

825

SERVICE MANUAL



FISHER®

Vol. 1

P/S Same as FVH 930

Issue Number 1

- Replacement Parts List
- Exploded Views (Mechanical Assemblies)
- Schematic Diagrams
- P. C. Board Layouts

FVH-922

Video Cassette Recorder

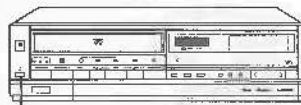


THE FIRST NAME IN HIGH FIDELITY

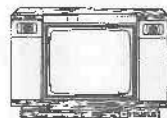
FVH-922

SIMPLIFIED OPERATING INSTRUCTIONS

1 Normal Television Viewing.



1 Set the VCR's POWER switch to OFF.

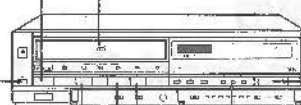


2 Set the TV's POWER switch to ON and select a TV channel.

2 Viewing and Recording the Same Television Program.

1 Set the VCR's POWER switch to ON.
4 Press the TAPE SPEED selector button to select the SP, LP or EP mode.

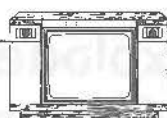
3 Load a cassette.



5 Set the INPUT SELECT switch to TUNER.

6 Press and hold the REC button. Press the PLAY button. Release both buttons.

2 Set the TV's POWER switch to ON. Select channel 3 or 4, to correspond to the VCR's RF CHANNEL SWITCH setting.



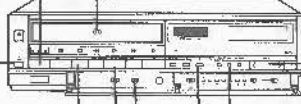
7 Select the TV channel to be recorded by pressing the CHANNEL button.

8 Press the counter RESET button.

3 Recording One Program While Viewing Another.

1 Set the VCR's POWER switch to ON.
4 Press the TAPE SPEED selector button to select the SP, LP or EP mode.

3 Load a cassette.



5 Set the INPUT SELECT switch to TUNER.

6 Press and hold the REC button. Press the PLAY button. Release both buttons.

2 Set the TV's POWER switch to ON. Select channel 3 or 4, to correspond to the VCR's RF CHANNEL SWITCH setting.



7 Select the TV channel to be recorded by pressing the CHANNEL button.

8 Press the counter RESET button.

9 After the recording starts, set the VCR/TV selector switch to TV.

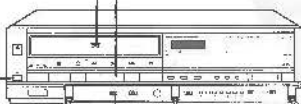
10 Set the TV's channel selector to the desired TV channel.

4 Playback.

1 Set the VCR's POWER switch to ON.

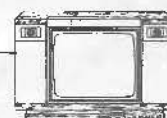
2 Load a cassette.

3 Press the PLAY button.



4 Set the OUTPUT MODE SELECT switch to STEREO (ST).

2 Set the TV's POWER switch to ON. Select channel 3 or 4, to correspond to the VCR's RF CHANNEL SWITCH setting.



Note: The VCR/TV selector switches to VCR automatically, when the PLAY button is pressed.

5 Special Mode Playback and Wireless Remote Control.

You can operate the VCR from a distance of up to 25 feet by using the provided Wireless Infrared Remote Control Unit. Each button on the Remote Control Unit performs the same function as the corresponding button on the VCR (the FRAME button is on the remote control unit only). All special mode playback features operate only during the playback of tapes recorded in the EP mode.

Visual Search

1. Press the PLAY button.
2. Press the REW or FF button.

Still Picture

1. Press the PLAY button.
2. Press the PAUSE/STILL button.

Frame Advance

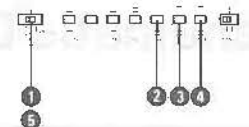
1. Press the PLAY button.
2. Press the PAUSE/STILL button.
3. Press the FRAME button.



6 Setting the Clock Time and DAY (Reference for Timer Recording).

Assume that today is Tuesday.
In the example below, the clock is being set to 2:15 PM Tuesday.
(Before setting the clock time, switch on the POWER.)

- 1 Set the Mode Select switch to CLOCK SET.
- 2 Press and hold the DAY button until the correct day is displayed. Set to TUE.
- 3 Press and hold the HOUR button until the correct hour, AM or PM, is displayed. Set to PM, 2:00.
- 4 Press and hold the MINUTE button until the correct minutes are displayed. Set to 15 minutes.
- 5 After the clock has been set, set the Mode Select switch to NORMAL. This starts the SECONDS portion of the clock from 00 seconds.



7 Time Recording, Setting the VCR for Future Recording.

Assume that today is Tuesday 10:30 AM.
In the example below, Timer program No. 1 is being set to record channel 5 on this Friday from 9:15 PM to 11:00 PM. (14-day/4-program timer)

- 1 Set the VCR's POWER switch to ON.
- 2 Load a cassette.
- 3 Set the INPUT SELECT switch to TUNER.
- 4 Press the TAPE SPEED selector button to select the SP, LP or EP mode.
- 5 Set the program timer. **NOTE:** The clock time must be set before setting the timer.

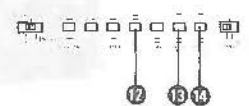
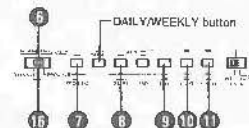
- 6 Set the Mode Select switch to PROG. SET.
- 7 Press the PROG. NO. button (set to No. 1).
- 8 Press the START button (START and the present time appear on the display).
- 9 Press the DAY button (set to FRI, this week). If the 2nd indicator lights, the program will be recorded next week.

The daily program or the weekly program, press the DAILY/WEEKLY button as follows:
• Set to DAILY, the DAILY indication will be displayed for the daily program recording.
• Set to WEEKLY, the WEEKLY indication will be displayed for the weekly program recording.

- 10 Press the HOUR button (set to 9 hours, PM).
- 11 Press the MINUTE button (set to 15 minutes).
- 12 Press the END button. START disappears from the display and END appears.
- 13 Press the HOUR button (set to 11 hours, PM).
- 14 Press the MINUTE button (set to 00 minutes).
- 15 Press the CHANNEL button (set to channel 5).
- 16 After the program has been set, set the Mode Select switch to NORMAL.
- 17 Set the TIMER switch to ON.

NOTES:

- It is not necessary to press the PLAY and RECORD buttons.
- Recording begins automatically at the preset start time.
- The TV does not have to be on for timer recording.
- The VCR will stop automatically when the end of the tape is reached.
- When the TIMER switch is set to ON, the VCR cannot be operated manually.

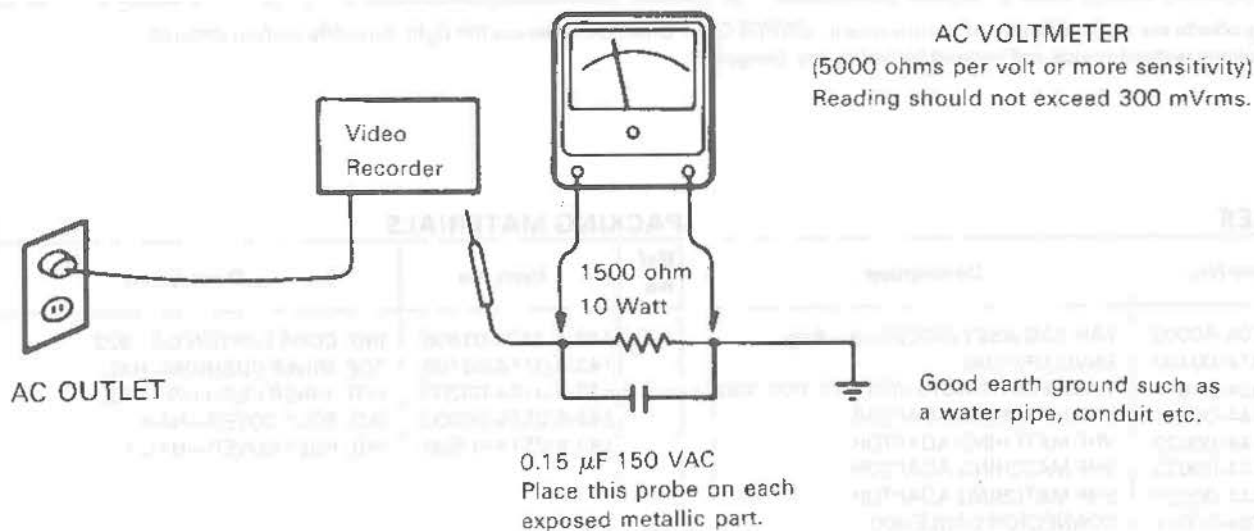


SAFETY PRECAUTIONS

WARNING:

Service should not be attempted by anyone unfamiliar with the necessary precautions for this recorder. The following precautions are necessary during servicing:

1. Many electrical and mechanical parts in this recorder have special safety-related characteristics for providing protection against shock, fire and other hazards. These characteristics often go unnoticed in a visual inspection, and the protection afforded by them cannot necessarily be obtained by using replacement components with higher ratings (voltage, wattage, etc.).
2. Replacement parts having special safety-related characteristics are identified in this manual, and in the schematic diagrams, by the symbol $\triangle$. These components have values that are of special significance to product safety. Should any component (identified by the symbol $\triangle$) need to be replaced, use only the part designated in the Parts List. Do not deviate from the specified resistance, wattage and voltage ratings.
3. Before returning the set to the customer, always perform an AC leakage current check on the exposed metallic parts of the cabinet, such as terminals, screwheads, metal overlays, etc. to be sure that the set is safe to operate without the danger of electrical shock. Plug the AC line cord directly into a 120 VAC outlet (do not use a line isolation transformer during this check). Use an AC voltmeter with a sensitivity of 5000 ohms per volt (or more) as follows: Connect a 1500 ohm, 10 watt resistor, paralleled by a 0.15 mfd, 150 VAC capacitor, between a known good earth ground (water pipe, conduit, etc.) and the exposed metallic parts, one at a time. Measure the AC voltage across the 1500 ohm resistor and 0.15 mfd capacitor combination. Reverse the AC plug at the AC outlet and repeat the AC voltage measurements for each exposed metallic part. The measured voltage must not exceed 300 mVrms. This corresponds to 200 μ A AC. Any value exceeding this limit constitutes a potential shock hazard and must be corrected immediately.



Voltmeter Hook-up for Leakage Current Check

SPECIFICATIONS

General Specifications		Electrical Specifications	
Television system	NTSC, U.S. TV standard	Video output level	1 Vp-p
Recording system	Rotary two-head helical scan system	Video output impedance	75 Ω
Format	VHS standard	Audio output level	316 mV (—10 dBV)
Tape width	1/2 inch.	Audio output impedance	600 Ω
Tape speed	SP: 1.31"/sec. (33.35mm/S) LP: 0.65"/sec. (16.67mm/S) EP: 0.43"/sec. (11.12mm/S)	Video input level	0.5—2.0 Vp-p
Recording time	SP: 120 minutes with T-120 cassette LP: 240 minutes with T-120 cassette EP: 360 minutes with T-120 cassette EP: 480 minutes with T-160 cassette	Video input impedance	75 Ω
Tape loading system	Automatic loading	Audio input level	316 mV (—10 dBV)
Tuner channel selection system	111-channel, Digital Synthesizer Tuning system with UP & DOWN controls	Audio input impedance	50 k Ω
Remote Control Transmitter (RVR-930)	18 Function wireless remote control with direct channel access.	Video S/N ratio	SP: More than 48 dB LP: More than 42 dB EP: More than 40 dB
Tuner channels	VHF: #2—#13 UHF: #14—#83 29 Cable Channels	Audio S/N ratio	SP: More than 43 dB, More than 50 dB (Dolby NR on) LP: More than 41 dB, More than 49 dB (Dolby NR on) EP: More than 40 dB, More than 48 dB (Dolby NR on)
RF converter	Built-in VHF converter	Audio bandwidth	SP: 50 Hz—10 kHz LP: 60 Hz—7 kHz EP: 60 Hz—5.5 kHz
Converter output	Channel 3 or 4 selectable	Other Specifications	
Time indication	AM/PM 12-hour system	Power requirement	120 VAC, 60 Hz
Timer	14 days, 4 programs	Power consumption	33 Watts
Tape counter	Separate 4-digit electronic display	Dimensions (WXHxD)	440mm X 117mm X 365mm (17.32" X 4.61" X 14.37")
Auto rewind system	Activated at the end of the tape when the POWER button is set to ON	Weight (Approximate)	17.3lbs
Terminals			
Antenna input	VHF: F type, UHF: ScrewX2		
Antenna output	VHF: F type, UHF: ScrewX2		
Video input/output	RCA connector		
Audio input/output	RCA connector		
Camera Remote Pause	2.5 mm ϕ jack		

Because its products are subject continuous improvement, FISHER CORPORATION reserves the right to modify product designs and specifications without notice and without incurring any obligation.

ACCESSORIES

Ref No.	Parts No.	Description
	143-6-2704-40000	FAN BAG ASSY (ACC)(Plastic Bag)
	143-6-2714-00700	ENVELOPE-HAC
	4-1924-01010	WIRELESS REMOTE CONTROL RVR-930
or	4-1444-00021	VHF MATCHING ADAPTOR
or	4-1444-00022	VHF MATCHING ADAPTOR
or	4-1444-00023	VHF MATCHING ADAPTOR
	4-1444-00025	VHF MATCHING ADAPTOR
	4-2394-00011	CONNECTOR CABLE 300
	4-2394-00071	75-CABLE/ANTENNA ADAPTOR
or	4-2394-00073	75-CABLE/ANTENNA ADAPTOR
or	4-2394-00074	75-CABLE/ANTENNA ADAPTOR
	4-2394-00080	RCA CABLE (V/A-L/R)
	143-6-2704-43400	FAN BAN ASSY (MANUAL) (Plastic Bag)
	143-6-2714-00100	ENVELOPE
	143-6-4114-27600	INSTRUCTION MANUAL
	143-6-4124-15100	INSTRUCTION CARD
	143-6-4514-01400	WARRANTY CARD FS-B
	143-6-4324-00100	SERVICE STATION LIST
	143-6-4584-00300	INFORMATION CARD FS-B
	143-6-4154-00300	SAFETY TIPS-FS
	143-6-4334-00100	FISHER AUDIO CATALOG

PACKING MATERIALS

Ref No.	Parts No.	Description
	143-6-1424-01806	IND. CORR CARTON US—922
	143-6-3114-03100	TOP. INNER CUSHION—HAL
	143-6-3114-03200	BOT. INNER CUSHION—HAL
	143-6-2514-00300	IND. POLY COVER—HAA
	143-6-2514-00500	IND. POLY COVER—HAC-K

NOTE: Parts order must contain Model Number, Part Number and Description

WIRELESS REMOTE CONTROL UNIT RVR-930

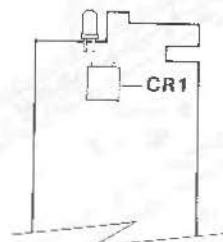
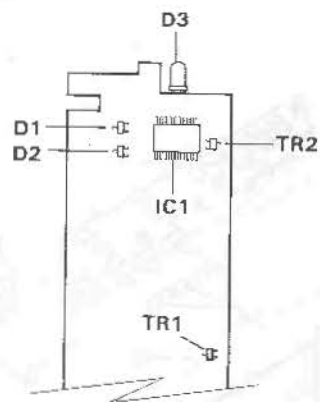
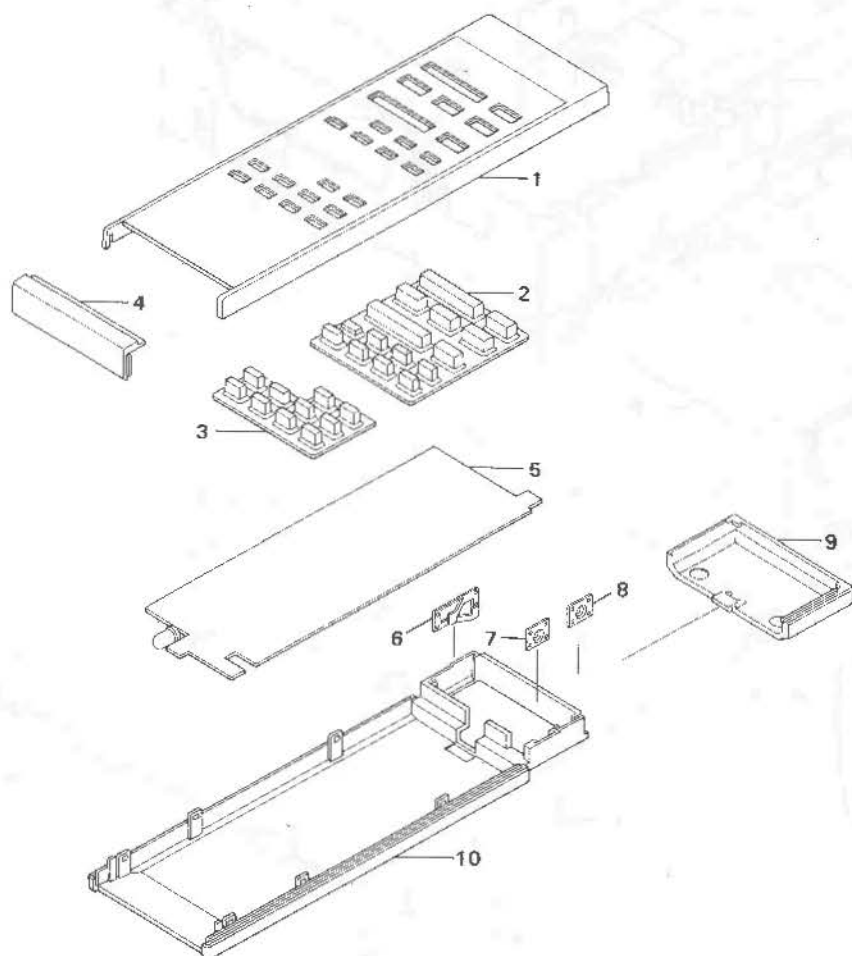
Ref No.	Parts No.	Description
	4-1924-01010	Wireless Remote Control RVR-930
1	143-0-9964-07901	Case, Upper-RC
2	143-0-9964-07902	Button-RC (14 Button)
3	143-0-9964-07903	Button-RC (10 Button)
4	143-0-9964-07904	Filter-RC
5	143-0-9964-07905	PC Assy-RC
6	143-0-9964-07906	Battery, Holder A-RC
7	143-0-9964-07907	Battery, Holder B-RC
8	143-0-9964-07908	Battery, Holder C-RC
9	143-0-9964-07909	Battery, Lid-RC
10	143-0-9964-07910	Case, Lower-RC

ELECTRICAL PARTS

Ref No.	Parts No.	Description
		(CAPACITORS)
C1	COJLEM107A	ELECT 100 μ F 6.3V
C2	C1HYDK101B	CERAM 100pF 50V
C3	C1HYDK101B	CERAM 100pF 50V
		(DIODES)
D1	143-0-9964-07108	DCB015-RC
or	143-0-9964-07108	DAN202K-RC
or	143-0-9964-07108	1SS184-RC

Ref No.	Parts No.	Description
D2	143-0-9964-07108	DCB015-RC
or	143-0-9964-07108	DAN202K-RC
or	143-0-9964-07108	1SS184-RC
D3	143-0-9964-07109	LED LD271E-RC
or	143-0-9964-07109	LED SLR932A-RC
CR1	143-0-9964-00320	RESONATOR 455kHz-RC
		(IC)
C1	143-0-9964-00317	μ PD1943G-RC
		(TRANSISTORS)
TR1	143-0-9964-07110	TR 2SC2812-RC
or	143-0-9964-07110	TR 2SC2412K-RC
or	143-0-9964-07110	TR 2SC2712-RC
TR2	143-0-9964-07111	TR 2SD1048-RC
or	143-0-9964-07111	TR 2SC3426-RC
or	143-0-9964-07111	TR 2SD1781K-RC

NOTE: Parts order must contain Model Number, Part Number and Description.

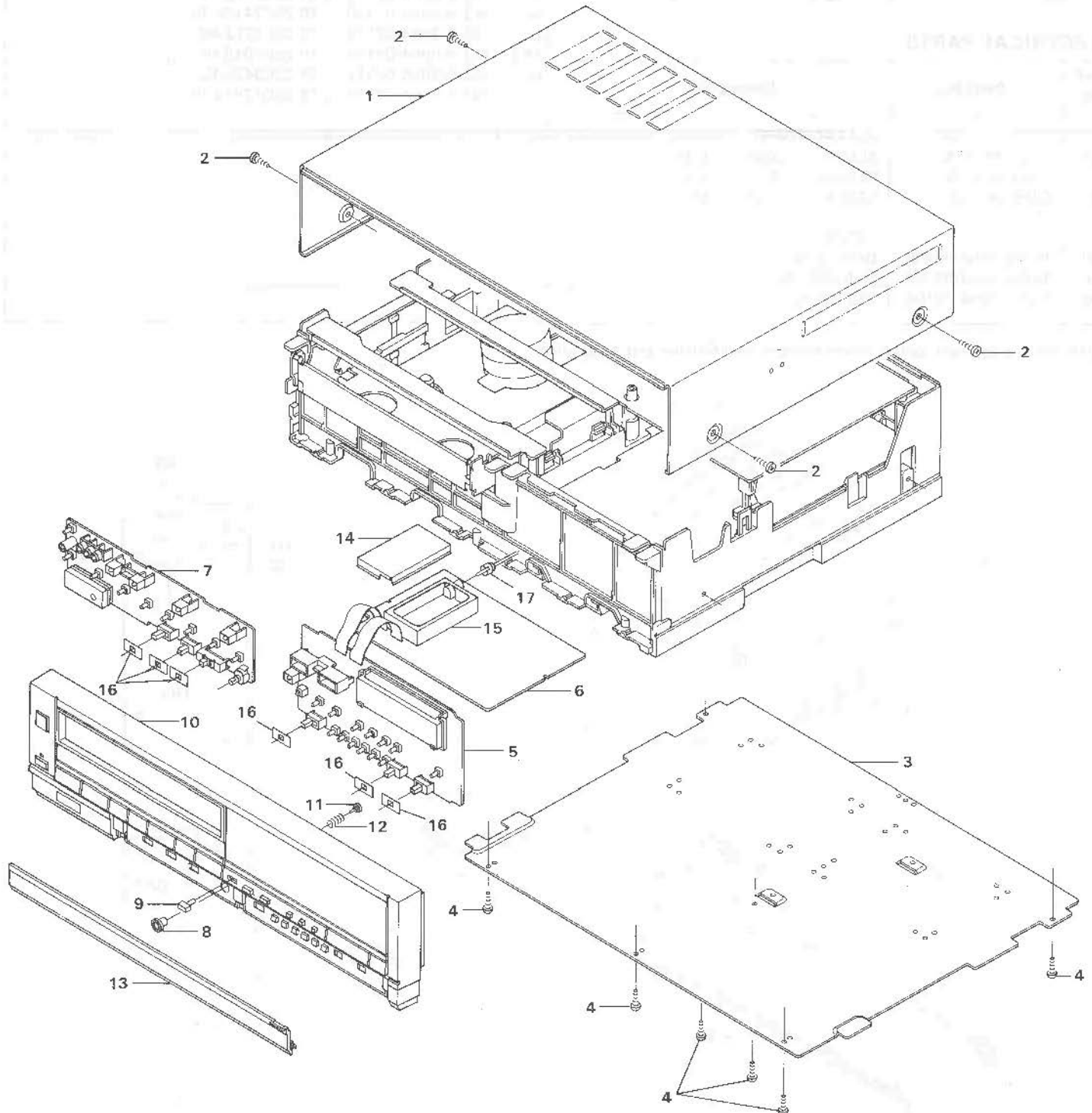


CABINET PARTS (1)

Ref No.	Parts No.	Description
1	143-0-1254-00220	Top Cover Assy-HAC-U
2	116-3-1704-01218	Screw, Bind Hd Tapping B-Tite 4X12
3	143-0-1354-00600	Bottom Cover Assy-HAK
4	116-3-1903-01218	Screw, Brazier Hd Tapping B-Tite 3X12
5	0-4014-03962	Timer PC Assy
6	0-4014-04101	Frequency Synthesizer PC Assy
7	0-4014-03951	Key Function PC Assy
8	143-2-1704-22100	Knob, Tracking-HAL

Ref No.	Parts No.	Description
9	143-2-1704-21800	Button, Dolby-HAL
10	143-0-1104-01307	Cabinet Front Assy-HAL-H
11	143-2-1704-08400	Flange, Button-HAC
12	143-2-6704-02100	Spring, Button-HAB
13	143-2-1454-01800	Door, Front-HAL
14	143-2-3504-14500	Shield, Top F/Syn-HAT-B
15	143-2-3504-14400	Shield, Case F/Syn-HAT-B
16	143-2-3704-00800	Blind, Sheet-HAP
17	0-4034-00130	Wire Shield Assy

NOTE: Parts order must contain Model Number, Part Number and Description.



FVH-922

SCHEMATIC DIAGRAM & PRINTED CIRCUIT BOARD LAYOUTS

PRODUCT SAFETY SHOULD BE CONSIDERED WHEN A COMPONENT REPLACEMENT IS MADE IN ANY AREA OF A UNIT. COMPONENTS INDICATED BY THE SYMBOL  IN THIS SCHEMATIC DIAGRAM SHOW COMPONENTS WHOSE VALUE HAVE SPECIAL SIGNIFICANCE TO PRODUCT SAFETY. REPAIRMEN ARE RECOMMENDED THAT ONLY PARTS SPECIFIED ON THE ATTACHED PARTS LIST BE USED FOR COMPONENT REPLACEMENT ASSOCIATED WITH THE SYMBOL.

NOTES

1. All resistance values in ohms, unless otherwise noted.
2. All resistance values in "K" unless otherwise noted.
3. Values shown in schematic diagram are for the unit as shown. Values in parentheses are for the unit as shown in the schematic diagram.
4. Voltage reading may vary $\pm 5\%$.
5. The $\pm$ tolerance shown in the schematic diagram may vary without notice of the diagram.

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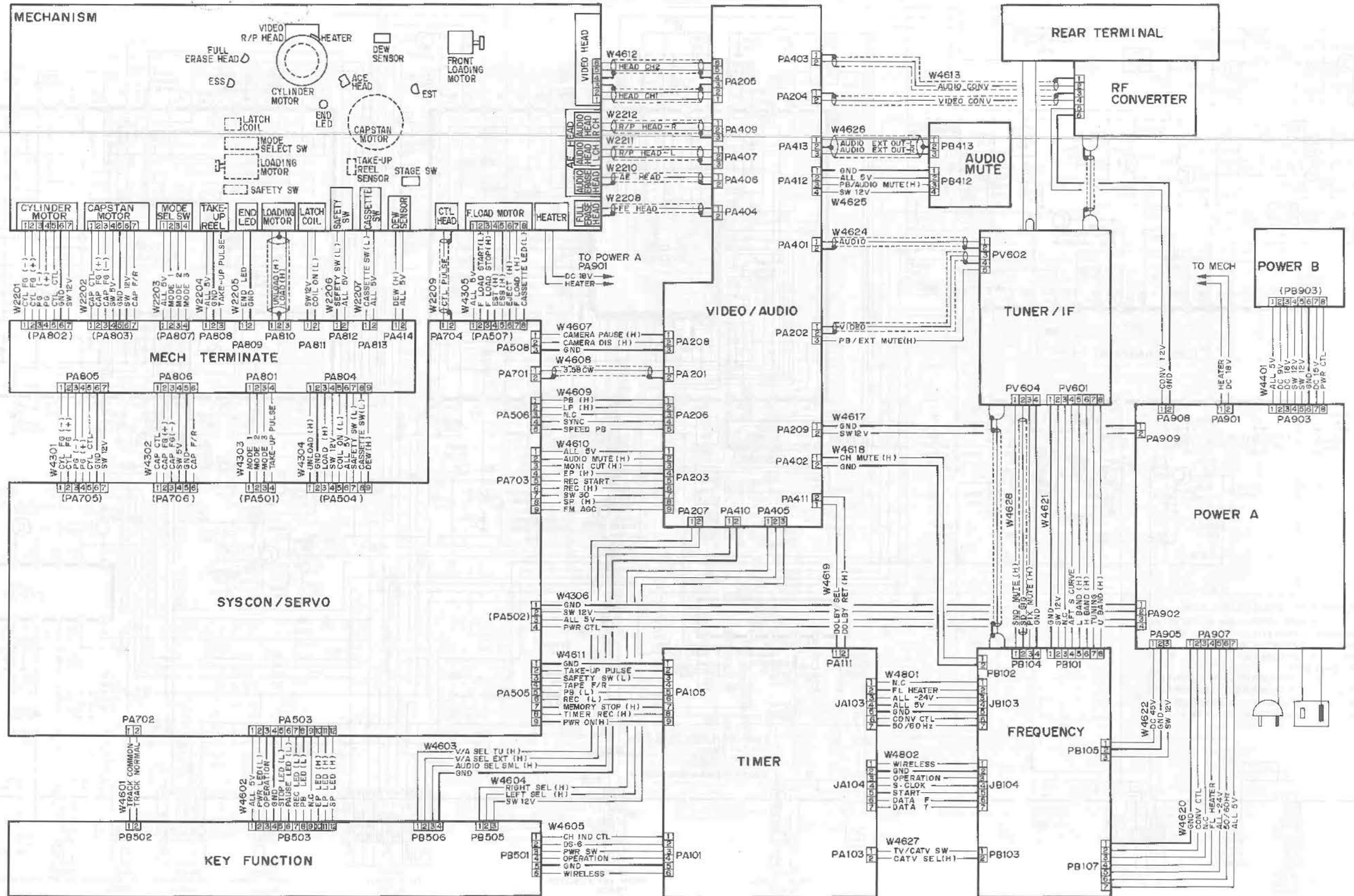
PRODUCT SAFETY NOTICE

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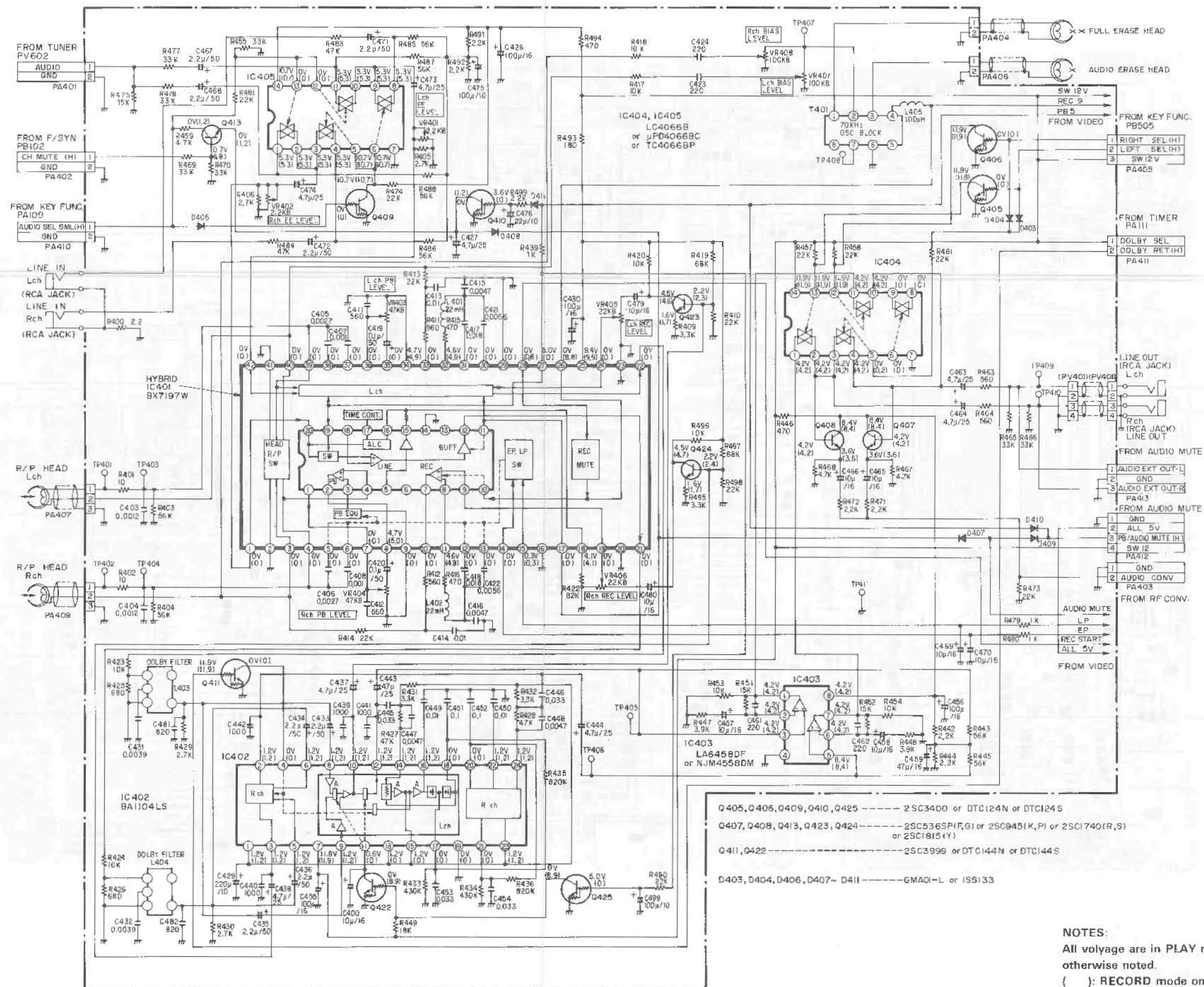
NOTES:

1. All resistance values in "OHMS" unless otherwise noted.
(K=1,000 M=1,000,000)
2. All inductance values in "mH" unless otherwise noted.
 μ =micro henry.
3. Unless otherwise noted in schematic diagram, all capacitors less than 1 are expressed in mfd, and the values larger than 1 are in pF.
4. Voltage reading may vary $\pm 20\%$
5. This is a fundamental circuit diagram. Some production changes may be made without revision of the diagram.

OVERALL WIRING DIAGRAM



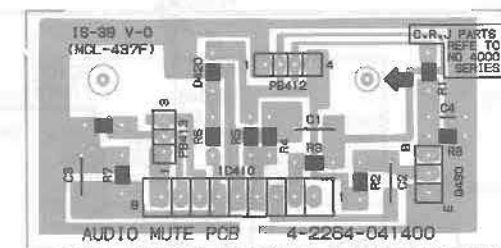
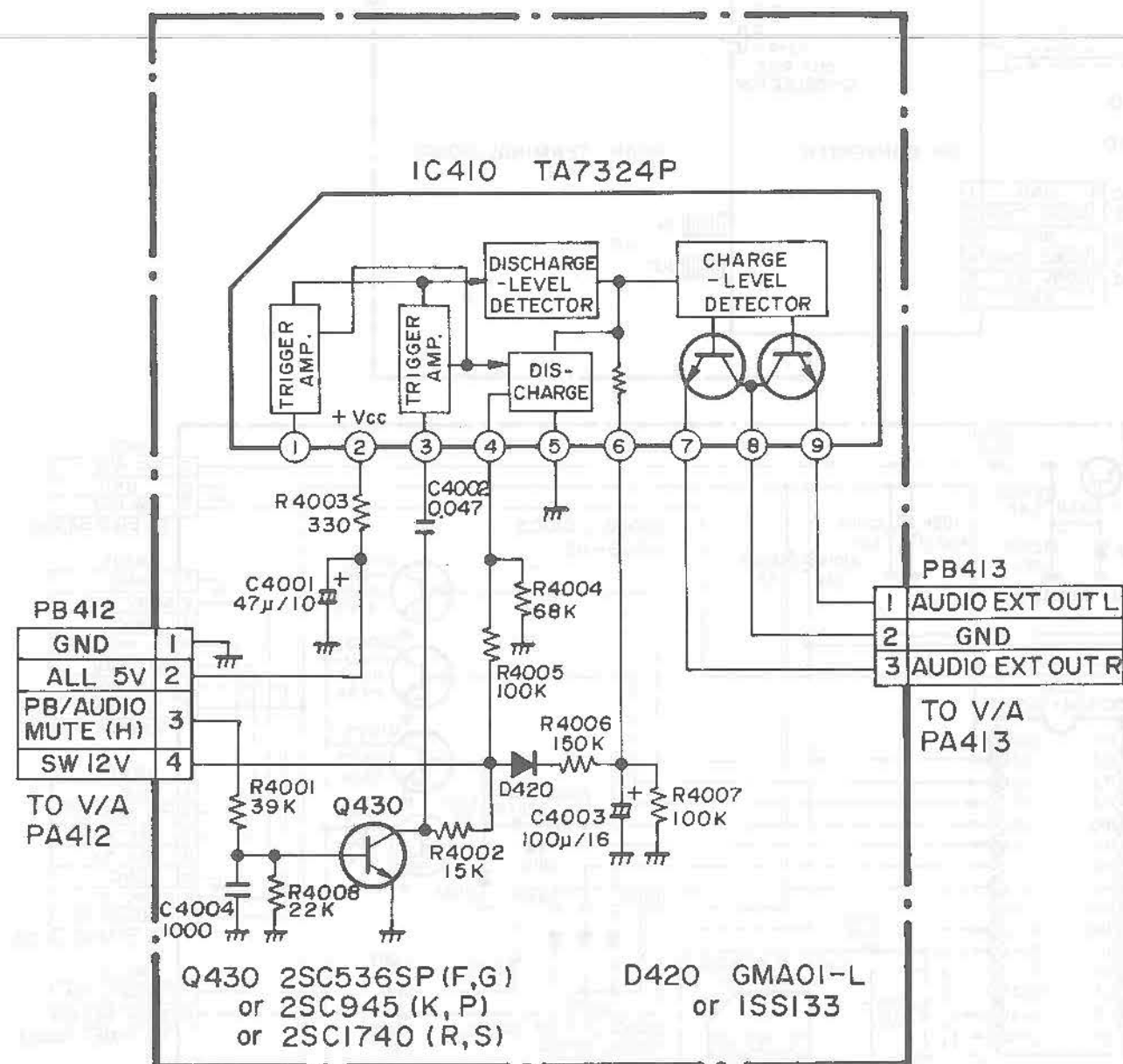
AUDIO CIRCUIT DIAGRAM



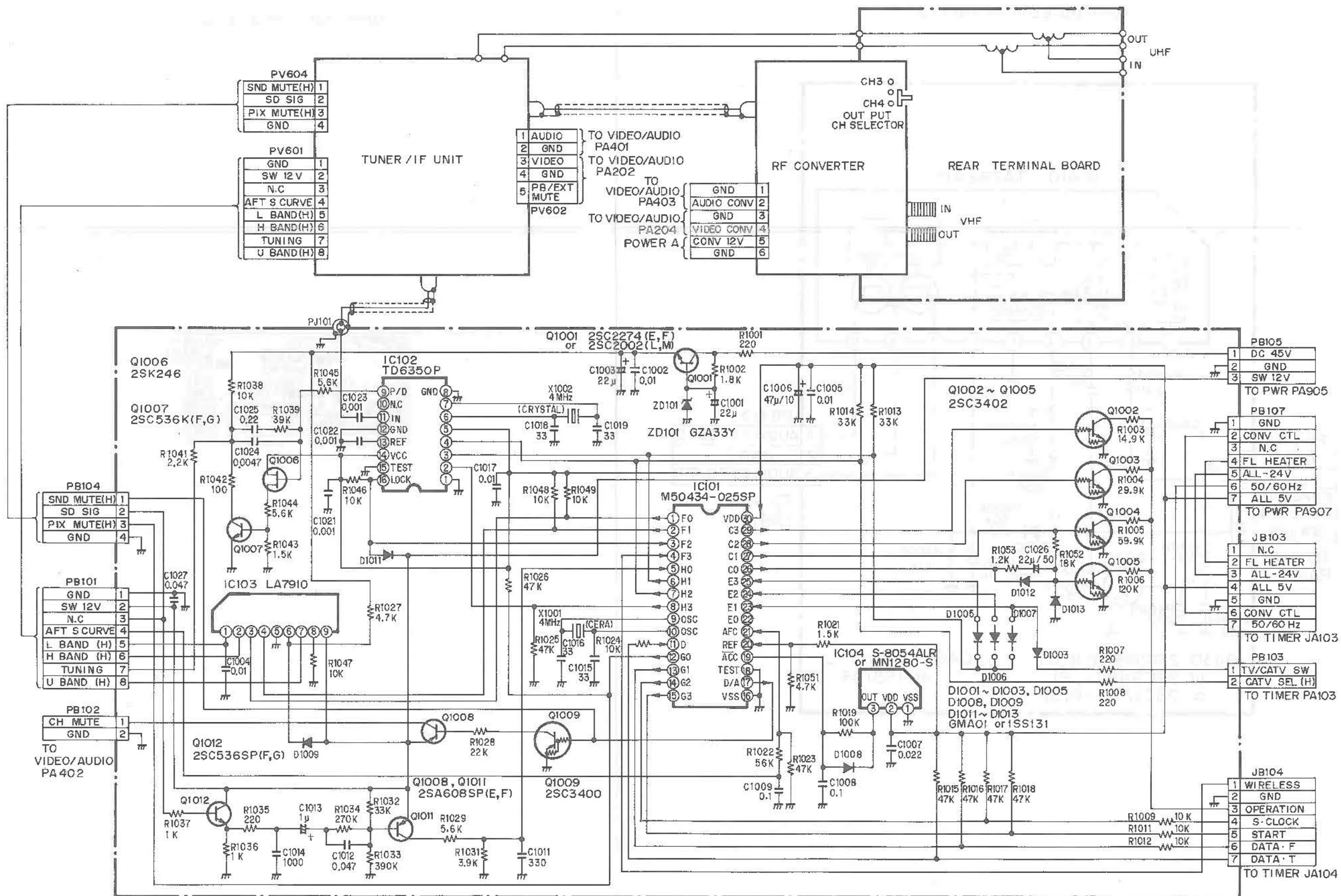
AUDIO MUTE CIRCUIT DIAGRAM AND AUDIO MUTE CIRCUIT P.C.B.

AUDIO MUTE CIRCUIT DIAGRAM

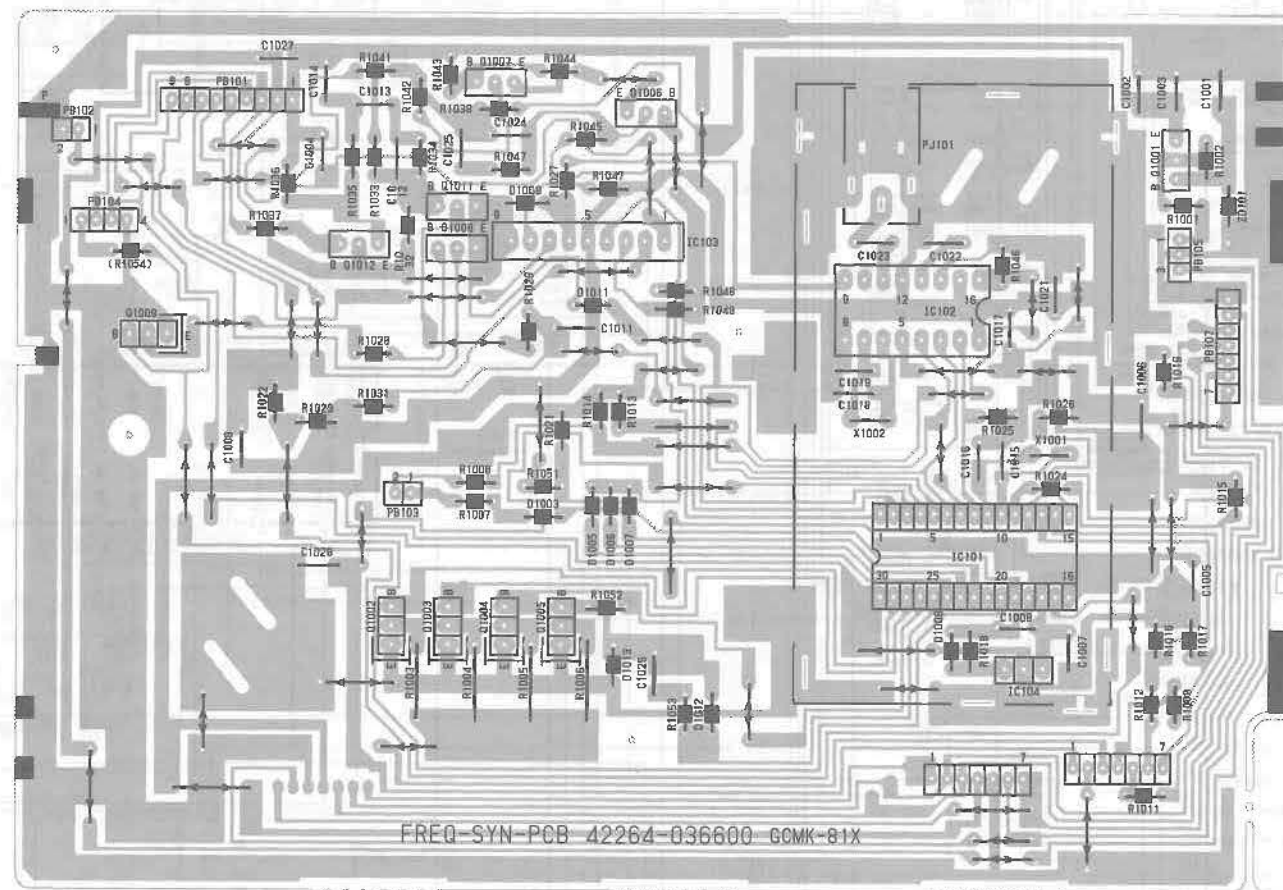
AUDIO MUTE CIRCUIT P.C.B.



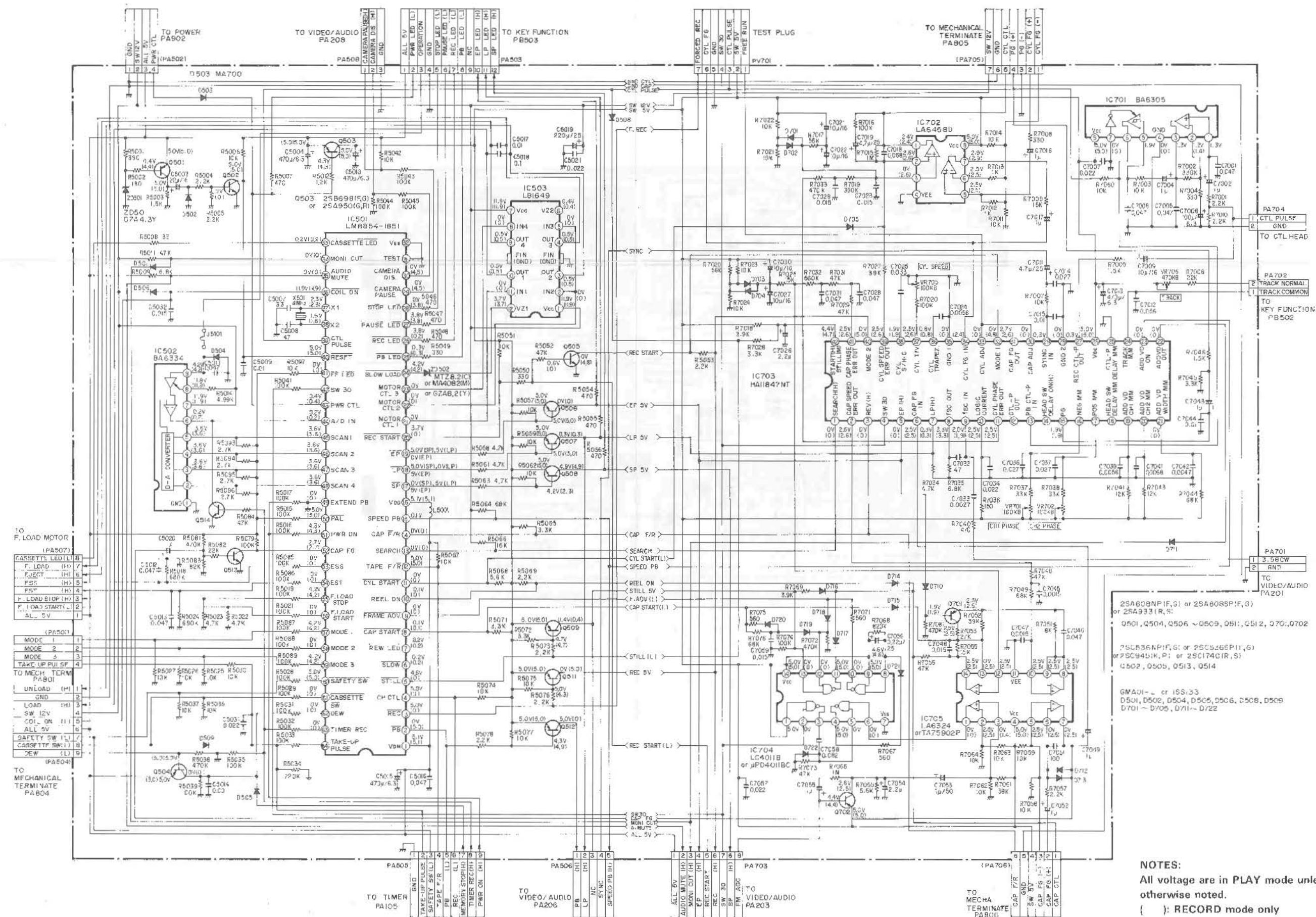
TUNER, FREQUENCY SYNTHESIZER CIRCUIT AND RF CONVERTER CIRCUIT DIAGRAM



FREQUENCY SYNTHESIZER CIRCUIT P.C.B.

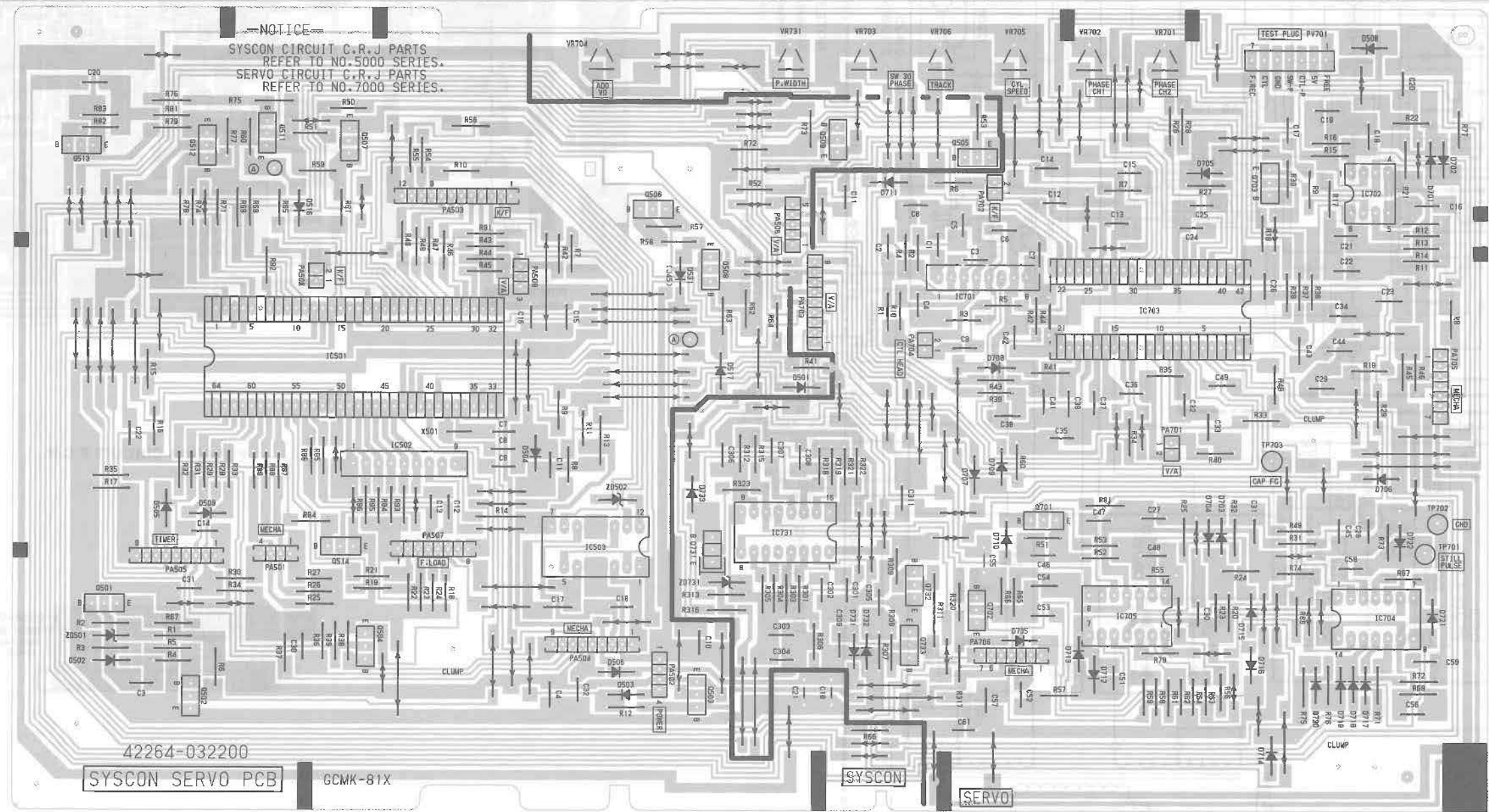


SYSTEM CONTROL SERVO CIRCUIT DIAGRAM

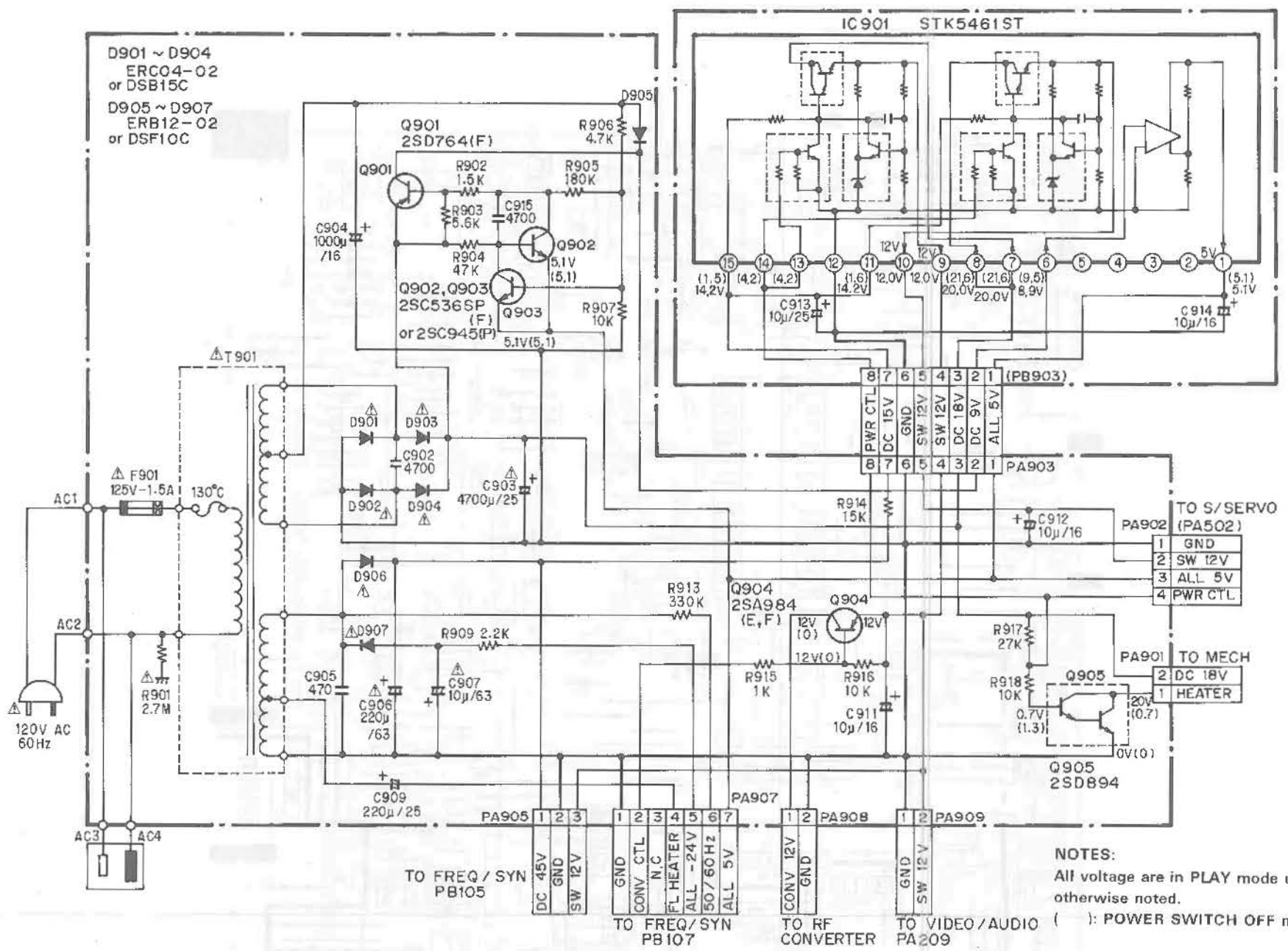


NOTES:
All voltage are in **PLAY** mode unless
otherwise noted.
(): **RECORD** mode only

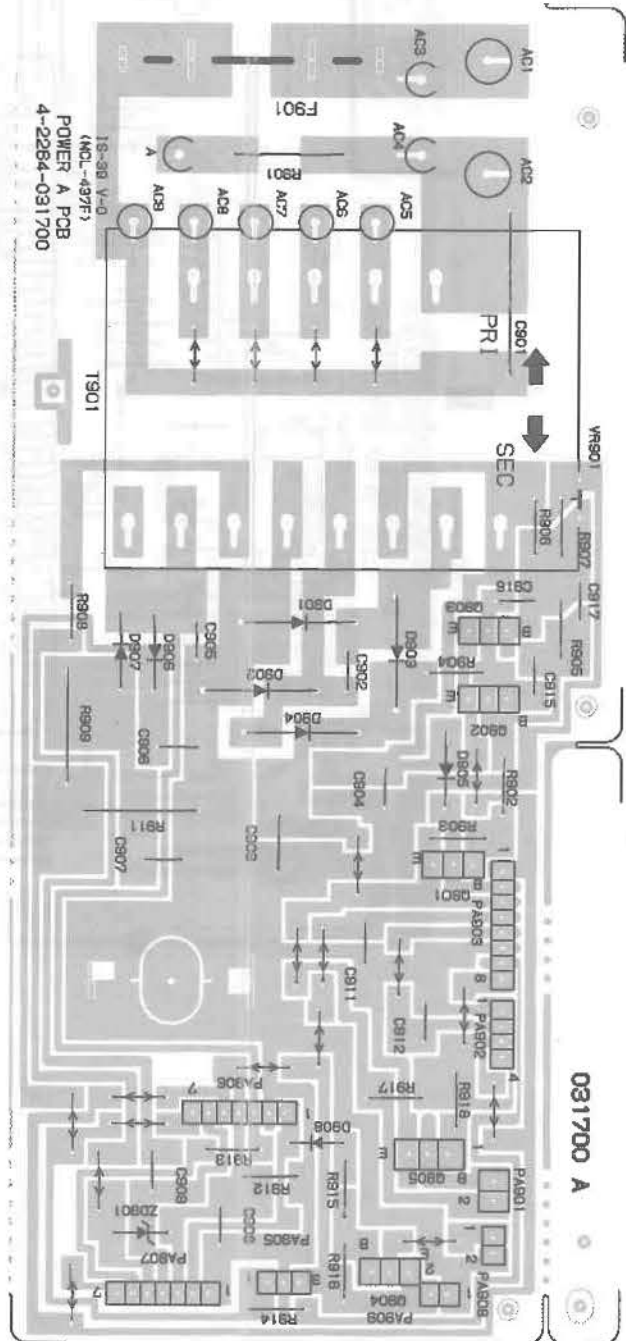
SYSTEM CONTROL SERVO CIRCUIT P.C.B.



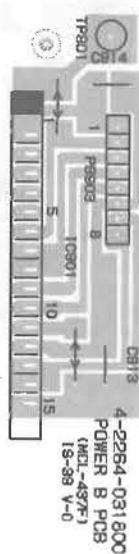
POWER CIRCUIT DIAGRAM



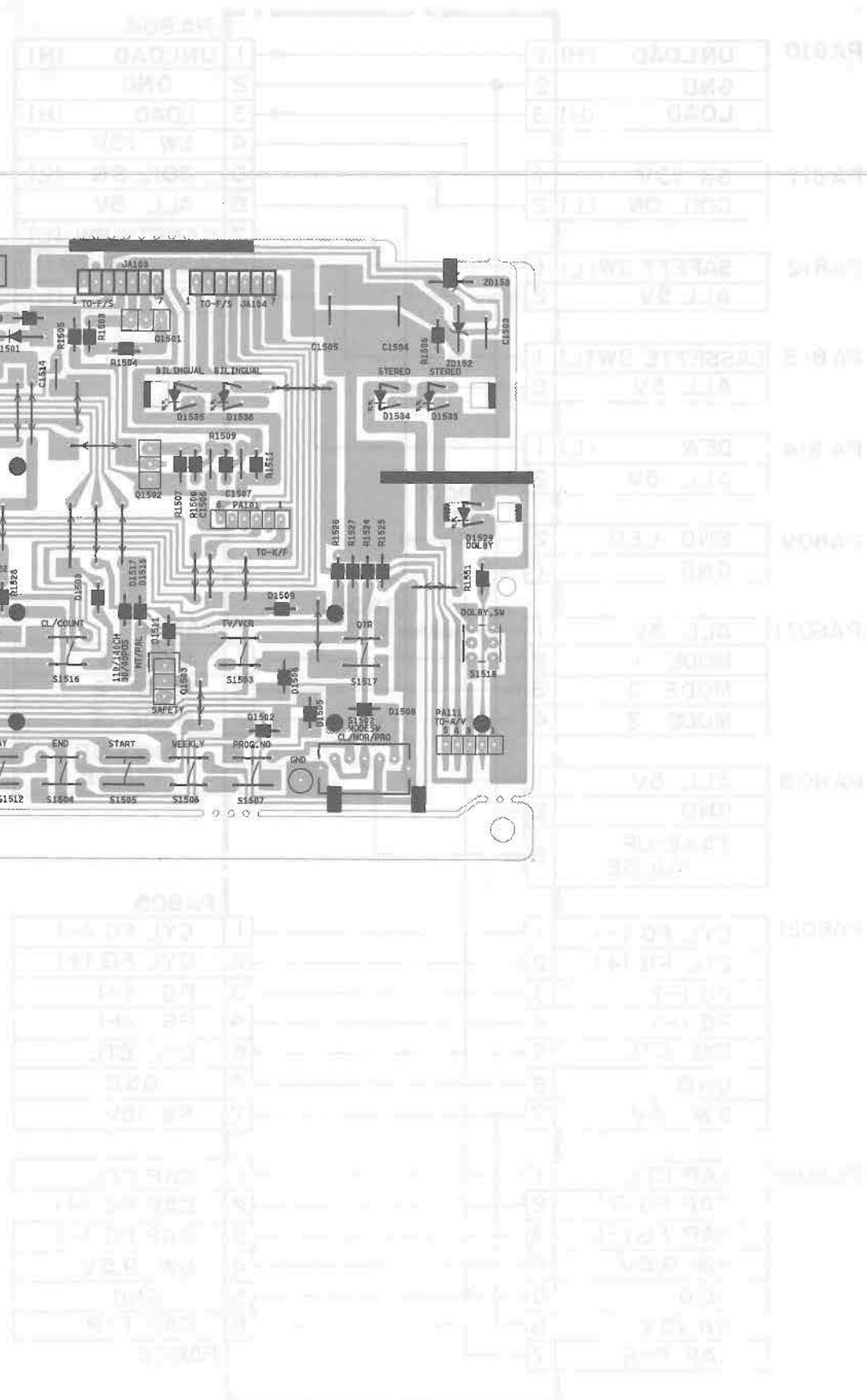
POWER A AND B CIRCUIT P.C.B.



POWER B CIRCUIT P.C.B.

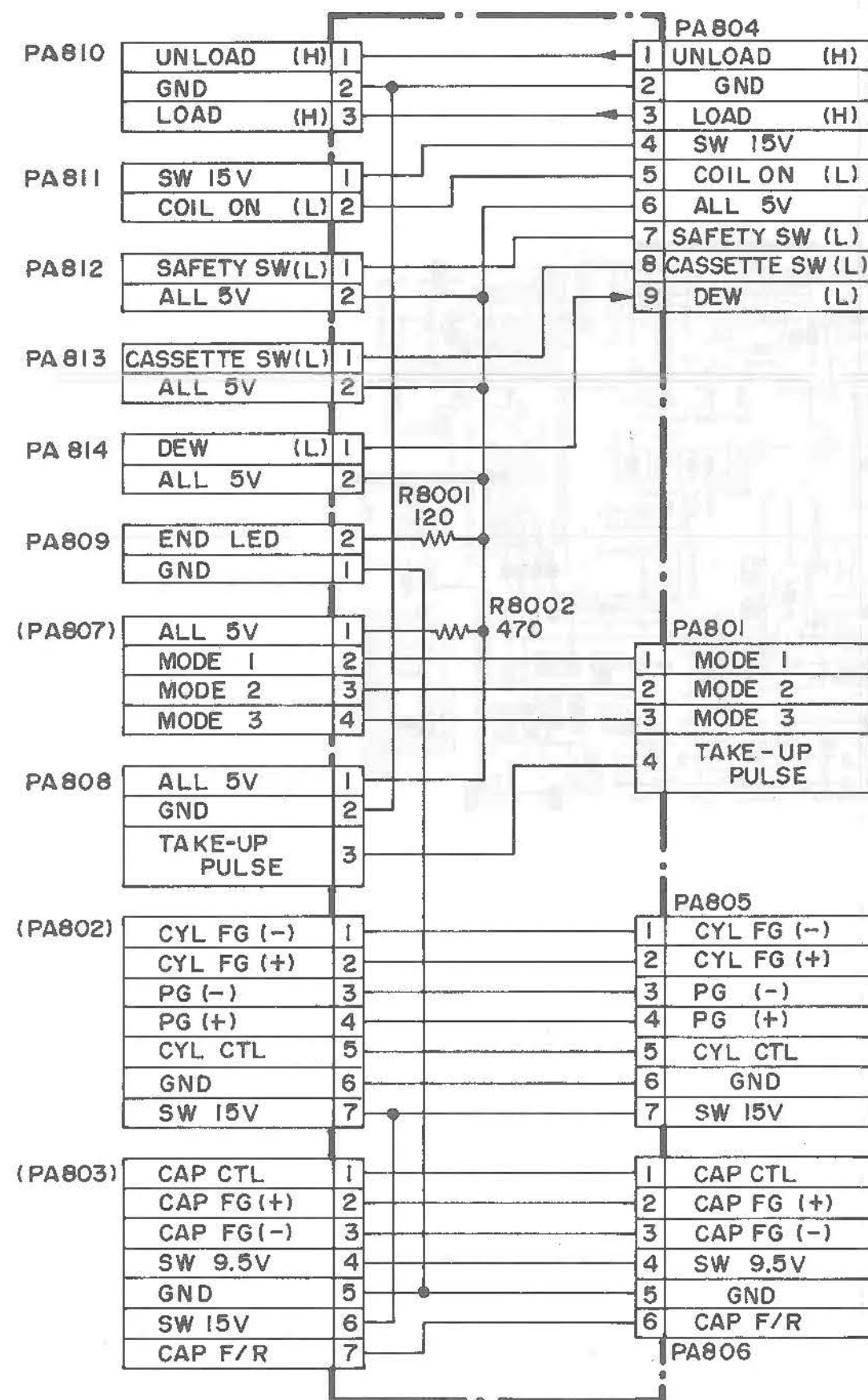


TIMER CIRCUIT P.C.B.

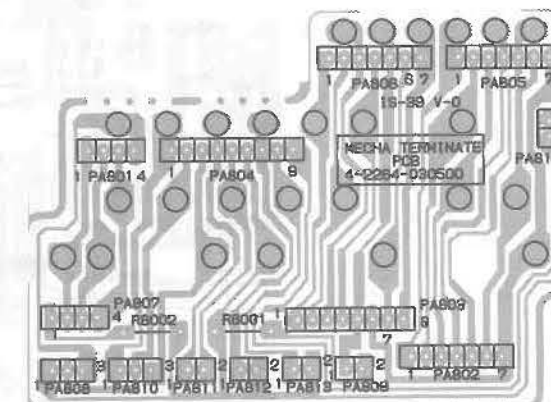


TERMINATE CIRCUIT DIAGRAM AND TERMINATE CIRCUIT P.C.B.

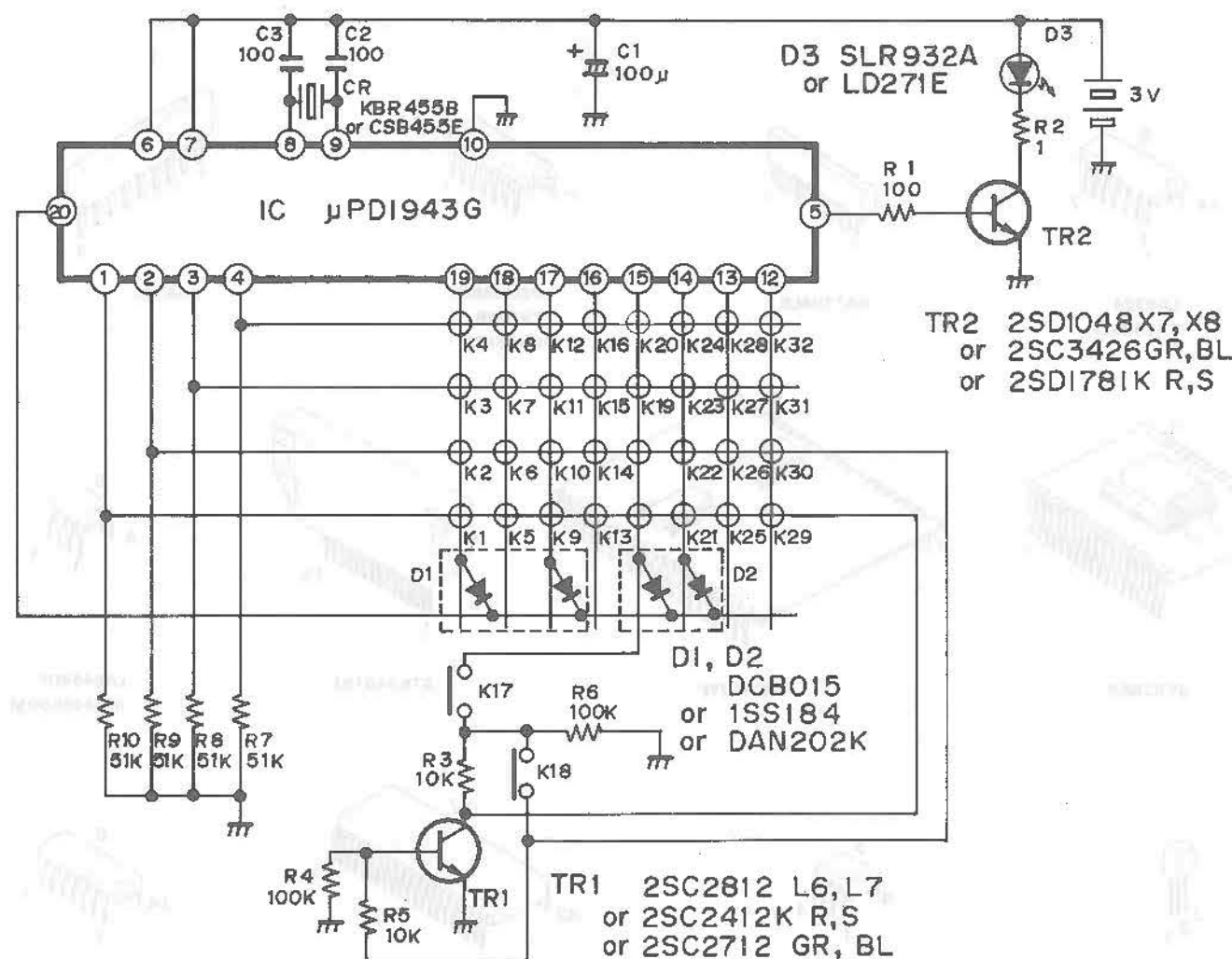
TERMINATE CIRCUIT DIAGRAM



TERMINATE CIRCUIT P.C.B.



REMOTE CONTROL CIRCUIT DIAGRAM



K1	0
K2	1
K3	2
K4	3
K5	4
K6	5
K7	6
K8	7
K9	8
K10	9
K11	
K12	
K13	TV/VCR
K14	
K15	CH-DOWN
K16	CH-UP
K17	PLAY
K18	REC
K19	RESET
K20	FRAME
K21	
K22	
K23	CLOCK/COUNTER
K24	
K25	FF
K26	REW
K27	STOP
K28	PAUSE
K29	MEMORY
K30	POWER
K31	
K32	

TERMINAL DIAGRAM



2SD894



2SA608 2SC945
2SA933 2SC1740
2SA950 2SC1815
2SA984 2SC2274
2SA1245 2SC2999
2SB764 2SC3400
2SC536 DTC124N
DTC144N



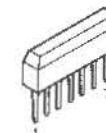
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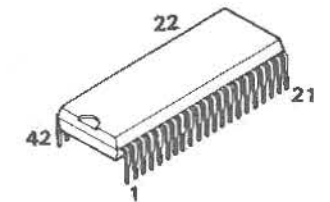
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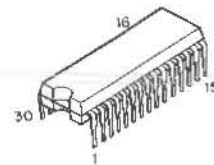
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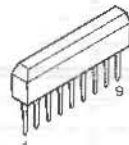
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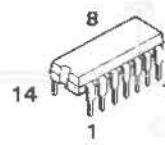
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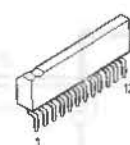
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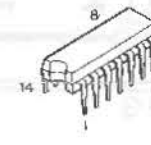
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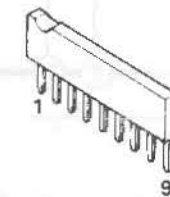
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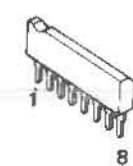
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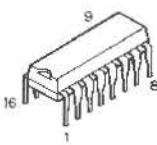
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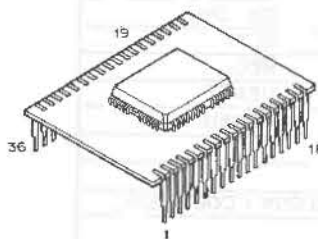
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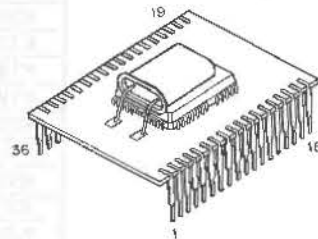
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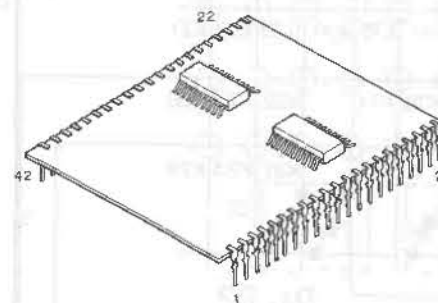
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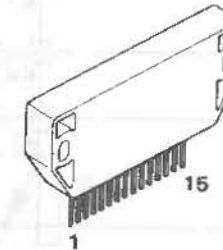
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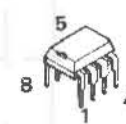
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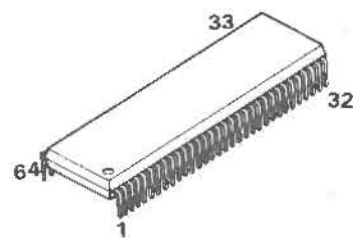
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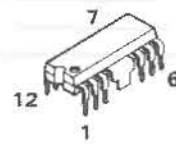
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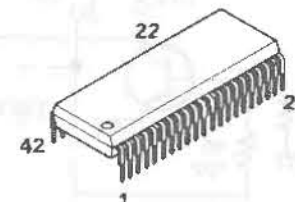
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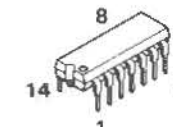
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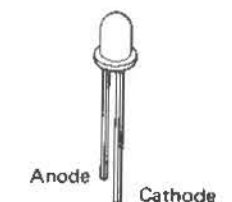
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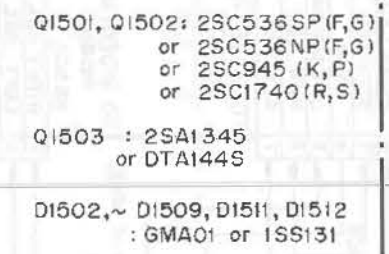
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DSB15(C)
DSF10(C)
ERB12-02
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GZA4.3(Y)
GZA8.2(Y)
GZA33(Y)
GZM24(B2)
GMA01

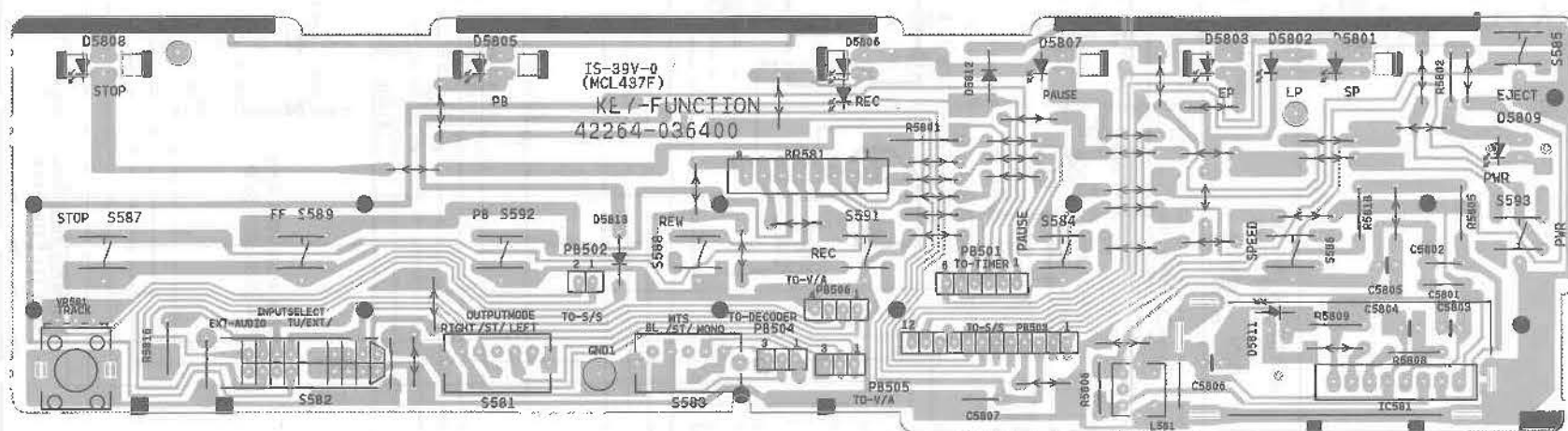
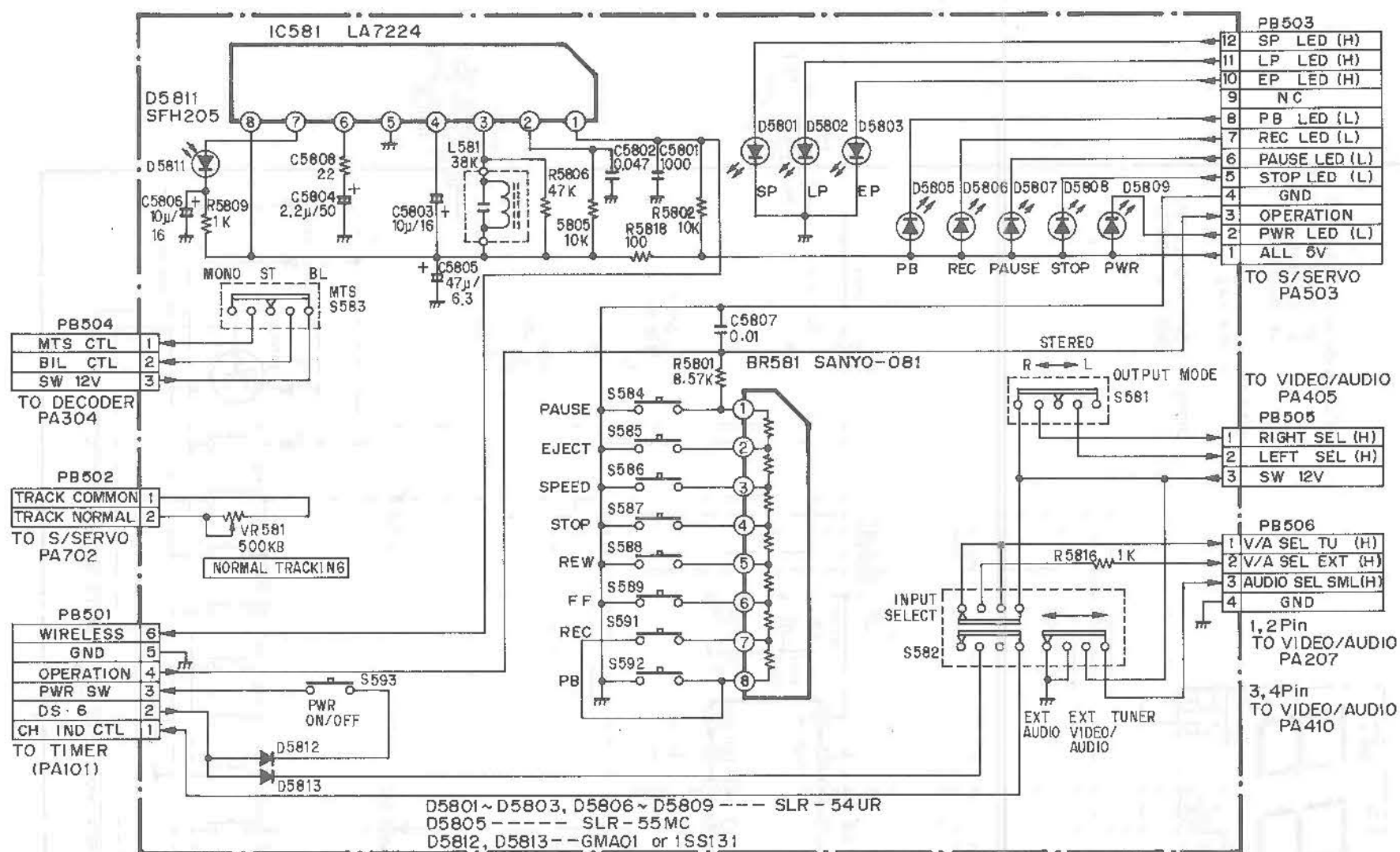
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1SS133
MTZ24(C)
MTZ6.8(C)
MTZ8.2(C)
MTZ24(C)
MA4051(H)
MA4082(M)
OA90A-M



NOTE:
E: Emitter C: Collector B: Base
D: Drain G: Gate S: Source



KEY FUNCTION CIRCUIT DIAGRAM

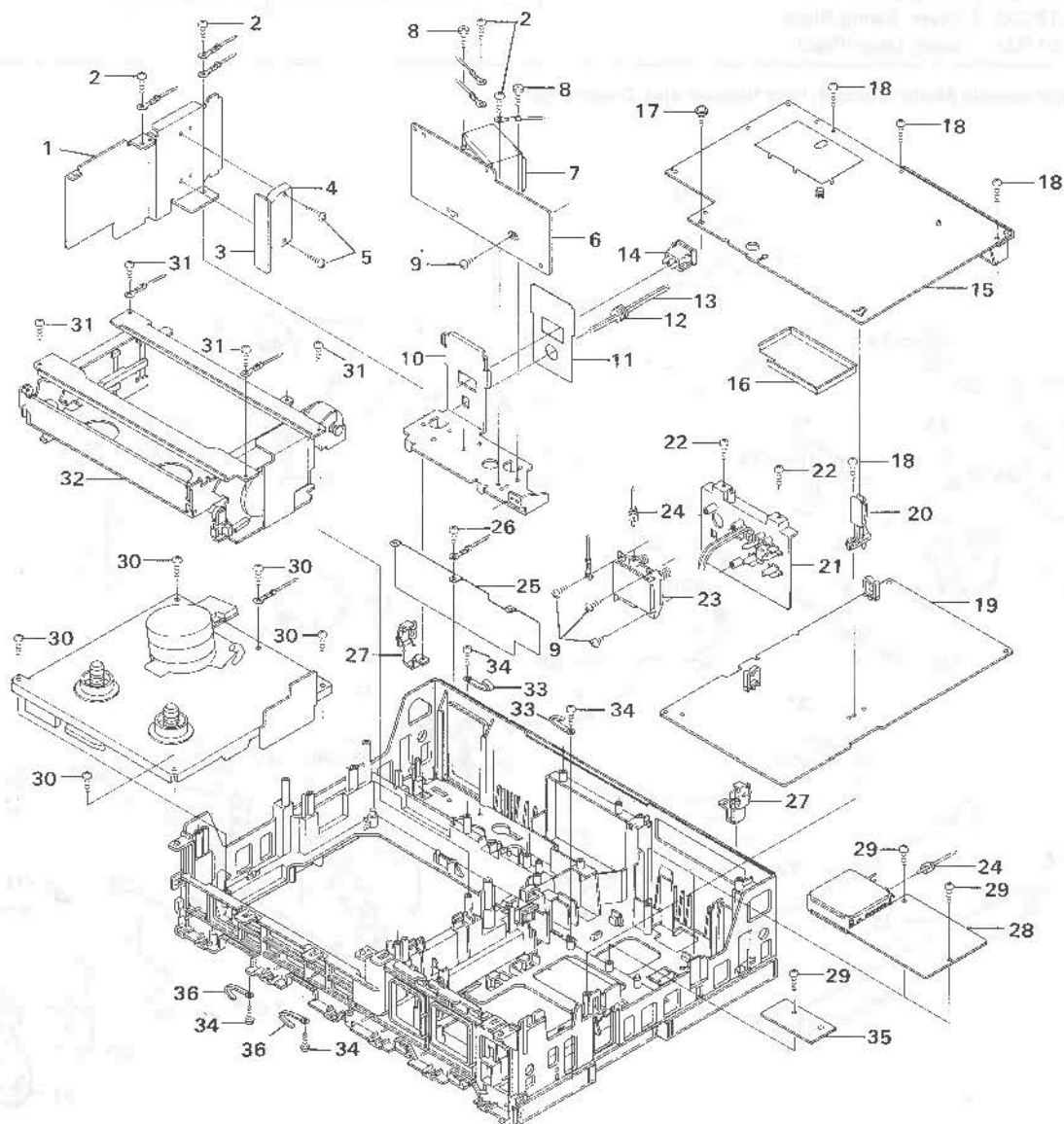


CABINET PARTS (2)

Ref No.	Parts No.	Description
1	143-2-7904-02700	Radiator-HAK
2	103-3-1904-01211	Screw, Brazier Hd Tapping +M4X12
3	0-4014-03410	Power B, PC Assy
4	IGSTK5461ST	H/B, IC STK5461ST
5	103-3-1903-51611	Screw, Brazier Hd Tapping +M3.5X16
6	0-4014-03402	Power A, PC Assy
7	4-2514-01101	Power, Transformer
8	116-3-1704-00811	Screw, Bind Hd Tapping B-Tite +M4X8
9	103-3-1903-00811	Screw, Brazier Hd Tapping +M3X8
10	143-2-3404-12701	Bracket, Power Unit-HAK-B
11	143-2-1954-06400	Power, Indicator Sheet-HAL
12	143-2-6104-03800	HEYCO, Bush-SR-4N-4
13	0-4054-00150	Power Cord Assy (U.S.)
14	4-2354-00650	AC, Outlet
15	0-4014-04430	Video, Audio PC Assy
16	143-2-3504-10200	Shield, Top-HAL
17	143-2-5804-03200	Flange, Screw M3X8
18	103-3-1903-01619	Screw, Brazier Hd Tapping +3X16
19	0-4014-03453	Syscon Servo PC Assy

Ref No.	Parts No.	Description
20	143-2-3404-12500	Holder, P.C.B.-HAK
21	0-4064-00690	Rear Terminal Board Assy
22	103-3-1903-01011	Screw, Brazier Hd Tapping +M3X10
23	4-1164-03162	RF, Converter
24	0-4034-00100	Wire Shield Assy
25	143-2-3504-09700	Shield, Plate Power-HAK
26	103-3-1903-01211	Screw, Brazier Hd Tapping +M3X12
27	143-2-3404-12600	Bracket, Top Cover-HAK
28	4-1154-17965	Tuner, IF Unit
29	103-3-1903-01019	Screw, Brazier Hd Tapping +M3X10
30	103-3-1804-01211	Screw, Tras Hd Tapping +M4X12
31	103-3-1703-01211	Screw, Bind Hd Tapping +M3X12
32	143-0-7304-07618	Stage, Complete-D
33	143-2-5854-02500	Wire, Clamp-HBC
34	103-3-1903-01011	Screw, Brazier Hd Tapping +M3X10
35	0-4014-03631	Audio Mute PC Assy
36	143-2-5854-00300	Wire, Clamp

NOTE: Parts order must contain Model Number, Part Number and Description.

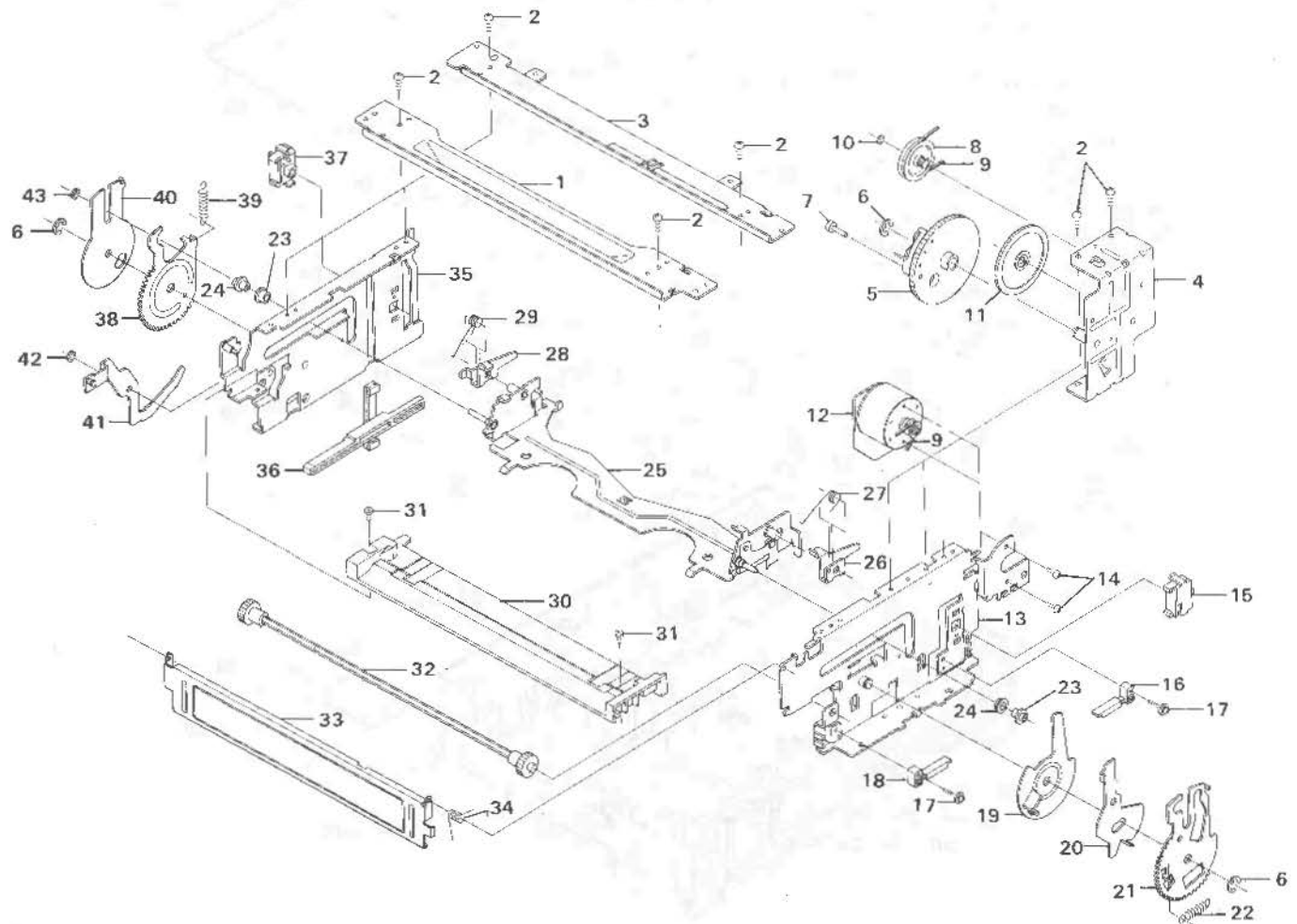


CHASSIS PARTS (1)

Ref No.	Parts No.	Description
1	143-2-7304-17700	Board, Top-Front
2	118-3-1303-00611	Screw, Pan Hd Tapping S-Tite +M3X6
3	143-2-7304-17800	Board, Top-Back
4	143-0-7304-07200	Base Gear Assy
5	143-0-4904-01100	Gear Swing Assy
6	112-3-1304-00040	E-Ring, M4.0
7	143-2-5404-15100	Roller, Swing
8	143-2-7304-18900	Pulley, Pinion
9	143-2-7504-00800	Belt
10	112-3-1301-50040	E-Ring, M1.5
11	143-2-4904-01800	Gear, Reduction
12	4-5254-00370	Front, Loading Motor
or	4-5254-00371	Front, Loading Motor
13	143-0-7304-07001	Right Side Board Assy
14	101-3-1302-60311	Screw, Pan Hd Machine +M2.6X3
15	0-4014-03260	EST PC Assy
16	0-4064-00423	Stop Switch Assy
17	136-3-1302-01011	Screw, Pan Hd Machine Combination Spring Washer & Plain Washer +M2X10
18	0-4064-00413	Start Switch Assy
19	143-2-7304-19400	Plate, Switch
20	143-2-7304-19300	Lever, Swing-Right
21	143-2-4904-01700	Gear, Lever-Right

Ref No.	Parts No.	Description
22	143-2-6604-05400	Spring, Swing Lever-Right
23	143-2-7304-19800	Roller, Tray (B)
24	143-2-7304-19600	Roller, Tray (A)
25	143-0-7304-07300	Tray Assy
26	143-2-7304-18500	Clamper-Right
27	143-2-6804-02100	Spring, Clamper-Right
28	143-2-7304-18600	Clamper-Left
29	143-2-6804-02200	Spring, Clamper-Left
30	143-2-7304-18200	Board, Bottom
31	118-3-1702-60418	Screw, Bind Hd tapping S-Tite +M2.6X4
32	143-0-7304-07400	Rod Connect Assy
33	143-0-7304-07705	Flap-Complete
34	143-2-6804-02300	Spring, Flap
35	143-0-7304-07101	Left Side Board Assy
36	143-2-7304-18300	Elevator
37	0-4014-03250	ESS PC Assy
38	143-0-4904-01000	Gear Lever Left Assy
39	143-2-6604-05500	Spring, Swing Lever-Left
40	143-2-7304-19200	Lever, Swing-Left
41	143-2-7304-18800	Opener, Flap
42	112-3-1302-50040	E-Ring, M2.5
43	112-3-1302-30040	E-Ring, M2.3

NOTE: Parts order must contain Model Number, Part Number and Description.

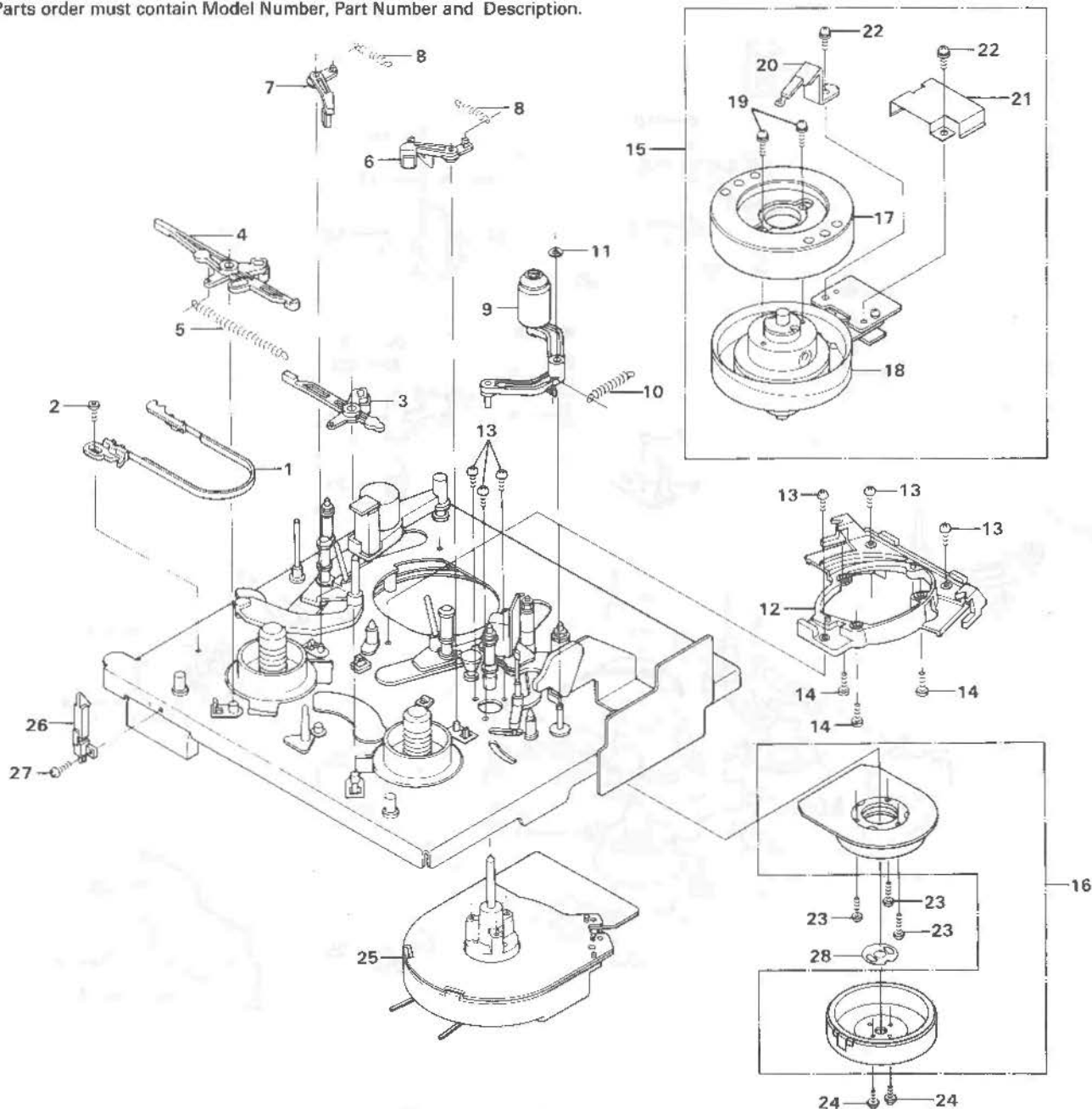


CHASSIS PARTS (2)

Ref No.	Parts No.	Description
1	143-2-5204-01500	Band, Brake
2	101-3-1702-60411	Screw, Bind Hd Machine +M2.6X4
3	143-0-5204-00700	Main Brake Take-Up Assy
or	143-0-5204-01400	Main Brake Take-Up Assy
4	143-0-5204-00600	Main Brake Supply Assy
or	143-0-5204-01300	Main Brake Supply Assy
5	143-2-6604-02800	Spring, Main Brake
6	143-0-5204-00500	Sub Brake Take-Up Assy
or	143-0-5204-01200	Sub Brake Take-Up Assy
7	143-0-5204-00400	Sub Brake Supply Assy
or	143-0-5204-01100	Sub Brake Supply Assy
8	143-2-6604-04300	Spring, Sub Brake
9	143-0-4604-00700	Pinch Roller Final Assy
10	143-2-6604-04400	Spring, Pinch Tension
11	143-2-6304-01800	Washer, Stopper 2.5X6X0.25
12	143-0-3404-02200	Base Cylinder Assy
or	143-0-3404-04100	Base Cylinder Assy
13	101-3-1302-60611	Screw, Pan Hd Machine +M2.6X6
14	101-3-1703-00611	Screw, Bind Hd Machine +M3X6

Ref No.	Parts No.	Description
15	143-0-4704-03800	Cylinder, Complete
or	143-0-4704-03801	Cylinder, Complete
16	4-5254-00390	Cylinder, Motor
or	4-5254-00391	Cylinder, Motor
17	143-0-4704-00700	Cylinder Upper Assy
or	143-0-4704-04000	Cylinder Upper Assy
18	143-0-9934-00600	Cylinder Service Assy
19	143-2-5804-00700	Screw, M3X8
20	143-0-4704-02000	Earth Plate Assy
21	143-2-3504-05500	Shield, Case
22	143-2-5804-00300	Screw, M3X6
23	143-2-5804-01000	Screw, M2.3X10
24	143-2-5804-03000	Screw, Pan Hd Machine Combination Plain Washer +M2.3X5
25	4-5254-00350	Capstan, Motor
or	4-5254-00351	Capstan, Motor
26	0-4064-00294	Safety Switch Assy
27	101-3-1302-60511	Screw, Pan Hd Machine +M2.6X5
28	143-2-4704-03201	Spacer, Motor

NOTE: Parts order must contain Model Number, Part Number and Description.

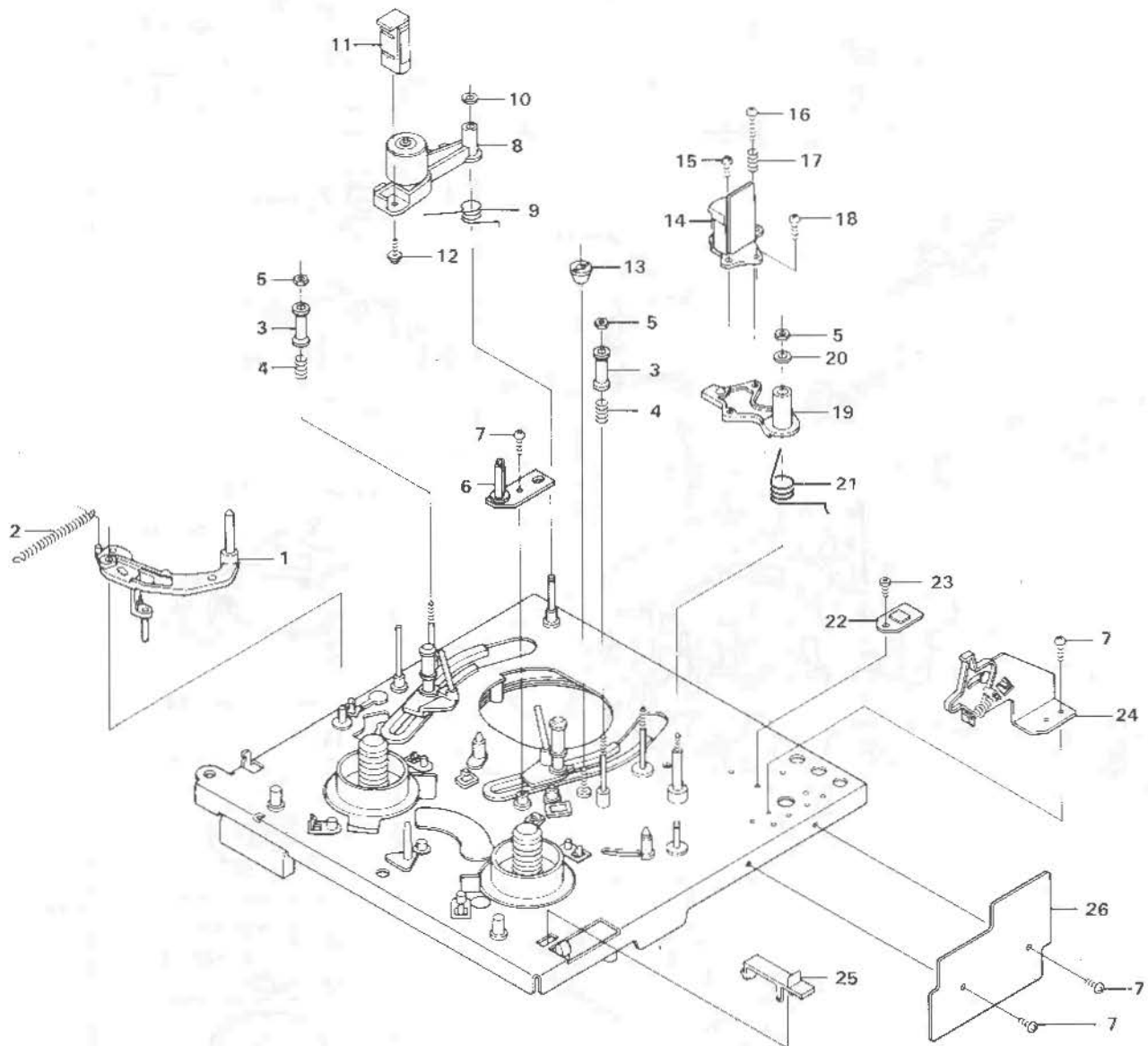


CHASSIS PARTS (3)

Ref No.	Parts No.	Description
1	143-0-5104-02700	Arm Tension Assy
or	143-0-5104-02800	Arm Tension Assy
or	143-0-5104-03200	Arm Tension Assy
2	143-2-6604-04200	Spring, Arm Tension
3	143-2-7704-01800	Guide, Tape
4	143-2-6704-00500	Spring, Adjust Guide
5	106-3-1103-00011	Nut, M3.0
6	0-4014-01154	End LED PC Assy
7	119-3-1302-60611	Screw, Pan Hd Tapping Del-Tite +M2.6X6
8	143-0-5104-03100	Arm, Impedance Roller Complete
or	143-0-5104-03500	Arm, Impedance Roller Complete
9	143-2-6804-01600	Spring, Arm Impedance
10	143-2-6304-01800	Washer, Stopper 2.5X6X0.25
11	0-4064-00670	Full Erase Hd Assy
12	136-3-1302-00511	Screw, Pan Hd Machine Combination Spring Washer & Plain Washer +M2X5

Ref No.	Parts No.	Description
13	143-2-5704-00400	Nut, Tangential
or	143-2-5704-00700	Nut, Tangential
14	0-4064-00700	Audio Control Erase Hd Assy
15	143-2-5804-02306	Screw, Convex
16	101-3-1302-61211	Screw, Pan Hd Machine +M2.6X12
17	143-2-6704-01600	Spring, Azimuth
18	143-2-5804-02300	Set, Screw
19	143-2-5104-05400	Base, Audio Control Erase Hd
or	143-2-5104-07100	Base, Audio Control Erase Hd
20	143-2-6204-00500	Washer, 3.2X8X1
21	143-2-6704-03200	Spring, Tangential Adjust
22	143-0-3404-02900	Dew Sensor Assy
23	116-3-1702-60611	Screw, Bind Hd tapping B-Tite +M2.6X6
24	143-0-7304-05100	Opener, Complete
25	143-2-5104-06500	Lever, Cassette Switch
26	0-4014-03170	Mecha Terminate PC Assy

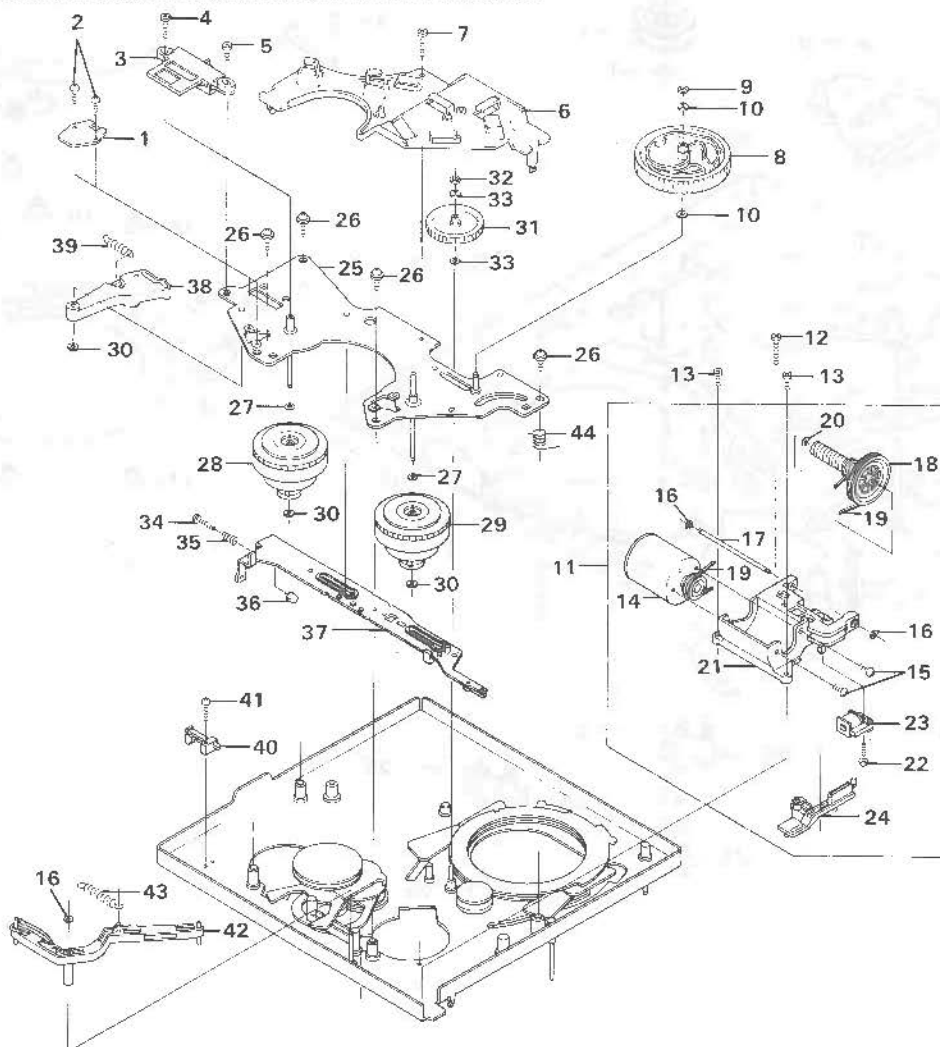
NOTE: Parts order must contain Model Number, Part Number and Description.



CHASSIS PARTS (4)

Ref No.	Parts No.	Description	Ref No.	Parts No.	Description
1	0-4014-01166	Counter PC Assy	25	143-0-3404-01900	Bracket Reel Assy
2	101-3-1302-00311	Screw, Pan Hd Machine +M2X3	or	143-0-3404-02500	Bracket Reel Assy
3	4-2314-00251	Mode, Select Switch	26	143-2-5804-02508	Screw, Pan Hd Tapping Del-Tite +M2.6X8
4	101-3-1702-60811	Screw, Bind Hd Machine +M2.6X8	27	143-2-6304-02900	Washer, 6X3.1X0.3
5	101-3-1702-60511	Screw, Bind Hd Machine +M2.6X5	or	143-2-6304-03000	Washer, 6X3.1X0.4
6	143-2-3404-10100	Protector	or	143-2-6304-03100	Washer, 6X3.1X0.5
r	143-2-3404-11300	Protector	28	143-0-4104-00900	Reel Take-Up Assy
7	101-3-1702-61211	Screw, Bind Hd Machine +M2.6X12	or	143-0-4104-01100	Reel Take-Up Assy
8	143-0-9954-00201	Master, Cam	29	143-0-4104-01000	Reel Supply Assy
9	112-3-1302-50040	E-Ring, M2.5	or	143-0-4104-00800	Reel Supply Assy
10	143-2-6304-00700	Washer, 3.2X6X0.25	30	143-2-6304-01800	Washer, Stopper 2.5X6X0.25
11	143-0-3404-01005	Loading, Drive Complete	31	143-0-9954-00202	Gear, Loading Take-Up
12	101-3-1702-62511	Screw, Bind Hd Machine +M2.6X25	32	112-3-1301-50040	E-Ring, M1.5
13	101-3-1702-60611	Screw, Bind Hd Machine +M2.6X6	33	143-2-6304-00600	Washer, 2.1X4X0.25
14	4-5254-00360	Loading, Motor	34	101-3-1302-61211	Screw, Pan Hd Machine +M2.6X12
15	101-3-1303-00411	Screw, Pan Hd Machine +M3X4	35	143-2-6704-02400	Spring, Stopper
16	143-2-6304-01500	Washer, Stopper 1.5X4X0.25	36	143-2-6104-02600	Cap, Stopper
17	143-2-5504-02000	Pin, Worm	37	143-0-5104-01600	Main Plate Assy
18	143-0-4904-00800	Worm Gear Assy	or	143-0-5104-01601	Main Plate Assy
19	143-2-7504-00300	Belt, Loading	38	143-2-7804-00200	Actuator, Cam
or	143-2-7504-00700	Belt, Loading	or	143-2-7804-00400	Actuator, Cam
20	143-2-6304-00300	Washer, 2.1X5X0.25	39	143-2-6604-04600	Spring, Actuator Cam
21	143-2-3404-06800	Bracket, Loading	40	0-4064-00680	Cassette Switch Assy
22	116-3-1302-01011	Screw, Pan Hd Tapping B-Tite +M2X10	41	101-3-1302-00811	Screw, Pan Hd Machine +M2X8
23	4-2644-00044	Latch, Coil	42	143-0-5104-02400	Arm, Idler Control Complete
24	143-0-5104-01500	Rack Assy	43	143-2-6604-04100	Spring, Arm Control
			44	143-2-6704-03700	Spring, Earth

NOTE: Parts order must contain Model Number, Part Number and Description.

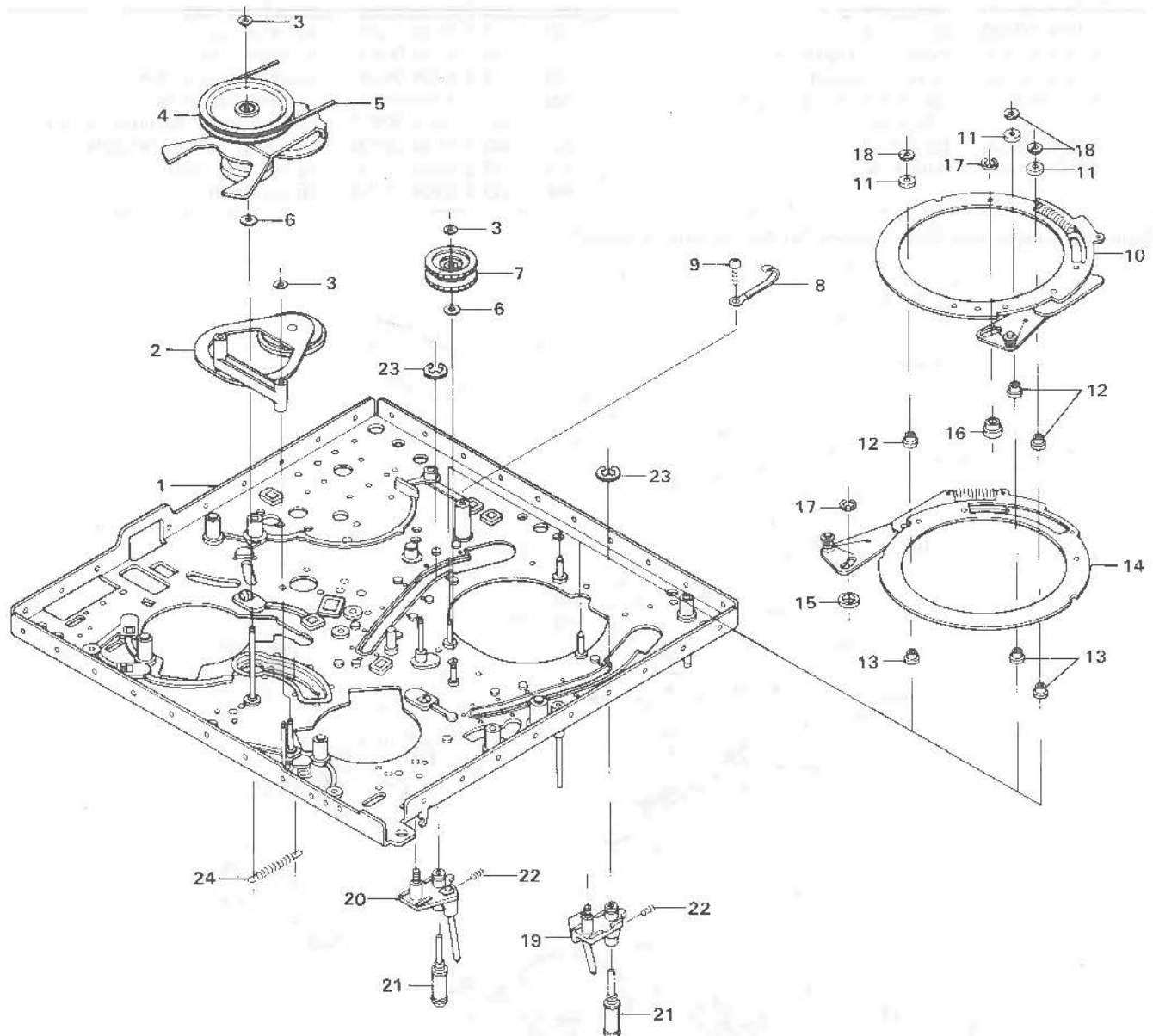


CHASSIS PARTS (5)

Ref No.	Parts No.	Description
1	143-0-3104-00403	Chassis Assy
or	143-0-3104-00503	Chassis Assy
2	143-0-4204-00400	Idler, Complete
3	143-2-6304-01500	Washer, Stopper 1.5X4X0.25
4	143-0-4904-00900	Gear, Idler Complete
5	143-2-7504-00400	Belt, Drive
or	143-2-7504-00600	Belt, Drive
6	143-2-6304-00600	Washer, 2.1X4X0.25
7	143-2-4904-00800	Gear, Loading Supply
8	143-2-6854-00300	Wire, Clamp
9	119-3-1302-60611	Screw, Pan Hd Tapping Del-Tite +M2.6X6
10	143-0-4904-00700	Ring, loading Supply Complete
or	143-0-4904-01500	Ring, Loading Supply Complete
11	143-2-4804-01200	Roller, Lower

Ref No.	Parts No.	Description
12	143-2-4804-01100	Roller, Center
13	143-2-4804-01000	Roller, Upper
14	143-0-4904-00500	Ring, Loading Take-Up Complete
or	143-0-4904-01300	Ring, Loading Take-Up Complete
15	143-2-5604-02600	Spacer, Take-Up
16	143-2-5604-02500	Spacer, Supply
17	112-3-1302-00040	E-Ring, M2.0
18	143-2-6304-01600	Washer, Stopper 1.6X5X0.5
19	143-0-5104-02900	Base Guide Roller Supply Assy
20	143-0-5104-00900	Base Guide Roller Take-Up Assy
21	143-0-7704-00400	Guide Roller Assy
or	143-0-7704-00600	Guide Roller Assy
22	115-3-3502-00486	Screw, Cone Type Hex +M2X4
23	112-3-1304-00040	E-Ring, M4.0
24	143-2-6604-04500	Spring, Idler

NOTE: Parts order must contain Model Number, Part Number and Description.



Note:

Capacitor and Resistor Materials are abbreviated as follow:

ALSIC Aisicon Capacitor
 CARBO Carbon
 CERAM Ceramic Capacitor
 ELECT Electroical Capacitor
 FUSE Fuse Resistor
 METAL Metal Oxide Metal Film
 MYLAR Mylar Film Capacitor
 M-FIL Metal Film Capacitor
 SEMI Semiconductor Capacitor
 SOLID Solid Capacitor

Capcitor and Resistor Tolerances are noted as follows:

C $\pm 0.25\%$
 D $\pm 0.5\mu F$
 J $\pm 5\%$
 K $\pm 10\%$
 M $\pm 20\%$
 Z $+80\% - 20\%$

VIDEO AUDIO CIRCUIT P.C.B PARTS

Schematic Location	Parts No.	Description
	0-4014-04430	VIDEO AUDIO PC ASSY
	0-4030-00290	1P CORD ASSY
	4-2374-00070	1P TERMINAL-D
	0-4038-00080	CORD ASSY
	4-2374-00390	INPUT REAR TERMINAL BOARD
	143-2-3504-10100	SHIELD CASE-HAL
	143-2-3504-10300	SHIELD BOTTOM-HAL
	143-2-5854-01500	PC SUPPORT-R4N
		(CAPACITORS)
C2002	C1EBDK223SR	SEMI 0.022 μF 25V K
C2003	C1EUEK104A	ALSIK 0.1 μF 25V K
C2004	C1EBDK223SR	SEMI 0.022 μF 25V K
C2006	C1ELEM475A	ELECT 4.7 μF 25V M
C2007	C1EHEK225A	ELECT 2.2 μF 25V K
C2008	C1EHEK225A	ELECT 2.2 μF 25V K
C2009	C1CLEM476A	ELECT 47 μF 16V M
C2010	C1EBDK473SR	SEMI 0.047 μF 25V K
C2011	C1ALEM336A	ELECT 33 μF 10V M
C2012	C1ALEM477A	ELECT 470 μF 10V M
C2013	C1ALEM476A	ELECT 47 μF 10V M
C2014	C1EBDK473SR	SEMI 0.047 μF 25V K
C2016	C1CLEM106A	ELECT 10 μF 16V M
C2017	C1EAEM475A	ELECT 4.7 μF 25V M
C2018	COJLEM477A	ELECT 470 μF 6.3V M
C2019	C1EAEM475A	ELECT 4.7 μF 25V M
C2020	C1HLEM474A	ELECT 0.47 μF 50V M
C2021	C1ALEM226A	ELECT 22 μF 10V M
C2022	C1HCDJ220SL	CERAM 22pF 50V J
C2023	C1HCDJ271SL	CERAM 270pF 50V J
C2024	COJLEM336A	ELECT 33 μF 6.3V M
C2025	C1ALEM226A	ELECT 22 μF 10V M
C2026	C1CLEM226A	ELECT 22 μF 16V M
C2027	C1CLEM226A	ELECT 22 μF 16V M
C2028	COJDEM023T	ELECT 1000 μF 6.3V M
C2029	C1CLEM227A	ELECT 220 μF 16V M
C2030	C1EBDK473SR	SEMI 0.047 μF 25V K
C2031	C1HCDJ220SL	CERAM 22pF 50V J
C2032	C1EBDK473SR	SEMI 0.047 μF 25V K
C2033	COJLEM227A	ELECT 220 μF 6.3V M

Schematic Location	Parts No.	Description
C2034	C1EBDK473SR	SEMI 0.047 μF 25V K
C2035	C1EBDK223SR	SEMI 0.022 μF 25V K
C2036	C1EBDK223SR	SEMI 0.022 μF 25V K
C2037	C1EBDK473SR	SEMI 0.047 μF 25V K
C2038	C1EBDK473SR	SEMI 0.047 μF 25V K
C2039	C1HLEM105A	ELECT 1 μF 50V M
C2040	C1HCDJ220SL	CERAM 22pF 50V J
C2041	C1HLEM105A	ELECT 1 μF 50V M
C2042	C1HCDJ220CH	CERAM 22pF 50V J
C2043	C1HLEM105A	ELECT 1 μF 50V M
C2044	C1EBDK333SR	SEMI 0.033 μF 25V K
C2045	C1CLEM476A	ELECT 47 μF 16V M
C2046	C1EBDK473SR	SEMI 0.047 μF 25V K
C2049	C1EBDK223SR	SEMI 0.022 μF 25V K
C2050	C1HCDJ331SL	CERAM 330pF 50V J
C2051	C1HCDJ331SL	CERAM 330pF 50V J
C2052	C1HLEM105A	ELECT 1 μF 50V M
C2053	C1EBDK333SR	SEMI 0.033 μF 25V K
C2054	C1EBDK223SR	SEMI 0.022 μF 25V K
C2055	C1EBDK223SR	SEMI 0.022 μF 25V K
C2056	C1EBDK333SR	SEMI 0.033 μF 25V K
C2057	C1EBDK223SR	SEMI 0.022 μF 25V K
C2058	C1EUEK104A	ALSIK 0.1 μF 25V K
C2059	C1EBDK223SR	SEMI 0.022 μF 25V K
C2060	C1EBDK223SR	SEMI 0.022 μF 25V K
C2061	C1EBDK223SR	SEMI 0.022 μF 25V K
C2062	C1HCDJ331SL	CERAM 330pF 50V J
C2063	COJLEM476A	ELECT 47 μF 6.3V M
C2064	C1EBDK473SR	SEMI 0.047 μF 25V K
C2065	C1HCDJ220SL	CERAM 22pF 50V J
C2066	C1HCDJ220SL	CERAM 22pF 50V J
C2067	C1EBDK223SR	SEMI 0.022 μF 25V K
C2068	C1EBDK473SR	SEMI 0.047 μF 25V K
C2070	C1HCDJ680CH	CERAM 68pF 50V J
C2073	C1EBDK223SR	SEMI 0.022 μF 25V K
C2074	C1HCDJ101SL	CERAM 100pF 50V J
C2075	C1HCDJ331SL	CERAM 330pF 50V J
C2076	C1HCDJ330SL	CERAM 33pF 50V J
C2077	COJLEM336A	ELECT 33 μF 6.3V M
C2078	C1CLEM106A	ELECT 10 μF 16V M
C2079	C1HCDJ101SL	CERAM 100pF 50V J

Schematic Location	Parts No.	Description		
C2080	C1CLEM106A	ELECT	10 μ F	16V M
C2081	C1HLEM105A	ELECT	1 μ F	50V M
C2082	C1EHEK225A	ELECT	2.2 μ F	25V K
C2083	COJLEM227A	ELECT	220 μ F	6.3V M
C2084	C1EUEK224A	ALSIC	0.22 μ F	25V K
C2085	C1EBDK103SR	SEMI	0.01 μ F	25V K
C2086	C1HLEM105A	ELECT	1 μ F	50V M
C2087	C1EBDK223SR	SEMI	0.022 μ F	25V K
C2090	C1EBDK473SR	SEMI	0.047 μ F	25V K
C2091	C1EBDK473SR	SEMI	0.047 μ F	25V K
C2092	C1EBDK223SR	SEMI	0.022 μ F	25V K
C2093	C1EBDK473SR	SEMI	0.047 μ F	25V K
C2094	C1EBDK473SR	SEMI	0.047 μ F	25V K
C2096	C1CLEM476A	ELECT	47 μ F	16V M
C2097	C1EBDK102SR	SEMI	0.001 μ F	25V K
C2098	C1EBDK103SR	SEMI	0.01 μ F	25V K
C2099	C1EBDK102SR	SEMI	0.001 μ F	25V K
C2100	C1CLEM476A	ELECT	47 μ F	16V M
C2101	C1EBDK473SR	SEMI	0.047 μ F	25V K
C2102	C1HCDJ101SL	CERAM	100pF	50V J
C2154	C1EBDK223SR	SEMI	0.022 μ F	25V K
C2161	C1HCDD100SL	CERAM	10pF	50V D
C2162	C1HCDC4ROSL	CERAM	4pF	50V C
C2163	C1HCDJ470CH	CERAM	47pF	50V J
C2164	C1HCDJ471SL	CERAM	470pF	50V J
C400	C1CLEM106A	ELECT	10 μ F	16V M
C403	C1HFRJ122C	MYLAR	0.0012 μ F	50V J
C404	C1HFRJ122C	MYLAR	0.0012 μ F	50V J
C405	C1HFRJ272C	MYLAR	0.0027 μ F	50V J
C406	C1HFRJ272C	MYLAR	0.0027 μ F	50V J
C407	C1HFRJ102C	MYLAR	0.001 μ F	50V J
C408	C1HFRJ102C	MYLAR	0.001 μ F	50V J
C411	C1HYDK561B	CERAM	560pF	50V K
C412	C1HYDK561B	CERAM	560pF	50V K
C413	C1HFRJ103C	MYLAR	0.01 μ F	50V J
C414	C1HFRJ103C	MYLAR	0.01 μ F	50V J
C415	C1HFRJ472C	MYLAR	0.0047 μ F	50V J
C416	C1HFRJ472C	MYLAR	0.0047 μ F	50V J
C417	C1HFRJ183C	MYLAR	0.018 μ F	50V J
C418	C1HFRJ183C	MYLAR	0.018 μ F	50V J
C419	C1HLEM104A	ELECT	0.1 μ F	50V M
C420	C1HLEM104A	ELECT	0.1 μ F	50V M
C421	C1HFRJ562C	MYLAR	0.0056 μ F	50V J
C422	C1HFRJ562C	MYLAR	0.0056 μ F	50V J
C423	C1HYDK221B	CERAM	220pF	50V K
C424	C1HYDK221B	CERAM	220pF	50V K
C426	C1CLEM107A	ELECT	100 μ F	16V M
C427	C1ELEM475A	ELECT	4.7 μ F	25V M
C429	C1ALEM227A	ELECT	220 μ F	10V M
C430	C1CLEM107A	ELECT	100 μ F	16V M
C431	C1HFRJ392C	MYLAR	0.0039 μ F	50V J
C432	C1HFRJ392C	MYLAR	0.0039 μ F	50V J
C433	C1HLEM225A	ELECT	2.2 μ F	50V M
C434	C1HLEM225A	ELECT	2.2 μ F	50V M
C435	C1HLEM225A	ELECT	2.2 μ F	50V M
C436	C1HLEM225A	ELECT	2.2 μ F	50V M
C437	C1ELEM475A	ELECT	4.7 μ F	25V M
C438	C1ELEM475A	ELECT	4.7 μ F	25V M
C439	C1HYDK102B	CERAM	0.001 μ F	50V K
C440	C1HYDK102B	CERAM	0.001 μ F	50V K
C441	C1HYDK102B	CERAM	0.001 μ F	50V K
C442	C1HYDK102B	CERAM	0.001 μ F	50V K
C443	C1ELEM475A	ELECT	4.7 μ F	25V M
C444	C1ELEM475A	ELECT	4.7 μ F	25V M
C445	C1HFRJ333C	MYLAR	0.033 μ F	50V J
C446	C1HFRJ333C	MYLAR	0.033 μ F	50V J
C447	C1HFRJ472C	MYLAR	0.0047 μ F	50V J
C448	C1HFRJ472C	MYLAR	0.0047 μ F	50V J

Schematic Location	Parts No.	Description		
C449	C1HFRJ103C	MYLAR	0.01 μ F	50V J
C450	C1HFRJ103C	MYLAR	0.01 μ F	50V J
C451	C1HFRJ104C	MYLAR	0.1 μ F	50V J
C452	C1HFRJ104C	MYLAR	0.1 μ F	50V J
C453	C1HFRJ333C	MYLAR	0.033 μ F	50V J
C454	C1HFRJ333C	MYLAR	0.033 μ F	50V J
C455	C1CLEM107A	ELECT	100 μ F	16V M
C456	C1CLEM107A	ELECT	100 μ F	16V M
C457	C1CLEM106A	ELECT	10 μ F	16V M
C458	C1CLEM106A	ELECT	10 μ F	16V M
C459	C1CLEM476A	ELECT	47 μ F	16V M
C461	C1HYDK221B	CERAM	220pF	50V K
C462	C1HYDK221B	CERAM	220pF	50V K
C463	C1ELEM475A	ELECT	4.7 μ F	25V M
C464	C1ELEM475A	ELECT	4.7 μ F	25V M
C465	C1CLEM106A	ELECT	10 μ F	16V M
C466	C1CLEM106A	ELECT	10 μ F	16V M
C467	C1HLEM225A	ELECT	2.2 μ F	50V M
C468	C1HLEM225A	ELECT	2.2 μ F	50V M
C469	C1CLEM106A	ELECT	10 μ F	16V M
C470	C1CLEM106A	ELECT	10 μ F	16V M
C471	C1HLEM225A	ELECT	2.2 μ F	50V M
C472	C1HLEM225A	ELECT	2.2 μ F	50V M
C473	C1ELEM475A	ELECT	4.7 μ F	25V M
C474	C1ELEM475A	ELECT	4.7 μ F	25V M
C475	C1ALEM107A	ELECT	100 μ F	10V M
C476	C1ALEM226A	ELECT	22 μ F	10V M
C479	C1CLEM106A	ELECT	10 μ F	16V M
C480	C1CLEM106A	ELECT	10 μ F	16V M
C481	C1HYDK821B	CERAM	820pF	50V K
C482	C1HYDK821B	CERAM	820pF	50V K
C499	C1ALEM107A	ELECT	100 μ F	10V M
(DIODES)				
D201	DMMA4051-H	ZENER DIODE MA4051-H		
D202	DGGMA01-L	DIODE GMA01-L		
or	DY1SS133	DIODE 1SS133		
D203	DGGMA01-L	DIODE GMA01-L		
or	DY1SS133	DIODE 1SS133		
D204	DGGMA01-L	DIODE GMA01-L		
or	DY1SS133	DIODE 1SS133		
D205	DG1S188-FM	DIODE 1S188-FM		
or	DMOA90A-M	DIODE OA90A-M		
D208	DGGMA01-L	DIODE GMA01-L		
or	DY1SS133	DIODE 1SS133		
D209	DGGMA01-L	DIODE GMA01-L		
or	DY1SS133	DIODE 1SS133		
D403	DGGMA01-L	DIODE GMA01-L		
or	DY1SS133	DIODE 1SS133		
D404	DGGMA01-L	DIODE GMA01-L		
or	DY1SS133	DIODE 1SS133		
D406	DGGMA01-L	DIODE GMA01-L		
or	DY1SS133	DIODE 1SS133		
D407	DGGMA01-L	DIODE GMA01-L		
or	DY1SS133	DIODE 1SS133		
D408	DGGMA01-L	DIODE GMA01-L		
or	DY1SS133	DIODE 1SS133		
D409	DGGMA01-L	DIODE GMA01-L		
or	DY1SS133	DIODE 1SS133		
D410	DGGMA01-L	DIODE GMA01-L		
or	DY1SS133	DIODE 1SS133		
D411	DGGMA01-L	DIODE GMA01-L		
or	DY1SS133	DIODE 1SS133		
DL201	4-2844-00160	DELAY LINE		
or	4-2844-00161	DELAY LINE COM 1H		
DL202	4-2844-00190	DELAY LINE DOC 1H		
or	4-2844-00191	DELAY LINE DOC 1H		

Schematic Location	Parts No.	Description	Schematic Location	Parts No.	Description
IC201	IPSV826AN	(ICS) H/B IC SV826AN	PA406	4-2364-00220	2P PLUG VERTICAL
IC202	IPSV794AN	H/B IC SV794AN	PA407	4-2364-00230	3P PLUG VERTICAL
IC203	IHHA11797	IC HA11797	PA409	4-2364-00230	3P PLUG VERTICAL
IC204	ITTA7347P	IC TA7347P	PA410	4-2364-00220	2P PLUG VERTICAL
IC205	IFEWA127	IC EWA127	PA411	4-2364-00220	2P PLUG VERTICAL
IC206	IPSV02DEAN	DETAIL ENHANCER	PA412	4-2364-00240	4P PLUG VERTICAL
IC401	IYBX7197W	H/B IC BX7197W	PA413	4-2364-00230	3P PLUG VERTICAL
IC402	IYBA1104LS	IC BA1104LS			(TRANSISTORS)
IC403	IGLA6458DF	IC LA6458DF	Q202	TG2SD734	TR 2SD734(F)or(G)
or	IJNJM4558DM	IC NJM4558DM	Q203	TG2SD734	TR 2SD734(F)or(G)
IC404	IGLC4066B	IC LC4066B	Q204	TG2SD400	TR 2SD400(F)
or	INMPD4066BC	IC μ PD4066BC	Q205	TG2SC536NP	TR 2SC536NP(F)or(G)
or	ITTC4066BP	IC TC4066BP	or	TG2SC536SP	TR 2SC536SP(F)or(G)
IC405	IGLC4066B	IC LC4066B	Q206	TG2SC2999	TR 2SC2999(E)
or	INMPD4066BC	IC μ PD4066BC	Q207	TG2SC536NP	TR 2SC536NP(F)
or	ITTC4066BP	IC TC4066BP	or	TG2SC536SP	TR 2SC536SP(F)
		(COILS)	Q208	TG2SC536NP	TR 2SC536NP(F)or(G)
L202	4-2724-E101K	INDUCTOR 100 μ H	or	TG2SC536SP	TR 2SC536SP(F)or(G)
L203	4-2724-U470K	INDUCTOR 47 μ H	Q210	TG2SC536NP	TR 2SC536NP(F)or(G)
L204	4-2724-U560K	INDUCTOR 56 μ H	or	TG2SC536SP	TR 2SC536SP(F)or(G)
L205	4-2724-F101K	INDUCTOR 100 μ H	Q211	TG2SC536NP	TR 2SC536NP(F)or(G)
or	4-2724-U101K	INDUCTOR 100 μ H	or	TG2SC536SP	TR 2SC536SP(F)or(G)
L207	4-2724-U101K	INDUCTOR 100 μ H	Q212	TG2SC536NP	TR 2SC536NP(F)or(G)
L208	4-2724-U221K	INDUCTOR 220 μ H	or	TG2SC536SP	TR 2SC536SP(F)or(G)
L209	4-2724-U330K	INDUCTOR 33 μ H	Q213	TG2SA608NP	TR 2SA608NP(F)or(G)
L210	4-2724-U220K	INDUCTOR 22 μ H	or	TG2SA608SP	TR 2SA608SP(F)or(G)
L213	4-2724-U150K	INDUCTOR 15 μ H	Q214	TG2SC536NP	TR 2SC536NP(F)or(G)
L214	4-2724-F101K	INDUCTOR 100 μ H	or	TG2SC536SP	TR 2SC536SP(F)or(G)
or	4-2724-U101K	INDUCTOR 100 μ H	Q215	TG2SC536NP	TR 2SC536NP(F)
L215	4-2724-U820K	INDUCTOR 82 μ H	or	TG2SC536SP	TR 2SC536SP(F)
L216	4-2724-U3R9K	INDUCTOR 3.9 μ H	Q216	TG2SC536NP	TR 2SC536NP(F)
L217	4-2724-U150K	INDUCTOR 15 μ H	or	TG2SC536SP	TR 2SC536SP(F)
L218	4-2724-U470K	INDUCTOR 47 μ H	Q217	TG2SC536NP	TR 2SC536NP(F)
L219	4-2724-F101K	INDUCTOR 100 μ H	or	TG2SC536SP	TR 2SC536SP(F)
or	4-2724-U101K	INDUCTOR 100 μ H	Q218	TG2SA608NP	TR 2SA608NP(F)
L220	4-2724-E102K	INDUCTOR 1000 μ H	or	TG2SA608SP	TR 2SA608SP(F)
L221	4-2724-F101K	INDUCTOR 100 μ H	Q219	TG2SC536NP	TR 2SC536NP(F)or(G)
or	4-2724-U101K	INDUCTOR 100 μ H	or	TG2SC536SP	TR 2SC536SP(F)or(G)
L223	4-2724-U220K	INDUCTOR 22 μ H	Q220	TG2SC3400	DIGI TR 2SC3400
L251	4-2534-00480	3.58MHz B,P,F	or	TYDTC124N	DIGI TR DTC124N
L252	4-2594-00010	3.58MHz TRAP COIL	or	TYDTC124S	DIGI TR DTC124S
L253	4-2594-00160	5.35MHz PEAKING COIL	Q221	TG2SA608NP	TR 2SA608NP(F)or(G)
L254	4-2534-00610	DELAY EQUALIZER	or	TG2SA608SP	TR 2SA608SP(F)or(G)
L255	4-2534-00010	1.4MHz H1GH PASS FIL.	Q222	TG2SC536NP	TR 2SC536NP(F)or(G)
L401	4-2554-00280	INDUCTOR 22 μ H	or	TG2SC536SP	TR 2SC536SP(F)or(G)
L402	4-2554-00270	INDUCTOR 22 μ H	or	TG2SC536NP	TR 2SC536NP(F)or(G)
L403	4-2524-00060	DOLBY FILTER 2POLE	or	TG2SC536SP	TR 2SC536SP(F)or(G)
L404	4-2524-00060	DOLBY FILTER 2POLE	Q405	TG2SC3400	DIGI TR 2SC3400
L405	4-2724-E101K	INDUCTOR 100 μ H	or	TYDTC124N	DIGI TR DTC124N
or	4-2724-R101K	INDUCTOR 100 μ H	or	TYDTC124S	DIGI TR DTC124S
		(PLUGS)	Q406	TG2SC3400	DIGI TR 2SC3400
PA201	4-2364-00220	2P PLUG VERTICAL	or	TYDTC124N	DIGI TR DTC124N
PA202	4-2364-00230	3P PLUG VERTICAL	or	TYDTC124S	DIGI TR DTC124S
PA203	4-2364-00290	9P PLUG VERTICAL	Q407	TG2SC536SP	TR 2SC536SP(F)or(G)
PA204	4-2364-00220	2P PLUG VERTICAL	or	TN2SC945	TR 2SC945(K)or(P)
PA205	4-2364-00260	6P PLUG VERTICAL	or	TT2SC1815	TR 2SC1815(Y)
PA206	4-2364-00250	5P PLUG VERTICAL	or	TY2SC1740	TR 2SC1740(R)or(S)
PA207	4-2364-00220	2P PLUG VERTICAL	or	TG2SC536SP	TR 2SC536SP(F)or(G)
PA208	4-2364-00230	3P PLUG VERTICAL	or	TN2SC945	TR 2SC945(K)or(P)
PA209	4-2364-00220	2P PLUG VERTICAL	or	TT2SC1815	TR 2SC1815(Y)
PA401	4-2364-00220	2P PLUG VERTICAL	or	TY2SC1740	TR 2SC1740(R)or(S)
PA402	4-2364-00220	2P PLUG VERTICAL	Q409	TG2SC3400	DIGI TR 2SC3400
PA403	4-2364-00220	2P PLUG VERTICAL	or	TYDTC124N	DIGI TR DTC124N
PA404	4-2364-00220	2P PLUG VERTICAL	or	TYDTC124S	DIGI TR DTC124S
PA405	4-2364-00230	3P PLUG VERTICAL	Q410	TG2SC3400	DIGI TR 2SC3400
			or	TYDTC124N	DIGI TR DTC124N
			or	TYDTC124S	DIGI TR DTC124S

Schematic Location	Parts No.	Description
Q411	TG2SC3399	DIGI TR 2SC3399
or	TYDTC144N	DIGI TR DTC144N
or	TYDTC144S	DIGI TR DTC144S
Q413	TG2SC536SP	TR 2SC536SP(F)or(G)
or	TN2SC945	TR 2SC945(K)or(P)
or	TT2SC1815	TR 2SC1815(Y)
or	TY2SC1740	TR 2SC1740(R)or(S)
Q422	TG2SC3399	DIGI TR 2SC3399
or	TYDTC144N	DIGI TR DTC144N
or	TYDTC144S	DIGI TR DTC144S
Q423	TG2SC536SP	TR 2SC536SP(F)or(G)
or	TN2SC945	TR 2SC945(K)or(P)
or	TT2SC1815	TR 2SC1815(Y)
or	TY2SC1740	TR 2SC1740(R)or(S)
Q424	TG2SC536SP	TR 2SC536SP(F)or(G)
or	TN2SC945	TR 2SC945(K)or(P)
or	TT2SC1815	TR 2SC1815(Y)
or	TY2SC1740	TR 2SC1740(R)or(S)
Q425	TG2SC3400	DIGI TR 2SC3400
or	TYDTC124N	DIGI TR DTC124N
or	TYDTC124S	DIGI TR DTC124S
(RESISTORS)		
R2001	401 023 1607	CARBON 820Ω 1/4W J
R2002	401 013 5202	CARBON 1.2kΩ 1/4W J
R2003	401 021 1807	CARBON 560Ω 1/4W J
R2004	401 012 5609	CARBON 1kΩ 1/4W J
R2006	401 012 5609	CARBON 1kΩ 1/4W J
R2008	401 013 5202	CARBON 1.2kΩ 1/4W J
R2009	401 020 1907	CARBON 4.7kΩ 1/4W J
R2010	401 013 5202	CARBON 1.2kΩ 1/4W J
R2011	401 014 4006	CARBON 1.5kΩ 1/4W J
R2012	401 022 0700	CARBON 68Ω 1/4W J
R2013	401 012 5609	CARBON 1kΩ 1/4W J
R2014	401 012 5609	CARBON 1kΩ 1/4W J
R2015	401 020 0702	CARBON 470Ω 1/4W J
R2016	401 022 1806	CARBON 680Ω 1/4W J
R2017	401 022 3008	CARBON 6.8kΩ 1/4W J
R2018	401 014 5102	CARBON 15kΩ 1/4W J
R2019	401 020 1907	CARBON 4.7kΩ 1/4W J
R2020	401 022 6702	CARBON 75Ω 1/4W J
R2021	401 022 6702	CARBON 75Ω 1/4W J
R2022	401 012 6903	CARBON 10kΩ 1/4W J
R2023	401 012 6903	CARBON 10kΩ 1/4W J
R2024	401 016 4707	CARBON 22kΩ 1/4W J
R2025	401 022 1806	CARBON 680Ω 1/4W J
R2026	401 015 3701	CARBON 18kΩ 1/4W J
R2027	401 013 7206	CARBON 120kΩ 1/4W J
R2028	401 015 2605	CARBON 1.8kΩ 1/4W J
R2029	401 012 4404	CARBON 100Ω 1/4W J
R2030	401 022 3008	CARBON 6.8kΩ 1/4W J
R2031	401 020 3802	CARBON 470kΩ 1/4W J
R2032	401 021 1807	CARBON 560Ω 1/4W J
R2033	401 022 7105	CARBON 750Ω 1/4W J
R2035	401 016 2505	CARBON 220Ω 1/4W J
R2036	401 018 3708	CARBON 3.3kΩ 1/4W J
R2037	401 012 3308	CARBON 10Ω 1/4W J
R2038	401 012 3308	CARBON 10Ω 1/4W J
R2039	401 018 3708	CARBON 3.3kΩ 1/4W J
R2040	401 018 3708	CARBON 3.3kΩ 1/4W J
R2041	401 018 3708	CARBON 3.3kΩ 1/4W J
R2042	401 016 5704	CARBON 220kΩ 1/4W J
R2043	401 016 3700	CARBON 2.2kΩ 1/4W J
R2044	401 019 6104	CARBON 4.7Ω 1/4W J
R2045	401 016 1409	CARBON 22Ω 1/4W J
R2046	401 012 6903	CARBON 10kΩ 1/4W J
R2048	401 012 6903	CARBON 10kΩ 1/4W J
R2050	401 012 6903	CARBON 10kΩ 1/4W J

Schematic Location	Parts No.	Description
R2051	401 012 6903	CARBON 10kΩ 1/4W J
R2053	401 013 4106	CARBON 120Ω 1/4W J
R2054	401 020 0702	CARBON 470Ω 1/4W J
R2055	401 013 6308	CARBON 12kΩ 1/4W J
R2056	401 016 4707	CARBON 22kΩ 1/4W J
R2057	401 013 5202	CARBON 1.2kΩ 1/4W J
R2058	401 018 2701	CARBON 330Ω 1/4W J
R2059	401 023 0600	CARBON 82Ω 1/4W J
R2060	401 013 6308	CARBON 12kΩ 1/4W J
R2061	401 019 1802	CARBON 3.9kΩ 1/4W J
R2062	401 014 4006	CARBON 1.5kΩ 1/4W J
R2063	401 017 1705	CARBON 2.7kΩ 1/4W J
R2064	401 020 0702	CARBON 470Ω 1/4W J
R2065	401 019 0904	CARBON 390Ω 1/4W J
R2066	401 021 1807	CARBON 560Ω 1/4W J
R2067	401 020 0702	CARBON 470Ω 1/4W J
R2068	401 014 5102	CARBON 15kΩ 1/4W J
R2069	401 016 4707	CARBON 22kΩ 1/4W J
R2070	401 021 1807	CARBON 560Ω 1/4W J
R2071	401 012 5609	CARBON 1kΩ 1/4W J
R2072	401 023 3601	CARBON 82kΩ 1/4W J
R2073	401 015 3701	CARBON 18kΩ 1/4W J
R2074	401 012 5609	CARBON 1kΩ 1/4W J
R2075	401 019 0904	CARBON 390Ω 1/4W J
R2078	401 022 5002	CARBON 680kΩ 1/4W J
R2079	401 018 2701	CARBON 330Ω 1/4W J
R2080	401 012 5609	CARBON 1kΩ 1/4W J
R2081	401 012 6903	CARBON 10kΩ 1/4W J
R2082	402 016 8702	FUSE 82Ω 1W J
R2083	402 016 8603	FUSE 68Ω 1W J
R2084	401 020 0702	CARBON 470Ω 1/4W J
R2087	401 021 0602	CARBON 56Ω 1/4W J
R2089	401 016 2505	CARBON 220Ω 1/4W J
R2092	401 013 6308	CARBON 12kΩ 1/4W J
R2093	401 013 6308	CARBON 12kΩ 1/4W J
R2094	401 012 6903	CARBON 10kΩ 1/4W J
R2095	401 021 1807	CARBON 560Ω 1/4W J
R2096	401 016 4707	CARBON 22kΩ 1/4W J
R2097	401 016 4707	CARBON 22kΩ 1/4W J
R2098	401 023 1607	CARBON 820Ω 1/4W J
R2099	401 012 5609	CARBON 1kΩ 1/4W J
R2100	401 014 2804	CARBON 150Ω 1/4W J
R2156	401 017 1705	CARBON 2.7kΩ 1/4W J
R2157	401 016 3700	CARBON 2.2kΩ 1/4W J
R2158	401 016 3700	CARBON 2.2kΩ 1/4W J
R2160	401 021 2903	CARBON 5.6kΩ 1/4W J
R2161	401 020 0702	CARBON 470Ω 1/4W J
R2170	401 021 2903	CARBON 5.6kΩ 1/4W J
R400	401 015 6405	CARBON 2.2Ω 1/4W J
R401	401 012 3308	CARBON 10Ω 1/4W J
R402	401 012 3308	CARBON 10Ω 1/4W J
R403	401 021 4006	CARBON 56kΩ 1/4W J
R404	401 021 4006	CARBON 56kΩ 1/4W J
R405	401 017 1705	CARBON 2.7kΩ 1/4W J
R406	401 017 1705	CARBON 2.7kΩ 1/4W J
R409	401 018 3708	CARBON 3.3kΩ 1/4W J
R410	401 016 4707	CARBON 22kΩ 1/4W J
R411	401 021 1807	CARBON 560Ω 1/4W J
R412	401 021 1807	CARBON 560Ω 1/4W J
R413	401 016 4707	CARBON 22kΩ 1/4W J
R414	401 016 4707	CARBON 22kΩ 1/4W J
R415	401 020 0702	CARBON 470Ω 1/4W J
R416	401 020 0702	CARBON 470Ω 1/4W J
R417	401 012 6903	CARBON 10kΩ 1/4W J
R418	401 012 6903	CARBON 10kΩ 1/4W J
R419	401 022 4005	CARBON 68kΩ 1/4W J
R420	401 012 6903	CARBON 10kΩ 1/4W J
R422	401 022 4005	CARBON 68kΩ 1/4W J

Schematic Location	Parts No.	Description
R423	401 012 6903	CARBON 10kΩ 1/4W J
R424	401 012 6903	CARBON 10kΩ 1/4W J
R425	401 022 1806	CARBON 680Ω 1/4W J
R426	401 022 1806	CARBON 680Ω 1/4W J
R427	401 020 2805	CARBON 47kΩ 1/4W J
R428	401 020 2805	CARBON 47kΩ 1/4W J
R429	401 017 1705	CARBON 2.7kΩ 1/4W J
R430	401 017 1705	CARBON 2.7kΩ 1/4W J
R431	401 018 3708	CARBON 3.3kΩ 1/4W J
R432	401 018 3708	CARBON 3.3kΩ 1/4W J
R433	401 019 8603	CARBON 430kΩ 1/4W J
R434	401 019 8603	CARBON 430kΩ 1/4W J
R435	401 023 4509	CARBON 820kΩ 1/4W J
R436	401 023 4509	CARBON 820kΩ 1/4W J
R439	401 012 5609	CARBON 1kΩ 1/4W J
R442	401 016 3700	CARBON 2.2kΩ 1/4W J
R443	401 021 4006	CARBON 56kΩ 1/4W J
R444	401 016 3700	CARBON 2.2kΩ 1/4W J
R445	401 021 4006	CARBON 56kΩ 1/4W J
R446	401 020 0702	CARBON 470Ω 1/4W J
R447	401 019 1802	CARBON 3.9kΩ 1/4W J
R448	401 019 1802	CARBON 3.9kΩ 1/4W J
R449	401 015 3701	CARBON 18kΩ 1/4W J
R451	401 014 5102	CARBON 15kΩ 1/4W J
R452	401 014 5102	CARBON 15kΩ 1/4W J
R453	401 012 6903	CARBON 10kΩ 1/4W J
R454	401 012 6903	CARBON 10kΩ 1/4W J
R455	401 018 4804	CARBON 33kΩ 1/4W J
R457	401 016 4707	CARBON 22kΩ 1/4W J
R458	401 016 4707	CARBON 22kΩ 1/4W J
R459	401 020 1907	CARBON 4.7kΩ 1/4W J
R461	401 016 4707	CARBON 22kΩ 1/4W J
R463	401 021 1807	CARBON 560Ω 1/4W J
R464	401 021 1807	CARBON 560Ω 1/4W J
R465	401 018 4804	CARBON 33kΩ 1/4W J
R466	401 018 4804	CARBON 33kΩ 1/4W J
R467	401 020 1907	CARBON 4.7kΩ 1/4W J
R468	401 020 1907	CARBON 4.7kΩ 1/4W J
R469	401 018 4804	CARBON 33kΩ 1/4W J
R470	401 018 4804	CARBON 33kΩ 1/4W J
R471	401 016 3700	CARBON 2.2kΩ 1/4W J
R472	401 016 3700	CARBON 2.2kΩ 1/4W J
R473	401 016 4707	CARBON 22kΩ 1/4W J
R474	401 016 4707	CARBON 22kΩ 1/4W J
R475	401 014 5102	CARBON 15kΩ 1/4W J
R477	401 018 4804	CARBON 33kΩ 1/4W J
R478	401 018 4804	CARBON 33kΩ 1/4W J
R479	401 012 5609	CARBON 1kΩ 1/4W J
R480	401 012 5609	CARBON 1kΩ 1/4W J
R481	401 016 4707	CARBON 22kΩ 1/4W J
R483	401 020 2805	CARBON 47kΩ 1/4W J
R484	401 020 2805	CARBON 47kΩ 1/4W J
R485	401 021 4006	CARBON 56kΩ 1/4W J
R486	401 021 4006	CARBON 56kΩ 1/4W J
R487	401 021 4006	CARBON 56kΩ 1/4W J
R488	401 021 4006	CARBON 56kΩ 1/4W J
R490	401 016 4707	CARBON 22kΩ 1/4W J
R491	401 016 3700	CARBON 2.2kΩ 1/4W J
R492	401 016 3700	CARBON 2.2kΩ 1/4W J
R493	401 015 1509	CARBON 180Ω 1/4W J
R494	401 020 0702	CARBON 470Ω 1/4W J
R495	401 018 3708	CARBON 3.3kΩ 1/4W J
R496	401 012 6903	CARBON 10kΩ 1/4W J
R497	401 022 4005	CARBON 68kΩ 1/4W J
R498	401 016 4707	CARBON 22kΩ 1/4W J
R499	401 016 3700	CARBON 2.2kΩ 1/4W J
T401	4-2584-00170	70kHz OSC BLOCK

Schematic Location	Parts No.	Description
TP401	4-2374-00030	(PINS) TEST POINT PIN
TP402	4-2374-00030	TEST POINT PIN
TP403	4-2374-00030	TEST POINT PIN
TP404	4-2374-00030	TEST POINT PIN
TP405	4-2374-00030	TEST POINT PIN
TP406	4-2374-00030	TEST POINT PIN
TP407	4-2374-00030	TEST POINT PIN
TP408	4-2374-00030	TEST POINT PIN
TP409	4-2374-00030	TEST POINT PIN
TP410	4-2374-00030	TEST POINT PIN
TP411	4-2374-00030	TEST POINT PIN
VR201	4-2224-00620	(VARIABLE RESISTORS) SEMI 1kΩ
VR202	4-2224-00640	SEMI 2.2kΩ
VR401	4-2224-00640	SEMI 2.2kΩ
VR402	4-2224-00640	SEMI 2.2kΩ
VR403	4-2224-00440	SEMI 47kΩ
VR404	4-2224-00440	SEMI 47kΩ
VR405	4-2224-00690	SEMI 22kΩ
VR406	4-2224-00690	SEMI 22kΩ
VR407	4-2224-00710	SEMI 100kΩ
VR408	4-2224-00710	SEMI 100kΩ
W4201	0-4053-00200	CORD ASSY
	143-2-3504-10200	SHIELD TOP-HAL

AUDIO MUTE P.C.B. PARTS

Schematic Location	Parts No.	Description
	0-4014-03631	AUDIO MUTE PC ASSY
C4001	C1ALEM476A	(CAPACITORS) ELECT 47μF 10V M
C4002	C1EBDK473SR	SEMI 0.047μF 25V K
C4003	C1CLEM107A	ELECT 100μF 16V M
C4004	C1HYDK102B	CERAM 0.001μF 50V K
D420 or	DGGMA01-L DY1SS133	(DIODES) DIODE GMA01-L DIODE 1SS133
IC410	ITTA7324P	(IC) IC TA7324P
PB412 PB413	4-2364-00240 4-2364-00230	(PLUGS) 4P PLUG VERTICAL 3P PLUG VERTICAL
Q430 or or	TG2SC536SP TN2SC945 TY2SC1740	(TRANSISTORS) TR 2SC536SP(F)or(G) TR 2SC945(K)or(P) TR 2SC1740(R)or(S)
R4001	401 019 2908	(RESISTORS) CARBON 39kΩ 1/4W J
R4002	401 014 5102	CARBON 15kΩ 1/4W J
R4003	401 018 2701	CARBON 330Ω 1/4W J
R4004	401 022 4005	CARBON 68kΩ 1/4W J
R4005	401 012 8006	CARBON 100kΩ 1/4W J
R4006	401 014 6000	CARBON 150kΩ 1/4W J
R4007	401 012 8006	CARBON 100kΩ 1/4W J
R4008	401 016 4707	CARBON 22kΩ 1/4W J

Schematic Location	Parts No.	Description
	0-4014-03453	SYSCON SERVO PC ASSY
		(CAPACITORS)
C5003	C1CLEM226A	ELECT 22μF 16V M
C5004	C0JLEM477A	ELECT 470μF 6.3V M
C5007	C1HCDJ330CH	CERAM 33pF 50V J
C5008	C1HCDJ470CH	CERAM 47pF 50V J
C5009	C1EBDK103SR	SEMI 0.01μF 25V K
C5010	C0JLEM477A	ELECT 470μF 6.3V M
C5011	C1EBDK473SR	SEMI 0.047μF 25V K
C5012	C1EBDK473SR	SEMI 0.047μF 25V K
C5013	C1EBDK473SR	SEMI 0.047μF 25V K
C5014	C1HYDZ103F	CERAM 0.01μF 50V Z
C5015	C0JLEM108A	ELECT 1000μF 6.3V M
C5016	C1EBDK473SR	SEMI 0.047μF 25V K
C5017	C1HYDZ103F	CERAM 0.01μF 50V Z
C5018	C1EBDK104SR	SEMI 0.1μF 25V K
C5019	C1ELEM227A	ELECT 220μF 25V M
C5020	C1HLEM105A	ELECT 1μF 50V M
C5021	C1HYDZ223F	CERAM 0.022μF 50V Z
C5031	C1EBDK223SR	SEMI 0.022μF 25V K
C5032	C1EBDK153SR	SEMI 0.015μF 25V K
C7001	C1HFRK473C	MYLAR 0.047μF 50V K
C7002	C1HLEM105A	ELECT 1μF 50V M
C7004	C1HAEM105A	ELECT 1μF 50V M
C7005	C1HFRK473C	MYLAR 0.047μF 50V K
C7006	C1HFRK473C	MYLAR 0.047μF 50V K
C7007	C1HYDZ223F	CERAM 0.022μF 50V Z
C7008	C0JLEM107A	ELECT 100μF 6.3V M
C7009	C1CLEM106A	ELECT 10μF 16V M
C7011	C1ELEM475A	ELECT 4.7μF 25V M
C7012	C1HFRJ563C	MYLAR 0.056μF 50V J
C7013	C0JLEM477A	ELECT 470μF 6.3V M
C7014	C1EBDK273SR	SEMI 0.027μF 25V K
C7015	C1EBDK103SR	SEMI 0.01μF 25V K
C7016	C1HLEM105A	ELECT 1μF 50V M
C7017	C1HLEM105A	ELECT 1μF 50V M
C7018	C1HFRK683C	MYLAR 0.068μF 50V K
C7019	C1ELEM475A	ELECT 4.7μF 25V M
C7021	C1CHEK106A	ELECT 10μF 16V K
C7022	C1CHEK106A	ELECT 10μF 16V K
C7023	C1HFRK153C	MYLAR 0.015μF 50V K
C7024	C1HFRJ562B	MYLAR 0.0056μF 50V J
C7025	C1HFRK333C	MYLAR 0.033μF 50V K
C7026	C1CLEM106A	ELECT 10μF 16V M
C7027	C1CHEK106A	ELECT 10μF 16V K
C7028	C1HFRK473C	MYLAR 0.047μF 50V K
C7029	C1HFRK153C	MYLAR 0.015μF 50V K
C7030	C1CHEK106A	ELECT 10μF 16V K
C7031	C1HFRK473C	MYLAR 0.047μF 50V K
C7032	C1HCDJ470SL	CERAM 47pF 50V J
C7033	C1EBDK272SR	SEMI 0.0027μF 25V K
C7034	C1HYDZ223F	CERAM 0.022μF 50V Z
C7036	C1HFRK273C	MYLAR 0.027μF 50V K
C7037	C1HFRK273C	MYLAR 0.027μF 50V K
C7039	C1HFRK562C	MYLAR 0.0056μF 50V K
C7041	C1HFRK682C	MYLAR 0.0068μF 50V K
C7042	C1HFRK472C	MYLAR 0.0047μF 50V K
C7043	C1HLEM105A	ELECT 1μF 50V M
C7044	C1EBDK103SR	SEMI 0.01μF 25V K
C7045	C1HFRK152C	MYLAR 0.0015μF 50V K
C7046	C1EBDK473SR	SEMI 0.047μF 25V K
C7047	C1HFRK152C	MYLAR 0.0015μF 50V K
C7048	C1HFRK153C	MYLAR 0.015μF 50V K
C7049	C1HLEM105A	ELECT 1μF 50V M
C7050	C1HYDZ223F	CERAM 0.022μF 50V Z
C7051	C1HCDJ101SL	CERAM 100pF 50V J
C7052	C1HLEM105A	ELECT 1μF 50V M

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Schematic Location	Parts No.	Description
R5074	401 012 6903	CARBON 10kΩ 1/4W J
R5075	401 012 6903	CARBON 10kΩ 1/4W J
R5076	401 016 3700	CARBON 2.2kΩ 1/4W J
R5077	401 012 6903	CARBON 10kΩ 1/4W J
R5078	401 016 3700	CARBON 2.2kΩ 1/4W J
R5079	401 012 8006	CARBON 100kΩ 1/4W J
R5081	401 020 3802	CARBON 470kΩ 1/4W J
R5082	401 016 4707	CARBON 22kΩ 1/4W J
R5083	401 023 3601	CARBON 82kΩ 1/4W J
R5084	401 020 2805	CARBON 47kΩ 1/4W J
R5085	401 012 8006	CARBON 100kΩ 1/4W J
R5086	401 012 8006	CARBON 100kΩ 1/4W J
R5087	401 012 8006	CARBON 100kΩ 1/4W J
R5088	401 012 8006	CARBON 100kΩ 1/4W J
R5089	401 012 8006	CARBON 100kΩ 1/4W J
R5093	401 017 1705	CARBON 2.7kΩ 1/4W J
R5094	401 017 1705	CARBON 2.7kΩ 1/4W J
R5095	401 017 1705	CARBON 2.7kΩ 1/4W J
R5096	401 017 1705	CARBON 2.7kΩ 1/4W J
R5097	401 012 6903	CARBON 10kΩ 1/4W J
R7001	401 016 3700	CARBON 2.2kΩ 1/4W J
R7002	401 018 5702	CARBON 330kΩ 1/4W J
R7003	401 012 6903	CARBON 10kΩ 1/4W J
R7004	401 018 2701	CARBON 330Ω 1/4W J
R7005	401 014 4006	CARBON 1.5kΩ 1/4W J
R7006	401 016 4707	CARBON 22kΩ 1/4W J
R7007	401 012 6903	CARBON 10kΩ 1/4W J
R7008	401 018 2701	CARBON 330Ω 1/4W J
R7009	401 014 5102	CARBON 15kΩ 1/4W J
R7010	401 016 3700	CARBON 2.2kΩ 1/4W J
R7011	401 012 6903	CARBON 10kΩ 1/4W J
R7012	401 012 5609	CARBON 1kΩ 1/4W J
R7013	401 012 5609	CARBON 1kΩ 1/4W J
R7014	401 012 6903	CARBON 10kΩ 1/4W J
R7015	401 012 9201	CARBON 1MΩ 1/4W J
R7016	401 012 8006	CARBON 100kΩ 1/4W J
R7017	401 021 4006	CARBON 56kΩ 1/4W J
R7018	401 019 1802	CARBON 3.9kΩ 1/4W J
R7019	401 019 3905	CARBON 390kΩ 1/4W J
R7020	401 021 4006	CARBON 56kΩ 1/4W J
R7021	401 012 6903	CARBON 10kΩ 1/4W J
R7022	401 012 6903	CARBON 10kΩ 1/4W J
R7023	401 012 6903	CARBON 10kΩ 1/4W J
R7024	401 012 6903	CARBON 10kΩ 1/4W J
R7025	401 014 5102	CARBON 15kΩ 1/4W J
R7026	401 012 8006	CARBON 100kΩ 1/4W J
R7027	401 019 2908	CARBON 39kΩ 1/4W J
R7028	401 018 3708	CARBON 3.3kΩ 1/4W J
R7029	401 020 2805	CARBON 47kΩ 1/4W J
R7031	401 020 2805	CARBON 47kΩ 1/4W J
R7032	401 021 4907	CARBON 560kΩ 1/4W J
R7033	401 020 3802	CARBON 470kΩ 1/4W J
R7034	401 020 1907	CARBON 4.7kΩ 1/4W J
R7035	401 022 3008	CARBON 6.8kΩ 1/4W J
R7036	401 014 2804	CARBON 150Ω 1/4W J
R7037	401 018 4804	CARBON 33kΩ 1/4W J
R7038	401 018 4804	CARBON 33kΩ 1/4W J
R7040	401 020 0702	CARBON 470Ω 1/4W J
R7041	401 013 6308	CARBON 12kΩ 1/4W J
R7043	401 013 6308	CARBON 12kΩ 1/4W J
R7044	401 022 4005	CARBON 68kΩ 1/4W J
R7045	401 018 3708	CARBON 3.3kΩ 1/4W J
R7046	401 014 4006	CARBON 1.5kΩ 1/4W J
R7048	401 020 2805	CARBON 47kΩ 1/4W J
R7049	401 022 4005	CARBON 68kΩ 1/4W J
R7051	401 015 3701	CARBON 18kΩ 1/4W J
R7052	401 019 2908	CARBON 39kΩ 1/4W J
R7053	401 017 2702	CARBON 27kΩ 1/4W J

Schematic Location	Parts No.	Description
R7055	401 014 5102	CARBON 15kΩ 1/4W J
R7056	401 020 2805	CARBON 47kΩ 1/4W J
R7057	401 016 3700	CARBON 2.2kΩ 1/4W J
R7058	401 012 6903	CARBON 10kΩ 1/4W J
R7059	401 012 6903	CARBON 10kΩ 1/4W J
R7060	401 012 6903	CARBON 10kΩ 1/4W J
R7061	401 019 2908	CARBON 39kΩ 1/4W J
R7062	401 012 6903	CARBON 10kΩ 1/4W J
R7063	401 012 6903	CARBON 10kΩ 1/4W J
R7064	401 012 6903	CARBON 10kΩ 1/4W J
R7065	401 021 2903	CARBON 5.6kΩ 1/4W J
R7066	401 012 9201	CARBON 1MΩ 1/4W J
R7067	401 021 1807	CARBON 560Ω 1/4W J
R7068	401 023 4509	CARBON 820kΩ 1/4W J
R7069	401 019 1802	CARBON 3.9kΩ 1/4W J
R7071	401 021 1807	CARBON 560Ω 1/4W J
R7072	401 020 3802	CARBON 470kΩ 1/4W J
R7073	401 020 2805	CARBON 47kΩ 1/4W J
R7074	401 012 8006	CARBON 100kΩ 1/4W J
R7075	401 021 1807	CARBON 560Ω 1/4W J
R7076	401 022 4005	CARBON 68kΩ 1/4W J
R7081	401 020 3802	CARBON 470kΩ 1/4W J
(VARIABLE RESISTORS)		
VR701	4-2224-00710	SEMI 100kΩ
VR702	4-2224-00710	SEMI 100kΩ
VR705	4-2224-01540	SEMI 100kΩ
VR706	4-2224-00730	SEMI 470kΩ
W4301	0-4052-00900	CORD ASSY
W4302	0-4052-00910	CORD ASSY
W4303	0-4052-00920	CORD ASSY
W4304	0-4052-00930	CORD ASSY
W4305	0-4052-00940	CORD ASSY
W4306	0-4052-00950	CORD ASSY
X501	4-2584-00180	CERAMIC RESONATOR 4.00MHz
or	4-2584-00181	CERAMIC RESONATOR 4.00MHz
(ZENER DIODES)		
ZD501	DGGZA4.3-Y	ZENER DIODE GZA4.3-Y
ZD502	DGGZA8.2-Y	ZENER DIODE GZA8.2-Y
or	DMMA4082-M	ZENER DIODE MA4082-M
or	DYMTZ8.2-C	ZENER DIODE MTZ8.2-C

TUNER RF CONVERTER P.C.B. PARTS

Schematic Location	Parts No.	Description
	0-4034-00100	WIRE SHIELD ASSY
	0-4034-00130	WIRE SHIELD ASSY
	0-4064-00690	REAR TERMINAL BOARD ASSY
	0-4064-00060	FEEDER ASSY
	4-2374-00380	ANTENNA REAR TERMINAL BOARD
	4-2824-00010	ANTENNA TRANS 300 OHM
	4-1154-17965	TUNER IF UNIT
	4-1164-03162	RF CONVERTER
	4-2314-00420	SLIDE SWITCH 1-2
	4-2354-00580	1P JACK
	4-2354-00590	F SOCKET
	4-2364-00261	6P PLUG HORIZONTAL
	143-2-3504-04100	SHIELD CASE 03-A
	143-2-3504-04200	SHIELD COVER 03-A
	143-2-3504-04300	SHIELD COVER 03-B

KEY FUNCTION P.C.B. PARTS

Schematic Location	Parts No.	Description
	0-4014-03951	KEY FUNCTION PC ASSY
	0-4030-00340	1P CORD ASSY
	4-2374-00070	1P TERMINAL-D
	143-2-3504-09600	SHIELD BOTTOM IR-HAK
	143-2-3504-14300	SHIELD CASE IR-HAT
	143-2-5604-01900	SPACER IR-HAA
	143-2-5604-08600	SPACER LED SPD-HAL
	143-2-5604-08700	SPACER LED POWER-HAL
BR581 or	4-2214-00380 4-2214-00381	BLOCK RESIST SANYO 081 BLOCK RESIST SANYO-081
		(CAPACITORS)
C5801	C1EBDK102SR	SEMI 0.001 μ F 25V K
C5802	C1EBDK473SR	SEMI 0.047 μ F 25V K
C5803	C1CGEM106A	ELECT 10 μ F 16V M
C5804	C1HGEM225A	ELECT 2.2 μ F 50V M
C5805	COJGEM476A	ELECT 47 μ F 6.3V M
C5806	C1CGEM106A	ELECT 10 μ F 16V M
C5807	C1HYDZ103F	CERAM 0.01 μ F 50V Z
		(DIODES)
D5801	DYSLR-54UR	LED SLR-54UR
D5802	DYSLR-54UR	LED SLR-54UR
D5803	DYSLR-54UR	LED SLR-54UR
D5805	DYSLR-55MC	LED SLR-55MC
D5806	DYSLR-54UR	LED SLR-54UR
D5807	DYSLR-54UR	LED SLR-54UR
D5808	DYSLR-54UR	LED SLR-54UR
D5809	DYSLR-54UR	LED SLR-54UR
D5811	DESFH205	PH DI SFH205
D5812	DGGMA01	DIODE GMA01
or	DY1SS131	DIODE 1SS131
D5813	DGGMA01	DIODE GMA01
or	DY1SS131	DIODE 1SS131
IC581	IGLA7224	(IC) IC LA7224
		(COILS)
L581	4-2584-00080	COIL (38kHz)
or	4-2584-00081	COIL (38kHz)
		(PLUGS)
PB501	4-2364-00260	6P PLUG VERTICAL
PB502	4-2364-00220	2P PLUG VERTICAL
PB503	4-2364-00320	12P PLUG VERTICAL
PB505	4-2364-00230	3P PLUG VERTICAL
PB506	4-2364-00240	4P PLUG VERTICAL
		(RESISTORS)
R5801	401 051 7602	METAL 8.57k Ω 1/4W D
R5802	401 012 6903	CARBON 10k Ω 1/4W J
R5805	401 012 6903	CARBON 10k Ω 1/4W J
R5806	401 020 2805	CARBON 47k Ω 1/4W J
R5808	401 016 1409	CARBON 22 Ω 1/4W J
R5809	401 012 5609	CARBON 1k Ω 1/4W J
R5816	401 012 5609	CARBON 1k Ω 1/4W J
R5818	401 012 4404	CARBON 100 Ω 1/4W J
		(SWITCHES)
S581	4-2314-00580	SLIDE SWITCH 1-3
S582	4-2314-00680	SLIDE SWITCH 4-3
S584	4-2314-00310	KEY BOARD SWITCH
S585	4-2314-00310	KEY BOARD SWITCH
S586	4-2314-00310	KEY BOARD SWITCH
S587	4-2314-00310	KEY BOARD SWITCH

Schematic Location	Parts No.	Description
S588	4-2314-00310	KEY BOARD SWITCH
S589	4-2314-00310	KEY BOARD SWITCH
S591	4-2314-00310	KEY BOARD SWITCH
S592	4-2314-00310	KEY BOARD SWITCH
S593	4-2314-00310	KEY BOARD SWITCH
		(VARIABLE RESISTORS)
VR581	4-2224-01420	VR 500k Ω X1

TIMER P.C.B. PARTS

Schematic Location	Parts No.	Description
	0-4014-03962	TIMER PC ASSY
	143-2-3304-03200	BASE FL MTG-HAW
		(CAPACITORS)
C1501	C1HCDJ101SL	CERAM 100pF 50V J
C1502	C1HCDJ101SL	CERAM 100pF 50V J
C1503	C1VLEM336A	ELECT 33 μ F 35V M
C1504	C1ELEM227A	ELECT 220 μ F 25V M
C1506	C1HYDZ103F	CERAM 0.01 μ F 50V Z
C1507	C1HYDZ103F	CERAM 0.01 μ F 50V Z
C1508	C1EBDK223SR	SEMI 0.022 μ F 25V K
C1509	C1EBDK223SR	SEMI 0.022 μ F 25V K
C1511	COJLEM107A	ELECT 100 μ F 6.3V M
C1512	C1HYDZ103F	CERAM 0.01 μ F 50V Z
C1513	COLDemo25T	ELECT 0.047F 5.5V M
or	COLDemo26T	ELECT 0.047F 5.5 V
C1514	C1EBDK223SR	SEMI 0.022 μ F 25V K
		(DIODES)
D1501	DFERA81-004	SI DIODE ERA81-004
D1502	DGGMA01	DIODE GMA01
or	DY1SS131	DIODE 1SS131
D1503	DGGMA01	DIODE GMA01
or	DY1SS131	DIODE 1SS131
D1504	DGGMA01	DIODE GMA01
or	DY1SS131	DIODE 1SS131
D1505	DGGMA01	DIODE GMA01
or	DY1SS131	DIODE 1SS131
D1506	DGGMA01	DIODE GMA01
or	DY1SS131	DIODE 1SS131
D1507	DGGMA01	DIODE GMA01
or	DY1SS131	DIODE 1SS131
D1508	DGGMA01	DIODE GMA01
or	DY1SS131	DIODE 1SS131
D1509	DGGMA01	DIODE GMA01
or	DY1SS131	DIODE 1SS131
D1511	DGGMA01	DIODE GMA01
or	DY1SS131	DIODE 1SS131
D1512	DGGMA01	DIODE GMA01
or	DY1SS131	DIODE 1SS131
D1529	DYSLR-55MC	LED SLR-55MC
FL151	4-2154-00150	DIGITRON
		(ICS)
IC151	IGLC6514B3078	IC LC6514B3078
IC152	IMMN1280-M	IC MN1280-M
or	ISS-8053ALR	IC S-8053ALR
		(PLUGS)
PA103	4-2364-00220	2P PLUG VERTICAL
PA105	4-2364-00290	9P PLUG VERTICAL
PA111	4-2364-00220	2P PLUG VERTICAL

Schematic Location	Parts No.	Description
Q1501 or or or Q1502 or or or Q1503 or	TG2SC536NP TG2SC536SP TN2SC945 TY2SC1740 TG2SC536NP TG2SC536SP TN2SC945 TY2SC1740 TG2SA1345 TYDTA144S	(TRANSISTORS) TR 2SC536NP(F)or(G) TR 2SC536SP(F)or(G) TR 2SC945(K)or(P) TR 2SC1740(R)or(S) TR 2SC536NP(F)or(G) TR 2SC536SP(F)or(G) TR 2SC945(K)or(P) TR 2SC1740(R)or(S) DIGI TR 2SA1345 DIGI TR DTA144S
R1501 R1502 R1503 R1504 R1505 R1506 R1507 R1508 R1509 R1511 R1512 R1513 R1514 R1515 R1516 R1517 R1518 R1519 R1521 R1522 R1523 R1524 R1525 R1526 R1527 R1528 R1529 R1551	401 012 9201 401 014 4006 401 020 2805 401 012 6903 401 012 6903 401 012 8006 401 021 4006 401 015 4609 401 015 4609 401 018 5702 401 016 4707 401 016 4707 401 016 4707 401 016 4707 401 013 5202 401 013 5202 401 013 5202 401 016 4707 401 016 4707 401 016 4707 401 016 4707 401 018 4804 401 018 4804 401 018 4804 401 018 4804 401 018 4804 401 016 4707 401 012 4404 401 014 4006	(RESISTORS) CARBON 1M Ω 1/4W J CARBON 1.5k Ω 1/4W J CARBON 47k Ω 1/4W J CARBON 10k Ω 1/4W J CARBON 10k Ω 1/4W J CARBON 100k Ω 1/4W J CARBON 56k Ω 1/4W J CARBON 180k Ω 1/4W J CARBON 180k Ω 1/4W J CARBON 330k Ω 1/4W J CARBON 22k Ω 1/4W J CARBON 22k Ω 1/4W J CARBON 22k Ω 1/4W J CARBON 22k Ω 1/4W J CARBON 1.2k Ω 1/4W J CARBON 1.2k Ω 1/4W J CARBON 1.2k Ω 1/4W J CARBON 22k Ω 1/4W J CARBON 22k Ω 1/4W J CARBON 22k Ω 1/4W J CARBON 22k Ω 1/4W J CARBON 33k Ω 1/4W J CARBON 33k Ω 1/4W J CARBON 33k Ω 1/4W J CARBON 33k Ω 1/4W J CARBON 33k Ω 1/4W J CARBON 22k Ω 1/4W J CARBON 100 Ω 1/4W J CARBON 1.5k Ω 1/4W J
S1501 S1502 S1503 S1504 S1505 S1506 S1507 S1508 S1509 S1511 S1512 S1513 S1514 S1515 S1516 S1517 S1518 S1519	4-2314-00570 4-2314-00580 4-2314-00400 4-2314-00400 4-2314-00400 4-2314-00400 4-2314-00400 4-2314-00400 4-2314-00400 4-2314-00400 4-2314-00400 4-2314-00400 4-2314-00400 4-2314-00400 4-2314-00400 4-2314-00400 4-2314-00490 4-2314-00570	(SWITCHES) SLIDE SWITCH 1-2 SLIDE SWITCH 1-3 KEY BOARD SWITCH KEY BOARD SWITCH KEY BOARD SWITCH KEY BOARD SWITCH KEY BOARD SWITCH KEY BOARD SWITCH KEY BOARD SWITCH KEY BOARD SWITCH KEY BOARD SWITCH KEY BOARD SWITCH KEY BOARD SWITCH KEY BOARD SWITCH KEY BOARD SWITCH KEY BOARD SWITCH PUSH SWITCH 1KEY SLIDE SWITCH 1-2
TP151 TP152	4-2374-00030 4-2374-00030	(PINS) TEST POINT PIN TEST POINT PIN
W4801 W4802	316-3-0901-00353 316-3-0901-00353	UL2773 (2.0) 7S UL2773 (2.0) 7S

Schematic Location	Parts No.	Description
W4803	0-4057-00380	CORD ASSY
X151	4-2584-00240	CERAMIC RESONATOR 1.0MHz
ZD151 or ZD152 or	DGGZM24-B2 DYMTZ24-C DGGZM6.8-B2 DYMTZ6.8-C	(ZENER DIODES) ZENER DIODE GZM24-B2 ZENER DIODE MTZ24-C ZENER DIODE GZM6.8-B2 ZENER DIODE MTZ6.8-C
	0-4014-04101	FREQUENCY SYNTHESIZER PC ASSY
	143-2-3504-14400	SHIELD CASE F/S-HAT-B
	143-2-3504-14500	SHIELD TOP F/SYN-HAT-B
	143-2-3504-14600	SHIELD BOTTOM F/SYN-HAT-B
	143-2-3504-15100	SHIELD BOTTOM F/SYN LARGE
C1001 C1002 C1003 C1004 C1005 C1006 C1007 C1008 C1009 C1011 C1012 C1013 C1014 C1015 C1016 C1017 C1018 C1019 C1021 C1022 C1023 C1024 C1025 C1026 C1027	C1HLEM226A C1HYDK103B C1HLEM226A C1HYDZ103F C1EBDK103SR C1ALEM476A C1EBDK223SR C1HFRJ104C C1HFRJ104C C1HYDK331B C1EBDK473SR C1HLEM106A C1HYDK102B C1HCDJ330CH C1HCDJ330CH C1EBDK103SR C1HCDJ330CH C1HCDJ330CH C1EBDK102SR C1EBDK102SR C1EBDK102SR C1HFRJ472C C1HPRJ224A C1HLEM226A C1HYDZ473F	(CAPACITORS) ELECT 22 μ F 50V M CERAM 0.01 μ F 50V K ELECT 22 μ F 50V M CERAM 0.01 μ F 50V Z SEMI 0.01 μ F 25V K ELECT 47 μ F 10V M SEMI 0.022 μ F 25V K MYLAR 0.1 μ F 50V J MYLAR 0.1 μ F 50V J CERAM 330pF 50V K SEMI 0.047 μ F 25V K ELECT 1 μ F 50V M CERAM 0.001 μ F 50V K CERAM 33pF 50V J CERAM 33pF 50V J SEMI 0.01 μ F 25V K CERAM 33pF 50V J CERAM 33pF 50V J SEMI 0.001 μ F 25V K SEMI 0.001 μ F 25V K SEMI 0.001 μ F 25V K MYLAR 0.0047 μ F 50V J M-FIL 0.22 μ F 50V J ELECT 22 μ F 50V M CERAM 0.047 μ F 50V Z
D1003 or D1005 or D1008 or D1009 or D1011 or D1012 or D1013 or D1014 or	DGGMA01 DY1SS131 DGGMA01 DY1SS131 DGGMA01 DY1SS131 DGGMA01 DY1SS131 DGGMA01 DY1SS131 DGGMA01 DY1SS131 DGGMA01 DY1SS131	(DIODES) DIODE GMA01 DIODE 1SS131 DIODE GMA01 DIODE 1SS131 DIODE GMA01 DIODE 1SS131 DIODE GMA01 DIODE 1SS131 DIODE GMA01 DIODE 1SS131 DIODE GMA01 DIODE 1SS131 SI DIODE GMA01 DIODE 1SS131
IC101 IC102 IC103 IC104 or	IWM50434-025S ITTD6350P IGLA7910 IMMN1280-S ISS-8054ALR	(ICS) PLL CTL CPU PLL IC IC LA7910 IC MN1280-S IC S-8054ALR

Schematic Location	Parts No.	Description
L1001	4-2724-E101K	(COIL) INDUCTOR 100 μ H
PB101	4-2364-00280	(PLUGS) 8P PLUG VERTICAL
PB102	4-2364-00220	2P PLUG VERTICAL
PB103	4-2364-00220	2P PLUG VERTICAL
PB104	4-2364-00240	4P PLUG VERTICAL
PB105	4-2364-00230	3P PLUG VERTICAL
PB107	4-2364-00270	7P PLUG VERTICAL
PJ101	4-2354-00640	RCA JACK
Q1001 or Q1002 Q1003 Q1004 Q1005 Q1006 Q1007 Q1008 Q1009 Q1011 Q1012	TG2SC2274 TN2SC2002 TG2SC3402 TG2SC3402 TG2SC3402 TG2SC3402 TT2SK246-Y TG2SC536KN TG2SA608SP TG2SC3400 TG2SA608SP TG2SC536SP	(TRANSISTORS) TR 2SC2274(E)or(F) TR 2SC2002(L)or(M) DIGI TR 2SC3402 DIGI TR 2SC3402 DIGI TR 2SC3402 DIGI TR 2SC3402 FET 2SK246(Y) TR 2SC536KN(PF)or(PG) TR 2SA608SP(F)or(G) DIGI TR 2SC3400 TR 2SA608SP(F)or(G) TR 2SC536SP(F)or(G)
R1001 R1002 R1003 R1004 R1005 R1006 R1007 R1008 R1009 R1011 R1012 R1013 R1014 R1015 R1016 R1017 R1018 R1019 R1021 R1022 R1023 R1024 R1025 R1026 R1027 R1028 R1029 R1031 R1032 R1033 R1034 R1035 R1036 R1037 R1038 R1039 R1041 R1042 R1043 R1044 R1045	401 016 2505 401 015 2605 401 042 9905 401 046 2902 401 050 0208 401 042 2401 401 016 2505 401 016 2505 401 012 6903 401 012 6903 401 012 6903 401 018 4804 401 018 4804 401 020 2805 401 020 2805 401 020 2805 401 020 2805 401 012 8006 401 014 4006 401 021 4006 401 020 2805 401 012 6903 401 020 2805 401 020 2805 401 020 1907 401 016 4707 401 021 2903 401 019 1802 401 018 4804 401 019 3905 401 017 3709 401 016 2505 401 012 5609 401 012 5609 401 012 6903 401 019 2908 401 016 3700 401 012 4404 401 014 4006 401 021 2903 401 021 2903	(RESISTORS) CARBON 220 Ω 1/4W J CARBON 1.8k Ω 1/4W J METAL 14.9k Ω 1/4W D METAL 29.9k Ω 1/4W D METAL 59.9k Ω 1/4W D METAL 120k Ω 1/4W D CARBON 220 Ω 1/4W J CARBON 220 Ω 1/4W J CARBON 10k Ω 1/4W J CARBON 10k Ω 1/4W J CARBON 10k Ω 1/4W J CARBON 33k Ω 1/4W J CARBON 33k Ω 1/4W J CARBON 47k Ω 1/4W J CARBON 47k Ω 1/4W J CARBON 47k Ω 1/4W J CARBON 47k Ω 1/4W J CARBON 100k Ω 1/4W J CARBON 1.5k Ω 1/4W J CARBON 56k Ω 1/4W J CARBON 47k Ω 1/4W J CARBON 10k Ω 1/4W J CARBON 47k Ω 1/4W J CARBON 47k Ω 1/4W J CARBON 4.7k Ω 1/4W J CARBON 22k Ω 1/4W J CARBON 5.6k Ω 1/4W J CARBON 3.9k Ω 1/4W J CARBON 33k Ω 1/4W J CARBON 390k Ω 1/4W J CARBON 270k Ω 1/4W J CARBON 220 Ω 1/4W J CARBON 1k Ω 1/4W J CARBON 1k Ω 1/4W J CARBON 10k Ω 1/4W J CARBON 39k Ω 1/4W J CARBON 2.2k Ω 1/4W J CARBON 100 Ω 1/4W J CARBON 1.5k Ω 1/4W J CARBON 5.6k Ω 1/4W J CARBON 5.6k Ω 1/4W J

Schematic Location	Parts No.	Description
R1046 R1047 R1048 R1049 R1051 R1052 R1053	401 012 6903 401 012 6903 401 012 6903 401 012 6903 401 020 1907 401 015 3701 401 013 5202	CARBON 10k Ω 1/4W J CARBON 10k Ω 1/4W J CARBON 10k Ω 1/4W J CARBON 10k Ω 1/4W J CARBON 4.7k Ω 1/4W J CARBON 18k Ω 1/4W J CARBON 1.2k Ω 1/4W J
X1001 or X1002 or	4-2584-00180 4-2584-00181 4-2254-00080 4-2254-00081	CERAMIC RESONATOR 4.00MHZ CERAMIC RESONATOR 4.00MHZ CRYSTAL 4.000MHZ CRYSTAL 4.000MHZ
ZD101	DGGZA33-Y	(ZENER DIODES) ZENER DIODE GZA33-Y

POWER CIRCUIT P.C.B. PARTS

Schematic Location	Parts No.	Description
	0-4014-03402	POWER A PC ASSY
	0-4030-00090 4-2374-00070 4-2354-00200	1P CORD ASSY D 1P TERMINAL-D FUSE CLIP
C902 C903 Δ C904 C905 C906 Δ C907 Δ C909 C911 C912 C915	C1HYDZ472F C1ELEM478A C1CLEM108A C2HYDK471B C1JREM227A C1JREM106A C1ELEM227A C1CLEM106A C1CLEM106A C1EBDK472SR	(CAPACITORS) CERAM 0.0047 μ F 50V Z ELECT 4700 μ F 25V M ELECT 1000 μ F 16V M CERAM 470pF 500V K ELECT 220 μ F 63V M ELECT 10 μ F 63V M ELECT 220 μ F 25V M ELECT 10 μ F 16V M ELECT 10 μ F 16V M SEMI 0.0047 μ F 25V K
D901 Δ or D902 Δ or D903 Δ or D904 Δ or D905 Δ or D906 Δ or D907 Δ or F901 Δ	DFERC04-02 DGDSB15C DFERC04-02 DGDSB15C DFERC04-02 DGDSB15C DFERC04-02 DGDSB15C DFERB12-02 DGDSF10C DFERB12-02 DGDSF10C DFERB12-02 DGDSF10C 4-2344-00010	(DIODES) DIODE ERC04-02 DIODE DSB15C DIODE ERC04-02 DIODE DSB15C DIODE ERC04-02 DIODE DSB15C DIODE ERC04-02 DIODE DSB15C DIODE ERB12-02 DIODE DSF10C DIODE ERB12-02 DIODE DSF10C DIODE ERB12-02 DIODE DSF10C FUSE 1.5A UL
PA901 PA902 PA903 PA905 PA907 PA908 PA909	4-2364-00020 4-2364-00240 4-2364-00280 4-2364-00230 4-2364-00270 4-2364-00220 4-2364-00220	(PLUGS) 2P PLUG VERTICAL 4P PLUG VERTICAL 8P PLUG VERTICAL 3P PLUG VERTICAL 7P PLUG VERTICAL 2P PLUG VERTICAL 2P PLUG VERTICAL
Q901	TG2SB764	(TRANSISTORS) TR 2SB764(F)

Schematic Location	Parts No.	Description
Q902 or Q903 or Q904 Q905	TG2SC536SP TN2SC945 TG2SC536SP TN2SC945 TG2SA984 TG2SD894	TR 2SC536SP(F) TR 2SC945(P) TR 2SC536SP(F) TR 2SC945(P) TR 2SA984(E)or(F) DIGI TR 2SD894
		(RESISTORS)
R901 Δ	402 013 9108	SOLID 2.7M Ω 1/2W K
R902	401 014 4006	CARBON 1.5k Ω 1/4W J
R903	401 021 2903	CARBON 5.6k Ω 1/4W J
R904	401 020 2805	CARBON 47k Ω 1/4W J
R905	401 015 4609	CARBON 180k Ω 1/4W J
R906	401 020 1907	CARBON 4.7k Ω 1/4W J
R907	401 012 6903	CARBON 10k Ω 1/4W J
R909	401 008 7501	CARBON 2.2k Ω 1/2W J
R913	401 018 5702	CARBON 330k Ω 1/4W J
R914	401 014 5102	CARBON 15k Ω 1/4W J
R915	401 012 5609	CARBON 1k Ω 1/4W J
R916	401 012 6903	CARBON 10k Ω 1/4W J
R917	401 017 2702	CARBON 27k Ω 1/4W J
R918	401 012 6903	CARBON 10k Ω 1/4W J
	0-4014-03410	POWER B PC ASSY
		(CAPACITORS)
C913	C1CLEM106A	ELECT 10 μ F 16V M
C914	C1CLEM106A	ELECT 10 μ F 16V M
		(PIN)
TP901	4-2374-00030	TEST POINT PIN
W4401	0-4052-00960	CORD ASSY
Δ	0-4054-00150	POWER CORD ASSY US
		(IC)
IC901	IGSTK5461ST	H/B IC STK5461ST
T901 Δ	4-2514-01101	POWER TRANSFORMER

MECHA TERMINATE P.C.B. PARTS

Schematic Location	Parts No.	Description
	0-4014-03170	MECHA TERMINATE PC ASSY
		(PLUGS)
PA801	4-2364-00241	4P PLUG HORIZONTAL
PA804	4-2364-00291	9P PLUG HORIZONTAL
PA805	4-2364-00271	7P PLUG HORIZONTAL
PA806	4-2364-00261	6P PLUG HORIZONTAL
PA808	4-2364-00230	3P PLUG VERTICAL
PA809	4-2364-00220	2P PLUG VERTICAL
PA810	4-2364-00230	3P PLUG VERTICAL
PA811	4-2364-00220	2P PLUG VERTICAL
PA812	4-2364-00220	2P PLUG VERTICAL
PA813	4-2364-00220	2P PLUG VERTICAL
PA814	4-2364-00220	2P PLUG VERTICAL
		(RESISTORS)
R8001	401 013 4106	CARBON 120 Ω 1/4W J
R8002	401 020 0702	CARBON 470 Ω 1/4W J
W2201	0-4057-00250	CORD ASSY
W2202	0-4052-00810	CORD ASSY

Schematic Location	Parts No.	Description
W2203	0-4052-00820	CORD ASSY



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