASSY, INSULATING | 147 |
| 124 | *1-630-497-11 | SW-112 BOARD | | 147 | *X-3688-275-1 | SHEET (A), INSULATING | |
| 125 | X-3688-274-4 | SWITCH SUB ASSY, O/C | 126, 148 | 148 | 3-728-433-01 | SHUTTER, SWITCH, O/C | (LDP-3300P/3600D: AEP/UK) |
| 126 | 3-578-393-00 | SPRING, TENSION | | | 3-728-433-03 | SHUTTER, SWITCH, O/C (LDP-3600D: US) | |
| 127 | X-3713-206-1 | MOTOR BLOCK ASSY, SKEW (M902) | | | | | |

5-4. SKEW BASE ASSEMBLY



Note: The components identified by mark  or dotted line with mark  are critical for safety. Replace only with part number specified.

| No. | Part No. | Description | Remark | No. | Part No. | Description | Remark |
|-----|--|-------------------------|--------|-----|---------------|-------------------------------|--------|
| 151 | *X-3688-271-4 | RACK ASSY | | 158 | 3-698-662-01 | GEAR, PINION | |
| 152 |  8-848-069-01 | DEVICE, OPTICS KSC-120A | | 159 | 3-698-663-01 | PULLEY, FEED | |
| 153 | *1-630-496-11 | SW-105 BOARD | | 160 | *X-3688-276-1 | BASE ASSY, SKEW | |
| 154 | 3-698-672-03 | TABEL, SWITCH | | 161 | 1-541-505-11 | MOTOR, SLIDE (NBS2B01) (M904) | |
| 155 | 3-698-667-01 | PULLEY, MOTOR | | 162 | *1-620-235-11 | MD-39 BOARD | |
| 156 | 3-480-136-00 | BELT | | 163 | 3-728-419-01 | SHUTTER | |
| 157 | 3-669-465-00 | WASHER (1.5), STOPPER | | 164 | 3-701-437-01 | WASHER | |

CP-25

HP-54

LD-16

AU-52

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:

MF: μ F, PF: μ μ F.

RESISTORS

- All resistors are in ohms.
- F: nonflammable

COILS

- MMH: mH, UH: μ H

SEMICONDUCTORS

In each case, U: μ , for example:
 UA....: μ A...., UPA....: μ PA....,
 UPC....: μ PC, UPD....: μ PD....

The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

When indicating parts by reference number, please include the board name.

| Ref.No | Part No. | Description | Remark | Ref.No | Part No. | Description | Remark |
|--------|---------------|--|--------|--------|--------------|----------------------------------|---|
| | *1-630-502-11 | CP-25 BOARD (Ref.No 4,000 Series) ***** | | | | FERRITE BEAD | |
| | 3-728-431-01 | PANEL, CONNECTOR | | FB031 | 1-543-236-11 | BEAD, FERRITE | |
| | 7-685-646-79 | SCREW +BVTP 3X8 TYPE2 IT-3 | | FB032 | 1-543-236-11 | BEAD, FERRITE | |
| | | CONNECTOR | | FB033 | 1-543-236-11 | BEAD, FERRITE | |
| CN010 | 1-506-470-11 | PIN, CONNECTOR 5P | | | | IC | |
| CN012 | 1-506-475-11 | PIN, CONNECTOR 10P | | IC031 | 8-759-981-95 | IC RC4558S | |
| CN204 | 1-506-468-11 | PIN, CONNECTOR 3P | | | | JACK | |
| | | JACK | | J031 | 1-507-796-71 | JACK (HEADPHONE) | |
| CNJ001 | 1-563-161-11 | CONNECTOR, D-SUB(MOUNT TYPE)25P(RS-232C) | | | | RESISTOR | |
| CNJ002 | 1-561-534-00 | SOCKET 21P (TV) | | R031 | 1-249-395-11 | CARBON 15 5% 1/4W | |
| CNJ003 | 1-562-635-11 | RECEPTACLE, BNC (VIDEO OUT) | | R032 | 1-249-409-11 | CARBON 220 5% 1/4W | |
| CNJ004 | *1-562-999-21 | JACK, PIN 2P (LINE OUT 1/L.2/R) | | R033 | 1-249-435-11 | CARBON 33K 5% 1/4W | |
| | | TRANSISTOR | | R034 | 1-249-430-11 | CARBON 12K 5% 1/4W | |
| Q001 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R035 | 1-249-395-11 | CARBON 15 5% 1/4W | |
| Q002 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R036 | 1-249-409-11 | CARBON 220 5% 1/4W | |
| | | RESISTOR | | R037 | 1-249-435-11 | CARBON 33K 5% 1/4W | |
| R001 | 1-249-413-11 | CARBON 470 5% 1/4W | | R038 | 1-249-430-11 | CARBON 12K 5% 1/4W | |
| R002 | 1-249-413-11 | CARBON 470 5% 1/4W | | R039 | 1-249-414-11 | CARBON 560 5% 1/4W | |
| R003 | 1-249-413-11 | CARBON 470 5% 1/4W | | | | SWITCH | |
| R004 | 1-249-413-11 | CARBON 470 5% 1/4W | | S031 | 1-554-920-11 | SWITCH, PUSH (AC POWER) (1 KEY) | |
| R005 | 1-247-804-11 | CARBON 75 5% 1/4W | | | | VARIABLE RESISTOR | |
| R006 | 1-247-804-11 | CARBON 75 5% 1/4W | | RV031 | 1-237-453-11 | RES, VAR, CARBON 20K/20K (LEVEL) | |
| R007 | 1-249-417-11 | CARBON 1K 5% 1/4W | | | | ***** | |
| R009 | 1-249-417-11 | CARBON 1K 5% 1/4W | | | | *1-630-501-11 | LD-16 BOARD (Ref.No 6,000 Series) ***** |
| R011 | 1-249-417-11 | CARBON 1K 5% 1/4W | | | | DIODE | |
| R012 | 1-249-417-11 | CARBON 1K 5% 1/4W | | D031 | 8-719-955-04 | DIODE PY5504S-1 | |
| | | SWITCH | | | | ***** | |
| SW001 | 1-571-146-11 | SWITCH, ROTARY (BAUD RATE) | | | | *A-6421-317-A | AU-52 BOARD, COMPLETE (Ref.No 2,000 Series) ***** (LDP-3600D) |
| | | ***** | | | | CAPACITOR | |
| | *1-630-491-11 | HP-54 BOARD (Ref.No 5,000 Series) ***** | | C309 | 1-161-329-00 | CERAMIC 0.0068MF 20% 16V | |
| | 3-531-576-11 | RIVET | | C310 | 1-161-329-00 | CERAMIC 0.0068MF 20% 16V | |
| | 3-715-933-01 | HOLDER, HP | | C311 | 1-161-329-00 | CERAMIC 0.0068MF 20% 16V | |
| | *3-728-437-02 | HOLDER, LED PC BOARD | | C312 | 1-161-329-00 | CERAMIC 0.0068MF 20% 16V | |
| | | CAPACITOR | | C313 | 1-162-211-31 | CERAMIC 33PF 5% 50V | |
| C031 | 1-124-589-11 | ELECT 47MF 20% 16V | | C314 | 1-162-283-31 | CERAMIC 120PF 10% 50V | |
| C032 | 1-124-589-11 | ELECT 47MF 20% 16V | | C315 | 1-161-329-00 | CERAMIC 0.0068MF 20% 16V | |
| C033 | 1-102-129-00 | CERAMIC 0.01MF 10% 50V | | C316 | 1-162-280-31 | CERAMIC 82PF 10% 50V | |
| | | CONNECTOR | | C317 | 1-126-176-11 | ELECT 220MF 20% 10V | |
| CN203 | 1-506-470-11 | PIN, CONNECTOR 5P | | C318 | 1-130-471-00 | MYLAR 0.001MF 5% 50V | |
| | | | | C319 | 1-162-284-31 | CERAMIC 150PF 10% 50V | |
| | | | | C320 | 1-130-469-00 | MYLAR 680PF 5% 50V | |
| | | | | C321 | 1-130-473-00 | MYLAR 0.0015MF 5% 50V | |

| Ref.No | Part No. | Description | Remark |
|-------------------|--------------|------------------------|--------|
| C322 | 1-130-473-00 | MYLAR 0.0015MF 5% | 50V |
| C323 | 1-123-875-11 | ELECT 10MF 20% | 50V |
| C324 | 1-130-481-00 | MYLAR 0.0068MF 5% | 50V |
| C325 | 1-162-286-31 | CERAMIC 220PF 10% | 50V |
| C326 | 1-161-377-00 | CERAMIC 0.0047MF 30% | 16V |
| C327 | 1-126-176-11 | ELECT 220MF 20% | 10V |
| C328 | 1-126-176-11 | ELECT 220MF 20% | 10V |
| C329 | 1-124-927-11 | ELECT 4.7MF 20% | 50V |
| C330 | 1-130-489-00 | MYLAR 0.033MF 5% | 50V |
| C331 | 1-126-233-11 | ELECT 22MF 20% | 25V |
| C332 | 1-161-329-00 | CERAMIC 0.0068MF 20% | 16V |
| C333 | 1-161-329-00 | CERAMIC 0.0068MF 20% | 16V |
| C334 | 1-162-211-31 | CERAMIC 33PF 5% | 50V |
| C335 | 1-161-329-00 | CERAMIC 0.0068MF 20% | 16V |
| C336 | 1-162-282-31 | CERAMIC 100PF 10% | 50V |
| C337 | 1-162-217-31 | CERAMIC 56PF 5% | 50V |
| C338 | 1-126-176-11 | ELECT 220MF 20% | 10V |
| C339 | 1-130-473-00 | MYLAR 0.0015MF 5% | 50V |
| C340 | 1-130-473-00 | MYLAR 0.0015MF 5% | 50V |
| C341 | 1-123-875-11 | ELECT 10MF 20% | 50V |
| C342 | 1-130-481-00 | MYLAR 0.0068MF 5% | 50V |
| C343 | 1-130-469-00 | MYLAR 680PF 5% | 50V |
| C344 | 1-130-471-00 | MYLAR 0.001MF 5% | 50V |
| C345 | 1-162-284-31 | CERAMIC 150PF 10% | 50V |
| C346 | 1-162-286-31 | CERAMIC 220PF 10% | 50V |
| C347 | 1-161-377-00 | CERAMIC 0.0047MF 30% | 16V |
| C348 | 1-126-233-11 | ELECT 22MF 20% | 25V |
| C349 | 1-130-489-00 | MYLAR 0.033MF 5% | 50V |
| <u>CONNECTOR</u> | | | |
| CN001 | 1-506-487-11 | PIN, CONNECTOR 8P | |
| <u>IC</u> | | | |
| IC302 | 8-759-303-75 | IC HA12083NT | |
| <u>COIL</u> | | | |
| L303 | 1-408-418-00 | INDUCTOR 56UH | |
| L304 | 1-410-069-11 | INDUCTOR 6.8MMH | |
| L305 | 1-408-423-00 | INDUCTOR 150UH | |
| L306 | 1-410-119-11 | INDUCTOR 1MMH | |
| L307 | 1-408-415-00 | INDUCTOR 33UH | |
| L308 | 1-410-069-11 | INDUCTOR 6.8MMH | |
| L309 | 1-408-423-00 | INDUCTOR 150UH | |
| L310 | 1-410-119-11 | INDUCTOR 1MMH | |
| <u>TRANSISTOR</u> | | | |
| Q303 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q304 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| <u>RESISTOR</u> | | | |
| R313 | 1-249-417-11 | CARBON 1K 5% | 1/4W |
| R314 | 1-249-417-11 | CARBON 1K 5% | 1/4W |

| Ref.No | Part No. | Description | Remark |
|--------------------------|------------------------------------|-----------------------------|---------|
| R315 | 1-249-426-11 | CARBON 5.6K 5% | 1/4W |
| R316 | 1-249-428-11 | CARBON 8.2K 5% | 1/4W |
| R317 | 1-249-419-11 | CARBON 1.5K 5% | 1/4W |
| R318 | 1-249-418-11 | CARBON 1.2K 5% | 1/4W |
| R319 | 1-249-413-11 | CARBON 470 5% | 1/4W |
| R320 | 1-210-821-00 | CARBON 2.2M 5% | 1/4W |
| R321 | 1-249-441-11 | CARBON 100K 5% | 1/4W |
| R322 | 1-249-425-11 | CARBON 4.7K 5% | 1/4W |
| R323 | 1-249-421-11 | CARBON 2.2K 5% | 1/4W |
| R326 | 1-249-425-11 | CARBON 4.7K 5% | 1/4W |
| R327 | 1-249-407-11 | CARBON 150 5% | 1/4W |
| R328 | 1-249-426-11 | CARBON 5.6K 5% | 1/4W |
| R329 | 1-249-425-11 | CARBON 4.7K 5% | 1/4W |
| R330 | 1-249-417-11 | CARBON 1K 5% | 1/4W |
| R331 | 1-249-417-11 | CARBON 1K 5% | 1/4W |
| R332 | 1-249-425-11 | CARBON 4.7K 5% | 1/4W |
| R333 | 1-249-426-11 | CARBON 5.6K 5% | 1/4W |
| R334 | 1-249-431-11 | CARBON 15K 5% | 1/4W |
| R335 | 1-249-425-11 | CARBON 4.7K 5% | 1/4W |
| R336 | 1-249-419-11 | CARBON 1.5K 5% | 1/4W |
| R337 | 1-249-418-11 | CARBON 1.2K 5% | 1/4W |
| R338 | 1-249-413-11 | CARBON 470 5% | 1/4W |
| R339 | 1-210-821-00 | CARBON 2.2M 5% | 1/4W |
| R340 | 1-249-441-11 | CARBON 100K 5% | 1/4W |
| R341 | 1-249-421-11 | CARBON 2.2K 5% | 1/4W |
| R342 | 1-249-426-11 | CARBON 5.6K 5% | 1/4W |
| R343 | 1-249-425-11 | CARBON 4.7K 5% | 1/4W |
| <u>VARIABLE RESISTOR</u> | | | |
| RV301 | 1-228-995-00 | RES, ADJ, CARBON 22K | |
| RV302 | 1-228-995-00 | RES, ADJ, CARBON 22K | |
| ***** | | | |
| *1-630-493-11 | FP-176 BOARD (Ref.No 1,000 Series) | ***** | |
| *3-728-445-01 | HOLDER, LED | | |
| <u>CAPACITOR</u> | | | |
| C101 | 1-124-589-11 | ELECT 47MF | 20% 10V |
| C102 | 1-126-160-11 | ELECT 1MF | 20% 50V |
| C103 | 1-162-288-31 | CERAMIC 330PF | 10% 50V |
| C104 | 1-126-162-11 | ELECT 3.3MF | 20% 50V |
| C105 | 1-124-589-11 | ELECT 47MF | 20% 10V |
| C106 | 1-124-589-11 | ELECT 47MF | 20% 10V |
| <u>CONNECTOR</u> | | | |
| CN001 | 1-506-467-11 | PIN, CONNECTOR 2P | |
| CN002 | 1-506-488-11 | PIN, CONNECTOR 9P | |
| <u>DIODE</u> | | | |
| D102 | 8-719-955-04 | DIODE PY5504S-1 (PAL INUSE) | |

When indicating parts by reference number, please include the board name.

| Ref.No | Part No. | Description | Remark |
|-------------------|---------------|--|------------------------------------|
| D103 | 8-719-955-04 | DIODE PY5504S-1 (NTSC INUSE) (LDP-3600D) | |
| D104 | 8-719-920-66 | DIODE SLR-54VC12 (EXT CPU) | |
| D105 | 8-719-920-66 | DIODE SLR-54VC12 (REMOTE) | |
| <u>IC</u> | | | |
| IC101 | 8-759-602-54 | IC CX20106A | |
| <u>TRANSISTOR</u> | | | |
| Q101 | 8-729-900-36 | TRANSISTOR DTC124ES | |
| Q102 | 8-729-900-36 | TRANSISTOR DTC124ES (LDP-3600D) | |
| Q103 | 8-729-900-36 | TRANSISTOR DTC124ES | |
| Q104 | 8-729-900-36 | TRANSISTOR DTC124ES | |
| <u>RESISTOR</u> | | | |
| R101 | 1-249-405-11 | CARBON 100 5% 1/4W | |
| R102 | 1-249-405-11 | CARBON 100 5% 1/4W | |
| R103 | 1-249-421-11 | CARBON 2.2K 5% 1/4W | |
| R104 | 1-249-393-11 | CARBON 10 5% 1/4W | |
| R105 | 1-249-407-11 | CARBON 150 5% 1/4W | |
| R106 | 1-247-886-11 | CARBON 200K 5% 1/4W | |
| R107 | 1-249-409-11 | CARBON 220 5% 1/4W | |
| R108 | 1-249-409-11 | CARBON 220 5% 1/4W | |
| R109 | 1-249-409-11 | CARBON 220 5% 1/4W | |
| R110 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R111 | 1-249-409-11 | CARBON 220 5% 1/4W | |
| <u>SWITCH</u> | | | |
| S101 | 1-570-472-11 | SWITCH, KEY BOARD (OPEN/CLOSE) | |
| ***** | | | |
| | *1-630-498-11 | PD-22 BOARD (Ref.No 1,000 Series) | ***** |
| <u>DIODE</u> | | | |
| D101 | 8-719-118-33 | DIODE PH302B | |
| ***** | | | |
| | *A-6421-312-A | DC-14 BOARD, COMPLETE | ***** (LDP-3300P/3600D: AEP/UK) |
| | *A-6421-433-A | DC-14 BOARD, COMPLETE (LDP-3600D: US) | ***** |
| | 1-533-189-11 | HOLDER, FUSE | |
| | *3-309-144-21 | HEAT SINK | |
| | *3-701-946-25 | LABEL (3.15A125V), FUSE (LDP-3600D: US) | |
| | 3-701-946-27 | LABEL (5A125V), FUSE (LDP-3600D: US) | |
| | 7-685-646-79 | SCREW +BVTP 3X8 TYPE2 SLIT | |
| | 7-685-646-79 | SCREW +BVTP 3X8 TYPE2 IT-3 | |
| | 7-685-648-79 | SCREW +BVTP 3X12 TYPE2 SLIT | |



| Ref.No | Part No. | Description | Remark |
|------------------|----------------|--|---------|
| <u>CAPACITOR</u> | | | |
| C701 | 1-101-006-00 | CERAMIC 0.047MF | 50V |
| C702 | 1-101-006-00 | CERAMIC 0.047MF | 50V |
| C703 | 1-124-771-00 | ELECT 6800MF | 20% 25V |
| C704 | 1-124-771-00 | ELECT 6800MF | 20% 25V |
| C705 | 1-126-091-11 | ELECT 15000MF | 20% 10V |
| C706 | 1-126-091-11 | ELECT 15000MF | 20% 10V |
| C707 | 1-124-771-00 | ELECT 6800MF | 20% 25V |
| C709 | 1-124-443-00 | ELECT 100MF | 20% 10V |
| C710 | 1-126-096-11 | ELECT 10MF | 20% 25V |
| C711 | 1-126-096-11 | ELECT 10MF | 20% 25V |
| C712 | 1-124-443-00 | ELECT 100MF | 20% 10V |
| C713 | 1-124-443-00 | ELECT 100MF | 20% 10V |
| C714 | 1-124-120-11 | ELECT 220MF | 20% 16V |
| C720 | 1-101-006-00 | CERAMIC 0.047MF | 50V |
| C721 | 1-101-006-00 | CERAMIC 0.047MF | 50V |
| C722 | 1-126-096-11 | ELECT 10MF | 20% 25V |
| C723 | 1-126-096-11 | ELECT 10MF | 20% 25V |
| <u>CONNECTOR</u> | | | |
| CN001 | *1-560-898-00 | PIN, CONNECTOR 10P | |
| CN002 | *1-560-894-00 | PIN, CONNECTOR 6P | |
| CN003 | *1-560-900-00 | PIN, CONNECTOR 12P | |
| CN005 | *1-560-891-00 | PIN, CONNECTOR 3P | |
| <u>DIODE</u> | | | |
| D701 | 8-719-801-74 | DIODE 4D4B44 | |
| D702 | 8-719-801-74 | DIODE 4D4B44 | |
| D703 | 8-719-981-01 | DIODE ERA81-004 | |
| D704 | 8-719-981-01 | DIODE ERA81-004 | |
| D705 | 8-719-200-02 | DIODE 10E-2 | |
| D706 | 8-719-200-02 | DIODE 10E-2 | |
| D707 | 8-719-981-01 | DIODE ERA81-004 | |
| D708 | 8-719-911-19 | DIODE 1SS119 | |
| <u>FUSE</u> | | | |
| F701 | △.1-532-299-00 | FUSE, TIME-LAG (T5A) (LDP-3300P/3600D: AEP/UK) | |
| F701 | △.1-532-747-11 | FUSE, GLASS TUBE 5A (LDP-3600D: US) | |
| F702 | △.1-532-299-00 | FUSE, TIME-LAG (T5A) (LDP-3300P/3600D: AEP/UK) | |
| F702 | △.1-532-747-11 | FUSE, GLASS TUBE 5A (LDP-3600D: US) | |
| F703 | △.1-532-237-00 | FUSE, TIME-LAG (T3.15A) (LDP-3300P/3600D: AEP/UK) | |
| F703 | △.1-532-745-11 | FUSE, GLASS TUBE 3.15A (LDP-3600D: US) | |
| <u>IC</u> | | | |
| IC701 | 8-759-135-80 | IC UPC358C | |
| IC702 | 8-759-982-34 | IC RC78M09FA | |
| IC703 | 8-759-982-54 | IC RC79M09FA | |

When indicating parts by reference number, please include the board name.

Note: The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

| Ref.No | Part No. | Description | Remark | Ref.No | Part No. | Description | Remark |
|-------------------|---|---------------------------------|--------|--------|--------------|---|--------|
| <u>IC LINK</u> | | | | | | | |
| PS701 | A.1-532-637-00 | LINK, IC (ICP-N25 1A) | | C009 | 1-161-329-00 | CERAMIC 0.0068MF 20% | 16V |
| <u>TRANSISTOR</u> | | | | | | | |
| Q701 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | C010 | 1-162-284-31 | CERAMIC 150PF 10% | 50V |
| Q702 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | C011 | 1-162-211-31 | CERAMIC 33PF 5% | 50V |
| Q703 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | C012 | 1-161-379-00 | CERAMIC 0.01MF 30% | 16V |
| <u>RESISTOR</u> | | | | | | | |
| R701 | 1-249-425-11 | CARBON 4.7K 5% 1/4W | | C013 | 1-162-209-31 | CERAMIC 27PF 5% | 50V |
| R702 | 1-249-413-11 | CARBON 470 5% 1/4W | | C014 | 1-123-875-11 | ELECT 10MF 20% | 50V |
| R703 | 1-215-431-00 | METAL 2.7K 1% 1/6W | | C015 | 1-126-103-11 | ELECT 470MF 20% | 16V |
| R704 | 1-215-429-00 | METAL 2.2K 1% 1/6W | | C016 | 1-162-211-31 | CERAMIC 33PF 5% | 50V |
| R705 | 1-249-417-11 | CARBON 1K 5% 1/4W | | C017 | 1-124-477-11 | ELECT 47MF 20% 16V (LDP-3600D) | |
| R706 | 1-249-405-11 | CARBON 100 5% 1/4W | | C018 | 1-162-203-31 | CERAMIC 15PF 5% | 50V |
| R707 | 1-249-433-11 | CARBON 22K 5% 1/4W | | C019 | 1-124-589-11 | ELECT 47MF 20% | 16V |
| R709 | 1-249-424-11 | CARBON 3.9K 5% 1/4W | | C020 | 1-124-963-11 | ELECT 33MF 20% | 16V |
| R710 | 1-249-429-11 | CARBON 10K 5% 1/4W | | C021 | 1-161-329-00 | CERAMIC 0.0068MF 20% | 16V |
| R711 | 1-249-408-11 | CARBON 180 5% 1/4W | | C022 | 1-161-329-00 | CERAMIC 0.0068MF 20% | 16V |
| R712 | 1-215-445-00 | METAL 10K 1% 1/6W | | C023 | 1-162-215-31 | CERAMIC 47PF 5% | 50V |
| R713 | 1-215-435-00 | METAL 3.9K 1% 1/6W | | C024 | 1-102-976-00 | CERAMIC 180PF 5% 50V (LDP-3600D) | |
| R714 | 1-215-445-00 | METAL 10K 1% 1/6W | | C025 | 1-124-477-11 | ELECT 47MF 20% 16V (LDP-3600D) | |
| R715 | 1-215-445-00 | METAL 10K 1% 1/6W | | C026 | 1-102-976-00 | CERAMIC 180PF 5% | 50V |
| R716 | 1-215-445-00 | METAL 10K 1% 1/6W | | C027 | 1-124-477-11 | ELECT 47MF 20% 16V (LDP-3600D) | |
| R717 | 1-215-445-00 | METAL 10K 1% 1/6W | | C051 | 1-124-589-11 | ELECT 47MF 20% | 16V |
| R718 | 1-249-408-11 | CARBON 180 5% 1/4W | | C052 | 1-126-157-11 | ELECT 10MF 20% | 16V |
| ***** | | | | C053 | 1-124-589-11 | ELECT 47MF 20% | 16V |
| *A-6421-314-A | SS-91 (D) BOARD, COMPLETE ***** (LDP-3600D: AEP/UK) | | | C054 | 1-162-207-31 | CERAMIC 22PF 5% | 50V |
| *A-6421-324-A | SS-91 (P) BOARD, COMPLETE (LDP-3300P) ***** | | | C056 | 1-162-215-31 | CERAMIC 47PF 5% | 50V |
| *A-6421-434-A | SS-91 (U) BOARD, COMPLETE (Ref.No 7,000 Series) ***** (LDP-3600D: US) | | | C057 | 1-102-978-00 | CERAMIC 220PF 5% 50V (LDP-3600D: AEP/UK) | |
| 1-540-044-11 | SOCKET, IC 64P | | | C057 | 1-162-286-31 | CERAMIC 220PF 10% 50V (LDP-3300P/3600D: US) | |
| *3-309-144-21 | HEAT SINK | | | C062 | 1-162-207-31 | CERAMIC 22PF 5% | 50V |
| 7-685-646-79 | SCREW +BVTP 3X8 TYPE2 N-S | | | C063 | 1-162-213-31 | CERAMIC 39PF 5% | 50V |
| 7-685-646-79 | SCREW +BVTP 3X8 TYPE2 IT-3 | | | C064 | 1-126-529-11 | ELECT 0.47MF 20% | 50V |
| <u>CAPACITOR</u> | | | | C065 | 1-161-379-00 | CERAMIC 0.01MF 30% | 16V |
| C001 | 1-124-791-11 | ELECT 1MF 20% 50V | | C066 | 1-124-463-00 | ELECT 0.1MF 20% | 50V |
| C002 | 1-161-329-00 | CERAMIC 0.0068MF 20% 16V | | C067 | 1-124-589-11 | ELECT 47MF 20% | 16V |
| C003 | 1-126-160-11 | ELECT 1MF 20% 50V | | C068 | 1-161-494-00 | CERAMIC 0.022MF 25V | |
| C004 | 1-162-280-31 | CERAMIC 82PF 10% 50V | | C069 | 1-161-494-00 | CERAMIC 0.022MF 25V | |
| C005 | 1-162-213-31 | CERAMIC 39PF 5% 50V | | C070 | 1-162-211-31 | CERAMIC 33PF 5% | 50V |
| C006 | 1-161-494-00 | CERAMIC 0.022MF 25V (LDP-3600D) | | C073 | 1-124-589-11 | ELECT 47MF 20% | 16V |
| C007 | 1-130-495-00 | MYLAR 0.1MF 5% 50V (LDP-3300P) | | C074 | 1-124-477-11 | ELECT 47MF 20% | 16V |
| C007 | 1-161-494-00 | CERAMIC 0.022MF 25V (LDP-3600D) | | C075 | 1-124-477-11 | ELECT 47MF 20% | 16V |
| C008 | 1-130-476-00 | MYLAR 0.0027MF 5% 50V | | C076 | 1-124-589-11 | ELECT 47MF 20% | 16V |
| | | | | C077 | 1-124-589-11 | ELECT 47MF 20% | 16V |
| | | | | C079 | 1-124-477-11 | ELECT 47MF 20% | 16V |
| | | | | C080 | 1-161-327-00 | CERAMIC 0.0033MF 30% | 16V |
| | | | | C082 | 1-130-485-00 | MYLAR 0.015MF 5% | 50V |
| | | | | C083 | 1-126-529-11 | ELECT 0.47MF 20% | 50V |
| | | | | C084 | 1-162-292-31 | CERAMIC 680PF 10% | 50V |
| | | | | C085 | 1-130-494-11 | MYLAR 0.082MF 5% | 50V |
| | | | | C086 | 1-124-443-00 | ELECT 100MF 20% | 10V |
| | | | | C087 | 1-124-443-00 | ELECT 100MF 20% | 10V |
| | | | | C090 | 1-124-589-11 | ELECT 47MF 20% | 16V |
| | | | | C091 | 1-161-329-00 | CERAMIC 0.0068MF 20% 16V (LDP-3600D) | |
| | | | | C092 | 1-161-329-00 | CERAMIC 0.0068MF 20% | 16V |
| | | | | C093 | 1-161-329-00 | CERAMIC 0.0068MF 20% | 16V |

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Note: The components identified by mark  or dotted line with mark  are critical for safety. Replace only with part number specified.

SS-91

| Ref.No | Part No. | Description | Remark | Ref.No | Part No. | Description | Remark | | | | |
|--------|--------------|-------------|----------|--------|-----------------|--------------|--------------|----------|----------|-----|-----------------|
| C095 | 1-161-494-00 | CERAMIC | 0.022MF | 25V | C317 | 1-161-379-00 | CERAMIC | 0.01MF | 30% | 16V | |
| C101 | 1-162-199-31 | CERAMIC | 10PF | 5% | 50V | C318 | 1-124-589-11 | ELECT | 47MF | 20% | 16V |
| C102 | 1-130-471-00 | MYLAR | 0.001MF | 5% | 50V | C319 | 1-130-489-00 | MYLAR | 0.033MF | 5% | 50V |
| C103 | 1-130-471-00 | MYLAR | 0.001MF | 5% | 50V | C320 | 1-162-286-31 | CERAMIC | 220PF | 10% | 50V |
| C104 | 1-130-471-00 | MYLAR | 0.001MF | 5% | 50V | C321 | 1-161-379-00 | CERAMIC | 0.01MF | 30% | 16V |
| C105 | 1-130-495-00 | MYLAR | 0.1MF | 5% | 50V | C322 | 1-124-589-11 | ELECT | 47MF | 20% | 16V |
| C106 | 1-130-471-00 | MYLAR | 0.001MF | 5% | 50V | C323 | 1-130-495-00 | MYLAR | 0.1MF | 5% | 50V |
| C107 | 1-126-176-11 | ELECT | 220MF | 20% | 6.3V | C324 | 1-130-469-00 | MYLAR | 680PF | 5% | 50V |
| C108 | 1-130-471-00 | MYLAR | 0.001MF | 5% | 50V | C325 | 1-130-471-00 | MYLAR | 0.001MF | 5% | 50V |
| C110 | 1-161-329-00 | CERAMIC | 0.0068MF | 20% | 16V | C326 | 1-131-344-00 | TANTALUM | 0.33MF | 10% | 35V |
| C111 | 1-161-329-00 | CERAMIC | 0.0068MF | 20% | 16V | C327 | 1-130-483-00 | MYLAR | 0.01MF | 5% | 50V |
| C112 | 1-124-446-11 | ELECT | 47MF | 20% | 10V | C328 | 1-124-477-11 | ELECT | 47MF | 20% | 25V |
| C113 | 1-130-472-00 | MYLAR | 0.0012MF | 5% | 50V | C329 | 1-130-483-00 | MYLAR | 0.01MF | 5% | 50V |
| C114 | 1-124-477-11 | ELECT | 47MF | 20% | 25V | C330 | 1-124-477-11 | ELECT | 47MF | 20% | 25V |
| C115 | 1-130-471-00 | MYLAR | 0.001MF | 5% | 50V | C331 | 1-130-476-00 | MYLAR | 0.0027MF | 5% | 50V |
| C121 | 1-162-294-31 | CERAMIC | 0.001MF | 10% | 50V | C332 | 1-130-476-00 | MYLAR | 0.0027MF | 5% | 50V |
| C123 | 1-162-294-31 | CERAMIC | 0.001MF | 10% | 50V | C333 | 1-130-483-00 | MYLAR | 0.01MF | 5% | 50V |
| C124 | 1-162-294-31 | CERAMIC | 0.001MF | 10% | 50V | C334 | 1-124-589-11 | ELECT | 47MF | 20% | 16V |
| C125 | 1-162-294-31 | CERAMIC | 0.001MF | 10% | 50V | C335 | 1-130-483-00 | MYLAR | 0.01MF | 5% | 50V |
| C126 | 1-162-294-31 | CERAMIC | 0.001MF | 10% | 50V | C336 | 1-124-589-11 | ELECT | 47MF | 20% | 16V |
| C127 | 1-162-294-31 | CERAMIC | 0.001MF | 10% | 50V | C337 | 1-136-156-00 | MYLAR | 0.018MF | 5% | 50V |
| C130 | 1-124-477-11 | ELECT | 47MF | 20% | 25V | C338 | 1-130-478-00 | MYLAR | 0.0039MF | 5% | 50V |
| C131 | 1-124-477-11 | ELECT | 47MF | 20% | 25V | C339 | 1-124-589-11 | ELECT | 47MF | 20% | 16V (LDP-3300P) |
| C132 | 1-124-477-11 | ELECT | 47MF | 20% | 25V | C340 | 1-126-320-11 | ELECT | 10MF | 20% | 16V |
| C133 | 1-124-477-11 | ELECT | 47MF | 20% | 25V | C341 | 1-130-483-00 | MYLAR | 0.01MF | 5% | 50V |
| C141 | 1-124-589-11 | ELECT | 47MF | 20% | 16V (LDP-3600D) | C342 | 1-130-487-00 | MYLAR | 0.022MF | 5% | 50V |
| C142 | 1-126-157-11 | ELECT | 10MF | 20% | 16V | C343 | 1-126-320-11 | ELECT | 10MF | 20% | 16V |
| C144 | 1-130-467-00 | MYLAR | 470PF | 5% | 50V (LDP-3600D) | C347 | 1-162-211-31 | CERAMIC | 33PF | 5% | 50V |
| C145 | 1-124-791-11 | ELECT | 1MF | 20% | 50V (LDP-3600D) | C348 | 1-130-489-00 | MYLAR | 0.033MF | 5% | 50V |
| C146 | 1-126-157-11 | ELECT | 10MF | 20% | 16V | C349 | 1-130-467-00 | MYLAR | 470PF | 5% | 50V |
| C150 | 1-124-589-11 | ELECT | 47MF | 20% | 16V | C350 | 1-130-483-00 | MYLAR | 0.01MF | 5% | 50V |
| C151 | 1-124-589-11 | ELECT | 47MF | 20% | 16V | C351 | 1-124-477-11 | ELECT | 47MF | 20% | 25V |
| C152 | 1-130-471-00 | MYLAR | 0.001MF | 5% | 50V | C352 | 1-130-483-00 | MYLAR | 0.01MF | 5% | 50V |
| C201 | 1-124-767-00 | ELECT | 2.2MF | 20% | 50V | C353 | 1-124-477-11 | ELECT | 47MF | 20% | 25V |
| C202 | 1-130-471-00 | MYLAR | 0.001MF | 5% | 50V | C354 | 1-126-529-11 | ELECT | 0.47MF | 20% | 50V |
| C204 | 1-130-476-00 | MYLAR | 0.0027MF | 5% | 50V | C356 | 1-162-280-31 | CERAMIC | 82PF | 10% | 50V |
| C206 | 1-130-489-00 | MYLAR | 0.033MF | 5% | 50V | C357 | 1-124-268-00 | ELECT | 0.22MF | 20% | 50V |
| C207 | 1-130-478-00 | MYLAR | 0.0039MF | 5% | 50V | C359 | 1-130-495-00 | MYLAR | 0.1MF | 5% | 50V |
| C300 | 1-162-211-31 | CERAMIC | 33PF | 5% | 50V | C360 | 1-130-495-00 | MYLAR | 0.1MF | 5% | 50V |
| C301 | 1-161-379-00 | CERAMIC | 0.01MF | 30% | 16V | C362 | 1-130-483-00 | MYLAR | 0.01MF | 5% | 50V |
| C302 | 1-124-589-11 | ELECT | 47MF | 20% | 16V | C363 | 1-124-589-11 | ELECT | 47MF | 20% | 16V |
| C303 | 1-162-211-31 | CERAMIC | 33PF | 5% | 50V | C364 | 1-130-483-00 | MYLAR | 0.01MF | 5% | 50V |
| C304 | 1-161-379-00 | CERAMIC | 0.01MF | 30% | 16V | C365 | 1-124-589-11 | ELECT | 47MF | 20% | 16V |
| C305 | 1-124-589-11 | ELECT | 47MF | 20% | 16V | C366 | 1-130-487-00 | MYLAR | 0.022MF | 5% | 50V |
| C308 | 1-130-476-00 | MYLAR | 0.0027MF | 5% | 50V | C367 | 1-124-273-00 | ELECT | 3.3MF | 20% | 50V |
| C309 | 1-130-485-00 | MYLAR | 0.015MF | 5% | 50V | C368 | 1-124-273-00 | ELECT | 3.3MF | 20% | 50V |
| C310 | 1-136-169-00 | MYLAR | 0.22MF | 5% | 50V | C369 | 1-124-282-00 | ELECT | 22MF | 20% | 16V |
| C311 | 1-162-280-31 | CERAMIC | 82PF | 10% | 50V | C371 | 1-162-211-31 | CERAMIC | 33PF | 5% | 50V |
| C312 | 1-161-329-00 | CERAMIC | 0.0068MF | 20% | 16V | C372 | 1-130-483-00 | MYLAR | 0.01MF | 5% | 50V |
| C313 | 1-126-101-11 | ELECT | 100MF | 20% | 16V | C373 | 1-161-379-00 | CERAMIC | 0.01MF | 30% | 16V |
| C314 | 1-124-477-11 | ELECT | 47MF | 20% | 16V | C374 | 1-130-471-00 | MYLAR | 0.001MF | 5% | 50V |
| C315 | 1-123-875-11 | ELECT | 10MF | 20% | 50V | C376 | 1-130-491-00 | MYLAR | 0.047MF | 5% | 50V |
| C316 | 1-124-446-11 | ELECT | 47MF | 20% | 10V | C377 | 1-136-169-00 | MYLAR | 0.22MF | 5% | 50V |

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| Ref.No | Part No. | Description | | | Remark | Ref.No | Part No. | Description | | Remark |
|--------|--------------|-------------|----------|-----|--------|------------------|---------------|----------------|--------------------|---------|
| C378 | 1-124-657-00 | ELECT | 10MF | 20% | 50V | C913 | 1-161-494-00 | CERAMIC | 0.022MF | 25V |
| C381 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V | C914 | 1-123-330-00 | ELECT | 22MF | 20% 16V |
| C382 | 1-124-767-00 | ELECT | 2.2MF | 20% | 50V | C915 | 1-161-494-00 | CERAMIC | 0.022MF | 25V |
| C399 | 1-124-589-11 | ELECT | 47MF | 20% | 16V | C916 | 1-161-494-00 | CERAMIC | 0.022MF | 25V |
| C401 | 1-126-163-11 | ELECT | 4.7MF | 20% | 50V | <u>CONNECTOR</u> | | | | |
| C402 | 1-161-327-00 | CERAMIC | 0.0033MF | 30% | 16V | CN001 | 1-506-476-11 | PIN, CONNECTOR | 11P | |
| C403 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V | CN003 | 1-506-467-11 | PIN, CONNECTOR | 2P | |
| C404 | 1-126-163-11 | ELECT | 4.7MF | 20% | 50V | CN004 | 1-506-467-11 | PIN, CONNECTOR | 2P | |
| C405 | 1-124-584-00 | ELECT | 100MF | 20% | 10V | CN005 | 1-506-471-11 | PIN, CONNECTOR | 6P | |
| C406 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V | CN006 | 1-506-467-11 | PIN, CONNECTOR | 2P | |
| C407 | 1-124-589-11 | ELECT | 47MF | 20% | 16V | CN007 | *1-560-896-00 | PIN, CONNECTOR | 8P | |
| C410 | 1-123-382-00 | ELECT | 3.3MF | 20% | 25V | CN009 | *1-564-028-00 | PIN, CONNECTOR | 3P | |
| C411 | 1-130-495-00 | MYLAR | 0.1MF | 5% | 50V | CN010 | *1-560-900-00 | PIN, CONNECTOR | 12P | |
| C413 | 1-126-163-11 | ELECT | 4.7MF | 20% | 50V | CN011 | 1-506-474-11 | PIN, CONNECTOR | 9P | |
| C414 | 1-126-163-11 | ELECT | 4.7MF | 20% | 50V | CN012 | 1-506-475-11 | PIN, CONNECTOR | 10P | |
| C415 | 1-126-163-11 | ELECT | 4.7MF | 20% | 50V | CN020 | 1-506-467-11 | PIN, CONNECTOR | 2P | |
| C416 | 1-162-294-31 | CERAMIC | 0.001MF | 10% | 50V | CN022 | 1-506-469-11 | PIN, CONNECTOR | 4P | |
| C417 | 1-162-294-31 | CERAMIC | 0.001MF | 10% | 50V | CN024 | 1-506-468-11 | PIN, CONNECTOR | 3P | |
| C418 | 1-162-294-31 | CERAMIC | 0.001MF | 10% | 50V | CN025 | 1-506-470-11 | PIN, CONNECTOR | 5P | |
| C419 | 1-162-294-31 | CERAMIC | 0.001MF | 10% | 50V | CN026 | 1-506-467-11 | PIN, CONNECTOR | 2P | |
| C420 | 1-162-294-31 | CERAMIC | 0.001MF | 10% | 50V | CN027 | 1-506-467-11 | PIN, CONNECTOR | 2P | |
| C421 | 1-162-294-31 | CERAMIC | 0.001MF | 10% | 50V | CN028 | 1-506-470-11 | PIN, CONNECTOR | 5P | |
| C451 | 1-130-467-00 | MYLAR | 470PF | 5% | 50V | CN029 | 1-506-469-11 | PIN, CONNECTOR | 4P | |
| C452 | 1-130-471-00 | MYLAR | 0.001MF | 5% | 50V | CN115 | *1-564-037-11 | PIN, CONNECTOR | 12P | |
| C453 | 1-130-477-00 | MYLAR | 0.0033MF | 5% | 50V | CN201 | 1-506-467-11 | PIN, CONNECTOR | 2P | |
| C454 | 1-130-479-00 | MYLAR | 0.0047MF | 5% | 50V | CN202 | 1-506-469-11 | PIN, CONNECTOR | 4P | |
| C455 | 1-124-910-11 | ELECT | 47MF | 20% | 50V | CN401 | *1-560-899-00 | PIN, CONNECTOR | 11P | |
| C456 | 1-101-006-00 | CERAMIC | 0.047MF | | 50V | <u>DIODE</u> | | | | |
| C457 | 1-130-471-00 | MYLAR | 0.001MF | 5% | 50V | D001 | 8-719-911-19 | DIODE | 1SS119 | |
| C458 | 1-124-910-11 | ELECT | 47MF | 20% | 50V | D002 | 8-719-911-19 | DIODE | 1SS119 | |
| C459 | 1-161-061-11 | CERAMIC | 0.068MF | 10% | 50V | D101 | 8-719-911-19 | DIODE | 1SS119 | |
| C460 | 1-161-061-11 | CERAMIC | 0.068MF | 10% | 50V | D102 | 8-719-911-19 | DIODE | 1SS119 | |
| C461 | 1-101-006-00 | CERAMIC | 0.047MF | | 50V | D103 | 8-719-911-19 | DIODE | 1SS119 | |
| C462 | 1-101-006-00 | CERAMIC | 0.047MF | | 50V | D105 | 8-719-911-19 | DIODE | 1SS119 | |
| C463 | 1-124-120-11 | ELECT | 220MF | 20% | 25V | D106 | 8-719-911-19 | DIODE | 1SS119 | |
| C464 | 1-124-120-11 | ELECT | 220MF | 20% | 25V | D107 | 8-719-911-19 | DIODE | 1SS119 | |
| C466 | 1-126-096-11 | ELECT | 10MF | 20% | 25V | D108 | 8-719-911-19 | DIODE | 1SS119 | |
| C467 | 1-126-096-11 | ELECT | 10MF | 20% | 25V | D109 | 8-719-911-19 | DIODE | 1SS119 | |
| C468 | 1-124-477-11 | ELECT | 47MF | 20% | 25V | D110 | 8-719-911-19 | DIODE | 1SS119 | |
| C469 | 1-124-477-11 | ELECT | 47MF | 20% | 25V | D111 | 8-719-911-19 | DIODE | 1SS119 | |
| C470 | 1-124-477-11 | ELECT | 47MF | 20% | 25V | D142 | 8-719-911-19 | DIODE | 1SS119 (LDP-3600D) | |
| C471 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V | D143 | 8-719-911-19 | DIODE | 1SS119 (LDP-3600D) | |
| C901 | 1-123-330-00 | ELECT | 22MF | 20% | 16V | D300 | 8-719-911-19 | DIODE | 1SS119 | |
| C902 | 1-161-494-00 | CERAMIC | 0.022MF | | 25V | D301 | 8-719-109-96 | DIODE | RD6.8ESB1 | |
| C904 | 1-161-494-00 | CERAMIC | 0.022MF | | 25V | D302 | 8-719-911-19 | DIODE | 1SS119 | |
| C905 | 1-161-494-00 | CERAMIC | 0.022MF | | 25V | D307 | 8-719-109-59 | DIODE | RD2.7ESB1 | |
| C906 | 1-161-494-00 | CERAMIC | 0.022MF | | 25V | D310 | 8-719-911-19 | DIODE | 1SS119 | |
| C907 | 1-161-494-00 | CERAMIC | 0.022MF | | 25V | D403 | 8-719-911-19 | DIODE | 1SS119 | |
| C908 | 1-161-494-00 | CERAMIC | 0.022MF | | 25V | D404 | 8-719-911-19 | DIODE | 1SS119 | |
| C909 | 1-161-494-00 | CERAMIC | 0.022MF | | 25V | D431 | 8-719-911-19 | DIODE | 1SS119 | |
| C910 | 1-161-494-00 | CERAMIC | 0.022MF | | 25V | D432 | 8-719-911-19 | DIODE | 1SS119 | |
| C911 | 1-161-494-00 | CERAMIC | 0.022MF | | 25V | | | | | |
| C912 | 1-161-494-00 | CERAMIC | 0.022MF | | 25V | | | | | |

When indicating parts by reference number, please include the board name.

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| Ref.No | Part No. | Description | Remark | Ref.No | Part No. | Description | Remark |
|--------|--------------|---------------------------------------|--------|--------------------|--------------|-------------------------|--------|
| D433 | 8-719-911-19 | DIODE 1SS119 | | IC401 | 8-759-981-95 | IC RC4558S | |
| D451 | 8-719-911-19 | DIODE 1SS119 | | IC402 | 8-759-240-53 | IC TC4053BP | |
| D452 | 8-719-300-92 | DIODE EK04 | | IC403 | 8-759-305-31 | IC STA302A | |
| D453 | 8-719-300-92 | DIODE EK04 | | IC404 | 8-759-305-32 | IC STA303A | |
| D454 | 8-719-911-19 | DIODE 1SS119 | | IC405 | 8-759-981-95 | IC RC4558S | |
| D455 | 8-719-911-19 | DIODE 1SS119 | | IC451 | 8-759-981-95 | IC RC4558S | |
| | | <u>DELAY LINE</u> | | IC452 | 8-759-981-68 | IC LM2903S | |
| DL001 | 1-415-515-11 | DELAY LINE | | IC453 | 8-759-205-83 | IC TA7713P | |
| | | <u>FILTER</u> | | IC901 | 8-759-322-36 | IC HD63A01YORL70P | |
| FLO01 | 1-235-943-11 | BPF (LDP-3600D) | | IC902 | 8-759-631-98 | IC M60014-0120FP | |
| FLO02 | 1-236-262-11 | FILTER, BAND PASS | | IC903 | 8-759-103-27 | IC UPD8251AFC | |
| FLO03 | 1-235-924-11 | FILTER, LOW PASS (4.5MHZ) (LDP-3600D) | | IC904 | 8-759-913-99 | IC MB88201-173N | |
| FLO04 | 1-236-264-11 | FILTER, LOW PASS (5.0MHZ) | | IC905 | 8-759-013-15 | IC MC145411P | |
| | | <u>CONNECTOR</u> | | IC906 | 8-759-011-83 | IC MC145406P | |
| FN001 | 1-563-510-11 | CONNECTOR, FPC.FFC 24P | | IC907 | 8-759-240-11 | IC TC4011BP | |
| | | <u>IC</u> | | IC908 | 8-759-240-11 | IC TC4011BP | |
| IC001 | 8-752-006-12 | IC CX20061 (LDP-3600D) | | IC909 | 8-759-000-99 | IC MC74HC74N | |
| IC002 | 8-759-600-99 | IC M51481P | | | | <u>COIL</u> | |
| IC003 | 8-752-006-12 | IC CX20061 (LDP-3600D) | | L001 | 1-410-521-11 | INDUCTOR | 100UH |
| IC004 | 8-752-006-12 | IC CX20061 (LDP-3600D) | | L002 | 1-410-521-11 | INDUCTOR | 100UH |
| IC005 | 8-752-321-89 | IC CXL5003P | | L003 | 1-410-521-11 | INDUCTOR | 100UH |
| IC006 | 8-759-912-64 | IC PA0009 | | L004 | 1-408-421-00 | INDUCTOR | 100UH |
| IC010 | 8-752-006-12 | IC CX20061 | | L006 | 1-410-521-11 | INDUCTOR | 100UH |
| IC101 | 8-752-322-98 | IC CXD1091S | | L008 | 1-410-521-11 | INDUCTOR | 100UH |
| IC102 | 8-759-901-23 | IC SN74LS123N | | L009 | 1-408-421-00 | INDUCTOR | 100UH |
| IC103 | 8-759-345-38 | IC HD14538BP | | L011 | 1-410-522-11 | INDUCTOR | 120UH |
| IC104 | 8-759-250-81 | IC TC5081AP | | L012 | 1-410-515-11 | INDUCTOR | 33UH |
| IC105 | 8-759-240-53 | IC TC4053BP | | L013 | 1-410-513-11 | INDUCTOR | 22UH |
| IC106 | 8-759-240-11 | IC TC4011BP | | L014 | 1-410-521-11 | INDUCTOR | 100UH |
| IC107 | 8-759-345-38 | IC HD14538BP | | L015 | 1-410-521-11 | INDUCTOR | 100UH |
| IC108 | 8-759-345-38 | IC HD14538BP | | L103 | 1-410-521-11 | INDUCTOR | 100UH |
| IC109 | 8-759-240-24 | IC TC4024BP | | L141 | 1-410-521-11 | INDUCTOR | 100UH |
| IC110 | 8-759-345-38 | IC HD14538BP | | L300 | 1-410-521-11 | INDUCTOR | 100UH |
| IC111 | 8-759-203-68 | IC TC74HC4040P (LDP-3600D) | | L301 | 1-410-521-11 | INDUCTOR | 100UH |
| IC112 | 8-759-205-76 | IC TC504013BP (LDP-3600D) | | L302 | 1-410-521-11 | INDUCTOR | 100UH |
| IC113 | 8-759-240-11 | IC TC4011BP (LDP-3600D) | | L303 | 1-410-521-11 | INDUCTOR | 100UH |
| IC301 | 8-759-981-95 | IC RC4558S | | L304 | 1-410-521-11 | INDUCTOR | 100UH |
| IC302 | 8-759-981-95 | IC RC4558S | | L305 | 1-410-521-11 | INDUCTOR | 100UH |
| IC303 | 8-759-981-95 | IC RC4558S | | L306 | 1-410-521-11 | INDUCTOR | 100UH |
| IC304 | 8-759-981-68 | IC LM2903S | | L307 | 1-410-521-11 | INDUCTOR | 100UH |
| IC305 | 8-749-920-75 | IC STA-451C | | L308 | 1-410-521-11 | INDUCTOR | 100UH |
| IC306 | 8-759-981-95 | IC RC4558S | | L309 | 1-410-521-11 | INDUCTOR | 100UH |
| IC307 | 8-759-981-95 | IC RC4558S | | L310 | 1-410-521-11 | INDUCTOR | 100UH |
| IC308 | 8-749-920-75 | IC STA-451C | | L313 | 1-410-521-11 | INDUCTOR | 100UH |
| IC309 | 8-759-981-95 | IC RC4558S | | L314 | 1-410-521-11 | INDUCTOR | 100UH |
| IC310 | 8-759-981-95 | IC RC4558S | | L401 | 1-410-521-11 | INDUCTOR | 100UH |
| IC312 | 8-759-982-52 | IC RC79M05FA | | L402 | 1-410-521-11 | INDUCTOR | 100UH |
| IC313 | 8-759-321-40 | IC HA11529 | | L451 | 1-410-305-12 | COIL, CHOKE 400UH | |
| | | | | | | <u>IC LINK</u> | |
| | | | | PS301 [△] | 1-532-675-00 | LINK, IC (ICP-F38 1.5A) | |
| | | | | PS302 [△] | 1-532-675-00 | LINK, IC (ICP-F38 1.5A) | |

When indicating parts by reference number, please include the board name.

Note: The components identified by mark [△] or dotted line with mark [△] are critical for safety. Replace only with part number specified.

| Ref.No | Part No. | Description | Remark | Ref.No | Part No. | Description | Remark |
|-------------------|--------------|------------------------------------|--------|-----------------|--------------|---------------------------------|--------|
| PS303A | 1-532-675-00 | LINK, IC (ICP-F38 1.5A) | | Q410 | 8-729-281-53 | TRANSISTOR 2SC1815-GR | |
| PS304A | 1-532-675-00 | LINK, IC (ICP-F38 1.5A) | | Q411 | 8-729-201-53 | TRANSISTOR 2SA1015-GR | |
| PS401A | 1-532-686-00 | LINK, IC (ICP-F75 2.7A) | | Q412 | 8-729-281-53 | TRANSISTOR 2SC1815-GR | |
| PS402A | 1-532-686-00 | LINK, IC (ICP-F75 2.7A) | | Q413 | 8-729-281-53 | TRANSISTOR 2SC1815-GR | |
| | | | | Q414 | 8-729-201-53 | TRANSISTOR 2SA1015-GR | |
| <u>TRANSISTOR</u> | | | | | | | |
| Q001 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | Q415 | 8-729-281-53 | TRANSISTOR 2SC1815-GR | |
| Q002 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | Q416 | 8-729-281-53 | TRANSISTOR 2SC1815-GR | |
| Q003 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | Q417 | 8-729-201-53 | TRANSISTOR 2SA1015-GR | |
| Q004 | 8-729-900-36 | TRANSISTOR DTC124ES | | Q418 | 8-729-281-53 | TRANSISTOR 2SC1815-GR | |
| Q005 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | Q420 | 8-729-900-63 | TRANSISTOR DTA124ES | |
| Q006 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | Q421 | 8-729-900-63 | TRANSISTOR DTA124ES | |
| Q007 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | Q422 | 8-729-900-36 | TRANSISTOR DTC124ES | |
| Q008 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | Q423 | 8-729-900-63 | TRANSISTOR DTA124ES | |
| Q009 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | Q432 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q010 | 8-729-900-36 | TRANSISTOR DTC124ES | | Q451 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | |
| Q011 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE (LDP-3600D) | | Q452 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | |
| Q012 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | Q453 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q013 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | Q458 | 8-729-804-68 | TRANSISTOR 2SB1133-S | |
| Q051 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | Q459 | 8-729-804-17 | TRANSISTOR 2SD1666-R | |
| Q052 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | | <u>RESISTOR</u> | | | |
| Q053 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R001 | 1-249-413-11 | CARBON 470 5% 1/4W | |
| Q054 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R002 | 1-249-421-11 | CARBON 2.2K 5% 1/4W | |
| Q055 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | | R003 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| Q056 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R004 | 1-249-420-11 | CARBON 1.8K 5% 1/4W | |
| Q057 | 8-729-900-36 | TRANSISTOR DTC124-TP (LDP-3600D) | | R005 | 1-249-416-11 | CARBON 820 5% 1/4W | |
| Q058 | 8-729-900-36 | TRANSISTOR DTC124-TP | | R006 | 1-249-409-11 | CARBON 220 5% 1/4W | |
| Q059 | 8-729-900-36 | TRANSISTOR DTC124-TP (LDP-3600D) | | R007 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| Q101 | 8-729-900-89 | TRANSISTOR DTC144-TP | | R010 | 1-249-417-11 | CARBON 1K 5% 1/4W (LDP-3600D) | |
| Q102 | 8-729-900-63 | TRANSISTOR DTA124-TP | | R011 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| Q103 | 8-729-900-80 | TRANSISTOR DTC114-TP | | R013 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| Q105 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | | R014 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| Q106 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | | R015 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| Q107 | 8-729-900-36 | TRANSISTOR DTC124-TP | | R016 | 1-249-433-11 | CARBON 22K 5% 1/4W | |
| Q140 | 8-729-900-89 | TRANSISTOR DTC144-TP (LDP-3600D) | | R017 | 1-249-421-11 | CARBON 2.2K 5% 1/4W (LDP-3600D) | |
| Q201 | 8-729-900-80 | TRANSISTOR DTC114-TP | | R018 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| Q303 | 8-729-900-61 | TRANSISTOR DTA114-TP | | R019 | 1-249-420-11 | CARBON 1.8K 5% 1/4W | |
| Q304 | 8-729-218-43 | TRANSISTOR 2SK184-GR | | R020 | 1-249-413-11 | CARBON 470 5% 1/4W | |
| Q305 | 8-729-900-61 | TRANSISTOR DTA114-TP | | R021 | 1-249-417-11 | CARBON 1K 5% 1/4W (LDP-3600D) | |
| Q306 | 8-729-900-80 | TRANSISTOR DTC114-TP | | R022 | 1-249-417-11 | CARBON 1K 5% 1/4W (LDP-3600D) | |
| Q307 | 8-729-218-43 | TRANSISTOR 2SK184-GR | | R023 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| Q308 | 8-729-218-43 | TRANSISTOR 2SK184-GR | | R024 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| Q310 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R025 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| Q311 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R026 | 1-249-418-11 | CARBON 1.2K 5% 1/4W (LDP-3600D) | |
| Q312 | 8-729-320-62 | TRANSISTOR 2SD789-34 | | R027 | 1-249-415-11 | CARBON 680 5% 1/4W (LDP-3600D) | |
| Q313 | 8-729-320-62 | TRANSISTOR 2SD789-34 | | R028 | 1-249-419-11 | CARBON 1.5K 5% 1/4W | |
| Q314 | 8-729-900-63 | TRANSISTOR DTA124ES | | R029 | 1-249-414-11 | CARBON 560 5% 1/4W | |
| Q401 | 8-729-900-36 | TRANSISTOR DTC124ES | | R030 | 1-249-413-11 | CARBON 470 5% 1/4W | |
| Q402 | 8-729-900-36 | TRANSISTOR DTC124ES | | R031 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| Q403 | 8-729-900-63 | TRANSISTOR DTA124ES | | R032 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| Q404 | 8-729-900-36 | TRANSISTOR DTC124ES | | R033 | 1-249-413-11 | CARBON 470 5% 1/4W | |
| Q405 | 8-729-900-63 | TRANSISTOR DTA124ES | | R051 | 1-249-436-11 | CARBON 39K 5% 1/4W | |
| | | | | R052 | 1-249-430-11 | CARBON 12K 5% 1/4W | |

When indicating parts by reference number, please include the board name.

Note: The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

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| Ref.No | Part No. | Description | Remark | Ref.No | Part No. | Description | Remark |
|--------|--------------|-------------|--------------------------|--------|--------------|-------------|--------------|
| R053 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W | R147 | 1-249-438-11 | CARBON | 56K 5% 1/4W |
| R054 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W | R150 | 1-249-437-11 | CARBON | 47K 5% 1/4W |
| R055 | 1-249-414-11 | CARBON | 560 5% 1/4W | R151 | 1-249-428-11 | CARBON | 8.2K 5% 1/4W |
| R056 | 1-249-420-11 | CARBON | 1.8K 5% 1/4W | R152 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| R057 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W | R153 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| R058 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R154 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W |
| R064 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R155 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W |
| R065 | 1-247-903-00 | CARBON | 1M 5% 1/4W | R156 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W |
| R066 | 1-249-426-11 | CARBON | 5.6K 5% 1/4W | R171 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| R067 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R201 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W |
| R068 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R202 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W |
| R069 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W | R203 | 1-247-895-00 | CARBON | 470K 5% 1/4W |
| R074 | 1-249-429-11 | CARBON | 10K 5% 1/4W | R205 | 1-249-439-11 | CARBON | 68K 5% 1/4W |
| R075 | 1-249-413-11 | CARBON | 470 5% 1/4W | R206 | 1-247-897-11 | CARBON | 560K 5% 1/4W |
| R076 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R207 | 1-247-887-00 | CARBON | 220K 5% 1/4W |
| R080 | 1-249-409-11 | CARBON | 220 5% 1/4W | R208 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| R081 | 1-249-406-11 | CARBON | 120 5% 1/4W | R210 | 1-249-405-11 | CARBON | 100 5% 1/4W |
| R082 | 1-249-441-11 | CARBON | 100K 5% 1/4W | R211 | 1-249-433-11 | CARBON | 22K 5% 1/4W |
| R083 | 1-249-426-11 | CARBON | 5.6K 5% 1/4W | R300 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W |
| R084 | 1-249-430-11 | CARBON | 12K 5% 1/4W | R301 | 1-249-437-11 | CARBON | 47K 5% 1/4W |
| R085 | 1-249-429-11 | CARBON | 10K 5% 1/4W | R302 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W |
| R086 | 1-249-426-11 | CARBON | 5.6K 5% 1/4W | R303 | 1-249-436-11 | CARBON | 39K 5% 1/4W |
| R087 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W | R304 | 1-249-431-11 | CARBON | 15K 5% 1/4W |
| R101 | 1-249-435-11 | CARBON | 33K 5% 1/4W | R305 | 1-249-431-11 | CARBON | 15K 5% 1/4W |
| R105 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W | R306 | 1-249-431-11 | CARBON | 15K 5% 1/4W |
| R106 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W | R307 | 1-249-434-11 | CARBON | 27K 5% 1/4W |
| R107 | 1-247-891-00 | CARBON | 330K 5% 1/4W | R308 | 1-249-419-11 | CARBON | 1.5K 5% 1/4W |
| R108 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R309 | 1-249-434-11 | CARBON | 27K 5% 1/4W |
| R109 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W | R310 | 1-249-405-11 | CARBON | 100 5% 1/4W |
| R110 | 1-249-440-11 | CARBON | 82K 5% 1/4W | R311 | 1-249-389-11 | CARBON | 4.7 5% 1/4W |
| R111 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R312 | 1-249-436-11 | CARBON | 39K 5% 1/4W |
| R112 | 1-249-441-11 | CARBON | 100K 5% 1/4W | R313 | 1-249-424-11 | CARBON | 3.9K 5% 1/4W |
| R113 | 1-249-429-11 | CARBON | 10K 5% 1/4W | R314 | 1-249-436-11 | CARBON | 39K 5% 1/4W |
| R114 | 1-247-881-00 | CARBON | 120K 5% 1/4W | R315 | 1-249-441-11 | CARBON | 100K 5% 1/4W |
| R115 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R316 | 1-249-441-11 | CARBON | 100K 5% 1/4W |
| R116 | 1-249-429-11 | CARBON | 10K 5% 1/4W | R317 | 1-249-434-11 | CARBON | 27K 5% 1/4W |
| R117 | 1-215-462-00 | METAL | 51K 1% 1/6W | R318 | 1-249-427-11 | CARBON | 6.8K 5% 1/4W |
| R119 | 1-247-881-00 | CARBON | 120K 5% 1/4W | R319 | 1-249-441-11 | CARBON | 100K 5% 1/4W |
| R121 | 1-249-429-11 | CARBON | 10K 5% 1/4W | R320 | 1-249-427-11 | CARBON | 6.8K 5% 1/4W |
| R122 | 1-249-430-11 | CARBON | 12K 5% 1/4W | R321 | 1-249-435-11 | CARBON | 33K 5% 1/4W |
| R128 | 1-249-429-11 | CARBON | 10K 5% 1/4W | R322 | 1-249-401-11 | CARBON | 47 5% 1/4W |
| R129 | 1-249-433-11 | CARBON | 22K 5% 1/4W | R323 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W |
| R130 | 1-249-433-11 | CARBON | 22K 5% 1/4W | R324 | 1-249-418-11 | CARBON | 1.2K 5% 1/4W |
| R131 | 1-249-407-11 | CARBON | 150 5% 1/4W | R325 | 1-249-420-11 | CARBON | 1.8K 5% 1/4W |
| R132 | 1-249-407-11 | CARBON | 150 5% 1/4W | R326 | 1-249-427-11 | CARBON | 6.8K 5% 1/4W |
| R134 | 1-249-429-11 | CARBON | 10K 5% 1/4W | R327 | 1-249-420-11 | CARBON | 1.8K 5% 1/4W |
| R137 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W | R328 | 1-249-420-11 | CARBON | 1.8K 5% 1/4W |
| R138 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R329 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W |
| R141 | 1-249-417-11 | CARBON | 1K 5% 1/4W (LDP-3600D) | R330 | 1-249-415-11 | CARBON | 680 5% 1/4W |
| R142 | 1-249-429-11 | CARBON | 10K 5% 1/4W (LDP-3600D) | R331 | 1-249-389-11 | CARBON | 4.7 5% 1/4W |
| R143 | 1-249-428-11 | CARBON | 8.2K 5% 1/4W (LDP-3600D) | R332 | 1-244-832-11 | CARBON | 20 5% 1/2W |
| R144 | 1-249-441-11 | CARBON | 100K 5% 1/4W (LDP-3600D) | R333 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| R145 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W | R334 | 1-249-429-11 | CARBON | 10K 5% 1/4W |

When indicating parts by reference number, please include the board name.

| Ref.No | Part No. | Description | Quantity | Material | Unit | Remark | Ref.No | Part No. | Description | Quantity | Material | Unit | Remark |
|--------|---------------|-------------|----------|----------|------|--------|--------|---------------|-------------|----------|----------|------|--------|
| R335 | 1-249-407-11 | CARBON | 150 | 5% | 1/4W | | R392 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W | |
| R336 | △1-216-374-00 | METAL OXIDE | 2.7 | 5% | 2W | F | R393 | 1-249-438-11 | CARBON | 56K | 5% | 1/4W | |
| R337 | 1-247-903-00 | CARBON | 1M | 5% | 1/4W | | R394 | 1-249-401-11 | CARBON | 47 | 5% | 1/4W | |
| R338 | 1-249-428-11 | CARBON | 8.2K | 5% | 1/4W | | R395 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R339 | 1-249-432-11 | CARBON | 18K | 5% | 1/4W | | R396 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R340 | 1-249-424-11 | CARBON | 3.9K | 5% | 1/4W | | R397 | △1-216-374-00 | METAL OXIDE | 2.7 | 5% | 2W | F |
| R341 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | | R398 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W | |
| R342 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | | R399 | 1-249-405-11 | CARBON | 100 | 5% | 1/4W | |
| R343 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | | R401 | 1-249-435-11 | CARBON | 33K | 5% | 1/4W | |
| R344 | 1-215-457-00 | METAL | 33K | 1% | 1/6W | | R402 | 1-249-435-11 | CARBON | 33K | 5% | 1/4W | |
| R345 | 1-215-451-00 | METAL | 18K | 1% | 1/6W | | R403 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W | |
| R346 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | | R404 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W | |
| R347 | 1-247-901-11 | CARBON | 820K | 5% | 1/4W | | R405 | 1-247-887-00 | CARBON | 220K | 5% | 1/4W | |
| R348 | 1-215-457-00 | METAL | 33K | 1% | 1/6W | | R406 | 1-249-438-11 | CARBON | 56K | 5% | 1/4W | |
| R349 | 1-215-452-00 | METAL | 20K | 1% | 1/6W | | R407 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W | |
| R350 | 1-247-901-11 | CARBON | 820K | 5% | 1/4W | | R408 | 1-247-893-11 | CARBON | 390K | 5% | 1/4W | |
| R351 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | | R409 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W | |
| R352 | 1-247-887-00 | CARBON | 220K | 5% | 1/4W | | R410 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W | |
| R353 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | | R411 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | |
| R355 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W | | R412 | 1-247-887-00 | CARBON | 220K | 5% | 1/4W | |
| R357 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | | R413 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W | |
| R358 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | | R414 | 1-247-887-00 | CARBON | 220K | 5% | 1/4W | |
| R359 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | | R415 | 1-247-881-00 | CARBON | 120K | 5% | 1/4W | |
| R360 | 1-249-428-11 | CARBON | 8.2K | 5% | 1/4W | | R416 | 1-247-887-00 | CARBON | 220K | 5% | 1/4W | |
| R361 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W | | R417 | 1-247-887-00 | CARBON | 220K | 5% | 1/4W | |
| R362 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | | R418 | 1-247-893-11 | CARBON | 390K | 5% | 1/4W | |
| R363 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | | R419 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | |
| R364 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | | R420 | 1-247-887-00 | CARBON | 220K | 5% | 1/4W | |
| R365 | 1-249-428-11 | CARBON | 8.2K | 5% | 1/4W | | R423 | 1-249-430-11 | CARBON | 12K | 5% | 1/4W | |
| R366 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W | | R424 | 1-249-430-11 | CARBON | 12K | 5% | 1/4W | |
| R367 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W | | R431 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W | |
| R368 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W | | R432 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W | |
| R369 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W | | R433 | 1-249-418-11 | CARBON | 1.2K | 5% | 1/4W | |
| R370 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W | | R434 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W | |
| R371 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W | | R435 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W | |
| R372 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W | | R436 | 1-249-418-11 | CARBON | 1.2K | 5% | 1/4W | |
| R373 | 1-247-889-00 | CARBON | 270K | 5% | 1/4W | | R437 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W | |
| R374 | 1-247-897-11 | CARBON | 560K | 5% | 1/4W | | R438 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W | |
| R375 | 1-249-434-11 | CARBON | 27K | 5% | 1/4W | | R439 | 1-249-418-11 | CARBON | 1.2K | 5% | 1/4W | |
| R376 | 1-249-434-11 | CARBON | 27K | 5% | 1/4W | | R440 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W | |
| R377 | 1-249-439-11 | CARBON | 68K | 5% | 1/4W | | R441 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W | |
| R378 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | | R442 | 1-249-418-11 | CARBON | 1.2K | 5% | 1/4W | |
| R379 | 1-249-405-11 | CARBON | 100 | 5% | 1/4W | | R443 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W | |
| R380 | 1-249-436-11 | CARBON | 39K | 5% | 1/4W | | R444 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W | |
| R381 | 1-249-440-11 | CARBON | 82K | 5% | 1/4W | | R445 | 1-249-418-11 | CARBON | 1.2K | 5% | 1/4W | |
| R382 | 1-249-439-11 | CARBON | 68K | 5% | 1/4W | | R446 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W | |
| R383 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | | R447 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W | |
| R384 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | | R448 | 1-249-418-11 | CARBON | 1.2K | 5% | 1/4W | |
| R386 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | | R451 | 1-249-430-11 | CARBON | 12K | 5% | 1/4W | |
| R387 | 1-249-432-11 | CARBON | 18K | 5% | 1/4W | | R452 | 1-249-439-11 | CARBON | 68K | 5% | 1/4W | |
| R388 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | | R453 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R389 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W | | R454 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W | |
| R390 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | | R455 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W | |



When indicating parts by reference number, please include the board name.

Note: The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

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| Ref.No | Part No. | Description | Remark | Ref.No | Part No. | Description | Remark |
|--------|---------------|-------------|--------------|--------------------------|--------------|-----------------------------------|--------------|
| R456 | 1-249-433-11 | CARBON | 22K 5% 1/4W | R532 | 1-249-438-11 | CARBON | 56K 5% 1/4W |
| R457 | △1-207-620-00 | METAL OXIDE | 1 5% 3W | R533 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W |
| R458 | 1-249-405-11 | CARBON | 100 5% 1/4W | R534 | 1-249-410-11 | CARBON | 270 5% 1/4W |
| R459 | 1-249-405-11 | CARBON | 100 5% 1/4W | R535 | 1-249-435-11 | CARBON | 33K 5% 1/4W |
| R462 | 1-215-461-00 | METAL | 47K 1% 1/6W | R536 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| R463 | 1-215-447-00 | METAL | 12K 1% 1/6W | R537 | 1-249-413-11 | CARBON | 470 5% 1/4W |
| R464 | 1-215-461-00 | METAL | 47K 1% 1/6W | R539 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| R465 | 1-215-447-00 | METAL | 12K 1% 1/6W | R540 | 1-249-415-11 | CARBON | 680 5% 1/4W |
| R466 | 1-249-430-11 | CARBON | 12K 5% 1/4W | R550 | 1-249-434-11 | CARBON | 27K 5% 1/4W |
| R467 | 1-249-429-11 | CARBON | 10K 5% 1/4W | R551 | 1-249-433-11 | CARBON | 22K 5% 1/4W |
| R468 | 1-249-433-11 | CARBON | 22K 5% 1/4W | R552 | 1-249-433-11 | CARBON | 22K 5% 1/4W |
| R469 | 1-249-433-11 | CARBON | 22K 5% 1/4W | R591 | 1-249-433-11 | CARBON | 22K 5% 1/4W |
| R470 | 1-249-423-11 | CARBON | 3.3K 5% 1/4W | R601 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| R471 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R602 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| R472 | 1-249-423-11 | CARBON | 3.3K 5% 1/4W | R901 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| R473 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R902 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W |
| R474 | 1-249-429-11 | CARBON | 10K 5% 1/4W | R903 | 1-247-903-00 | CARBON | 1M 5% 1/4W |
| R481 | 1-249-433-11 | CARBON | 22K 5% 1/4W | R904 | 1-249-409-11 | CARBON | 220 5% 1/4W |
| R482 | 1-249-429-11 | CARBON | 10K 5% 1/4W | R905 | 1-249-409-11 | CARBON | 220 5% 1/4W |
| R484 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R906 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| R485 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R907 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| R486 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R908 | 1-249-426-11 | CARBON | 5.6K 5% 1/4W |
| R496 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R909 | 1-249-426-11 | CARBON | 5.6K 5% 1/4W |
| R497 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R910 | 1-249-433-11 | CARBON | 22K 5% 1/4W |
| R498 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R911 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| R499 | 1-249-432-11 | CARBON | 18K 5% 1/4W | R914 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| R501 | 1-249-441-11 | CARBON | 100K 5% 1/4W | R915 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| R502 | 1-249-441-11 | CARBON | 100K 5% 1/4W | R921 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| R503 | 1-249-429-11 | CARBON | 10K 5% 1/4W | R923 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| R504 | 1-249-429-11 | CARBON | 10K 5% 1/4W | R950 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W |
| R505 | 1-249-429-11 | CARBON | 10K 5% 1/4W | R951 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W |
| R506 | 1-249-439-11 | CARBON | 68K 5% 1/4W | R952 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W |
| R507 | 1-249-429-11 | CARBON | 10K 5% 1/4W | R953 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W |
| R508 | 1-247-885-00 | CARBON | 180K 5% 1/4W | R954 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W |
| R509 | 1-249-440-11 | CARBON | 82K 5% 1/4W | | | | |
| R510 | 1-249-429-11 | CARBON | 10K 5% 1/4W | <u>VARIABLE RESISTOR</u> | | | |
| R511 | 1-249-401-11 | CARBON | 47 5% 1/4W | RV002 | 1-228-993-00 | RES, ADJ, CARBON 4.7K (LDP-3600D) | |
| R512 | 1-249-429-11 | CARBON | 10K 5% 1/4W | RV003 | 1-228-989-00 | RES, ADJ, CARBON 470 (LDP-3600D) | |
| R513 | 1-249-417-11 | CARBON | 1K 5% 1/4W | RV004 | 1-228-991-00 | RES, ADJ, CARBON 2.2K | |
| R514 | 1-249-441-11 | CARBON | 100K 5% 1/4W | RV005 | 1-228-994-00 | RES, ADJ, CARBON 10K | |
| R515 | 1-249-429-11 | CARBON | 10K 5% 1/4W | RV006 | 1-228-989-00 | RES, ADJ, CARBON 470 | |
| R516 | 1-249-417-11 | CARBON | 1K 5% 1/4W | RV101 | 1-228-996-00 | RES, ADJ, CARBON 47K | |
| R517 | 1-249-418-11 | CARBON | 1.2K 5% 1/4W | RV201 | 1-228-993-00 | RES, ADJ, CARBON 4.7K | |
| R518 | 1-247-889-00 | CARBON | 270K 5% 1/4W | RV300 | 1-228-995-00 | RES, ADJ, CARBON 22K | |
| R519 | 1-249-418-11 | CARBON | 1.2K 5% 1/4W | RV301 | 1-228-990-00 | RES, ADJ, CARBON 1K | |
| R520 | 1-249-405-11 | CARBON | 100 5% 1/4W | RV302 | 1-228-996-00 | RES, ADJ, CARBON 47K | |
| R521 | 1-249-393-11 | CARBON | 10 5% 1/4W | RV303 | 1-228-995-00 | RES, ADJ, CARBON 22K | |
| R522 | 1-249-418-11 | CARBON | 1.2K 5% 1/4W | RV304 | 1-228-994-00 | RES, ADJ, CARBON 10K | |
| R523 | 1-247-883-00 | CARBON | 150K 5% 1/4W | RV306 | 1-228-993-00 | RES, ADJ, CARBON 4.7K | |
| R524 | 1-249-401-11 | CARBON | 47 5% 1/4W | | | | |
| R528 | 1-249-433-11 | CARBON | 22K 5% 1/4W | <u>CRYSTAL</u> | | | |
| R530 | 1-249-429-11 | CARBON | 10K 5% 1/4W | X901 | 1-567-152-00 | OSCILLATOR, CERAMIC (4MHz) | |
| R531 | 1-249-436-11 | CARBON | 39K 5% 1/4W | X902 | 1-567-889-11 | VIBRATOR, CRYSTAL (1.843MHz) | |

When indicating parts by reference number, please include the board name.

Note: The components identified by mark  or dotted line with mark  are critical for safety. Replace only with part number specified.

| Ref.No | Part No. | Description | Remark | Ref.No | Part No. | Description | Remark |
|-------------------------|---|--|-----------------|--------|--------------|-------------|------------------------------|
| *A-6421-315-A | AV-06 (D) BOARD, COMPLETE ***** (LDP-3600D: AEP/UK) | | | C135 | 1-124-791-11 | ELECT | 1MF 20% 50V |
| | | | | C136 | 1-124-477-11 | ELECT | 47MF 20% 16V |
| | | | | C137 | 1-130-479-00 | MYLAR | 0.0047MF 5% 50V |
| | | | | C138 | 1-131-367-00 | TANTALUM | 22MF 10% 16V |
| *A-6421-320-A | AV-06 (P) BOARD, COMPLETE (LDP-3300P) ***** | | | C139 | 1-124-477-11 | ELECT | 47MF 20% 16V |
| *A-6421-435-A | AV-06 (U) BOARD, COMPLETE (Ref.No 2,000 Series) ***** (LDP-3600D: US) | | | C140 | 1-124-477-11 | ELECT | 47MF 20% 16V |
| | | | | C141 | 1-124-477-11 | ELECT | 47MF 20% 16V |
| | | | | C142 | 1-124-477-11 | ELECT | 47MF 20% 16V |
| | | | | C143 | 1-124-477-11 | ELECT | 47MF 20% 16V |
| | | | | C144 | 1-124-477-11 | ELECT | 47MF 20% 16V |
| <u>BAND PASS FILTER</u> | | | | C145 | 1-130-487-00 | MYLAR | 0.022MF 5% 50V |
| BPF201 | 1-235-805-11 | FILTER, BAND PASS (684KHz) | | C146 | 1-130-477-00 | MYLAR | 0.0033MF 5% 50V |
| BPF202 | 1-235-806-11 | FILTER, BAND PASS (1.066MHz) | | C147 | 1-130-469-00 | MYLAR | 680PF 5% 50V (LDP-3600D) |
| BPF301 | 1-235-925-11 | FILTER, BAND PASS (2.3MHZ) (LDP-3600D) | | C148 | 1-162-477-11 | ELECT | 47MF 20% 16V |
| BPF302 | 1-235-926-11 | FILTER, BAND PASS (2.8MHZ) (LDP-3600D) | | C149 | 1-124-477-11 | ELECT | 47MF 20% 16V |
| <u>CAPACITOR</u> | | | | C150 | 1-130-483-00 | MYLAR | 0.01MF 5% 50V |
| C001 | 1-161-494-00 | CERAMIC | 0.022MF 25V | C151 | 1-161-329-00 | CERAMIC | 0.0068MF 20% 16V |
| C002 | 1-161-494-00 | CERAMIC | 0.022MF 25V | C152 | 1-161-329-00 | CERAMIC | 0.0068MF 20% 16V |
| C003 | 1-161-494-00 | CERAMIC | 0.022MF 25V | C153 | 1-162-211-31 | CERAMIC | 33PF 5% 50V |
| C101 | 1-130-495-00 | MYLAR | 0.1MF 5% 50V | C154 | 1-162-211-31 | CERAMIC | 33PF 5% 50V |
| C102 | 1-102-965-00 | CERAMIC | 39PF 5% 50V | C155 | 1-161-329-00 | CERAMIC | 0.0068MF 20% 16V |
| C103 | 1-162-211-31 | CERAMIC | 33PF 5% 50V | C160 | 1-102-074-00 | CERAMIC | 0.001MF 10% 50V (LDP-3600D) |
| C105 | 1-124-477-11 | ELECT | 47MF 20% 16V | C161 | 1-102-074-00 | CERAMIC | 0.001MF 10% 50V (LDP-3600D) |
| C106 | 1-124-477-11 | ELECT | 47MF 20% 16V | C190 | 1-161-494-00 | CERAMIC | 0.022MF 25V |
| C107 | 1-124-477-11 | ELECT | 47MF 20% 16V | C191 | 1-161-494-00 | CERAMIC | 0.022MF 25V |
| C108 | 1-124-477-11 | ELECT | 47MF 20% 16V | C192 | 1-161-494-00 | CERAMIC | 0.022MF 25V |
| C109 | 1-124-477-11 | ELECT | 47MF 20% 16V | C193 | 1-161-494-00 | CERAMIC | 0.022MF 25V |
| C110 | 1-124-477-11 | ELECT | 47MF 20% 16V | C194 | 1-161-494-00 | CERAMIC | 0.022MF 25V |
| C111 | 1-102-951-00 | CERAMIC | 15PF 5% 50V | C195 | 1-161-494-00 | CERAMIC | 0.022MF 25V |
| C112 | 1-162-207-31 | CERAMIC | 22PF 5% 50V | C196 | 1-161-494-00 | CERAMIC | 0.022MF 25V |
| C113 | 1-124-477-11 | ELECT | 47MF 20% 16V | C197 | 1-161-494-00 | CERAMIC | 0.022MF 25V |
| C114 | 1-130-479-00 | MYLAR | 0.0047MF 5% 50V | C198 | 1-161-494-00 | CERAMIC | 0.022MF 25V |
| C115 | 1-130-481-00 | MYLAR | 0.0068MF 5% 50V | C201 | 1-162-284-31 | CERAMIC | 150PF 10% 50V |
| C116 | 1-130-481-00 | MYLAR | 0.0068MF 5% 50V | C202 | 1-162-288-31 | CERAMIC | 330PF 10% 50V |
| C117 | 1-162-215-31 | CERAMIC | 47PF 5% 50V | C203 | 1-162-284-31 | CERAMIC | 150PF 10% 50V |
| C118 | 1-102-978-00 | CERAMIC | 220PF 5% 50V | C204 | 1-161-329-00 | CERAMIC | 0.0068MF 20% 16V |
| C119 | 1-162-215-31 | CERAMIC | 47PF 5% 50V | C205 | 1-124-477-11 | ELECT | 47MF 20% 16V |
| C120 | 1-162-215-31 | CERAMIC | 47PF 5% 50V | C206 | 1-124-477-11 | ELECT | 47MF 20% 16V |
| C121 | 1-124-477-11 | ELECT | 47MF 20% 16V | C207 | 1-161-379-00 | CERAMIC | 0.01MF 30% 16V |
| C122 | 1-130-483-00 | MYLAR | 0.01MF 5% 50V | C208 | 1-161-329-00 | CERAMIC | 0.0068MF 20% 16V |
| C123 | 1-130-483-00 | MYLAR | 0.01MF 5% 50V | C209 | 1-124-477-11 | ELECT | 47MF 20% 16V |
| C124 | 1-130-477-00 | MYLAR | 0.0033MF 5% 50V | C210 | 1-161-329-00 | CERAMIC | 0.0068MF 20% 16V (LDP-3600D) |
| C125 | 1-130-483-00 | MYLAR | 0.01MF 5% 50V | C213 | 1-161-494-00 | CERAMIC | 0.022MF 25V |
| C126 | 1-102-973-00 | CERAMIC | 100PF 5% 50V | C214 | 1-161-494-00 | CERAMIC | 0.022MF 25V |
| C127 | 1-101-004-00 | CERAMIC | 0.01MF 50V | C215 | 1-161-494-00 | CERAMIC | 0.022MF 25V |
| C128 | 1-130-481-00 | MYLAR | 0.0068MF 5% 50V | C216 | 1-161-494-00 | CERAMIC | 0.022MF 25V |
| C129 | 1-102-973-00 | CERAMIC | 100PF 5% 50V | C217 | 1-162-211-31 | CERAMIC | 33PF 5% 50V |
| C130 | 1-102-978-00 | CERAMIC | 220PF 5% 50V | C218 | 1-162-288-31 | CERAMIC | 330PF 10% 50V |
| C131 | 1-102-978-00 | CERAMIC | 220PF 5% 50V | C219 | 1-161-379-00 | CERAMIC | 0.01MF 30% 16V |
| C132 | 1-130-479-00 | MYLAR | 0.0047MF 5% 50V | C220 | 1-162-293-31 | CERAMIC | 820PF 10% 50V |
| C133 | 1-130-479-00 | MYLAR | 0.0047MF 5% 50V | C221 | 1-126-176-11 | ELECT | 220MF 20% 10V |
| C134 | 1-130-495-00 | MYLAR | 0.1MF 5% 50V | C222 | 1-130-473-00 | MYLAR | 0.0015MF 5% 50V |
| | | | | C223 | 1-162-287-31 | CERAMIC | 270PF 10% 50V |

When indicating parts by reference number, please include the board name.

AV-06

| Ref.No | Part No. | Description | Remark | Ref.No | Part No. | Description | Remark |
|--------|--------------|-------------|------------------------------|--------|--------------|-------------|--------------------------|
| C225 | 1-130-478-00 | MYLAR | 0.0039MF 5% 50V | C601 | 1-162-199-31 | CERAMIC | 10PF 5% 50V |
| C226 | 1-130-478-00 | MYLAR | 0.0039MF 5% 50V | C602 | 1-162-199-31 | CERAMIC | 10PF 5% 50V |
| C227 | 1-126-233-11 | ELECT | 22MF 20% 25V | C604 | 1-102-127-00 | CERAMIC | 0.0068MF 10% 50V |
| C228 | 1-102-978-00 | CERAMIC | 220PF 5% 50V | C605 | 1-102-127-00 | CERAMIC | 0.0068MF 10% 50V |
| C229 | 1-161-377-00 | CERAMIC | 0.0047MF 30% 16V | C606 | 1-102-127-00 | CERAMIC | 0.0068MF 10% 50V |
| C230 | 1-124-927-11 | ELECT | 4.7MF 20% 50V | C607 | 1-124-477-11 | ELECT | 47MF 20% 16V |
| C231 | 1-161-494-00 | CERAMIC | 0.022MF 25V | C608 | 1-130-472-00 | MYLAR | 0.0012MF 5% 50V |
| C232 | 1-161-494-00 | CERAMIC | 0.022MF 25V | C609 | 1-126-529-11 | ELECT | 0.47MF 20% 50V |
| C233 | 1-162-207-31 | CERAMIC | 22PF 5% 50V | C610 | 1-126-529-11 | ELECT | 0.47MF 20% 50V |
| C234 | 1-126-176-11 | ELECT | 220MF 20% 10V | C611 | 1-124-477-11 | ELECT | 47MF 20% 16V |
| C235 | 1-161-379-00 | CERAMIC | 0.01MF 30% 16V | C612 | 1-124-477-11 | ELECT | 47MF 20% 16V |
| C236 | 1-162-282-31 | CERAMIC | 100PF 10% 50V | C614 | 1-126-529-11 | ELECT | 0.47MF 20% 50V |
| C237 | 1-162-290-31 | CERAMIC | 470PF 10% 50V | C615 | 1-126-529-11 | ELECT | 0.47MF 20% 50V |
| C238 | 1-126-176-11 | ELECT | 220MF 20% 10V | C616 | 1-161-494-00 | CERAMIC | 0.022MF 25V |
| C240 | 1-130-478-00 | MYLAR | 0.0039MF 5% 50V | C701 | 1-130-487-00 | MYLAR | 0.022MF 5% 50V |
| C241 | 1-130-478-00 | MYLAR | 0.0039MF 5% 50V | C702 | 1-126-157-11 | ELECT | 10MF 20% 16V |
| C242 | 1-126-233-11 | ELECT | 22MF 20% 25V | C703 | 1-102-951-00 | CERAMIC | 15PF 5% 50V |
| C243 | 1-102-978-00 | CERAMIC | 220PF 5% 50V | C704 | 1-162-219-31 | CERAMIC | 68PF 5% 50V |
| C244 | 1-161-377-00 | CERAMIC | 0.0047MF 30% 16V | C705 | 1-102-961-00 | CERAMIC | 27PF 5% 50V |
| C245 | 1-130-473-00 | MYLAR | 0.0015MF 5% 50V | C706 | 1-162-219-31 | CERAMIC | 68PF 5% 50V |
| C246 | 1-162-287-31 | CERAMIC | 270PF 10% 50V | C707 | 1-130-495-00 | MYLAR | 0.1MF 5% 50V |
| C247 | 1-126-176-11 | ELECT | 220MF 20% 10V | C708 | 1-130-483-00 | MYLAR | 0.01MF 5% 50V |
| C248 | 1-130-489-00 | MYLAR | 0.033MF 5% 50V | C709 | 1-124-463-00 | ELECT | 0.1MF 20% 50V |
| C249 | 1-126-233-11 | ELECT | 22MF 20% 25V | C710 | 1-124-477-11 | ELECT | 47MF 20% 16V |
| C250 | 1-126-233-11 | ELECT | 22MF 20% 25V | C711 | 1-130-475-00 | MYLAR | 0.0022MF 5% 50V |
| C251 | 1-130-489-00 | MYLAR | 0.033MF 5% 50V | C712 | 1-130-475-00 | MYLAR | 0.0022MF 5% 50V |
| C252 | 1-130-493-00 | MYLAR | 0.068MF 5% 50V | C713 | 1-162-193-31 | CERAMIC | 3.3PF 10% 50V |
| C253 | 1-126-176-11 | ELECT | 220MF 20% 10V | C714 | 1-102-816-00 | CERAMIC | 120PF 5% 50V |
| C254 | 1-124-927-11 | ELECT | 4.7MF 20% 50V | C715 | 1-102-961-00 | CERAMIC | 27PF 5% 50V |
| C255 | 1-130-493-00 | MYLAR | 0.068MF 5% 50V | C716 | 1-126-157-11 | ELECT | 10MF 20% 16V |
| C256 | 1-124-902-00 | ELECT | 0.47MF 20% 50V | C717 | 1-130-483-00 | MYLAR | 0.01MF 5% 50V |
| C257 | 1-130-495-00 | MYLAR | 0.1MF 5% 50V | C718 | 1-102-949-00 | CERAMIC | 12PF 5% 50V |
| C258 | 1-126-233-11 | ELECT | 22MF 20% 25V | C719 | 1-102-961-00 | CERAMIC | 27PF 5% 50V |
| C259 | 1-126-176-11 | ELECT | 220MF 20% 10V | C720 | 1-162-207-31 | CERAMIC | 22PF 5% 50V |
| C260 | 1-126-529-11 | ELECT | 0.47MF 20% 50V | C721 | 1-102-973-00 | CERAMIC | 100PF 5% 50V |
| C261 | 1-124-766-00 | ELECT | 0.1MF 20% 50V | C722 | 1-162-211-31 | CERAMIC | 33PF 5% 50V |
| C262 | 1-124-766-00 | ELECT | 0.1MF 20% 50V | C723 | 1-124-477-11 | ELECT | 47MF 20% 16V |
| C263 | 1-124-927-11 | ELECT | 4.7MF 20% 50V | C724 | 1-124-477-11 | ELECT | 47MF 20% 16V |
| C264 | 1-126-529-11 | ELECT | 0.47MF 20% 50V | C725 | 1-102-951-00 | CERAMIC | 15PF 5% 50V |
| C265 | 1-124-766-00 | ELECT | 0.1MF 20% 50V | C726 | 1-102-973-00 | CERAMIC | 100PF 5% 50V |
| C266 | 1-124-766-00 | ELECT | 0.1MF 20% 50V | C727 | 1-102-971-00 | CERAMIC | 82PF 5% 50V |
| C267 | 1-124-927-11 | ELECT | 4.7MF 20% 50V | C728 | 1-124-477-11 | ELECT | 47MF 20% 16V |
| C268 | 1-124-268-00 | ELECT | 0.22MF 20% 50V | C729 | 1-124-477-11 | ELECT | 47MF 20% 16V |
| C269 | 1-124-902-00 | ELECT | 0.47MF 20% 50V | C730 | 1-102-965-00 | CERAMIC | 39PF 5% 50V |
| C270 | 1-124-478-11 | ELECT | 100MF 20% 25V | C731 | 1-102-978-00 | CERAMIC | 220PF 5% 50V |
| C301 | 1-102-979-00 | CERAMIC | 240PF 5% 50V (LDP-3600D) | C732 | 1-130-475-00 | MYLAR | 0.0022MF 5% 50V |
| C302 | 1-102-979-00 | CERAMIC | 240PF 5% 50V (LDP-3600D) | C733 | 1-102-824-00 | CERAMIC | 47PF 5% 50V |
| C303 | 1-162-205-31 | CERAMIC | 18PF 5% 50V (LDP-3600D) | C734 | 1-124-477-11 | ELECT | 47MF 20% 16V (LDP-3600D) |
| C304 | 1-162-198-31 | CERAMIC | 8.2PF 10% 50V (LDP-3600D) | C735 | 1-124-477-11 | ELECT | 47MF 20% 16V (LDP-3600D) |
| C305 | 1-162-207-31 | CERAMIC | 22PF 5% 50V (LDP-3600D) | C736 | 1-124-477-11 | ELECT | 47MF 20% 16V |
| C306 | 1-162-217-31 | CERAMIC | 56PF 5% 50V (LDP-3600D) | C737 | 1-124-477-11 | ELECT | 47MF 20% 16V |
| C307 | 1-162-207-31 | CERAMIC | 22PF 5% 50V (LDP-3600D) | C738 | 1-124-477-11 | ELECT | 47MF 20% 16V |
| C308 | 1-161-329-00 | CERAMIC | 0.0068MF 20% 16V (LDP-3600D) | C739 | 1-124-477-11 | ELECT | 47MF 20% 16V |

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| Ref.No | Part No. | Description | Remark | Ref.No | Part No. | Description | Remark |
|--------|--------------|-------------|------------------------------|------------------|---------------|-------------------------------|-----------------------|
| C740 | 1-124-477-11 | ELECT | 47MF 20% 16V | C906 | 1-102-965-00 | CERAMIC | 39PF 5% 50V |
| C741 | 1-162-199-31 | CERAMIC | 10PF 5% 50V | C907 | 1-102-127-00 | CERAMIC | 0.0068MF 10% 50V |
| C742 | 1-124-791-11 | ELECT | 1MF 20% 50V | C908 | 1-130-475-00 | MYLAR | 0.0022MF 5% 50V |
| C743 | 1-102-971-00 | CERAMIC | 82PF 5% 50V | C909 | 1-130-467-00 | MYLAR | 470PF 5% 50V |
| C744 | 1-102-127-00 | CERAMIC | 0.0068MF 10% 50V | C910 | 1-107-075-00 | MICA | 39PF 5% 50V |
| C745 | 1-102-127-00 | CERAMIC | 0.0068MF 10% 50V | C911 | 1-107-165-00 | MICA | 56PF 5% 50V |
| C746 | 1-124-477-11 | ELECT | 47MF 20% 16V | C912 | 1-130-487-00 | MYLAR | 0.022MF 5% 50V |
| C747 | 1-131-367-00 | TANTALUM | 22MF 10% 16V | C913 | 1-162-207-31 | CERAMIC | 22PF 5% 50V |
| C748 | 1-124-477-11 | ELECT | 47MF 20% 16V | C914 | 1-124-477-11 | ELECT | 47MF 20% 16V |
| C749 | 1-102-074-00 | CERAMIC | 0.001MF 10% 50V | C916 | 1-126-101-11 | ELECT | 100MF 20% 16V |
| C751 | 1-124-477-11 | ELECT | 47MF 20% 16V (LDP-3600D) | C917 | 1-124-927-11 | ELECT | 4.7MF 20% 50V |
| C752 | 1-101-006-00 | CERAMIC | 0.047MF 50V (LDP-3600D) | C918 | 1-124-477-11 | ELECT | 47MF 20% 16V |
| C753 | 1-101-884-00 | CERAMIC | 56PF 5% 50V (LDP-3600D) | C923 | 1-124-477-11 | ELECT | 47MF 20% 16V |
| C754 | 1-102-973-00 | CERAMIC | 100PF 5% 50V (LDP-3600D) | C924 | 1-124-477-11 | ELECT | 47MF 20% 16V |
| C755 | 1-102-123-00 | CERAMIC | 0.0033MF 10% 50V (LDP-3600D) | C925 | 1-124-477-11 | ELECT | 47MF 20% 16V |
| C756 | 1-126-101-11 | ELECT | 100MF 20% 16V (LDP-3600D) | C926 | 1-124-477-11 | ELECT | 47MF 20% 16V |
| C757 | 1-101-006-00 | CERAMIC | 0.047MF 50V (LDP-3600D) | C927 | 1-102-127-00 | CERAMIC | 0.0068MF 10% 50V |
| C758 | 1-102-074-00 | CERAMIC | 0.001MF 10% 50V (LDP-3600D) | C929 | 1-130-471-00 | MYLAR | 0.001MF 5% 50V |
| C759 | 1-124-477-11 | ELECT | 47MF 20% 16V (LDP-3600D) | C930 | 1-124-477-11 | ELECT | 47MF 20% 16V |
| C760 | 1-102-961-00 | CERAMIC | 27PF 5% 50V (LDP-3600D) | C940 | 1-162-217-31 | CERAMIC | 56PF 5% 50V |
| C761 | 1-162-215-31 | CERAMIC | 47PF 5% 50V (LDP-3600D) | C941 | 1-102-129-00 | CERAMIC | 0.01MF 10% 50V |
| C762 | 1-102-973-00 | CERAMIC | 100PF 5% 50V (LDP-3600D) | <u>FILTER</u> | | | |
| C763 | 1-162-211-31 | CERAMIC | 33PF 5% 50V (LDP-3600D) | CF101 | 1-567-657-11 | FILTER, CERAMIC (SFS-MC TYPE) | (3.75MHz) |
| C764 | 1-102-119-00 | CERAMIC | 0.0015MF 10% 50V (LDP-3600D) | CF102 | 1-527-604-00 | FILTER, CERAMIC | (3.58MHz) (LDP-3600D) |
| C765 | 1-102-978-00 | CERAMIC | 220PF 5% 50V (LDP-3600D) | <u>CONNECTOR</u> | | | |
| C768 | 1-101-006-00 | CERAMIC | 0.047MF 50V (LDP-3600D) | CN001 | 1-506-476-11 | PIN, CONNECTOR | 11P |
| C769 | 1-101-006-00 | CERAMIC | 0.047MF 50V (LDP-3600D) | CN003 | 1-506-467-11 | PIN, CONNECTOR | 2P |
| C770 | 1-124-477-11 | ELECT | 47MF 20% 16V (LDP-3600D) | CN004 | 1-506-467-11 | PIN, CONNECTOR | 2P |
| C771 | 1-102-973-00 | CERAMIC | 100PF 5% 50V (LDP-3600D) | CN005 | 1-506-471-11 | PIN, CONNECTOR | 6P |
| C772 | 1-102-961-00 | CERAMIC | 27PF 5% 50V (LDP-3600D) | CN006 | 1-506-467-11 | PIN, CONNECTOR | 2P |
| C773 | 1-102-129-00 | CERAMIC | 0.01MF 10% 50V (LDP-3600D) | CN007 | *1-560-896-00 | PIN, CONNECTOR | 8P |
| C774 | 1-102-820-00 | CERAMIC | 330PF 5% 50V (LDP-3600D) | CN010 | 1-506-470-11 | PIN, CONNECTOR | 5P |
| C775 | 1-123-875-11 | ELECT | 10MF 20% 50V (LDP-3600D) | CN201 | 1-506-467-11 | PIN, CONNECTOR | 2P |
| C776 | 1-124-477-11 | ELECT | 47MF 20% 16V (LDP-3600D) | CN202 | 1-506-469-11 | PIN, CONNECTOR | 4P |
| C779 | 1-124-477-11 | ELECT | 47MF 20% 16V (LDP-3600D) | CN203 | 1-506-470-11 | PIN, CONNECTOR | 5P |
| C780 | 1-162-215-31 | CERAMIC | 47PF 5% 50V (LDP-3600D) | CN204 | 1-506-468-11 | PIN, CONNECTOR | 3P |
| C783 | 1-124-791-11 | ELECT | 1MF 20% 50V (LDP-3600D) | CN206 | 1-506-473-11 | PIN, CONNECTOR | 8P (LDP-3600D) |
| C784 | 1-102-973-00 | CERAMIC | 100PF 5% 50V (LDP-3600D) | <u>TRIMMER</u> | | | |
| C799 | 1-124-768-11 | ELECT | 4.7MF 20% 50V | CT901 | 1-141-304-21 | TRIMMER, CERAMIC | |
| C801 | 1-124-477-11 | ELECT | 47MF 20% 16V | CT902 | 1-141-227-00 | CAP, CERAMIC TRIMMER | |
| C802 | 1-101-006-00 | CERAMIC | 0.047MF 50V | <u>DIODE</u> | | | |
| C803 | 1-162-211-31 | CERAMIC | 33PF 5% 50V | D101 | 8-719-911-19 | DIODE | 1SS119 |
| C804 | 1-101-006-00 | CERAMIC | 0.047MF 50V | D201 | 8-719-911-19 | DIODE | 1SS119 |
| C805 | 1-101-006-00 | CERAMIC | 0.047MF 50V | D202 | 8-719-911-19 | DIODE | 1SS119 |
| C806 | 1-123-875-11 | ELECT | 10MF 20% 50V | D203 | 8-719-911-19 | DIODE | 1SS119 |
| C809 | 1-124-119-00 | ELECT | 330MF 20% 16V | D204 | 8-719-911-19 | DIODE | 1SS119 |
| C810 | 1-126-157-11 | ELECT | 10MF 20% 16V | D601 | 8-719-911-19 | DIODE | 1SS119 |
| C814 | 1-131-367-00 | TANTALUM | 22MF 10% 16V | D602 | 8-719-911-19 | DIODE | 1SS119 |
| C901 | 1-109-542-00 | MICA | 220PF 5% 50V | | | | |
| C902 | 1-102-951-00 | CERAMIC | 15PF 5% 50V | | | | |
| C903 | 1-124-477-11 | ELECT | 47MF 20% 16V | | | | |
| C904 | 1-130-475-00 | MYLAR | 0.0022MF 5% 50V | | | | |
| C905 | 1-109-542-00 | MICA | 220PF 5% 50V | | | | |

When indicating parts by reference number, please include the board name.

| Ref.No | Part No. | Description | Remark | Ref.No | Part No. | Description | Remark |
|---------------|--------------|----------------------------------|--------|--------|--------------|-------------|-------------------|
| D751 | 8-719-907-19 | DIODE FC52M-5 (LDP-3600D) | | L107 | 1-410-521-11 | INDUCTOR | 100UH |
| D752 | 8-719-911-19 | DIODE 1SS119 (LDP-3600D) | | L108 | 1-410-521-11 | INDUCTOR | 100UH |
| D753 | 8-719-911-19 | DIODE 1SS119 (LDP-3600D) | | L109 | 1-410-521-11 | INDUCTOR | 100UH |
| D801 | 8-719-911-19 | DIODE 1SS119 | | L110 | 1-410-521-11 | INDUCTOR | 100UH |
| D901 | 8-719-911-19 | DIODE 1SS119 | | L111 | 1-410-521-11 | INDUCTOR | 100UH |
| D902 | 8-719-911-19 | DIODE 1SS119 | | L112 | 1-410-521-11 | INDUCTOR | 100UH |
| D904 | 8-719-911-19 | DIODE 1SS119 | | L113 | 1-410-521-11 | INDUCTOR | 100UH |
| D906 | 8-719-907-19 | DIODE FC52M-5 | | L114 | 1-410-515-11 | INDUCTOR | 33UH |
| D907 | 8-719-911-19 | DIODE 1SS119 | | L201 | 1-408-420-00 | INDUCTOR | 82UH |
| D908 | 8-719-911-19 | DIODE 1SS119 | | L202 | 1-408-420-00 | INDUCTOR | 82UH |
| <u>FILTER</u> | | | | L205 | 1-410-677-31 | INDUCTOR | 180UH |
| FL101 | 1-236-263-11 | FILTER, LOW PASS | | L206 | 1-407-500-00 | INDUCTOR | 4.7MMH |
| FL801 | 1-409-431-11 | COIL, TRAP (3.58MHz) (LDP-3600D) | | L207 | 1-407-503-00 | INDUCTOR | 8.2MMH |
| FL802 | 1-409-447-11 | COIL, TRAP (4.43MHz) | | L208 | 1-408-425-00 | INDUCTOR | 220UH |
| <u>IC</u> | | | | L209 | 1-407-500-00 | INDUCTOR | 4.7MMH |
| IC101 | 8-752-320-31 | IC CXL1004P | | L210 | 1-407-503-00 | INDUCTOR | 8.2MMH |
| IC102 | 8-759-950-07 | IC SN75107BN | | L301 | 1-408-425-00 | INDUCTOR | 220UH (LDP-3600D) |
| IC103 | 8-752-030-44 | IC CXA1018S | | L302 | 1-408-417-00 | INDUCTOR | 47UH (LDP-3600D) |
| IC104 | 8-759-202-11 | IC TC74HC00P | | L311 | 1-408-417-00 | INDUCTOR | 47UH (LDP-3600D) |
| IC105 | 8-759-902-21 | IC SN74LS221N | | L312 | 1-408-421-00 | INDUCTOR | 100UH (LDP-3600D) |
| IC201 | 8-752-006-12 | IC CX20061 (LDP-3600D) | | L601 | 1-410-521-11 | INDUCTOR | 100UH |
| IC202 | 8-759-303-75 | IC HA12083NT | | L602 | 1-410-514-11 | INDUCTOR | 27UH |
| IC203 | 8-759-240-53 | IC TC4053BP (LDP-3600D) | | L702 | 1-410-519-11 | INDUCTOR | 68UH |
| IC204 | 8-759-302-81 | IC HA12043 | | L703 | 1-410-511-11 | INDUCTOR | 15UH |
| IC205 | 8-759-240-71 | IC TC4071BP (LDP-3600D) | | L704 | 1-410-517-11 | INDUCTOR | 47UH |
| IC601 | 8-759-943-90 | IC MB89010A-109 | | L705 | 1-410-515-11 | INDUCTOR | 33UH |
| IC602 | 8-759-902-21 | IC SN74LS221N | | L706 | 1-410-520-11 | INDUCTOR | 82UH |
| IC603 | 8-759-202-11 | IC TC74HC00P | | L709 | 1-410-517-11 | INDUCTOR | 47UH |
| IC604 | 8-759-927-56 | IC BA7021 | | L710 | 1-410-517-11 | INDUCTOR | 47UH |
| IC605 | 8-759-202-11 | IC TC74HC00P | | L711 | 1-410-521-11 | INDUCTOR | 100UH |
| IC701 | 8-752-006-12 | IC CX20061 | | L712 | 1-408-421-00 | INDUCTOR | 100UH |
| IC702 | 8-752-321-89 | IC CXL5003P | | L713 | 1-410-521-11 | INDUCTOR | 100UH |
| IC703 | 8-752-006-12 | IC CX20061 | | L714 | 1-408-421-00 | INDUCTOR | 100UH |
| IC704 | 8-752-006-12 | IC CX20061 (LDP-3600D) | | L715 | 1-410-521-11 | INDUCTOR | 100UH |
| IC751 | 8-759-202-24 | IC TC74HC86P (LDP-3600D) | | L716 | 1-410-521-11 | INDUCTOR | 100UH |
| IC752 | 8-759-902-21 | IC SN74LS221N (LDP-3600D) | | L717 | 1-410-521-11 | INDUCTOR | 100UH |
| IC753 | 8-759-945-58 | IC RC4558P (LDP-3600D) | | L718 | 1-410-512-11 | INDUCTOR | 18UH |
| IC801 | 8-759-927-56 | IC BA7021 | | L751 | 1-410-515-11 | INDUCTOR | 33UH (LDP-3600D) |
| IC901 | 8-759-207-28 | IC TC9015P | | L752 | 1-410-513-11 | INDUCTOR | 22UH (LDP-3600D) |
| IC902 | 8-759-938-56 | IC MB88201H-523M | | L753 | 1-410-519-11 | INDUCTOR | 68UH (LDP-3600D) |
| IC903 | 8-759-240-53 | IC TC4053BP | | L754 | 1-410-521-11 | INDUCTOR | 100UH (LDP-3600D) |
| IC904 | 8-759-202-74 | IC TC74HC04N | | L755 | 1-408-421-00 | INDUCTOR | 100UH (LDP-3600D) |
| IC906 | 8-759-245-55 | IC TC4555BP | | L757 | 1-410-521-11 | INDUCTOR | 100UH (LDP-3600D) |
| <u>COIL</u> | | | | L759 | 1-410-512-11 | INDUCTOR | 18UH (LDP-3600D) |
| L101 | 1-410-515-11 | INDUCTOR | 33UH | L801 | 1-408-421-00 | INDUCTOR | 100UH |
| L102 | 1-410-522-11 | INDUCTOR | 120UH | L901 | 1-410-520-11 | INDUCTOR | 82UH |
| L103 | 1-410-521-11 | INDUCTOR | 100UH | L902 | 1-410-520-11 | INDUCTOR | 82UH |
| L104 | 1-410-521-11 | INDUCTOR | 100UH | L903 | 1-408-421-00 | INDUCTOR | 100UH |
| L105 | 1-410-521-11 | INDUCTOR | 100UH | L904 | 1-408-421-00 | INDUCTOR | 100UH |
| L106 | 1-410-521-11 | INDUCTOR | 100UH | L905 | 1-410-521-11 | INDUCTOR | 100UH |
| | | | | L906 | 1-408-421-00 | INDUCTOR | 100UH |
| | | | | L910 | 1-410-521-11 | INDUCTOR | 100UH |

When indicating parts by reference number, please include the board name.

| Ref.No | Part No. | Description | Remark | Ref.No | Part No. | Description | Remark |
|-------------------|--------------|------------------------------------|--------|-----------------|--------------|------------------------------------|--------|
| <u>TRANSISTOR</u> | | | | | | | |
| Q101 | 8-729-139-96 | TRANSISTOR 2SC2785-HFE | | Q752 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE (LDP-3600D) | |
| Q102 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | Q753 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE (LDP-3600D) | |
| Q103 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | Q754 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE (LDP-3600D) | |
| Q104 | 8-729-119-78 | TRANSISTOR 2SA1175-HFE | | Q755 | 8-729-218-43 | TRANSISTOR 2SK184-GR (LDP-3600D) | |
| Q105 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | Q756 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE (LDP-3600D) | |
| Q106 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | Q757 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE (LDP-3600D) | |
| Q107 | 8-729-119-78 | TRANSISTOR 2SA1175-HFE | | Q758 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE (LDP-3600D) | |
| Q108 | 8-729-103-19 | TRANSISTOR 2SA1206-K1 | | Q759 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE (LDP-3600D) | |
| Q109 | 8-729-190-12 | TRANSISTOR 2SC2901-K | | Q760 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE (LDP-3600D) | |
| Q110 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | Q801 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q111 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | | Q802 | 8-729-900-36 | TRANSISTOR DTC124ES (LDP-3600D) | |
| Q112 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | Q803 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE (LDP-3600D) | |
| Q113 | 8-729-900-36 | TRANSISTOR DTC124ES | | Q804 | 8-729-119-78 | TRANSISTOR 2SA1175-HFE (LDP-3600D) | |
| Q114 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | Q805 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q115 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | Q806 | 8-729-658-32 | TRANSISTOR 2SC1583-G | |
| Q116 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | Q807 | 8-729-658-32 | TRANSISTOR 2SC1583-G | |
| Q117 | 8-729-900-63 | TRANSISTOR DTA124ES | | Q808 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q118 | 8-729-900-63 | TRANSISTOR DTA124ES | | Q809 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q119 | 8-729-900-80 | TRANSISTOR DTC114ES | | Q810 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q201 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | Q815 | 8-729-900-36 | TRANSISTOR DTC124ES | |
| Q202 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | Q901 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q203 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | Q902 | 8-729-900-36 | TRANSISTOR DTC124ES | |
| Q204 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | Q903 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q205 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | Q904 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q206 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | Q905 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q207 | 8-729-218-43 | TRANSISTOR 2SK184-GR | | Q906 | 8-729-900-36 | TRANSISTOR DTC124ES | |
| Q208 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | Q907 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q209 | 8-729-218-43 | TRANSISTOR 2SK184-GR | | Q908 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q210 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | Q910 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | |
| Q211 | 8-729-900-63 | TRANSISTOR DTA124ES | | Q913 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q301 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE (LDP-3600D) | | Q914 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | |
| Q601 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | Q915 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q701 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | <u>RESISTOR</u> | | | |
| Q702 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | | R101 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| Q703 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R102 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| Q704 | 8-729-218-43 | TRANSISTOR 2SK184-GR | | R103 | 1-247-903-00 | CARBON 1M 5% 1/4W | |
| Q705 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R104 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| Q706 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R105 | 1-249-413-11 | CARBON 470 5% 1/4W | |
| Q707 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R106 | 1-249-413-11 | CARBON 470 5% 1/4W | |
| Q708 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R107 | 1-249-421-11 | CARBON 2.2K 5% 1/4W | |
| Q709 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R108 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| Q710 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R109 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| Q711 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | | R110 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| Q712 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R111 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| Q713 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R112 | 1-249-420-11 | CARBON 1.8K 5% 1/4W | |
| Q714 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R113 | 1-249-420-11 | CARBON 1.8K 5% 1/4W | |
| Q715 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R114 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| Q716 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R115 | 1-249-419-11 | CARBON 1.5K 5% 1/4W | |
| Q717 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R116 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| Q718 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | | R117 | 1-249-421-11 | CARBON 2.2K 5% 1/4W | |
| Q751 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE (LDP-3600D) | | R118 | 1-249-413-11 | CARBON 470 5% 1/4W | |
| | | | | R119 | 1-249-415-11 | CARBON 680 5% 1/4W | |

When indicating parts by reference number, please include the board name.

AV-06

| Ref.No | Part No. | Description | Remark | Ref.No | Part No. | Description | Remark |
|--------|--------------|-------------|--------------|--------|--------------|-------------|--------------|
| R120 | 1-249-423-11 | CARBON | 3.3K 5% 1/4W | R208 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W |
| R121 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R209 | 1-249-405-11 | CARBON | 100 5% 1/4W |
| R122 | 1-249-405-11 | CARBON | 100 5% 1/4W | R210 | 1-249-416-11 | CARBON | 820 5% 1/4W |
| R123 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W | R211 | 1-249-416-11 | CARBON | 820 5% 1/4W |
| R126 | 1-249-441-11 | CARBON | 100K 5% 1/4W | R212 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| R127 | 1-249-437-11 | CARBON | 47K 5% 1/4W | R213 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| R128 | 1-249-436-11 | CARBON | 39K 5% 1/4W | R214 | 1-249-416-11 | CARBON | 820 5% 1/4W |
| R129 | 1-249-441-11 | CARBON | 100K 5% 1/4W | R215 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W |
| R130 | 1-249-440-11 | CARBON | 82K 5% 1/4W | R216 | 1-249-419-11 | CARBON | 1.5K 5% 1/4W |
| R131 | 1-247-895-00 | CARBON | 470K 5% 1/4W | R217 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| R132 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W | R218 | 1-210-821-00 | CARBON | 2.2M 5% 1/4W |
| R133 | 1-249-441-11 | CARBON | 100K 5% 1/4W | R219 | 1-249-413-11 | CARBON | 470 5% 1/4W |
| R134 | 1-247-895-00 | CARBON | 470K 5% 1/4W | R220 | 1-249-441-11 | CARBON | 100K 5% 1/4W |
| R135 | 1-249-434-11 | CARBON | 27K 5% 1/4W | R221 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W |
| R136 | 1-249-434-11 | CARBON | 27K 5% 1/4W | R223 | 1-215-437-00 | METAL | 4.7K 1% 1/6W |
| R137 | 1-249-441-11 | CARBON | 100K 5% 1/4W | R224 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W |
| R138 | 1-249-437-11 | CARBON | 47K 5% 1/4W | R225 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| R139 | 1-247-887-00 | CARBON | 220K 5% 1/4W | R226 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| R140 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R227 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W |
| R141 | 1-247-891-00 | CARBON | 330K 5% 1/4W | R228 | 1-249-422-11 | CARBON | 2.7K 5% 1/4W |
| R142 | 1-249-436-11 | CARBON | 39K 5% 1/4W | R229 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W |
| R143 | 1-249-430-11 | CARBON | 12K 5% 1/4W | R230 | 1-249-419-11 | CARBON | 1.5K 5% 1/4W |
| R144 | 1-249-423-11 | CARBON | 3.3K 5% 1/4W | R231 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| R145 | 1-249-437-11 | CARBON | 47K 5% 1/4W | R232 | 1-249-413-11 | CARBON | 470 5% 1/4W |
| R146 | 1-249-438-11 | CARBON | 56K 5% 1/4W | R233 | 1-210-821-00 | CARBON | 2.2M 5% 1/4W |
| R147 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R234 | 1-249-441-11 | CARBON | 100K 5% 1/4W |
| R148 | 1-249-441-11 | CARBON | 100K 5% 1/4W | R235 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W |
| R149 | 1-249-441-11 | CARBON | 100K 5% 1/4W | R236 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W |
| R150 | 1-249-430-11 | CARBON | 12K 5% 1/4W | R237 | 1-249-424-11 | CARBON | 3.9K 5% 1/4W |
| R151 | 1-247-891-00 | CARBON | 330K 5% 1/4W | R238 | 1-249-424-11 | CARBON | 3.9K 5% 1/4W |
| R152 | 1-247-881-00 | CARBON | 120K 5% 1/4W | R239 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W |
| R153 | 1-249-404-00 | CARBON | 82 5% 1/4W | R240 | 1-249-441-11 | CARBON | 100K 5% 1/4W |
| R154 | 1-247-891-00 | CARBON | 330K 5% 1/4W | R241 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| R155 | 1-215-432-00 | METAL | 3K 1% 1/6W | R242 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W |
| R156 | 1-215-458-00 | METAL | 36K 1% 1/6W | R243 | 1-249-441-11 | CARBON | 100K 5% 1/4W |
| R157 | 1-215-479-00 | METAL | 270K 1% 1/6W | R244 | 1-247-883-00 | CARBON | 150K 5% 1/4W |
| R158 | 1-215-473-00 | METAL | 150K 1% 1/6W | R245 | 1-247-883-00 | CARBON | 150K 5% 1/4W |
| R159 | 1-249-431-11 | CARBON | 15K 5% 1/4W | R246 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| R160 | 1-215-459-00 | METAL | 39K 1% 1/6W | R247 | 1-215-395-00 | METAL | 82 1% 1/6W |
| R161 | 1-215-455-00 | METAL | 27K 1% 1/6W | R248 | 1-249-405-11 | CARBON | 100 5% 1/4W |
| R165 | 1-247-887-00 | CARBON | 220K 5% 1/4W | R251 | 1-249-435-11 | CARBON | 33K 5% 1/4W |
| R166 | 1-249-441-11 | CARBON | 100K 5% 1/4W | R252 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| R167 | 1-249-423-11 | CARBON | 3.3K 5% 1/4W | R253 | 1-249-437-11 | CARBON | 47K 5% 1/4W |
| R168 | 1-247-887-00 | CARBON | 220K 5% 1/4W | R254 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| R169 | 1-249-441-11 | CARBON | 100K 5% 1/4W | R255 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| R170 | 1-249-423-11 | CARBON | 3.3K 5% 1/4W | R256 | 1-249-441-11 | CARBON | 100K 5% 1/4W |
| R201 | 1-249-415-11 | CARBON | 680 5% 1/4W | R257 | 1-249-413-11 | CARBON | 470 5% 1/4W |
| R202 | 1-249-423-11 | CARBON | 3.3K 5% 1/4W | R258 | 1-249-435-11 | CARBON | 33K 5% 1/4W |
| R203 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R259 | 1-249-437-11 | CARBON | 47K 5% 1/4W |
| R204 | 1-249-401-11 | CARBON | 47 5% 1/4W | R260 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| R205 | 1-249-418-11 | CARBON | 1.2K 5% 1/4W | R261 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| R206 | 1-249-414-11 | CARBON | 560 5% 1/4W | R262 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| R207 | 1-249-399-11 | CARBON | 33 5% 1/4W | R263 | 1-249-441-11 | CARBON | 100K 5% 1/4W |

When indicating parts by reference number, please include the board name.

| Ref.No | Part No. | Description | Remark | Ref.No | Part No. | Description | Remark |
|--------|--------------|-------------|--------------------------|--------|--------------|-------------|--------------------------|
| R264 | 1-249-422-11 | CARBON | 2.7K 5% 1/4W | R725 | 1-249-427-11 | CARBON | 6.8K 5% 1/4W |
| R265 | 1-249-411-11 | CARBON | 330 5% 1/4W | R726 | 1-249-419-11 | CARBON | 1.5K 5% 1/4W |
| R266 | 1-247-891-00 | CARBON | 330K 5% 1/4W | R727 | 1-249-413-11 | CARBON | 470 5% 1/4W |
| R267 | 1-249-419-11 | CARBON | 1.5K 5% 1/4W | R728 | 1-249-399-11 | CARBON | 33 5% 1/4W |
| R268 | 1-249-412-11 | CARBON | 390 5% 1/4W | R729 | 1-249-415-11 | CARBON | 680 5% 1/4W |
| R269 | 1-247-899-11 | CARBON | 680K 5% 1/4W | R730 | 1-249-419-11 | CARBON | 1.5K 5% 1/4W |
| R270 | 1-249-433-11 | CARBON | 22K 5% 1/4W | R731 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| R271 | 1-249-431-11 | CARBON | 15K 5% 1/4W | R732 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| R272 | 1-249-435-11 | CARBON | 33K 5% 1/4W | R733 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| R273 | 1-249-431-11 | CARBON | 15K 5% 1/4W | R734 | 1-249-415-11 | CARBON | 680 5% 1/4W |
| R274 | 1-249-413-11 | CARBON | 470 5% 1/4W | R735 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| R275 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R736 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| R276 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W | R737 | 1-249-418-11 | CARBON | 1.2K 5% 1/4W |
| R301 | 1-247-830-11 | CARBON | 910 5% 1/4W (LDP-3600D) | R738 | 1-249-419-11 | CARBON | 1.5K 5% 1/4W |
| R310 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W (LDP-3600D) | R739 | 1-249-416-11 | CARBON | 820 5% 1/4W |
| R311 | 1-249-417-11 | CARBON | 1K 5% 1/4W (LDP-3600D) | R740 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| R312 | 1-249-417-11 | CARBON | 1K 5% 1/4W (LDP-3600D) | R741 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W |
| R603 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W | R742 | 1-249-440-11 | CARBON | 82K 5% 1/4W |
| R604 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W | R743 | 1-249-433-11 | CARBON | 22K 5% 1/4W |
| R605 | 1-215-426-00 | METAL | 1.6K 1% 1/6W | R745 | 1-249-426-11 | CARBON | 5.6K 5% 1/4W |
| R606 | 1-249-422-11 | CARBON | 2.7K 5% 1/4W | R746 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W |
| R607 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W | R747 | 1-249-419-11 | CARBON | 1.5K 5% 1/4W |
| R608 | 1-249-429-11 | CARBON | 10K 5% 1/4W | R748 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| R610 | 1-247-881-00 | CARBON | 120K 5% 1/4W | R749 | 1-249-407-11 | CARBON | 150 5% 1/4W |
| R611 | 1-249-428-11 | CARBON | 8.2K 5% 1/4W | R751 | 1-249-410-11 | CARBON | 270 5% 1/4W (LDP-3600D) |
| R612 | 1-249-429-11 | CARBON | 10K 5% 1/4W | R752 | 1-249-440-11 | CARBON | 82K 5% 1/4W (LDP-3600D) |
| R614 | 1-247-897-11 | CARBON | 560K 5% 1/4W | R753 | 1-249-433-11 | CARBON | 22K 5% 1/4W (LDP-3600D) |
| R615 | 1-247-897-11 | CARBON | 560K 5% 1/4W | R754 | 1-249-415-11 | CARBON | 680 5% 1/4W (LDP-3600D) |
| R616 | 1-247-897-11 | CARBON | 560K 5% 1/4W | R755 | 1-249-415-11 | CARBON | 680 5% 1/4W (LDP-3600D) |
| R617 | 1-247-897-11 | CARBON | 560K 5% 1/4W | R756 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W (LDP-3600D) |
| R701 | 1-249-413-11 | CARBON | 470 5% 1/4W | R757 | 1-249-407-11 | CARBON | 150 5% 1/4W (LDP-3600D) |
| R702 | 1-249-413-11 | CARBON | 470 5% 1/4W | R758 | 1-249-429-11 | CARBON | 10K 5% 1/4W (LDP-3600D) |
| R703 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W | R759 | 1-249-429-11 | CARBON | 10K 5% 1/4W (LDP-3600D) |
| R704 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W | R760 | 1-249-429-11 | CARBON | 10K 5% 1/4W (LDP-3600D) |
| R705 | 1-249-414-11 | CARBON | 560 5% 1/4W | R761 | 1-249-429-11 | CARBON | 10K 5% 1/4W (LDP-3600D) |
| R706 | 1-249-418-11 | CARBON | 1.2K 5% 1/4W | R762 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W (LDP-3600D) |
| R707 | 1-249-437-11 | CARBON | 47K 5% 1/4W | R763 | 1-249-429-11 | CARBON | 10K 5% 1/4W (LDP-3600D) |
| R708 | 1-249-431-11 | CARBON | 15K 5% 1/4W | R764 | 1-249-417-11 | CARBON | 1K 5% 1/4W (LDP-3600D) |
| R709 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R765 | 1-247-903-00 | CARBON | 1M 5% 1/4W (LDP-3600D) |
| R710 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R766 | 1-249-411-11 | CARBON | 330 5% 1/4W (LDP-3600D) |
| R711 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W | R767 | 1-247-895-00 | CARBON | 470K 5% 1/4W (LDP-3600D) |
| R712 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R768 | 1-249-435-11 | CARBON | 33K 5% 1/4W (LDP-3600D) |
| R713 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W | R769 | 1-249-435-11 | CARBON | 33K 5% 1/4W (LDP-3600D) |
| R714 | 1-247-903-00 | CARBON | 1M 5% 1/4W | R770 | 1-249-433-11 | CARBON | 22K 5% 1/4W (LDP-3600D) |
| R716 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R771 | 1-249-433-11 | CARBON | 22K 5% 1/4W (LDP-3600D) |
| R717 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R772 | 1-249-418-11 | CARBON | 1.2K 5% 1/4W (LDP-3600D) |
| R718 | 1-249-414-11 | CARBON | 560 5% 1/4W | R773 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W (LDP-3600D) |
| R719 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R774 | 1-247-891-00 | CARBON | 330K 5% 1/4W (LDP-3600D) |
| R720 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R775 | 1-249-429-11 | CARBON | 10K 5% 1/4W (LDP-3600D) |
| R721 | 1-249-418-11 | CARBON | 1.2K 5% 1/4W | R776 | 1-249-433-11 | CARBON | 22K 5% 1/4W (LDP-3600D) |
| R722 | 1-249-429-11 | CARBON | 10K 5% 1/4W | R777 | 1-249-435-11 | CARBON | 33K 5% 1/4W (LDP-3600D) |
| R723 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R778 | 1-249-428-11 | CARBON | 8.2K 5% 1/4W (LDP-3600D) |
| R724 | 1-249-418-11 | CARBON | 1.2K 5% 1/4W | R779 | 1-249-413-11 | CARBON | 470 5% 1/4W (LDP-3600D) |

When indicating parts by reference number, please include the board name.

AV-06

| Ref.No | Part No. | Description | Remark | Ref.No | Part No. | Description | Remark |
|--------|--------------|-------------|--------------------------|--------|--------------|-------------|--------------|
| R780 | 1-249-417-11 | CARBON | 1K 5% 1/4W (LDP-3600D) | R908 | 1-249-418-11 | CARBON | 1.2K 5% 1/4W |
| R781 | 1-249-413-11 | CARBON | 470 5% 1/4W (LDP-3600D) | R909 | 1-249-422-11 | CARBON | 2.7K 5% 1/4W |
| R782 | 1-249-417-11 | CARBON | 1K 5% 1/4W (LDP-3600D) | R910 | 1-249-422-11 | CARBON | 2.7K 5% 1/4W |
| R783 | 1-247-881-00 | CARBON | 120K 5% 1/4W (LDP-3600D) | R911 | 1-249-418-11 | CARBON | 1.2K 5% 1/4W |
| R784 | 1-249-437-11 | CARBON | 47K 5% 1/4W (LDP-3600D) | R912 | 1-249-441-11 | CARBON | 100K 5% 1/4W |
| R785 | 1-249-431-11 | CARBON | 15K 5% 1/4W (LDP-3600D) | R913 | 1-247-903-00 | CARBON | 1M 5% 1/4W |
| R786 | 1-249-415-11 | CARBON | 680 5% 1/4W (LDP-3600D) | R914 | 1-249-438-11 | CARBON | 56K 5% 1/4W |
| R787 | 1-249-413-11 | CARBON | 470 5% 1/4W (LDP-3600D) | R915 | 1-249-419-11 | CARBON | 1.5K 5% 1/4W |
| R788 | 1-249-423-11 | CARBON | 3.3K 5% 1/4W (LDP-3600D) | R916 | 1-249-419-11 | CARBON | 1.5K 5% 1/4W |
| R789 | 1-249-441-11 | CARBON | 100K 5% 1/4W (LDP-3600D) | R917 | 1-249-419-11 | CARBON | 1.5K 5% 1/4W |
| R790 | 1-249-441-11 | CARBON | 100K 5% 1/4W (LDP-3600D) | R918 | 1-249-438-11 | CARBON | 56K 5% 1/4W |
| R794 | 1-249-422-11 | CARBON | 2.7K 5% 1/4W (LDP-3600D) | R919 | 1-247-887-00 | CARBON | 220K 5% 1/4W |
| R796 | 1-249-434-11 | CARBON | 27K 5% 1/4W (LDP-3600D) | R920 | 1-249-418-11 | CARBON | 1.2K 5% 1/4W |
| R797 | 1-249-414-11 | CARBON | 560 5% 1/4W (LDP-3600D) | R921 | 1-249-413-11 | CARBON | 470 5% 1/4W |
| R801 | 1-249-438-11 | CARBON | 56K 5% 1/4W | R924 | 1-249-408-11 | CARBON | 180 5% 1/4W |
| R802 | 1-249-424-11 | CARBON | 3.9K 5% 1/4W | R925 | 1-249-413-11 | CARBON | 470 5% 1/4W |
| R803 | 1-249-417-11 | CARBON | 1K 5% 1/4W (LDP-3600D) | R927 | 1-249-408-11 | CARBON | 180 5% 1/4W |
| R804 | 1-249-410-11 | CARBON | 270 5% 1/4W (LDP-3600D) | R929 | 1-247-903-00 | CARBON | 1M 5% 1/4W |
| R805 | 1-249-417-11 | CARBON | 1K 5% 1/4W (LDP-3600D) | R930 | 1-249-413-11 | CARBON | 470 5% 1/4W |
| R806 | 1-249-415-11 | CARBON | 680 5% 1/4W | R932 | 1-249-437-11 | CARBON | 47K 5% 1/4W |
| R807 | 1-249-411-11 | CARBON | 330 5% 1/4W | R933 | 1-249-418-11 | CARBON | 1.2K 5% 1/4W |
| R808 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R934 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| R809 | 1-249-414-11 | CARBON | 560 5% 1/4W | R937 | 1-249-405-11 | CARBON | 100 5% 1/4W |
| R810 | 1-249-408-11 | CARBON | 180 5% 1/4W | R938 | 1-249-411-11 | CARBON | 330 5% 1/4W |
| R811 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W | R940 | 1-249-433-11 | CARBON | 22K 5% 1/4W |
| R812 | 1-249-409-11 | CARBON | 220 5% 1/4W | R941 | 1-249-433-11 | CARBON | 22K 5% 1/4W |
| R813 | 1-249-409-11 | CARBON | 220 5% 1/4W | R942 | 1-249-409-11 | CARBON | 220 5% 1/4W |
| R814 | 1-249-409-11 | CARBON | 220 5% 1/4W | | | | |
| R815 | 1-249-409-11 | CARBON | 220 5% 1/4W | | | | |
| R816 | 1-249-416-11 | CARBON | 820 5% 1/4W | | | | |
| R817 | 1-249-433-11 | CARBON | 22K 5% 1/4W | | | | |
| R818 | 1-249-435-11 | CARBON | 33K 5% 1/4W | | | | |
| R819 | 1-249-409-11 | CARBON | 220 5% 1/4W | | | | |
| R820 | 1-249-424-11 | CARBON | 3.9K 5% 1/4W | | | | |
| R821 | 1-249-413-11 | CARBON | 470 5% 1/4W | | | | |
| R822 | 1-249-413-11 | CARBON | 470 5% 1/4W | | | | |
| R823 | 1-249-412-11 | CARBON | 390 5% 1/4W | | | | |
| R824 | 1-249-429-11 | CARBON | 10K 5% 1/4W | | | | |
| R825 | 1-249-417-11 | CARBON | 1K 5% 1/4W | | | | |
| R826 | 1-249-430-11 | CARBON | 12K 5% 1/4W | | | | |
| R828 | 1-249-426-11 | CARBON | 5.6K 5% 1/4W | | | | |
| R829 | 1-249-418-11 | CARBON | 1.2K 5% 1/4W | | | | |
| R835 | 1-249-433-11 | CARBON | 22K 5% 1/4W | | | | |
| R836 | 1-249-434-11 | CARBON | 27K 5% 1/4W | | | | |
| R837 | 1-249-434-11 | CARBON | 27K 5% 1/4W | | | | |
| R838 | 1-249-422-11 | CARBON | 2.7K 5% 1/4W | | | | |
| R901 | 1-249-429-11 | CARBON | 10K 5% 1/4W | | | | |
| R902 | 1-249-429-11 | CARBON | 10K 5% 1/4W | | | | |
| R903 | 1-249-418-11 | CARBON | 1.2K 5% 1/4W | | | | |
| R904 | 1-249-422-11 | CARBON | 2.7K 5% 1/4W | | | | |
| R905 | 1-249-422-11 | CARBON | 2.7K 5% 1/4W | | | | |
| R906 | 1-249-429-11 | CARBON | 10K 5% 1/4W | | | | |
| R907 | 1-249-429-11 | CARBON | 10K 5% 1/4W | | | | |

VARIABLE RESISTOR

| | | | |
|-------|--------------|------------------|----------------|
| RV101 | 1-228-994-00 | RES, ADJ, CARBON | 10K |
| RV102 | 1-228-991-00 | RES, ADJ, CARBON | 2.2K |
| RV103 | 1-228-995-00 | RES, ADJ, CARBON | 22K |
| RV201 | 1-228-995-00 | RES, ADJ, CARBON | 22K |
| RV202 | 1-228-995-00 | RES, ADJ, CARBON | 22K |
| RV701 | 1-228-990-00 | RES, ADJ, CARBON | 1K |
| RV703 | 1-228-989-00 | RES, ADJ, CARBON | 470 |
| RV704 | 1-228-989-00 | RES, ADJ, CARBON | 470 |
| RV705 | 1-228-990-00 | RES, ADJ, CARBON | 1K |
| RV706 | 1-228-990-00 | RES, ADJ, CARBON | 1K (LDP-3600D) |

CRYSTAL

| | | | |
|------|--------------|-------------------------|-----------|
| X701 | 1-567-652-11 | VIBRATOR, CRYSTAL | (13.3MHz) |
| X901 | 1-527-722-00 | OSCILLATOR, CRYSTAL | (14.3MHz) |
| X902 | 1-567-344-21 | VIBRATOR, CRYSTAL (VCO) | (17.7MHz) |

When indicating parts by reference number, please include the board name.

AC-46**MD-40****MD-41****MD-39****SW-103****SW-104****SW-105**

| Ref.No | Part No. | Description | Remark |
|--------|---------------|--|--------|
| | *1-630-492-11 | AC-46 BOARD (Ref.No 1,000 Series) ***** | |
| | △1-533-189-11 | HOLDER, FUSE | |
| | *3-701-946-12 | LABEL (1.6A250V), FUSE (US) | |
| | | <u>CAPACITOR</u> | |
| C021 | △1-136-212-12 | FILM 0.1MF 20% 250V | |
| | | <u>FUSE</u> | |
| F021 | △1-532-259-11 | FUSE, TIME-LAG T1.6A 250V (LDP-3300P/3600D: AEP/UK) | |
| F021 | △1-532-824-11 | FUSE, GLASS TUBE (1.6A 250V) (LDP-3600D: US) | |
| | | <u>CONNECTOR</u> | |
| CN021 | △1-564-419-11 | HEADER, SPRING (POWER) 2P | |
| CN022 | △1-506-371-00 | PIN, CONNECTOR 2P | |
| CN023 | △1-564-420-11 | HEADER, SPRING (POWER) 3P | |
| | | <u>RESISTOR</u> | |
| R021 | △1-202-663-31 | SOLID 5.6M 10% 1/2W | |
| | | <u>FILTER</u> | |
| T021 | △1-421-771-11 | FILTER, LINE | |
| ***** | | | |
| | *1-620-236-11 | MD-40 BOARD (Ref.No 1,000 Series) ***** | |
| | | <u>CAPACITOR</u> | |
| C802 | 1-161-494-00 | CERAMIC 0.022MF 25V | |
| | | <u>CONNECTOR</u> | |
| CN802 | *1-560-890-00 | PIN, CONNECTOR 2P | |
| ***** | | | |
| | *1-620-237-11 | MD-41 BOARD (Ref.No 1,000 Series) ***** | |
| | | <u>CAPACITOR</u> | |
| C803 | 1-161-494-00 | CERAMIC 0.022MF 25V | |
| C804 | 1-126-233-11 | ELECT 22MF 20% 25V | |
| | | <u>CONNECTOR</u> | |
| CN803 | *1-560-892-00 | PIN, CONNECTOR 4P | |
| | | <u>IC</u> | |
| IC801 | 8-759-962-08 | IC BA6208 | |
| | | <u>RESISTOR</u> | |
| R801 | 1-247-731-11 | CARBON 22 5% 1/2W F | |

| Ref.No | Part No. | Description | Remark |
|--------|---------------|---|--------|
| | *1-620-235-11 | MD-39 BOARD (Ref.No 1,000 Series) ***** | |
| | | <u>CAPACITOR</u> | |
| C801 | 1-161-494-00 | CERAMIC 0.022MF 25V | |
| | | <u>CONNECTOR</u> | |
| CN801 | *1-560-890-00 | PIN, CONNECTOR 2P | |
| | | <u>MOTOR</u> | |
| M904 | 1-541-505-11 | MOTOR, DC (NBS2B01) (SLIDE) | |
| ***** | | | |
| | *1-630-494-11 | SW-103 BOARD (Ref.No 1,000 Series) ***** | |
| | | <u>DIODE</u> | |
| D201 | 8-719-939-05 | GP1S54 | |
| | | <u>RESISTOR</u> | |
| R201 | 1-249-407-11 | CARBON 150 5% 1/4W | |
| ***** | | | |
| | *1-630-495-11 | SW-104 BOARD (Ref.No 1,000 Series) ***** | |
| | | <u>DIODE</u> | |
| D202 | 8-719-920-74 | DIODE EE-SF5-B | |
| D203 | 8-719-920-74 | DIODE EE-SF5-B | |
| ***** | | | |
| | *1-630-496-11 | SW-105 BOARD (Ref.No 1,000 Series) ***** | |
| | | <u>DIODE</u> | |
| D204 | 8-719-950-63 | DIODE GP1S17 | |
| D205 | 8-719-950-63 | DIODE GP1S17 | |
| D206 | 8-719-950-63 | DIODE GP1S17 | |
| | | <u>RESISTOR</u> | |
| R202 | 1-249-407-11 | CARBON 150 5% 1/4W | |
| R203 | 1-249-434-11 | CARBON 27K 5% 1/4W | |
| R204 | 1-249-407-11 | CARBON 150 5% 1/4W | |
| R205 | 1-249-434-11 | CARBON 27K 5% 1/4W | |
| R206 | 1-249-407-11 | CARBON 150 5% 1/4W | |
| R207 | 1-249-434-11 | CARBON 27K 5% 1/4W | |
| ***** | | | |

When indicating parts by reference number, please include the board name.

Note: The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

DC-15

DC-19

DC-20

SW-112

PW-63

PW-64

PW-68

| Ref.No | Part No. | Description | Remark |
|-------------------|--------------|-----------------------------|-------------|
| *1-630-488-11 | DC-15 | BOARD (Ref.No 4,000 Series) | ***** |
| <u>TRANSISTOR</u> | | | |
| Q704 | 8-729-804-68 | TRANSISTOR 2SB1133-S | |
| ***** | | | |
| *1-630-489-11 | DC-19 | BOARD (Ref.No 4,000 Series) | ***** |
| <u>TRANSISTOR</u> | | | |
| Q705 | 8-729-804-17 | TRANSISTOR 2SD1666-R | |
| ***** | | | |
| *1-630-490-11 | DC-20 | BOARD (Ref.No 4,000 Series) | ***** |
| <u>TRANSISTOR</u> | | | |
| Q706 | 8-729-804-68 | TRANSISTOR 2SB1133-S | |
| ***** | | | |
| *1-630-497-11 | SW-112 | BOARD (Ref.No 1,000 Series) | ***** |
| <u>DIODE</u> | | | |
| D207 | 8-719-939-05 | DIODE GP1S54 | |
| D208 | 8-719-939-05 | DIODE GP1S54 | |
| <u>RESISTOR</u> | | | |
| R208 | 1-249-407-11 | CARBON | 150 5% 1/4W |
| R209 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| R210 | 1-249-407-11 | CARBON | 150 5% 1/4W |
| R211 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| ***** | | | |
| *1-630-499-11 | PW-63 | BOARD (Ref.No 8,000 Series) | ***** |
| <u>CONNECTOR</u> | | | |
| CN041 | 1-564-420-11 | HEADER, SPRING (POWER) 3P | |
| ***** | | | |
| *1-630-500-11 | PW-64 | BOARD (Ref.No 3,000 Series) | ***** |
| (LDP-3600D) | | | |
| ***** | | | |
| *1-630-503-11 | PW-68 | BOARD (Ref.No 3,000 Series) | ***** |
| (LDP-3300P) | | | |

| Ref.No | Part No. | Description | Remark |
|--|--------------|--|--------|
| MISCELLANEOUS ***** | | | |
| 1-560-222-11 | | INLET 3P | |
| 3-728-433-03 | | SHUTTER, SWITCH, O/C | |
| 8-848-069-01 | | DEVICE, OPTICS KSC-120A | |
| J901 | 1-507-195-21 | SPECIAL REMOTE CONTROL JACK | |
| M901 | A-6491-037-A | MOTOR ASSY, SPINDLE | |
| M902 | X-3713-206-1 | MOTOR BLOCK ASSY, SKEW | |
| M903 | X-3713-208-1 | MOTOR ASSY, LD (LOADING) | |
| PT041 | 1-449-667-11 | TRANSFORMER, POWER | |
| S051 | 1-554-933-11 | SELECTOR, VOLTAGE (LDP-3600D) | |
| S301 | 1-570-810-11 | SWITCH, PUSH (1 KEY) (CHUCK) | |
| SW061 | 1-570-173-11 | SELECTOR, VOLTAGE CHANGE (LDP-3300P) | |
| ***** | | | |
| ACCESSORIES AND PACKING MATERIALS ***** | | | |
| <u>Part No.</u> <u>Description</u> <u>Remark</u> | | | |
| 1-551-812-00 | | CORD, POWER (LDP-3600D: US) | |
| 1-556-760-11 | | CORD, POWER (3 CORE) (LDP-3300P/3600D: AEP/UK) | |
| 3-701-625-00 | | BAG, POLYETHYLENE | |
| *3-728-450-01 | | CUSHION (UPPER) | |
| *3-728-451-01 | | CUSHION (LOWER) | |
| *3-728-452-01 | | INDIVIDUAL CARTON (LDP-3300P) | |
| *3-728-452-11 | | INDIVIDUAL CARTON (LDP-3600D) | |
| 3-750-065-13 | | MANUAL, INSTRUCTION (LDP-3300P) (English, French, German) | |
| 3-750-066-13 | | MANUAL, INSTRUCTION (LDP-3600D: AEP/UK) (English, French, German) | |
| 3-750-066-21 | | MANUAL, INSTRUCTION (LDP-3600D: US) (English, French) | |
| ***** | | | |
| HARDWARE LIST ***** | | | |
| 7-628-254-30 | +PSW, | 2.6X10 | |
| <u>SCREW</u> | | | |
| 7-621-772-08 | SCREW +B | 2X3 | |
| 7-682-548-04 | SCREW +P | 3X8 | |
| 7-682-547-04 | SCREW +B | 3X6 | |
| 7-682-560-04 | SCREW +B | 4X6 | |
| 7-682-647-09 | SCREW +PSW | 3X6 | |
| 7-682-661-09 | SCREW +PSW | 4X8 | |
| 7-685-645-79 | SCREW +BVTP | 3X6 TYPE2 IT-3 | |
| 7-685-646-79 | SCREW +BVTP | 3X8 TYPE2 IT-3 | |
| 7-685-648-79 | SCREW +BVTP | 3X12 TYPE2 IT-3 | |
| ***** | | | |

When indicating parts by reference number, please include the board name.

Note: The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

SECTION 7 ELECTRICAL ADJUSTMENTS

See adjusting elements location diagram on page 126 for the adjustments.

7-1. MEASUREMENT TOOL

- Oscilloscope
- Color monitor TV (PAL)
- Color monitor TV (NTSC) (LDP-3600D)
- Digital voltmeter
- Audio level meter
- Frequency counter
- Remote control unit (RM-2001)
- Servo checker Jig (J-6166-370-A)
- Alignment disc REF1P-12CAD (8-847-017-00)
- Alignment disc REF5C-6Z079 (8-847-018-00) (LDP-3600D)
- Signal generator
- Connection harness (J-6082-068-A)

7-2. CAUTIONS ON ADJUSTMENT

- Do not open or close the disc table while standing up the player on its side. (Do not press the OPEN button.)
- When standing the player up, set the right side, facing the front panel, downward and turn OFF the power supply.

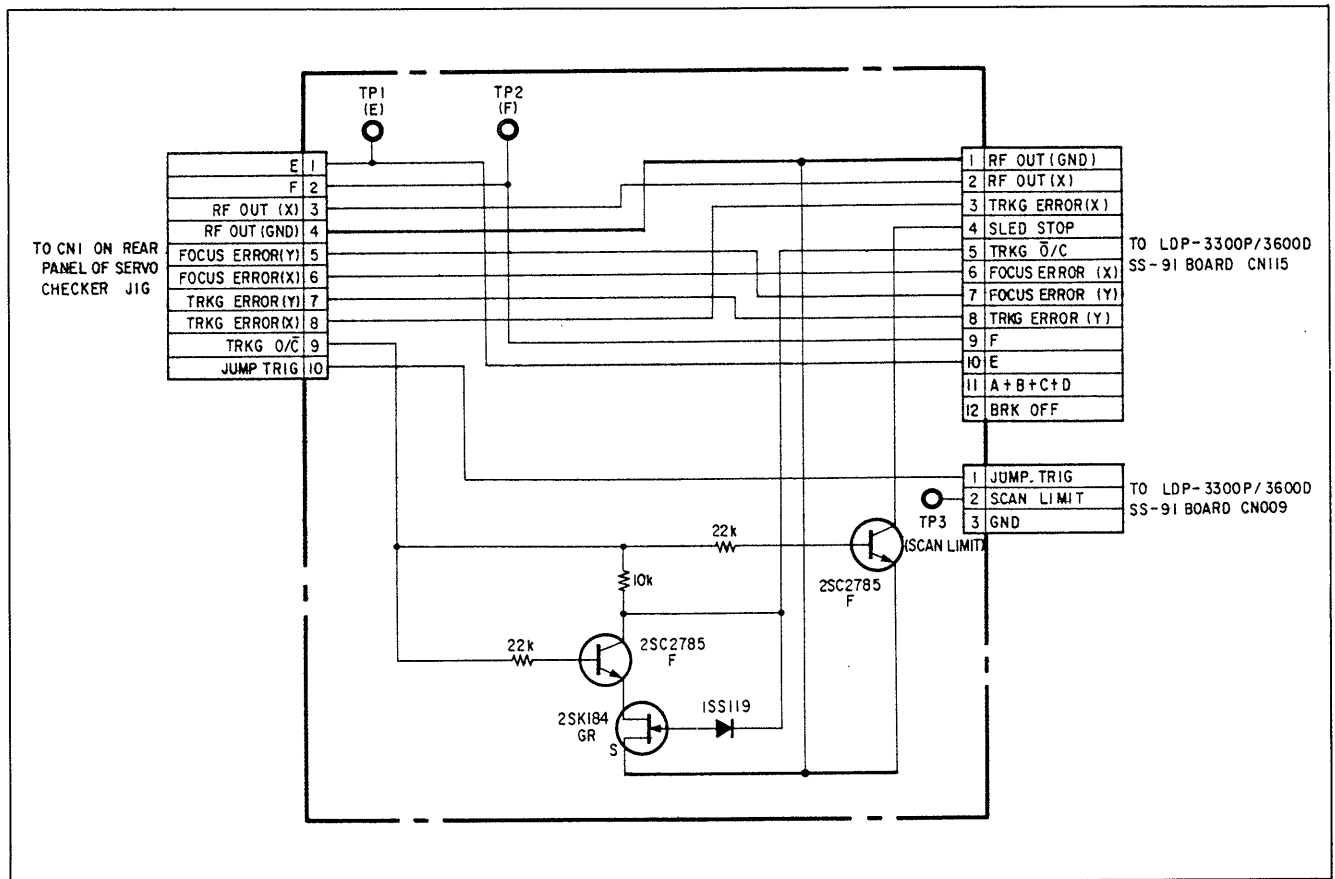
7-3. SERVO CHECKER JIG

The servo checker jig is used for focus and tracking servo adjustments.

- SERVO CHECKER jig (J-6166-370-A)
- Connection harness (J-6082-068-A)

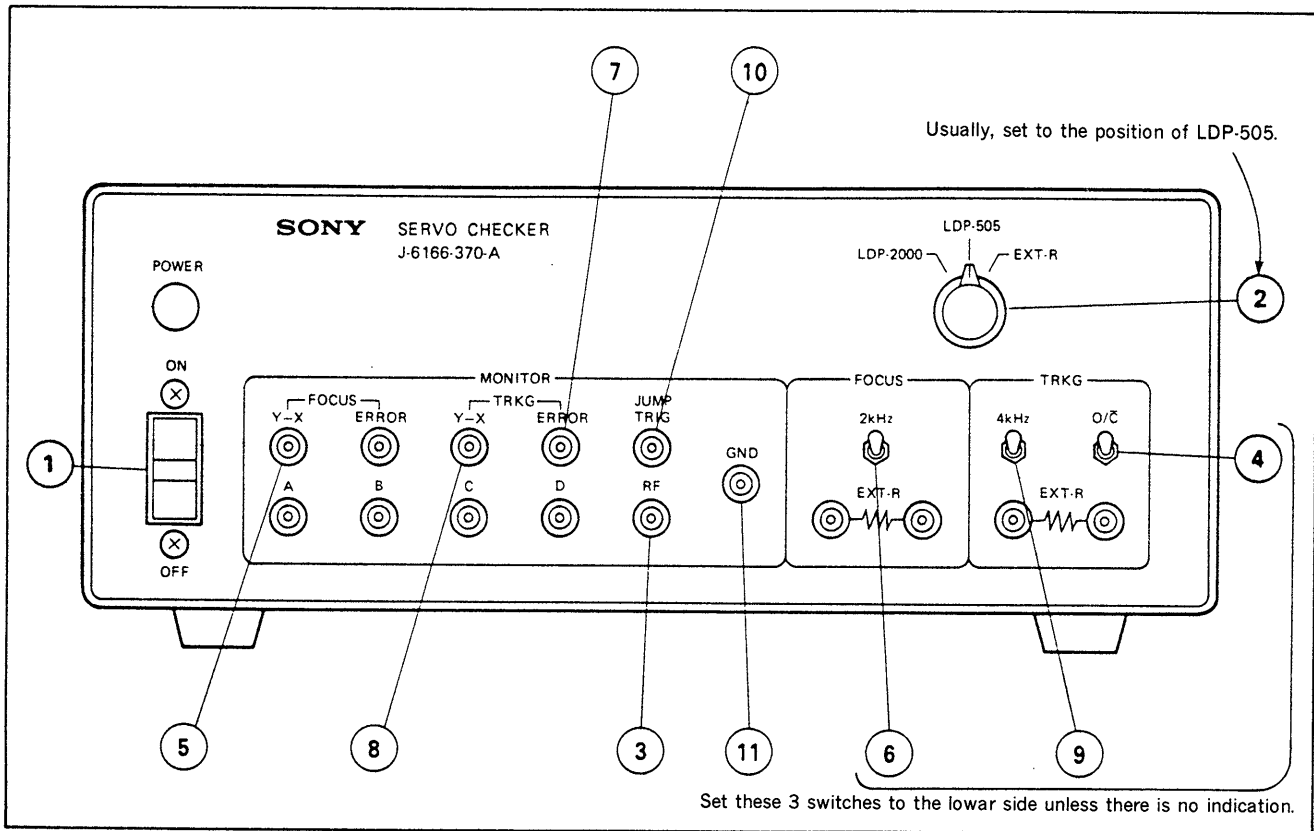
7-3-1. Connection harness

- 1) Connect the connection harness as shown in the following figure.



CONNECTION HARNESS SCHEMATIC DIAGRAM

7-3-2. Terminals and Switches



- ① POWER switch
- ② Mode selector Set to LDP-505 during adjustment.
- ③ RF terminal Connect oscilloscope during focus offset adjustment and RF level one.
- ④ TRKG O/C switch Set to O (open) only during tracking offset adjustment and to C (close) during other adjustments.
- ⑤ FOCUS Y-X terminal Connect oscilloscope during focus gain adjustment.
- ⑥ FOCUS 2kHz switch Turn it on during FOCUS gain adjustment and to off during other adjustments.
- ⑦ TRKG ERROR terminal Connect oscilloscope during tracking offset adjustment and track jump adjustment.
- ⑧ TRKG Y-X terminal Connect oscilloscope during tracking gain adjustment.
- ⑨ TRKG 4kHz switch Turn it on during tracking gain adjustment and to off during other adjustments.
- ⑩ JUMP TRIG terminal Connect oscilloscope during track jump adjustment. (Triggered at TRKG jump)
- ⑪ GND terminal

7-4. ALIGNMENT DISC (LDP-3600D NTSC SYSTEM)

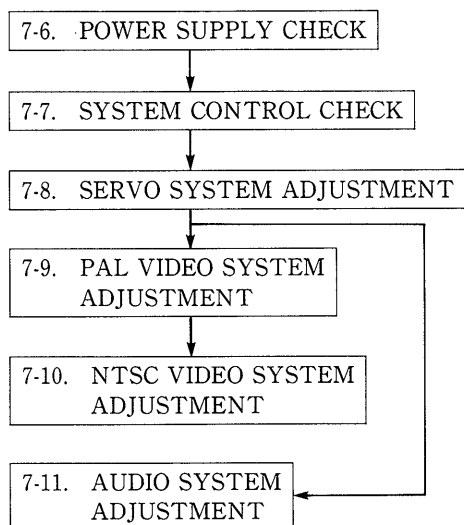
Standard disc for adjusting this machine is REF5C-6Z079 (8-847-018-00), whereas, the adjusting items without particular notice can be adjusted by the following alignment disc.

REF5A-12CAD } (8-847-018-00)
REF5B-6Z079 }

For the adjusting items with notices, follow those indications.

7-5. ADJUSTMENT SEQUENCE

Make adjustment in the following sequence.



Note : For the following items to be adjusted, make adjustment on only LDP-3600D.

On LDP-3300P, make adjustment by skipping the items.

7-10. NTSC VIDEO SYSTEM ADJUSTMENT

7-11-2. NTSC Audio Output Level Adjustment

7-6. POWER SUPPLY CHECK (DC-14 BOARD)

7-6-1. Power Supply Voltage Check

| | |
|------------------------|--|
| Mode | No disc |
| Measurement instrument | Digital voltmeter |
| UNREG +14V CHECK | |
| Measurement point | Pin ① of CN003 (GND : Pin ⑦ of CN003) |
| Specified value | +16.5±1.0Vdc |
| UNREG -14V CHECK | |
| Measurement point | Pin ⑩ of CN003 (GND : Pin ⑦ of CN003) |
| Specified value | -16.5±1.0Vdc |
| REG +12V CHECK | |
| Measurement point | Pin ③ of CN003 (GND : Pin ⑦ of CN003) |
| Specified value | +11.6±0.2Vdc |
| REG +9V CHECK | |
| Measurement point | Pin ④ of CN003 (GND : Pin ⑦ of CN003) |
| Specified value | +9.2±0.2Vdc |
| REG -9V CHECK | |
| Measurement point | Pin ⑨ of CN003 (GND : Pin ⑦ of CN003) |
| Specified value | -9.1±0.3Vdc |
| REG +5V CHECK | |
| Measurement point | Pin ⑤ of CN003 (GND : Pin ⑦ of CN003) |
| Specified value | +5.2±0.1Vdc |
| REG -5V CHECK | |
| Measurement point | Pin ⑧ of CN003 (GND : Pin ⑦ of CN003) |
| Specified value | -5.1±0.1Vdc |

[Checking procedure]

- 1) Each power supply voltage shall fulfill the specified value.

DC-14 BOARD (COMPONENT SIDE)

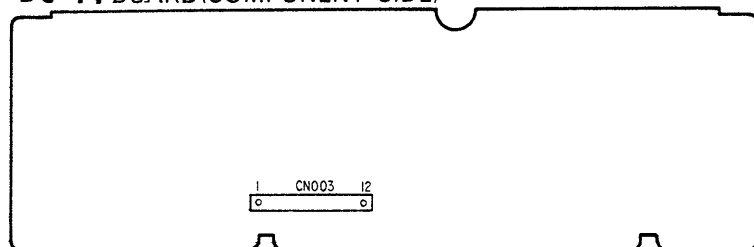


Fig. 7-1.

7-7. SYSTEM CONTROL CHECK (SS-91 BOARD)

7-7-1. 500kHz Clock Check

| | |
|------------------------|------------------------|
| Mode | FWD play |
| Signal | REF1P |
| Measurement point | Pin ② of IC313 |
| Measurement instrument | Frequency counter |
| Specified value | $500 \pm 20\text{kHz}$ |

Note: Connect the frequency counter through a buffer amplifier (Oscilloscope, etc.) of high input impedance ($1\text{M}\Omega$ or more) and low capacity (10pF or less).

[Adjustment procedure]

- 1) Set the unit into FWD play mode.
- 2) Check that the frequency is $500 \pm 20\text{kHz}$.

7-7-2. Baud Rate Clock Check

| | |
|------------------------|--------------------------|
| Mode | FWD play |
| Signal | REF1P |
| Measurement point | Pin ⑤ of IC905 |
| Measurement instrument | Frequency counter |
| Specified value | $19.2 \pm 1.0\text{kHz}$ |

Note: Connect the frequency counter through a buffer amplifier (Oscilloscope, etc.) of high input impedance ($1\text{M}\Omega$ or more) and low capacity (10pF or less).

[Adjustment procedure]

- 1) Set the unit into FWD play mode.
- 2) Check that the frequency is $19.2 \pm 1.0\text{kHz}$.

7-8. SERVO SYSTEM ADJUSTMENT (SS-91 BOARD)

7-8-1. PAL REF-H Delay Adjustment (SS-91 Board)

| | |
|------------------------|---|
| Mode | FWD play |
| Signal | REF1P |
| Measurement point | CH1 : Pin ⑤ of IC106 CH2 : Pin ⑥ of IC106 Trig. : CH1 |
| Measurement instrument | Oscilloscope |
| Adjusting element | RV101 |
| Specified value | $\Delta t = 32 \pm 2\mu\text{S}$ |

[Adjustment procedure]

- 1) Adjust with RV101 so that the Δt value becomes $32 \pm 2\mu\text{S}$.

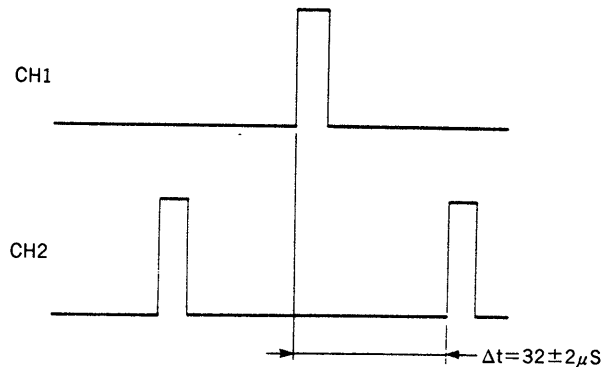


Fig. 7-2.

7-8-2. Tracking Drive Offset Adjustment (SS-91 Board)

| | |
|------------------------|--|
| Mode | Power ON (No disc) |
| Signal | No disc |
| Measurement point | Connection Harness TP3 (Pin ② of CN009) |
| Measurement instrument | Oscilloscope (DC range) |
| Adjusting element | RV201 |
| Specified value | $0 \pm 10\text{mVdc}$ |

[Adjustment procedure]

- 1) Set the unit into Power ON mode.
- 2) Adjust for $0 \pm 10\text{mVdc}$ with RV201.

7-8-3. RD Adjustment (MAIN CHASSIS)

| | |
|------------------------|--|
| Mode | Still |
| Signal | REF1P, frame 12000 |
| Measurement point | CH1 : Pin ⑨ of CN115 (SS-91) CH2 : Pin ⑩ of CN115 (SS-91) |
| Measurement instrument | Oscilloscope (X-Y MODE) |
| Adjusting element | Guide B ADJ claw |
| Specified value | A : B=1 : 3 |

[Adjustment procedure]

- 1) Perform searching of frame 12000. (Press **SEARCH** **1** **2** **0** **0** **0** **ENTER** of remote control unit.)
- 2) Release the claw A.
- 3) Open tracking servo. (Set TRKG O/C switch of servo checker to O(open) side.)
- 4) Adjust guide B ADJ claw for A : B=1 : 3.
- 5) Turn claw A clockwise for 90°, and lock.
- 6) Close the tracking servo, and search the frame 12000, and confirm that the output waveform which trails in the right upper direction. (Refer to Fig. 7-5.)
(if the waveform trails in the lower left direction, repeat it by returning to 1.)

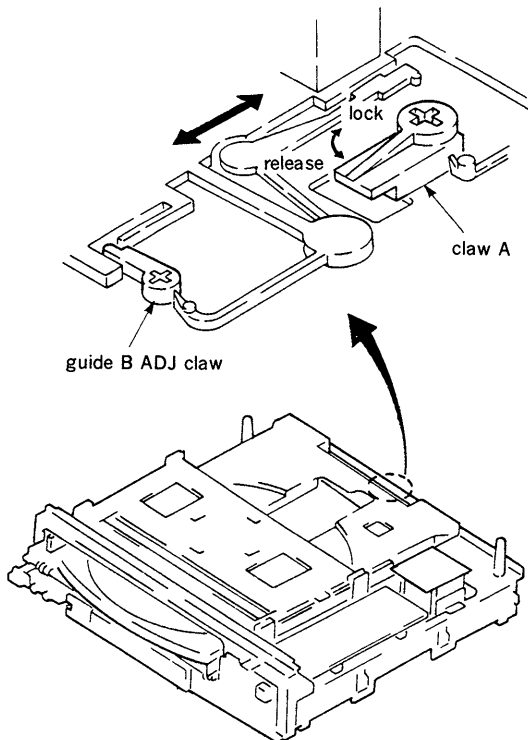
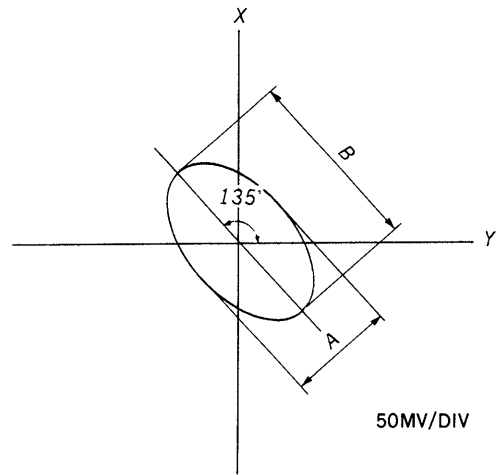


Fig. 7-3.



A : B=1 : 3

Fig. 7-4.

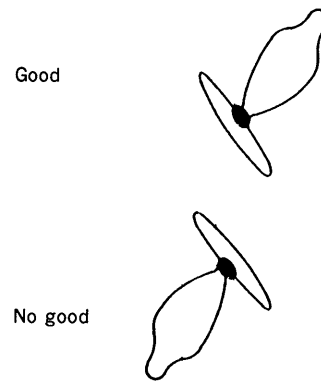


Fig. 7-5.

7-8-4. Skew Adjustment (SS-91 Board)

| | |
|------------------------|--------------------|
| Mode | Still |
| Signal | REF1P, frame 31000 |
| Measurement point | Pin ② of CN115 |
| Measurement instrument | Oscilloscope |
| Adjusting element | RV304 |
| Specified value | Maximum |

[Adjustment procedure]

- 1) Perform searching of frame 31000. (Press **SEARCH** **3** **1** **0** **0** **0** **ENTER** of remote control unit.)
- 2) Maximize the RF output waveform level with RV304.

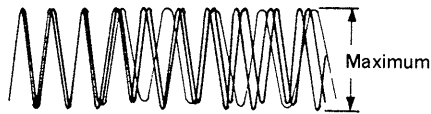


Fig. 7-6.

7-8-6. Focus Offset Adjustment (SS-91 Board)

| | |
|------------------------|--------------------|
| Mode | Still |
| Signal | REF1P, frame 31000 |
| Measurement point | Pin ② of CN115 |
| Measurement instrument | Oscilloscope |
| Adjusting element | RV302 |
| Specified value | Maximum |

[Adjustment procedure]

- 1) Perform searching of frame 31000. (Press **SEARCH** **3** **1** **0** **0** **0** **ENTER** of remote control unit.)
- 2) Maximize the RF output waveform level with RV302.

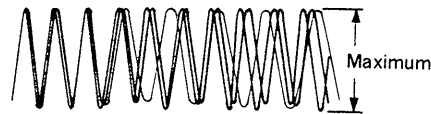


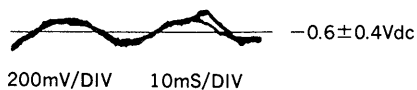
Fig. 7-8.

7-8-5. Focus Gain Adjustment (SS-91 Board)

| | |
|------------------------|------------------------------------|
| Mode | Still |
| Signal | REF1P, frame 15001 |
| Measurement point | FOCUS Y-X terminal (servo checker) |
| Measurement instrument | Oscilloscope (DC range) |
| Adjusting element | RV303 |
| Specified value | $-0.6 \pm 0.4Vdc$ |

[Adjustment procedure]

- 1) Perform searching of frame 15001. (Press **SEARCH** **1** **5** **0** **0** **1** **ENTER** of remote control unit.)
- 2) Turn on the FOCUS 2kHz switch of servo checker.
- 3) Adjust with RV303 so that average value of waveform becomes $-0.6 \pm 0.4Vdc$.
- 4) Turn off the FOCUS 2kHz switch of servo checker.



Adjust so that average value of waveform becomes $-0.6 \pm 0.4Vdc$.

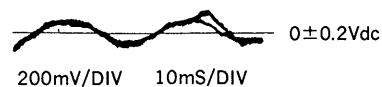
Fig. 7-7.

7-8-7. Tracking Gain Adjustment (SS-91 Board)

| | |
|------------------------|-----------------------------------|
| Mode | Still |
| Signal | REF1P, frame 15001 |
| Measurement point | TRKG Y-X terminal (servo checker) |
| Measurement instrument | Oscilloscope (DC range) |
| Adjusting element | RV301 |
| Specified value | $0 \pm 0.2Vdc$ |

[Adjustment procedure]

- 1) Perform searching of frame 15001. (Press **SEARCH** **1** **5** **0** **0** **1** **ENTER** of remote control unit.)
- 2) Turn on the TRKG 4kHz switch of servo checker.
- 3) Adjust with RV301 so that average value of waveform becomes $0 \pm 0.2Vdc$.
- 4) Turn off the TRKG 4kHz switch of servo checker.



Adjust so that average value of waveform becomes $0 \pm 0.2Vdc$.

Fig. 7-9.

7-8-8. Tracking Offset Adjustment (SS-91 Board)

| | |
|------------------------|-------------------------------------|
| Mode | Still |
| Signal | REF1P, frame 15001 |
| Measurement point | TRKG ERROR terminal (servo checker) |
| Measurement instrument | Oscilloscope (DC range) |
| Adjusting element | RV300 |
| Specified value | A = B |

[Adjustment procedure]

- 1) Perform searching of frame 15001. (Press **SEARCH** **1** **5** **0** **0** **1** **ENTER** of remote control unit.)
- 2) Open tracking servo.
(Set TRKG O/ \bar{C} switch of servo checker to O (open side).)
- 3) Set the center voltage of the tracking error signal to $0 \pm 0.1V_{dc}$ using RV300.
- 4) Close tracking servo.

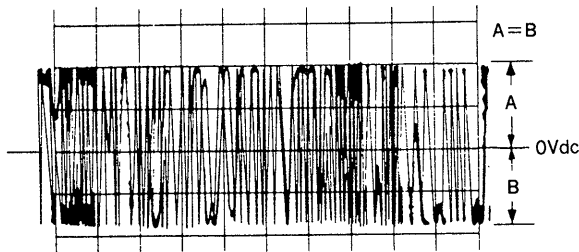


Fig. 7-10.

7-8-9. Scan Limit Adjustment (SS-91 Board)

| | |
|------------------------|--|
| Mode | Repeat FWD scan and RVS scan. |
| Signal | REF1P |
| Measurement point | Pin ② of CN009 |
| Measurement instrument | Oscilloscope |
| Adjusting element | RV306 |
| Specified value | It shall be triangle wave, and distortion of waveform shall be minimum for both FWD scan and RVS scan. |

[Adjustment procedure]

- 1) Repeat FWD scan and RVS scan.
- 2) Adjust RV306 so that output waveform is triangle wave as shown in Fig. 7-11 and the distortion of waveform is minimum on both FWD scan and RVS scan.

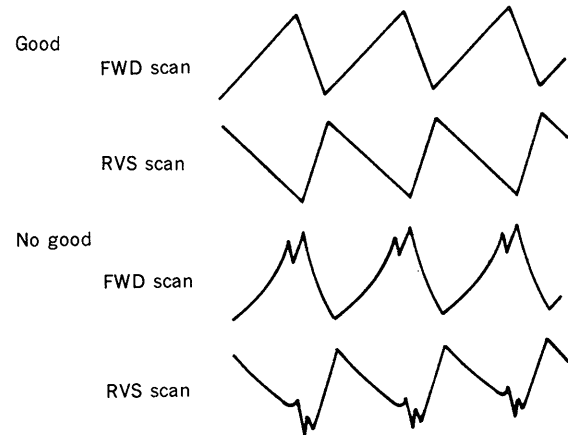


Fig. 7-11.

7-9. PAL VIDEO SYSTEM ADJUSTMENT

7-9-1. RF Level Check (SS-91 Board)

| | |
|------------------------|--------------------------------|
| Mode | Still |
| Signal | REF1P, frame 37000 (color bar) |
| Measurement point | TP001 (Pin ⑨ of FN001) |
| Measurement instrument | Oscilloscope |
| Specified value | $450 \pm 50 \text{mVp-p}$ |

[Checking procedure]

- 1) Perform searching of frame 37000. (Press **SEARCH** **3** **7** **0** **0** **0** **ENTER** of remote control unit.)
- 2) Check that the RF level is $450 \pm 50 \text{mVp-p}$.

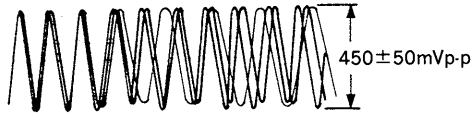


Fig. 7-12.

7-9-2. DE-MOD Out Level Adjustment (SS-91 Board)

| | |
|------------------------|--------------------------------|
| Mode | Still |
| Signal | REF1P, frame 37000 (color bar) |
| Measurement point | TP006 (Pin ① of CN006) |
| Measurement instrument | Oscilloscope |
| Adjusting element | RV006 |
| Specified value | 0.5V |

[Adjustment procedure]

- 1) Perform searching of frame 37000. (Press **SEARCH** **3** **7** **0** **0** **0** **ENTER** of remote control unit.)
- 2) Adjust for 0.5V with RV006.

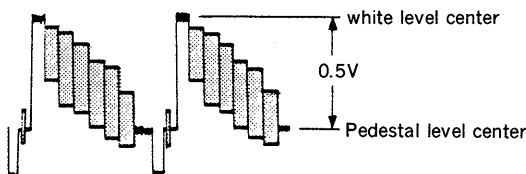


Fig. 7-13.

7-9-3. DOC Level Adjustment (SS-91 Board)

| | |
|------------------------|---|
| Mode | Still |
| Signal | REF1P, frame 37000 (color bar) |
| Measurement point | CH1 : Pin ⑦ of IC010 CH2 : Pin ② of IC010 |
| Measurement instrument | Oscilloscope |
| Adjusting element | RV004 |
| Specified value | $V1 \text{ (CH1 Level)} = V2 \text{ (CH2 Level)}$ |

[Adjustment procedure]

- 1) Set the unit into still mode.
- 2) Perform searching of frame 37000. (Press **SEARCH** **3** **7** **0** **0** **0** **ENTER** of remote control unit.)
- 3) Make adjustment with RV004 so that output levels of CH1 and CH2 are same.

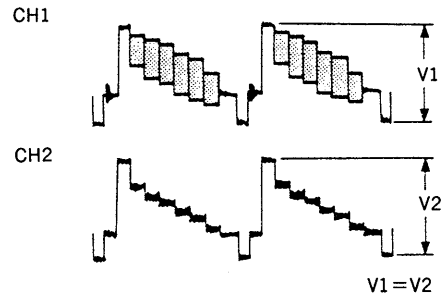


Fig. 7-14.

7-9-4. DO-DET Adjustment (SS-91 Board)

| | |
|------------------------|---|
| Mode | No disc |
| Signal | Input the sine-wave signal of 300mVp-p, 5.2MHz or 5.0MHz to TP001 (Pin ⑨ of FN001) from the signal generator. |
| Measurement point | TP005 (Pin ① of IC002) |
| Measurement instrument | Oscilloscope (DC range) |
| Adjusting element | RV005 |
| Specified value | “H” at 5.0MHz (more than 4Vdc) “L” at 5.2MHz (less than 1Vdc) |

[Preparation]

- 1) Turn off the power switch.
- 2) Connect TP001 to signal generator.
- 3) Turn on the power switch.

[Adjustment procedure]

- 1) Input a 5.0MHz, 300mVp-p sine wave.
- 2) Rotate RV005 until an approx. 3.5Vp-p random pulse is output from TP005, and remember the rotational position of RV005 at this time.
- 3) Change the input signal to 5.2MHz, 300mVp-p sine wave.
- 4) Rotate RV005 until a approx. 3.5Vp-p random pulse is output from TP005, and remember the rotational position of RV005 at this time.
- 5) Set RV005 to a center position between the positions noted in 2) and 4).
- 6) Confirm that the level at TP005 is “L” (less than 1Vdc).
- 7) Change the input signal to 5.0MHz, 300mVp-p sine wave.
- 8) Confirm that the level at TP005 is “H” (more than 4Vdc).

Note : After adjustment, return the connection to the previous state.

7-9-5. Fsc Adjustment (AV-06 Board)

| | |
|------------------------|-------------------|
| Mode | FWD play |
| Signal | REF1P |
| Measurement point | Pin ⑦ of IC902 |
| Measurement instrument | Frequency counter |
| Adjusting element | CT902 |
| Specified value | 4433618±5Hz |

Note : Connect the frequency counter through a buffer amplifier (Oscilloscope, etc.) of high input impedance (1MΩ or more) and low capacity (10pF or less).

[Adjustment procedure]

- 1) Set the unit into FWD play mode.
- 2) Adjust for 4433618±5Hz with CT902.

7-9-6. TBC Clock Adjustment (AV-06 Board)

| | |
|------------------------|--|
| Mode | FWD play |
| Signal | REF1P, Color bar portion (frame 36001 to 39000) |
| Measurement point | CH1 : TP001 (emitter of Q101) CH2 : TP002 (emitter of Q102) |
| Measurement instrument | Oscilloscope |
| Adjusting element | RV102 |
| Specified value | $\Delta t = 11.0 \pm 0.5 \mu S$ |

[Adjustment procedure]

- 1) Connect TP028 (Pin ⑬ of IC103) to TP029 (base of Q114) using a jumper wire.
- 2) Playback the color bar portion.
- 3) Adjust with RV102 so that the Δt value becomes $11.0 \pm 0.5 \mu S$.
- 4) Remove the jumper wire.

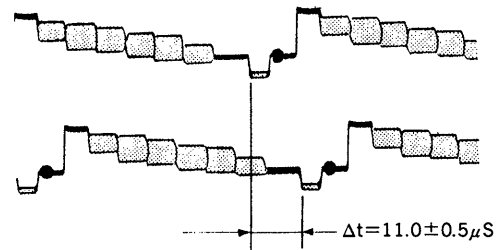


Fig. 7-15.

7-9-7. TBC CCD Bias Adjustment (AV-06 Board)

| | |
|------------------------|--------------------------------|
| Mode | Still |
| Signal | REF1P, frame 37000 (color bar) |
| Measurement point | TP002 (Emitter of Q102) |
| Measurement instrument | Oscilloscope (DC range) |
| Adjusting element | RV101 |
| Specified value | $2.0 \pm 0.1 Vdc$ |

[Adjustment procedure]

- 1) Perform searching of frame 37000. (Press of remote control unit.)
- 2) Adjust for $2.0 \pm 0.1 Vdc$ with RV101.

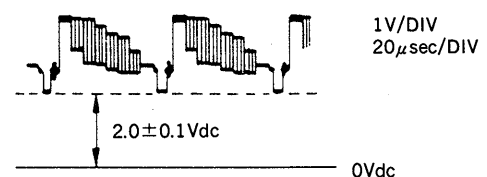


Fig. 7-16.

7-9-8. TBC Half H Killer Adjustment (AV-06 Board)

| | |
|------------------------|---|
| Mode | FWD play |
| Signal | REF1P, color bar portion (frame 36001 to 39000) |
| Measurement point | Pin ⑤ of IC103. |
| Measurement instrument | Oscilloscope |
| Adjusting element | RV103 |
| Specified value | $5.1 \pm 0.5 \mu\text{S}$ |

[Adjustment procedure]

- Adjust with RV103 so that width of output pulse become $5.1 \pm 0.5 \mu\text{S}$.

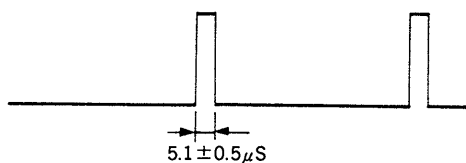


Fig. 7-17.

7-9-9. Video Out Level Adjustment (AV-06 Board)

| | |
|------------------------|---|
| Mode | FWD play |
| Signal | REF1P, color bar portion (frame 36001 to 39000) |
| Measurement point | TP020 (Pin ③ of CN010) |
| Measurement instrument | Oscilloscope |
| Adjusting element | RV701 |
| Specified value | $2.0 \pm 0.5 \text{V}_{\text{p-p}}$ |

[Adjustment procedure]

- Adjust for $2.0 \pm 0.5 \text{V}_{\text{p-p}}$ with RV701.

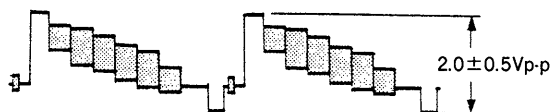


Fig. 7-18.

7-9-10. Color Framing Y Level Adjustment (AV-06 Board)

| | |
|------------------------|-------------------------------------|
| Mode | Still |
| Signal | REF1P, frame 37000 (color bar) |
| Measurement point | TP020 (Pin ③ of CN010) |
| Measurement instrument | Oscilloscope |
| Adjusting element | RV703 |
| Specified value | $2.0 \pm 0.5 \text{V}_{\text{p-p}}$ |

[Adjustment procedure]

- Perform searching of frame 37000. (Press **SEARCH** **3** **7** **0** **0** **0** **ENTER** of remote control unit.)
- Adjust for $2.0 \pm 0.5 \text{V}_{\text{p-p}}$ with RV703.

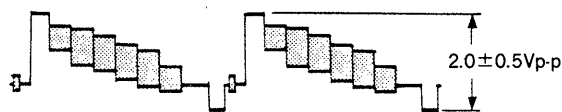


Fig. 7-19.

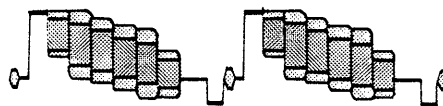
7-9-11. Color Framing V Invert Level Adjustment (AV-06 Board)

| | |
|------------------------|--|
| Mode | Still |
| Signal | REF1P, frame 37000 (color bar) |
| Measurement point | TP020 (Pin ③ of CN010) |
| Measurement instrument | Oscilloscope |
| Adjusting element | RV705 |
| Specified value | Swing of chroma part of output waveform becomes minimum. |

[Adjustment procedure]

- Perform searching of frame 37000. (Press **SEARCH** **3** **7** **0** **0** **0** **ENTER** of remote control unit.)
- By RV705, make adjustment so that swing of chroma part of output waveform is minimum.

No good



Good

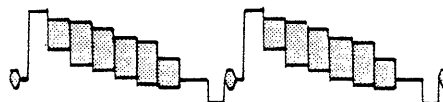


Fig. 7-20.

7-9-12. Color Framing Chroma Level Adjustment (AV-06 Board)

| | |
|------------------------|--|
| Mode | Still and FWD play |
| Signal | REF1P, color bar portion (frame 36001 to 39000) |
| Measurement point | TP020 (Pin ③ of CN010) |
| Measurement instrument | Oscilloscope |
| Adjusting element | RV704 |
| Specified value | Red chroma level for still shall be same with the red chroma level for FWD play. |

[Adjustment procedure]

- 1) Playback the color bar portion.
- 2) Record the red chroma level of output waveform.
- 3) set the unit into still mode.
- 4) Adjust the red chroma level so as to be same with the value recorded in 2).

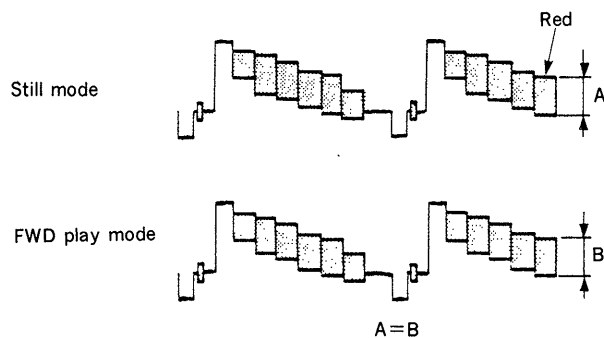


Fig. 7-21.

7-10. NTSC VIDEO SYSTEM ADJUSTMENT

- LDP-3300P is not provided with NTSC video system.
- LDP-3600D is provided with PAL/NTSC dual system.

Therefore, perform NTSC video system adjustment. For common adjustment of both systems, perform PAL video system adjustment.

7-10-1. DE-MOD Out Level Adjustment (SS-91 Board)

| | |
|------------------------|---|
| Mode | Still |
| Signal | REF5B/5C (Note 1), Chapter 14 (color bar) |
| Measurement point | TP006 (Pin ① of CN006) |
| Measurement instrument | Oscilloscope |
| Adjusting element | RV003 |
| Specified value | $0.475 \pm 0.025V$ (Note1) |

Note 1 : The specified value in case using REF5A disc is " $0.5 \pm 0.025V$ ".

[Adjustment procedure]

- 1) Perform searching of chapter 14. (Press **SEARCH** **MODE** **1** **4** **ENTER** of remote control unit.)
- 2) Adjust for $0.475 \pm 0.025V$ (Note1) with RV003.

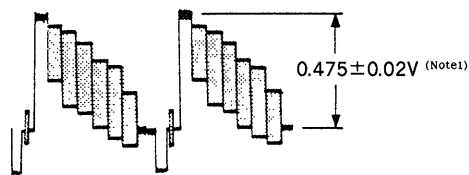


Fig. 7-22.

7-10-2. DOC Check (SS-91 Board)

| | |
|------------------------|------------------------------------|
| Mode | Still |
| Signal | REF5A/5B/5C, Chapter 2 (color bar) |
| Measurement point | Pin ② of IC010 |
| Measurement instrument | Oscilloscope |
| Specified value | No chroma signal |

[Checking Procedure]

- 1) Perform searching of chapter 2. (Press **SEARCH** **MODE** **2** **ENTER** of remote control unit.)
- 2) Confirm that there is no chroma signal.
- 3) If the specifications are not satisfied, recheck 7-9-3. DOC level adjustment.

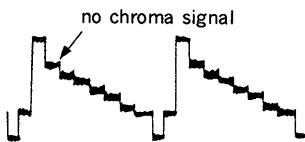


Fig. 7-23.

7-10-3. DO-DET Adjustment (SS-91 Board)

| | |
|------------------------|--|
| Mode | No disc |
| Signal | Input the sine wave signals of 5.2MHz, 300mVp-p or 5.4MHz, 300mVp-p to TP001 (Pin ⑨ of FN001) from the signal generator. |
| Measurement point | TP005 (Pin ① of IC002) |
| Measurement instrument | Oscilloscope (DC range) |
| Adjusting element | RV002 |
| Specified value | "H" at 5.2MHz (more than 4Vdc) "L" at 5.4MHz (less than 1Vdc) |

[Preparation]

- 1) Turn off the power switch.
- 2) Connect jumper wires between TP908 and Pin ① of CN001, and between TP909 and Pin ⑦ of CN011.
- 3) Connect TP001 to signal generator.
- 4) Turn on the power switch.

[Adjustment procedure]

- 1) Input a 5.2MHz, 300mVp-p sine wave.
- 2) Rotate RV002 until a approx. 3.5Vp-p random pulse is output from TP005, and remember the rotational position of RV002 at this time.
- 3) Change the input signal to 5.4MHz, 300mVp-p sine wave.
- 4) Rotate RV002 until a approx. 3.5Vp-p random pulse is output from TP005, and remember the rotational position of RV002 at this time.
- 5) Set RV002 to a center position between the positions noted in 2) and 4).
- 6) Confirm that the level at TP005 is "L" (less than 1Vdc).
- 7) Change the input signal to 5.4MHz, 300mVp-p sine wave.
- 8) Confirm that the level at TP005 is "H" (more than 4Vdc).

Note : After adjustment return the connection to the previous state.

7-10-4. Fsc Adjustment (AV-06 Board)

| | |
|------------------------|-------------------|
| Mode | FWD play |
| Signal | REF5A/5B/5C |
| Measurement point | Pin ⑦ of IC902 |
| Measurement instrument | Frequency counter |
| Adjusting element | CT901 |
| Specified value | 3579545±5Hz |

Note : Connect the frequency counter through a buffer amplifier (Oscilloscope, etc.) of high input impedance (1MΩ or more) and low capacity (10pF or less).

[Adjustment procedure]

- 1) Set the unit into FWD play mode.
- 2) Adjust for 3579545±5Hz with CT901.

7-10-5. Video Out Level Adjustment (AV-06 Board)

| | |
|------------------------|------------------------------------|
| Mode | FWD play |
| Signal | REF5A/5B/5C, Chapter 2 (color bar) |
| Measurement point | TP020 (Pin ③ of CN010) |
| Measurement instrument | Oscilloscope |
| Adjusting element | RV706 |
| Specified value | 2.0±0.5Vp-p |

[Adjustment procedure]

- 1) Perform searching of chapter 2. (Press **REPEAT** **MODE** **2** **ENTER** **10** **ENTER** of remote control unit.)
- 2) Set the unit into FWD play mode.
- 3) Adjust for 2.0±0.5Vp-p with RV706.

7-11. AUDIO SYSTEM ADJUSTMENT

7-11-1. PAL Audio Output Level Adjustment (AV-06 Board)

| | |
|------------------------|---|
| Mode | FWD play |
| Signal | REF1P, Chapter 5 (1kHz, 40%) |
| Measurement point | 1/L [2/R] terminal of audio line output |
| Measurement instrument | Audio level meter or oscilloscope |
| Adjusting element | RV201 [RV202] |
| Specified value | Audio level meter : -9.5±1.0dBs Oscilloscope : 0.73±0.01Vp-p |

Note : [] : Adjusting element for 2/R CH.

[Adjustment procedure]

- 1) Search chapter 5. (Press **REPEAT** **5** **ENTER** **9** **ENTER** of remote control unit.)
- 2) Adjust RV201 [RV202] for -9.5±1.0dBs or 0.73±0.01Vp-p.

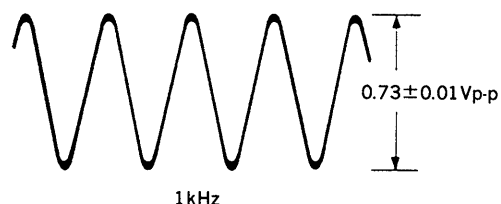


Fig. 7-24.

7-11-2. NTSC Audio Output Level Adjustment (AU-52 Board) (LDP-3600D)

| | |
|------------------------|---|
| Mode | FWD play |
| Signal | REF5A/5B/5C, Chapter 6 (1kHz, 100%) |
| Measurement point | 1/L [2/R] terminal of audio line output |
| Measurement instrument | Audio level meter or oscilloscope |
| Adjusting element | RV301 [RV302] |
| Specified value | Audio level meter : -1.5±1.0dBs Oscilloscope : 1.8±0.1Vp-p |

Note : [] : Adjusting element for 2/R CH.

[Adjustment procedure]

- 1) Search chapter 6, (Press **REPEAT** **6** **ENTER** **9** **ENTER** of remote control unit.)
- 2) Adjust RV301 [RV302] for -1.5±1.0dBs or 1.8±0.1Vp-p.

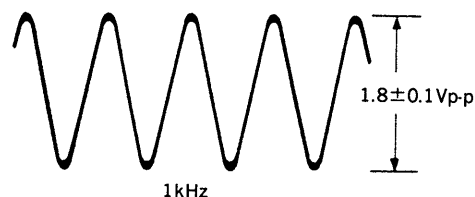
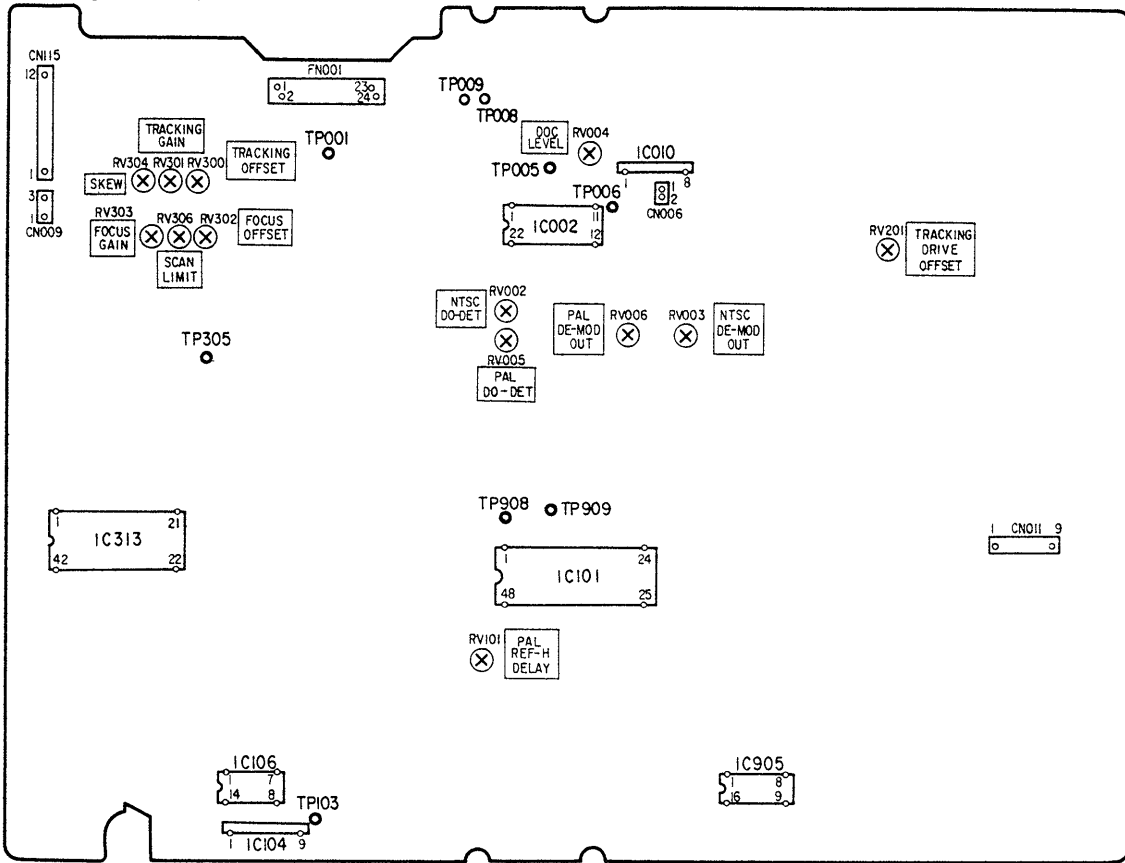


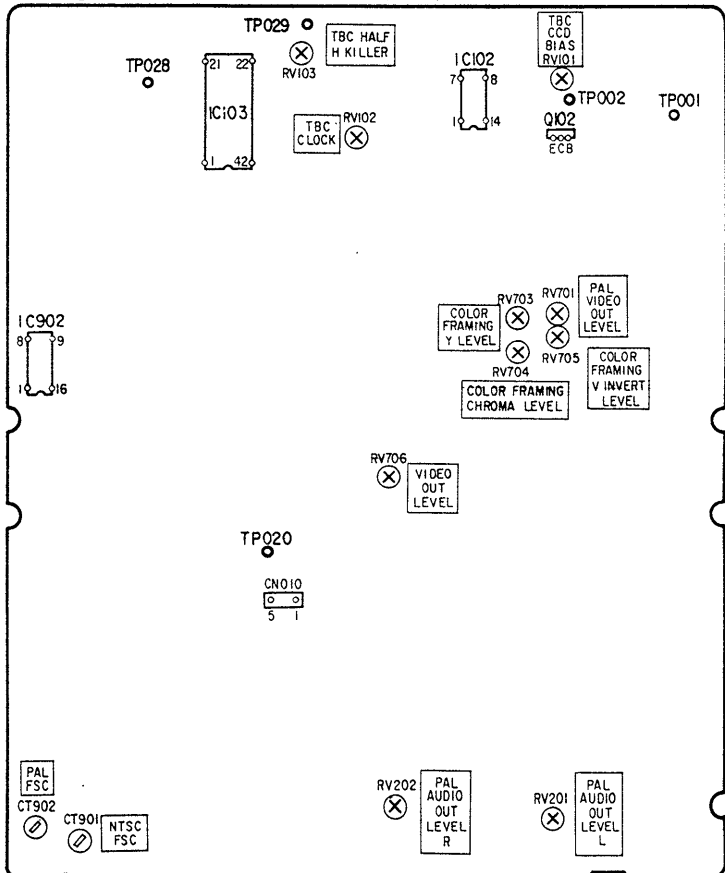
Fig. 7-25.

7-12. ADJUSTMENT ELEMENTS LOCATION

55-91 BOARD (CONDUCTOR SIDE)



AV-06 BOARD (CONDUCTOR SIDE)



AU-52 BOARD (CONDUCTOR SIDE)



LDP-3300P/3600D

SONY[®] SERVICE MANUAL

AEP Model
UK Model

SUPPLEMENT-2

File this supplement-2 with the service manual.

Subject: PC BOARDS Change

- Part number suffix of pc boards have been changed as shown below.

| | |
|--------------|--------------|
| SW-104 board | 1-630-495-12 |
| SW-105 board | 1-630-496-13 |
| SW-112 board | 1-630-497-12 |
| SS-91 board | 1-630-484-14 |
| AV-06 board | 1-630-485-15 |
| CP-25 board | 1-630-502-14 |
| FP-176 board | 1-630-493-13 |
| HP-54 board | 1-630-491-13 |
| LD-16 board | 1-630-501-12 |
| AC-46 board | 1-630-492-13 |
| DC-14 board | 1-630-487-13 |
| DC-15 board | 1-630-488-13 |
| DC-19 board | 1-630-489-12 |
| DC-20 board | 1-630-490-12 |
| PW-63 board | 1-630-499-12 |
| PW-64 board | 1-630-500-12 |

- Section 1-8-1. NTSC PB-H Delay Adjustment and 1-8-2. PAL PB-H Delay Adjustment of electrical adjustments are omitted.

Note

Page number shown by (See page. xx) in schematic diagram is page number shown by (xx) on lower part of each page.

Example

Schematic diagram

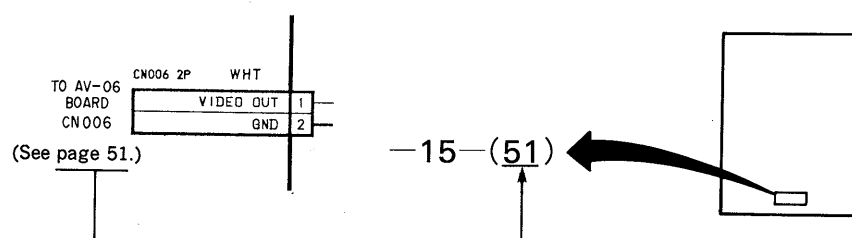


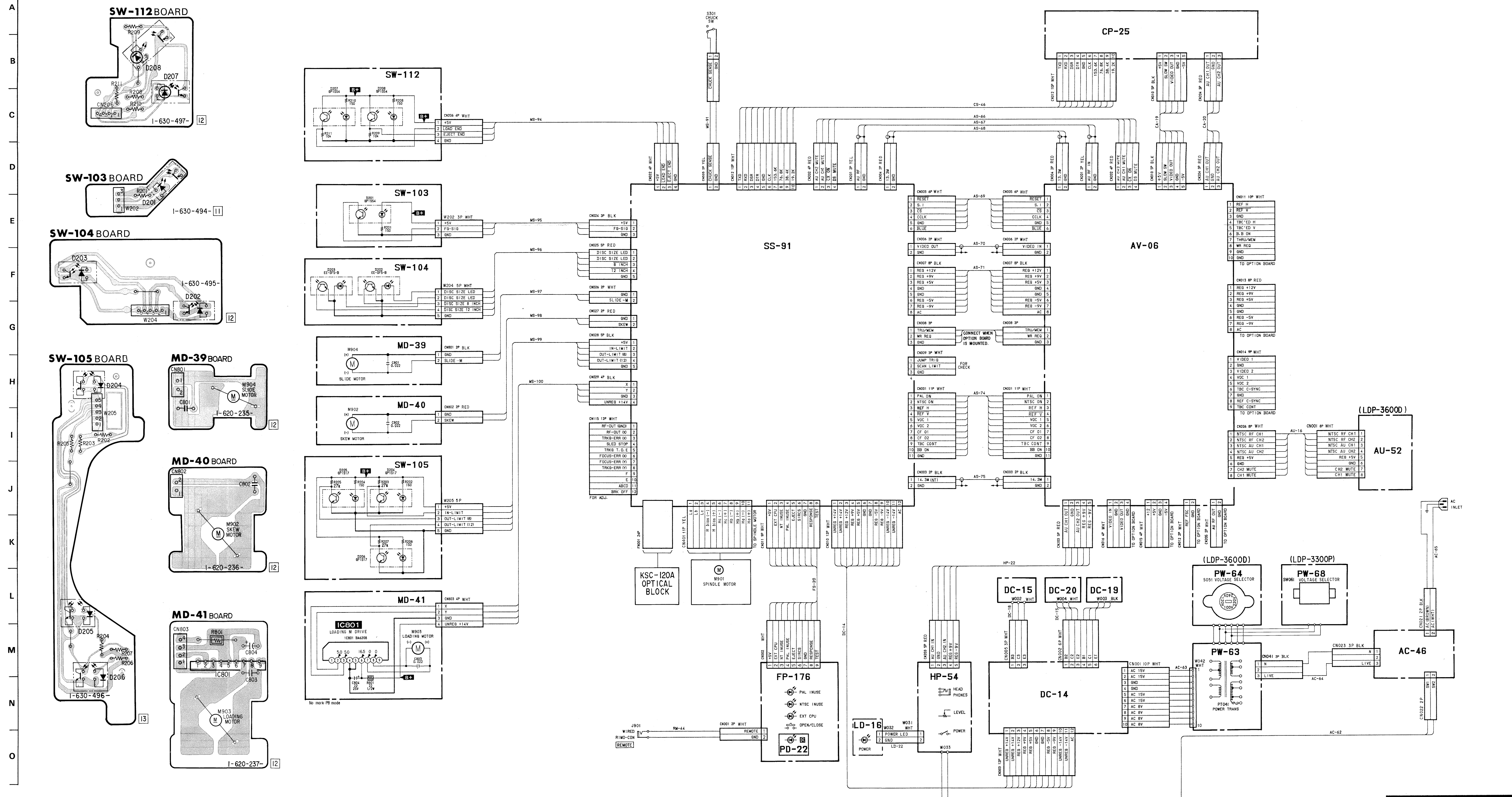
TABLE OF CONTENTS

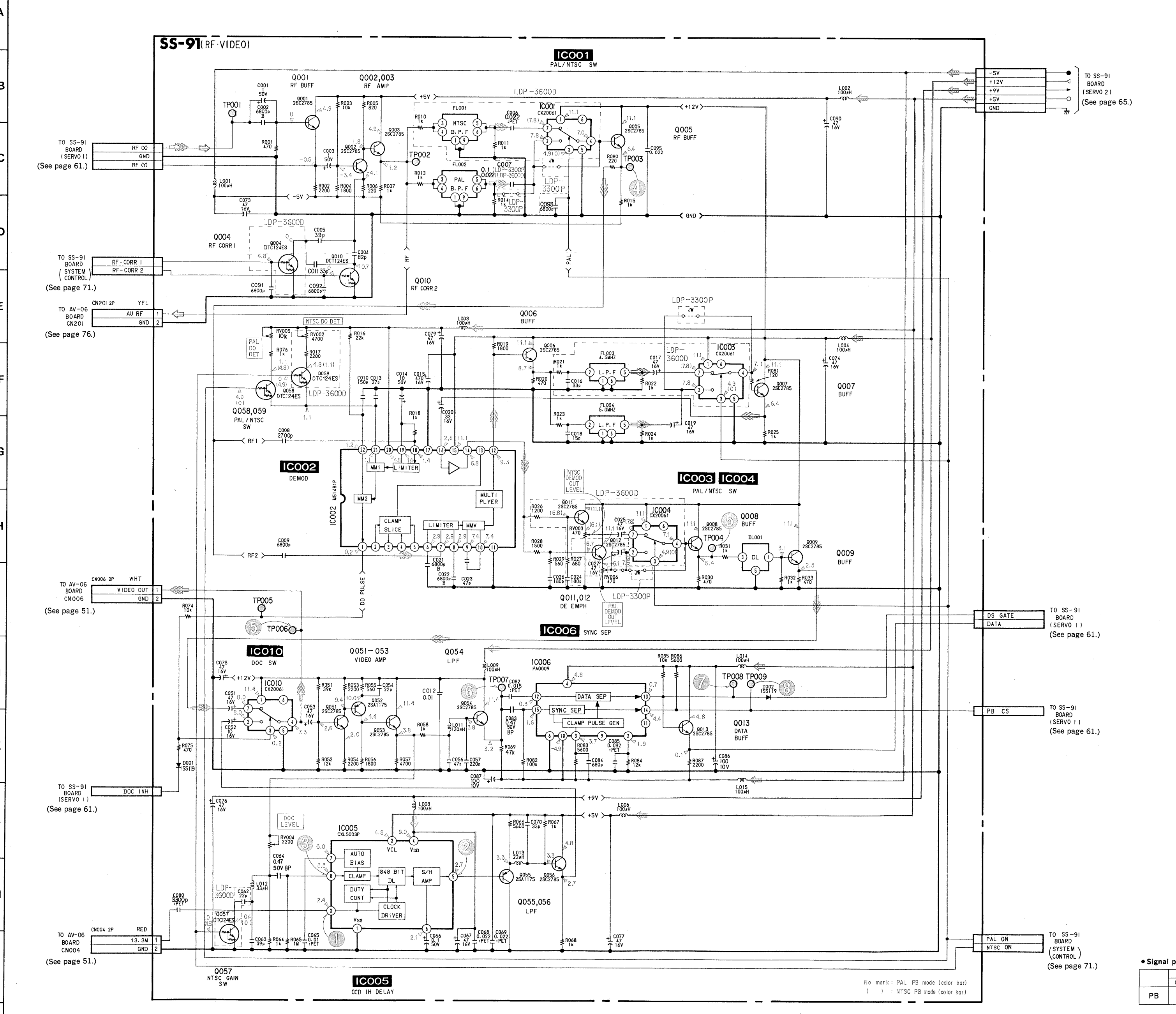
| <u>Section</u> | <u>Title</u> | <u>Page</u> |
|----------------|--|-------------|
| 4. | PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS | |
| 4-1. | Printed Wiring Boards and Schematic Diagrams | 3 |
| | ● Frame Schematic Diagram, MD-39, MD-40, MD-41, SW-103, SW-104, SW-105 and SW-112 Boards | 3 |
| | ● SS-91 (RF•Video) Board | 8 |
| | ● AV-06 (Video(1)) Board | 13 |
| | ● AV-06 (Video(2)) Board | 18 |
| | ● SS-91 (Servo(1)) Board | 23 |
| | ● SS-91 (Servo(2)) Board | 28 |
| | ● FP-176, PD-22, CP-25 and SS-91 (System Control) Boards | 34 |
| | ● AV-06 (Audio), AU-52, HP-54 and LD-16 Boards | 40 |
| | ● AC-46, DC-14, DC-15, DC-19, DC-20, PW-63, PW-64 and PW-68 | 45 |
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| 4-2. | Semiconductors | 51 |
| 6. | ELECTRICAL PARTS LIST | 52 |
| | HARDWARE LIST | 72 |

SECTION 4
PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

4-1. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

FRAME SCHEMATIC DIAGRAM AND MD-39 (SLIDE MOTOR), MD-40 (SKEW MOTOR), MD-41 (LOADING MOTOR), SW-103 (FG DET), SW-104 (DISC SIZE DET), SW-105 (IN/OUT LIMIT DET), SW-112 (LOAD/EJECT END DET) PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAM
—Ref. No. MD-39, MD-40, MD-41, SW-103, SW-104, SW-105 and SW-112 BOARDS: 1,000 series—





THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS.
 (In addition to this, the necessary note is printed in each block.)

CAUTION OF SERVICING

- Do not make insertion or ejection of the disc with the set as shown in Fig. A. The disc may be damaged.
- When operates with the state as Fig. A.

For printed wiring board

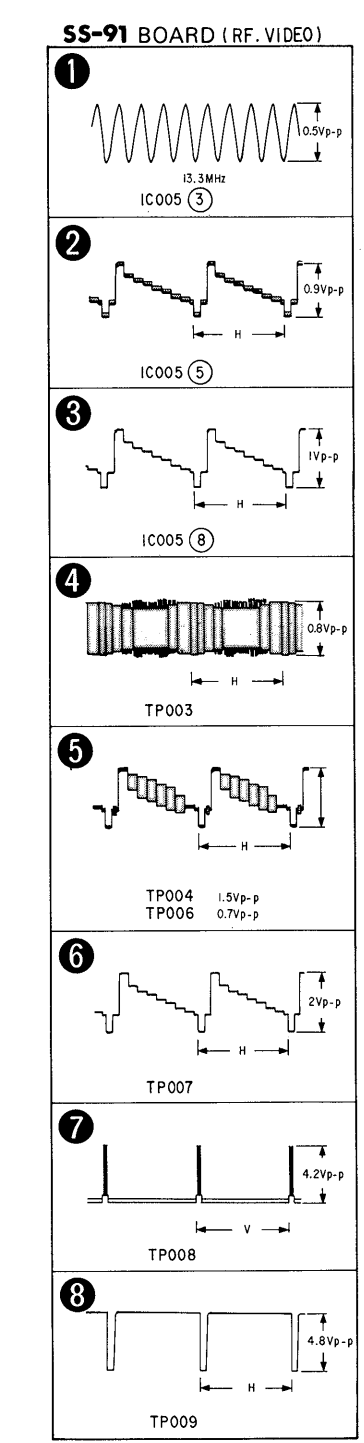
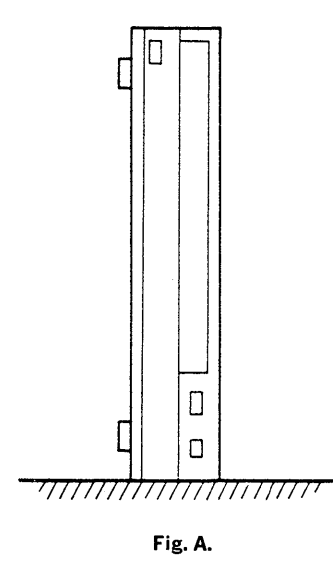
- — indicates a lead wire mounted on the component side.
- — indicates a lead wire mounted on the conductor side.
- — Jumper wire connected to the ground pattern on the component side.
- — Jumper wire connected to another jumper wire by the pattern on the component side.
- conductor side.
- Circled numbers refer to waveforms.

For schematic diagram

- All resistors are in ohms, 1/4W unless otherwise noted. kΩ: 1000Ω, MΩ: 1000kΩ.
- All capacitors are in μF unless otherwise noted. pF: μμF. 50V or less are not indicated except for electrolytics and tantalums.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- nonflammable resistor.
- fusible resistor.
- panel designation.
- internal component.
- adjustment for repair.
- B + Line.
- B - Line.
- IN/OUT direction of B (+, -) line.
- Circled numbers refer to waveforms.
- Voltages are dc between ground and measurement points.
- Readings are taken with a playback color-bar signal of standard disc.
- Readings are taken with a digital multimeter (DC10MΩ).
- Voltage variations may be noted due to normal production tolerances.

Note: The components identified by mark **A** or dotted line with mark **A** are critical for safety. Replace only with part number specified.

When indicating parts by reference number, please include the board name.



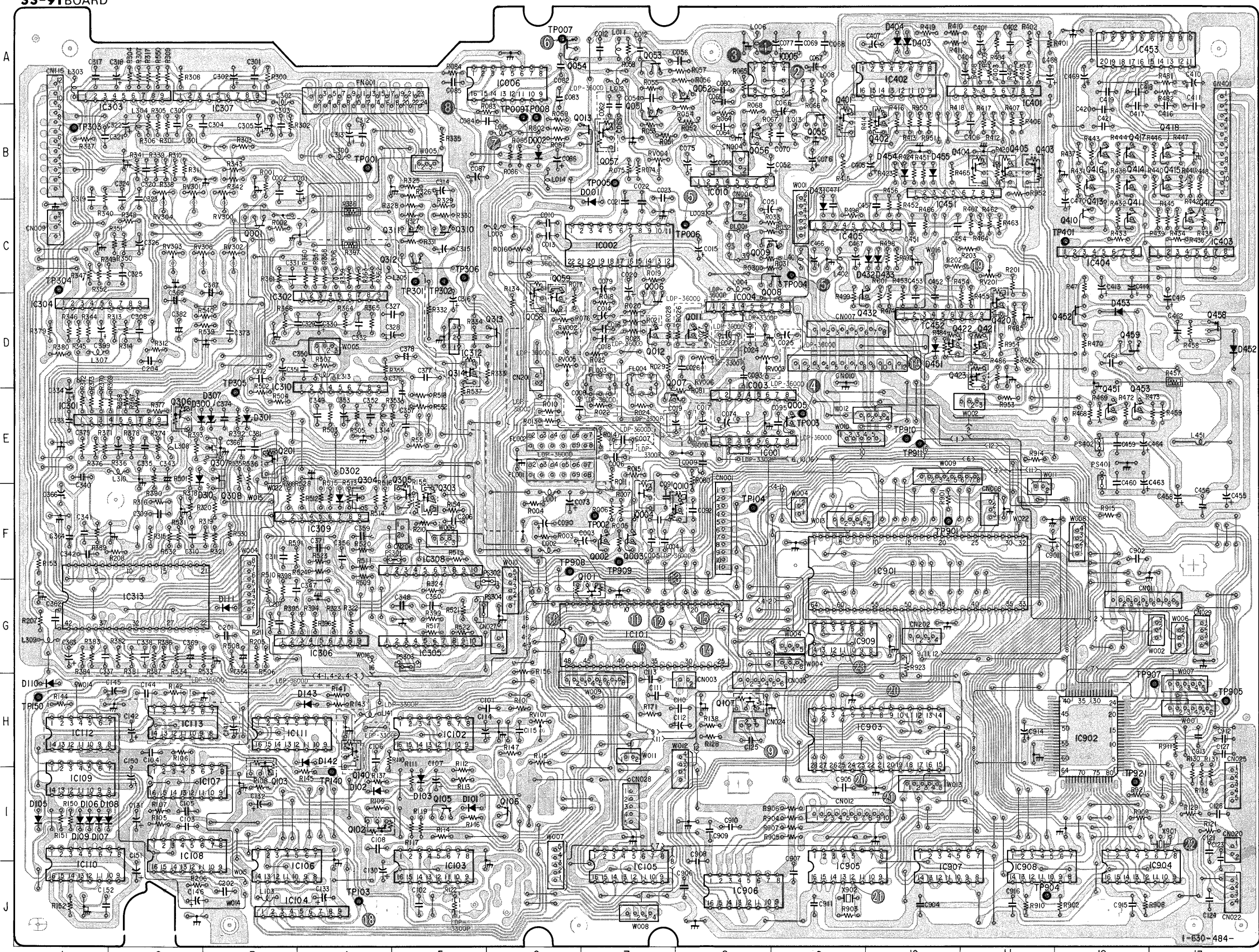
• Signal path

| PB | VIDEO Signal | | AUDIO Signal |
|----|--------------|------------|--------------|
| | CHROMA | Y / CHROMA | Signal |
| → | → | → | → |

SS-91 (RF · VIDEO) PRINTED WIRING BOARD

—Ref. No. SS-91 BOARD: 7,000 series—

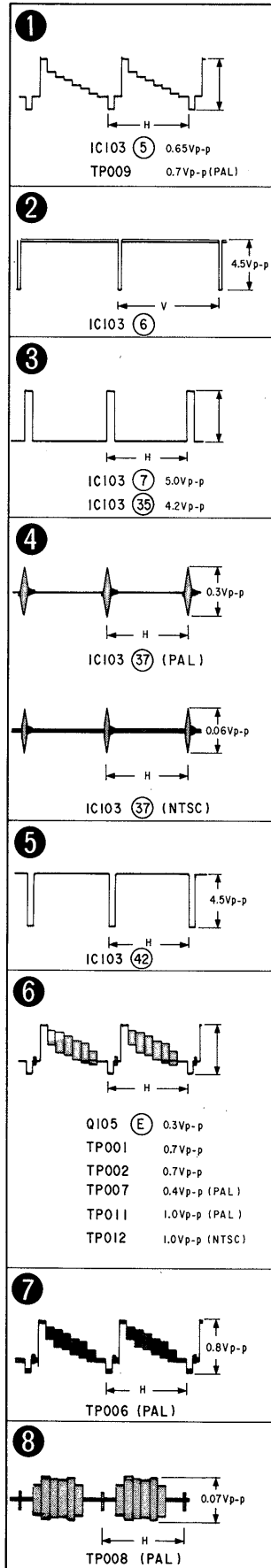
SS-91 BOARD



| | | | | | |
|-------|------|-------|------|-------|------|
| CN001 | F-8 | IC452 | D-10 | RV306 | C-3 |
| CN003 | H-8 | IC453 | A-13 | TP001 | B-4 |
| CN004 | B-8 | IC901 | F-10 | TP002 | E-7 |
| CN005 | H-8 | IC902 | H-10 | TP003 | E-9 |
| CN006 | C-8 | IC903 | H-12 | TP004 | C-9 |
| CN007 | D-9 | IC904 | J-13 | TP005 | B-7 |
| CN008 | F-11 | IC905 | J-9 | TP006 | C-8 |
| CN009 | C-1 | IC906 | J-8 | TP007 | A-6 |
| CN010 | D-9 | IC907 | J-10 | TP008 | B-6 |
| CN011 | G-12 | IC908 | J-11 | TP009 | B-6 |
| CN012 | I-9 | IC909 | G-9 | TP103 | J-4 |
| CN020 | I-13 | | | TP104 | F-8 |
| CN022 | J-13 | Q001 | C-3 | TP140 | I-4 |
| CN024 | H-8 | Q002 | F-7 | TP150 | H-1 |
| CN025 | I-13 | Q003 | F-7 | TP301 | C-5 |
| CN026 | F-5 | Q004 | F-7 | TP302 | C-5 |
| CN027 | G-6 | Q005 | H-8 | TP303 | B-1 |
| CN028 | I-7 | Q006 | D-7 | TP304 | C-1 |
| CN029 | G-13 | Q007 | E-8 | TP305 | D-3 |
| CN115 | A-1 | Q008 | C-9 | TP306 | C-5 |
| CN201 | D-6 | Q009 | C-9 | TP401 | C-12 |
| CN202 | G-10 | Q010 | F-8 | TP901 | F-10 |
| CN401 | B-13 | Q011 | D-8 | TP904 | J-11 |
| | | Q012 | D-7 | TP905 | H-13 |
| D001 | C-7 | Q013 | B-7 | TP908 | F-6 |
| D002 | B-6 | Q051 | B-7 | TP909 | F-7 |
| D101 | I-5 | Q052 | A-8 | TP910 | E-10 |
| D102 | I-4 | Q053 | A-7 | TP911 | E-10 |
| D103 | I-5 | Q054 | A-6 | | |
| D105 | I-1 | Q055 | B-9 | | |
| D106 | I-1 | Q056 | B-8 | | |
| D107 | I-1 | Q057 | B-7 | | |
| D108 | I-1 | Q058 | D-6 | | |
| D109 | I-1 | Q059 | D-6 | | |
| D110 | H-1 | Q101 | G-7 | | |
| D111 | G-3 | Q102 | I-4 | | |
| D142 | H-4 | Q103 | I-3 | | |
| D143 | H-4 | Q104 | J-6 | | |
| D300 | E-3 | Q105 | I-5 | | |
| D301 | E-3 | Q106 | I-6 | | |
| D302 | F-4 | Q107 | H-8 | | |
| D307 | E-3 | Q108 | I-6 | | |
| D310 | E-3 | Q140 | H-4 | | |
| D403 | A-10 | Q201 | E-3 | | |
| D404 | A-10 | Q303 | F-5 | | |
| D431 | C-9 | Q304 | F-4 | | |
| D432 | C-10 | Q305 | F-5 | | |
| D452 | D-13 | Q306 | E-2 | | |
| D453 | D-12 | Q307 | E-3 | | |
| D454 | B-10 | Q308 | F-3 | | |
| D455 | B-10 | Q310 | C-5 | | |
| D433 | C-10 | Q311 | C-5 | | |
| D451 | D-10 | Q312 | C-5 | | |
| | | Q313 | D-6 | | |
| IC001 | E-8 | Q314 | D-5 | | |
| IC002 | C-7 | Q401 | B-9 | | |
| IC003 | E-8 | Q402 | B-10 | | |
| IC004 | D-8 | Q403 | B-11 | | |
| IC005 | A-9 | Q404 | B-11 | | |
| IC006 | A-6 | Q405 | B-11 | | |
| IC010 | B-8 | Q410 | C-12 | | |
| IC101 | G-7 | Q411 | C-12 | | |
| IC102 | H-5 | Q412 | C-13 | | |
| IC103 | J-5 | Q413 | B-12 | | |
| IC104 | J-3 | Q414 | B-12 | | |
| IC105 | J-7 | Q415 | B-13 | | |
| IC106 | J-3 | Q416 | B-12 | | |
| IC107 | I-2 | Q417 | B-12 | | |
| IC108 | I-2 | Q418 | B-13 | | |
| IC109 | I-1 | Q420 | D-11 | | |
| IC110 | J-1 | Q421 | D-11 | | |
| IC111 | H-3 | Q422 | D-11 | | |
| IC112 | H-1 | Q423 | D-11 | | |
| IC113 | H-2 | Q432 | D-10 | | |
| IC301 | E-1 | Q451 | E-12 | | |
| IC302 | D-4 | Q452 | D-12 | | |
| IC303 | A-2 | Q453 | E-12 | | |
| IC304 | D-1 | Q458 | D-13 | | |
| IC305 | G-5 | Q459 | D-12 | | |
| IC306 | G-4 | | | | |
| IC307 | A-3 | RV002 | D-6 | | |
| IC308 | F-5 | RV003 | D-8 | | |
| IC309 | F-4 | RV004 | B-7 | | |
| IC310 | E-4 | RV005 | D-6 | | |
| IC312 | D-5 | RV006 | D-8 | | |
| IC313 | G-2 | RV101 | H-6 | | |
| IC401 | A-11 | RV201 | C-11 | | |
| IC402 | A-10 | RV300 | C-3 | | |
| IC403 | C-13 | RV301 | C-2 | | |
| IC404 | C-12 | RV302 | C-3 | | |
| IC405 | C-9 | RV303 | C-2 | | |
| IC451 | B-10 | RV304 | G-2 | | |

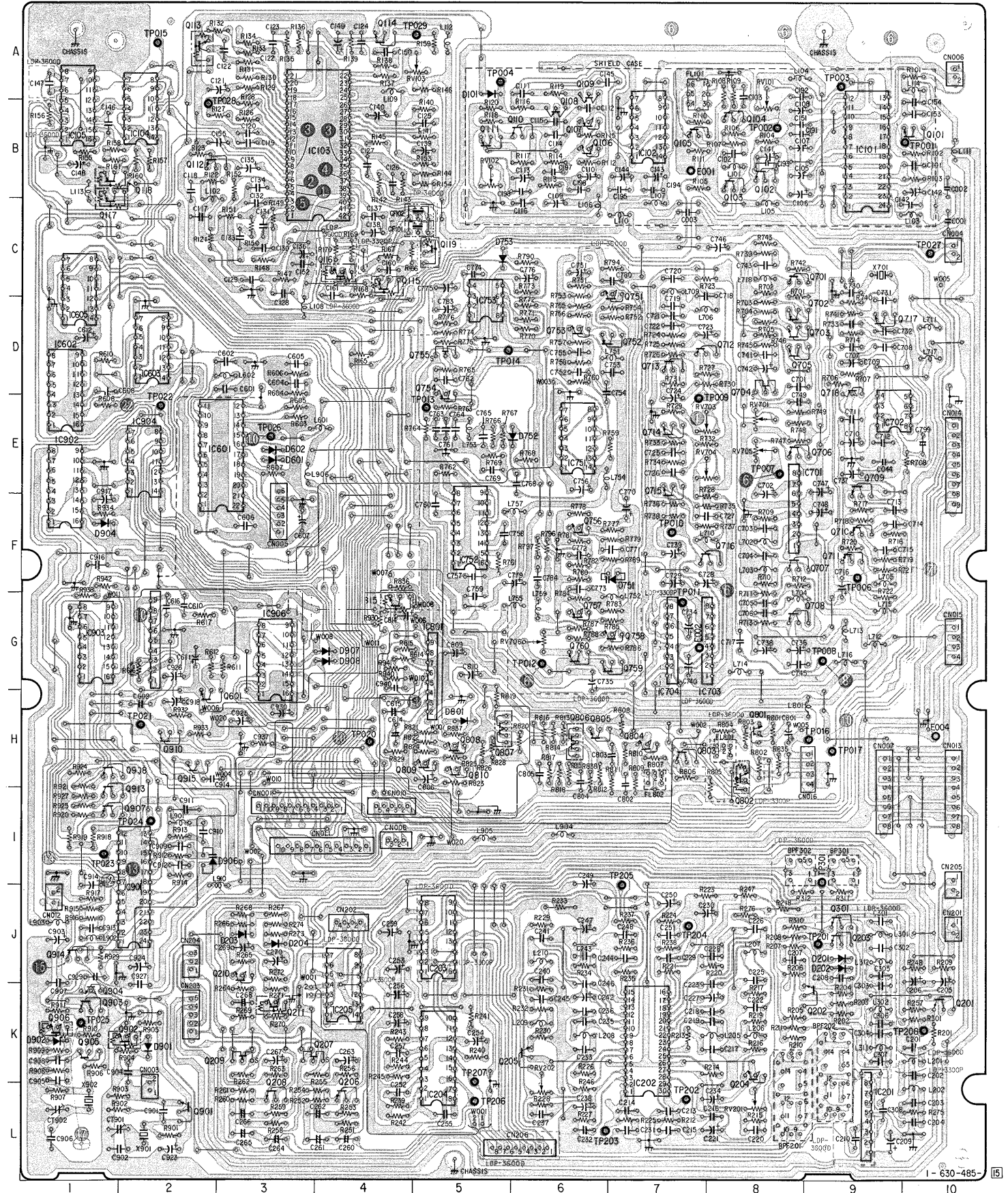
AV-06 (VIDEO (1) —VIDEO TBC—) PRINTED WIRING BOARD
 —Ref. No. AV-06 BOARD: 2,000 series—

AV-06 BOARD (VIDEO 1)

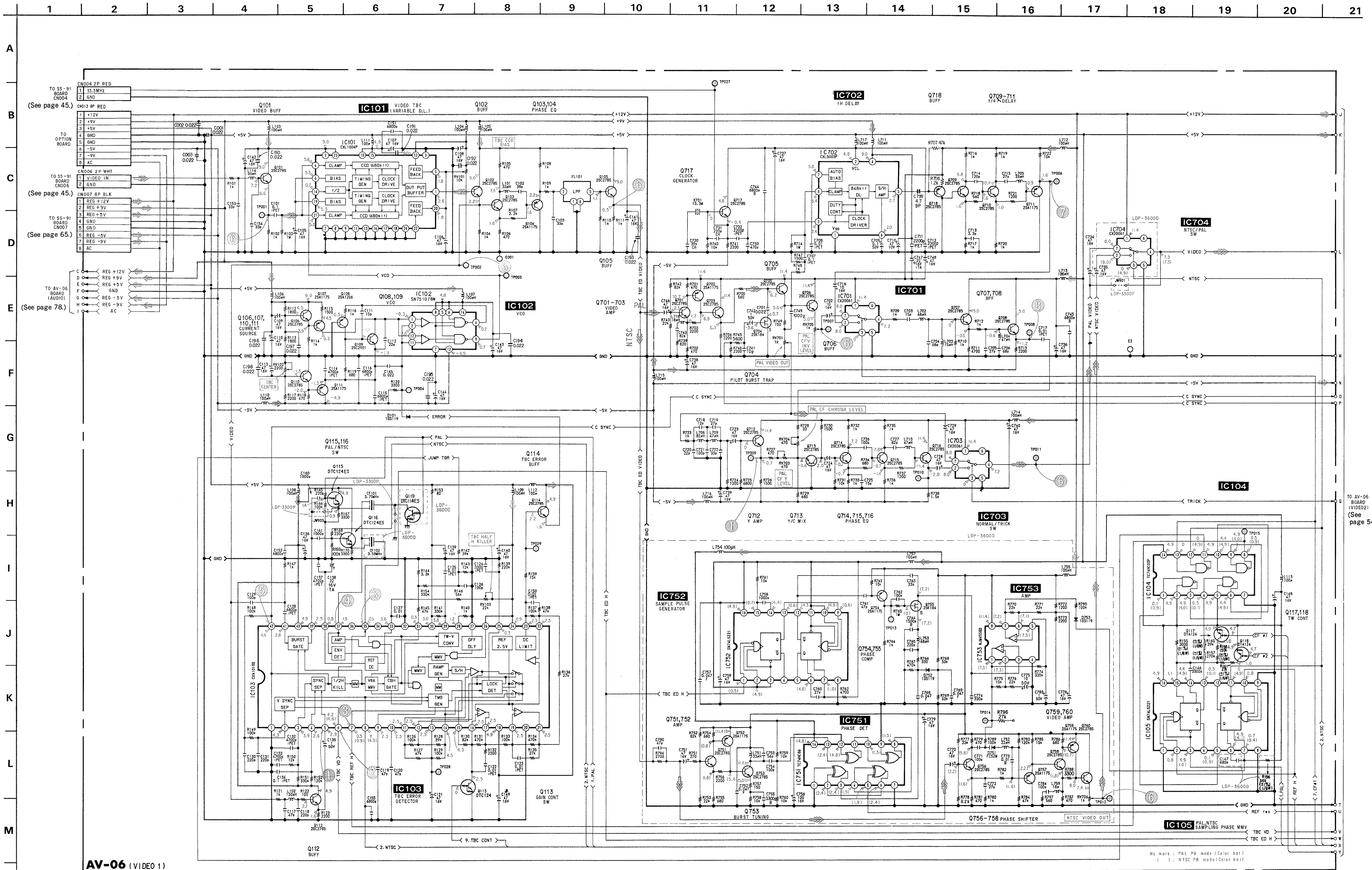


| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------|-----------|------------|-----------|------------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|-----------|------------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|
| CN001 I-3 | CN003 K-2 | CN004 C-10 | CN005 F-3 | CN006 A-10 | CN007 H-9 | CN008 I-4 | CN010 I-4 | CN011 I-4 | CN012 J-1 | CN013 H-10 | CN014 E-10 | CN015 G-10 | CN016 H-9 | CN201 J-10 | CN202 J-4 | CN203 K-2 | CN204 J-2 | CN205 I-10 | CN206 L-6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CT901 L-2 | D101 A-5 | D201 J-9 | D202 J-9 | D203 J-3 | D204 J-3 | D601 E-3 | D602 E-3 | D751 F-7 | D752 E-6 | D753 C-5 | D801 H-5 | D901 K-2 | D902 K-1 | D904 F-1 | D906 I-2 | D907 G-4 | D908 G-4 | IC101 B-9 | IC102 B-7 | IC103 B-4 | IC104 B-2 | IC105 B-1 | IC201 L-9 | IC202 K-7 | IC203 J-5 | IC204 K-5 | IC205 K-4 | IC601 E-3 | IC602 D-1 | IC603 D-2 | IC604 G-2 | IC605 D-1 | IC701 E-8 | IC702 E-9 | IC703 G-8 | IC704 G-7 | IC751 E-6 | IC752 F-5 | IC753 D-5 | IC801 G-5 | IC901 I-2 | IC902 E-1 | IC903 G-1 | IC904 E-2 | IC906 G-3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Q203 J-9 | Q204 K-8 | Q205 K-6 | Q206 I-4 | Q207 K-3 | Q208 L-3 | Q209 K-3 | Q210 J-3 | Q211 K-3 | Q301 J-9 | Q601 G-2 | Q701 C-9 | Q702 D-8 | Q703 D-8 | Q704 D-8 | Q705 D-8 | Q706 E-9 | Q707 F-8 | Q708 G-8 | Q709 E-9 | Q710 F-9 | Q711 F-9 | Q712 D-8 | Q713 D-7 | Q714 E-7 | Q715 E-7 | Q716 F-8 | Q717 D-9 | Q718 D-9 | Q751 C-7 | Q752 D-7 | Q753 D-6 | Q754 D-5 | Q755 D-5 | Q756 F-6 | Q757 G-6 | Q758 G-7 | Q759 G-7 | Q801 H-8 | Q802 H-8 | Q803 H-7 | Q804 H-7 | Q805 H-6 | Q806 H-6 | Q807 H-5 | Q808 H-5 | Q809 H-5 | Q810 H-5 | Q815 G-4 | Q901 L-2 | Q902 K-2 | Q903 K-1 | Q904 K-1 | Q905 K-1 | Q906 K-1 | Q907 I-1 | Q908 H-2 | Q910 H-2 | Q913 I-1 | Q914 J-1 | Q915 H-2 | RV101 B-8 | RV102 B-5 | RV103 A-5 | RV201 L-8 | RV202 K-6 | RV701 E-8 | RV703 E-8 | RV704 E-8 | RV705 E-8 | RV706 G-6 | TP001 B-10 | TP002 B-8 | TP003 A-9 | TP004 A-5 | TP006 F-9 | TP007 E-8 | TP008 G-9 | TP009 D-8 | TP010 F-7 | TP011 G-7 | TP012 G-6 | TP013 E-5 | TP014 D-5 | TP015 A-2 | TP016 H-9 | TP017 H-9 | TP020 H-4 | TP021 H-2 | TP022 E-2 | TP023 I-1 | TP024 I-2 | TP025 K-1 | TP026 E-3 | TP027 C-10 | TP028 B-2 | TP029 A-5 | TP201 J-9 | TP202 L-7 | TP203 L-6 | TP204 J-7 | TP205 I-7 | TP206 L-5 | TP207 K-5 | TP208 K-10 | TP301 I-9 |

AV-06 BOARD



AV-06 (VIDEO 1) —VIDEO TBC— SCHEMATIC DIAGRAM
 —Ref. No. AV-06 BOARD: 2,000 series—

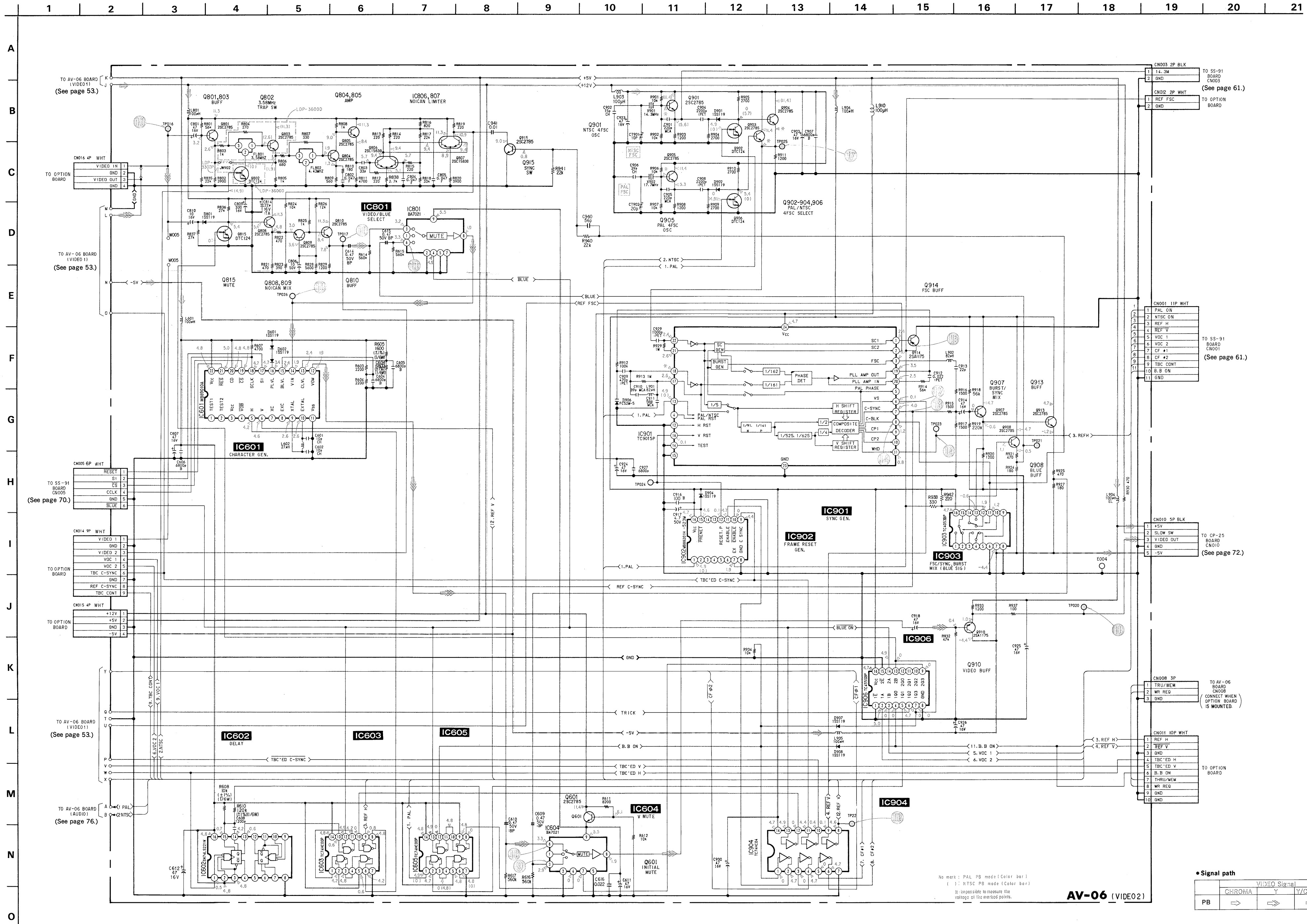


AV-06 (VIDEO 1)

• Signal path

| PB | VIDEO Signal | | | AUDIO Signal |
|----|--------------|---|----------|--------------|
| | CHROMA | Y | Y/CHROMA | |
| → | → | → | → | → |

No mark : PAL PB mode (Color bar)
 1 : NTSC PB mode (Color bar)



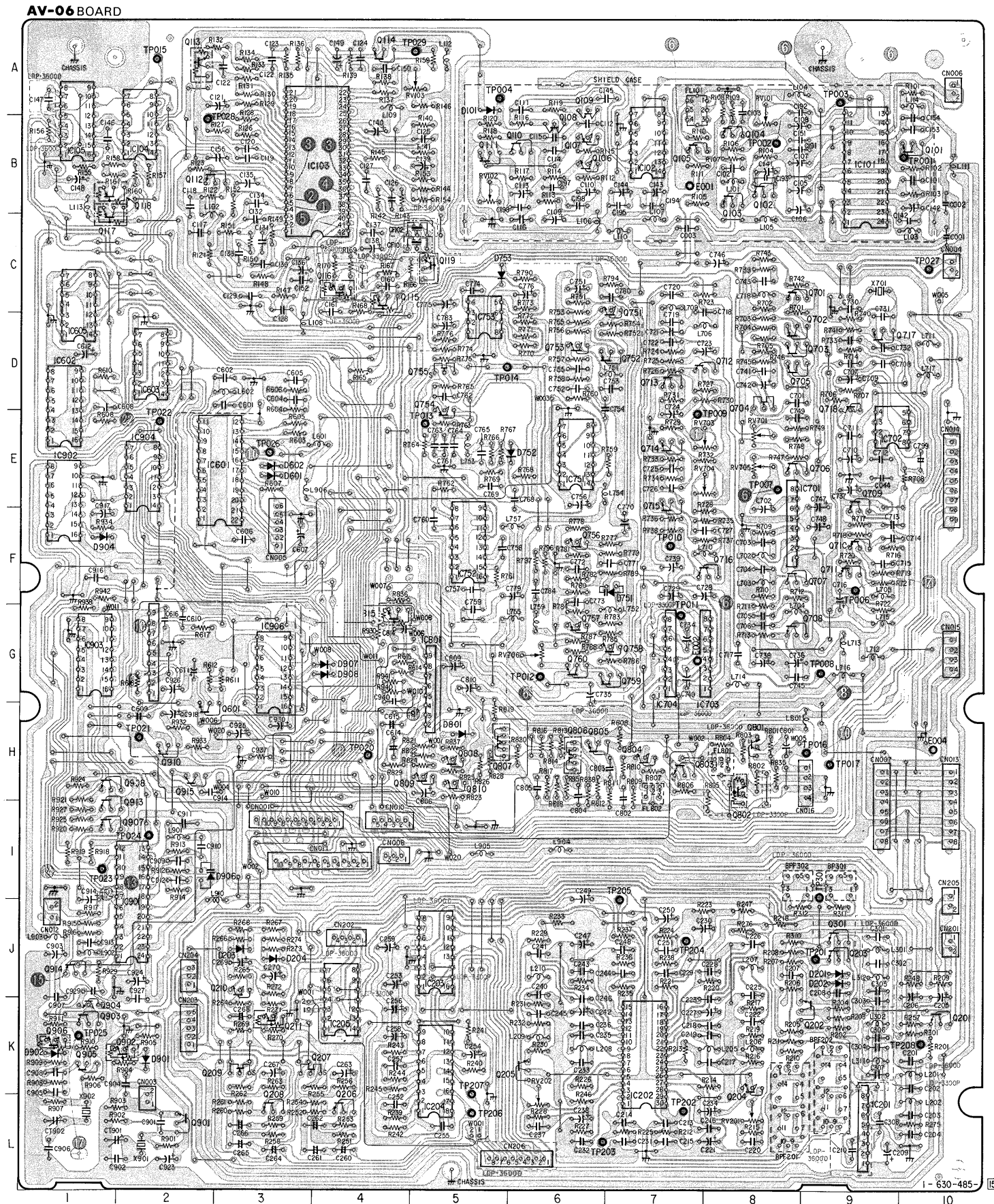
No marks: PAL PB made (Color bar)
 1: 1: NTSC PB made (Color bar)
 X: impossible to measure the voltage at the marked points.

AV-06 (VIDEO 2)

• Signal path

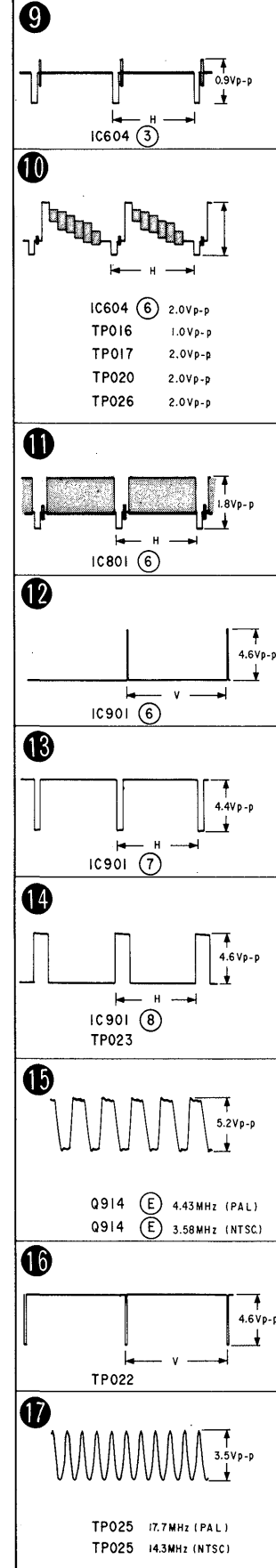
| | CHROMA | VIDEO Signal | Y/CHROMA | AUDIO Signal |
|----|--------|--------------|----------|--------------|
| PB | ⇒ | ⇒ | ⇒ | ⇒ |

AV-06 (VIDEO 2) —NOICAN, CHARCTER MIX, SIGNAL GEN—) PRINTED WIRING BOARD
 —Ref. No. AV-06 BOARD : 2,000 series—

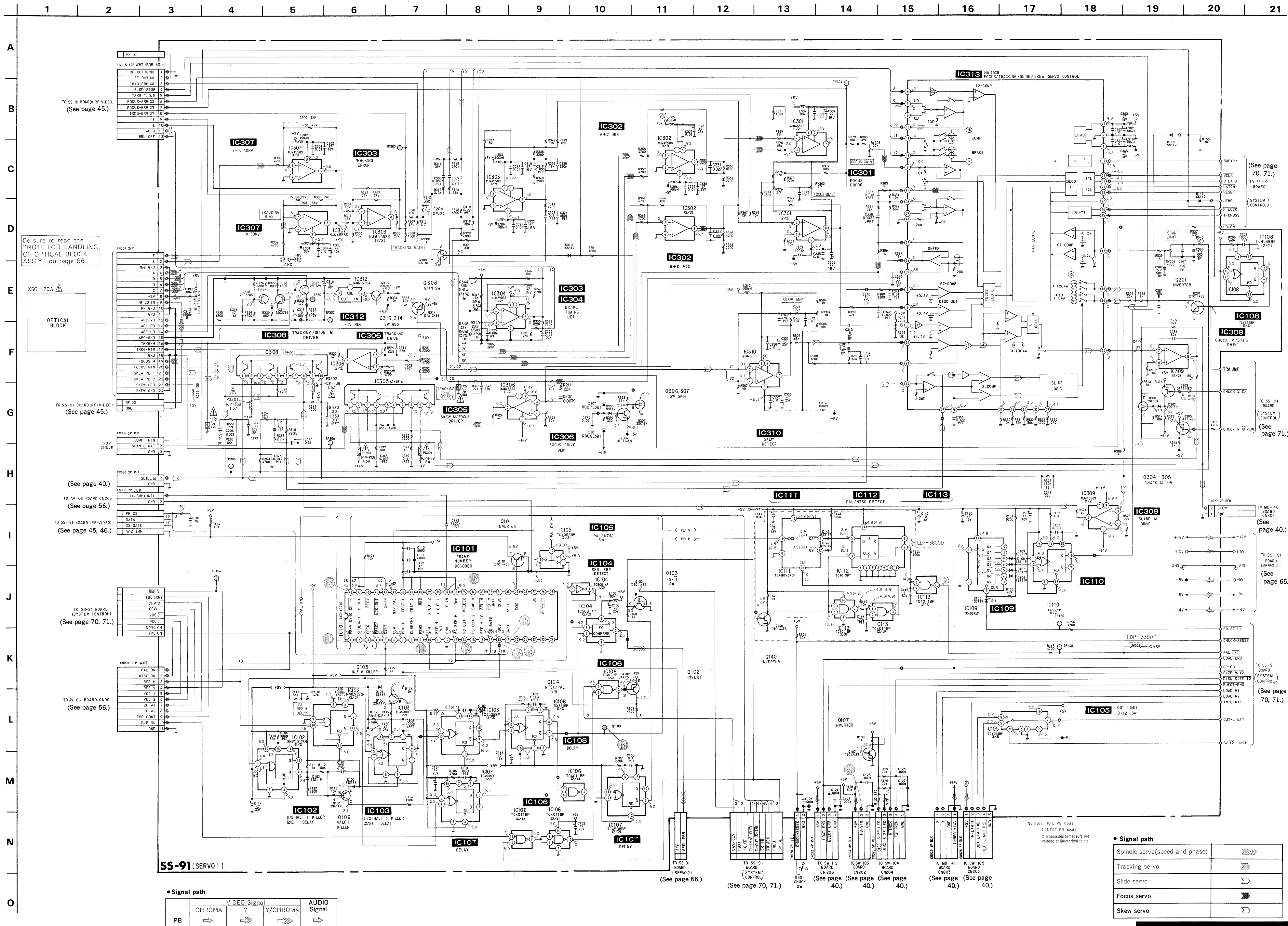


| | | | | | |
|-------|------|-------|------|-------|------|
| CN001 | I-3 | Q203 | J-9 | TP022 | E-2 |
| CN003 | K-2 | Q204 | K-8 | TP023 | I-1 |
| CN004 | C-10 | Q205 | K-6 | TP024 | I-2 |
| CN005 | F-3 | Q206 | I-4 | TP025 | K-1 |
| CN006 | A-10 | Q207 | K-3 | TP026 | E-3 |
| CN007 | H-9 | Q208 | L-3 | TP027 | C-10 |
| CN008 | I-4 | Q209 | K-3 | TP028 | B-2 |
| CN010 | I-4 | Q210 | J-3 | TP029 | A-5 |
| CN011 | I-4 | Q211 | K-3 | TP201 | J-9 |
| CN012 | J-1 | Q301 | J-9 | TP202 | L-7 |
| CN013 | H-10 | Q601 | G-2 | TP203 | L-6 |
| CN014 | E-10 | Q701 | C-9 | TP204 | J-7 |
| CN015 | G-10 | Q702 | D-8 | TP205 | I-7 |
| CN016 | H-9 | Q703 | D-8 | TP206 | L-5 |
| CN201 | J-10 | Q704 | D-8 | TP207 | K-5 |
| CN202 | J-4 | Q705 | D-8 | TP208 | K-10 |
| CN203 | K-2 | Q706 | E-9 | TP301 | I-9 |
| CN204 | J-2 | Q707 | F-8 | | |
| CN205 | I-10 | Q708 | G-8 | | |
| CN206 | L-6 | Q709 | E-9 | | |
| | | Q710 | F-9 | | |
| CT901 | L-2 | Q711 | F-9 | | |
| CT902 | L-1 | Q712 | D-8 | | |
| | | Q713 | D-7 | | |
| D101 | A-5 | Q714 | E-7 | | |
| D201 | J-9 | Q715 | E-7 | | |
| D202 | J-9 | Q716 | F-8 | | |
| D203 | J-3 | Q717 | D-9 | | |
| D204 | J-3 | Q718 | D-9 | | |
| D601 | E-3 | Q751 | C-7 | | |
| D602 | E-3 | Q752 | D-7 | | |
| D751 | F-7 | Q753 | D-6 | | |
| D752 | E-6 | Q754 | D-5 | | |
| D753 | C-5 | Q755 | D-5 | | |
| D801 | H-5 | Q756 | F-6 | | |
| D901 | K-2 | Q757 | G-6 | | |
| D902 | K-1 | Q758 | G-7 | | |
| D904 | F-1 | Q759 | G-7 | | |
| D906 | I-2 | Q760 | G-6 | | |
| D907 | G-4 | Q801 | H-8 | | |
| D908 | G-4 | Q802 | H-8 | | |
| | | Q803 | H-7 | | |
| | | Q804 | H-7 | | |
| | | Q805 | H-6 | | |
| | | Q806 | H-6 | | |
| | | Q807 | H-5 | | |
| | | Q808 | H-5 | | |
| | | Q809 | H-5 | | |
| | | Q810 | H-5 | | |
| | | Q815 | G-4 | | |
| | | Q901 | L-2 | | |
| | | Q902 | K-2 | | |
| | | Q903 | K-1 | | |
| | | Q904 | K-1 | | |
| | | Q905 | K-1 | | |
| | | Q906 | K-1 | | |
| | | Q907 | I-1 | | |
| | | Q908 | H-2 | | |
| | | Q910 | H-2 | | |
| | | Q913 | I-1 | | |
| | | Q914 | J-1 | | |
| | | Q915 | H-2 | | |
| | | RV101 | B-8 | | |
| | | RV102 | B-5 | | |
| | | RV103 | A-5 | | |
| | | RV201 | L-8 | | |
| | | RV202 | K-6 | | |
| | | RV701 | E-8 | | |
| | | RV703 | E-8 | | |
| | | RV704 | E-8 | | |
| | | RV705 | E-8 | | |
| | | RV706 | G-6 | | |
| Q101 | B-10 | TP001 | B-10 | | |
| Q102 | B-8 | TP002 | B-8 | | |
| Q103 | B-8 | TP003 | A-9 | | |
| Q104 | B-7 | TP004 | A-5 | | |
| Q105 | B-7 | TP006 | F-9 | | |
| Q106 | B-6 | TP007 | E-8 | | |
| Q107 | B-6 | TP008 | G-9 | | |
| Q108 | B-6 | TP009 | D-8 | | |
| Q109 | A-6 | TP010 | F-7 | | |
| Q110 | B-6 | TP011 | G-7 | | |
| Q111 | B-5 | TP012 | G-6 | | |
| Q112 | B-2 | TP013 | E-5 | | |
| Q113 | A-2 | TP014 | D-5 | | |
| Q114 | A-4 | TP015 | A-2 | | |
| Q115 | C-4 | TP016 | H-9 | | |
| Q116 | C-4 | TP017 | H-9 | | |
| Q117 | C-1 | TP020 | H-4 | | |
| Q118 | B-1 | TP021 | H-2 | | |
| Q119 | C-5 | | | | |
| Q201 | K-10 | | | | |
| Q202 | K-9 | | | | |

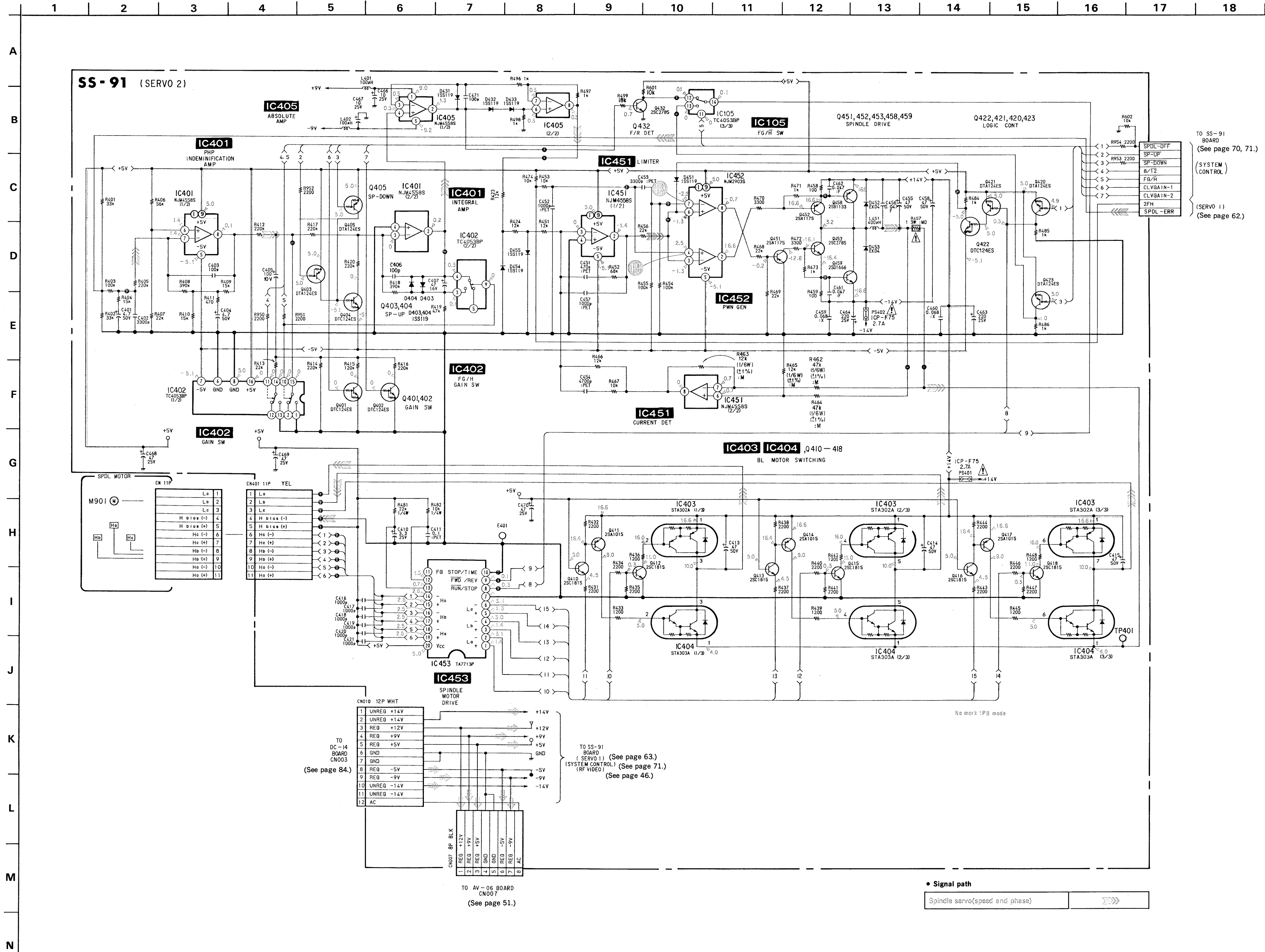
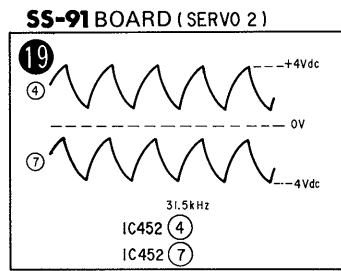
AV-06 BOARD (VIDEO 2)



SS-91 (SERVO 1) — FOCUS/TRACKING/SLIDE/SKEW SERVO — SCHEMATIC DIAGRAM
 — Ref. No. SS-91 BOARD: 7,000 series —



SS-91 (SERVO (2) —SPINDLE SERVO—) SCHEMATIC DIAGRAM
 —Ref. No. SS-91 BOARD: 7,000 series—



TO SS-91 BOARD
 (See page 70, 71.)
 (SYSTEM CONTROL)
 (SERVO 1)
 (See page 62.)

TO SS-91 BOARD (SERVO 1) (See page 63.)
 (SYSTEM CONTROL) (See page 71.)
 (SERVO 1) (See page 46.)

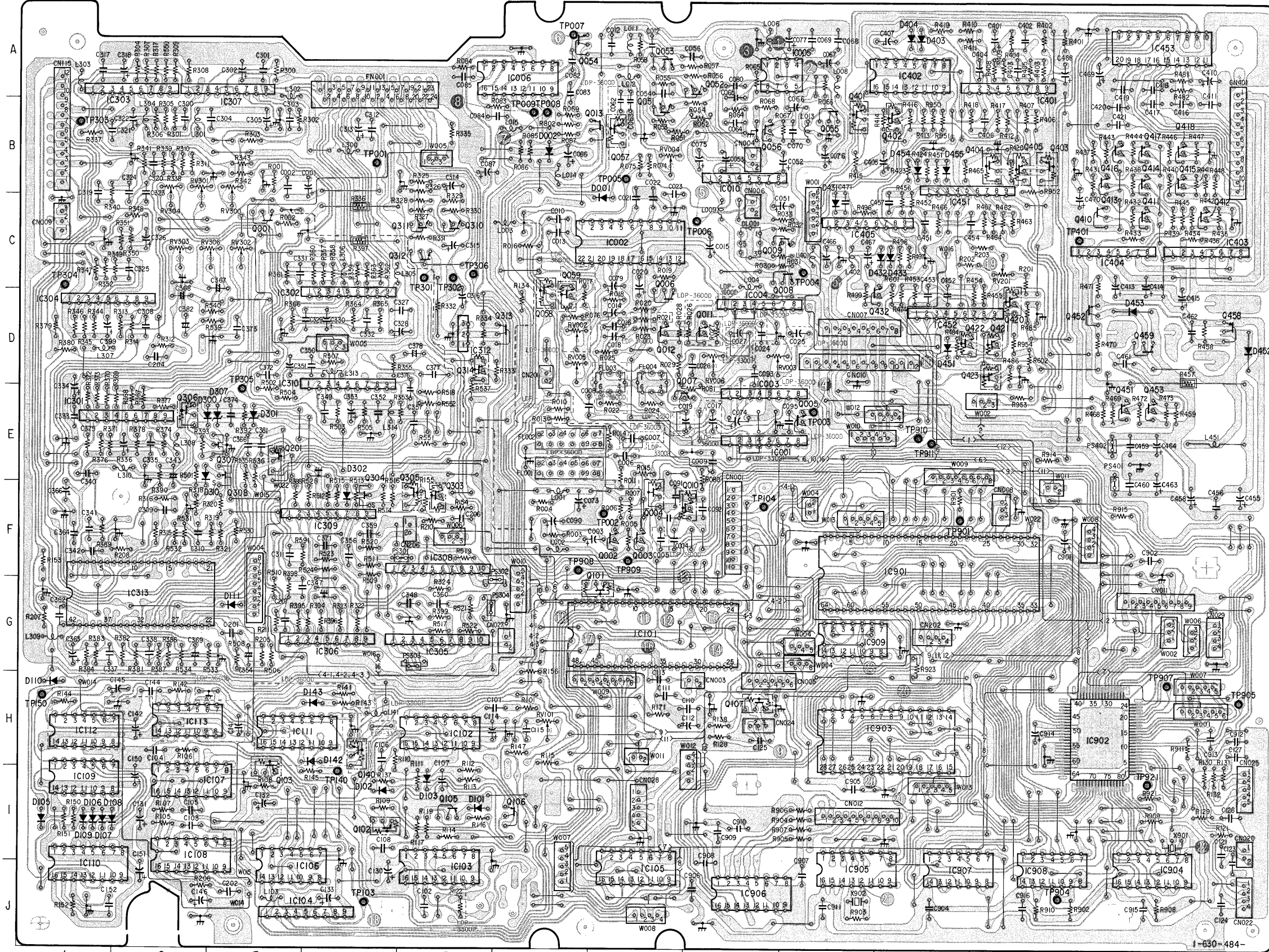
TO AV-06 BOARD (See page 51.)

• Signal path
 Spindle servo(speed and phase)

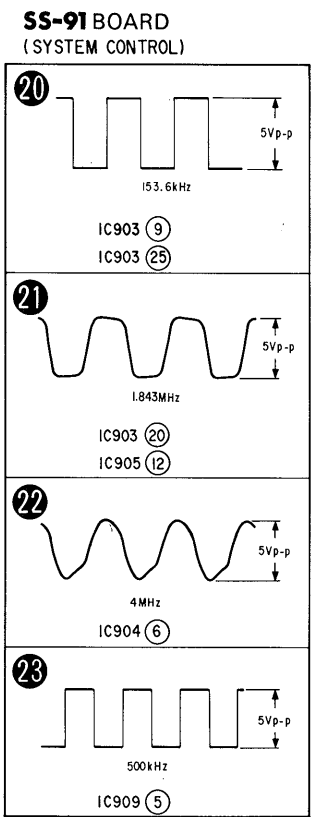
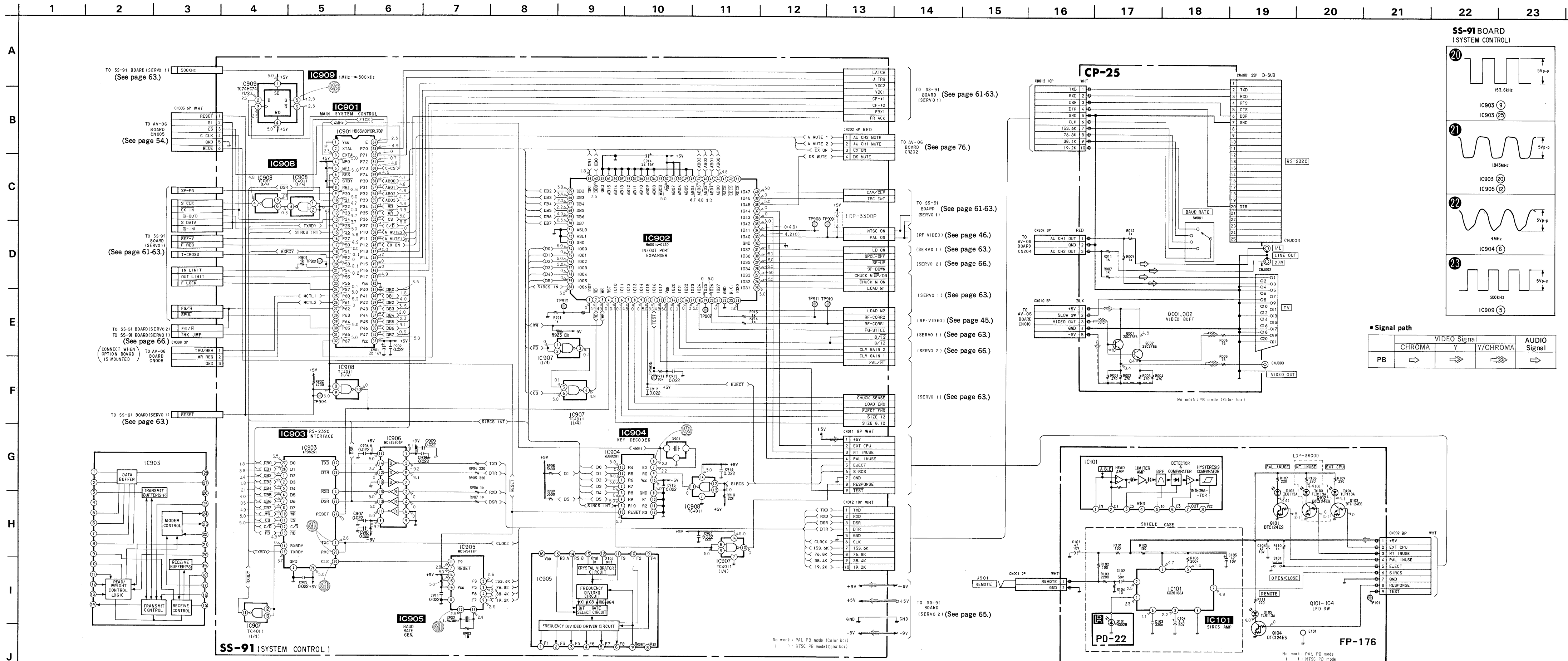
SS-91 (SERVO (2) — SPINDLE SERVO—) PRINTED WIRING BOARD

—Ref. No. SS-91 BOARD: 7,000 series—

SS-91BOARD



| | | | | | |
|-------|------|-------|------|-------|------|
| CN001 | F-8 | IC452 | D-10 | RV306 | C-3 |
| CN003 | H-8 | IC453 | A-13 | | |
| CN004 | B-8 | IC901 | F-10 | TP001 | B-4 |
| CN005 | H-8 | IC902 | H-12 | TP002 | E-7 |
| CN006 | C-8 | IC903 | H-10 | TP003 | E-9 |
| CN007 | D-9 | IC904 | J-13 | TP004 | C-9 |
| CN008 | F-11 | IC905 | J-9 | TP005 | B-7 |
| CN009 | C-1 | IC906 | J-8 | TP006 | C-8 |
| CN010 | D-9 | IC907 | J-10 | TP007 | A-6 |
| CN011 | G-12 | IC908 | J-11 | TP008 | B-6 |
| CN012 | I-9 | IC909 | G-9 | TP009 | B-6 |
| CN020 | I-13 | | | TP103 | J-4 |
| CN022 | J-13 | Q001 | C-3 | TP104 | F-8 |
| CN024 | H-8 | Q002 | F-7 | TP140 | I-4 |
| CN025 | I-13 | Q003 | F-7 | TP150 | H-1 |
| CN026 | F-5 | Q004 | F-7 | TP301 | C-5 |
| CN027 | G-6 | Q005 | H-8 | TP302 | C-5 |
| CN028 | I-7 | Q006 | D-7 | TP303 | B-1 |
| CN029 | G-13 | Q007 | E-8 | TP304 | C-1 |
| CN115 | A-1 | Q008 | C-9 | TP305 | D-3 |
| CN201 | D-6 | Q009 | C-9 | TP306 | C-5 |
| CN202 | G-10 | Q010 | F-8 | TP401 | C-12 |
| CN401 | B-13 | Q011 | D-8 | TP901 | F-10 |
| | | Q012 | D-7 | TP904 | J-11 |
| | | Q013 | B-7 | TP905 | H-13 |
| D001 | C-7 | Q051 | B-7 | TP907 | H-13 |
| D002 | B-6 | Q052 | A-8 | TP908 | F-6 |
| D101 | I-5 | Q053 | A-7 | TP909 | F-7 |
| D102 | I-4 | Q054 | A-6 | TP910 | E-10 |
| D103 | I-5 | Q055 | B-9 | TP911 | E-10 |
| D105 | I-1 | Q056 | B-8 | TP921 | I-12 |
| D106 | I-1 | Q057 | B-7 | | |
| D108 | I-1 | Q058 | D-6 | | |
| D109 | I-1 | Q059 | D-6 | | |
| D110 | H-1 | Q101 | G-7 | | |
| D111 | G-3 | Q102 | I-4 | | |
| D142 | H-4 | Q103 | I-3 | | |
| D143 | H-4 | Q104 | J-6 | | |
| D300 | E-3 | Q105 | I-5 | | |
| D301 | E-3 | Q106 | I-6 | | |
| D302 | F-4 | Q107 | H-8 | | |
| D307 | E-3 | Q108 | I-6 | | |
| D310 | E-3 | Q140 | H-4 | | |
| D403 | A-10 | Q201 | E-3 | | |
| D404 | A-10 | Q303 | F-5 | | |
| D431 | C-9 | Q304 | F-4 | | |
| D432 | C-10 | Q305 | F-5 | | |
| D452 | D-13 | Q306 | E-2 | | |
| D453 | D-12 | Q307 | E-3 | | |
| D454 | B-10 | Q308 | F-3 | | |
| D455 | B-10 | Q310 | C-5 | | |
| D433 | C-10 | Q311 | C-5 | | |
| D451 | D-10 | Q312 | C-5 | | |
| | | Q313 | D-6 | | |
| | | Q314 | D-5 | | |
| | | Q401 | B-9 | | |
| | | Q402 | B-10 | | |
| | | Q403 | B-11 | | |
| | | Q404 | B-11 | | |
| | | Q405 | B-11 | | |
| | | Q410 | C-12 | | |
| | | Q411 | C-12 | | |
| | | Q412 | C-13 | | |
| | | Q413 | B-12 | | |
| | | Q414 | B-12 | | |
| | | Q415 | B-13 | | |
| | | Q416 | B-12 | | |
| | | Q417 | B-12 | | |
| | | Q418 | B-13 | | |
| | | Q420 | D-11 | | |
| | | Q421 | D-11 | | |
| | | Q422 | D-11 | | |
| | | Q423 | D-11 | | |
| | | Q451 | E-12 | | |
| | | Q452 | D-12 | | |
| | | Q453 | E-12 | | |
| | | Q458 | D-13 | | |
| | | Q459 | D-12 | | |
| | | RV002 | D-6 | | |
| | | RV003 | D-8 | | |
| | | RV004 | B-7 | | |
| | | RV005 | D-6 | | |
| | | RV006 | D-8 | | |
| | | RV101 | H-6 | | |
| | | RV201 | C-11 | | |
| | | RV300 | C-3 | | |
| | | RV301 | C-2 | | |
| | | RV302 | C-2 | | |
| | | RV303 | C-3 | | |
| | | RV304 | C-2 | | |



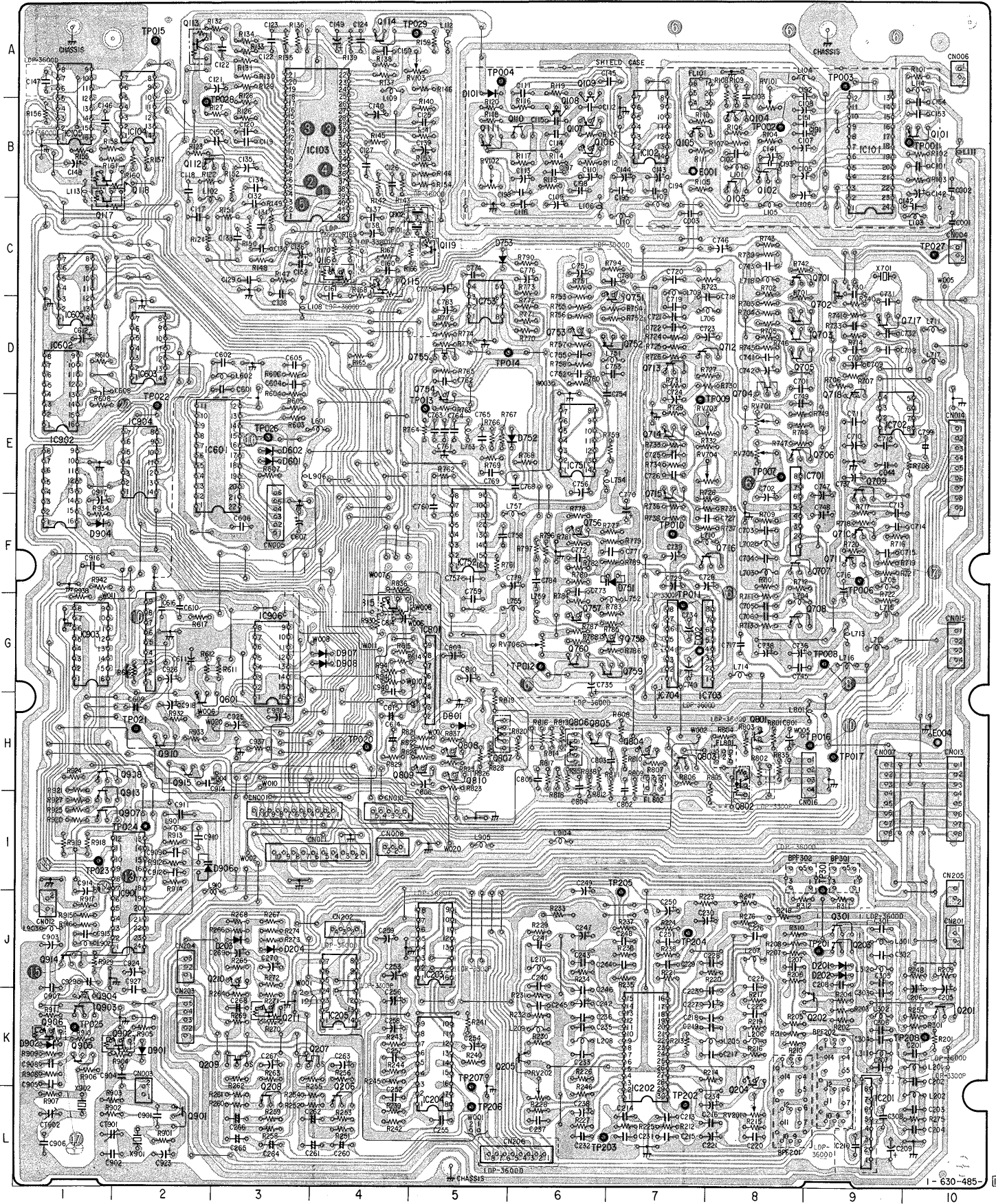
• Signal path

| PB | VIDEO Signal | | | AUDIO Signal |
|----|--------------|---|----------|--------------|
| | CHROMA | Y | Y/CHROMA | |
| → | → | → | → | → |

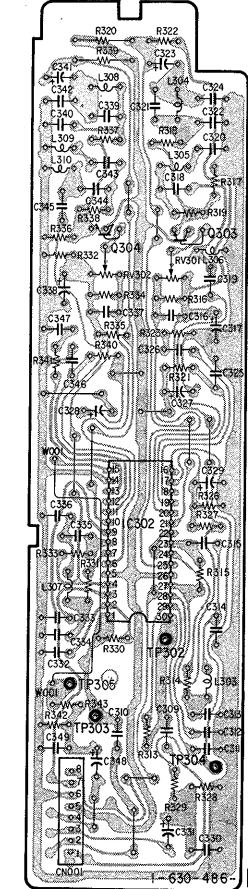
AV-06 (AUDIO-PAL DEMOD/DOC, CX NR—), AU-52 (NTSC DEMOD/DOC), HP-54 (HEADPHONE AMP, POWER SW), LD-16 (POWER LED) PRINTED WIRING BOARDS

—Ref. No. AV-06 BOARD: 2,000 series, AU-52 BOARD: 3,000 series, HP-54 and LD-16 BOARDS: 5,000 series—

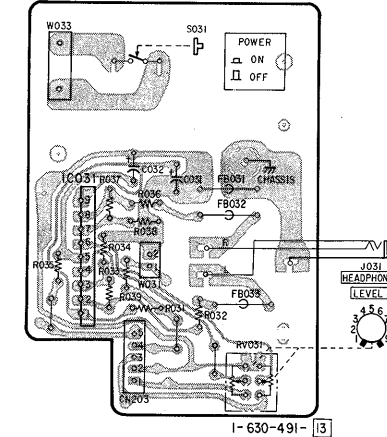
AV-06 BOARD



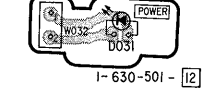
AU-52 BOARD (LDP-3600D)



HP-54 BOARD

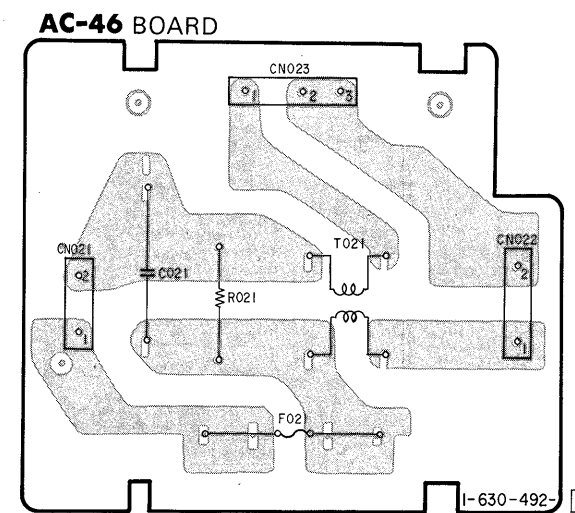
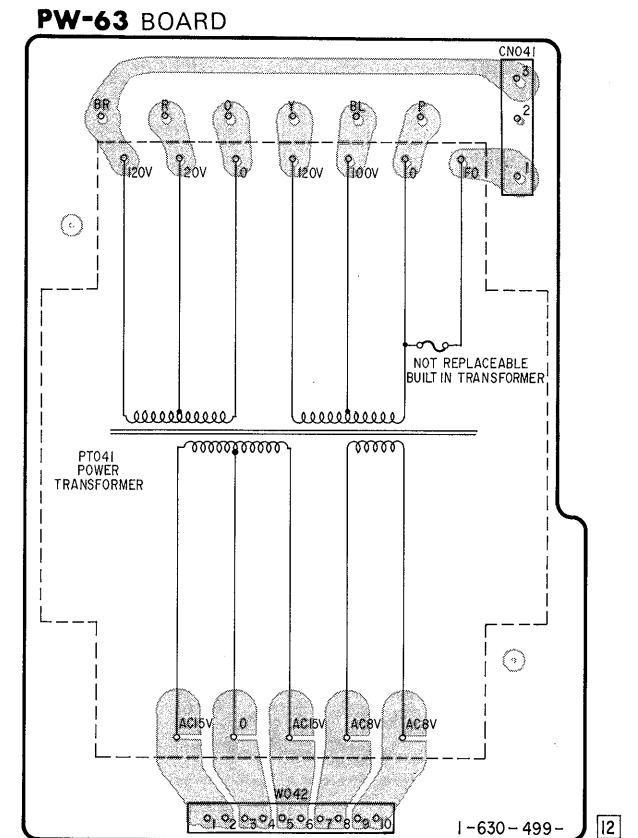
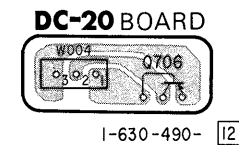
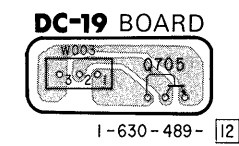
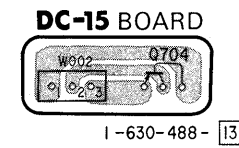
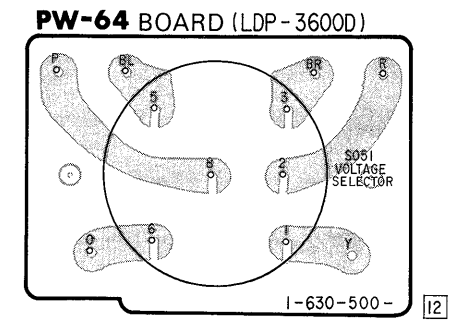
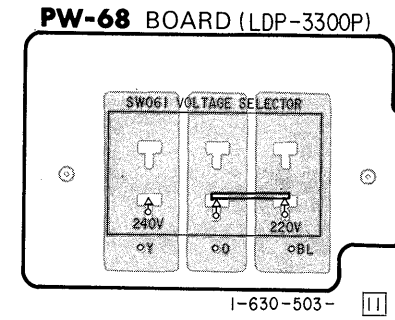
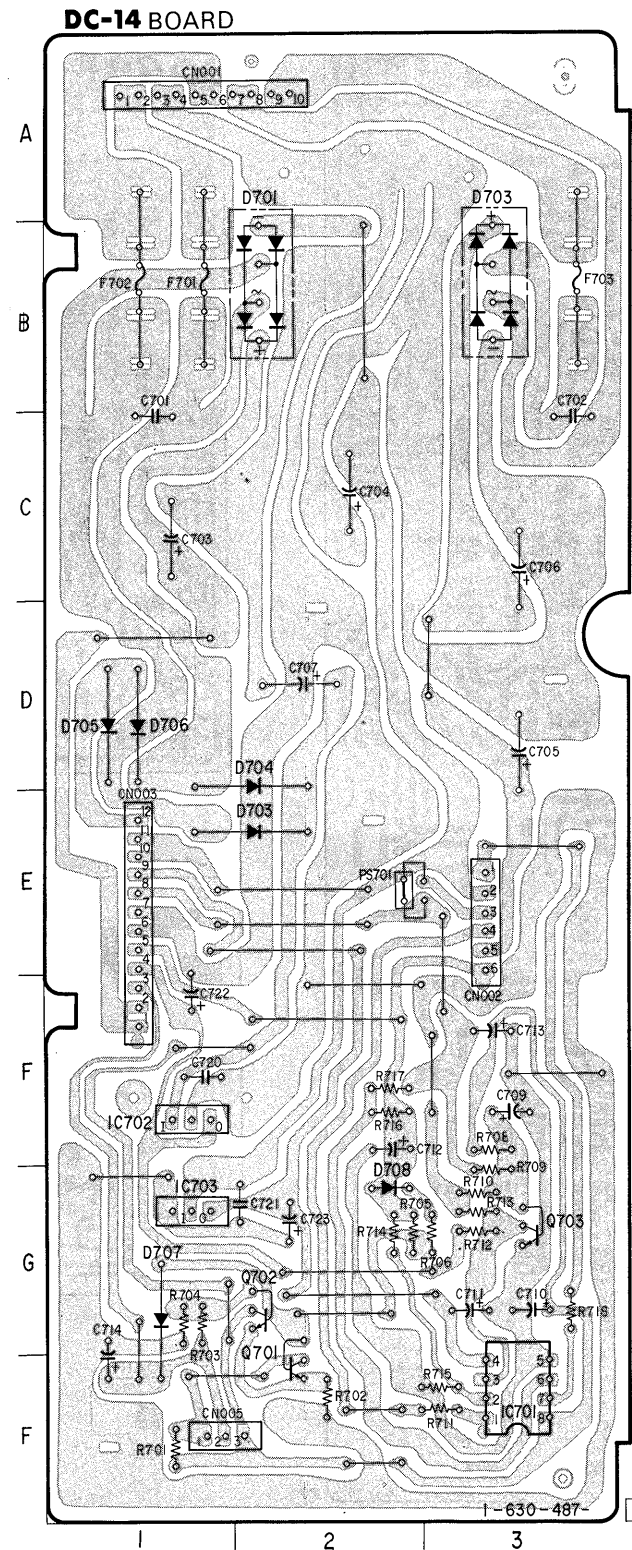


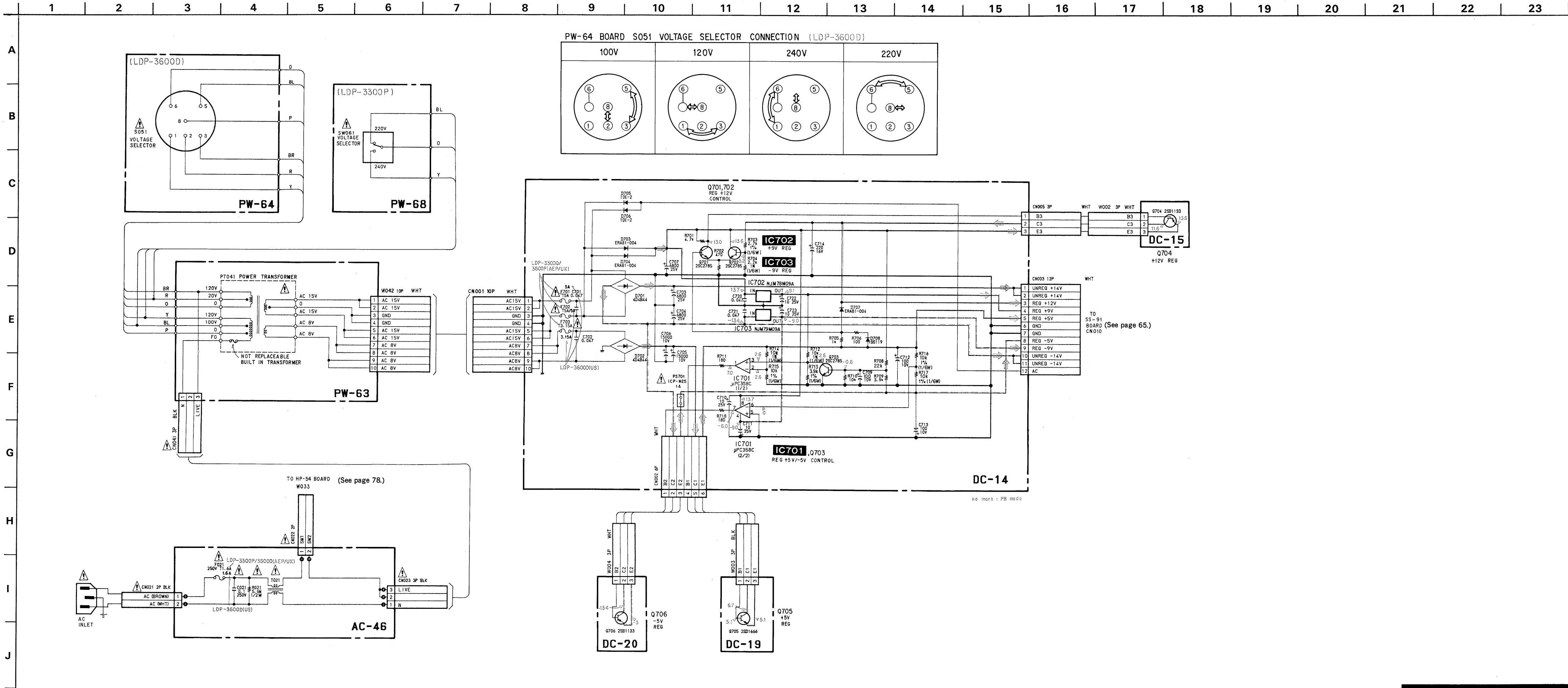
LD-16 BOARD



| | | | | | |
|-------|------|-------|------|-------|------|
| CN001 | I-3 | Q203 | J-9 | TP022 | E-2 |
| CN003 | K-2 | Q204 | K-8 | TP023 | I-1 |
| CN004 | C-10 | Q205 | K-6 | TP024 | I-2 |
| CN005 | F-3 | Q206 | I-4 | TP025 | K-1 |
| CN006 | A-10 | Q207 | K-3 | TP026 | E-3 |
| CN007 | H-9 | Q208 | L-3 | TP027 | C-10 |
| CN008 | I-4 | Q209 | K-3 | TP028 | B-2 |
| CN010 | I-4 | Q210 | J-3 | TP029 | A-5 |
| CN011 | I-4 | Q211 | K-3 | TP201 | J-9 |
| CN012 | J-1 | Q301 | J-9 | TP202 | L-7 |
| CN013 | H-10 | Q601 | G-2 | TP203 | L-6 |
| CN014 | E-10 | Q701 | C-9 | TP204 | J-7 |
| CN015 | G-10 | Q702 | D-8 | TP205 | I-7 |
| CN016 | H-9 | Q703 | D-8 | TP206 | L-5 |
| CN201 | J-10 | Q704 | D-8 | TP207 | K-5 |
| CN202 | J-4 | Q705 | D-8 | TP208 | K-10 |
| CN203 | K-2 | Q706 | E-9 | TP301 | I-9 |
| CN204 | J-2 | Q707 | F-8 | | |
| CN205 | I-10 | Q708 | G-8 | | |
| CN206 | L-6 | Q709 | E-9 | | |
| | | Q710 | F-9 | | |
| CT901 | L-2 | Q711 | F-9 | | |
| CT902 | L-1 | Q712 | D-8 | | |
| | | Q713 | D-7 | | |
| D101 | A-5 | Q714 | E-7 | | |
| D201 | J-9 | Q715 | E-7 | | |
| D202 | J-9 | Q716 | F-8 | | |
| D203 | J-3 | Q717 | D-9 | | |
| D204 | J-3 | Q718 | D-9 | | |
| D601 | E-3 | Q751 | C-7 | | |
| D602 | E-3 | Q752 | D-7 | | |
| D751 | F-7 | Q753 | D-6 | | |
| D752 | E-6 | Q754 | D-5 | | |
| D753 | C-5 | Q755 | D-5 | | |
| D801 | H-5 | Q756 | F-6 | | |
| D901 | K-2 | Q757 | G-6 | | |
| D902 | K-1 | Q758 | G-7 | | |
| D904 | F-1 | Q759 | G-7 | | |
| D906 | I-2 | Q760 | G-6 | | |
| D907 | G-4 | Q801 | H-8 | | |
| D908 | G-4 | Q802 | H-8 | | |
| | | Q803 | H-7 | | |
| | | Q804 | H-7 | | |
| | | Q805 | H-6 | | |
| | | Q806 | H-6 | | |
| | | Q807 | H-5 | | |
| | | Q808 | H-5 | | |
| | | Q809 | H-5 | | |
| | | Q810 | H-5 | | |
| | | Q815 | G-4 | | |
| | | Q901 | L-2 | | |
| | | Q902 | K-2 | | |
| | | Q903 | K-1 | | |
| | | Q904 | K-1 | | |
| | | Q905 | K-1 | | |
| | | Q906 | K-1 | | |
| | | Q907 | I-1 | | |
| | | Q908 | H-2 | | |
| | | Q910 | H-2 | | |
| | | Q913 | I-1 | | |
| | | Q914 | J-1 | | |
| | | Q915 | H-2 | | |
| | | RV101 | B-8 | | |
| | | RV102 | B-5 | | |
| | | RV103 | A-5 | | |
| | | RV201 | L-8 | | |
| | | RV202 | K-6 | | |
| | | RV701 | E-8 | | |
| | | RV703 | E-8 | | |
| | | RV704 | E-8 | | |
| | | RV705 | E-8 | | |
| | | RV706 | G-6 | | |
| | | TP001 | B-10 | | |
| | | TP002 | B-8 | | |
| | | TP003 | A-9 | | |
| | | TP004 | A-5 | | |
| | | TP006 | F-9 | | |
| | | TP007 | E-8 | | |
| | | TP008 | G-9 | | |
| | | TP009 | D-8 | | |
| | | TP010 | F-7 | | |
| | | TP011 | G-7 | | |
| | | TP012 | G-6 | | |
| | | TP013 | E-5 | | |
| | | TP014 | D-5 | | |
| | | TP015 | A-2 | | |
| | | TP016 | H-9 | | |
| | | TP017 | H-9 | | |
| | | TP020 | H-4 | | |
| | | TP021 | H-2 | | |

AC-46 (AC IN, LFT), DC-14, DC-15, DC-19 AND DC-20 (RECT, REG), PW-63 (POWER TRANSFORMER), PW-64 AND PW-68 (VOLTAGE SELECTOR) PRINTED WIRING BOARDS
 —Ref. No. AC-46, DC-14, DC-15, DC-19 and DC-20 BOARDS : 1,000 series, PW-63, PW-64 and PW-68 BOARDS : 6,000 series—





NOTE FOR HANDLING OF OPTICAL BLOCK ASS'Y

- Sometimes electrostatic breakdown of the laser diode in the optical block ass'y is caused by potential difference between the electrostatic charge of the block and the one of clothes or a human body.
Be careful to the following notes for preventing the diode from the breakdown.

Also, these notes are enclosed in repair part package.

1. Grounding for the human body

Be sure to put on a wrist-strap for grounding (with impedance lower than $10^8 \Omega$) whose other end is grounded. The strap works to drain away the static electricity build-up on the human body.

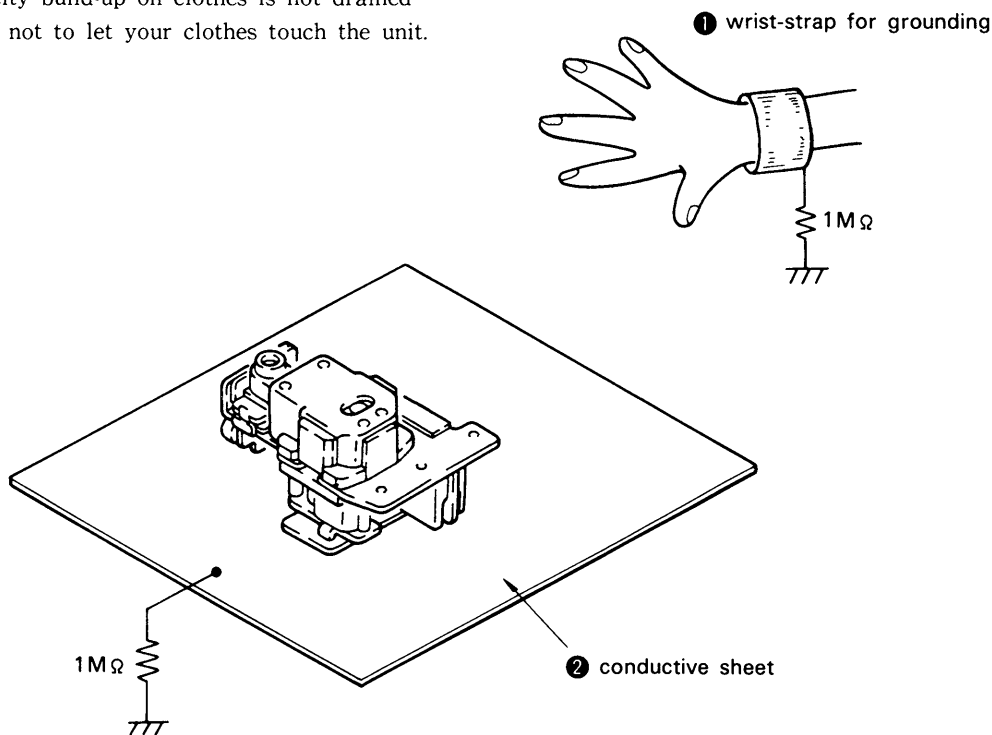
2. Grounding for the work table

Be sure to lay on the table a conductive sheet (with impedance lower than $10^9 \Omega$) such as a sheet of copper, which is grounded.

3. As static electricity build-up on clothes is not drained away, be careful not to let your clothes touch the unit.

The following manners are recommended as reference.

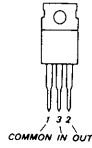
1. Cover a work table with a conductive sheet (black sheet used for the part package).
2. Place a set on the sheet so that the chassis of the set contacts the sheet (for making the potential of the set equal to the one of the sheet).
3. Put hands on the conductive sheet (for making the potential of a human body equal to the one of the sheet).
4. Take out the optical block ass'y from its bag.
5. Work should be done on the conductive sheet with care that clothes do not touch the optical block ass'y.



- Be careful not to put dust or fingerprints on the object lens and skew lens while handling.

4-2. SEMICONDUCTORS

NJM78M09A
NJM79M09A



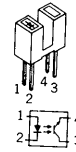
2SA1015-GR
2SC1815-GR



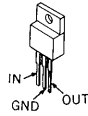
2SK184-GR



GP1S54



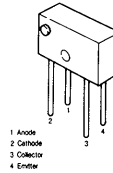
NJM79M05A



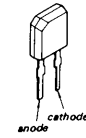
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2SC2901-K



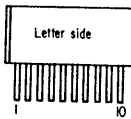
EE-SF5-B



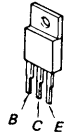
PH302D



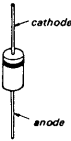
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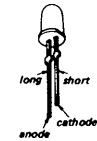
2SB1133-S
2SD1666-R



EK04
ERA81-005
10E-2



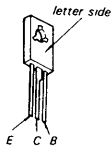
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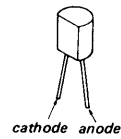
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DTA124ES
DTC114ES
DTC124ES
DTC144ES



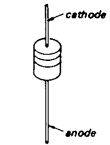
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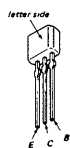
FC52M-5



RD2.7ESB1
RD6.8ESB1
1SS119



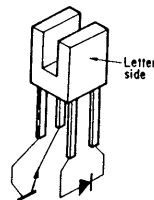
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2SC2785-HFE



2SD789-4Z



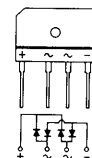
GP1S17



TLR113A



4D4B44



SECTION 6 ELECTRICAL PARTS LIST

CP-25

HP-54

LD-16

AU-52

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:

MF: μ F, PF: $\mu\mu$ F.

RESISTORS

- All resistors are in ohms.
- F: nonflammable

COILS

- MMH: mH, UH: μ H

SEMICONDUCTORS

In each case, U: μ , for example:
 UA...: μ A..., UPA...: μ PA...,
 UPC...: μ PC, UPD...: μ PD...

The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

When indicating parts by reference number, please include the board name.

| Ref.No | Part No. | Description | Remark | Ref.No | Part No. | Description | Remark |
|---------------|---------------|--|--------|---------------|---|----------------------------------|--------|
| *1-630-502-11 | | CP-25 BOARD (Ref.No 4,000 Series) ***** | | | | <u>FERRITE BEAD</u> | |
| | 3-728-431-01 | PANEL, CONNECTOR | | FB031 | 1-543-236-11 | BEAD, FERRITE | |
| | 7-685-646-79 | SCREW +BVP 3X8 TYPE2 IT-3 | | FB032 | 1-543-236-11 | BEAD, FERRITE | |
| | | <u>CONNECTOR</u> | | FB033 | 1-543-236-11 | BEAD, FERRITE | |
| CN010 | 1-506-470-11 | PIN, CONNECTOR 5P | | | | <u>IC</u> | |
| CN012 | 1-506-475-11 | PIN, CONNECTOR 10P | | IC031 | 8-759-981-95 | IC RC4558S | |
| CN204 | 1-506-468-11 | PIN, CONNECTOR 3P | | | | <u>JACK</u> | |
| | | <u>JACK</u> | | J031 | 1-507-796-71 | JACK (HEADPHONE) | |
| CNJ001 | 1-563-161-11 | CONNECTOR, D-SUB(MOUNT TYPE)25P(RS-232C) | | | | <u>RESISTOR</u> | |
| CNJ002 | 1-561-534-00 | SOCKET 21P (TV) | | R031 | 1-249-395-11 | CARBON 15 5% 1/4W | |
| CNJ003 | 1-562-635-11 | RECEPTACLE, BNC (VIDEO OUT) | | R032 | 1-249-409-11 | CARBON 220 5% 1/4W | |
| CNJ004* | 1-562-999-21 | JACK, PIN 2P (LINE OUT 1/L.2/R) | | R033 | 1-249-435-11 | CARBON 33K 5% 1/4W | |
| | | <u>TRANSISTOR</u> | | R034 | 1-249-430-11 | CARBON 12K 5% 1/4W | |
| Q001 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R035 | 1-249-395-11 | CARBON 15 5% 1/4W | |
| Q002 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R036 | 1-249-409-11 | CARBON 220 5% 1/4W | |
| | | <u>RESISTOR</u> | | R037 | 1-249-435-11 | CARBON 33K 5% 1/4W | |
| R001 | 1-249-413-11 | CARBON 470 5% 1/4W | | R038 | 1-249-430-11 | CARBON 12K 5% 1/4W | |
| R002 | 1-249-413-11 | CARBON 470 5% 1/4W | | R039 | 1-249-414-11 | CARBON 560 5% 1/4W | |
| R003 | 1-249-413-11 | CARBON 470 5% 1/4W | | | | <u>SWITCH</u> | |
| R004 | 1-249-413-11 | CARBON 470 5% 1/4W | | S031 | 1-554-920-11 | SWITCH, PUSH (AC POWER) (1 KEY) | |
| R005 | 1-247-804-11 | CARBON 75 5% 1/4W | | | | <u>VARIABLE RESISTOR</u> | |
| R006 | 1-247-804-11 | CARBON 75 5% 1/4W | | RV031 | 1-237-453-11 | RES, VAR, CARBON 20K/20K (LEVEL) | |
| R007 | 1-249-417-11 | CARBON 1K 5% 1/4W | | | | ***** | |
| R009 | 1-249-417-11 | CARBON 1K 5% 1/4W | | *1-630-501-11 | LD-16 BOARD (Ref.No 6,000 Series) ***** | | |
| R011 | 1-249-417-11 | CARBON 1K 5% 1/4W | | | | <u>DIODE</u> | |
| R012 | 1-249-417-11 | CARBON 1K 5% 1/4W | | D031 | 8-719-955-04 | DIODE PY5504S-1 | |
| | | <u>SWITCH</u> | | | | ***** | |
| SW001 | 1-571-146-11 | SWITCH, ROTARY (BAUD RATE) | | *A-6421-317-A | AU-52 BOARD, COMPLETE (Ref.No 2,000 Series) ***** (LDP-3600D) | | |
| | | ***** | | | | <u>CAPACITOR</u> | |
| *1-630-491-11 | | HP-54 BOARD (Ref.No 5,000 Series) ***** | | C309 | 1-161-329-00 | CERAMIC 0.0068MF 20% 16V | |
| | 3-531-576-11 | RIVET | | C310 | 1-161-329-00 | CERAMIC 0.0068MF 20% 16V | |
| | 3-715-933-01 | HOLDER, HP | | C311 | 1-161-329-00 | CERAMIC 0.0068MF 20% 16V | |
| | *3-728-437-02 | HOLDER, LED PC BOARD | | C312 | 1-161-329-00 | CERAMIC 0.0068MF 20% 16V | |
| | | <u>CAPACITOR</u> | | C313 | 1-162-211-31 | CERAMIC 33PF 5% 50V | |
| C031 | 1-124-589-11 | ELECT 47MF 20% 16V | | C314 | 1-162-283-31 | CERAMIC 120PF 10% 50V | |
| C032 | 1-124-589-11 | ELECT 47MF 20% 16V | | C315 | 1-161-329-00 | CERAMIC 0.0068MF 20% 16V | |
| C033 | 1-102-129-00 | CERAMIC 0.01MF 10% 50V | | C316 | 1-162-280-31 | CERAMIC 82PF 10% 50V | |
| | | <u>CONNECTOR</u> | | C317 | 1-126-176-11 | ELECT 220MF 20% 10V | |
| CN203 | 1-506-470-11 | PIN, CONNECTOR 5P | | C318 | 1-130-471-00 | MYLAR 0.001MF 5% 50V | |
| | | | | C319 | 1-162-284-31 | CERAMIC 150PF 10% 50V | |
| | | | | C320 | 1-130-469-00 | MYLAR 680PF 5% 50V | |
| | | | | C321 | 1-130-473-00 | MYLAR 0.0015MF 5% 50V | |

| Ref.No | Part No. | Description | Remark |
|--------|--------------|----------------------|--------|
| C322 | 1-130-473-00 | MYLAR 0.0015MF 5% | 50V |
| C323 | 1-123-875-11 | ELECT 10MF 20% | 50V |
| C324 | 1-130-481-00 | MYLAR 0.0068MF 5% | 50V |
| C325 | 1-162-286-31 | CERAMIC 220PF 10% | 50V |
| C326 | 1-161-377-00 | CERAMIC 0.0047MF 30% | 16V |
| C327 | 1-126-176-11 | ELECT 220MF 20% | 10V |
| C328 | 1-126-176-11 | ELECT 220MF 20% | 10V |
| C329 | 1-124-927-11 | ELECT 4.7MF 20% | 50V |
| C330 | 1-130-489-00 | MYLAR 0.033MF 5% | 50V |
| C331 | 1-126-233-11 | ELECT 22MF 20% | 25V |
| C332 | 1-161-329-00 | CERAMIC 0.0068MF 20% | 16V |
| C333 | 1-161-329-00 | CERAMIC 0.0068MF 20% | 16V |
| C334 | 1-162-211-31 | CERAMIC 33PF 5% | 50V |
| C335 | 1-161-329-00 | CERAMIC 0.0068MF 20% | 16V |
| C336 | 1-162-282-31 | CERAMIC 100PF 10% | 50V |
| C337 | 1-162-217-31 | CERAMIC 56PF 5% | 50V |
| C338 | 1-126-176-11 | ELECT 220MF 20% | 10V |
| C339 | 1-130-473-00 | MYLAR 0.0015MF 5% | 50V |
| C340 | 1-130-473-00 | MYLAR 0.0015MF 5% | 50V |
| C341 | 1-123-875-11 | ELECT 10MF 20% | 50V |
| C342 | 1-130-481-00 | MYLAR 0.0068MF 5% | 50V |
| C343 | 1-130-469-00 | MYLAR 680PF 5% | 50V |
| C344 | 1-130-471-00 | MYLAR 0.001MF 5% | 50V |
| C345 | 1-162-284-31 | CERAMIC 150PF 10% | 50V |
| C346 | 1-162-286-31 | CERAMIC 220PF 10% | 50V |
| C347 | 1-161-377-00 | CERAMIC 0.0047MF 30% | 16V |
| C348 | 1-126-233-11 | ELECT 22MF 20% | 25V |
| C349 | 1-130-489-00 | MYLAR 0.033MF 5% | 50V |

CONNECTOR

CN001 1-506-487-11 PIN, CONNECTOR 8P

IC

IC302 8-759-303-75 IC HA12083NT

COIL

| | | |
|------|--------------|-----------------|
| L303 | 1-408-418-00 | INDUCTOR 56UH |
| L304 | 1-410-069-11 | INDUCTOR 6.8MMH |
| L305 | 1-408-423-00 | INDUCTOR 150UH |
| L306 | 1-410-119-11 | INDUCTOR 1MMH |
| L307 | 1-408-415-00 | INDUCTOR 33UH |
| L308 | 1-410-069-11 | INDUCTOR 6.8MMH |
| L309 | 1-408-423-00 | INDUCTOR 150UH |
| L310 | 1-410-119-11 | INDUCTOR 1MMH |

TRANSISTOR

Q303 8-729-119-78 TRANSISTOR 2SC2785-HFE
Q304 8-729-119-78 TRANSISTOR 2SC2785-HFE

RESISTOR

| | | | |
|------|--------------|--------------|------|
| R313 | 1-249-417-11 | CARBON 1K 5% | 1/4W |
| R314 | 1-249-417-11 | CARBON 1K 5% | 1/4W |

| Ref.No | Part No. | Description | Remark |
|--------|--------------|----------------|--------|
| R315 | 1-249-426-11 | CARBON 5.6K 5% | 1/4W |
| R316 | 1-249-428-11 | CARBON 8.2K 5% | 1/4W |
| R317 | 1-249-419-11 | CARBON 1.5K 5% | 1/4W |
| R318 | 1-249-418-11 | CARBON 1.2K 5% | 1/4W |
| R319 | 1-249-413-11 | CARBON 470 5% | 1/4W |
| R320 | 1-210-821-00 | CARBON 2.2M 5% | 1/4W |
| R321 | 1-249-441-11 | CARBON 100K 5% | 1/4W |
| R322 | 1-249-425-11 | CARBON 4.7K 5% | 1/4W |
| R323 | 1-249-421-11 | CARBON 2.2K 5% | 1/4W |
| R326 | 1-249-425-11 | CARBON 4.7K 5% | 1/4W |
| R327 | 1-249-407-11 | CARBON 150 5% | 1/4W |
| R328 | 1-249-426-11 | CARBON 5.6K 5% | 1/4W |
| R329 | 1-249-425-11 | CARBON 4.7K 5% | 1/4W |
| R330 | 1-249-417-11 | CARBON 1K 5% | 1/4W |
| R331 | 1-249-417-11 | CARBON 1K 5% | 1/4W |
| R332 | 1-249-425-11 | CARBON 4.7K 5% | 1/4W |
| R333 | 1-249-426-11 | CARBON 5.6K 5% | 1/4W |
| R334 | 1-249-431-11 | CARBON 15K 5% | 1/4W |
| R335 | 1-249-425-11 | CARBON 4.7K 5% | 1/4W |
| R336 | 1-249-419-11 | CARBON 1.5K 5% | 1/4W |
| R337 | 1-249-418-11 | CARBON 1.2K 5% | 1/4W |
| R338 | 1-249-413-11 | CARBON 470 5% | 1/4W |
| R339 | 1-210-821-00 | CARBON 2.2M 5% | 1/4W |
| R340 | 1-249-441-11 | CARBON 100K 5% | 1/4W |
| R341 | 1-249-421-11 | CARBON 2.2K 5% | 1/4W |
| R342 | 1-249-426-11 | CARBON 5.6K 5% | 1/4W |
| R343 | 1-249-425-11 | CARBON 4.7K 5% | 1/4W |

VARIABLE RESISTOR

RV301 1-228-995-00 RES, ADJ, CARBON 22K
RV302 1-228-995-00 RES, ADJ, CARBON 22K

*1-630-493-11 FP-176 BOARD (Ref.No 1,000 Series)

*3-728-445-01 HOLDER, LED

CAPACITOR

| | | | | |
|------|--------------|---------------|-----|-----|
| C101 | 1-124-589-11 | ELECT 47MF | 20% | 10V |
| C102 | 1-126-160-11 | ELECT 1MF | 20% | 50V |
| C103 | 1-162-288-31 | CERAMIC 330PF | 10% | 50V |
| C104 | 1-126-162-11 | ELECT 3.3MF | 20% | 50V |
| C105 | 1-124-589-11 | ELECT 47MF | 20% | 10V |
| C106 | 1-124-589-11 | ELECT 47MF | 20% | 10V |

CONNECTOR

CN001 1-506-467-11 PIN, CONNECTOR 2P
CN002 1-506-488-11 PIN, CONNECTOR 9P

DIODE

D102 8-719-955-04 DIODE PY5504S-1 (PAL INUSE)

When indicating parts by reference number, please include the board name.

| Ref.No | Part No. | Description | Remark | Ref.No | Part No. | Description | Remark |
|-------------------|---------------|--|--------|------------------|----------------|--|---------|
| D103 | 8-719-955-04 | DIODE PY5504S-1 (NTSC INUSE) (LDP-3600D) | | <u>CAPACITOR</u> | | | |
| D104 | 8-719-920-66 | DIODE SLR-54VC12 (EXT CPU) | | C701 | 1-101-006-00 | CERAMIC 0.047MF | 50V |
| D105 | 8-719-920-66 | DIODE SLR-54VC12 (REMOTE) | | C702 | 1-101-006-00 | CERAMIC 0.047MF | 50V |
| <u>IC</u> | | | | C703 | 1-124-771-00 | ELECT 6800MF | 20% 25V |
| IC101 | 8-759-602-54 | IC CX20106A | | C704 | 1-124-771-00 | ELECT 6800MF | 20% 25V |
| <u>TRANSISTOR</u> | | | | C705 | 1-126-091-11 | ELECT 15000MF | 20% 10V |
| Q101 | 8-729-900-36 | TRANSISTOR DTC124ES | | C706 | 1-126-091-11 | ELECT 15000MF | 20% 10V |
| Q102 | 8-729-900-36 | TRANSISTOR DTC124ES (LDP-3600D) | | C707 | 1-124-771-00 | ELECT 6800MF | 20% 25V |
| Q103 | 8-729-900-36 | TRANSISTOR DTC124ES | | C709 | 1-124-443-00 | ELECT 100MF | 20% 10V |
| Q104 | 8-729-900-36 | TRANSISTOR DTC124ES | | C710 | 1-126-096-11 | ELECT 10MF | 20% 25V |
| <u>RESISTOR</u> | | | | C711 | 1-126-096-11 | ELECT 10MF | 20% 25V |
| R101 | 1-249-405-11 | CARBON 100 5% 1/4W | | C712 | 1-124-443-00 | ELECT 100MF | 20% 10V |
| R102 | 1-249-405-11 | CARBON 100 5% 1/4W | | C713 | 1-124-443-00 | ELECT 100MF | 20% 10V |
| R103 | 1-249-421-11 | CARBON 2.2K 5% 1/4W | | C714 | 1-124-120-11 | ELECT 220MF | 20% 16V |
| R104 | 1-249-393-11 | CARBON 10 5% 1/4W | | C720 | 1-101-006-00 | CERAMIC 0.047MF | 50V |
| R105 | 1-249-407-11 | CARBON 150 5% 1/4W | | C721 | 1-101-006-00 | CERAMIC 0.047MF | 50V |
| R106 | 1-247-886-11 | CARBON 200K 5% 1/4W | | <u>CONNECTOR</u> | | | |
| R107 | 1-249-409-11 | CARBON 220 5% 1/4W | | CN001 | *1-560-898-00 | PIN, CONNECTOR 10P | |
| R108 | 1-249-409-11 | CARBON 220 5% 1/4W | | CN002 | *1-560-894-00 | PIN, CONNECTOR 6P | |
| R109 | 1-249-409-11 | CARBON 220 5% 1/4W | | CN003 | *1-560-900-00 | PIN, CONNECTOR 12P | |
| R110 | 1-249-417-11 | CARBON 1K 5% 1/4W | | CN005 | *1-560-891-00 | PIN, CONNECTOR 3P | |
| R111 | 1-249-409-11 | CARBON 220 5% 1/4W | | <u>DIODE</u> | | | |
| <u>SWITCH</u> | | | | D701 | 8-719-801-74 | DIODE 4D4B44 | |
| S101 | 1-570-472-11 | SWITCH, KEY BOARD (OPEN/CLOSE) | | D702 | 8-719-801-74 | DIODE 4D4B44 | |
| ***** | | | | D703 | 8-719-981-01 | DIODE ERA81-004 | |
| | *1-630-498-11 | PD-22 BOARD (Ref.No 1,000 Series) | | D704 | 8-719-981-01 | DIODE ERA81-004 | |
| | | ***** | | D705 | 8-719-200-02 | DIODE 10E-2 | |
| <u>DIODE</u> | | | | D706 | 8-719-200-02 | DIODE 10E-2 | |
| D101 | 8-719-118-33 | DIODE PH302B | | D707 | 8-719-981-01 | DIODE ERA81-004 | |
| ***** | | | | D708 | 8-719-911-19 | DIODE 1SS119 | |
| | *A-6421-312-A | DC-14 BOARD, COMPLETE | | <u>FUSE</u> | | | |
| | | ***** | | F701 | △.1-532-299-00 | FUSE, TIME-LAG (T5A) | |
| | | (LDP-3300P/3600D: AEP/UK) | | | | (LDP-3300P/3600D: AEP/UK) | |
| | *A-6421-433-A | DC-14 BOARD, COMPLETE (LDP-3600D: US) | | F701 | △.1-532-747-11 | FUSE, GLASS TUBE 5A (LDP-3600D: US) | |
| | | ***** | | F702 | △.1-532-299-00 | FUSE, TIME-LAG (T5A) | |
| | | | | | | (LDP-3300P/3600D: AEP/UK) | |
| | 1-533-189-11 | HOLDER, FUSE | | F702 | △.1-532-747-11 | FUSE, GLASS TUBE 5A (LDP-3600D: US) | |
| | *3-309-144-21 | HEAT SINK | | F703 | △.1-532-237-00 | FUSE, TIME-LAG (T3.15A) | |
| | *3-701-946-25 | LABEL (3.15A125V), FUSE (LDP-3600D: US) | | | | (LDP-3300P/3600D: AEP/UK) | |
| | 3-701-946-27 | LABEL (5A125V), FUSE (LDP-3600D: US) | | F703 | △.1-532-745-11 | FUSE, GLASS TUBE 3.15A (LDP-3600D: US) | |
| | 7-685-646-79 | SCREW +BVTP 3X8 TYPE2 SLIT | | <u>IC</u> | | | |
| | 7-685-646-79 | SCREW +BVTP 3X8 TYPE2 IT-3 | | IC701 | 8-759-135-80 | IC UPC358C | |
| | 7-685-648-79 | SCREW +BVTP 3X12 TYPE2 SLIT | | IC702 | 8-759-982-34 | IC RC78M09FA | |
| | | | | IC703 | 8-759-982-54 | IC RC79M09FA | |

When indicating parts by reference number, please include the board name.

Note: The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

| Ref.No | Part No. | Description | Remark | Ref.No | Part No. | Description | Remark |
|-------------------|---|------------------------|--------------------------|--------|--------------|-------------|--|
| <u>IC LINK</u> | | | | C009 | 1-161-329-00 | CERAMIC | 0.0068MF 20% 16V |
| PS701A | 1-532-637-00 | LINK, IC (ICP-N25 1A) | | C010 | 1-162-284-31 | CERAMIC | 150PF 10% 50V |
| <u>TRANSISTOR</u> | | | | C011 | 1-162-211-31 | CERAMIC | 33PF 5% 50V |
| Q701 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | C012 | 1-161-379-00 | CERAMIC | 0.01MF 30% 16V |
| Q702 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | C013 | 1-162-209-31 | CERAMIC | 27PF 5% 50V |
| Q703 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | C014 | 1-123-875-11 | ELECT | 10MF 20% 50V |
| <u>RESISTOR</u> | | | | C015 | 1-126-103-11 | ELECT | 470MF 20% 16V |
| R701 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W | C016 | 1-162-211-31 | CERAMIC | 33PF 5% 50V |
| R702 | 1-249-413-11 | CARBON | 470 5% 1/4W | C017 | 1-124-477-11 | ELECT | 47MF 20% 16V (LDP-3600D) |
| R703 | 1-215-431-00 | METAL | 2.7K 1% 1/6W | C018 | 1-162-203-31 | CERAMIC | 15PF 5% 50V |
| R704 | 1-215-429-00 | METAL | 2.2K 1% 1/6W | C019 | 1-124-589-11 | ELECT | 47MF 20% 16V |
| R705 | 1-249-417-11 | CARBON | 1K 5% 1/4W | C020 | 1-124-963-11 | ELECT | 33MF 20% 16V |
| R706 | 1-249-405-11 | CARBON | 100 5% 1/4W | C021 | 1-161-329-00 | CERAMIC | 0.0068MF 20% 16V |
| R708 | 1-249-433-11 | CARBON | 22K 5% 1/4W | C022 | 1-161-329-00 | CERAMIC | 0.0068MF 20% 16V |
| R709 | 1-249-424-11 | CARBON | 3.9K 5% 1/4W | C023 | 1-162-215-31 | CERAMIC | 47PF 5% 50V |
| R710 | 1-249-429-11 | CARBON | 10K 5% 1/4W | C024 | 1-102-976-00 | CERAMIC | 180PF 5% 50V (LDP-3600D) |
| R711 | 1-249-408-11 | CARBON | 180 5% 1/4W | C025 | 1-124-477-11 | ELECT | 47MF 20% 16V (LDP-3600D) |
| R712 | 1-215-445-00 | METAL | 10K 1% 1/6W | C026 | 1-102-976-00 | CERAMIC | 180PF 5% 50V |
| R713 | 1-215-435-00 | METAL | 3.9K 1% 1/6W | C027 | 1-124-477-11 | ELECT | 47MF 20% 16V (LDP-3600D) |
| R714 | 1-215-445-00 | METAL | 10K 1% 1/6W | C051 | 1-124-589-11 | ELECT | 47MF 20% 16V |
| R715 | 1-215-445-00 | METAL | 10K 1% 1/6W | C052 | 1-126-157-11 | ELECT | 10MF 20% 16V |
| R716 | 1-215-445-00 | METAL | 10K 1% 1/6W | C053 | 1-124-589-11 | ELECT | 47MF 20% 16V |
| R717 | 1-215-445-00 | METAL | 10K 1% 1/6W | C054 | 1-162-207-31 | CERAMIC | 22PF 5% 50V |
| R718 | 1-249-408-11 | CARBON | 180 5% 1/4W | C056 | 1-162-215-31 | CERAMIC | 47PF 5% 50V |
| ***** | | | | C057 | 1-102-978-00 | CERAMIC | 220PF 5% 50V (LDP-3600D: AEP/UK) |
| *A-6421-314-A | SS-91 (D) BOARD, COMPLETE ***** (LDP-3600D: AEP/UK) | | | C057 | 1-162-286-31 | CERAMIC | 220PF 10% 50V (LDP-3300P/3600D: US) |
| *A-6421-324-A | SS-91 (P) BOARD, COMPLETE (LDP-3300P) ***** | | | C062 | 1-162-207-31 | CERAMIC | 22PF 5% 50V |
| *A-6421-434-A | SS-91 (U) BOARD, COMPLETE (Ref.No 7,000 Series) ***** (LDP-3600D: US) | | | C063 | 1-162-213-31 | CERAMIC | 39PF 5% 50V |
| 1-540-044-11 | SOCKET, IC 64P | | | C064 | 1-126-529-11 | ELECT | 0.47MF 20% 50V |
| *3-309-144-21 | HEAT SINK | | | C065 | 1-161-379-00 | CERAMIC | 0.01MF 30% 16V |
| 7-685-646-79 | SCREW +BVTP 3X8 TYPE2 N-S | | | C066 | 1-124-463-00 | ELECT | 0.1MF 20% 50V |
| 7-685-646-79 | SCREW +BVTP 3X8 TYPE2 IT-3 | | | C067 | 1-124-589-11 | ELECT | 47MF 20% 16V |
| <u>CAPACITOR</u> | | | | C068 | 1-161-494-00 | CERAMIC | 0.022MF 25V |
| C001 | 1-124-791-11 | ELECT | 1MF 20% 50V | C069 | 1-161-494-00 | CERAMIC | 0.022MF 25V |
| C002 | 1-161-329-00 | CERAMIC | 0.0068MF 20% 16V | C070 | 1-162-211-31 | CERAMIC | 33PF 5% 50V |
| C003 | 1-126-160-11 | ELECT | 1MF 20% 50V | C073 | 1-124-589-11 | ELECT | 47MF 20% 16V |
| C004 | 1-162-280-31 | CERAMIC | 82PF 10% 50V | C074 | 1-124-477-11 | ELECT | 47MF 20% 16V |
| C005 | 1-162-213-31 | CERAMIC | 39PF 5% 50V | C075 | 1-124-477-11 | ELECT | 47MF 20% 16V |
| C006 | 1-161-494-00 | CERAMIC | 0.022MF 25V (LDP-3600D) | C076 | 1-124-589-11 | ELECT | 47MF 20% 16V |
| C007 | 1-130-495-00 | MYLAR | 0.1MF 5% 50V (LDP-3300P) | C077 | 1-124-589-11 | ELECT | 47MF 20% 16V |
| C007 | 1-161-494-00 | CERAMIC | 0.022MF 25V (LDP-3600D) | C079 | 1-124-477-11 | ELECT | 47MF 20% 16V |
| C008 | 1-130-476-00 | MYLAR | 0.0027MF 5% 50V | C080 | 1-161-327-00 | CERAMIC | 0.0033MF 30% 16V |
| | | | | C082 | 1-130-485-00 | MYLAR | 0.015MF 5% 50V |
| | | | | C083 | 1-126-529-11 | ELECT | 0.47MF 20% 50V |
| | | | | C084 | 1-162-292-31 | CERAMIC | 680PF 10% 50V |
| | | | | C085 | 1-130-494-11 | MYLAR | 0.082MF 5% 50V |
| | | | | C086 | 1-124-443-00 | ELECT | 100MF 20% 10V |
| | | | | C087 | 1-124-443-00 | ELECT | 100MF 20% 10V |
| | | | | C090 | 1-124-589-11 | ELECT | 47MF 20% 16V |
| | | | | C091 | 1-161-329-00 | CERAMIC | 0.0068MF 20% 16V (LDP-3600D) |
| | | | | C092 | 1-161-329-00 | CERAMIC | 0.0068MF 20% 16V |
| | | | | C093 | 1-161-329-00 | CERAMIC | 0.0068MF 20% 16V |

When indicating parts by reference number, please include the board name.

Note: The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

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| Ref.No | Part No. | Description | Remark | Ref.No | Part No. | Description | Remark | | | | |
|--------|--------------|-------------|----------|--------|-----------------|--------------|--------------|----------|----------|-----|-----------------|
| C095 | 1-161-494-00 | CERAMIC | 0.022MF | 25V | C317 | 1-161-379-00 | CERAMIC | 0.01MF | 30% | 16V | |
| C101 | 1-162-199-31 | CERAMIC | 10PF | 5% | 50V | C318 | 1-124-589-11 | ELECT | 47MF | 20% | 16V |
| C102 | 1-130-471-00 | MYLAR | 0.001MF | 5% | 50V | C319 | 1-130-489-00 | MYLAR | 0.033MF | 5% | 50V |
| C103 | 1-130-471-00 | MYLAR | 0.001MF | 5% | 50V | C320 | 1-162-286-31 | CERAMIC | 220PF | 10% | 50V |
| C104 | 1-130-471-00 | MYLAR | 0.001MF | 5% | 50V | C321 | 1-161-379-00 | CERAMIC | 0.01MF | 30% | 16V |
| C105 | 1-130-495-00 | MYLAR | 0.1MF | 5% | 50V | C322 | 1-124-589-11 | ELECT | 47MF | 20% | 16V |
| C106 | 1-130-471-00 | MYLAR | 0.001MF | 5% | 50V | C323 | 1-130-495-00 | MYLAR | 0.1MF | 5% | 50V |
| C107 | 1-126-176-11 | ELECT | 220MF | 20% | 6.3V | C324 | 1-130-469-00 | MYLAR | 680PF | 5% | 50V |
| C108 | 1-130-471-00 | MYLAR | 0.001MF | 5% | 50V | C325 | 1-130-471-00 | MYLAR | 0.001MF | 5% | 50V |
| C110 | 1-161-329-00 | CERAMIC | 0.0068MF | 20% | 16V | C326 | 1-131-344-00 | TANTALUM | 0.33MF | 10% | 35V |
| C111 | 1-161-329-00 | CERAMIC | 0.0068MF | 20% | 16V | C327 | 1-130-483-00 | MYLAR | 0.01MF | 5% | 50V |
| C112 | 1-124-446-11 | ELECT | 47MF | 20% | 10V | C328 | 1-124-477-11 | ELECT | 47MF | 20% | 25V |
| C113 | 1-130-472-00 | MYLAR | 0.0012MF | 5% | 50V | C329 | 1-130-483-00 | MYLAR | 0.01MF | 5% | 50V |
| C114 | 1-124-477-11 | ELECT | 47MF | 20% | 25V | C330 | 1-124-477-11 | ELECT | 47MF | 20% | 25V |
| C115 | 1-130-471-00 | MYLAR | 0.001MF | 5% | 50V | C331 | 1-130-476-00 | MYLAR | 0.0027MF | 5% | 50V |
| C121 | 1-162-294-31 | CERAMIC | 0.001MF | 10% | 50V | C332 | 1-130-476-00 | MYLAR | 0.0027MF | 5% | 50V |
| C123 | 1-162-294-31 | CERAMIC | 0.001MF | 10% | 50V | C333 | 1-130-483-00 | MYLAR | 0.01MF | 5% | 50V |
| C124 | 1-162-294-31 | CERAMIC | 0.001MF | 10% | 50V | C334 | 1-124-589-11 | ELECT | 47MF | 20% | 16V |
| C125 | 1-162-294-31 | CERAMIC | 0.001MF | 10% | 50V | C335 | 1-130-483-00 | MYLAR | 0.01MF | 5% | 50V |
| C126 | 1-162-294-31 | CERAMIC | 0.001MF | 10% | 50V | C336 | 1-124-589-11 | ELECT | 47MF | 20% | 16V |
| C127 | 1-162-294-31 | CERAMIC | 0.001MF | 10% | 50V | C337 | 1-136-156-00 | MYLAR | 0.018MF | 5% | 50V |
| C130 | 1-124-477-11 | ELECT | 47MF | 20% | 25V | C338 | 1-130-478-00 | MYLAR | 0.0039MF | 5% | 50V |
| C131 | 1-124-477-11 | ELECT | 47MF | 20% | 25V | C339 | 1-124-589-11 | ELECT | 47MF | 20% | 16V (LDP-3300P) |
| C132 | 1-124-477-11 | ELECT | 47MF | 20% | 25V | C340 | 1-126-320-11 | ELECT | 10MF | 20% | 16V |
| C133 | 1-124-477-11 | ELECT | 47MF | 20% | 25V | C341 | 1-130-483-00 | MYLAR | 0.01MF | 5% | 50V |
| C141 | 1-124-589-11 | ELECT | 47MF | 20% | 16V (LDP-3600D) | C342 | 1-130-487-00 | MYLAR | 0.022MF | 5% | 50V |
| C142 | 1-126-157-11 | ELECT | 10MF | 20% | 16V | C343 | 1-126-320-11 | ELECT | 10MF | 20% | 16V |
| C144 | 1-130-467-00 | MYLAR | 470PF | 5% | 50V (LDP-3600D) | C347 | 1-162-211-31 | CERAMIC | 33PF | 5% | 50V |
| C145 | 1-124-791-11 | ELECT | 1MF | 20% | 50V (LDP-3600D) | C348 | 1-130-489-00 | MYLAR | 0.033MF | 5% | 50V |
| C146 | 1-126-157-11 | ELECT | 10MF | 20% | 16V | C349 | 1-130-467-00 | MYLAR | 470PF | 5% | 50V |
| C150 | 1-124-589-11 | ELECT | 47MF | 20% | 16V | C350 | 1-130-483-00 | MYLAR | 0.01MF | 5% | 50V |
| C151 | 1-124-589-11 | ELECT | 47MF | 20% | 16V | C351 | 1-124-477-11 | ELECT | 47MF | 20% | 25V |
| C152 | 1-130-471-00 | MYLAR | 0.001MF | 5% | 50V | C352 | 1-130-483-00 | MYLAR | 0.01MF | 5% | 50V |
| C201 | 1-124-767-00 | ELECT | 2.2MF | 20% | 50V | C353 | 1-124-477-11 | ELECT | 47MF | 20% | 25V |
| C202 | 1-130-471-00 | MYLAR | 0.001MF | 5% | 50V | C354 | 1-126-529-11 | ELECT | 0.47MF | 20% | 50V |
| C204 | 1-130-476-00 | MYLAR | 0.0027MF | 5% | 50V | C356 | 1-162-280-31 | CERAMIC | 82PF | 10% | 50V |
| C206 | 1-130-489-00 | MYLAR | 0.033MF | 5% | 50V | C357 | 1-124-268-00 | ELECT | 0.22MF | 20% | 50V |
| C207 | 1-130-478-00 | MYLAR | 0.0039MF | 5% | 50V | C359 | 1-130-495-00 | MYLAR | 0.1MF | 5% | 50V |
| C300 | 1-162-211-31 | CERAMIC | 33PF | 5% | 50V | C360 | 1-130-495-00 | MYLAR | 0.1MF | 5% | 50V |
| C301 | 1-161-379-00 | CERAMIC | 0.01MF | 30% | 16V | C362 | 1-130-483-00 | MYLAR | 0.01MF | 5% | 50V |
| C302 | 1-124-589-11 | ELECT | 47MF | 20% | 16V | C363 | 1-124-589-11 | ELECT | 47MF | 20% | 16V |
| C303 | 1-162-211-31 | CERAMIC | 33PF | 5% | 50V | C364 | 1-130-483-00 | MYLAR | 0.01MF | 5% | 50V |
| C304 | 1-161-379-00 | CERAMIC | 0.01MF | 30% | 16V | C365 | 1-124-589-11 | ELECT | 47MF | 20% | 16V |
| C305 | 1-124-589-11 | ELECT | 47MF | 20% | 16V | C366 | 1-130-487-00 | MYLAR | 0.022MF | 5% | 50V |
| C308 | 1-130-476-00 | MYLAR | 0.0027MF | 5% | 50V | C367 | 1-124-273-00 | ELECT | 3.3MF | 20% | 50V |
| C309 | 1-130-485-00 | MYLAR | 0.015MF | 5% | 50V | C368 | 1-124-273-00 | ELECT | 3.3MF | 20% | 50V |
| C310 | 1-136-169-00 | MYLAR | 0.22MF | 5% | 50V | C369 | 1-124-282-00 | ELECT | 22MF | 20% | 16V |
| C311 | 1-162-280-31 | CERAMIC | 82PF | 10% | 50V | C371 | 1-162-211-31 | CERAMIC | 33PF | 5% | 50V |
| C312 | 1-161-329-00 | CERAMIC | 0.0068MF | 20% | 16V | C372 | 1-130-483-00 | MYLAR | 0.01MF | 5% | 50V |
| C313 | 1-126-101-11 | ELECT | 100MF | 20% | 16V | C373 | 1-161-379-00 | CERAMIC | 0.01MF | 30% | 16V |
| C314 | 1-124-477-11 | ELECT | 47MF | 20% | 16V | C374 | 1-130-471-00 | MYLAR | 0.001MF | 5% | 50V |
| C315 | 1-123-875-11 | ELECT | 10MF | 20% | 50V | C376 | 1-130-491-00 | MYLAR | 0.047MF | 5% | 50V |
| C316 | 1-124-446-11 | ELECT | 47MF | 20% | 10V | C377 | 1-136-169-00 | MYLAR | 0.22MF | 5% | 50V |

When indicating parts by reference number, please include the board name.

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| Ref.No | Part No. | Description | Remark | Ref.No | Part No. | Description | Remark |
|--------|--------------|---------------------------------------|--------|--------|--------------|-------------------------|--------|
| D433 | 8-719-911-19 | DIODE 1SS119 | | IC401 | 8-759-981-95 | IC RC4558S | |
| D451 | 8-719-911-19 | DIODE 1SS119 | | IC402 | 8-759-240-53 | IC TC4053BP | |
| D452 | 8-719-300-92 | DIODE EK04 | | IC403 | 8-759-305-31 | IC STA302A | |
| D453 | 8-719-300-92 | DIODE EK04 | | IC404 | 8-759-305-32 | IC STA303A | |
| D454 | 8-719-911-19 | DIODE 1SS119 | | IC405 | 8-759-981-95 | IC RC4558S | |
| D455 | 8-719-911-19 | DIODE 1SS119 | | IC451 | 8-759-981-95 | IC RC4558S | |
| | | <u>DELAY LINE</u> | | IC452 | 8-759-981-68 | IC LM2903S | |
| DL001 | 1-415-515-11 | DELAY LINE | | IC453 | 8-759-205-83 | IC TA7713P | |
| | | <u>FILTER</u> | | IC901 | 8-759-322-36 | IC HD63A01YORL70P | |
| FLO01 | 1-235-943-11 | BPF (LDP-3600D) | | IC902 | 8-759-631-98 | IC M60014-0120FP | |
| FLO02 | 1-236-262-11 | FILTER, BAND PASS | | IC903 | 8-759-103-27 | IC UPD8251AFC | |
| FLO03 | 1-235-924-11 | FILTER, LOW PASS (4.5MHZ) (LDP-3600D) | | IC904 | 8-759-913-99 | IC MB88201-173N | |
| FLO04 | 1-236-264-11 | FILTER, LOW PASS (5.0MHZ) | | IC905 | 8-759-013-15 | IC MC145411P | |
| | | <u>CONNECTOR</u> | | IC906 | 8-759-011-83 | IC MC145406P | |
| FN001 | 1-563-510-11 | CONNECTOR, FPC.FFC 24P | | IC907 | 8-759-240-11 | IC TC4011BP | |
| | | <u>IC</u> | | IC908 | 8-759-240-11 | IC TC4011BP | |
| IC001 | 8-752-006-12 | IC CX20061 (LDP-3600D) | | IC909 | 8-759-000-99 | IC MC74HC74N | |
| IC002 | 8-759-600-99 | IC M51481P | | | | <u>COIL</u> | |
| IC003 | 8-752-006-12 | IC CX20061 (LDP-3600D) | | L001 | 1-410-521-11 | INDUCTOR | 100UH |
| IC004 | 8-752-006-12 | IC CX20061 (LDP-3600D) | | L002 | 1-410-521-11 | INDUCTOR | 100UH |
| IC005 | 8-752-321-89 | IC CXL5003P | | L003 | 1-410-521-11 | INDUCTOR | 100UH |
| IC006 | 8-759-912-64 | IC PA0009 | | L004 | 1-408-421-00 | INDUCTOR | 100UH |
| IC010 | 8-752-006-12 | IC CX20061 | | L006 | 1-410-521-11 | INDUCTOR | 100UH |
| IC101 | 8-752-322-98 | IC CXD1091S | | L008 | 1-410-521-11 | INDUCTOR | 100UH |
| IC102 | 8-759-901-23 | IC SN74LS123N | | L009 | 1-408-421-00 | INDUCTOR | 100UH |
| IC103 | 8-759-345-38 | IC HD14538BP | | L011 | 1-410-522-11 | INDUCTOR | 120UH |
| IC104 | 8-759-250-81 | IC TC5081AP | | L012 | 1-410-515-11 | INDUCTOR | 33UH |
| IC105 | 8-759-240-53 | IC TC4053BP | | L013 | 1-410-513-11 | INDUCTOR | 22UH |
| IC106 | 8-759-240-11 | IC TC4011BP | | L014 | 1-410-521-11 | INDUCTOR | 100UH |
| IC107 | 8-759-345-38 | IC HD14538BP | | L015 | 1-410-521-11 | INDUCTOR | 100UH |
| IC108 | 8-759-345-38 | IC HD14538BP | | L103 | 1-410-521-11 | INDUCTOR | 100UH |
| IC109 | 8-759-240-24 | IC TC4024BP | | L141 | 1-410-521-11 | INDUCTOR | 100UH |
| IC110 | 8-759-345-38 | IC HD14538BP | | L300 | 1-410-521-11 | INDUCTOR | 100UH |
| IC111 | 8-759-203-68 | IC TC74HC4040P (LDP-3600D) | | L301 | 1-410-521-11 | INDUCTOR | 100UH |
| IC112 | 8-759-205-76 | IC TC504013BP (LDP-3600D) | | L302 | 1-410-521-11 | INDUCTOR | 100UH |
| IC113 | 8-759-240-11 | IC TC4011BP (LDP-3600D) | | L303 | 1-410-521-11 | INDUCTOR | 100UH |
| IC301 | 8-759-981-95 | IC RC4558S | | L304 | 1-410-521-11 | INDUCTOR | 100UH |
| IC302 | 8-759-981-95 | IC RC4558S | | L305 | 1-410-521-11 | INDUCTOR | 100UH |
| IC303 | 8-759-981-95 | IC RC4558S | | L306 | 1-410-521-11 | INDUCTOR | 100UH |
| IC304 | 8-759-981-68 | IC LM2903S | | L307 | 1-410-521-11 | INDUCTOR | 100UH |
| IC305 | 8-749-920-75 | IC STA-451C | | L308 | 1-410-521-11 | INDUCTOR | 100UH |
| IC306 | 8-759-981-95 | IC RC4558S | | L309 | 1-410-521-11 | INDUCTOR | 100UH |
| IC307 | 8-759-981-95 | IC RC4558S | | L310 | 1-410-521-11 | INDUCTOR | 100UH |
| IC308 | 8-749-920-75 | IC STA-451C | | L313 | 1-410-521-11 | INDUCTOR | 100UH |
| IC309 | 8-759-981-95 | IC RC4558S | | L314 | 1-410-521-11 | INDUCTOR | 100UH |
| IC310 | 8-759-981-95 | IC RC4558S | | L401 | 1-410-521-11 | INDUCTOR | 100UH |
| IC312 | 8-759-982-52 | IC RC79M05FA | | L402 | 1-410-521-11 | INDUCTOR | 100UH |
| IC313 | 8-759-321-40 | IC HA11529 | | L451 | 1-410-305-12 | COIL, CHOKE 400UH | |
| | | | | | | <u>IC LINK</u> | |
| | | | | PS301A | 1-532-675-00 | LINK, IC (ICP-F38 1.5A) | |
| | | | | PS302A | 1-532-675-00 | LINK, IC (ICP-F38 1.5A) | |

When indicating parts by reference number, please include the board name.

Note: The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

| Ref.No | Part No. | Description | Remark | Ref.No | Part No. | Description | Remark |
|-------------------|----------------|------------------------------------|--------|-----------------|--------------|------------------------|--------------------------|
| PS303 | △,1-532-675-00 | LINK, IC (ICP-F38 1.5A) | | Q410 | 8-729-281-53 | TRANSISTOR 2SC1815-GR | |
| PS304 | △,1-532-675-00 | LINK, IC (ICP-F38 1.5A) | | Q411 | 8-729-201-53 | TRANSISTOR 2SA1015-GR | |
| PS401 | △,1-532-686-00 | LINK, IC (ICP-F75 2.7A) | | Q412 | 8-729-281-53 | TRANSISTOR 2SC1815-GR | |
| PS402 | △,1-532-686-00 | LINK, IC (ICP-F75 2.7A) | | Q413 | 8-729-281-53 | TRANSISTOR 2SC1815-GR | |
| | | | | Q414 | 8-729-201-53 | TRANSISTOR 2SA1015-GR | |
| <u>TRANSISTOR</u> | | | | | | | |
| Q001 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | Q415 | 8-729-281-53 | TRANSISTOR 2SC1815-GR | |
| Q002 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | Q416 | 8-729-281-53 | TRANSISTOR 2SC1815-GR | |
| Q003 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | Q417 | 8-729-201-53 | TRANSISTOR 2SA1015-GR | |
| Q004 | 8-729-900-36 | TRANSISTOR DTC124ES | | Q418 | 8-729-281-53 | TRANSISTOR 2SC1815-GR | |
| Q005 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | Q420 | 8-729-900-63 | TRANSISTOR DTA124ES | |
| Q006 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | Q421 | 8-729-900-63 | TRANSISTOR DTA124ES | |
| Q007 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | Q422 | 8-729-900-36 | TRANSISTOR DTC124ES | |
| Q008 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | Q423 | 8-729-900-63 | TRANSISTOR DTA124ES | |
| Q009 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | Q432 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q010 | 8-729-900-36 | TRANSISTOR DTC124ES | | Q451 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | |
| Q011 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE (LDP-3600D) | | Q452 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | |
| Q012 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | Q453 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q013 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | Q458 | 8-729-804-68 | TRANSISTOR 2SB1133-S | |
| Q051 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | Q459 | 8-729-804-17 | TRANSISTOR 2SD1666-R | |
| Q052 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | | <u>RESISTOR</u> | | | |
| Q053 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R001 | 1-249-413-11 | CARBON | 470 5% 1/4W |
| Q054 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R002 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W |
| Q055 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | | R003 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| Q056 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R004 | 1-249-420-11 | CARBON | 1.8K 5% 1/4W |
| Q057 | 8-729-900-36 | TRANSISTOR DTC124-TP (LDP-3600D) | | R005 | 1-249-416-11 | CARBON | 820 5% 1/4W |
| Q058 | 8-729-900-36 | TRANSISTOR DTC124-TP | | R006 | 1-249-409-11 | CARBON | 220 5% 1/4W |
| Q059 | 8-729-900-36 | TRANSISTOR DTC124-TP (LDP-3600D) | | R007 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| Q101 | 8-729-900-89 | TRANSISTOR DTC144-TP | | R010 | 1-249-417-11 | CARBON | 1K 5% 1/4W (LDP-3600D) |
| Q102 | 8-729-900-63 | TRANSISTOR DTA124-TP | | R011 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| Q103 | 8-729-900-80 | TRANSISTOR DTC114-TP | | R013 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| Q105 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | | R014 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| Q106 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | | R015 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| Q107 | 8-729-900-36 | TRANSISTOR DTC124-TP | | R016 | 1-249-433-11 | CARBON | 22K 5% 1/4W |
| Q140 | 8-729-900-89 | TRANSISTOR DTC144-TP (LDP-3600D) | | R017 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W (LDP-3600D) |
| Q201 | 8-729-900-80 | TRANSISTOR DTC114-TP | | R018 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| Q303 | 8-729-900-61 | TRANSISTOR DTA114-TP | | R019 | 1-249-420-11 | CARBON | 1.8K 5% 1/4W |
| Q304 | 8-729-218-43 | TRANSISTOR 2SK184-GR | | R020 | 1-249-413-11 | CARBON | 470 5% 1/4W |
| Q305 | 8-729-900-61 | TRANSISTOR DTA114-TP | | R021 | 1-249-417-11 | CARBON | 1K 5% 1/4W (LDP-3600D) |
| Q306 | 8-729-900-80 | TRANSISTOR DTC114-TP | | R022 | 1-249-417-11 | CARBON | 1K 5% 1/4W (LDP-3600D) |
| Q307 | 8-729-218-43 | TRANSISTOR 2SK184-GR | | R023 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| Q308 | 8-729-218-43 | TRANSISTOR 2SK184-GR | | R024 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| Q310 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R025 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| Q311 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R026 | 1-249-418-11 | CARBON | 1.2K 5% 1/4W (LDP-3600D) |
| Q312 | 8-729-320-62 | TRANSISTOR 2SD789-34 | | R027 | 1-249-415-11 | CARBON | 680 5% 1/4W (LDP-3600D) |
| Q313 | 8-729-320-62 | TRANSISTOR 2SD789-34 | | R028 | 1-249-419-11 | CARBON | 1.5K 5% 1/4W |
| Q314 | 8-729-900-63 | TRANSISTOR DTA124ES | | R029 | 1-249-414-11 | CARBON | 560 5% 1/4W |
| Q401 | 8-729-900-36 | TRANSISTOR DTC124ES | | R030 | 1-249-413-11 | CARBON | 470 5% 1/4W |
| Q402 | 8-729-900-36 | TRANSISTOR DTC124ES | | R031 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| Q403 | 8-729-900-63 | TRANSISTOR DTA124ES | | R032 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| Q404 | 8-729-900-36 | TRANSISTOR DTC124ES | | R033 | 1-249-413-11 | CARBON | 470 5% 1/4W |
| Q405 | 8-729-900-63 | TRANSISTOR DTA124ES | | R051 | 1-249-436-11 | CARBON | 39K 5% 1/4W |
| | | | | R052 | 1-249-430-11 | CARBON | 12K 5% 1/4W |

When indicating parts by reference number, please include the board name.

Note: The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

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| Ref.No | Part No. | Description | Remark | Ref.No | Part No. | Description | Remark |
|--------|--------------|-------------|--------------------------|--------|--------------|-------------|--------------|
| R053 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W | R147 | 1-249-438-11 | CARBON | 56K 5% 1/4W |
| R054 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W | R150 | 1-249-437-11 | CARBON | 47K 5% 1/4W |
| R055 | 1-249-414-11 | CARBON | 560 5% 1/4W | R151 | 1-249-428-11 | CARBON | 8.2K 5% 1/4W |
| R056 | 1-249-420-11 | CARBON | 1.8K 5% 1/4W | R152 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| R057 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W | R153 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| R058 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R154 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W |
| R064 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R155 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W |
| R065 | 1-247-903-00 | CARBON | 1M 5% 1/4W | R156 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W |
| R066 | 1-249-426-11 | CARBON | 5.6K 5% 1/4W | R171 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| R067 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R201 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W |
| R068 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R202 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W |
| R069 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W | R203 | 1-247-895-00 | CARBON | 470K 5% 1/4W |
| R074 | 1-249-429-11 | CARBON | 10K 5% 1/4W | R205 | 1-249-439-11 | CARBON | 68K 5% 1/4W |
| R075 | 1-249-413-11 | CARBON | 470 5% 1/4W | R206 | 1-247-897-11 | CARBON | 560K 5% 1/4W |
| R076 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R207 | 1-247-887-00 | CARBON | 220K 5% 1/4W |
| R080 | 1-249-409-11 | CARBON | 220 5% 1/4W | R208 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| R081 | 1-249-406-11 | CARBON | 120 5% 1/4W | R210 | 1-249-405-11 | CARBON | 100 5% 1/4W |
| R082 | 1-249-441-11 | CARBON | 100K 5% 1/4W | R211 | 1-249-433-11 | CARBON | 22K 5% 1/4W |
| R083 | 1-249-426-11 | CARBON | 5.6K 5% 1/4W | R300 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W |
| R084 | 1-249-430-11 | CARBON | 12K 5% 1/4W | R301 | 1-249-437-11 | CARBON | 47K 5% 1/4W |
| R085 | 1-249-429-11 | CARBON | 10K 5% 1/4W | R302 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W |
| R086 | 1-249-426-11 | CARBON | 5.6K 5% 1/4W | R303 | 1-249-436-11 | CARBON | 39K 5% 1/4W |
| R087 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W | R304 | 1-249-431-11 | CARBON | 15K 5% 1/4W |
| R101 | 1-249-435-11 | CARBON | 33K 5% 1/4W | R305 | 1-249-431-11 | CARBON | 15K 5% 1/4W |
| R105 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W | R306 | 1-249-431-11 | CARBON | 15K 5% 1/4W |
| R106 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W | R307 | 1-249-434-11 | CARBON | 27K 5% 1/4W |
| R107 | 1-247-891-00 | CARBON | 330K 5% 1/4W | R308 | 1-249-419-11 | CARBON | 1.5K 5% 1/4W |
| R108 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R309 | 1-249-434-11 | CARBON | 27K 5% 1/4W |
| R109 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W | R310 | 1-249-405-11 | CARBON | 100 5% 1/4W |
| R110 | 1-249-440-11 | CARBON | 82K 5% 1/4W | R311 | 1-249-389-11 | CARBON | 4.7 5% 1/4W |
| R111 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R312 | 1-249-436-11 | CARBON | 39K 5% 1/4W |
| R112 | 1-249-441-11 | CARBON | 100K 5% 1/4W | R313 | 1-249-424-11 | CARBON | 3.9K 5% 1/4W |
| R113 | 1-249-429-11 | CARBON | 10K 5% 1/4W | R314 | 1-249-436-11 | CARBON | 39K 5% 1/4W |
| R114 | 1-247-881-00 | CARBON | 120K 5% 1/4W | R315 | 1-249-441-11 | CARBON | 100K 5% 1/4W |
| R115 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R316 | 1-249-441-11 | CARBON | 100K 5% 1/4W |
| R116 | 1-249-429-11 | CARBON | 10K 5% 1/4W | R317 | 1-249-434-11 | CARBON | 27K 5% 1/4W |
| R117 | 1-215-462-00 | METAL | 51K 1% 1/6W | R318 | 1-249-427-11 | CARBON | 6.8K 5% 1/4W |
| R119 | 1-247-881-00 | CARBON | 120K 5% 1/4W | R319 | 1-249-441-11 | CARBON | 100K 5% 1/4W |
| R121 | 1-249-429-11 | CARBON | 10K 5% 1/4W | R320 | 1-249-427-11 | CARBON | 6.8K 5% 1/4W |
| R122 | 1-249-430-11 | CARBON | 12K 5% 1/4W | R321 | 1-249-435-11 | CARBON | 33K 5% 1/4W |
| R128 | 1-249-429-11 | CARBON | 10K 5% 1/4W | R322 | 1-249-401-11 | CARBON | 47 5% 1/4W |
| R129 | 1-249-433-11 | CARBON | 22K 5% 1/4W | R323 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W |
| R130 | 1-249-433-11 | CARBON | 22K 5% 1/4W | R324 | 1-249-418-11 | CARBON | 1.2K 5% 1/4W |
| R131 | 1-249-407-11 | CARBON | 150 5% 1/4W | R325 | 1-249-420-11 | CARBON | 1.8K 5% 1/4W |
| R132 | 1-249-407-11 | CARBON | 150 5% 1/4W | R326 | 1-249-427-11 | CARBON | 6.8K 5% 1/4W |
| R134 | 1-249-429-11 | CARBON | 10K 5% 1/4W | R327 | 1-249-420-11 | CARBON | 1.8K 5% 1/4W |
| R137 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W | R328 | 1-249-420-11 | CARBON | 1.8K 5% 1/4W |
| R138 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R329 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W |
| R141 | 1-249-417-11 | CARBON | 1K 5% 1/4W (LDP-3600D) | R330 | 1-249-415-11 | CARBON | 680 5% 1/4W |
| R142 | 1-249-429-11 | CARBON | 10K 5% 1/4W (LDP-3600D) | R331 | 1-249-389-11 | CARBON | 4.7 5% 1/4W |
| R143 | 1-249-428-11 | CARBON | 8.2K 5% 1/4W (LDP-3600D) | R332 | 1-244-832-11 | CARBON | 20 5% 1/2W |
| R144 | 1-249-441-11 | CARBON | 100K 5% 1/4W (LDP-3600D) | R333 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| R145 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W | R334 | 1-249-429-11 | CARBON | 10K 5% 1/4W |

When indicating parts by reference number, please include the board name.

| Ref.No | Part No. | Description | Remark | Ref.No | Part No. | Description | Remark |
|--------|---------------|-------------|--------------|--------|---------------|-------------|--------------|
| R335 | 1-249-407-11 | CARBON | 150 5% 1/4W | R392 | 1-249-411-11 | CARBON | 330 5% 1/4W |
| R336 | △1-216-374-00 | METAL OXIDE | 2.7 5% 2W F | R393 | 1-249-438-11 | CARBON | 56K 5% 1/4W |
| R337 | 1-247-903-00 | CARBON | 1M 5% 1/4W | R394 | 1-249-401-11 | CARBON | 47 5% 1/4W |
| R338 | 1-249-428-11 | CARBON | 8.2K 5% 1/4W | R395 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| R339 | 1-249-432-11 | CARBON | 18K 5% 1/4W | R396 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| R340 | 1-249-424-11 | CARBON | 3.9K 5% 1/4W | R397 | △1-216-374-00 | METAL OXIDE | 2.7 5% 2W F |
| R341 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W | R398 | 1-249-433-11 | CARBON | 22K 5% 1/4W |
| R342 | 1-249-429-11 | CARBON | 10K 5% 1/4W | R399 | 1-249-405-11 | CARBON | 100 5% 1/4W |
| R343 | 1-249-429-11 | CARBON | 10K 5% 1/4W | R401 | 1-249-435-11 | CARBON | 33K 5% 1/4W |
| R344 | 1-215-457-00 | METAL | 33K 1% 1/6W | R402 | 1-249-435-11 | CARBON | 33K 5% 1/4W |
| R345 | 1-215-451-00 | METAL | 18K 1% 1/6W | R403 | 1-249-441-11 | CARBON | 100K 5% 1/4W |
| R346 | 1-249-429-11 | CARBON | 10K 5% 1/4W | R404 | 1-249-431-11 | CARBON | 15K 5% 1/4W |
| R347 | 1-247-901-11 | CARBON | 820K 5% 1/4W | R405 | 1-247-887-00 | CARBON | 220K 5% 1/4W |
| R348 | 1-215-457-00 | METAL | 33K 1% 1/6W | R406 | 1-249-438-11 | CARBON | 56K 5% 1/4W |
| R349 | 1-215-452-00 | METAL | 20K 1% 1/6W | R407 | 1-249-433-11 | CARBON | 22K 5% 1/4W |
| R350 | 1-247-901-11 | CARBON | 820K 5% 1/4W | R408 | 1-247-893-11 | CARBON | 390K 5% 1/4W |
| R351 | 1-249-437-11 | CARBON | 47K 5% 1/4W | R409 | 1-249-431-11 | CARBON | 15K 5% 1/4W |
| R352 | 1-247-887-00 | CARBON | 220K 5% 1/4W | R410 | 1-249-431-11 | CARBON | 15K 5% 1/4W |
| R353 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W | R411 | 1-249-413-11 | CARBON | 470 5% 1/4W |
| R355 | 1-249-433-11 | CARBON | 22K 5% 1/4W | R412 | 1-247-887-00 | CARBON | 220K 5% 1/4W |
| R357 | 1-249-429-11 | CARBON | 10K 5% 1/4W | R413 | 1-249-433-11 | CARBON | 22K 5% 1/4W |
| R358 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W | R414 | 1-247-887-00 | CARBON | 220K 5% 1/4W |
| R359 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W | R415 | 1-247-881-00 | CARBON | 120K 5% 1/4W |
| R360 | 1-249-428-11 | CARBON | 8.2K 5% 1/4W | R416 | 1-247-887-00 | CARBON | 220K 5% 1/4W |
| R361 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W | R417 | 1-247-887-00 | CARBON | 220K 5% 1/4W |
| R362 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W | R418 | 1-247-893-11 | CARBON | 390K 5% 1/4W |
| R363 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W | R419 | 1-249-437-11 | CARBON | 47K 5% 1/4W |
| R364 | 1-249-429-11 | CARBON | 10K 5% 1/4W | R420 | 1-247-887-00 | CARBON | 220K 5% 1/4W |
| R365 | 1-249-428-11 | CARBON | 8.2K 5% 1/4W | R423 | 1-249-430-11 | CARBON | 12K 5% 1/4W |
| R366 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W | R424 | 1-249-430-11 | CARBON | 12K 5% 1/4W |
| R367 | 1-249-431-11 | CARBON | 15K 5% 1/4W | R431 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W |
| R368 | 1-249-431-11 | CARBON | 15K 5% 1/4W | R432 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W |
| R369 | 1-249-431-11 | CARBON | 15K 5% 1/4W | R433 | 1-249-418-11 | CARBON | 1.2K 5% 1/4W |
| R370 | 1-249-431-11 | CARBON | 15K 5% 1/4W | R434 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W |
| R371 | 1-249-441-11 | CARBON | 100K 5% 1/4W | R435 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W |
| R372 | 1-249-441-11 | CARBON | 100K 5% 1/4W | R436 | 1-249-418-11 | CARBON | 1.2K 5% 1/4W |
| R373 | 1-247-889-00 | CARBON | 270K 5% 1/4W | R437 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W |
| R374 | 1-247-897-11 | CARBON | 560K 5% 1/4W | R438 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W |
| R375 | 1-249-434-11 | CARBON | 27K 5% 1/4W | R439 | 1-249-418-11 | CARBON | 1.2K 5% 1/4W |
| R376 | 1-249-434-11 | CARBON | 27K 5% 1/4W | R440 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W |
| R377 | 1-249-439-11 | CARBON | 68K 5% 1/4W | R441 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W |
| R378 | 1-249-429-11 | CARBON | 10K 5% 1/4W | R442 | 1-249-418-11 | CARBON | 1.2K 5% 1/4W |
| R379 | 1-249-405-11 | CARBON | 100 5% 1/4W | R443 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W |
| R380 | 1-249-436-11 | CARBON | 39K 5% 1/4W | R444 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W |
| R381 | 1-249-440-11 | CARBON | 82K 5% 1/4W | R445 | 1-249-418-11 | CARBON | 1.2K 5% 1/4W |
| R382 | 1-249-439-11 | CARBON | 68K 5% 1/4W | R446 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W |
| R383 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R447 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W |
| R384 | 1-249-429-11 | CARBON | 10K 5% 1/4W | R448 | 1-249-418-11 | CARBON | 1.2K 5% 1/4W |
| R386 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R451 | 1-249-430-11 | CARBON | 12K 5% 1/4W |
| R387 | 1-249-432-11 | CARBON | 18K 5% 1/4W | R452 | 1-249-439-11 | CARBON | 68K 5% 1/4W |
| R388 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R453 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| R389 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W | R454 | 1-249-441-11 | CARBON | 100K 5% 1/4W |
| R390 | 1-249-437-11 | CARBON | 47K 5% 1/4W | R455 | 1-249-441-11 | CARBON | 100K 5% 1/4W |

When indicating parts by reference number, please include the board name.

Note: The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

| Ref.No | Part No. | Description | Remark | Ref.No | Part No. | Description | Remark |
|--------|---------------|-------------|--------------|-------------------|--------------|-----------------------------------|--------------|
| R456 | 1-249-433-11 | CARBON | 22K 5% 1/4W | R532 | 1-249-438-11 | CARBON | 56K 5% 1/4W |
| R457 | △1-207-620-00 | METAL OXIDE | 1 5% 3W F | R533 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W |
| R458 | 1-249-405-11 | CARBON | 100 5% 1/4W | R534 | 1-249-410-11 | CARBON | 270 5% 1/4W |
| R459 | 1-249-405-11 | CARBON | 100 5% 1/4W | R535 | 1-249-435-11 | CARBON | 33K 5% 1/4W |
| R462 | 1-215-461-00 | METAL | 47K 1% 1/6W | R536 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| R463 | 1-215-447-00 | METAL | 12K 1% 1/6W | R537 | 1-249-413-11 | CARBON | 470 5% 1/4W |
| R464 | 1-215-461-00 | METAL | 47K 1% 1/6W | R539 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| R465 | 1-215-447-00 | METAL | 12K 1% 1/6W | R540 | 1-249-415-11 | CARBON | 680 5% 1/4W |
| R466 | 1-249-430-11 | CARBON | 12K 5% 1/4W | R550 | 1-249-434-11 | CARBON | 27K 5% 1/4W |
| R467 | 1-249-429-11 | CARBON | 10K 5% 1/4W | R551 | 1-249-433-11 | CARBON | 22K 5% 1/4W |
| R468 | 1-249-433-11 | CARBON | 22K 5% 1/4W | R552 | 1-249-433-11 | CARBON | 22K 5% 1/4W |
| R469 | 1-249-433-11 | CARBON | 22K 5% 1/4W | R591 | 1-249-433-11 | CARBON | 22K 5% 1/4W |
| R470 | 1-249-423-11 | CARBON | 3.3K 5% 1/4W | R601 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| R471 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R602 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| R472 | 1-249-423-11 | CARBON | 3.3K 5% 1/4W | R901 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| R473 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R902 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W |
| R474 | 1-249-429-11 | CARBON | 10K 5% 1/4W | R903 | 1-247-903-00 | CARBON | 1M 5% 1/4W |
| R481 | 1-249-433-11 | CARBON | 22K 5% 1/4W | R904 | 1-249-409-11 | CARBON | 220 5% 1/4W |
| R482 | 1-249-429-11 | CARBON | 10K 5% 1/4W | R905 | 1-249-409-11 | CARBON | 220 5% 1/4W |
| R484 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R906 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| R485 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R907 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| R486 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R908 | 1-249-426-11 | CARBON | 5.6K 5% 1/4W |
| R496 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R909 | 1-249-426-11 | CARBON | 5.6K 5% 1/4W |
| R497 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R910 | 1-249-433-11 | CARBON | 22K 5% 1/4W |
| R498 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R911 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| R499 | 1-249-432-11 | CARBON | 18K 5% 1/4W | R914 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| R501 | 1-249-441-11 | CARBON | 100K 5% 1/4W | R915 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| R502 | 1-249-441-11 | CARBON | 100K 5% 1/4W | R921 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| R503 | 1-249-429-11 | CARBON | 10K 5% 1/4W | R923 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| R504 | 1-249-429-11 | CARBON | 10K 5% 1/4W | R950 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W |
| R505 | 1-249-429-11 | CARBON | 10K 5% 1/4W | R951 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W |
| R506 | 1-249-439-11 | CARBON | 68K 5% 1/4W | R952 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W |
| R507 | 1-249-429-11 | CARBON | 10K 5% 1/4W | R953 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W |
| R508 | 1-247-885-00 | CARBON | 180K 5% 1/4W | R954 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W |
| R509 | 1-249-440-11 | CARBON | 82K 5% 1/4W | | | | |
| R510 | 1-249-429-11 | CARBON | 10K 5% 1/4W | VARIABLE RESISTOR | | | |
| R511 | 1-249-401-11 | CARBON | 47 5% 1/4W | RV002 | 1-228-993-00 | RES, ADJ, CARBON 4.7K (LDP-3600D) | |
| R512 | 1-249-429-11 | CARBON | 10K 5% 1/4W | RV003 | 1-228-989-00 | RES, ADJ, CARBON 470 (LDP-3600D) | |
| R513 | 1-249-417-11 | CARBON | 1K 5% 1/4W | RV004 | 1-228-991-00 | RES, ADJ, CARBON 2.2K | |
| R514 | 1-249-441-11 | CARBON | 100K 5% 1/4W | RV005 | 1-228-994-00 | RES, ADJ, CARBON 10K | |
| R515 | 1-249-429-11 | CARBON | 10K 5% 1/4W | RV006 | 1-228-989-00 | RES, ADJ, CARBON 470 | |
| R516 | 1-249-417-11 | CARBON | 1K 5% 1/4W | RV101 | 1-228-996-00 | RES, ADJ, CARBON 47K | |
| R517 | 1-249-418-11 | CARBON | 1.2K 5% 1/4W | RV201 | 1-228-993-00 | RES, ADJ, CARBON 4.7K | |
| R518 | 1-247-889-00 | CARBON | 270K 5% 1/4W | RV300 | 1-228-995-00 | RES, ADJ, CARBON 22K | |
| R519 | 1-249-418-11 | CARBON | 1.2K 5% 1/4W | RV301 | 1-228-990-00 | RES, ADJ, CARBON 1K | |
| R520 | 1-249-405-11 | CARBON | 100 5% 1/4W | RV302 | 1-228-996-00 | RES, ADJ, CARBON 47K | |
| R521 | 1-249-393-11 | CARBON | 10 5% 1/4W | RV303 | 1-228-995-00 | RES, ADJ, CARBON 22K | |
| R522 | 1-249-418-11 | CARBON | 1.2K 5% 1/4W | RV304 | 1-228-994-00 | RES, ADJ, CARBON 10K | |
| R523 | 1-247-883-00 | CARBON | 150K 5% 1/4W | RV306 | 1-228-993-00 | RES, ADJ, CARBON 4.7K | |
| R524 | 1-249-401-11 | CARBON | 47 5% 1/4W | | | | |
| R528 | 1-249-433-11 | CARBON | 22K 5% 1/4W | CRYSTAL | | | |
| R530 | 1-249-429-11 | CARBON | 10K 5% 1/4W | X901 | 1-567-152-00 | OSCILLATOR, CERAMIC (4MHz) | |
| R531 | 1-249-436-11 | CARBON | 39K 5% 1/4W | X902 | 1-567-889-11 | VIBRATOR, CRYSTAL (1.843MHz) | |

When indicating parts by reference number, please include the board name.

Note: The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

| Ref.No | Part No. | Description | Remark | Ref.No | Part No. | Description | Remark |
|-------------------------|--------------|---|-----------------|--------|--------------|-------------|------------------------------|
| *A-6421-315-A | | AV-06 (D) BOARD, COMPLETE ***** (LDP-3600D: AEP/UK) | | C135 | 1-124-791-11 | ELECT | 1MF 20% 50V |
| | | | | C136 | 1-124-477-11 | ELECT | 47MF 20% 16V |
| | | | | C137 | 1-130-479-00 | MYLAR | 0.0047MF 5% 50V |
| | | | | C138 | 1-131-367-00 | TANTALUM | 22MF 10% 16V |
| *A-6421-320-A | | AV-06 (P) BOARD, COMPLETE (LDP-3300P) ***** | | C139 | 1-124-477-11 | ELECT | 47MF 20% 16V |
| | | | | C140 | 1-124-477-11 | ELECT | 47MF 20% 16V |
| *A-6421-435-A | | AV-06 (U) BOARD, COMPLETE (Ref.No 2,000 ***** (LDP-3600D: US) Series) | | C141 | 1-124-477-11 | ELECT | 47MF 20% 16V |
| | | | | C142 | 1-124-477-11 | ELECT | 47MF 20% 16V |
| | | | | C143 | 1-124-477-11 | ELECT | 47MF 20% 16V |
| | | | | C144 | 1-124-477-11 | ELECT | 47MF 20% 16V |
| <u>BAND PASS FILTER</u> | | | | | | | |
| BPF201 | 1-235-805-11 | FILTER, BAND PASS (684KHz) | | C145 | 1-130-487-00 | MYLAR | 0.022MF 5% 50V |
| BPF202 | 1-235-806-11 | FILTER, BAND PASS (1.066MHz) | | C146 | 1-130-477-00 | MYLAR | 0.0033MF 5% 50V |
| BPF301 | 1-235-925-11 | FILTER, BAND PASS (2.3MHZ) (LDP-3600D) | | C147 | 1-130-469-00 | MYLAR | 680PF 5% 50V (LDP-3600D) |
| BPF302 | 1-235-926-11 | FILTER, BAND PASS (2.8MHZ) (LDP-3600D) | | C148 | 1-124-477-11 | ELECT | 47MF 20% 16V |
| | | | | C149 | 1-124-477-11 | ELECT | 47MF 20% 16V |
| <u>CAPACITOR</u> | | | | | | | |
| C001 | 1-161-494-00 | CERAMIC | 0.022MF 25V | C150 | 1-130-483-00 | MYLAR | 0.01MF 5% 50V |
| C002 | 1-161-494-00 | CERAMIC | 0.022MF 25V | C151 | 1-161-329-00 | CERAMIC | 0.0068MF 20% 16V |
| C003 | 1-161-494-00 | CERAMIC | 0.022MF 25V | C152 | 1-161-329-00 | CERAMIC | 0.0068MF 20% 16V |
| C101 | 1-130-495-00 | MYLAR | 0.1MF 5% 50V | C153 | 1-162-211-31 | CERAMIC | 33PF 5% 50V |
| C102 | 1-102-965-00 | CERAMIC | 39PF 5% 50V | C154 | 1-162-211-31 | CERAMIC | 33PF 5% 50V |
| C103 | 1-162-211-31 | CERAMIC | 33PF 5% 50V | C155 | 1-161-329-00 | CERAMIC | 0.0068MF 20% 16V |
| C105 | 1-124-477-11 | ELECT | 47MF 20% 16V | C160 | 1-102-074-00 | CERAMIC | 0.001MF 10% 50V (LDP-3600D) |
| C106 | 1-124-477-11 | ELECT | 47MF 20% 16V | C161 | 1-102-074-00 | CERAMIC | 0.001MF 10% 50V (LDP-3600D) |
| C107 | 1-124-477-11 | ELECT | 47MF 20% 16V | C190 | 1-161-494-00 | CERAMIC | 0.022MF 25V |
| C108 | 1-124-477-11 | ELECT | 47MF 20% 16V | C191 | 1-161-494-00 | CERAMIC | 0.022MF 25V |
| C109 | 1-124-477-11 | ELECT | 47MF 20% 16V | C192 | 1-161-494-00 | CERAMIC | 0.022MF 25V |
| C110 | 1-124-477-11 | ELECT | 47MF 20% 16V | C193 | 1-161-494-00 | CERAMIC | 0.022MF 25V |
| C111 | 1-102-951-00 | CERAMIC | 15PF 5% 50V | C194 | 1-161-494-00 | CERAMIC | 0.022MF 25V |
| C112 | 1-162-207-31 | CERAMIC | 22PF 5% 50V | C195 | 1-161-494-00 | CERAMIC | 0.022MF 25V |
| C113 | 1-124-477-11 | ELECT | 47MF 20% 16V | C196 | 1-161-494-00 | CERAMIC | 0.022MF 25V |
| C114 | 1-130-479-00 | MYLAR | 0.0047MF 5% 50V | C197 | 1-161-494-00 | CERAMIC | 0.022MF 25V |
| C115 | 1-130-481-00 | MYLAR | 0.0068MF 5% 50V | C198 | 1-161-494-00 | CERAMIC | 0.022MF 25V |
| C116 | 1-130-481-00 | MYLAR | 0.0068MF 5% 50V | C201 | 1-162-284-31 | CERAMIC | 150PF 10% 50V |
| C117 | 1-162-215-31 | CERAMIC | 47PF 5% 50V | C202 | 1-162-288-31 | CERAMIC | 330PF 10% 50V |
| C118 | 1-102-978-00 | CERAMIC | 220PF 5% 50V | C203 | 1-162-284-31 | CERAMIC | 150PF 10% 50V |
| C119 | 1-162-215-31 | CERAMIC | 47PF 5% 50V | C204 | 1-161-329-00 | CERAMIC | 0.0068MF 20% 16V |
| C120 | 1-162-215-31 | CERAMIC | 47PF 5% 50V | C205 | 1-124-477-11 | ELECT | 47MF 20% 16V |
| C121 | 1-124-477-11 | ELECT | 47MF 20% 16V | C206 | 1-124-477-11 | ELECT | 47MF 20% 16V |
| C122 | 1-130-483-00 | MYLAR | 0.01MF 5% 50V | C207 | 1-161-379-00 | CERAMIC | 0.01MF 30% 16V |
| C123 | 1-130-483-00 | MYLAR | 0.01MF 5% 50V | C208 | 1-161-329-00 | CERAMIC | 0.0068MF 20% 16V |
| C124 | 1-130-477-00 | MYLAR | 0.0033MF 5% 50V | C209 | 1-124-477-11 | ELECT | 47MF 20% 16V |
| C125 | 1-130-483-00 | MYLAR | 0.01MF 5% 50V | C210 | 1-161-329-00 | CERAMIC | 0.0068MF 20% 16V (LDP-3600D) |
| C126 | 1-102-973-00 | CERAMIC | 100PF 5% 50V | C213 | 1-161-494-00 | CERAMIC | 0.022MF 25V |
| C127 | 1-101-004-00 | CERAMIC | 0.01MF 50V | C214 | 1-161-494-00 | CERAMIC | 0.022MF 25V |
| C128 | 1-130-481-00 | MYLAR | 0.0068MF 5% 50V | C215 | 1-161-494-00 | CERAMIC | 0.022MF 25V |
| C129 | 1-102-973-00 | CERAMIC | 100PF 5% 50V | C216 | 1-161-494-00 | CERAMIC | 0.022MF 25V |
| C130 | 1-102-978-00 | CERAMIC | 220PF 5% 50V | C217 | 1-162-211-31 | CERAMIC | 33PF 5% 50V |
| C131 | 1-102-978-00 | CERAMIC | 220PF 5% 50V | C218 | 1-162-288-31 | CERAMIC | 330PF 10% 50V |
| C132 | 1-130-479-00 | MYLAR | 0.0047MF 5% 50V | C219 | 1-161-379-00 | CERAMIC | 0.01MF 30% 16V |
| C133 | 1-130-479-00 | MYLAR | 0.0047MF 5% 50V | C220 | 1-162-293-31 | CERAMIC | 820PF 10% 50V |
| C134 | 1-130-495-00 | MYLAR | 0.1MF 5% 50V | C221 | 1-126-176-11 | ELECT | 220MF 20% 10V |
| | | | | C222 | 1-130-473-00 | MYLAR | 0.0015MF 5% 50V |
| | | | | C223 | 1-162-287-31 | CERAMIC | 270PF 10% 50V |

When indicating parts by reference number, please include the board name.

AV-06

| Ref.No | Part No. | Description | Remark | Ref.No | Part No. | Description | Remark |
|--------|--------------|-------------|------------------------------|--------|--------------|-------------|--------------------------|
| C225 | 1-130-478-00 | MYLAR | 0.0039MF 5% 50V | C601 | 1-162-199-31 | CERAMIC | 10PF 5% 50V |
| C226 | 1-130-478-00 | MYLAR | 0.0039MF 5% 50V | C602 | 1-162-199-31 | CERAMIC | 10PF 5% 50V |
| C227 | 1-126-233-11 | ELECT | 22MF 20% 25V | C604 | 1-102-127-00 | CERAMIC | 0.0068MF 10% 50V |
| C228 | 1-102-978-00 | CERAMIC | 220PF 5% 50V | C605 | 1-102-127-00 | CERAMIC | 0.0068MF 10% 50V |
| C229 | 1-161-377-00 | CERAMIC | 0.0047MF 30% 16V | C606 | 1-102-127-00 | CERAMIC | 0.0068MF 10% 50V |
| C230 | 1-124-927-11 | ELECT | 4.7MF 20% 50V | C607 | 1-124-477-11 | ELECT | 47MF 20% 16V |
| C231 | 1-161-494-00 | CERAMIC | 0.022MF 25V | C608 | 1-130-472-00 | MYLAR | 0.0012MF 5% 50V |
| C232 | 1-161-494-00 | CERAMIC | 0.022MF 25V | C609 | 1-126-529-11 | ELECT | 0.47MF 20% 50V |
| C233 | 1-162-207-31 | CERAMIC | 22PF 5% 50V | C610 | 1-126-529-11 | ELECT | 0.47MF 20% 50V |
| C234 | 1-126-176-11 | ELECT | 220MF 20% 10V | C611 | 1-124-477-11 | ELECT | 47MF 20% 16V |
| C235 | 1-161-379-00 | CERAMIC | 0.01MF 30% 16V | C612 | 1-124-477-11 | ELECT | 47MF 20% 16V |
| C236 | 1-162-282-31 | CERAMIC | 100PF 10% 50V | C614 | 1-126-529-11 | ELECT | 0.47MF 20% 50V |
| C237 | 1-162-290-31 | CERAMIC | 470PF 10% 50V | C615 | 1-126-529-11 | ELECT | 0.47MF 20% 50V |
| C238 | 1-126-176-11 | ELECT | 220MF 20% 10V | C616 | 1-161-494-00 | CERAMIC | 0.022MF 25V |
| C240 | 1-130-478-00 | MYLAR | 0.0039MF 5% 50V | C701 | 1-130-487-00 | MYLAR | 0.022MF 5% 50V |
| C241 | 1-130-478-00 | MYLAR | 0.0039MF 5% 50V | C702 | 1-126-157-11 | ELECT | 10MF 20% 16V |
| C242 | 1-126-233-11 | ELECT | 22MF 20% 25V | C703 | 1-102-951-00 | CERAMIC | 15PF 5% 50V |
| C243 | 1-102-978-00 | CERAMIC | 220PF 5% 50V | C704 | 1-162-219-31 | CERAMIC | 68PF 5% 50V |
| C244 | 1-161-377-00 | CERAMIC | 0.0047MF 30% 16V | C705 | 1-102-961-00 | CERAMIC | 27PF 5% 50V |
| C245 | 1-130-473-00 | MYLAR | 0.0015MF 5% 50V | C706 | 1-162-219-31 | CERAMIC | 68PF 5% 50V |
| C246 | 1-162-287-31 | CERAMIC | 270PF 10% 50V | C707 | 1-130-495-00 | MYLAR | 0.1MF 5% 50V |
| C247 | 1-126-176-11 | ELECT | 220MF 20% 10V | C708 | 1-130-483-00 | MYLAR | 0.01MF 5% 50V |
| C248 | 1-130-489-00 | MYLAR | 0.033MF 5% 50V | C709 | 1-124-463-00 | ELECT | 0.1MF 20% 50V |
| C249 | 1-126-233-11 | ELECT | 22MF 20% 25V | C710 | 1-124-477-11 | ELECT | 47MF 20% 16V |
| C250 | 1-126-233-11 | ELECT | 22MF 20% 25V | C711 | 1-130-475-00 | MYLAR | 0.0022MF 5% 50V |
| C251 | 1-130-489-00 | MYLAR | 0.033MF 5% 50V | C712 | 1-130-475-00 | MYLAR | 0.0022MF 5% 50V |
| C252 | 1-130-493-00 | MYLAR | 0.068MF 5% 50V | C713 | 1-162-193-31 | CERAMIC | 3.3PF 10% 50V |
| C253 | 1-126-176-11 | ELECT | 220MF 20% 10V | C714 | 1-102-816-00 | CERAMIC | 120PF 5% 50V |
| C254 | 1-124-927-11 | ELECT | 4.7MF 20% 50V | C715 | 1-102-961-00 | CERAMIC | 27PF 5% 50V |
| C255 | 1-130-493-00 | MYLAR | 0.068MF 5% 50V | C716 | 1-126-157-11 | ELECT | 10MF 20% 16V |
| C256 | 1-124-902-00 | ELECT | 0.47MF 20% 50V | C717 | 1-130-483-00 | MYLAR | 0.01MF 5% 50V |
| C257 | 1-130-495-00 | MYLAR | 0.1MF 5% 50V | C718 | 1-102-949-00 | CERAMIC | 12PF 5% 50V |
| C258 | 1-126-233-11 | ELECT | 22MF 20% 25V | C719 | 1-102-961-00 | CERAMIC | 27PF 5% 50V |
| C259 | 1-126-176-11 | ELECT | 220MF 20% 10V | C720 | 1-162-207-31 | CERAMIC | 22PF 5% 50V |
| C260 | 1-126-529-11 | ELECT | 0.47MF 20% 50V | C721 | 1-102-973-00 | CERAMIC | 100PF 5% 50V |
| C261 | 1-124-766-00 | ELECT | 0.1MF 20% 50V | C722 | 1-162-211-31 | CERAMIC | 33PF 5% 50V |
| C262 | 1-124-766-00 | ELECT | 0.1MF 20% 50V | C723 | 1-124-477-11 | ELECT | 47MF 20% 16V |
| C263 | 1-124-927-11 | ELECT | 4.7MF 20% 50V | C724 | 1-124-477-11 | ELECT | 47MF 20% 16V |
| C264 | 1-126-529-11 | ELECT | 0.47MF 20% 50V | C725 | 1-102-951-00 | CERAMIC | 15PF 5% 50V |
| C265 | 1-124-766-00 | ELECT | 0.1MF 20% 50V | C726 | 1-102-973-00 | CERAMIC | 100PF 5% 50V |
| C266 | 1-124-766-00 | ELECT | 0.1MF 20% 50V | C727 | 1-102-971-00 | CERAMIC | 82PF 5% 50V |
| C267 | 1-124-927-11 | ELECT | 4.7MF 20% 50V | C728 | 1-124-477-11 | ELECT | 47MF 20% 16V |
| C268 | 1-124-268-00 | ELECT | 0.22MF 20% 50V | C729 | 1-124-477-11 | ELECT | 47MF 20% 16V |
| C269 | 1-124-902-00 | ELECT | 0.47MF 20% 50V | C730 | 1-102-965-00 | CERAMIC | 39PF 5% 50V |
| C270 | 1-124-478-11 | ELECT | 100MF 20% 25V | C731 | 1-102-978-00 | CERAMIC | 220PF 5% 50V |
| C301 | 1-102-979-00 | CERAMIC | 240PF 5% 50V (LDP-3600D) | C732 | 1-130-475-00 | MYLAR | 0.0022MF 5% 50V |
| C302 | 1-102-979-00 | CERAMIC | 240PF 5% 50V (LDP-3600D) | C733 | 1-102-824-00 | CERAMIC | 470PF 5% 50V |
| C303 | 1-162-205-31 | CERAMIC | 18PF 5% 50V (LDP-3600D) | C734 | 1-124-477-11 | ELECT | 47MF 20% 16V (LDP-3600D) |
| C304 | 1-162-198-31 | CERAMIC | 8.2PF 10% 50V (LDP-3600D) | C735 | 1-124-477-11 | ELECT | 47MF 20% 16V (LDP-3600D) |
| C305 | 1-162-207-31 | CERAMIC | 22PF 5% 50V (LDP-3600D) | C736 | 1-124-477-11 | ELECT | 47MF 20% 16V |
| C306 | 1-162-217-31 | CERAMIC | 56PF 5% 50V (LDP-3600D) | C737 | 1-124-477-11 | ELECT | 47MF 20% 16V |
| C307 | 1-162-207-31 | CERAMIC | 22PF 5% 50V (LDP-3600D) | C738 | 1-124-477-11 | ELECT | 47MF 20% 16V |
| C308 | 1-161-329-00 | CERAMIC | 0.0068MF 20% 16V (LDP-3600D) | C739 | 1-124-477-11 | ELECT | 47MF 20% 16V |

When indicating parts by reference number, please include the board name.

| Ref.No | Part No. | Description | Remark | Ref.No | Part No. | Description | Remark |
|--------|--------------|-------------|-----------------------------|------------------|---------------|---|------------------|
| C740 | 1-124-477-11 | ELECT | 47MF 20% 16V | C906 | 1-102-965-00 | CERAMIC | 39PF 5% 50V |
| C741 | 1-162-199-31 | CERAMIC | 10PF 5% 50V | C907 | 1-102-127-00 | CERAMIC | 0.0068MF 10% 50V |
| C742 | 1-124-791-11 | ELECT | 1MF 20% 50V | C908 | 1-130-475-00 | MYLAR | 0.0022MF 5% 50V |
| C743 | 1-102-971-00 | CERAMIC | 82PF 5% 50V | C909 | 1-130-467-00 | MYLAR | 470PF 5% 50V |
| C744 | 1-102-127-00 | CERAMIC | 0.0068MF 10% 50V | C910 | 1-107-075-00 | MICA | 39PF 5% 50V |
| C745 | 1-102-127-00 | CERAMIC | 0.0068MF 10% 50V | C911 | 1-107-165-00 | MICA | 56PF 5% 50V |
| C746 | 1-124-477-11 | ELECT | 47MF 20% 16V | C912 | 1-130-487-00 | MYLAR | 0.022MF 5% 50V |
| C747 | 1-131-367-00 | TANTALUM | 22MF 10% 16V | C913 | 1-162-207-31 | CERAMIC | 22PF 5% 50V |
| C748 | 1-124-477-11 | ELECT | 47MF 20% 16V | C914 | 1-124-477-11 | ELECT | 47MF 20% 16V |
| C749 | 1-102-074-00 | CERAMIC | 0.001MF 10% 50V | C916 | 1-126-101-11 | ELECT | 100MF 20% 16V |
| C751 | 1-124-477-11 | ELECT | 47MF 20% 16V (LDP-3600D) | C917 | 1-124-927-11 | ELECT | 4.7MF 20% 50V |
| C752 | 1-101-006-00 | CERAMIC | 0.047MF 50V (LDP-3600D) | C918 | 1-124-477-11 | ELECT | 47MF 20% 16V |
| C753 | 1-101-884-00 | CERAMIC | 56PF 5% 50V (LDP-3600D) | C923 | 1-124-477-11 | ELECT | 47MF 20% 16V |
| C754 | 1-102-973-00 | CERAMIC | 100PF 5% 50V (LDP-3600D) | C924 | 1-124-477-11 | ELECT | 47MF 20% 16V |
| C755 | 1-102-123-00 | CERAMIC | 0.0033MF 10% 50V(LDP-3600D) | C925 | 1-124-477-11 | ELECT | 47MF 20% 16V |
| C756 | 1-126-101-11 | ELECT | 100MF 20% 16V (LDP-3600D) | C926 | 1-124-477-11 | ELECT | 47MF 20% 16V |
| C757 | 1-101-006-00 | CERAMIC | 0.047MF 50V (LDP-3600D) | C927 | 1-102-127-00 | CERAMIC | 0.0068MF 10% 50V |
| C758 | 1-102-074-00 | CERAMIC | 0.001MF 10% 50V (LDP-3600D) | C929 | 1-130-471-00 | MYLAR | 0.001MF 5% 50V |
| C759 | 1-124-477-11 | ELECT | 47MF 20% 16V (LDP-3600D) | C930 | 1-124-477-11 | ELECT | 47MF 20% 16V |
| C760 | 1-102-961-00 | CERAMIC | 27PF 5% 50V (LDP-3600D) | C940 | 1-162-217-31 | CERAMIC | 56PF 5% 50V |
| C761 | 1-162-215-31 | CERAMIC | 47PF 5% 50V (LDP-3600D) | C941 | 1-102-129-00 | CERAMIC | 0.01MF 10% 50V |
| C762 | 1-102-973-00 | CERAMIC | 100PF 5% 50V (LDP-3600D) | <u>FILTER</u> | | | |
| C763 | 1-162-211-31 | CERAMIC | 33PF 5% 50V (LDP-3600D) | CF101 | 1-567-657-11 | FILTER, CERAMIC (SFS-MC TYPE) (3.75MHz) | |
| C764 | 1-102-119-00 | CERAMIC | 0.0015MF 10% 50V(LDP-3600D) | CF102 | 1-527-604-00 | FILTER, CERAMIC (3.58MHz) (LDP-3600D) | |
| C765 | 1-102-978-00 | CERAMIC | 220PF 5% 50V (LDP-3600D) | <u>CONNECTOR</u> | | | |
| C768 | 1-101-006-00 | CERAMIC | 0.047MF 50V (LDP-3600D) | CN001 | 1-506-476-11 | PIN, CONNECTOR 11P | |
| C769 | 1-101-006-00 | CERAMIC | 0.047MF 50V (LDP-3600D) | CN003 | 1-506-467-11 | PIN, CONNECTOR 2P | |
| C770 | 1-124-477-11 | ELECT | 47MF 20% 16V (LDP-3600D) | CN004 | 1-506-467-11 | PIN, CONNECTOR 2P | |
| C771 | 1-102-973-00 | CERAMIC | 100PF 5% 50V (LDP-3600D) | CN005 | 1-506-471-11 | PIN, CONNECTOR 6P | |
| C772 | 1-102-961-00 | CERAMIC | 27PF 5% 50V (LDP-3600D) | CN006 | 1-506-467-11 | PIN, CONNECTOR 2P | |
| C773 | 1-102-129-00 | CERAMIC | 0.01MF 10% 50V(LDP-3600D) | CN007 | *1-560-896-00 | PIN, CONNECTOR 8P | |
| C774 | 1-102-820-00 | CERAMIC | 330PF 5% 50V (LDP-3600D) | CN010 | 1-506-470-11 | PIN, CONNECTOR 5P | |
| C775 | 1-123-875-11 | ELECT | 10MF 20% 50V(LDP-3600D) | CN201 | 1-506-467-11 | PIN, CONNECTOR 2P | |
| C776 | 1-124-477-11 | ELECT | 47MF 20% 16V(LDP-3600D) | CN202 | 1-506-469-11 | PIN, CONNECTOR 4P | |
| C779 | 1-124-477-11 | ELECT | 47MF 20% 16V(LDP-3600D) | CN203 | 1-506-470-11 | PIN, CONNECTOR 5P | |
| C780 | 1-162-215-31 | CERAMIC | 47PF 5% 50V (LDP-3600D) | CN204 | 1-506-468-11 | PIN, CONNECTOR 3P | |
| C783 | 1-124-791-11 | ELECT | 1MF 20% 50V(LDP-3600D) | CN206 | 1-506-473-11 | PIN, CONNECTOR 8P (LDP-3600D) | |
| C784 | 1-102-973-00 | CERAMIC | 100PF 5% 50V (LDP-3600D) | <u>TRIMMER</u> | | | |
| C799 | 1-124-768-11 | ELECT | 4.7MF 20% 50V | CT901 | 1-141-304-21 | TRIMMER, CERAMIC | |
| C801 | 1-124-477-11 | ELECT | 47MF 20% 16V | CT902 | 1-141-227-00 | CAP, CERAMIC TRIMMER | |
| C802 | 1-101-006-00 | CERAMIC | 0.047MF 50V | <u>DIODE</u> | | | |
| C803 | 1-162-211-31 | CERAMIC | 33PF 5% 50V | D101 | 8-719-911-19 | DIODE 1SS119 | |
| C804 | 1-101-006-00 | CERAMIC | 0.047MF 50V | D201 | 8-719-911-19 | DIODE 1SS119 | |
| C805 | 1-101-006-00 | CERAMIC | 0.047MF 50V | D202 | 8-719-911-19 | DIODE 1SS119 | |
| C806 | 1-123-875-11 | ELECT | 10MF 20% 50V | D203 | 8-719-911-19 | DIODE 1SS119 | |
| C809 | 1-124-119-00 | ELECT | 330MF 20% 16V | D204 | 8-719-911-19 | DIODE 1SS119 | |
| C810 | 1-126-157-11 | ELECT | 10MF 20% 16V | D601 | 8-719-911-19 | DIODE 1SS119 | |
| C814 | 1-131-367-00 | TANTALUM | 22MF 10% 16V | D602 | 8-719-911-19 | DIODE 1SS119 | |
| C901 | 1-109-542-00 | MICA | 220PF 5% 50V | | | | |
| C902 | 1-102-951-00 | CERAMIC | 15PF 5% 50V | | | | |
| C903 | 1-124-477-11 | ELECT | 47MF 20% 16V | | | | |
| C904 | 1-130-475-00 | MYLAR | 0.0022MF 5% 50V | | | | |
| C905 | 1-109-542-00 | MICA | 220PF 5% 50V | | | | |

When indicating parts by reference number, please include the board name.

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| Ref.No | Part No. | Description | Remark | Ref.No | Part No. | Description | Remark |
|---------------|--------------|----------------------------------|--------|--------|--------------|-------------|-------------------|
| D751 | 8-719-907-19 | DIODE FC52M-5 (LDP-3600D) | | L107 | 1-410-521-11 | INDUCTOR | 100UH |
| D752 | 8-719-911-19 | DIODE 1SS119 (LDP-3600D) | | L108 | 1-410-521-11 | INDUCTOR | 100UH |
| D753 | 8-719-911-19 | DIODE 1SS119 (LDP-3600D) | | L109 | 1-410-521-11 | INDUCTOR | 100UH |
| D801 | 8-719-911-19 | DIODE 1SS119 | | L110 | 1-410-521-11 | INDUCTOR | 100UH |
| D901 | 8-719-911-19 | DIODE 1SS119 | | L111 | 1-410-521-11 | INDUCTOR | 100UH |
| D902 | 8-719-911-19 | DIODE 1SS119 | | L112 | 1-410-521-11 | INDUCTOR | 100UH |
| D904 | 8-719-911-19 | DIODE 1SS119 | | L113 | 1-410-521-11 | INDUCTOR | 100UH |
| D906 | 8-719-907-19 | DIODE FC52M-5 | | L114 | 1-410-515-11 | INDUCTOR | 33UH |
| D907 | 8-719-911-19 | DIODE 1SS119 | | L201 | 1-408-420-00 | INDUCTOR | 82UH |
| D908 | 8-719-911-19 | DIODE 1SS119 | | L202 | 1-408-420-00 | INDUCTOR | 82UH |
| <u>FILTER</u> | | | | L205 | 1-410-677-31 | INDUCTOR | 180UH |
| FL101 | 1-236-263-11 | FILTER, LOW PASS | | L206 | 1-407-500-00 | INDUCTOR | 4.7MMH |
| FL801 | 1-409-431-11 | COIL, TRAP (3.58MHz) (LDP-3600D) | | L207 | 1-407-503-00 | INDUCTOR | 8.2MMH |
| FL802 | 1-409-447-11 | COIL, TRAP (4.43MHz) | | L208 | 1-408-425-00 | INDUCTOR | 220UH |
| <u>IC</u> | | | | L209 | 1-407-500-00 | INDUCTOR | 4.7MMH |
| IC101 | 8-752-320-31 | IC CXL1004P | | L210 | 1-407-503-00 | INDUCTOR | 8.2MMH |
| IC102 | 8-759-950-07 | IC SN75107BN | | L301 | 1-408-425-00 | INDUCTOR | 220UH (LDP-3600D) |
| IC103 | 8-752-030-44 | IC CXA1018S | | L302 | 1-408-417-00 | INDUCTOR | 47UH (LDP-3600D) |
| IC104 | 8-759-202-11 | IC TC74HC00P | | L311 | 1-408-417-00 | INDUCTOR | 47UH (LDP-3600D) |
| IC105 | 8-759-902-21 | IC SN74LS221N | | L312 | 1-408-421-00 | INDUCTOR | 100UH (LDP-3600D) |
| IC201 | 8-752-006-12 | IC CX20061 (LDP-3600D) | | L601 | 1-410-521-11 | INDUCTOR | 100UH |
| IC202 | 8-759-303-75 | IC HA12083NT | | L602 | 1-410-514-11 | INDUCTOR | 27UH |
| IC203 | 8-759-240-53 | IC TC4053BP (LDP-3600D) | | L702 | 1-410-519-11 | INDUCTOR | 68UH |
| IC204 | 8-759-302-81 | IC HA12043 | | L703 | 1-410-511-11 | INDUCTOR | 15UH |
| IC205 | 8-759-240-71 | IC TC4071BP (LDP-3600D) | | L704 | 1-410-517-11 | INDUCTOR | 47UH |
| IC601 | 8-759-943-90 | IC MB89010A-109 | | L705 | 1-410-515-11 | INDUCTOR | 33UH |
| IC602 | 8-759-902-21 | IC SN74LS221N | | L706 | 1-410-520-11 | INDUCTOR | 82UH |
| IC603 | 8-759-202-11 | IC TC74HC00P | | L709 | 1-410-517-11 | INDUCTOR | 47UH |
| IC604 | 8-759-927-56 | IC BA7021 | | L710 | 1-410-517-11 | INDUCTOR | 47UH |
| IC605 | 8-759-202-11 | IC TC74HC00P | | L711 | 1-410-521-11 | INDUCTOR | 100UH |
| IC701 | 8-752-006-12 | IC CX20061 | | L712 | 1-408-421-00 | INDUCTOR | 100UH |
| IC702 | 8-752-321-89 | IC CXL5003P | | L713 | 1-410-521-11 | INDUCTOR | 100UH |
| IC703 | 8-752-006-12 | IC CX20061 | | L714 | 1-408-421-00 | INDUCTOR | 100UH |
| IC704 | 8-752-006-12 | IC CX20061 (LDP-3600D) | | L715 | 1-410-521-11 | INDUCTOR | 100UH |
| IC751 | 8-759-202-24 | IC TC74HC86P (LDP-3600D) | | L716 | 1-410-521-11 | INDUCTOR | 100UH |
| IC752 | 8-759-902-21 | IC SN74LS221N (LDP-3600D) | | L717 | 1-410-521-11 | INDUCTOR | 100UH |
| IC753 | 8-759-945-58 | IC RC4558P (LDP-3600D) | | L718 | 1-410-512-11 | INDUCTOR | 18UH |
| IC801 | 8-759-927-56 | IC BA7021 | | L751 | 1-410-515-11 | INDUCTOR | 33UH (LDP-3600D) |
| IC901 | 8-759-207-28 | IC TC9015P | | L752 | 1-410-513-11 | INDUCTOR | 22UH (LDP-3600D) |
| IC902 | 8-759-938-56 | IC MB88201H-523M | | L753 | 1-410-519-11 | INDUCTOR | 68UH (LDP-3600D) |
| IC903 | 8-759-240-53 | IC TC4053BP | | L754 | 1-410-521-11 | INDUCTOR | 100UH (LDP-3600D) |
| IC904 | 8-759-202-74 | IC TC74HC04N | | L755 | 1-408-421-00 | INDUCTOR | 100UH (LDP-3600D) |
| IC906 | 8-759-245-55 | IC TC4555BP | | L757 | 1-410-521-11 | INDUCTOR | 100UH (LDP-3600D) |
| <u>COIL</u> | | | | L759 | 1-410-512-11 | INDUCTOR | 18UH (LDP-3600D) |
| L101 | 1-410-515-11 | INDUCTOR | 33UH | L801 | 1-408-421-00 | INDUCTOR | 100UH |
| L102 | 1-410-522-11 | INDUCTOR | 120UH | L901 | 1-410-520-11 | INDUCTOR | 82UH |
| L103 | 1-410-521-11 | INDUCTOR | 100UH | L902 | 1-410-520-11 | INDUCTOR | 82UH |
| L104 | 1-410-521-11 | INDUCTOR | 100UH | L903 | 1-408-421-00 | INDUCTOR | 100UH |
| L105 | 1-410-521-11 | INDUCTOR | 100UH | L904 | 1-408-421-00 | INDUCTOR | 100UH |
| L106 | 1-410-521-11 | INDUCTOR | 100UH | L905 | 1-410-521-11 | INDUCTOR | 100UH |
| | | | | L906 | 1-408-421-00 | INDUCTOR | 100UH |
| | | | | L910 | 1-410-521-11 | INDUCTOR | 100UH |

When indicating parts by reference number, please include the board name.

| Ref.No | Part No. | Description | Remark | Ref.No | Part No. | Description | Remark |
|-------------------|--------------|------------------------------------|--------|-----------------|--------------|------------------------------------|--------|
| <u>TRANSISTOR</u> | | | | | | | |
| Q101 | 8-729-139-96 | TRANSISTOR 2SC2785-HFE | | Q752 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE (LDP-3600D) | |
| Q102 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | Q753 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE (LDP-3600D) | |
| Q103 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | Q754 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE (LDP-3600D) | |
| Q104 | 8-729-119-78 | TRANSISTOR 2SA1175-HFE | | Q755 | 8-729-218-43 | TRANSISTOR 2SK184-GR (LDP-3600D) | |
| Q105 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | Q756 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE (LDP-3600D) | |
| Q106 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | Q757 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE (LDP-3600D) | |
| Q107 | 8-729-119-78 | TRANSISTOR 2SA1175-HFE | | Q758 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE (LDP-3600D) | |
| Q108 | 8-729-103-19 | TRANSISTOR 2SA1206-K1 | | Q759 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE (LDP-3600D) | |
| Q109 | 8-729-190-12 | TRANSISTOR 2SC2901-K | | Q760 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE (LDP-3600D) | |
| Q110 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | Q801 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q111 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | | Q802 | 8-729-900-36 | TRANSISTOR DTC124ES (LDP-3600D) | |
| Q112 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | Q803 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE (LDP-3600D) | |
| Q113 | 8-729-900-36 | TRANSISTOR DTC124ES | | Q804 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q114 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | Q805 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q115 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | Q806 | 8-729-658-32 | TRANSISTOR 2SC1583-G | |
| Q116 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | Q807 | 8-729-658-32 | TRANSISTOR 2SC1583-G | |
| Q117 | 8-729-900-63 | TRANSISTOR DTA124ES | | Q808 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q118 | 8-729-900-63 | TRANSISTOR DTA124ES | | Q809 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q119 | 8-729-900-80 | TRANSISTOR DTC114ES | | Q810 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q201 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | Q815 | 8-729-900-36 | TRANSISTOR DTC124ES | |
| Q202 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | Q901 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q203 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | Q902 | 8-729-900-36 | TRANSISTOR DTC124ES | |
| Q204 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | Q903 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q205 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | Q904 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q206 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | Q905 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q207 | 8-729-218-43 | TRANSISTOR 2SK184-GR | | Q906 | 8-729-900-36 | TRANSISTOR DTC124ES | |
| Q208 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | Q907 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q209 | 8-729-218-43 | TRANSISTOR 2SK184-GR | | Q908 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q210 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | Q910 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | |
| Q211 | 8-729-900-63 | TRANSISTOR DTA124ES | | Q913 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q301 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE (LDP-3600D) | | Q914 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | |
| Q601 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | Q915 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q701 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | <u>RESISTOR</u> | | | |
| Q702 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | | R101 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| Q703 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R102 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| Q704 | 8-729-218-43 | TRANSISTOR 2SK184-GR | | R103 | 1-247-903-00 | CARBON 1M 5% 1/4W | |
| Q705 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R104 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| Q706 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R105 | 1-249-413-11 | CARBON 470 5% 1/4W | |
| Q707 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R106 | 1-249-413-11 | CARBON 470 5% 1/4W | |
| Q708 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R107 | 1-249-421-11 | CARBON 2.2K 5% 1/4W | |
| Q709 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R108 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| Q710 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R109 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| Q711 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | | R110 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| Q712 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R111 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| Q713 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R112 | 1-249-420-11 | CARBON 1.8K 5% 1/4W | |
| Q714 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R113 | 1-249-420-11 | CARBON 1.8K 5% 1/4W | |
| Q715 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R114 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| Q716 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R115 | 1-249-419-11 | CARBON 1.5K 5% 1/4W | |
| Q717 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R116 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| Q718 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | | R117 | 1-249-421-11 | CARBON 2.2K 5% 1/4W | |
| Q751 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE (LDP-3600D) | | R118 | 1-249-413-11 | CARBON 470 5% 1/4W | |
| | | | | R119 | 1-249-415-11 | CARBON 680 5% 1/4W | |

When indicating parts by reference number, please include the board name.

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| Ref.No | Part No. | Description | Remark | Ref.No | Part No. | Description | Remark |
|--------|--------------|-------------|--------------|--------|--------------|-------------|--------------|
| R120 | 1-249-423-11 | CARBON | 3.3K 5% 1/4W | R208 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W |
| R121 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R209 | 1-249-405-11 | CARBON | 100 5% 1/4W |
| R122 | 1-249-405-11 | CARBON | 100 5% 1/4W | R210 | 1-249-416-11 | CARBON | 820 5% 1/4W |
| R123 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W | R211 | 1-249-416-11 | CARBON | 820 5% 1/4W |
| R126 | 1-249-441-11 | CARBON | 100K 5% 1/4W | R212 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| R127 | 1-249-437-11 | CARBON | 47K 5% 1/4W | R213 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| R128 | 1-249-436-11 | CARBON | 39K 5% 1/4W | R214 | 1-249-416-11 | CARBON | 820 5% 1/4W |
| R129 | 1-249-441-11 | CARBON | 100K 5% 1/4W | R215 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W |
| R130 | 1-249-440-11 | CARBON | 82K 5% 1/4W | R216 | 1-249-419-11 | CARBON | 1.5K 5% 1/4W |
| R131 | 1-247-895-00 | CARBON | 470K 5% 1/4W | R217 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| R132 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W | R218 | 1-210-821-00 | CARBON | 2.2M 5% 1/4W |
| R133 | 1-249-441-11 | CARBON | 100K 5% 1/4W | R219 | 1-249-413-11 | CARBON | 470 5% 1/4W |
| R134 | 1-247-895-00 | CARBON | 470K 5% 1/4W | R220 | 1-249-441-11 | CARBON | 100K 5% 1/4W |
| R135 | 1-249-434-11 | CARBON | 27K 5% 1/4W | R221 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W |
| R136 | 1-249-434-11 | CARBON | 27K 5% 1/4W | R223 | 1-215-437-00 | METAL | 4.7K 1% 1/6W |
| R137 | 1-249-441-11 | CARBON | 100K 5% 1/4W | R224 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W |
| R138 | 1-249-437-11 | CARBON | 47K 5% 1/4W | R225 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| R139 | 1-247-887-00 | CARBON | 220K 5% 1/4W | R226 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| R140 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R227 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W |
| R141 | 1-247-891-00 | CARBON | 330K 5% 1/4W | R228 | 1-249-422-11 | CARBON | 2.7K 5% 1/4W |
| R142 | 1-249-436-11 | CARBON | 39K 5% 1/4W | R229 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W |
| R143 | 1-249-430-11 | CARBON | 12K 5% 1/4W | R230 | 1-249-419-11 | CARBON | 1.5K 5% 1/4W |
| R144 | 1-249-423-11 | CARBON | 3.3K 5% 1/4W | R231 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| R145 | 1-249-437-11 | CARBON | 47K 5% 1/4W | R232 | 1-249-413-11 | CARBON | 470 5% 1/4W |
| R146 | 1-249-438-11 | CARBON | 56K 5% 1/4W | R233 | 1-210-821-00 | CARBON | 2.2M 5% 1/4W |
| R147 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R234 | 1-249-441-11 | CARBON | 100K 5% 1/4W |
| R148 | 1-249-441-11 | CARBON | 100K 5% 1/4W | R235 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W |
| R149 | 1-249-441-11 | CARBON | 100K 5% 1/4W | R236 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W |
| R150 | 1-249-430-11 | CARBON | 12K 5% 1/4W | R237 | 1-249-424-11 | CARBON | 3.9K 5% 1/4W |
| R151 | 1-247-891-00 | CARBON | 330K 5% 1/4W | R238 | 1-249-424-11 | CARBON | 3.9K 5% 1/4W |
| R152 | 1-247-881-00 | CARBON | 120K 5% 1/4W | R239 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W |
| R153 | 1-249-404-00 | CARBON | 82 5% 1/4W | R240 | 1-249-441-11 | CARBON | 100K 5% 1/4W |
| R154 | 1-247-891-00 | CARBON | 330K 5% 1/4W | R241 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| R155 | 1-215-432-00 | METAL | 3K 1% 1/6W | R242 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W |
| R156 | 1-215-458-00 | METAL | 36K 1% 1/6W | R243 | 1-249-441-11 | CARBON | 100K 5% 1/4W |
| R157 | 1-215-479-00 | METAL | 270K 1% 1/6W | R244 | 1-247-883-00 | CARBON | 150K 5% 1/4W |
| R158 | 1-215-473-00 | METAL | 150K 1% 1/6W | R245 | 1-247-883-00 | CARBON | 150K 5% 1/4W |
| R159 | 1-249-431-11 | CARBON | 15K 5% 1/4W | R246 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| R160 | 1-215-459-00 | METAL | 39K 1% 1/6W | R247 | 1-215-395-00 | METAL | 82 1% 1/6W |
| R161 | 1-215-455-00 | METAL | 27K 1% 1/6W | R248 | 1-249-405-11 | CARBON | 100 5% 1/4W |
| R165 | 1-247-887-00 | CARBON | 220K 5% 1/4W | R251 | 1-249-435-11 | CARBON | 33K 5% 1/4W |
| R166 | 1-249-441-11 | CARBON | 100K 5% 1/4W | R252 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| R167 | 1-249-423-11 | CARBON | 3.3K 5% 1/4W | R253 | 1-249-437-11 | CARBON | 47K 5% 1/4W |
| R168 | 1-247-887-00 | CARBON | 220K 5% 1/4W | R254 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| R169 | 1-249-441-11 | CARBON | 100K 5% 1/4W | R255 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| R170 | 1-249-423-11 | CARBON | 3.3K 5% 1/4W | R256 | 1-249-441-11 | CARBON | 100K 5% 1/4W |
| R201 | 1-249-415-11 | CARBON | 680 5% 1/4W | R257 | 1-249-413-11 | CARBON | 470 5% 1/4W |
| R202 | 1-249-423-11 | CARBON | 3.3K 5% 1/4W | R258 | 1-249-435-11 | CARBON | 33K 5% 1/4W |
| R203 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R259 | 1-249-437-11 | CARBON | 47K 5% 1/4W |
| R204 | 1-249-401-11 | CARBON | 47 5% 1/4W | R260 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| R205 | 1-249-418-11 | CARBON | 1.2K 5% 1/4W | R261 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| R206 | 1-249-414-11 | CARBON | 560 5% 1/4W | R262 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| R207 | 1-249-399-11 | CARBON | 33 5% 1/4W | R263 | 1-249-441-11 | CARBON | 100K 5% 1/4W |

When indicating parts by reference number, please include the board name.

| Ref.No | Part No. | Description | Remark | Ref.No | Part No. | Description | Remark |
|--------|--------------|-------------|--------------------------|--------|--------------|-------------|--------------------------|
| R264 | 1-249-422-11 | CARBON | 2.7K 5% 1/4W | R725 | 1-249-427-11 | CARBON | 6.8K 5% 1/4W |
| R265 | 1-249-411-11 | CARBON | 330 5% 1/4W | R726 | 1-249-419-11 | CARBON | 1.5K 5% 1/4W |
| R266 | 1-247-891-00 | CARBON | 330K 5% 1/4W | R727 | 1-249-413-11 | CARBON | 470 5% 1/4W |
| R267 | 1-249-419-11 | CARBON | 1.5K 5% 1/4W | R728 | 1-249-399-11 | CARBON | 33 5% 1/4W |
| R268 | 1-249-412-11 | CARBON | 390 5% 1/4W | R729 | 1-249-415-11 | CARBON | 680 5% 1/4W |
| R269 | 1-247-899-11 | CARBON | 680K 5% 1/4W | R730 | 1-249-419-11 | CARBON | 1.5K 5% 1/4W |
| R270 | 1-249-433-11 | CARBON | 22K 5% 1/4W | R731 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| R271 | 1-249-431-11 | CARBON | 15K 5% 1/4W | R732 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| R272 | 1-249-435-11 | CARBON | 33K 5% 1/4W | R733 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| R273 | 1-249-431-11 | CARBON | 15K 5% 1/4W | R734 | 1-249-415-11 | CARBON | 680 5% 1/4W |
| R274 | 1-249-413-11 | CARBON | 470 5% 1/4W | R735 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| R275 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R736 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| R276 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W | R737 | 1-249-418-11 | CARBON | 1.2K 5% 1/4W |
| R301 | 1-247-830-11 | CARBON | 910 5% 1/4W (LDP-3600D) | R738 | 1-249-419-11 | CARBON | 1.5K 5% 1/4W |
| R310 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W (LDP-3600D) | R739 | 1-249-416-11 | CARBON | 820 5% 1/4W |
| R311 | 1-249-417-11 | CARBON | 1K 5% 1/4W (LDP-3600D) | R740 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| R312 | 1-249-417-11 | CARBON | 1K 5% 1/4W (LDP-3600D) | R741 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W |
| R603 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W | R742 | 1-249-440-11 | CARBON | 82K 5% 1/4W |
| R604 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W | R743 | 1-249-433-11 | CARBON | 22K 5% 1/4W |
| R605 | 1-215-426-00 | METAL | 1.6K 1% 1/6W | R745 | 1-249-426-11 | CARBON | 5.6K 5% 1/4W |
| R606 | 1-249-422-11 | CARBON | 2.7K 5% 1/4W | R746 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W |
| R607 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W | R747 | 1-249-419-11 | CARBON | 1.5K 5% 1/4W |
| R608 | 1-249-429-11 | CARBON | 10K 5% 1/4W | R748 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| R610 | 1-247-881-00 | CARBON | 120K 5% 1/4W | R749 | 1-249-407-11 | CARBON | 150 5% 1/4W |
| R611 | 1-249-428-11 | CARBON | 8.2K 5% 1/4W | R751 | 1-249-410-11 | CARBON | 270 5% 1/4W (LDP-3600D) |
| R612 | 1-249-429-11 | CARBON | 10K 5% 1/4W | R752 | 1-249-440-11 | CARBON | 82K 5% 1/4W (LDP-3600D) |
| R614 | 1-247-897-11 | CARBON | 560K 5% 1/4W | R753 | 1-249-433-11 | CARBON | 22K 5% 1/4W (LDP-3600D) |
| R615 | 1-247-897-11 | CARBON | 560K 5% 1/4W | R754 | 1-249-415-11 | CARBON | 680 5% 1/4W (LDP-3600D) |
| R616 | 1-247-897-11 | CARBON | 560K 5% 1/4W | R755 | 1-249-415-11 | CARBON | 680 5% 1/4W (LDP-3600D) |
| R617 | 1-247-897-11 | CARBON | 560K 5% 1/4W | R756 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W (LDP-3600D) |
| R701 | 1-249-413-11 | CARBON | 470 5% 1/4W | R757 | 1-249-407-11 | CARBON | 150 5% 1/4W (LDP-3600D) |
| R702 | 1-249-413-11 | CARBON | 470 5% 1/4W | R758 | 1-249-429-11 | CARBON | 10K 5% 1/4W (LDP-3600D) |
| R703 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W | R759 | 1-249-429-11 | CARBON | 10K 5% 1/4W (LDP-3600D) |
| R704 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W | R760 | 1-249-429-11 | CARBON | 10K 5% 1/4W (LDP-3600D) |
| R705 | 1-249-414-11 | CARBON | 560 5% 1/4W | R761 | 1-249-429-11 | CARBON | 10K 5% 1/4W (LDP-3600D) |
| R706 | 1-249-418-11 | CARBON | 1.2K 5% 1/4W | R762 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W (LDP-3600D) |
| R707 | 1-249-437-11 | CARBON | 47K 5% 1/4W | R763 | 1-249-429-11 | CARBON | 10K 5% 1/4W (LDP-3600D) |
| R708 | 1-249-431-11 | CARBON | 15K 5% 1/4W | R764 | 1-249-417-11 | CARBON | 1K 5% 1/4W (LDP-3600D) |
| R709 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R765 | 1-247-903-00 | CARBON | 1M 5% 1/4W (LDP-3600D) |
| R710 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R766 | 1-249-411-11 | CARBON | 330 5% 1/4W (LDP-3600D) |
| R711 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W | R767 | 1-247-895-00 | CARBON | 470K 5% 1/4W (LDP-3600D) |
| R712 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R768 | 1-249-435-11 | CARBON | 33K 5% 1/4W (LDP-3600D) |
| R713 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W | R769 | 1-249-435-11 | CARBON | 33K 5% 1/4W (LDP-3600D) |
| R714 | 1-247-903-00 | CARBON | 1M 5% 1/4W | R770 | 1-249-433-11 | CARBON | 22K 5% 1/4W (LDP-3600D) |
| R716 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R771 | 1-249-433-11 | CARBON | 22K 5% 1/4W (LDP-3600D) |
| R717 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R772 | 1-249-418-11 | CARBON | 1.2K 5% 1/4W (LDP-3600D) |
| R718 | 1-249-414-11 | CARBON | 560 5% 1/4W | R773 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W (LDP-3600D) |
| R719 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R774 | 1-247-891-00 | CARBON | 330K 5% 1/4W (LDP-3600D) |
| R720 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R775 | 1-249-429-11 | CARBON | 10K 5% 1/4W (LDP-3600D) |
| R721 | 1-249-418-11 | CARBON | 1.2K 5% 1/4W | R776 | 1-249-433-11 | CARBON | 22K 5% 1/4W (LDP-3600D) |
| R722 | 1-249-429-11 | CARBON | 10K 5% 1/4W | R777 | 1-249-435-11 | CARBON | 33K 5% 1/4W (LDP-3600D) |
| R723 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R778 | 1-249-428-11 | CARBON | 8.2K 5% 1/4W (LDP-3600D) |
| R724 | 1-249-418-11 | CARBON | 1.2K 5% 1/4W | R779 | 1-249-413-11 | CARBON | 470 5% 1/4W (LDP-3600D) |

When indicating parts by reference number, please include the board name.

AC-46

MD-40

MD-41

MD-39

SW-103

SW-104

SW-105

| Ref.No | Part No. | Description | Remark |
|------------------|----------------|--|----------------|
| | *1-630-492-11 | AC-46 BOARD (Ref.No 1,000 Series) ***** | |
| | △1-533-189-11 | HOLDER, FUSE | |
| | *3-701-946-12 | LABEL (1.6A250V), FUSE (US) | |
| <u>CAPACITOR</u> | | | |
| C021 | △.1-136-212-12 | FILM | 0.1MF 20% 250V |
| <u>FUSE</u> | | | |
| F021 | △ 1-532-259-11 | FUSE, TIME-LAG T1.6A 250V (LDP-3300P/3600D: AEP/UK) | |
| F021 | △.1-532-824-11 | FUSE, GLASS TUBE (1.6A 250V) (LDP-3600D: US) | |
| <u>CONNECTOR</u> | | | |
| CN021 | △1-564-419-11 | HEADER, SPRING (POWER) 2P | |
| CN022 | △1-506-371-00 | PIN, CONNECTOR 2P | |
| CN023 | △1-564-420-11 | HEADER, SPRING (POWER) 3P | |
| <u>RESISTOR</u> | | | |
| R021 | △.1-202-663-31 | SOLID | 5.6M 10% 1/2W |
| <u>FILTER</u> | | | |
| T021 | △.1-421-771-11 | FILTER, LINE | |
| ***** | | | |
| | *1-620-236-11 | MD-40 BOARD (Ref.No 1,000 Series) ***** | |
| <u>CAPACITOR</u> | | | |
| C802 | 1-161-494-00 | CERAMIC | 0.022MF 25V |
| <u>CONNECTOR</u> | | | |
| CN802 | *1-560-890-00 | PIN, CONNECTOR 2P | |
| ***** | | | |
| | *1-620-237-11 | MD-41 BOARD (Ref.No 1,000 Series) ***** | |
| <u>CAPACITOR</u> | | | |
| C803 | 1-161-494-00 | CERAMIC | 0.022MF 25V |
| C804 | 1-126-233-11 | ELECT | 22MF 20% 25V |
| <u>CONNECTOR</u> | | | |
| CN803 | *1-560-892-00 | PIN, CONNECTOR 4P | |
| <u>IC</u> | | | |
| IC801 | 8-759-962-08 | IC BA6208 | |
| <u>RESISTOR</u> | | | |
| R801 | 1-247-731-11 | CARBON | 22 5% 1/2W F |

| Ref.No | Part No. | Description | Remark |
|------------------|---------------|---|-------------|
| | *1-620-235-11 | MD-39 BOARD (Ref.No 1,000 Series) ***** | |
| <u>CAPACITOR</u> | | | |
| C801 | 1-161-494-00 | CERAMIC | 0.022MF 25V |
| <u>CONNECTOR</u> | | | |
| CN801 | *1-560-890-00 | PIN, CONNECTOR 2P | |
| <u>MOTOR</u> | | | |
| M904 | 1-541-505-11 | MOTOR, DC (NBS2B01) (SLIDE) | |
| ***** | | | |
| | *1-630-494-11 | SW-103 BOARD (Ref.No 1,000 Series) ***** | |
| <u>DIODE</u> | | | |
| D201 | 8-719-939-05 | GP1S54 | |
| <u>RESISTOR</u> | | | |
| R201 | 1-249-407-11 | CARBON | 150 5% 1/4W |
| ***** | | | |
| | *1-630-495-11 | SW-104 BOARD (Ref.No 1,000 Series) ***** | |
| <u>DIODE</u> | | | |
| D202 | 8-719-920-74 | DIODE EE-SF5-B | |
| D203 | 8-719-920-74 | DIODE EE-SF5-B | |
| ***** | | | |
| | *1-630-496-11 | SW-105 BOARD (Ref.No 1,000 Series) ***** | |
| <u>DIODE</u> | | | |
| D204 | 8-719-950-63 | DIODE GP1S17 | |
| D205 | 8-719-950-63 | DIODE GP1S17 | |
| D206 | 8-719-950-63 | DIODE GP1S17 | |
| <u>RESISTOR</u> | | | |
| R202 | 1-249-407-11 | CARBON | 150 5% 1/4W |
| R203 | 1-249-434-11 | CARBON | 27K 5% 1/4W |
| R204 | 1-249-407-11 | CARBON | 150 5% 1/4W |
| R205 | 1-249-434-11 | CARBON | 27K 5% 1/4W |
| R206 | 1-249-407-11 | CARBON | 150 5% 1/4W |
| R207 | 1-249-434-11 | CARBON | 27K 5% 1/4W |
| ***** | | | |

When indicating parts by reference number, please include the board name.

Note: The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

DC-15

DC-19

DC-20

SW-112

PW-63

PW-64

PW-68

| Ref.No | Part No. | Description | Remark | Ref.No | Part No. | Description | Remark |
|---------------|--------------|-----------------------------|-------------|--------|----------|---------------|--------|
| *1-630-488-11 | DC-15 | BOARD (Ref.No 4,000 Series) | | | | MISCELLANEOUS | |
| | | ***** | | | | ***** | |
| | | <u>TRANSISTOR</u> | | | | | |
| Q704 | 8-729-804-68 | TRANSISTOR 2SB1133-S | | | | | |
| ***** | | | | | | | |
| *1-630-489-11 | DC-19 | BOARD (Ref.No 4,000 Series) | | | | | |
| | | ***** | | | | | |
| | | <u>TRANSISTOR</u> | | | | | |
| Q705 | 8-729-804-17 | TRANSISTOR 2SD1666-R | | | | | |
| ***** | | | | | | | |
| *1-630-490-11 | DC-20 | BOARD (Ref.No 4,000 Series) | | | | | |
| | | ***** | | | | | |
| | | <u>TRANSISTOR</u> | | | | | |
| Q706 | 8-729-804-68 | TRANSISTOR 2SB1133-S | | | | | |
| ***** | | | | | | | |
| *1-630-497-11 | SW-112 | BOARD (Ref.No 1,000 Series) | | | | | |
| | | ***** | | | | | |
| | | <u>DIODE</u> | | | | | |
| D207 | 8-719-939-05 | DIODE GP1S54 | | | | | |
| D208 | 8-719-939-05 | DIODE GP1S54 | | | | | |
| | | <u>RESISTOR</u> | | | | | |
| R208 | 1-249-407-11 | CARBON | 150 5% 1/4W | | | | |
| R209 | 1-249-429-11 | CARBON | 10K 5% 1/4W | | | | |
| R210 | 1-249-407-11 | CARBON | 150 5% 1/4W | | | | |
| R211 | 1-249-429-11 | CARBON | 10K 5% 1/4W | | | | |
| ***** | | | | | | | |
| *1-630-499-11 | PW-63 | BOARD (Ref.No 8,000 Series) | | | | | |
| | | ***** | | | | | |
| | | <u>CONNECTOR</u> | | | | | |
| CN041 | 1-564-420-11 | HEADER, SPRING (POWER) 3P | | | | | |
| ***** | | | | | | | |
| *1-630-500-11 | PW-64 | BOARD (Ref.No 3,000 Series) | | | | | |
| | | ***** | | | | | |
| | | (LDP-3600D) | | | | | |
| ***** | | | | | | | |
| *1-630-503-11 | PW-68 | BOARD (Ref.No 3,000 Series) | | | | | |
| | | ***** | | | | | |
| | | (LDP-3300P) | | | | | |

| Ref.No | Part No. | Description | Remark |
|--------|--------------|--------------------------------------|--------|
| | | MISCELLANEOUS | |
| | | ***** | |
| | | <u>TRANSISTOR</u> | |
| | 1-560-222-11 | INLET 3P | |
| | 3-728-433-03 | SHUTTER, SWITCH, O/C | |
| | 8-848-069-01 | DEVICE, OPTICS KSC-120A | |
| J901 | 1-507-195-21 | SPECIAL REMOTE CONTROL JACK | |
| M901 | A-6491-037-A | MOTOR ASSY, SPINDLE | |
| M902 | X-3713-206-1 | MOTOR BLOCK ASSY, SKEW | |
| M903 | X-3713-208-1 | MOTOR ASSY, LD (LOADING) | |
| PT041 | 1-449-667-11 | TRANSFORMER, POWER | |
| S051 | 1-554-933-11 | SELECTOR, VOLTAGE (LDP-3600D) | |
| S301 | 1-570-810-11 | SWITCH, PUSH (1 KEY) (CHUCK) | |
| SW061 | 1-570-173-11 | SELECTOR, VOLTAGE CHANGE (LDP-3300P) | |

| ACCESSORIES AND PACKING MATERIALS | | |
|-----------------------------------|---|--------|
| Part No. | Description | Remark |
| | | ***** |
| 1-551-812-00 | CORD, POWER (LDP-3600D: US) | |
| 1-556-760-11 | CORD, POWER (3 CORE) | |
| | (LDP-3300P/3600D: AEP/UK) | |
| 3-701-625-00 | BAG, POLYETHYLENE | |
| *3-728-450-01 | CUSHION (UPPER) | |
| *3-728-451-01 | CUSHION (LOWER) | |
| *3-728-452-01 | INDIVIDUAL CARTON (LDP-3300P) | |
| *3-728-452-11 | INDIVIDUAL CARTON (LDP-3600D) | |
| 3-750-065-13 | MANUAL, INSTRUCTION (LDP-3300P) | |
| | (English, French, German) | |
| 3-750-066-13 | MANUAL, INSTRUCTION (LDP-3600D: AEP/UK) | |
| | (English, French, German) | |
| 3-750-066-21 | MANUAL, INSTRUCTION (LDP-3600D: US) | |
| | (English, French) | |

| HARDWARE LIST | | |
|---------------|-------------|-----------------|
| ***** | | |
| <u>SCREW</u> | | |
| 7-628-254-30 | +PSW, | 2.6X10 |
| 7-621-772-08 | SCREW +B | 2X3 |
| 7-682-548-04 | SCREW +P | 3X8 |
| 7-682-547-04 | SCREW +B | 3X6 |
| 7-682-560-04 | SCREW +B | 4X6 |
| 7-682-647-09 | SCREW +PSW | 3X6 |
| 7-682-661-09 | SCREW +PSW | 4X8 |
| 7-685-645-79 | SCREW +BVTP | 3X6 TYPE2 IT-3 |
| 7-685-646-79 | SCREW +BVTP | 3X8 TYPE2 IT-3 |
| 7-685-648-79 | SCREW +BVTP | 3X12 TYPE2 IT-3 |

When indicating parts by reference number, please include the board name.

Note: The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

