

Service Manual

Model

D-5


DIGITAL MASTER RECORDER

FOSTEX®



CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK).
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

CAUTION:
TO PREVENT ELECTRIC SHOCK, MATCH
WIDE BLADE OF PLUG TO WIDE SLOT,
FULLY INSERT.

ATTENTION:
POUR ÉVITER LES CHOCs ÉLECTRIQUES,
INTRODUIRE LA LAME LA PLUS LARGE
DE LA FICHE DANS LA BORNE CORRE-
SPONDANTE DE LA PRISE ET POUSSER
JUSQ' AU FOND.



The lightning flash with the arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

"WARNING"

"TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK,
DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE."

SAFETY INSTRUCTIONS

1. Read Instructions – All the safety and operating instructions should be read before the appliance is operated.
2. Retain Instructions – The safety and operating instructions should be retained for future reference.
3. Heed Warnings – All warnings on the appliance and in the operating instructions should be adhered to.
4. Follow Instructions – All operating and use instructions should be followed.
5. Water and Moisture – The appliance should not be used near water – for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, and the like.
6. Carts and Stands – The appliance should be used only with a cart or stand that is recommended by the manufacturer.



A appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.

7. Wall or Ceiling Mounting – The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.
8. Ventilation – The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.

9. Heat – The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
10. Power Sources – The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.
11. Grounding or Polarization – The precautions that should be taken so that the grounding or polarization means of an appliance is not defeated.
12. Power Cord Protection – Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.
13. Cleaning – The appliance should be cleaned only as recommended by the manufacturer.
14. Nonuse Periods – The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.
15. Object and Liquid Entry – Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
16. Damage Requiring Service – The appliance should be serviced by qualified service personnel when:
 - A. The power supply cord or the plug has been damaged; or
 - B. Objects have fallen, or liquid has been spilled into the appliance; or
 - C. The appliance has been exposed to rain; or
 - D. The appliance does not appear to operate normally or exhibits a marked change in performance; or
 - E. The appliance has been dropped, or the enclosure damaged.
17. Servicing – The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

1. SPECIFICATIONS

GENERAL

Recording format	IEC DIS DAT Standard Part 5
Recording tape	Digital Audio Tape
Number of channels	Audio x 2
Recording time	SP mode 120 minutes (with 120 min. tape) LP mode 240 minutes (with 120 min. tape)
Head configuration	Cylinder 2-head Composite type ø30mm, 2000rpm
Sampling frequency	48kHz, 44.1kHz, 32kHz
Quantization	16bit Linear 12bit non Linear
Emphasis	50µsec/15µsec
Power requirements	100VAC 50/60Hz, 120VAC 60Hz, 230VAC ~ 50/60Hz
Power consumption	28W
Dimensions	478 (W) x 134 (H) x 379 (D) mm
Weight	6.8 kg

MECHANICAL

Motor construction	2DD Motors
Tape loading method	Tray method (internal tape is visible from outside)
Tape speed	SP mode 8.15mm/sec. LP mode 4.075mm/sec. 12.225mm/sec. (automatically selected)
Fast wind time	Approx. 60 sec. (with 120 min. tape)

ELECTRICAL

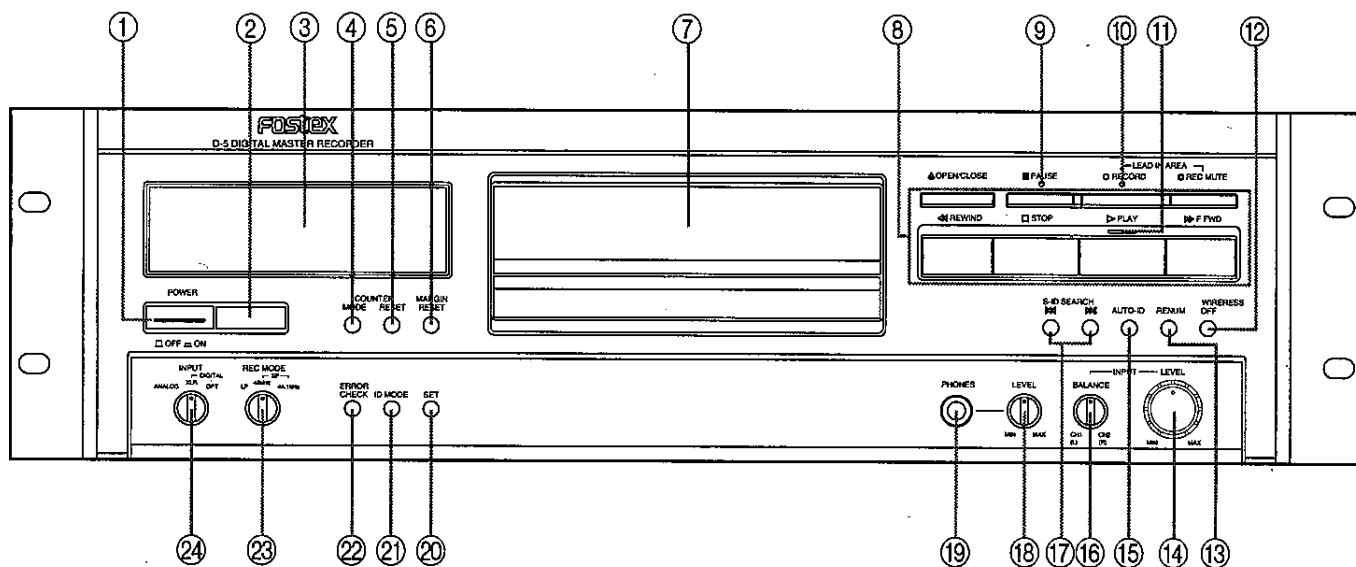
R/P frequency response	SP mode 20 Hz~20kHz ±1dB LP mode 20 Hz~14.5kHz ±1dB
S/N	More than 90 dB
Dynamic range	More than 90 dB
T.H.D.	Less than 0.05 % (at 1kHz, +4 dBu)
Reference record level	-12 dB
Wow & Flutter	Less than 0.001 % WTD/peak

INPUT/OUTPUT

Analog audio input	XLR-3-31
Ref.level	+4 dBu or -10 dBV
Imp.	10kΩ
Analog audio output	XLR-3-32
Ref.level	+4 dBu
Imp.	600Ω or more
Headphones output	standard phone jack
Max. output level	50 mW at 32Ω (min. load 8Ω)
Load Imp.	8Ω or more
Digital input	
XLR-3 type	Complies to AES/EBU standard
Optical	Complies to IEC consumer (optical) standard
Digital output	
XLR-3 type	Complies to AES/EBU standard
Optical	Complies to IEC consumer (optical) standard
GPI input	
DIN 5P type	STOP, PLAY, S-ID SEARCH (TTL level)

2. CONTROLS, INDICATORS AND CONNECTORS

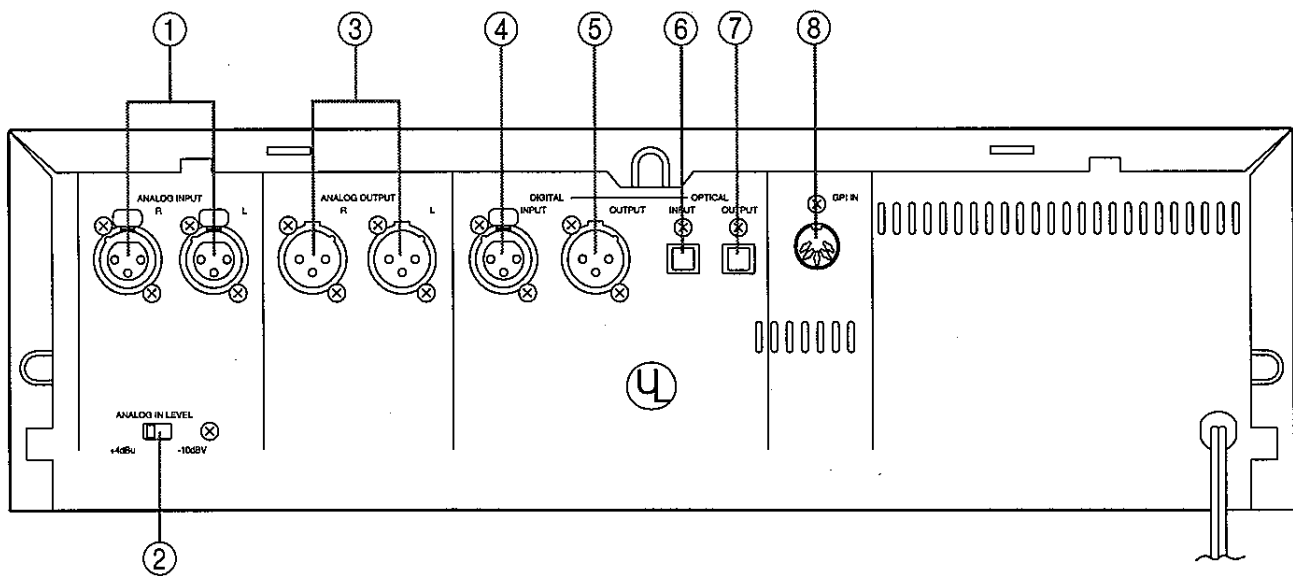
2-1 FRONT PANEL SECTION



1. Power switch
2. Remote control light receiver
3. Display
4. Counter mode button
5. Counter reset button
6. Margin reset button
7. Cassette tray
8. Operating buttons
9. Pause indicator
10. Record indicator
11. Play indicator
12. Wireless off button

13. Renumber button
14. Input level knob
15. Auto ID button
16. Input balance knob
17. S-ID search button
18. Headphone level knob
19. Headphone jack
20. Set button
21. ID mode button
22. Error check button
23. Record mode switch
24. Input selector switch

2-2 REAR PANEL SECTION



- | | |
|---------------------------------------|--------------------------------------|
| 1. Analog input connectors | 6. Digital input connector[OPTICAL] |
| 2. Analog input level selector switch | 7. Digital output connector[OPTICAL] |
| 3. Analog output connectors | 8. GPI input connector |
| 4. Digital input connector | 9. Power cable |
| 5. Digital output connector | |

3. ADJUSTING PROCEDURE

3-1 REMOVAL

DAT mechanism assembly removal

1. Remove the bonnet.
2. Remove the main unit CN03, CN04, and CN05 flexible boards, the CN06, CN07, and CN08 connector, and RF unit CN02.
3. Remove the five ① screws and remove the loading mechanism section. (See Figure 1.)
4. Remove the two flexible boards and the connector wire from the A section groove. (See Figure 2.)
5. Remove the four ② screws and the four mechanism installation springs and remove the DAT mechanism assembly from the cassette installation unit. (See Figure 2.)

Preparations before adjustment (pull guide adjustment)

1. Remove the cassette installation unit from the main unit and remove the DAT mechanism assembly wires from the main unit.
2. Remove the DAT mechanism assembly from the cassette installation unit.
3. Place the DAT mechanism assembly on the mechanism stay so that the motor pulley at the bottom surface of the assembly does not touch anything and fasten the DAT mechanism assembly shield case with the screw as in Figure 3.
4. Plug the DAT mechanism assembly wires into the main unit. (In this state, the DAT mechanism assembly can be adjusted.)

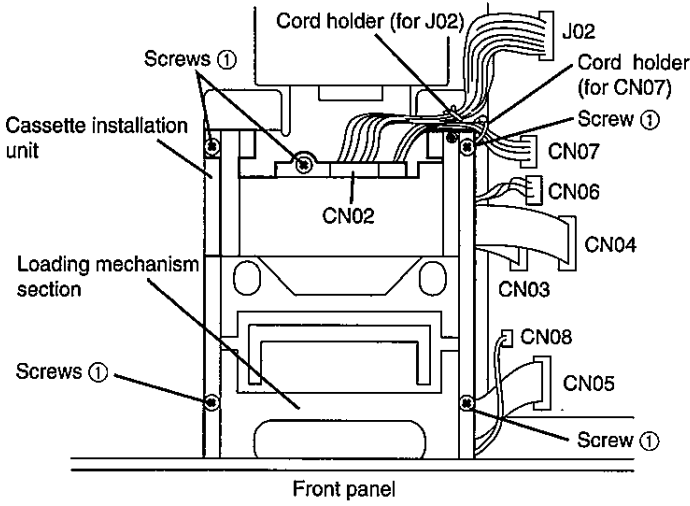


Figure 1

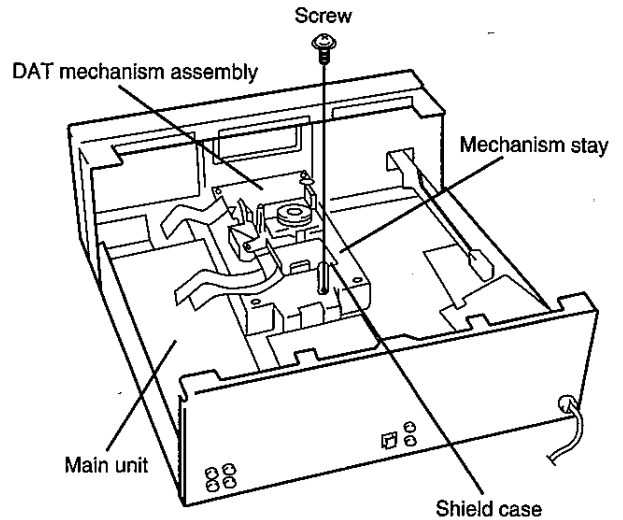


Figure 3

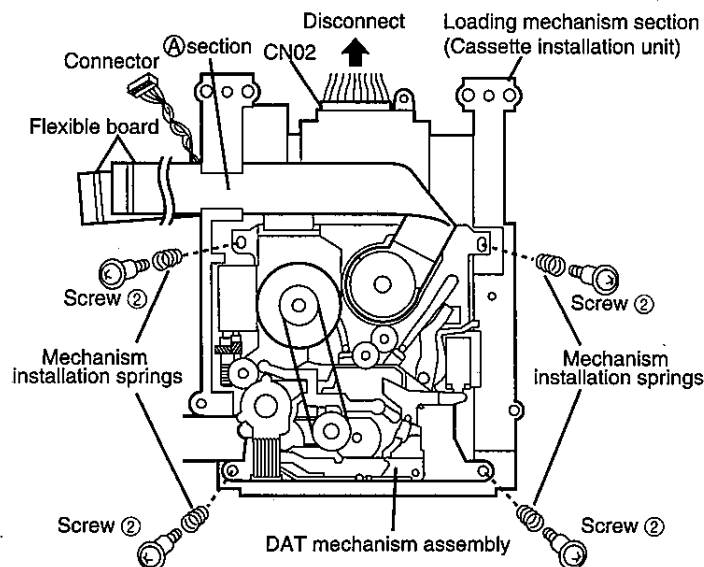


Figure 2

3-2 ADJUSTMENT METHODS

Adjustment conditions

1. The head and the tape running surfaces (tape guides, drum, capstan shafts, pinch rollers) must have been cleaned.
2. Before adjusting, warm up the set for a few minutes.
3. Use a 10:1 oscilloscope probe.

• Test equipment and test tapes

1. Dual trace oscilloscope, 60MHz or higher bandwidth, with delayed sweep.
2. Frequency counter, 10MHz or higher bandwidth.
3. AC volt meter (equipped with internal A-CURVE filter. NATIONAL VP-9690A is recommended).
4. Sine wave signal generator maximum output is higher than +10dBV (3V).
5. FOSTEX Model 5030 or balanced-unbalanced adaptor.
6. Ceramic adjustment screw driver: Vessel 9000 series are recommended.
7. Cassette weight (P/N 8286023000)
8. Tracking tape TY-7251A
9. Level tape TY-7111A
10. Torque meter FWD TW-7112
11. Function check TY-7551
12. Blank tape unused or bulk erased

Adjustment items

• Mechanical systems

1. Back tension torque adjustment
2. Tape path check
3. Tape path adjustment

• Electrical systems

1. PLL adjustment
2. TACH adjustment
3. ATF recording current adjustment
4. Error rate adjustment

Entering test mode

• 1.5TP test mode

1. Short main unit connector CN23-7 (XTEST) and CN23-1 (GNDA). The FL display "PGM" blinks.
2. Press the counter reset key (C-RESET). Check that the FL display counter display section becomes "TACH". (TACH adjustment mode)
3. To end this test mode, open the XTEST pins.

• Recording current adjustment test mode

1. Short main unit connector CN23-7 (XTEST) and CN23-1 (GNDA). The FL display "PGM" blinks.
2. Press the counter mode key (C-MODE). Check that the FL display P-NO section becomes "db".
3. To end this test mode, open the XTEST pins.

Note: When replacing the memory IC (IC1602), after initializing the memory IC in initialization mode, always carry out the TACH adjustment.

• Initialization mode

1. Short main unit connector CN23-7 (XTEST) and CN23-1 (GNDA). The FL display "PGM" blinks.
2. Press the ID mode key (ID-MODE).

Mechanical system adjustments

1. Back tension torque adjustment

Objective:	To make the tape touch the rotating drum head stably.
Symptoms of poor adjustment:	Low torque → tape running unstable High torque → tape damage, head damage
Measurement equipment/tools:	Torque meter FWD (TW-7112) Cassette weight
DAT mode:	Play mode
Adjustment location:	Reel base spring hanging section

Adjustment procedure

• Preparations

Mount torque meter FWD (TW-7112).

1. Press the Play key and check that the torque meter FWD back tension torque value center is 6.5 g-cm ~ 9.5 g-cm.
2. If the torque value does not come within the standard range, adjust the reel base spring hanging section A~C positions.

• Adjustment diagram

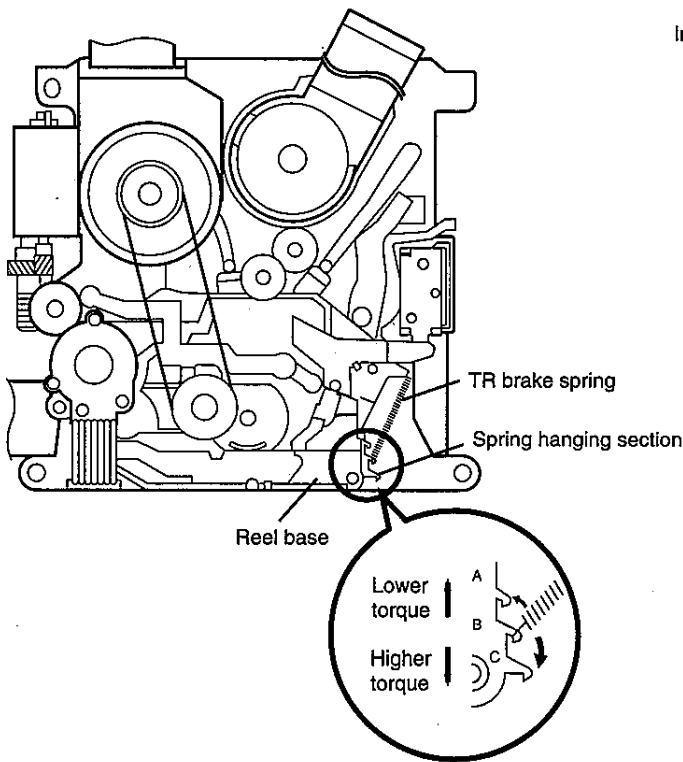


Figure 1-1

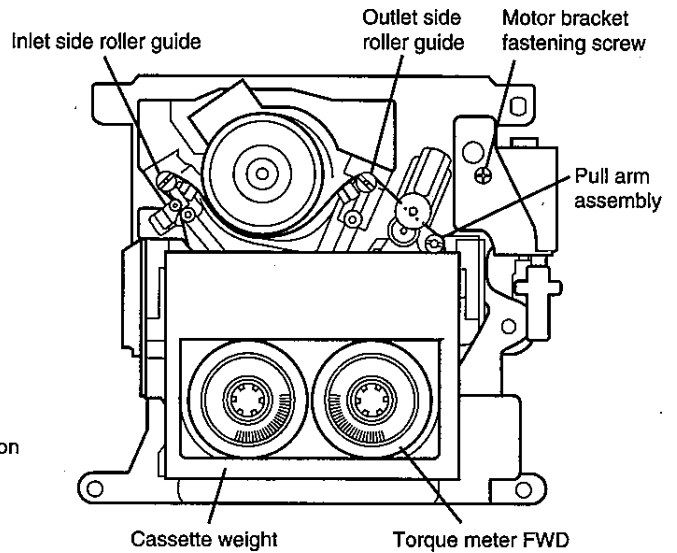


Figure 1-2

2. Tape path check

Objective:	To check that the tape tracks correctly on the drum assembly lead (to check the tape running adjustment)
Symptoms of poor adjustment:	Noise and poor sound
Measurement equipment/tools:	Oscilloscope Test tape Tracking (TY-7251)
Measurement equipment connection location:	Oscilloscope CH1: Between ENV (CN23-3) and GND A (CN 23-1) CH2: Between HSWP (CN23-5) and GND A (CN 23-1)
DAT mode:	Play mode (test mode)
Adjustment location:	Waveform check

Adjustment procedure

• Preparations

Load the tracking tape (TY-7251).

Play back the tape in 1.5TP test mode. (See Page 6)

1. Check the waveform with the oscilloscope and check that the flatness is at least 75%.
2. If the flatness is less than 75%, carry out "3. Tape path adjustment" (See Page 10).

Flatness = $B/A \times 100$ [%]

• Adjustment diagram

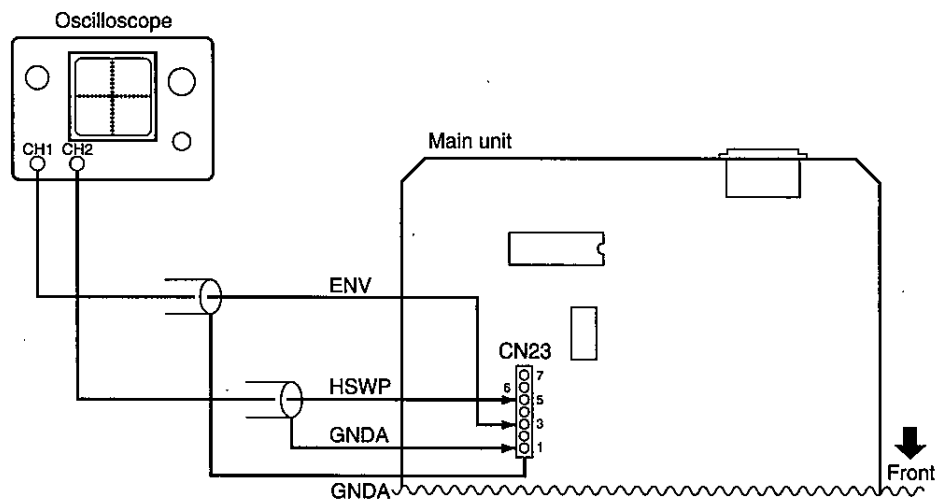
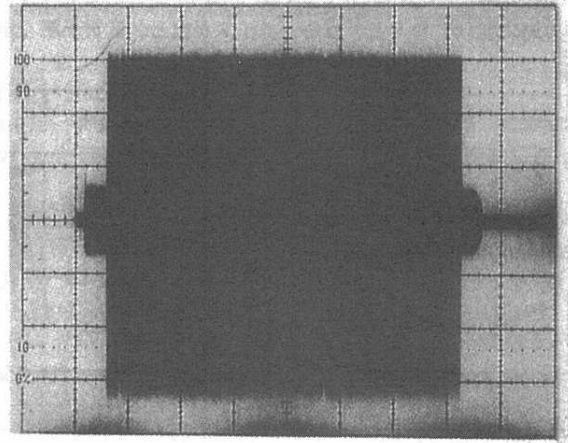


Figure 2

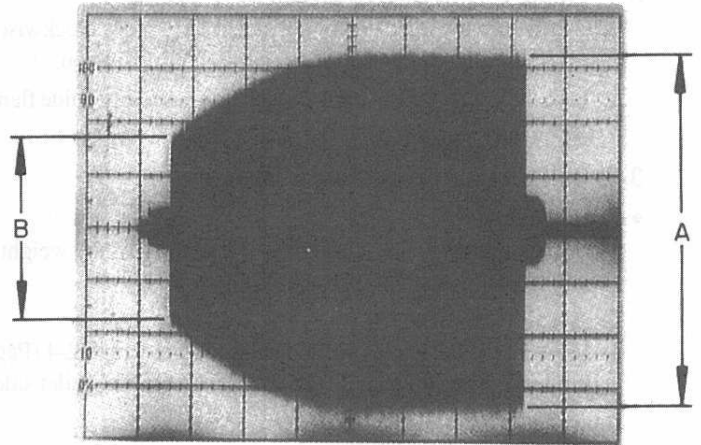
• **Adjustment diagram**

Oscilloscope ranges: 50 mV/div., 1 ms/div.

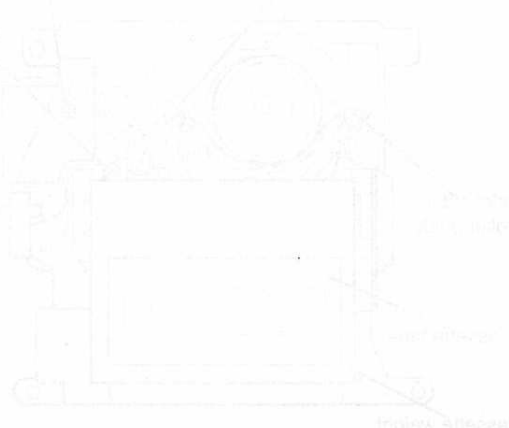
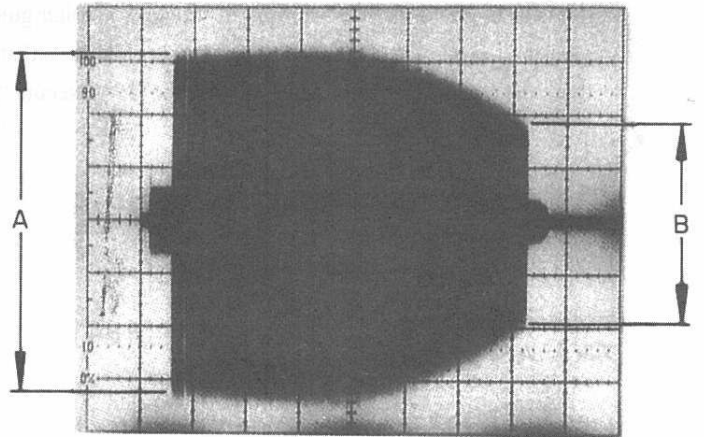
Normal Photo. 1-1



Inlet defect Photo. 1-2



Outlet defect Photo. 1-3



3. Tape path adjustment

Objective:	To make the tape track correctly on the drum assembly lead (tape running adjustment)
Symptoms of poor adjustment:	Intermittent sound, noise, and poor sound
Measurement equipment/tools:	Oscilloscope Test tape Tracking (TY-7251) Two prong screwdriver 0-bit Phillips screwdriver Cassette weight
Measurement equipment connection location:	Oscilloscope CH1: Between ENV (CN23-3) and GND A (CN 23-1) CH2: Between HSWP (CN23-5) and GND A (CN 23-1)
DAT mode:	Play mode (test mode)
Adjustment location:	Roller guides (inlet side and outlet side) Pull guide

Adjustment procedure

3-1. Guide height adjustment

1. Gently turn the inlet side/outlet side roller guides clockwise with the two prong screwdriver. After turning until contact, turn back about 1 rotation.
2. Turn the guide flanges until the pull arm assembly guide flange top surface matches up with the top end of the pull arm shaft. (See Figure 3-1.)

3-2. Roller guide height fine adjustment

• Preparations

Mount the tracking tape (TY-7251). (Load the cassette weight on the tape.)
Play back the tape in 1.5TP test mode. (See Page 6.)

Outlet side adjustment

1. Measure the RF waveform. If it is as in Photograph 2-4 (Page 11), tighten the outlet side roller guide (about 1/8th rotation).
If it is as in Photograph 2-6 (Page 11), loosen the outlet side roller guide (about 1/8th rotation).

Inlet side adjustment

Remove the flap from the cassette installation unit.

2. Measure the RF waveform. If it is as in Photograph 2-3, tighten the outlet side roller guide (about 1/4th rotation).
If it is as in Photograph 2-5, loosen the outlet side roller guide (about 1/4th rotation).
3. Measure the RF waveform and repeat 1 and 2 above so that the RF waveform is as in Photograph 2-2.
4. Press the Open/Close key. After ejecting the tape, execute "2. Tape path check" (Page 8) again.

• Adjustment diagram

The connection locations for the oscilloscope are the same as for "2. Tape path check" (Page 8).

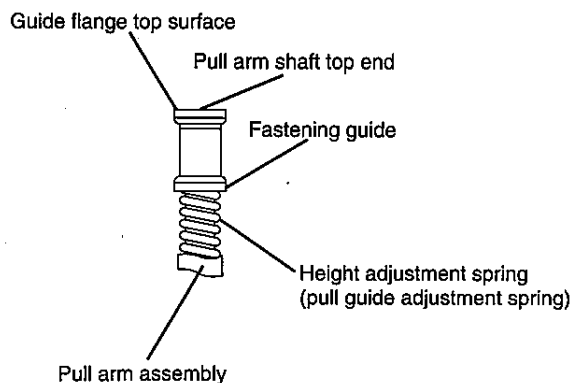


Figure 3-1

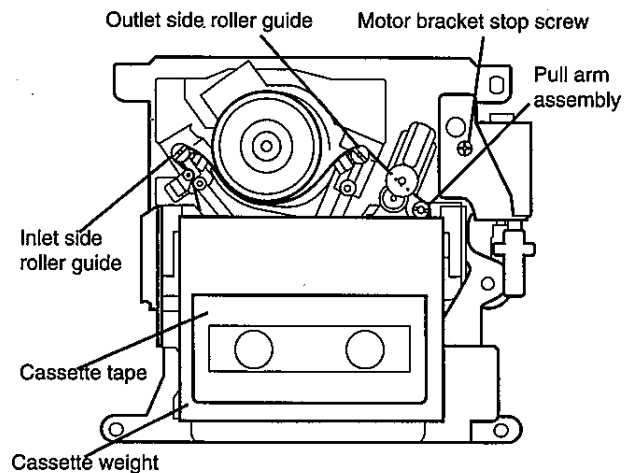


Figure 3-2

• **Waveform**

Oscilloscope ranges: 50 mV/div., 1 ms/div.

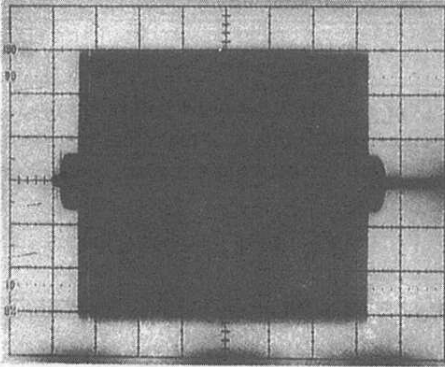


Photo. 2-1 RF Output Level Maximum

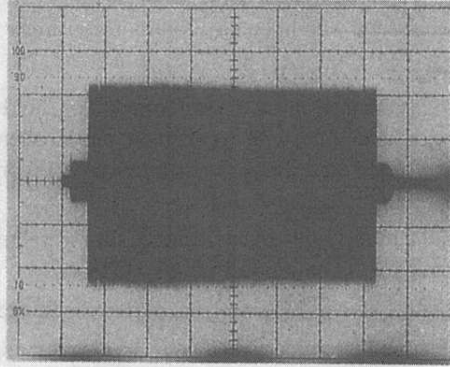


Photo. 2-2 RF Output Level 2/3 (Adjusted)

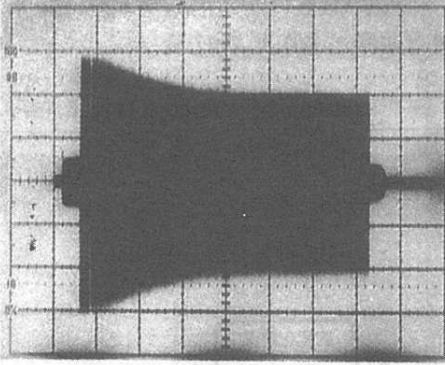


Photo. 2-3 Inlet Side Guide Roller Too High

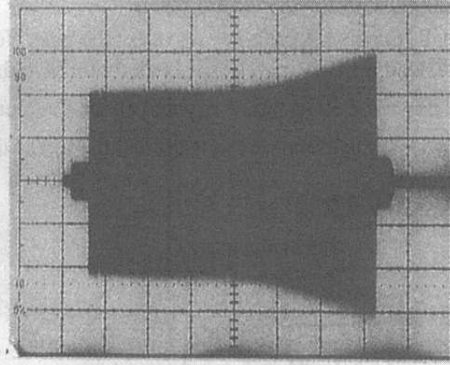


Photo. 2-4 Outlet Side Guide Roller Too High

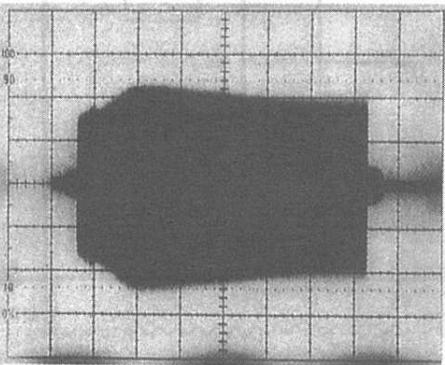


Photo. 2-5 Inlet Side Guide Roller Too Low

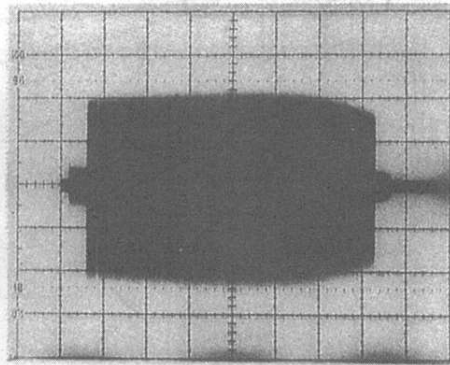


Photo. 2-6 Outlet Side Guide Roller Too Low

3-3. Pull guide adjustment

• Preparations

See Page 5 and remove the DAT mechanical assembly from the cassette installation unit.
Load the cassette weight on any common consumer 120 minute tape.

• Adjustment

1. Play back the tape and at the start of winding, hold down the FF/CUE key, and put the system into CUE mode. Then observe the twist state of the tape between the pinch rollers and the pull guide from the image of the motor bracket fastening screw head reflected on the tape magnetic surface. Figure 3-3 shows the relationship between the screw head reflected image and the pull guide flange height.
2. From the rough adjustment position, slowly tighten the pull guide flange 180°. Check that during this process, the reflected image changes continuously from c to a.
3. Next while slowly loosening the pull guide flange 180°, check that the reflected image changes continuously from a to c.
4. Tighten the pull guide flange until the tape top edge curls slightly as in b, then tighten 90° from that point.
5. Hold down the REW/REV key to put the system into REW mode, then check that there is no curl in the A section and B section of Figure 3-4.
6. Then, after checking that there is no twisting of the tape in the C section of Figure 3-5, check for twisting and swelling in the D section. (Normal is 0.5 mm max.)
7. Press the OPEN/CLOSE key and eject the tape. Next, play back the tape again. Hold down the FF/CUE key and observe the screw head reflected image to check that it is in the c state.
8. Hold down the REW/REV key and check that curl and twisting are the same in the A through D sections.
9. Apply Locktite to the screw section at the top of the pull guide flange.

• Adjustment diagram

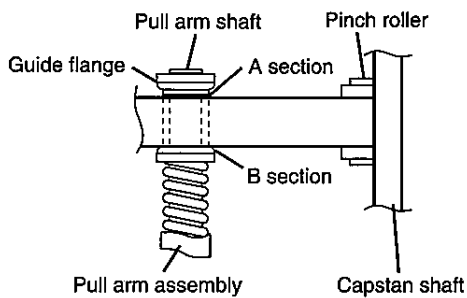
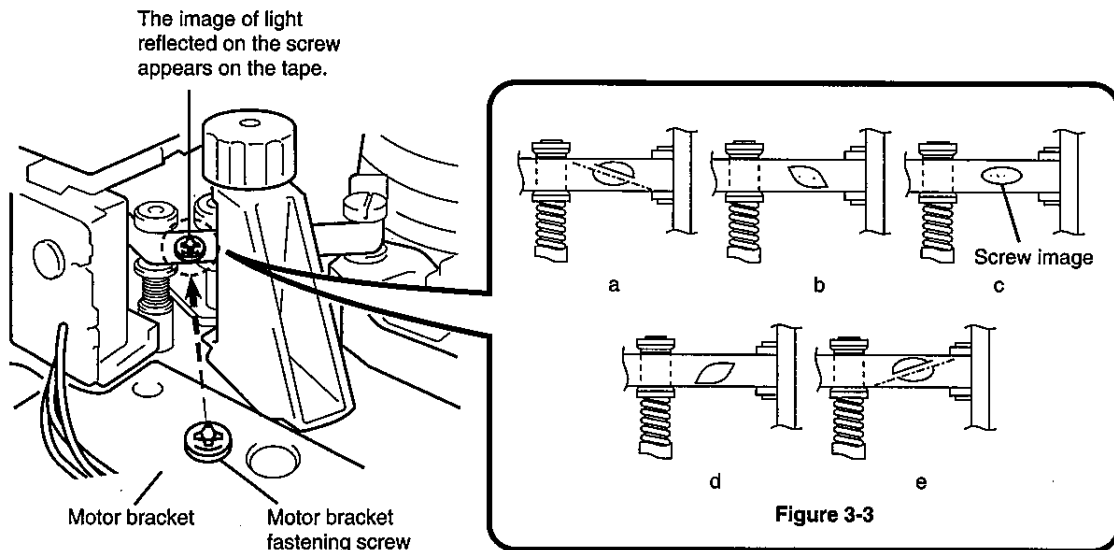


Figure 3-4

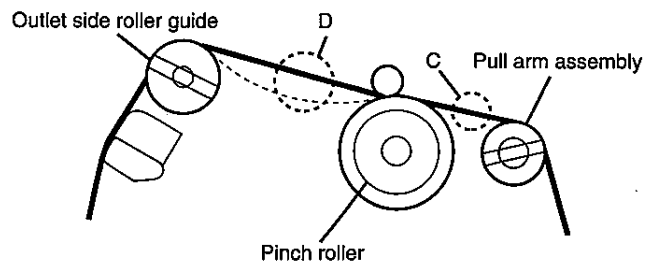


Figure 3-5

Electrical adjustments

1. PLL adjustment

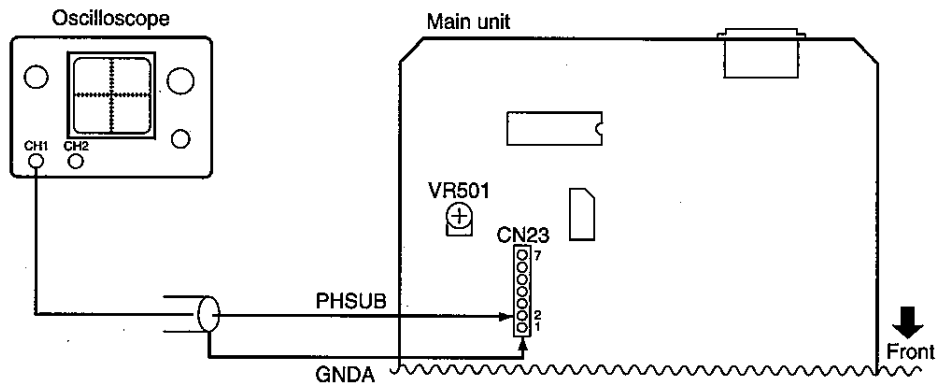
Objective:	To correctly read the digital signals written on the tape.
Symptoms of poor adjustment:	Intermittent sound, no playback, noise (sporadic popping), meters not reading
Measurement equipment/tools:	Oscilloscope, Test tape, Blank tape
Measurement equipment connection location:	Oscilloscope CH1: Between PHSUB (CN23-2) and GND A (CN 23-1)
DAT mode:	Stop mode
Adjustment location:	Main unit VR501 (VCO Range Adj)

Adjustment procedure

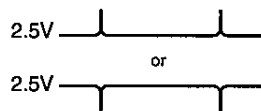
- **Preparations**

1. Load the test tape.
2. Adjust so that the CN23-2 (PHSUB) output voltage is 2.5 V. (Adjust so that either there is no spike pulse or one that is just above/below 2.5 V.)

- **Adjustment diagram**



- **Waveform**



* Adjust so that either there is no spike pulse or one that is just above/below 2.5 V.

Figure 4

2. Tach adjustment

Objective:	To align the recording position with the tape format.
Symptoms of poor adjustment:	For tapes recorded on other recorders, broken sound and much noise and muting (but no problem with tapes recorded on this recorder)
Measurement equipment/tools:	Oscilloscope Test tape Tracking (TY-7251)
Measurement equipment connection location:	Oscilloscope CH1: Between ENV (CN23-3) and GND A (CN 23-1) CH2: Between HSWP (CN23-5) and GND A (CN 23-1)
DAT mode:	Play mode (test mode)
Adjustment location:	S-ID SEARCH keys ▷▷, ◁◁

Adjustment procedure

- **Preparations**

Put the recorder into 1.5TP test mode. (See Page 6.)

1. Push the S-ID SEARCH ▷▷ or ◁◁ key to adjust the RF waveform marker position to be $800\mu\text{s} \pm 20\mu\text{s}$ from the trailing edge of the HSWP wave.

- **Note**

Tach is adjusted by the microcomputer with the adjustment data stored into memory. Since the adjusted data is not written into memory until test mode is ended, take the recorder out of test mode before switching off the power.

- **Adjustment diagram**

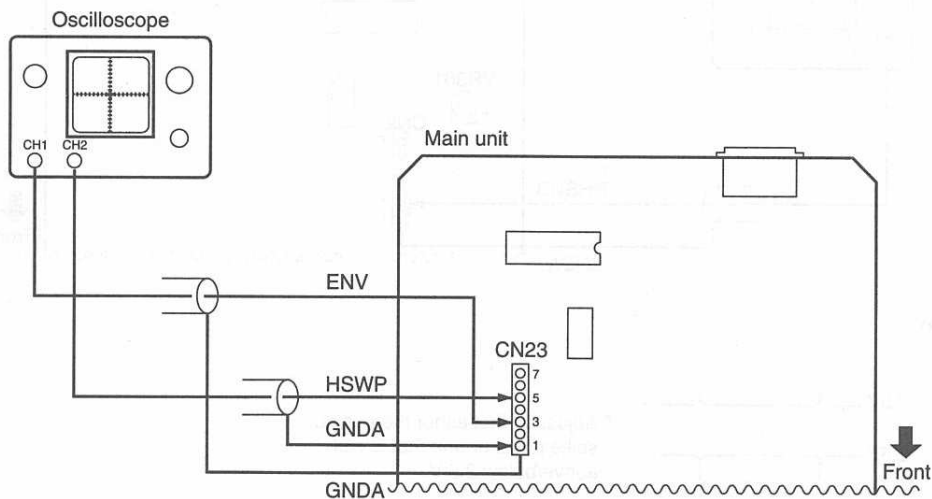


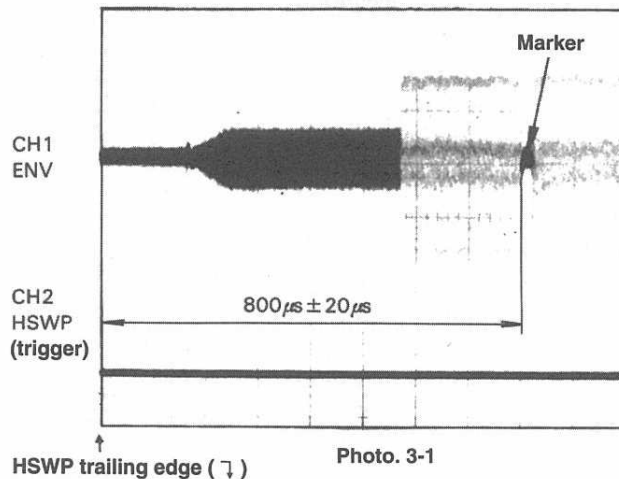
Figure 5

- **Waveform**

Oscilloscope ranges

CH1: 500 mVAC/div., 0.1 ms/div.

CH2: 5 VDC/div. (trigger)



3. ATF recording current adjustment (Electrical system adjustments)

Objective:	To optimize the recording current.
Symptoms of poor adjustment:	Intermittent sound (poor tracking) and noise (sporadic popping)
Measurement equipment/tools:	Oscilloscope Test tape, Level (TY-7111) Blank tape
	<i>Note: You must use an unused section on which RF signals have not been recorded.</i>
Measurement equipment connection location:	Oscilloscope CH1: Between PLT2 (CN23-4) and GND A (CN 23-1) CH2: Between HSWP (CN23-5) and GND A (CN 23-1)
DAT mode:	Play mode and record mode
Adjustment location:	RF unit VR302 (A head) VR304 (B head)

Adjustment procedure

• Preparations

Put the recorder into recording current adjustment test mode. (See Page 6.)

1. Playback the level test tape (TY-7111) and take a note of the voltages at the a and b sections of the wave. (See Photo. 4-1.)
2. Check that either the tape is blank or that the section to be used has not been used before. Press the REC key, then the Pause key and for 30–60 seconds record the signal onto the tape with the recorder's internal signal generator.
3. After stopping recording, rewind the recorded section and check that the playback wave level is within +25%–20% of the a and b levels recorded in 1. (See Photo. 4-2.)
4. If the levels are outside these standards, turn VR302 slightly for the A head or VR304 for the B head, record again on an unused part of the blank tape and check the values in 3.
5. Repeat 3 and 4 above until the values are within the standard.

• Adjustment diagram

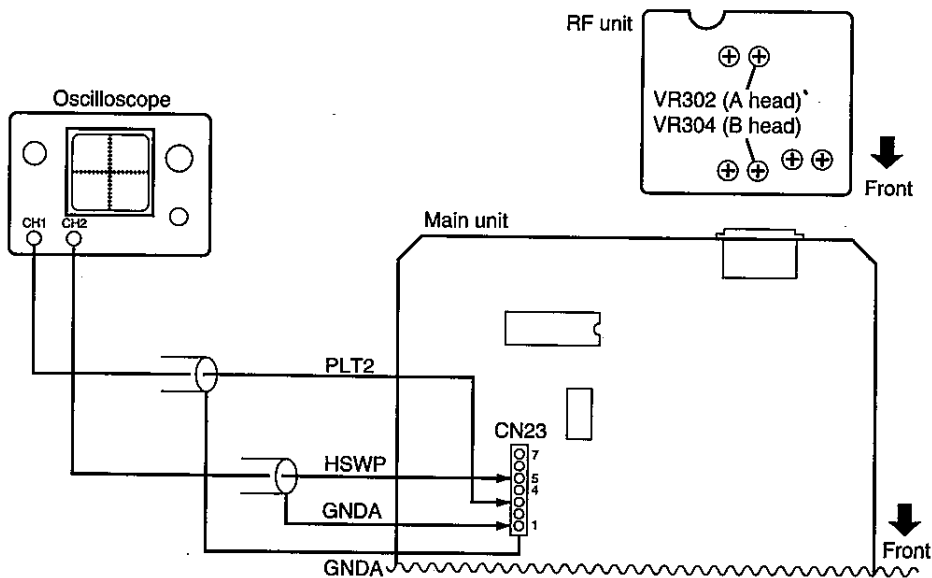


Figure 6

• **Waveform**

See: []

Level tape TY-7111 playback

Oscilloscope ranges CH1: 0.5 V/div., 2.5 ms/div.
CH2: 5 V/div.

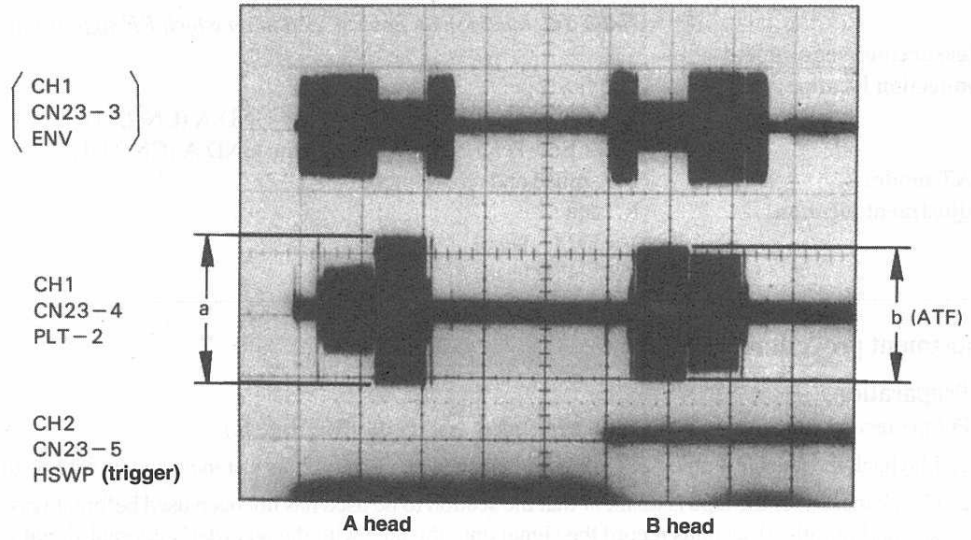


Photo. 4-1

Blank tape recording and playback

Oscilloscope ranges CH1: 0.5 V/div., 3 ms/div. (PCM)
[CH1: 100 mV/div., 3 ms/div.](ATF)
CH2: 5 V/div.

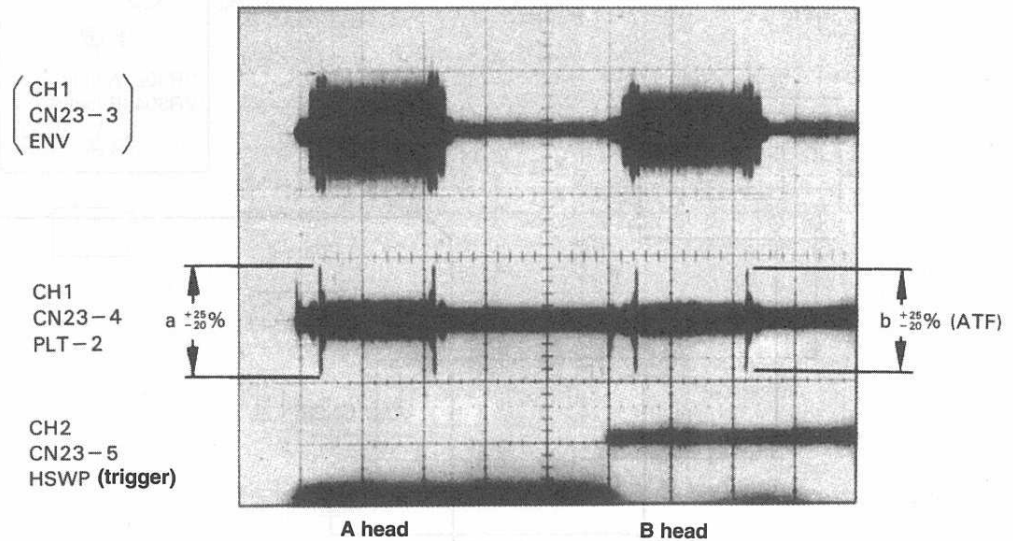


Photo. 4-2

4. Error rate adjustment

Objective:	To playback the correct data
Symptoms of poor adjustment:	Skipping, noise, meters not reading
Measurement equipment/tools:	Test tape—Function check adjustment tape: TY-7551 Oscilloscope
Measurement equipment connection location:	Oscilloscope CH1: Between flag (CN24-3) and GND D
DAT mode:	Play mode
Adjustment location:	RF unit VR305

Adjustment procedure

• Preparations

1. Play back the function check tape (TY-7551) and adjust so that the error flag for the oscilloscope waveform is the same as in Photo. 5.
(Minimize the error rate.)

• Adjustment diagram

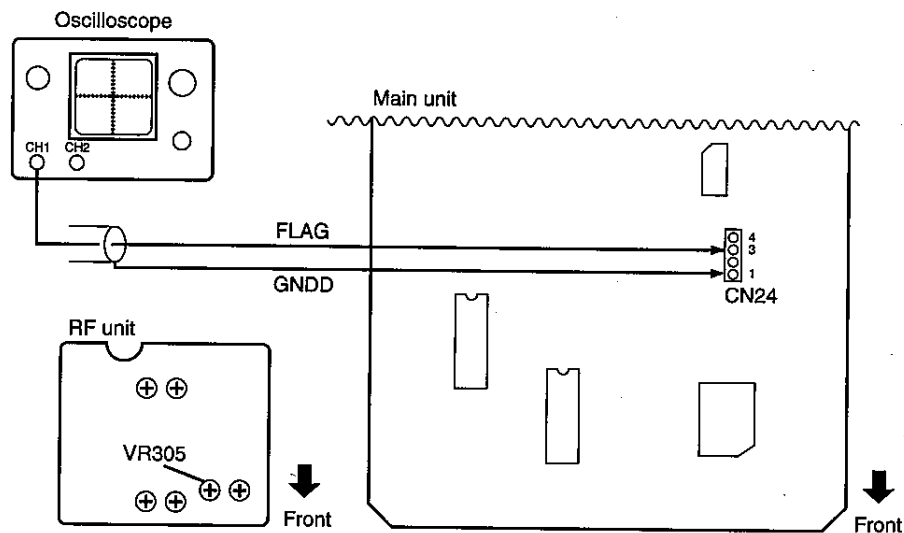


Figure 7

- **Waveforms**

Oscilloscope ranges: 2 V/div., 5 ms/div.

Error rate 1×10^{-1}

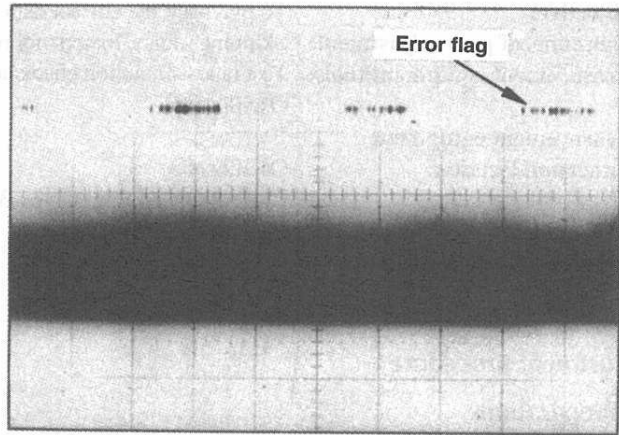


Photo. 5-1

Error rate 2×10^{-2}

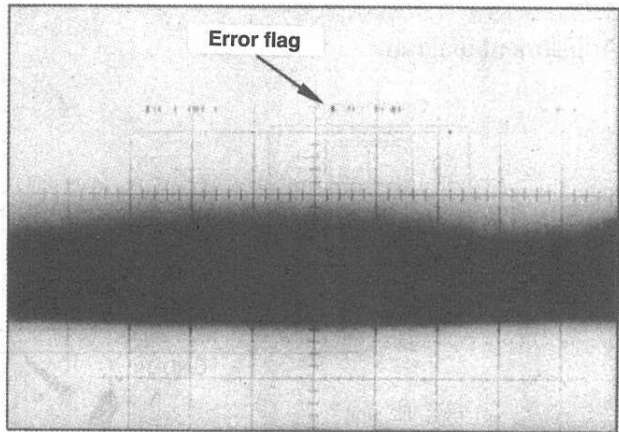


Photo. 5-2

Error rate 5×10^{-4}

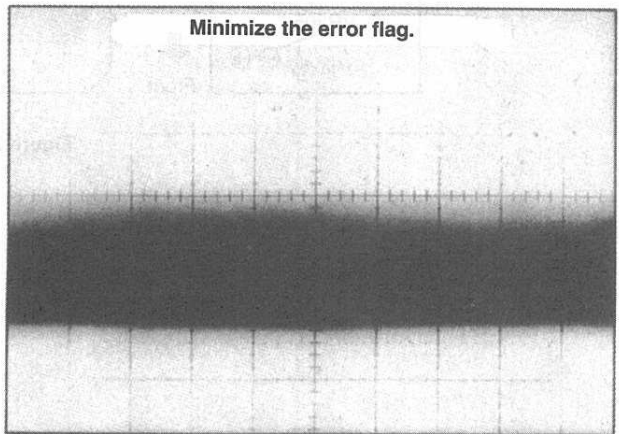


Photo. 5-3

Model D-5 Parts List

1. OVERALL

Ref.No	Parts NO.	DESCRIPTION			
1	8273090000	PCB ASSY, MAIN	46	8212509000	MOLD, UNDER
2	8273981000	PCB ASSY, HEADPHONE	47		
3	8273982000	PCB ASSY, POWER SW	48		
4	8273983000	PCB ASSY, RF ENV	49	8214294000	SCREW, BBT30P060FCC
5			50	8214295000	SCREW, BBT30P080FCC
6	8273984000	PCB ASSY, VR	51	8214296000	SCREW, BBT30P100FZK
7	8273985000	PCB ASSY, DISPLAY A	52	8214297000	SCREW, BBZ26P080FZK
8	8273986000	PCB ASSY, DISPLAY B	53	8214298000	SCREW, IBZ30P060FCC
9	8273987000	PCB ASSY, POWER	54	8214299000	SCREW, IBZ30P080FCC
10	8273988000	PCB ASSY, TRANS	55	8214300000	SCREW, ABZ40P080FZK
△ 11	8239100259	FUSE, 2.5A, USA/CND/JPN	56	8204121000	WASHER
	8239000725	FUSE, T2.5A, EUR/UK	57	(NSP)	CASSETTE INSTALLATION UNIT
△ 12	8239100169	FUSE, 1.6A, USA/CND/JPN	58	(NSP)	SPACER, RUBBER
	8239000716	FUSE, T1.6A, EUR/UK	59	(NSP)	PLATE, EARTH
13	8277316000	CONNECTOR ASSY, 5P	60	8277314000	CABLE ASSY, EARTH
14	8270747000	DAT TRANSPORT ASSY	61	8216546000	BINDER
△ 15	8216559000	BUSHING, AC CORD, EUR	62	(NSP)	LENS, L
	8216544000	BUSHING, AC CORD	63	8212510000	MOLD, RACKMOUNT, L
△ 16	8276883000	CORD, POWER, USA/CND	64	8212511000	MOLD, RACKMOUNT, R
	8276884000	CORD, POWER, EUR	65	8221111000	ANGLE, RACKMOUNT
		CORD, POWER, UK	66	8214301000	SCREW, FE
		CORD, POWER, JPN	67	8273989000	PCB ASSY, INTERFACE
△ 17	8239100259	FUSE, 2.5A, USA/CND/JPN	68	8273990000	PCB ASSY, DIGITAL I/O
	8239000725	FUSE, T2.5A, EUR/UK	69	8273991000	PCB ASSY, OPTICAL I/O
△ 18	8242226000	TRANS, POWER, USA/CND	70	8273992000	PCB ASSY, BALANCE IN
	8242225000	TRANS, POWER, EUR/UK	71	8273993000	PCB ASSY, BALANCE OUT
		TRANS, POWER, JPN	72	8221125000	ANGLE, INTERFACE
19	8214292000	SPRING, COIL	73		SCREW, P2.6X4Czn
20	8214293000	SCREW			
21	(NSP)	SPACER, RUBBER			
22	(NSP)	CUSHION, R			
23	(NSP)	CUSHION, CR			
24	(NSP)	CHASSIS, MAIN			
25	(NSP)	STAY, TRANSPORT			
26	(NSP)	BASE, PCB			
27	8221104000	BRACKET, HP			
28	8221105000	CLAMPER, CORD			
29	8212499000	STAY, PANEL			
30	8212500000	PLATE, SNAP			
31	8212501000	FOOT, CAP			
32	8212502000	KNOB, VOLUME			
33	8212503000	KNOB, ROTARY			
34	8212504000	BUTTON, POWER			
35	8212505000	BUTTON, CONTROL			
36	8216545000	FILTER, FL			
37	8212506000	LENS, FL			
38	8221106000	PANEL, UNDER			
39	8221107000	PANEL, FRONT			
40	8221108000	STABILIZER, DOOR			
41	8221109000	COVER ASSY			
42	8221110000	PANEL, REAR			
43	8212507000	LENS, LED			
44	(NSP)	ESCUTCHEON, DOOR			
45	8212508000	LENS, SENSOR			

<NOTE>

* NSP Non Service Parts

2. CASSETTE INSTALLATION UNIT

Ref.No	Parts NO.	DESCRIPTION
1	8212512000	PULLEY, MOTOR
2	8214302000	SPRING, FLAP
3	8216547000	DUMPER, CASSETTE
4	8216548000	BELT
5	8221112000	BRACKET, GEAR
6	8221113000	PLATE, CONTAINER
7	8212513000	GEAR, CONNECT
8	8212514000	TRAY
9	8212515000	FLAP
10	8212516000	CONTAINER
11	8212517000	PLATE, MAIN RACK, L
12		
13	8212518000	GEAR, X2
14	8212519000	GEAR, A
15	8212520000	GEAR, PULLEY
16	8212521000	COLLAR, SHAFT
17	8212552000	PLATE, MAIN RACK, R
18	8216549000	HOLDER, CASSETTE
19	8212522000	PLATE, SIDE, L
20	8212523000	PLATE, SIDE, R
21	8253438000	SW, PUSH
22	8214303000	SCREW, BBZ20P040FMC
23	8214304000	SCREW, BBZ20P060FZK
24	8214305000	SCREW, BBZ20P080FMC
25	8214306000	SCREW, BBZ26P060FMC
26	8214307000	SCREW, BMZ30P060FMC
27	8214308000	SCREW
28	8204122000	WASHER, WT21D050D025
29	8204123000	WASHER, WT26D047D050
30		
31	8214309000	SCREW, FLOAT
32	8214310000	SPRING, MECHA
33	8249037000	MOTOR, LOADING
34		
35	8221114000	CLAMP, CORD
36	8216546000	BINDER
101	(NSP)	SPRING, CASSETTE
102	(NSP)	SPRING, TRAY
103	(NSP)	SHAFT
104	(NSP)	PLATE, UPPER
105	(NSP)	STAY, REAR
106	(NSP)	CONNECTOR ASSY, 6P
107		
108	(NSP)	ADHESIVE TAPE
109	(NSP)	DAT MECHA ASSY
110	(NSP)	CABLE ASSY, EARTH

<NOTE>

* NSPNon Service Parts

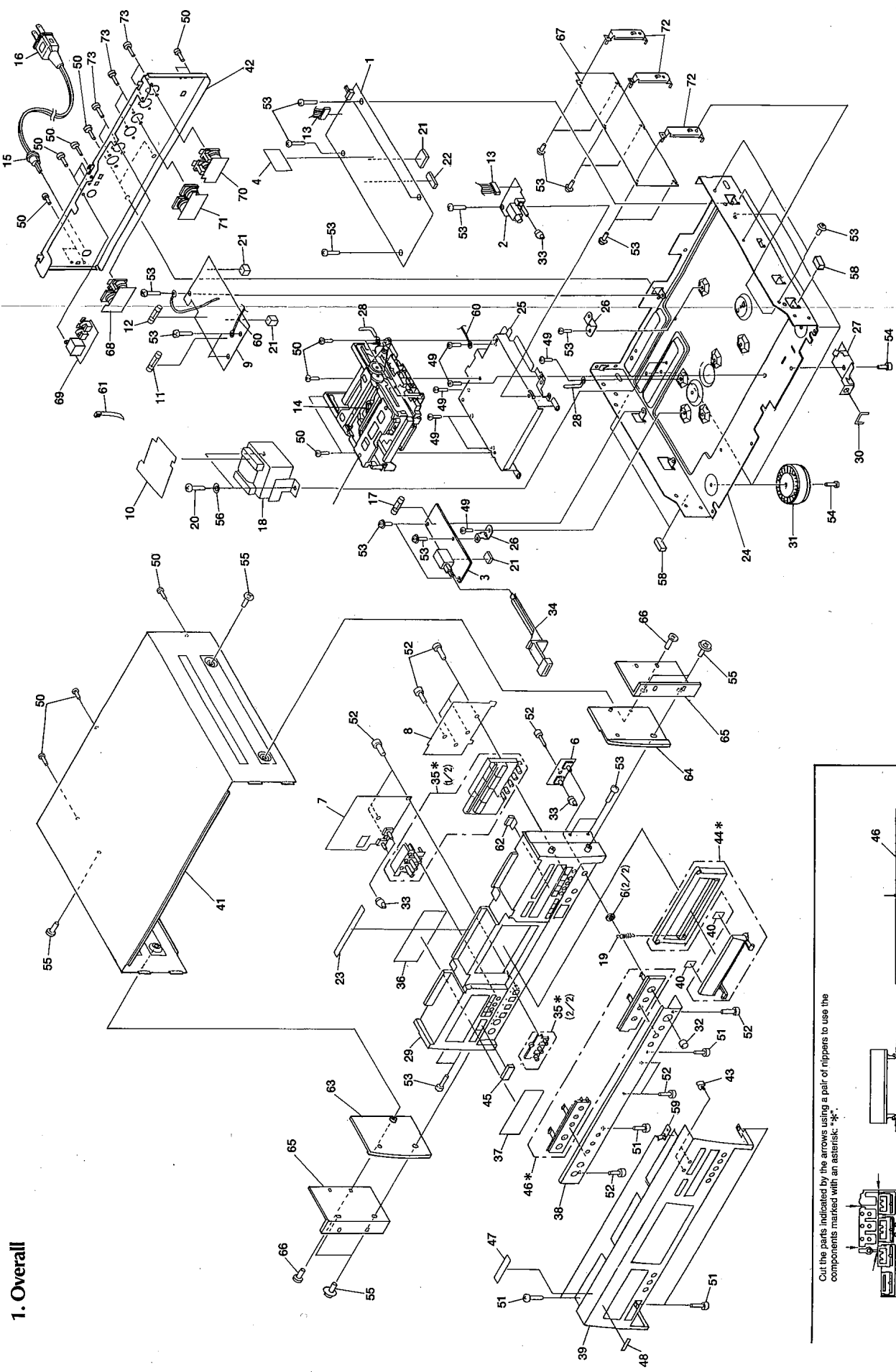
3. DAT MECHA ASSY

Ref.No	Parts NO.	DESCRIPTION
1	8221115000	CLAMPER
2	8253439000	SW, S102
3	8277315000	CONNECTOR, J8
4	(NSP)	SW, RECOGNITION, 2P
5	8256136000	ENCODER ASSY
6	8249038000	MOTOR, POWER
7	8249039000	SOLENOID
8	8234105500	PHOTO REFLECTOR
9	8273994000	END SENSOR ASSY
10	8273995000	TOP SENSOR ASSY
11	8230138431	RES, HT, CARBON, 1/4W, 430, 5%
12	8260479000	DRUM ASSY
13	8260480000	BRACKET SENSOR ASSY, L
14	8260481000	PINCH ARM ASSY
15	8260482000	PINCH MOTION ARM ASSY
16	8260483000	TR ARM ASSY
17	8260484000	GEAR DRIVE ASSY
18	8260485000	SWING ARM ASSY
19	8260486000	REEL BASE ASSY
20	8223283000	GUIDE, ROLLER
21	8260487000	TR ARM BRACKET ASSY
22	8260488000	TR BAND ASSY
23	8221116000	PLATE, SLIDER
24	8221117000	BRACKET, SENSOR, R
25	8221118000	HOLDER, CASSETTE
26	8221119000	LEVER, TR
27	8221120000	TR BRAKE
28	8212524000	PULL ARM
29	8212525000	REEL GEAR
30	8212526000	REEL HUB
31	8212527000	IDLER GEAR
32	8212528000	CLUTCH DRUM
33	8212529000	PULLEY GEAR
34	8212530000	CHANGE ARM
35	8212531000	LEVER, BRAKE
36	8212532000	PLATE, BRAKE
37	8212533000	CHANGE LEVER
38	8212534000	BRAKE, REV
39	8212535000	GEAR, MOTOR
40	8212536000	WORM GEAR
41	8212537000	WORM WHEEL
42	8212538000	GEAR, DRIVE
43	8212539000	CAM
44	8212540000	GEAR, INTERVAL
45	8212541000	PLATE, MODE
46	8212542000	HARD BRAKE
47	8212543000	DRIVE ARM
48	8212544000	THREADING GEAR
49	8212545000	THREADING ARM, L
50	8212546000	THREADING ARM, R
51	8212547000	THREADING LINK, L
52	8212548000	THREADING LINK, R
53	8212549000	SLIDER, L
54	8212550000	SLIDER, R
55	8223284000	PINCH ROLLER

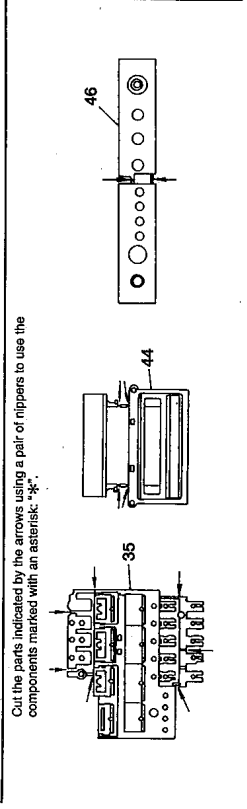
56	8216550000	BELT
57	8223285000	PULL GUIDE UPPER FLANGE
58	8223286000	TAPE GUIDE
59	8221121000	SPRING, EARTH
60	8204124000	WASHER, REEL
61	8216551000	SHEET, SENSOR
62	8216552000	BRAKE FELT
63	8216553000	DAMPER
64	8223287000	TAPE GUIDE
65	8216554000	BRAKE SHOE
66	8260489000	CAPSTAN DD UNIT
67	8214311000	SPRING, PINCH ARM
68	8214312000	SPRING, TR ARM
69	8214313000	SPRING, PULL GUIDE ADJUST
70	8214314000	SPRING, THRUST
71	8214315000	SPRING, TR BRAKE
72	8214316000	SPRING, IDLER GEAR
73	8214317000	SPRING, REEL HUB
74	8214318000	SPRING, BRAKE PLATE
75	8214319000	SPRING, BRAKE LEVER
76	8214320000	SPRING, REV BRAKE
77	8214321000	SPRING, CHANGE ARM
78	8214322000	SPRING, DRIVE ARM
79	8214323000	SPRING, HARD BRAKE
80	8214324000	SPRING, SLEDDING ARM, L
81	8214325000	SPRING, SLEDDING, ARM, R
82	8214304000	SCREW, BBZ20P060FZK
83	8214326000	SCREW, BMZ20P040FMC
84	8214327000	SCREW, PMS20P025FMC
85	8214328000	SCREW, JGZ20P030FMC
86	8204125000	WASHER, WT16D040D050
87	8204126000	WASHER, WT16D032D025
88	8204127000	WASHER, WT10D035D025
89	8204128000	WASHER, WA16D032D025
90	8204129000	WASHER, WA16D032D013
91	8204130000	WASHER, WA20D040D050
92	8214329000	SCREW
93	8204131000	WASHER
94	8273996000	PCB ASSY, RF UNIT
101	(NSP)	CABLE, JUMPER, 5P
102	(NSP)	CONNECTOR ASSY, 5P
103	(NSP)	CABLE, 13P
104	(NSP)	PCB, REEL SENSOR
105	(NSP)	CHASSIS ASSY
106	(NSP)	MOTOR BRACKET ASSY
107	(NSP)	DRIVE LEVER
108	(NSP)	LOWER SHEILD CASE

<NOTE>

* NSP Non Service Parts

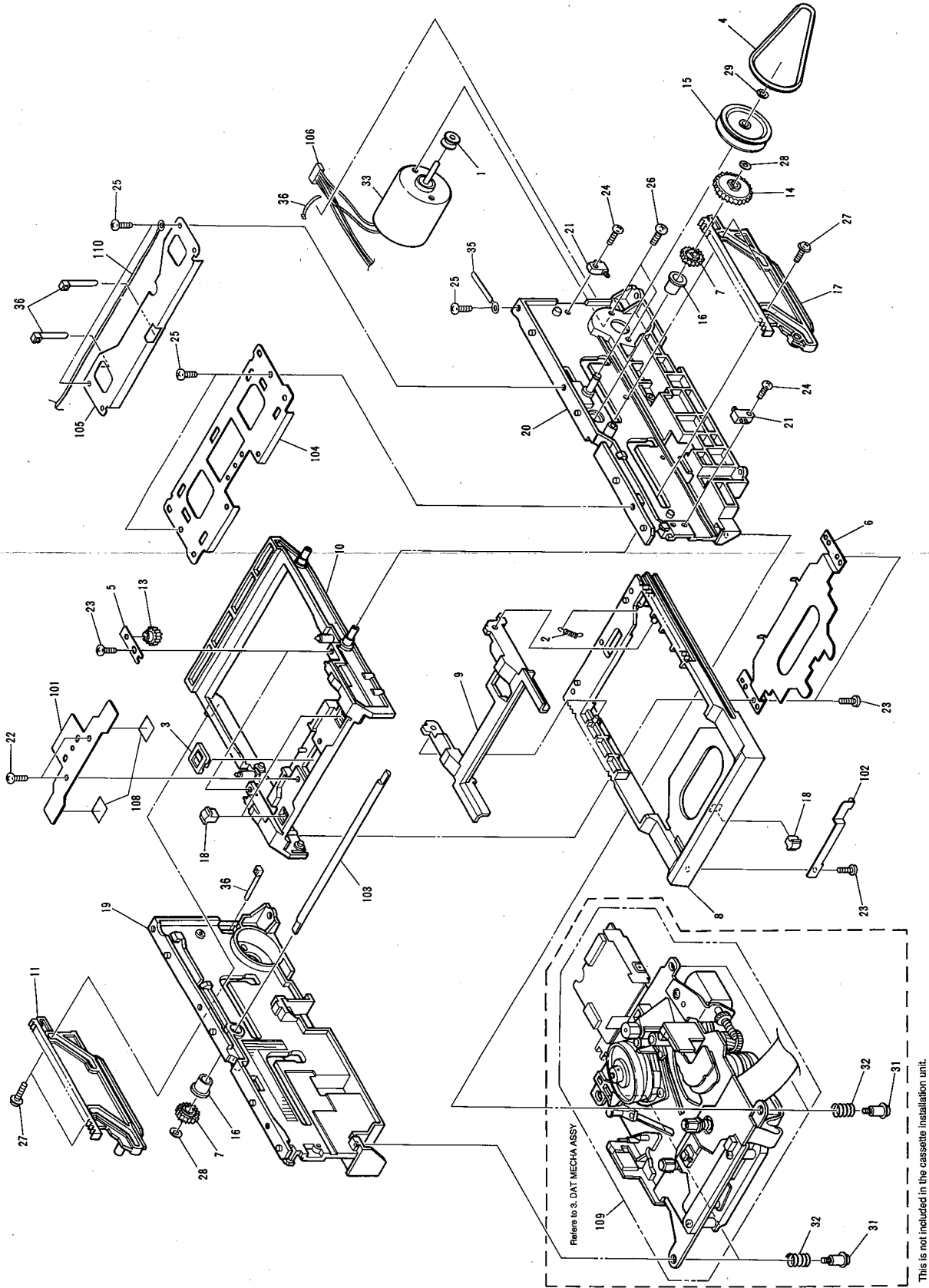


1. Overall

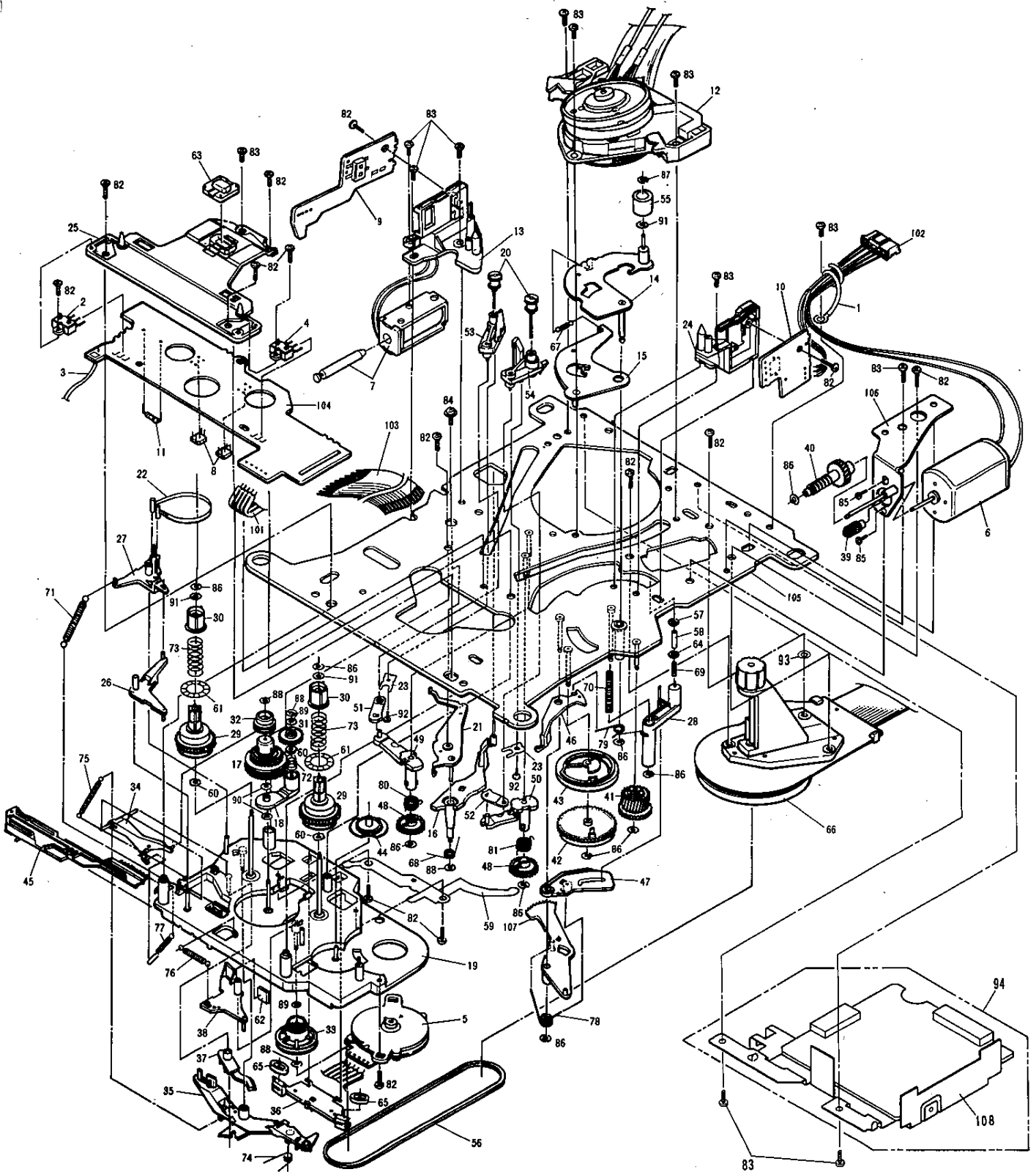


Cut the parts indicated by the arrows using a pair of nippers to use the components marked with an asterisk: '*'.

2. CASSETTE INSTALLATION UNIT



3. DAT MECHA ASSY



4. MAIN PCB ASSY

Ref. No	Parts NO.	DESCRIPTION			
	8273980000	PCB ASSY, MAIN	D701, 801	8234502800	D, ST, DAN202K
	8251461000	PLAIN PCB, MAIN	D503, 504, 505, 702, 802	8234502900	D, ST, DAP202K
			D502, 601, 603	8234503000	D, ST, DA119
			D501	8234105600	D, VT, VARI-CAP, FC63M-4/5
	IC's		D604	8234502600	D, HT, ZENER, MTZJ2.0AX
IC501	8236042900	IC, QFP, DG, DSP, HD49226AFS	D605, 606, 901, 902	8234502700	D, VT, 1SR35-100AVL
IC502	8236043000	IC, SOP, DG, SRAM, MS62256CLL- 10FC			
IC503	8236043100	IC, QFP, DG, CONTROL, PDG143A	VR501	8231014473	R-TRIM, PI, CARBON, 47k
IC504	8236043200	IC, QFP, DG, DATA STROBE, HD49229	R638	8230116100	RES, HT, NFLAME, 10, 2%
IC505	8236043300	IC, SIP, DG, RESET, M51957AL	R631	8230067103	RES, ARRAY, 10k x3
IC507, 509, 905	8236561004	IC, SOP, DG, CMOS, TC74HCU04AF	R716, 717, 816, 817	8230501104	RES, ST, METAL, 1/10W, 100k, 1%
IC508	8236503500	IC, SOP, DG, CMOS, TC74HC08AF	R600	8230500000	RES, ST, CARBON, 1/10W, 0, 5%
IC510	8236503600	IC, SOP, DG, CMOS, TC7W00F	R633	8230500100	RES, ST, CARBON, 1/10W, 10, 5%
IC601	8236043400	IC, QFP, DG, SERVO, HD49228FS	R501, 526-531, 533, 647	8230500101	RES, ST, CARBON, 1/10W, 100, 5%
IC602	8236503700	IC, SOP, AN, OPAMP, NJM2904M	R907, 908	8230500101	RES, ST, CARBON, 1/10W, 100, 5%
IC603	8236503800	IC, SOP, AN, OPAMP, NJM2902M	R505, 509-512, 523, 542	8230500102	RES, ST, CARBON, 1/10W, 1k, 5%
IC604	8236501053	IC, SOP, DG, CMOS, TC4053BF	R635, 657-659	8230500102	RES, ST, CARBON, 1/10W, 1k, 5%
IC605, 606	8236043500	IC, DIP, DG, DRIVER, MOTOR	R506, 550, 551, 563, 567	8230500103	RES, ST, CARBON, 1/10W, 10k, 5%
IC607	8236043600	IC, SIP, DG, DRIVER, MOTOR	R610, 611, 613, 618, 630	8230500103	RES, ST, CARBON, 1/10W, 10k, 5%
IC701, 801	8236043700	IC, DIP, AN, OPAMP, NJM4565D-D	R640, 660, 662, 674, 675	8230500103	RES, ST, CARBON, 1/10W, 10k, 5%
IC702, 802	8236043800	IC, DIP, AN, OPAMP, NJM5532DD	R685, 704, 705, 710, 711	8230500103	RES, ST, CARBON, 1/10W, 10k, 5%
IC902	8236503900	IC, SOP, AD, ADC, AK5340	R804, 805, 810, 811, 905	8230500103	RES, ST, CARBON, 1/10W, 10k, 5%
IC903	8236043900	IC, DIP, DA, DAC, PD2029A	R913	8230500103	RES, ST, CARBON, 1/10W, 10k, 5%
IC904	8236504000	IC, SOP, DG, CMOS, TC74HC10AF	R552, 654, 676, 684, 687	8230500104	RES, ST, CARBON, 1/10W, 100k, 5%
IC906	8236560074	IC, SOP, DG, CMOS, TC74HC74AF	R524, 525, 534, 906	8230500105	RES, ST, CARBON, 1/10W, 1M, 5%
	TRANSISTORS		R680, 682	8230500124	RES, ST, CARBON, 1/10W, 120k, 5%
Q501, 508, 509, 601, 602	8236570401	IC, ST, DG, DRIVER, DTA114EK	R643-645, 650-652	8230500130	RES, ST, CARBON, 1/10W, 13, 5%
Q610, 611, 613, 614, 615	8236570101	IC, ST, DG, DRIVER, DTC114EK	R538, 639	8230500152	RES, ST, CARBON, 1/10W, 1.5k, 5%
Q901-904	8236570101	IC, ST, DG, DRIVER, DTC114EK	R508, 541, 547, 673	8230500153	RES, ST, CARBON, 1/10W, 15k, 5%
Q502, 607	8234500005	TR, ST, PNP, 2SA1037K	R617, 622	8230500154	RES, ST, CARBON, 1/10W, 150k, 5%
Q503-505, 603-606	8234600305	TR, ST, NPN, 2SC2412K	R504	8230500163	RES, ST, CARBON, 1/10W, 16k, 5%
Q609, 612	8234600305	TR, ST, NPN, 2SC2412K	R540	8230500181	RES, ST, CARBON, 1/10W, 180, 5%
Q608	8234502500	TR, VT, NPN, 2SC3246	R688	8230500229	RES, ST, CARBON, 1/10W, 2.2, 5%
Q701, 801	8234600202	TR, ST, NPN, 2SC3326	R649	8230500201	RES, ST, CARBON, 110W, 200, 5%
			R629, 641	8230500202	RES, ST, CARBON, 1/10W, 2k, 5%
			R642	8230500203	RES, ST, CARBON, 1/10W, 20k, 5%
			R628	8230500220	RES, ST, CARBON, 1/10W, 22, 5%

Ref. No	Parts NO.	DESCRIPTION			
R723, 823	8230500221	RES, ST, CARBON, 1/10W, 220, 5%	R681	8230500823	RES, ST, CARBON, 1/10W, 82k, 5%
R655	8230500222	RES, ST, CARBON, 1/10W, 2.2k, 5%	R646, 653	8230117478	RES, HT, METAL, 1/2W, 0.47, 5%
R561, 562, 625, 627, 686	8230500223	RES, ST, CARBON, 1/10W, 22k, 5%	R689	8230118109	RES, HT, METAL, 1W, 1, 5%
R712, 713, 812, 813	8230500223	RES, ST, CARBON, 1/10W, 22k, 5%	R909	8230119102	RES, HT, METAL, 2W, 1k, 5%
R634	8230500224	RES, ST, CARBON, 1/10W, 220k, 5%	CAPACITORS		
R532, 623, 632	8230500241	RES, ST, CARBON, 1/10W, 240, 5%	ALU = Electrolytic type		
R718-720, 818-820	8230500242	RES, ST, CARBON, 1/10W, 2.4k, 5%	CER = Ceramic type		
R513, 539, 702, 802	8230500272	RES, ST, CARBON, 1/10W, 2.7k, 5%	PES = Mylar type		
R546, 646, 672, 721, 821	8230500273	RES, ST, CARBON, 1/10W, 27k, 5%	PPR = Polypropylene type		
R708, 709, 808, 809	8230500301	RES, ST, CARBON, 1/10W, 300, 5%	TNT = Tantalum type		
R637, 903	8230500331	RES, ST, CARBON, 1/10W, 330, 5%	FLM = Film type		
R536, 544, 545	8230500332	RES, ST, CARBON, 1/10W, 3.3k, 5%	C560	8233500309	CAP, ST, CER, 50V, 3pF, 0.25pF, CH
R671, 677, 678	8230500333	RES, ST, CARBON, 1/10W, 33k, 5%	C712, 713, 812, 813	8233500509	CAP, ST, CER, 50V, 5pF, 0.25pF, CH
R636	8230500390	RES, ST, CARBON, 1/10W, 39, 5%	C557	8233500609	CAP, ST, CER, 50V, 6pF, 0.5pF, CH
R624, 626, 648	8230500393	RES, ST, CARBON, 1/10W, 39k, 5%	C556	8233500809	CAP, ST, CER, 50V, 8pF, 0.5pF, CH
R535, 564, 565, 904, 930	8230500470	RES, ST, CARBON, 1/10W, 47, 5%	C543, 550, 925, 926	8233500100	CAP, ST, CER, 50V, 10pF, 0.5pF, CH
R931, 932	8230500470	RES, ST, CARBON, 1/10W, 47, 5%	C541	8233500101	CAP, ST, CER, 50V, 100pF, 5%, CH
R901	8230500471	RES, ST, CARBON, 1/10W, 470, 5%	C702, 802	8233500200	CAP, ST, CER, 50V, 20pF, 5%, CH
R503, 507, 548, 556-559	8230500472	RES, ST, CARBON, 1/10W, 4.7k, 5%	C542	8233500220	CAP, ST, CER, 50V, 22pF, 5%, CH
R566, 656, 661, 663, 666	8230500472	RES, ST, CARBON, 1/10W, 4.7k, 5%	C634	8233500221	CAP, ST, CER, 50V, 220pF, 5%, CH
R668	8230500472	RES, ST, CARBON, 1/10W, 4.7k, 5%	C711, 811	8233500390	CAP, ST, CER, 50V, 39pF, 5%, CH
R522, 549, 553-555, 560	8230500473	RES, ST, CARBON, 1/10W, 47k, 5%	C604, 605	8233500470	CAP, ST, CER, 50V, 47pF, 5%, CH
R601-608, 667, 669, 670	8230500473	RES, ST, CARBON, 1/10W, 47k, 5%	C506	8233500560	CAP, ST, CER, 50V, 56pF, 5%, CH
R683, 706, 707, 806, 807	8230500473	RES, ST, CARBON, 1/10W, 47k, 5%	C715, 815	8233500471	CAP, ST, CER, 50V, 470pF, 5%, CH
R614, 619	8230500474	RES, ST, CARBON, 1/10W, 470k, 5%	C807, 908	8232146106	CAP, VT, ALU, 50V, 10uF, 20%, AL
R616, 621	8230500513	RES, ST, CARBON, 1/10W, 51k, 5%	C708, 709, 808, 809	8232145226	CAP, VT, ALU, 35V, 22uF, 20%, AL
R537, 543, 609	8230500562	RES, ST, CARBON, 1/10W, 5.6k, 5%	C919, 921, 923	8232143476	CAP, VT, ALU, 16V, 47uF, 20%, AL
R714, 715, 814, 815	8230500623	RES, ST, CARBON, 1/10W, 62k, 5%	C654	8232146104	CAP, VT, ALU, 50V, 0.1uF, 20%, NP
R703, 803	8230500682	RES, ST, CARBON, 1/10W, 6.8k, 5%	C639	8232146335	CAP, VT, ALU, 50V, 3.3uF, 20%, NP
R679	8230500683	RES, ST, CARBON, 1/10W, 68k, 5%	C653	8232146475	CAP, VT, ALU, 50V, 4.7uF, 20%, NP
R502	8230500750	RES, ST, CARBON, 1/10W, 75, 5%	C565	8232146334	CAP, VT, ALU, 50V, 0.33uF, 20%, AS
R612, 722, 822	8230500751	RES, ST, CARBON, 1/10W, 750, 5%	C686	8232146474	CAP, VT, ALU, 50V, 0.47uF, 20%, AS
R665	8230500752	RES, ST, CARBON, 1/10W, 7.5k, 5%	C661-663, 665, 668	8232146016	CAP, VT, ALU, 50V, 1uF, 20%, AS
R615, 620	8230500822	RES, ST, CARBON, 1/10W, 8.2k, 5%	C641, 707, 904	8232146106	CAP, VT, ALU, 50V, 10uF, 20%, AS
			C911	8232143107	CAP, VT, ALU, 16V, 100uF, 20%, AS
			C718, 719, 818, 819	8232146226	CAP, VT, ALU, 50V, 22uF, 20%, AS
			C502, 503	8232143337	CAP, VT, ALU, 16V, 330uF, 20%, AS

Ref.No.	Parts No.	DESCRIPTION		MISCELLANEOUS
C511, 657, 906	8232146475	CAP, VT, ALU, 50V, 4.7uF, 20%, AS	S902 X501	8253440000 SW, SLIDE 8256139000 RESONATOR, XTL, 37.632MHz
C509, 524, 529, 533, 539	8232143476	CAP, VT, ALU, 16V, 47uF, 20%, AS	X502	8256140000 RESONATOR, CER, 8.389MHz
C544, 549, 561, 608, 617	8232143476	CAP, VT, ALU, 16V, 47uF, 20%, AS	X902	8256141000 RESONATOR, XTL, 22.5792MHz
C621, 625, 630, 633, 635	8232143476	CAP, VT, ALU, 16V, 47uF, 20%, AS	X901	8256142000 RESONATOR, XTL, 24.5760MHz
C636, 669	8232143476	CAP, VT, ALU, 16V, 47uF, 20%, AS	L901-903, 905	8256143000 COIL, VT, 1uH
C703, 704, 716, 803, 804	8232006226	CAP, VT, ALU, 50V, 22uF, 20%, AS	L501	8256144000 COIL, VT, 1.5uH
C816	8232006226	CAP, VT, ALU, 50V, 22uF, 20%, AS	L515	8242053000 COIL, VT, 150uH
C678	8233041338	CAP, VT, FLM, 50V, 3300uF, 5%, TX	L510	8242220000 COIL, VT, 3.3uH
C640, 660, 667	8233500102	CAP, ST, CER, 50V, 1000pF, 10%, YB	L505, 507-509, 512, 514	8256145000 FILTER, EMI, 332TA
C652	8233500123	CAP, ST, CER, 50V, 0.012uF, 10%, YB	L601	8256145000 FILTER, EMI, 332TA
C646	8233500153	CAP, ST, CER, 50V, 0.015uF, 10%, YB	CN8	CONNECTOR, KR, 2P
C551, 620, 656, 659, 714	8233500222	CAP, ST, CER, 50V, 2200pF, 10%, YB	CN24	CONNECTOR, KR, 4P
C559	8233500223	CAP, ST, CER, 50V, 0.022uF, 10%, YB	CN50	CONNECTOR, PH, SMT
C552, 642, 651	8233500472	CAP, ST, CER, 50V, 4700pF, 10%, YB	CN6	CONNECTOR, KR, 5P
C655	8233504683	CAP, ST, CER, 25V, 0.068uF, 10%, YB	CN7	CONNECTOR, KR, 6P
C705, 805	8233500821	CAP, ST, CER, 50V, 820pF, 10%, YB	CN23	CONNECTOR, 7P
C505, 507, 508, 535, 536	8233500103	CAP, ST, CER, 50V, 0.01uF, +80/-20%, YF	CN19	CONNECTOR, PCB
C553, 555, 558, 568, 601	8233500103	CAP, ST, CER, 50V, 0.01uF, +80/-20%, YF	CN5	CONNECTOR, FCC, 13P
C606, 614-616, 619, 627	8233500103	CAP, ST, CER, 50V, 0.01uF, +80/-20%, YF	CN3, 4	CONNECTOR, FCC, 15P
C628, 629, 632, 643, 664	8233500103	CAP, ST, CER, 50V, 0.01uF, +80/-20%, YF	CN14	CONNECTOR, MT, 4P
C666, 903, 920, 922, 924	8233500103	CAP, ST, CER, 50V, 0.01uF, +80/-20%, YF	CN15	CONNECTOR, MT, 6P
C501, 512, 546, 554, 563	8233504104	CAP, ST, CER, 25V, 0.1uF, +80/-20%, YF	CN51	CONNECTOR, JUMPER, 4P
C647, 706, 710, 806, 810	8233504104	CAP, ST, CER, 25V, 0.1uF, +80/-20%, YF	CN10, 11	CONNECTOR, JUMPER, 5P
C905, 907, 909, 910, 912	8233504104	CAP, ST, CER, 25V, 0.1uF, +80/-20%, YF	CN25	CONNECTOR, JUMPER, 6P
C913, 915-917, 929	8233504104	CAP, ST, CER, 25V, 0.1uF, +80/-20%, YF	CN12	CONNECTOR, JUMPER, 8P
C918	8233500104	CAP, ST, CER, 50V, 0.1uF, +80/-20%, YF	J2	CONNECTOR ASSY, 12P
C510, 525, 528, 532, 538	8233500473	CAP, ST, CER, 50V, 0.047uF, +80/-20%, YF	J24	CABLE, 4P
C540, 545, 547, 548, 562	8233500473	CAP, ST, CER, 50V, 0.047uF, +80/-20%, YF		
C564, 566, 567, 602, 603	8233500473	CAP, ST, CER, 50V, 0.047uF, +80/-20%, YF		
C607, 609-611, 618, 622	8233500473	CAP, ST, CER, 50V, 0.047uF, +80/-20%, YF		
C623, 624, 631, 637, 638	8233500473	CAP, ST, CER, 50V, 0.047uF, +80/-20%, YF		
C644, 645, 648, 649, 650	8233500473	CAP, ST, CER, 50V, 0.047uF, +80/-20%, YF		
C658, 731, 732, 831, 832	8233500473	CAP, ST, CER, 50V, 0.047uF, +80/-20%, YF		

5. RF ENV PCB ASSY

Ref.No.	Parts No.	DESCRIPTION
	8273983000	PCB ASSY, RF ENV
	8251462000	PLAIN PCB, RF ENV
TRANSISTORS		
Q1401, Q1402	8234600305	TR, ST, NPN, 2SC2412K
RESISTORS		
R1407, 1408	8230500104	RES, ST, CARBON, 1/10W, 100k, 5%
R1404	8230500113	RES, ST, CARBON, 1/10W, 11k, 5%
R1409	8230500152	RES, ST, CARBON, 1/10W, 1.5k, 5%
R1402	8230500181	RES, ST, CARBON, 1/10W, 180, 5%
R1412, 1413	8230500471	RES, ST, CARBON, 1/10W, 470, 5%
R1403, 1405	8230500473	RES, ST, CARBON, 1/10W, 47k, 5%
R1401	8230500751	RES, ST, CARBON, 1/10W, 750, 5%
R1410, 1411	8230500821	RES, ST, CARBON, 1/10W, 820, 5%
R1406	8230500822	RES, ST, CARBON, 1/10W, 8.2k, 5%
CAPACITORS		
C1406, 1408	8233500560	CAP, ST, CER, 50V, 56pF, 5%, CH
C1407	8233500331	CAP, ST, CER, 50V, 330pF, 5%, SL
C1401, 1405	8233500471	CAP, ST, CER, 50V, 470pF, 5%, SL
C1410, 1412	8233500561	CAP, ST, CER, 50V, 560pF, 5%, SL
C1404	8232006475	CAP, VT, ALU, 50V, 4.7uF, 20%, AS
C1403	8233500102	CAP, ST, CER, 50V, 0.001uF, 10%, YB
C1402, 1409, 1411	8233500222	CAP, ST, CER, 50V, 0.0022uF, 10%, YB
MISCELLANEOUS		
L1404, 1405	8242221000	COIL, VT, 330uH
L1401, 1403	8242222000	COIL, VT, 470uH
L1402	8242223000	COIL, VT, 68uH
CN20		CONNECTOR, PCB

6. INTERFACE PCB ASSY

Ref.No.	Parts No.	DISCRIPTION
	8273989000	PCB ASSY, INTERFACE
	8251463000	PLAIN PCB, INTERFACE
IC's		
IC3401	8236044000	IC, SOP, DG, INTERFACE, CS8402A-CS
IC3402	8236054400	IC, DIP, DG, INTERFACE, MC34050P
IC3101, 3201	8236044100	IC, DIP, AN, OPAMP, M5238AP
IC3102, 3202	8236044200	IC, DIP, AN, OPAMP, NJM5532DD
IC3301	8236032101	IC, AN, REGULATOR, NJM7805FA
IC3403, 3404	8236560000	IC, SOP, DG, CMOS, TC74HC00AF
TRANSISTORS		
Q3108, 3110, 3208, 3210	8234500005	TR, ST, PNP, 2SA1037K
Q3112, 3114, 3212, 3214	8234105700	TR, VT, PNP, 2SB649A
Q3101, 3102, 3107, 3109	8234600305	TR, ST, NPN, 2SC2412K
Q3201, 3202, 3207, 3209	8234600305	TR, ST, NPN, 2SC2412K
Q3103, 3104, 3105, 3106	8234600202	TR, ST, NPN, 2SC3326
Q3203, 3204, 3205, 3206	8234600202	TR, ST, NPN, 2SC3326
Q3111, 3113, 3211, 3213	8234105800	TR, VT, NPN, 2SD669A
DIODES		
D3401, 3403	8234502800	D, ST, ARRAY, DAN202K
D3402, 3404	8234502900	D, ST, ARRAY, DAP202K
D3101, 3201, 3405, 3406	8234503000	D, ST, DA119
RESISTORS		
R3405	8230574121	RES, HT, CARBON, 1/2W, 120, 5%
R3406, 3407	8230574220	RES, HT, CARBON, 1/2W, 22, 5%
R3134-3137, 3234-3237	8230138100	RES, HT, CARBON, 1/4W, 10, 5%
R3143, 3144, 3243, 3244	8230138102	RES, HT, CARBON, 1/4W, 1k, 5%
R3126-3129, 3226-3229	8230138103	RES, HT, CARBON, 1/4W, 10k, 5%
R3106, 3107, 3206, 3207	8230138104	RES, HT, CARBON, 1/4W, 100k, 5%
R3140, 3141, 3240, 3241	8230138220	RES, HT, CARBON, 1/4W, 22, 5%
R3108, 3112, 3208, 3212	8230138221	RES, HT, CARBON, 1/4W, 220, 5%
R3101, 3102, 3138, 3139	8230138474	RES, HT, CARBON, 1/4W, 470k, 5%
R3201, 3202, 3238, 3239	8230138474	RES, HT, CARBON, 1/4W, 470k, 5%
R3110, 3111, 3210, 3211	8230148152	RES, HT, METAL, 1/4W, 1.5k, 1%
R3109, 3113, 3209, 3213	8230148202	RES, HT, METAL, 1/4W, 2k, 1%
R3114-3117, 3214-3217	8230148203	RES, HT, METAL, 1/4W, 20k, 1%
R3104, 3204	8230148272	RES, HT, METAL, 1/4W, 2.7k, 1%
R3103, 3105, 3203, 3205	8230148392	RES, HT, METAL, 1/4W, 3.9k, 1%
R3118-3121, 3218-3221	8230148473	RES, HT, METAL, 1/4W, 47k, 1%
R3401	8230500103	RES, ST, CARBON, 1/10W, 10k, 5%
R3145, 3146, 3245, 3246	8230500105	RES, ST, CARBON, 1/10W, 100k, 5%

Ref.No.	Parts No.	DISCRIPTION
R3130-3133, 3230-3233	8230500221	RES, ST, CARBON, 1/10W, 220, 5%
R3122-3125, 3222-3225	8230500302	RES, ST, CARBON, 1/10W, 3k, 5%
R3403, 3404	8230500331	RES, ST, CARBON, 1/10W, 330, 5%
R3142, 3242	8230500333	RES, ST, CARBON, 1/10W, 33k, 5%

CAPACITORS

C3108, 3109, 3208, 3209	8233500100	CAP, ST, CER, 50V, 10pF, 0.5pF, CH
C3411, 3412	8233500100	CAP, ST, CER, 50V, 10pF, 0.5pF, CH
C3303	8232142227	CAP, VT, ALU, 10V, 220uF, 20%, AS
C3116, 3117, 3216, 3217	8232144337	CAP, VT, ALU, 25V, 330uF, 20%, AS
C3301, 3304	8232144337	CAP, VT, ALU, 25V, 330uF, 20%, AS
C3401, 3403, 3405, 3407	8232143476	CAP, VT, ALU, 16V, 47uF, 20%, AS
C3121, 3221	8232144107	CAP, VT, ALU, 25V, 100uF, 20%, NA
C3106, 3107, 3112-3115	8232146226	CAP, VT, ALU, 50V, 22uF, 20%, NA
C3206, 3207, 3212-3215	8232146226	CAP, VT, ALU, 50V, 22uF, 20%, NA
C3102-3105, 3202-3205	8232146476	CAP, VT, ALU, 50V, 47uF, 20%, NA
C3302, 3402, 3404, 3406	8233500104	CAP, ST, CER, 50V, 0.1uF, +80/-20%, YF
C3408-3410, 3413-3415	8233500104	CAP, ST, CER, 50V, 0.1uF, +80/-20%, YF

MISCELLANEOUS

L3401, 3402	8256145000	FILTER, EMI, 332TA
J3402		CABLE, 4P
J3308		CABLE, 5P
J3401		CABLE, 6P
J3309, 3310		CABLE, LEAD
J3403		CONNECTOR,
J3303		CONNECTOR ASSY, 4P
J3304		CONNECTOR ASSY, 6P
KN3301, 3401		TERMINAL, GND
CN3404		CONNECTOR, 11P
CN3306		CONNECTOR, 5P
CN3301, 3305		CONNECTOR, 6P
CN3302		CONNECTOR, JUMPER, 6P
CN3307		CONNECTOR, JUMPER, 5P
RY3101, 3201	8248022000	RELAY

7. DIGITAL I/O PCB ASSY

Ref.No.	Parts No.	DESCRIPTION
	8273990000	PCB ASSY, DIGITAL I/O
	8251464000	PLAIN PCB, DIGITAL I/O

CAPACITORS

C3604, 3605	8233500470	CAP, ST, CER, 50V, 47pF, 5%, CH
C3601, 3602, 3603	8233500104	CAP, ST, CER, 50V, 0.1uF, +80/-20%, YF

MISCELLANEOUS

L3601-3604	8256146000	FILTER, NOISE, ZBF503D
CN3601	8245227000	CONNECTOR, CANNON, XLR31
J3604		CABLE, 5P
CN3602	8245278000	CONNECTOR, CANNON, XLR32
CN3603		CONNECTOR, 11P

8. OPTICAL I/O PCB ASSY

Ref.No.	Parts No.	DESCRIPTION
	8273991000	PCB ASSY, OPTICAL I/O
	8251465000	PLAIN PCB, OPTICAL I/O

IC's

IC3701	8236504100	IC, ST, DG, CMOS, TC7SU04F
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TRANSISTORS

Q3701-3704	8236570401	IC, ST, DG, DRIVER, DTA114EK
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RESISTORS

R3702	8230500122	RES, ST, CARBON, 1/10W, 1.2k, 5%
R3703	8230500182	RES, ST, CARBON, 1/10W, 1.8k, 5%
R3701	8230500222	RES, ST, CARBON, 1/10W, 2.2k, 5%
R3704	8230500332	RES, ST, CARBON, 1/10W, 3.3k, 5%
R3706	8230500470	RES, ST, CARBON, 1/10W, 47, 5%
R3707-3710	8230500472	RES, ST, CARBON, 1/10W, 4.7k, 5%
R3705	8230500822	RES, ST, CARBON, 1/10W, 8.2k, 5%

CAPACITORS

C3701, 3705	8232143476	CAP, VT, ALU, 16V, 47uF, 20%, AS
C3709-3712	8233500103	CAP, ST, CER, 50V, 0.01uF, +80/-20%, YF
C3702-3704, 3706-3708	8233500104	CAP, ST, CER, 50V, 0.1uF, +80/-20%, YF

MISCELLANEOUS

L3701	8242053000	COIL, VT, 150uH
L3702	8256145000	FILTER, EMI, 332TA
CN3703	8245279000	CONNECTOR, DIN, 5P
JA3701	8256147000	MODULE, OPTICAL, RX
JA3702	8256148000	MODULE, OPTICAL, TX
CN3701		CONNECTOR, JUMPER, 5P

9. BALANCE IN PCB ASSY

Ref.No.	Parts No.	DESCRIPTION
	8273992000	PCB ASSY, BALANCE IN
	8251466000	PLAIN PCB, BALANCE IN

CAPACITORS

C3501, 3502	8232601473	CAP, ST, FLM, 50V, 0.047uF, 5%, YA
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MISCELLANEOUS

CN3501, 3502	8245277000	CONNECTOR, CANNON, XLR31
J3505		CONNECTOR ASSY, 6P

10. BALANCE OUT UNIT

Ref.No.	Parts No.	DESCRIPTION
	8273993000	BALANCE OUT UNIT
	8251467000	PLAIN PCB, BALANCE OUT

CAPACITORS

C3504, 3505, 3507, 3508	8233042333	CAP, VT, FLM, 50V, 0.033uF, 5%, TY
C3503, 3506	8233042473	CAP, VT, FLM, 50V, 0.047uF, 5%, TY

MISCELLANEOUS

CN3503, 3504	8245278000	CONNECTOR, CANNON, XLR32
CN3506		CONNECTOR, 6P

11. DISPLAY A PCB ASSY

Ref.No.	Parts No.	DESCRIPTION
	8273985000	PCB ASSY, DISPLAY A
	8251468000	PLAIN PCB, DISPLAY A

IC's

IC1602	8236044300	IC, SOP, DG, EEPROM, AT24C01-10PC
IC1601	8236044400	IC, QFP, DG, MODE CTRL, PDG120A

RESISTORS

R1615	8230036473	RES, VT, ARRAY, 47k x4
R1611-1614	8230059473	RES, VT, ARRAY, 47k x6
R1616, 1620	8230138122	RES, HT, CARBON, 1/6W, 1.2k, 5%
R1621	8230138153	RES, HT, CARBON, 1/6W, 15k, 5%
R1617	8230138182	RES, HT, CARBON, 1/6W, 1.8k, 5%
R1601	8230138223	RES, HT, CARBON, 1/6W, 22k, 5%
R1618	8230138332	RES, HT, CARBON, 1/6W, 3.3k, 5%
R1602	8230138392	RES, HT, CARBON, 1/6W, 3.9k, 5%
R1627	8230138470	RES, HT, CARBON, 1/6W, 47, 5%
R1606, 1609, 16010	8230138472	RES, HT, CARBON, 1/6W, 4.7k, 5%
R1624-1626	8230138472	RES, HT, CARBON, 1/6W, 4.7k, 5%
R1603-1605, 1607, 1608	8230138473	RES, HT, CARBON, 1/6W, 47k, 5%

CAPACITORS

C1605	8232143226	CAP, VT, ALU, 16V, 22uF, 20%, AL
C1601, 1603	8232143476	CAP, VT, ALU, 16V, 47uF, 20%, AL
C1602, 1604	8232803473	CAP, VT, CER, 50V, 0.047uF, +80/-20%, YF
C1606	8232803103	CAP, VT, CER, 50V, 0.01uF, +80/-20%, YF

MISCELLANEOUS

S1601, 1612	8253441000	SW, ROTARY
S1602-1605, 1607, 1608	8253444000	SW, TACT
	8256149000	MODULE, REMOTE
V1601	8256150000	MODULE, DISPLAY, FL
	8212551000	HOLDER, FL
X1601	8256151000	RESONATOR, CER, 4.19MHz
J17		CABLE, 14P
J16		CABLE, 7P

12. DISPLAY B PCB ASSY

Ref.No.	Parts No.	DESCRIPTION
	8273986000	PCB ASSY, DISPLAY B
	8251469000	PLAIN PCB, DISPLAY B

DIODES

D1503	8234204400	LED, GL3HY43
D1502	8234503100	LED, SEL6C10R
D1501	8234503200	LED, SEL6410E

RESISTORS

R1507, 1511, 1515	8230138122	RES, HT, CARBON, 1/6W, 1.2k, 5%
R1501, 1503	8230138181	RES, HT, CARBON, 1/6W, 180, 5%
R1508, 1512, 1516	8230138182	RES, HT, CARBON, 1/6W, 1.8k, 5%
R1502	8230138221	RES, HT, CARBON, 1/6W, 220, 5%
R1509, 1513	8230138332	RES, HT, CARBON, 1/6W, 3.3k, 5%
R1504-1506	8230138472	RES, HT, CARBON, 1/6W, 4.7k, 5%
R1510, 1514	8230138822	RES, HT, CARBON, 1/6W, 8.2k, 5%

MISCELLANEOUS

S1501-1513	8253442000	SW, TACT
J12		CABLE, 8P

13. VR PCB ASSY

Ref.No.	Parts No.	DESCRIPTION
	8273984000	PCB ASSY, VR
	8251470000	PLAIN PCB, VR

RESISTORS

VR1101	8240260000	VOLUME, 10kA X 2
VR1102	8240261000	VOLUME, 10kMN X 2
R1101, 1102	8230138202	RES, HT, CARBON, 1/6W, 2k, 5%




MISCELLANEOUS

J14		CABLE, 6P
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14. HEADPHONE PCB ASSY




Ref.No.	Parts No.	DESCRIPTION
	8273981000	PCB ASSY, HEADPHONE
	8251471000	PLAIN PCB, HEADPHONE
IC's		
IC1001	8236044500	IC, DIP, AN, OPAMP, M5216L
RESISTORS		
R1007, 1008	8230120470	RES, HT, FUSE, 1/6W, 47
VR1001	8240262000	VOLUME
R1001, 1002	8230138122	RES, HT, CARBON, 1/6W, 1.2k, 5%
R1003, 1004	8230138163	RES, HT, CARBON, 1/6W, 16k, 5%
R1005, 1006	8230138221	RES, HT, CARBON, 1/6W, 220, 5%
CAPACITORS		
C1001, 1005, 1006	8232145336	CAP, VT, ALU, 35V, 33uF, 20%, AS
C1002, 1003	8232032103	CAP, VT, CER, 50V, 0.01uF, +80/-20%, YF
MISCELLANEOUS		
L1003, 1004	8256152000	FILTER, NOISE, ZBF503D-00
L1001, 1005	8256146000	FILTER, NOISE, ZBF503D-00TA
L1002	8256153000	FILETER, EMI, ZJSR5101-102
J29		CABLE, LEAD
JA1001	8245280000	CONNECTOR, JACK, PHONE, STEREO
J13		CONNECTOR ASSY, 5P

15. POWER SW PCB ASSY

Ref.No.	Parts No.	DESCRIPTION
	8273982000	PCB ASSY, POWER SW
	8251472000	PLAIN PCB, POWER SW
CAPACITORS		
 C1201-1203	8256154000	SPARK KILLER
MISCELLANEOUS		
 L1201	8256155000	FILTER, LINE
J23		CABLE ASSY
J22		CABLE ASSY
 S1201	8253443000	SW, POWER
RKR1002-A-T		

16. POWER PCB ASSY

Ref.No.	Parts No.	DESCRIPTION
	8273987000	PCB ASSY, POWER
	8251473000	PLAIN PCB, POWER
IC's		
 IC406, 407	8236504200	IC, VT, DG, PROTECTOR, ICP-N20
 IC402	8236032101	IC, AN, REGULATOR, NJM7805A






 IC401
 IC404
 IC405

8236032104 IC, AN, REGULATOR, NJM7809A
 8236032106 IC, AN, REGULATOR, NJM7815A
 8236034806 IC, AN, REGULATOR, NJM7915A




TRANSISTORS

Q401 8234503300 TR, VT, PNP, 2SA1283

DIODES

 D408-411 8234105900 D, HT, EL1Z-LFG1
 D404 8234503400 D, HT, ZENER, MTZJ3.3A
 D405 8234106000 D, HT, ZENER, RD15FB
 D401 8234106100 D, HT, STACK, S2VB20
 D406, 407 8234503500 D, HT, 1SS254
 D402, 403, 415-417 8234503600 D, HT, 11ES2-T

RESISTORS

 R401 8230120470 RES, HT, FUSE, 1/6W, 47
 R402 8230121470 RES, HT, FUSE, 1/4W, 47
 R403 8230041222 RES, HT, NFLAME, 1/2W, 2.2k, 5%
 R405 8230056332 RES, HT, CARBON, 1/6W, 3.3k, 5%
 R404 8230056752 RES, HT, CARBON, 1/6W, 7.5k, 5%

CAPACITORS

C405 8232006225 CAP, VT, ALU, 50V, 2.2uF, 20%, AS
 C408, 409 8232004227 CAP, VT, ALU, 25V, 220uF, 20%, AS
 C403 8232006227 CAP, VT, ALU, 50V, 220uF, 20%, AS
 C407 8232005228 CAP, VT, ALU, 35V, 2200uF, 20%, AS
 C404 8232005476 CAP, VT, ALU, 35V, 47uF, 20%, AS
 C411 8232003478 CAP, VT, ALU, 16V, 4700uF, 20%, AS
 C412 8232050104 CAP, VT, CER, 25V, 0.1uF, +80/-20%, YF
 C413 8232050103 CAP, VT, CER, 50V, 0.01uF, +80/-20%, YF
 C414 8232026103 CAP, VT, PES, 50V, 0.01uF, 5%, MA
 C401 8232004688 CAP, V, ALU, 25V, 6800uF
 C406 8232005478 CAP, V, ALU, 35V, 4700uF

MISCELLANEOUS

J10 CABLE, 5P
 J11 CABLE, 5P
 J26 JUMPER
 CN16 CONNECTOR, JUMPER, 7P
 SHEILD
 HEATSINK
 HOLDER, FUSE
 HEATSINK
 TERMINAL, GND

17. TRANS PCB ASSY

Ref.No.	Parts No.	DESCRIPTION
	8273988000	PCB ASSY, TRANS
	8251474000	PLAIN PCB, TRANS

CAPACITORS

⚠	C1301, 1302, 1306, 13078232803103	CAP, VT, CER, 50V, 0.01uF, +80/-20%, YF
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MISCELLANEOUS

J20		CABLE, 3P
J19		CABLE, 8P

18. RF UNIT

Ref.No.	Parts No.	DESCRIPTION
	8273996000	PCB ASSY, RF UNIT
	8251475000	PLAIN PCB, RF UNIT

IC's

IC301	8236044600	IC, AN, RF AMP, HA12154MA
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TRANSISTORS

Q303, 304	8234106200	TR, ST, NPN, 2SD1328
Q301, 302	8234106300	TR, ST, FET, 2SK932

RESISTORS

VR303, 304	8240263102	R-TRIM, ST, 1k
VR301, 306	8240264472	R-TRIM, ST, 4.7k
VR302, 305	8240265682	R-TRIM, ST, 6.8k
R319	8230500102	RES, ST, CARBON, 1/10W, 1k, 5%
R301, 302	8230500162	RES, ST, CARBON, 1/10W, 1.6k, 5%
R315, 316	8230500183	RES, ST, CARBON, 1/10W, 18k, 5%
R317, 318	8230500202	RES, ST, CARBON, 1/10W, 2k, 5%
R309-314	8230500203	RES, ST, CARBON, 1/10W, 20k, 5%
R322	8230500271	RES, ST, CARBON, 1/10W, 270, 5%
R323-326	8230500301	RES, ST, CARBON, 1/10W, 300, 5%
R305, 306	8230500471	RES, ST, CARBON, 1/10W, 470, 5%
R321	8230500681	RES, ST, CARBON, 1/10W, 680, 5%
R320	8230500821	RES, ST, CARBON, 1/10W, 820, 5%
R307, 308	8230500223	RES, ST, CARBON, 1/10W, 22k, 5%
R303, 304, 327	8230500303	RES, ST, CARBON, 1/10W, 30k, 5%

CAPACITORS

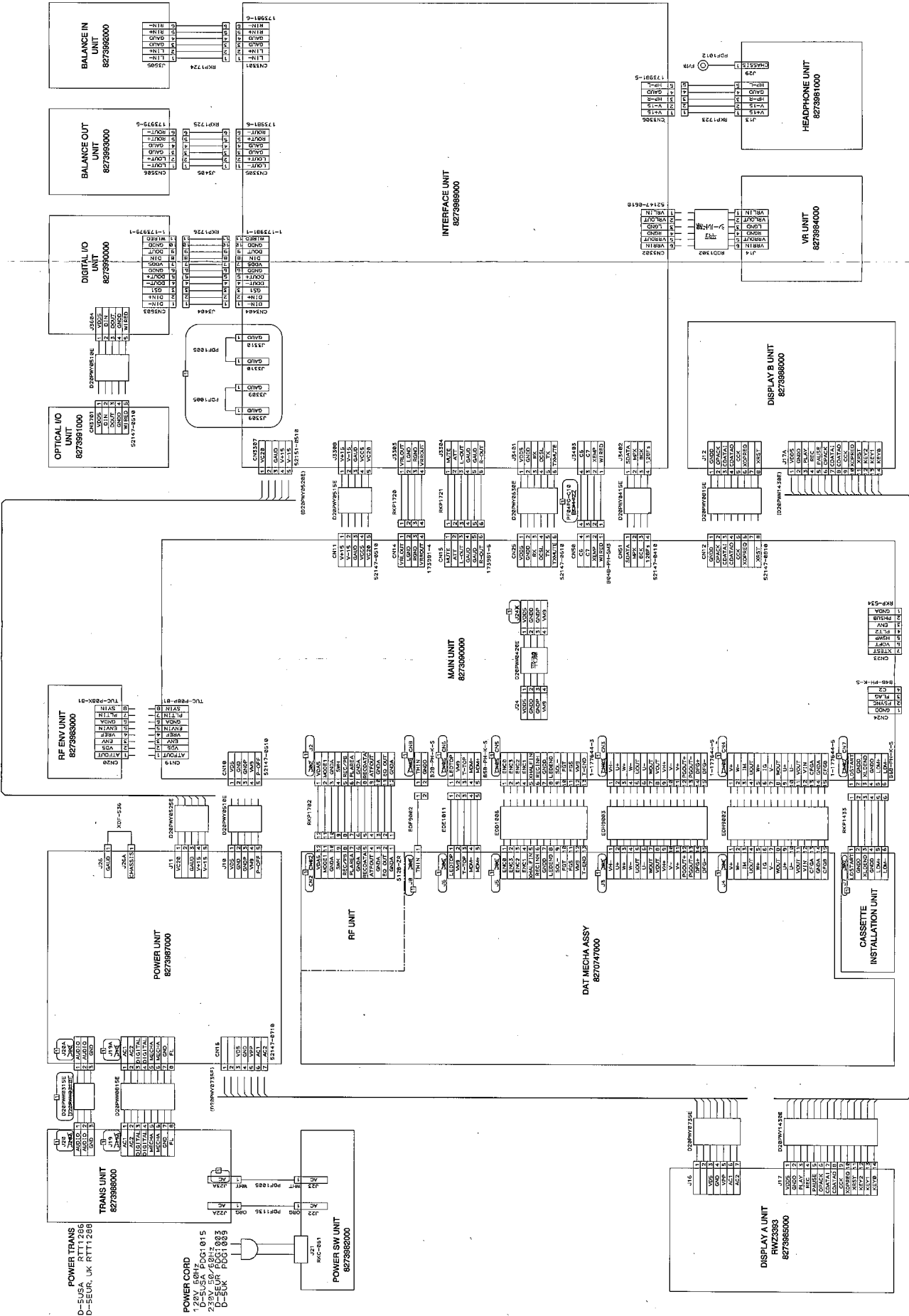
C320	8233500101	CAP, ST, CER, 50V, 100pF, 5%, CH
C327	8233500121	CAP, ST, CER, 50V, 120pF, 5%, CH
C329	8233500150	CAP, ST, CER, 50V, 15pF, 5%, CH
C328	8233500271	CAP, ST, CER, 50V, 270pF, 5%, CH
C330	8233500330	CAP, ST, CER, 50V, 33pF, 5%, CH

C323	8233500391	CAP, ST, CER, 50V, 390pF, 5%, CH
C319	8233500471	CAP, ST, CER, 50V, 470pF, 5%, CH
C324	8233500820	CAP, ST, CER, 50V, 82pF, 5%, CH
C335, 337	8233001107	CAP, ST, ALU, 6.3V, 100uF, 20%
C309	8233001226	CAP, ST, ALU, 6.3V, 22uF, 20%
C333	8233001476	CAP, ST, ALU, 6.3V, 47uF, 20%
C339	8233004475	CAP, ST, ALU, 25V, 4.7uF, 20%
C301-304, 307, 308	8233500103	CAP, ST, CER, 50V, 0.01uF, 10%, YB
C310-318, 321, 322	8233500103	CAP, ST, CER, 50V, 0.01uF, 10%, YB
C325, 326, 331, 332, 340	8233500103	CAP, ST, CER, 50V, 0.01uF, 10%, YB
C334, 336, 338, 341	8233504104	CAP, ST, CER, 25V, 0.1uF, 10%, YB
C305, 306	8233500472	CAP, ST, CER, 50V, 4700pF, 10%, YB
C342	8232229000	CAP, ST, TNT, 6.3V, 22uF

MISCELLANEOUS

L301	8242224000	COIL, ST, 330uH
CN1		CONNECTOR, S6B-PH-K-S
CN2		CONNECTOR, S12B-ZR

WIRING DIAGRAM



POWER TRANS
D-5EUR, UK RT11288

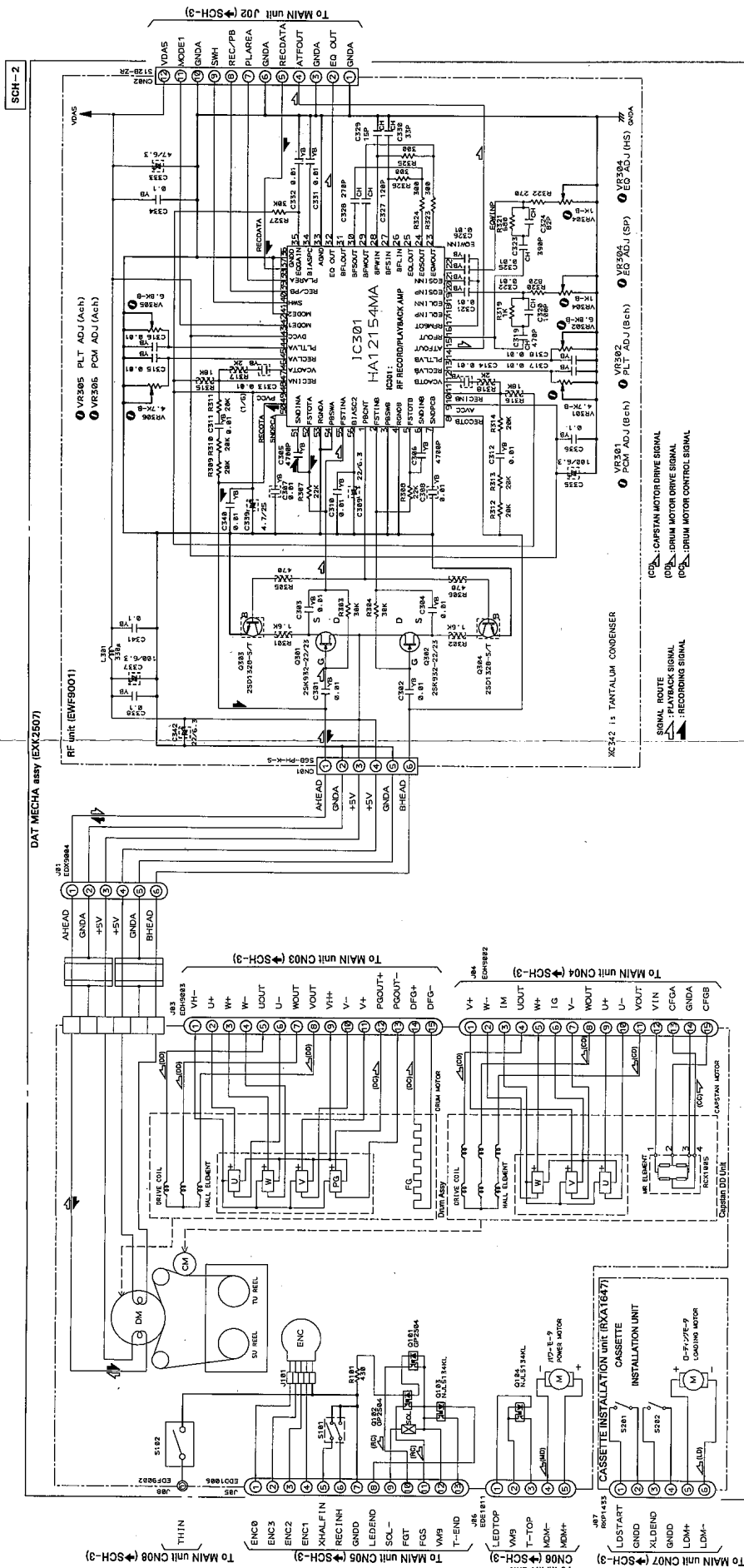
POWER SW UNIT
8273982000

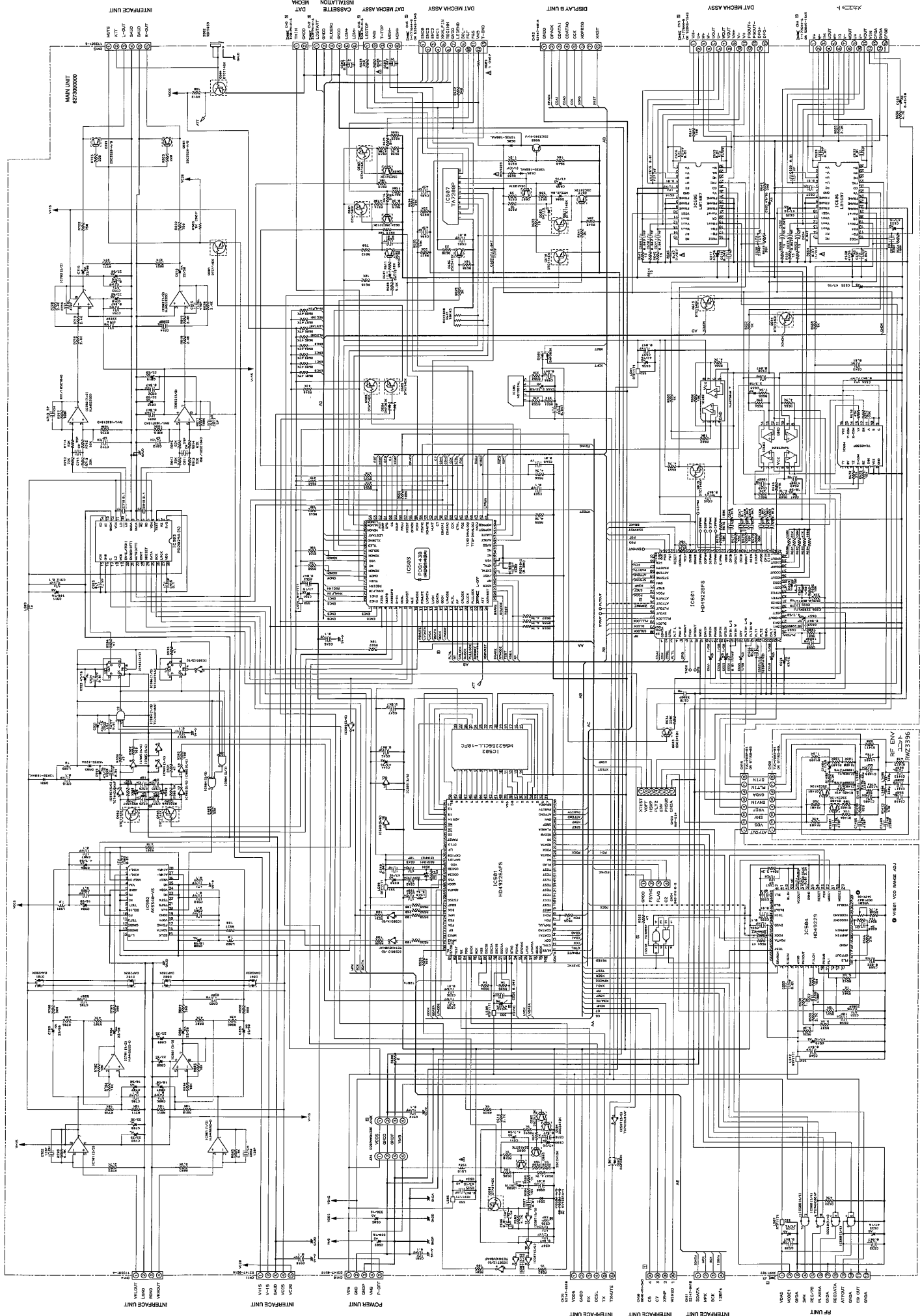
TRANS UNIT
827398000

POWER UNIT
8273987000

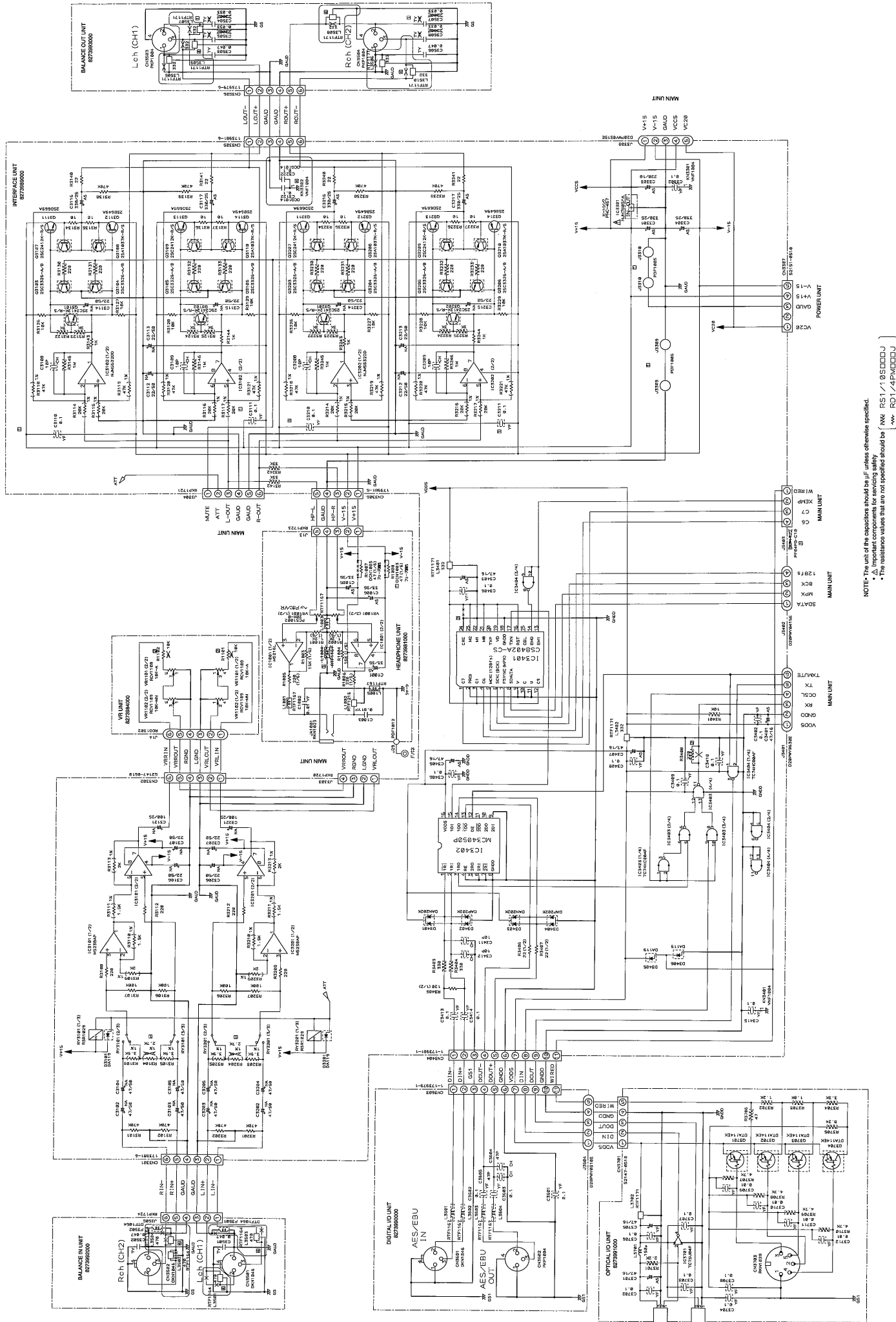
POWER CORD
125V 60Hz POC015
230V 50/60Hz
D-5EUR POC0032
D-5EUR POC0033

DAT MECHA ASSY, RF UNIT





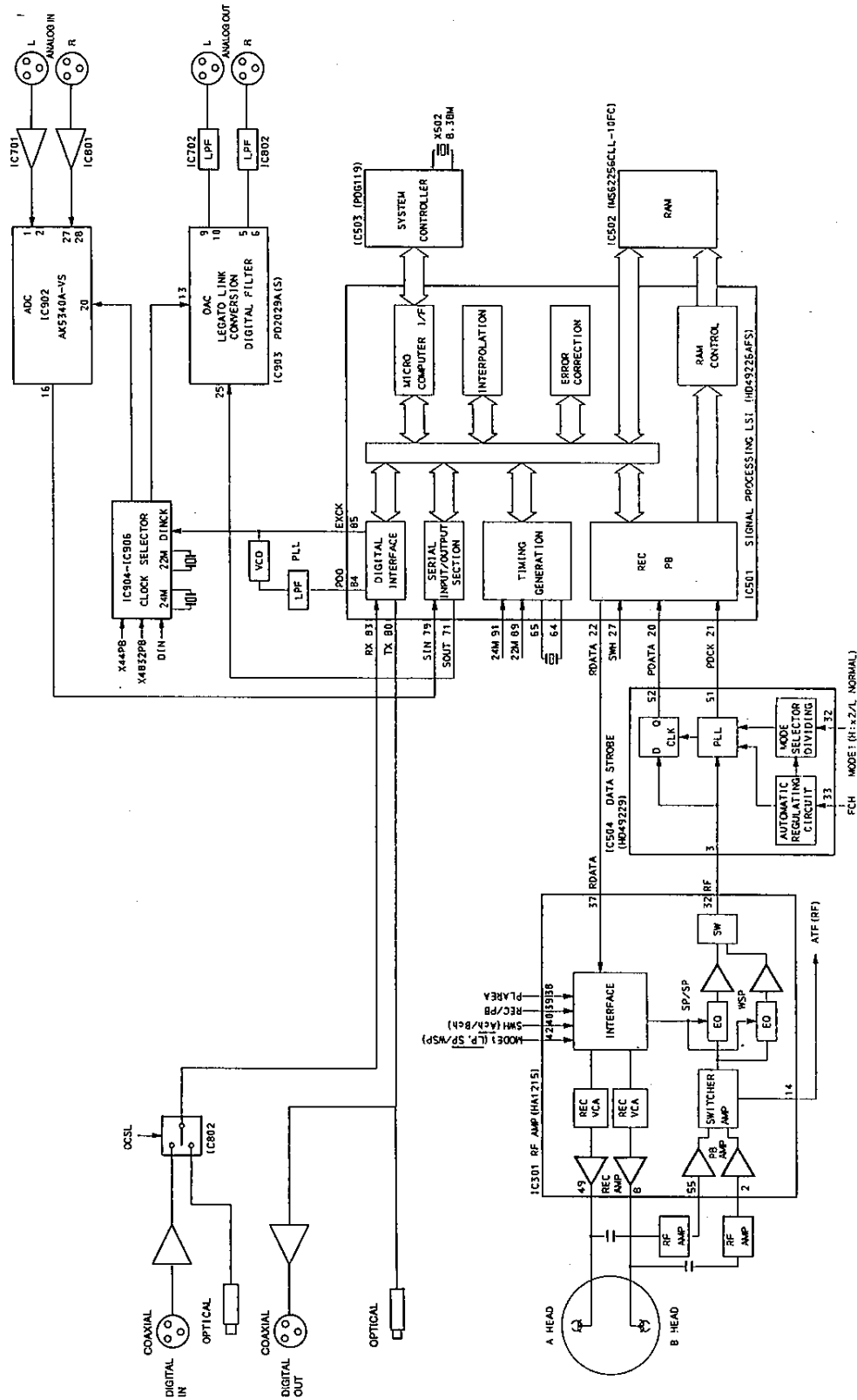
NOTE: The unit of the capacitors should be μF unless otherwise specified.
 * The resistance values that are not specified should be $100\ \text{k}\Omega$ (RS27) / $100\ \text{k}\Omega$ (RS22L).



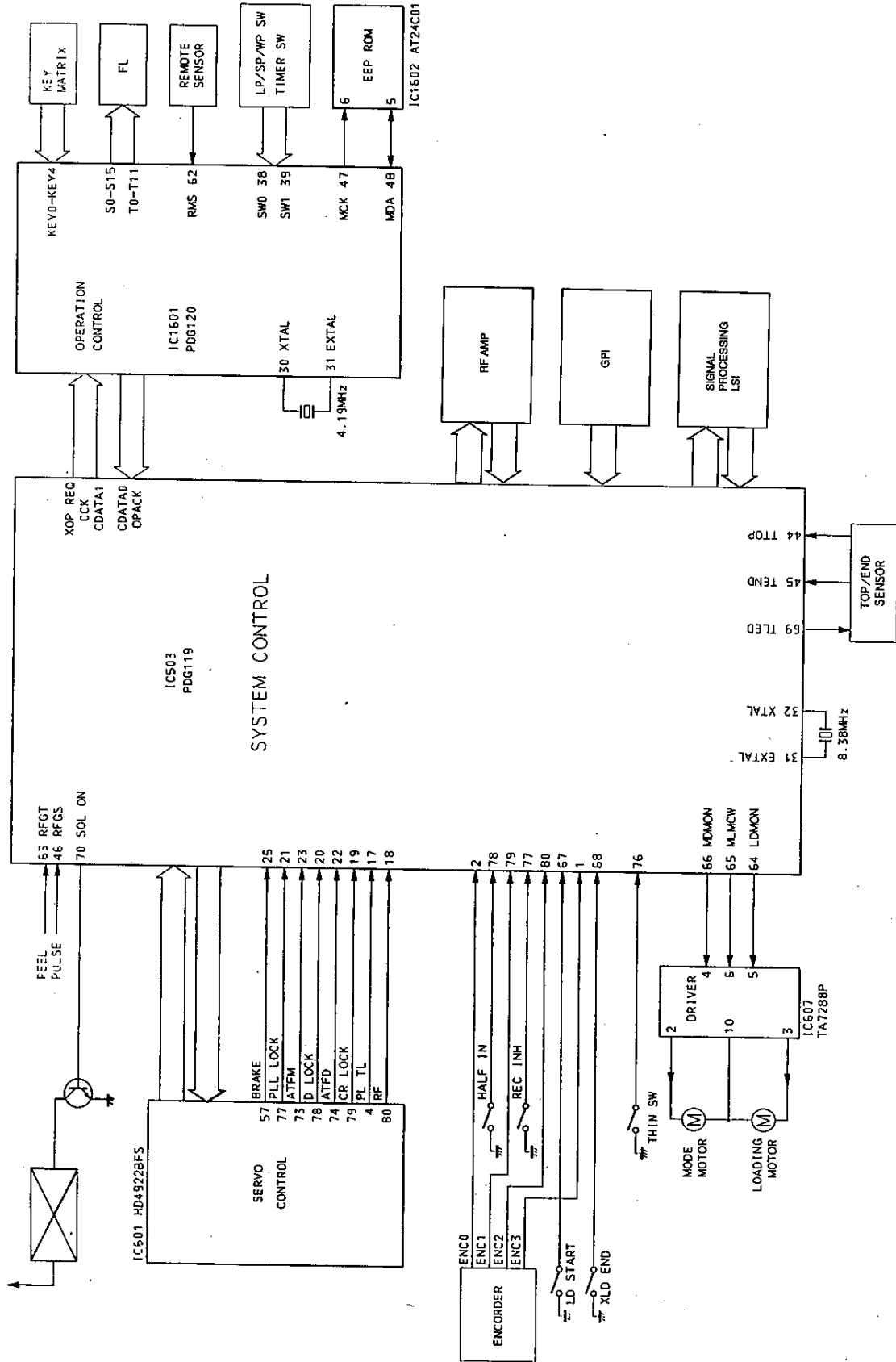
NOTE: The unit of the capacitor should be μF unless otherwise specified.
 * Important components for replacement safety.
 * The resistance values that are not specified should be Ω (xx), $k\Omega$ (xxk), $M\Omega$ (xxM).

BLOCK DIAGRAM

Signal Processing Block Diagram



System Control Block Diagram



Fostex

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FOSTEX CORPORATION OF AMERICA 15431, Blackburn Ave., Norwalk, CA 90650, U.S.A.

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