SANYO RETAIL PRODUCT INFORMATION SHEET

MODEL: **DCF 300**

MINI SYSTEM

	FEATURES	BENEFITS
1	**Front loading three disc changer**	Providing the versatility of mixing music selection from three discs, the option of programming up to 32 tracks of playback between the discs, random play and repeat functions.
2.	**Power output 50 W/Channel RMS**	Plenty of power whatever your music tastes are.
3.	**S R S - Sound Retrieval System** • **4 mode sound presets**	Retrieves the spatial information from music recordings and restores the original three-dimensional surround sound field as if it were to be heard live by the human ear. 4 x sound presets include ; rock, pop, jazz and classic.
4.	**Full Logic Double Tape Deck Section** • **Auto reverse (playback)** • **Dolby B NR** • **High speed dubbing** • **Electronic tape counter**	Twin decks for your convenience, enabling recording from CD or tape to tape, with the option of normal or high speed dubbing. Dolby B noise reduction eliminates background hiss in cassette recordings, plus there's the added advantage of an electronic tape counter for accurate counter readings.
	Also featuring: • **36 preset AM/FM synthesiser tuner** • **Multi function fluorescent display** • **Clock / Timer function** • **Video input** • **Processor in/out terminal with sys. conn.** • **Sub woofer output terminal** • **39 key remote control** • **3 way speakers with removable grills**	*Versatility plus!* The sub-woofer output terminal enables easy connection to a sub-woofer, whilst the processor in/out terminals and system connection offer full compatibility with a Sanyo HTD47 or similar Dolby Pro-logic processor or decoder

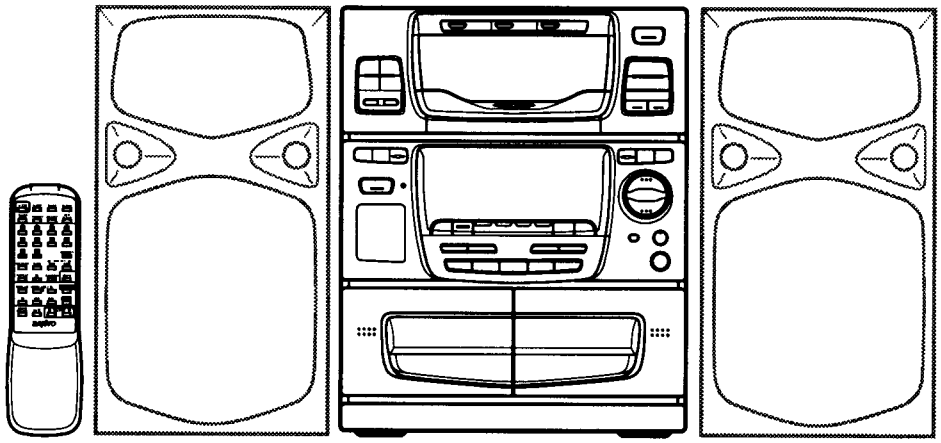
*** Specifications subject to change without notice.**

SANYO

FILE NO. E-2526

Service Manual

Mini Component System DC-F300 (AU)



CONTENTS

PRODUCT CODE No.
129 508 05 (AU)

This service manual consists of "DC-F300U" (Main unit), "RB-F300VD" (Remote control) and "SX-F300L,R" (Speaker system).

REFERENCE No. SM580801

SPECIFICATIONS

Tuner section

Reception frequency ..... FM: 87.5 - 108 MHz
AM: 522 - 1710 kHz

CD player section

Type ..... Changer, 3-disc
Channels ..... 2-channel stereo
Sampling frequency ..... 44.1 kHz
Pick-up ..... Optical 3-beam semiconductor laser
Laser output ..... 0.6 mW (Continuous wave max.)
Wave length ..... 790 nm
Frequency response ..... 20 Hz to 20 kHz
Wow/flutter ..... Below measurable limits

Cassette deck section

Track system ..... 4-track, 2-channel stereo
Frequency response ..... 50 Hz to 15 kHz (CrO_2 tape)
50 Hz to 14 kHz (Normal tape)
Signal-to-noise ratio ..... 60 dB (Dolby NR ON)
Wow/flutter ..... 0.12% (WRMS)
Fast forward/rewind time ..... Approx. 110 sec. (C-60)

Amplifier section

Output power ..... 50W X 2
(at 6 ohms,10% distortion)
Sound preset ..... Four electronic presets

Inputs ..... VIDEO IN: 400 mV(50k ohms)
PROCESSOR IN:300 mV/75k ohms
Outputs ..... PROCESSOR OUT: 430 mV
SPEAKERS: 6 ohms
PHONES: 8 - 32 ohms
Power requirements ..... AC 230 - 240 V, 50 Hz
Power consumption ..... 110 W
Dimensions ..... 270(W) x 330(H) x 320(D) mm
Weight ..... 8.7 kg

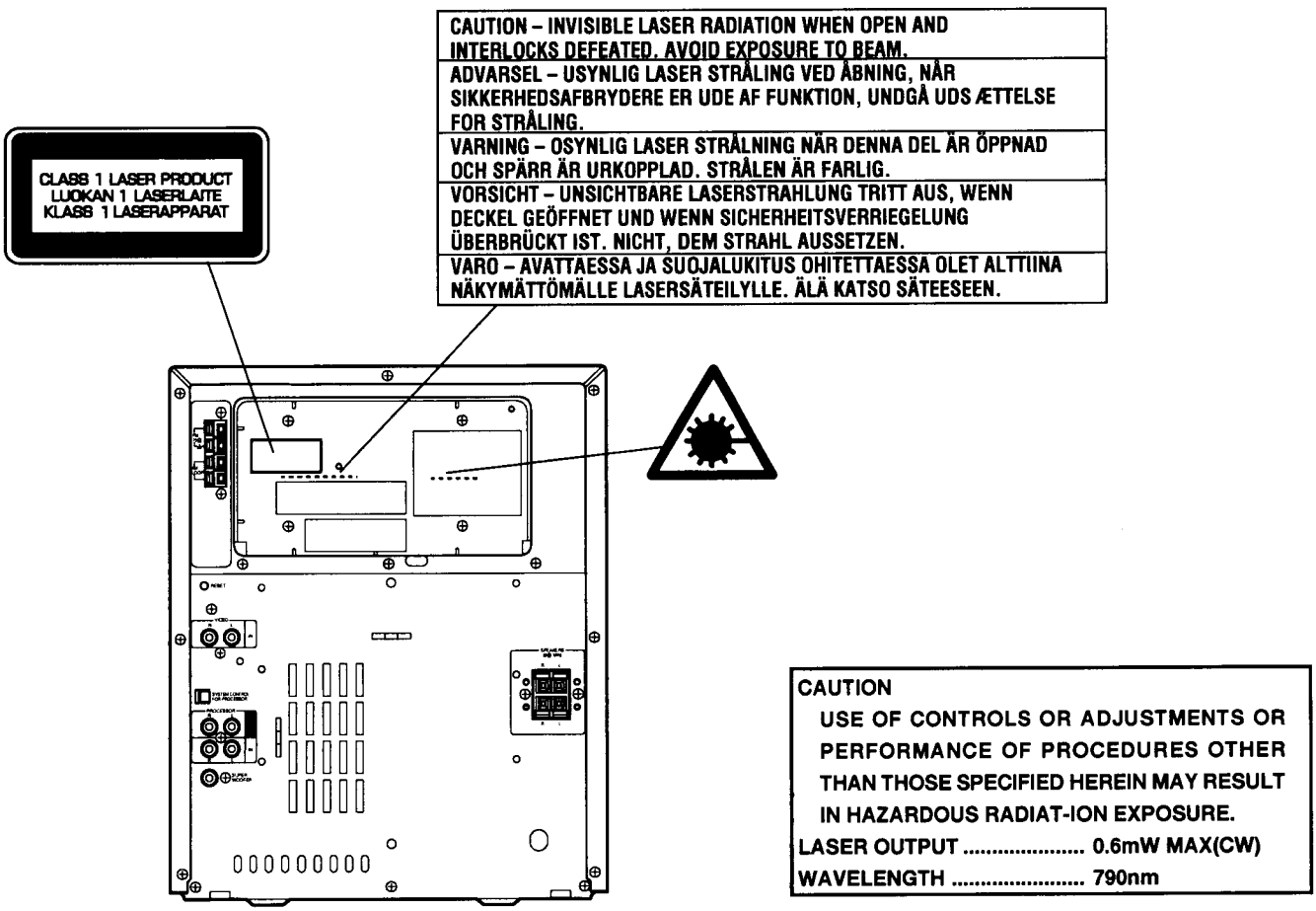
Speaker systems

Type ..... 3 way bass reflex
Unit used ..... Woofer : 13 cm cone type
Mid range : 5 cm cone type
Tweeter : piezoelectric
Maximum
power-handling capacity .... 100 W (peak)
Nominal impedance ..... 6 ohms
Dimensions ..... 180(W) x 330(H) x 262(D) mm
Weight ..... 3.3 kg (per speaker)

Specifications subject to change without notice.

LASER BEAM SAFETY PRECAUTION

• Pick-up that emits a laser beam is used in this CD player section.

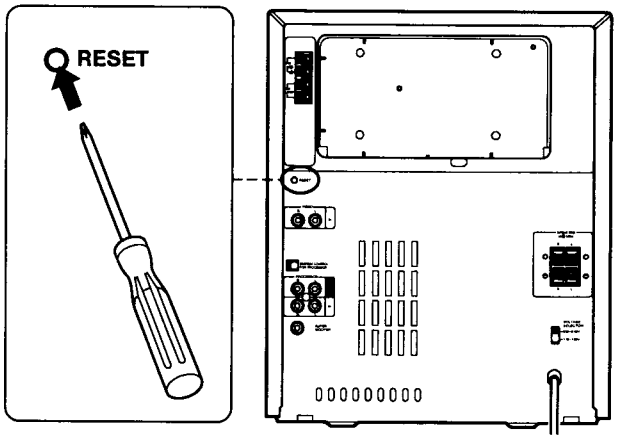


CAUTION
USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIAT-ION EXPOSURE.
LASER OUTPUT ..... 0.6mW MAX(CW)
WAVELENGTH 790nm

WHAT TO DO IF

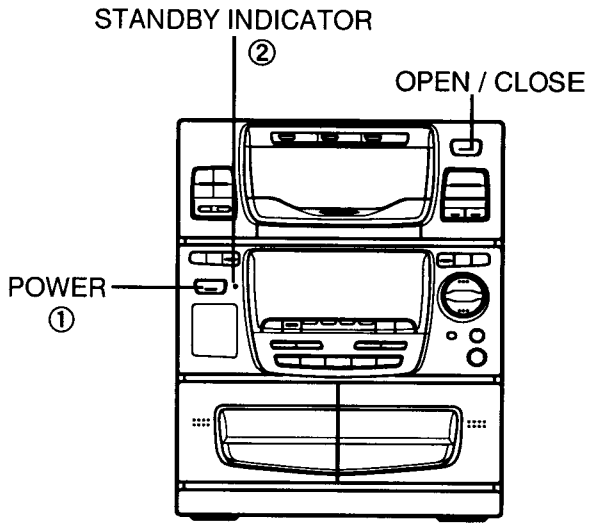
If the operation of the unit or display is not normal,or you wish to clear the contents of the memory.

1. Disconnect the power cord's plug from the electrical outlet.
2. Press the **RESET** button for at least **30** second.
3. Connect the power cord.
4. Press the **POWER** button to turn the power on.



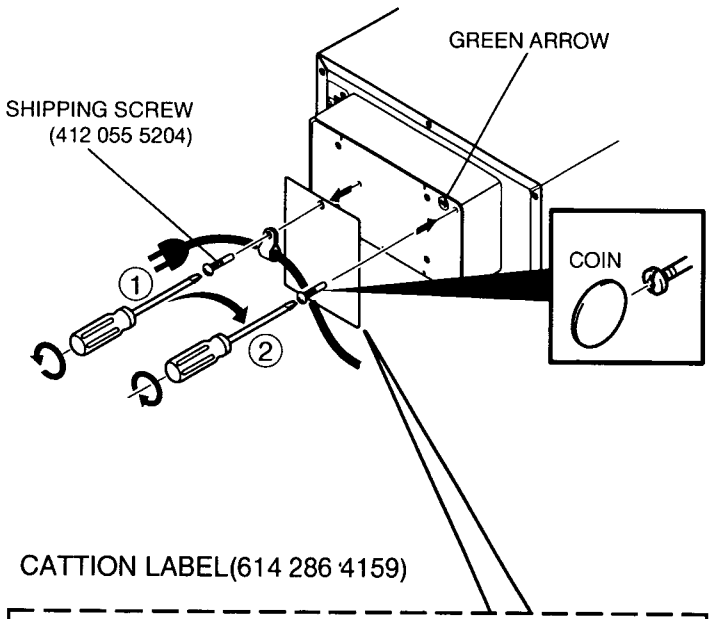
BEFORE USE OR TRANSPORTATION

1.What carrying the unit, be sure to remove any discs which be inside.
2.Press the POWER "OFF".(①)
3.CD mechanism : Moving start
4.CD mechanism : Home position
5.The STANDBY indicator "lights".(②)
6.Then unplug the power cord from the AC outlet.



• Before use

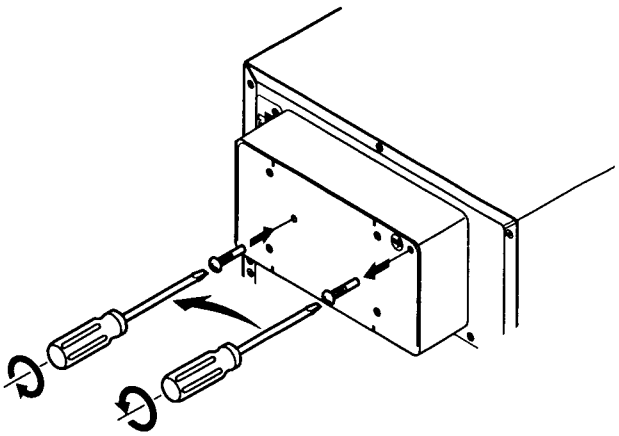
1. Remove the shipping screw from the rear of the unit.
2. This screw is used to secure the CD mechanism during shipment and should be retained for future use.



IMPORTANT!
Before use remove this shipping screw.
The removed screw should be retained by reinstalling the screw to the point indicated green arrow.

• Before transportation

1. Turn on the power and remove all discs from the unit.
2. Turn the power off. The STANDBY indicator lights.
3. Then unplug the power cord from the AC outlet.
4. Reinstall the shipping screw.

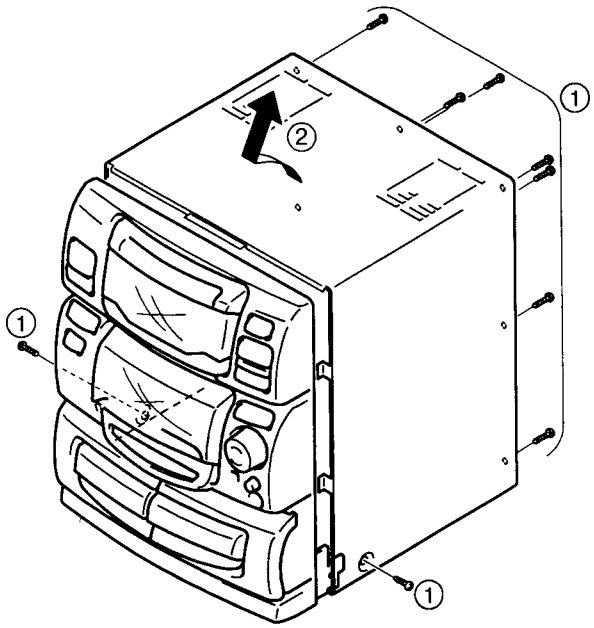


REMOVAL AND INSTALLATION

- Press the "STANDBY/ON" button and check that the STANDBY LED lights.
- Disconnect the power cord's plug from the electrical outlet.
- All wiring should be returned to the original position after work is completed.
- First have ready may the new FIXERS(614 129 2496) for replacement..
- Arrange the lead wires so that they are not near the heat sink.

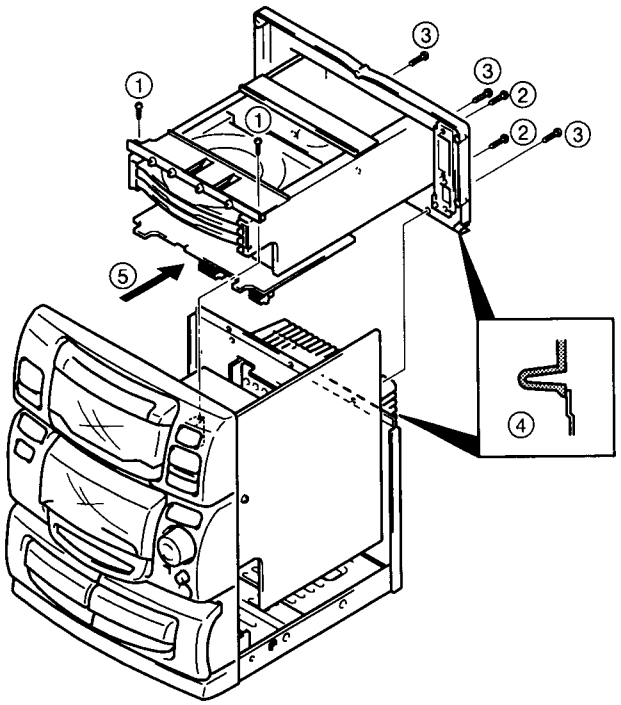
a. CABINET

1. Remove the 9 rear and side panel mounting screws.(①)



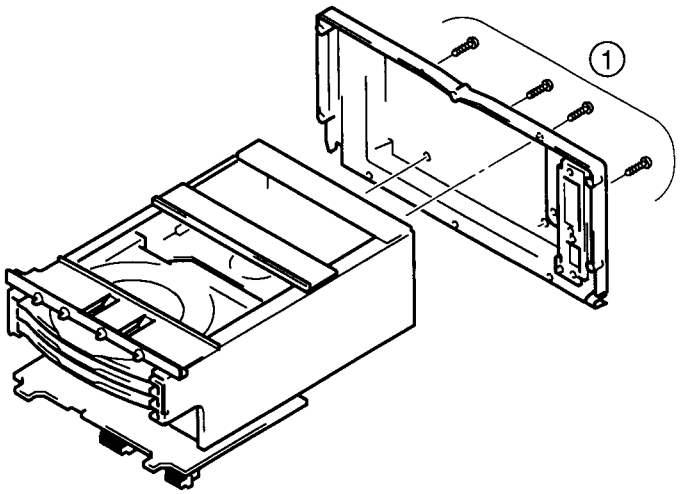
b. CD MECHANISM BLOCK

1. Remove the CD MECHANISM mounting screws. (①)
2. Remove the ANTENNA TERMINAL mounting screws. (②)
3. Remove the CD panel mounting screws. (③)
4. Remove the rear panel lock & CD P.W.Board. (④, ⑤)



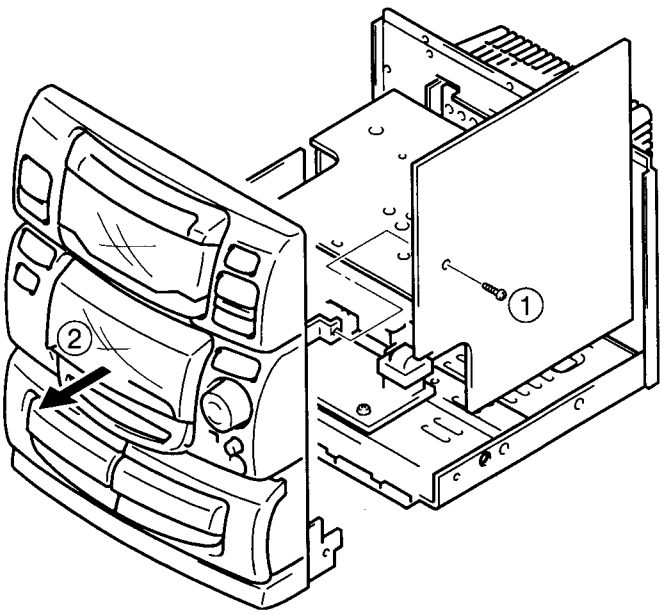
c. CD BLOCK

1. Remove the 4 CD mechanism mounting screws.(①)



d. FRONT PANEL BLOCK

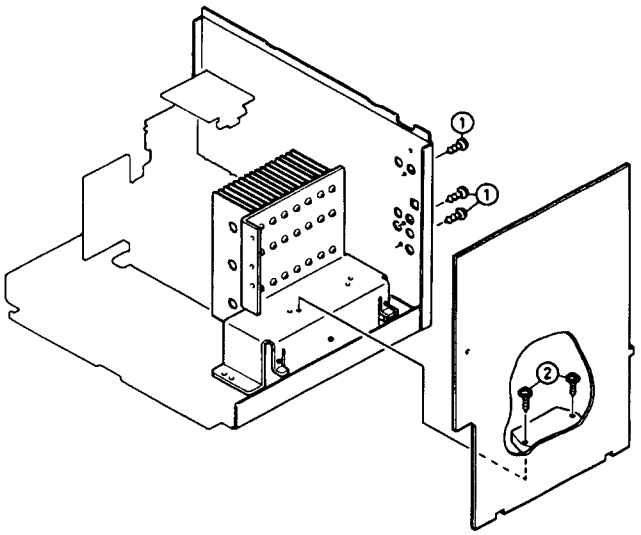
1. Remove the TUNER/AMP. P.W.Board mounting screws. (①)
2. Remove the FRONT PANEL. (②)



REMOVAL & INSTALLATION

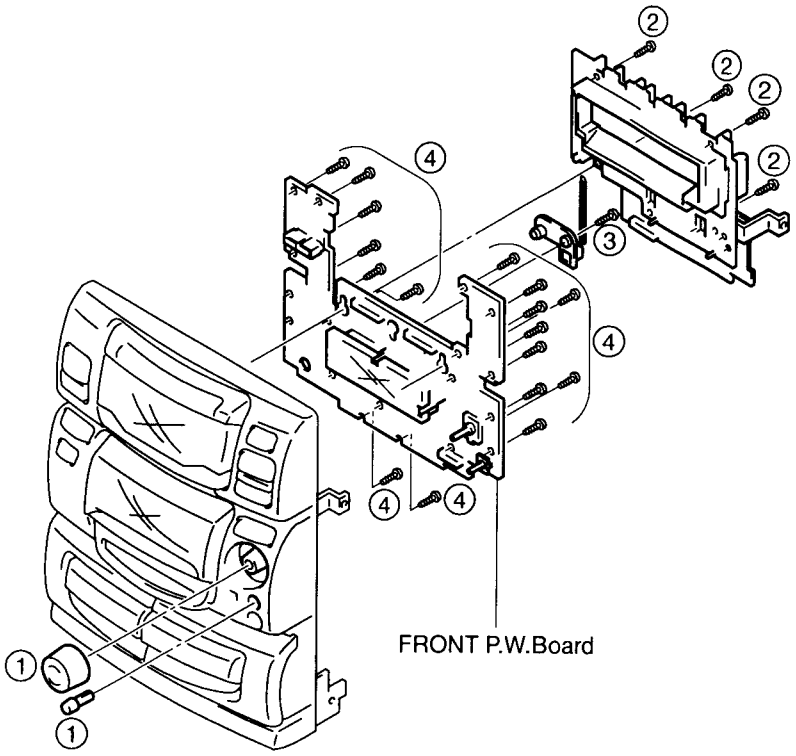
e. TUNER/AMP. P.W.BOARD

1. Remove the 3 REAR SOCKET mounting screws.(①)
2. Remove the POWER IC mounting screws. (②)



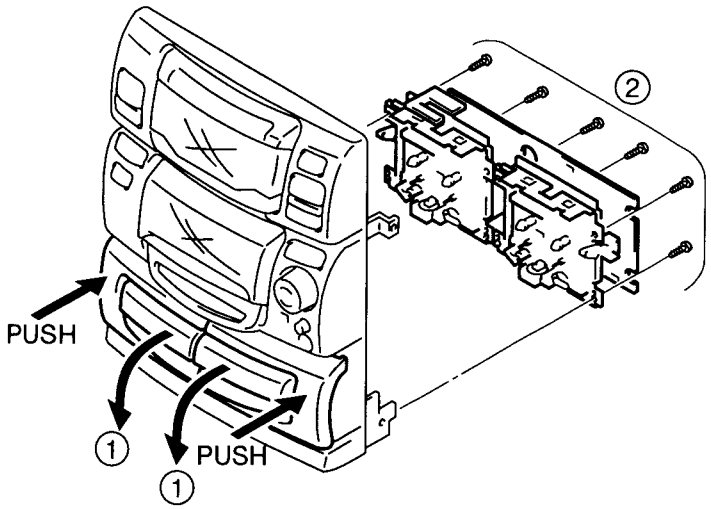
f. FRONT P.W.BOARD

1. Remove the Volume and SPACE volume knobs. (①)
2. Remove the chassis and bracket mounting screws. (②, ③)
3. Remove the FRONT P.W.Board mounting screws. (④)



g. TAPE MECHANISM

1. Open the cassette compartment lid.(①)
2. Remove the 6 tape mechanism, mounting screws. (②)



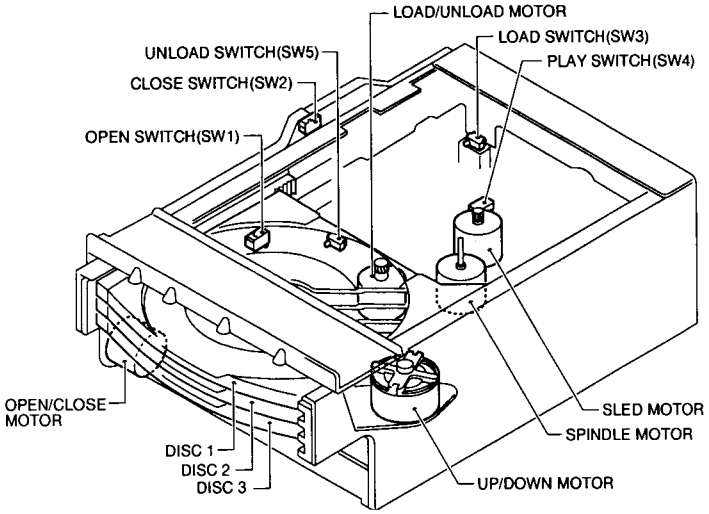
h. WIRING LAYOUT

- Arrange the lead wires so that they are not near the heat sink of the POWER AMP. P.W.Board.

CD CHANGER OPERATION & DESCRIPTION

- This set is capable of stocking and playing up to 3 CDs.
- While playing a CD, other discs can be replaced.
  In this case, press the button for the disc No. you wish to remove, and then press the OPEN/CLOSE button.
- When the "POWER" button is turned off, the power turns off after the discs are loaded in the discs trays.

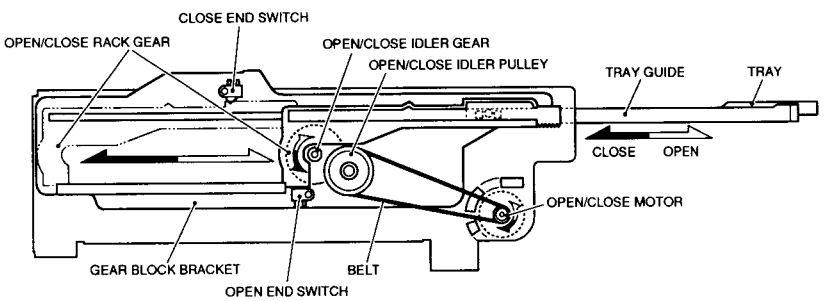
1. MOTOR & MECHANISM SWITCHES LAYOUT



2. FUNCTION

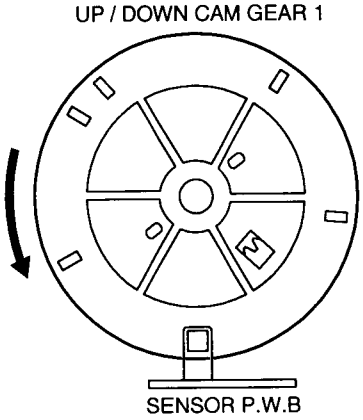
(1) OPEN/CLOSE

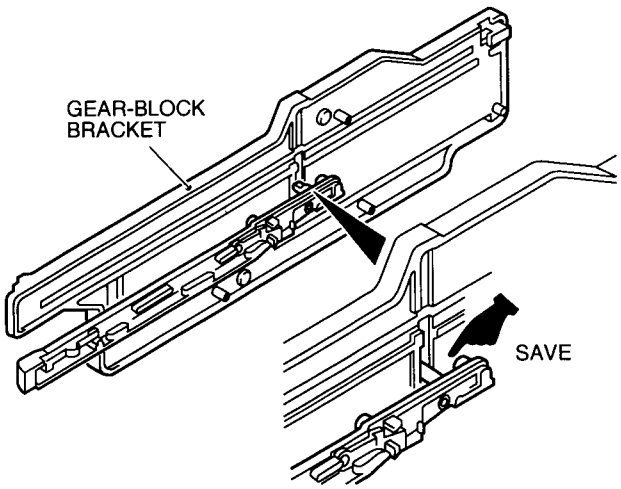
1. The rotation of the OPEN/CLOSE MOTOR rotates the OPEN/CLOSE IDLER GEAR via the BELT and PULLEY, and the RACK GEAR which is intermeshed with the OPEN/CLOSE IDLER GEAR moves forward during "OPEN", backwards during "CLOSE".

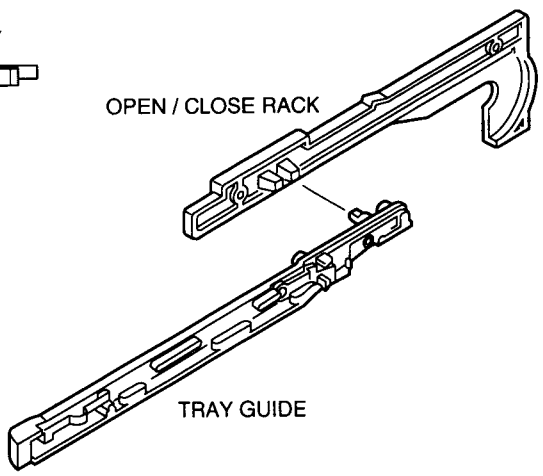


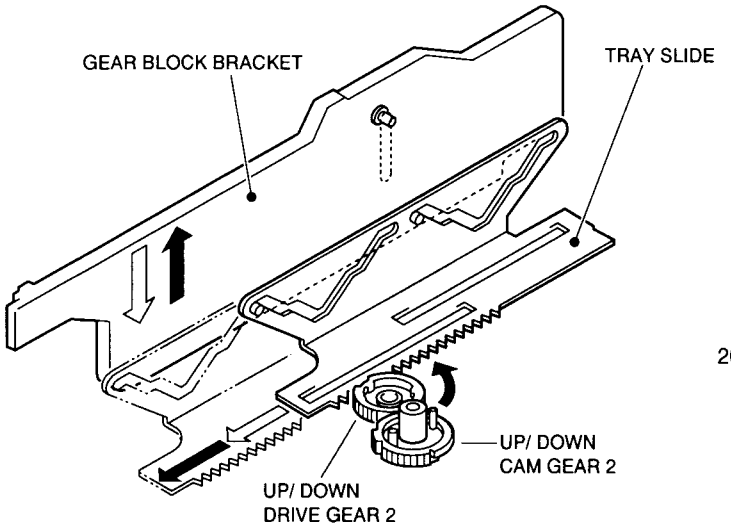
- The HOME POSITION is reached when the largest square hole in the UP/DOWN CAM GEAR is between the SENSORS.

2. Rotate the UP/DOWN CAM GEAR counter-clockwise (with OPEN/CLOSE during PLAY) or clockwise (with normal OPEN/CLOSE), raise the GEAR-BLOCK BRACKET, stop at the selected TRAY, hold the TRAY GUIDE by means of the OPEN/CLOSE RACK and save the other TRAY GUIDES.
3. The OPEN/CLOSE motor start running, the OPEN/CLOSE RACK moves forward, the TRAY LOCK LEVER is raised to lock the TRAY, and the OPEN operation commences.

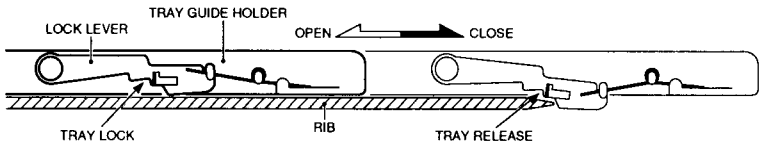






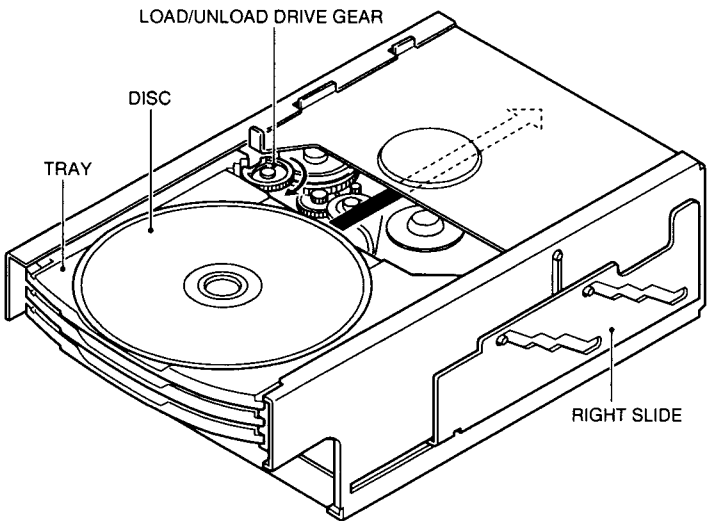


4. When the TRAY closes and it reaches the tip of RIB part of LEFT TRAY GUIDE, the LOCK LEVER is lowered to release the TRAY, and loading proceeds.

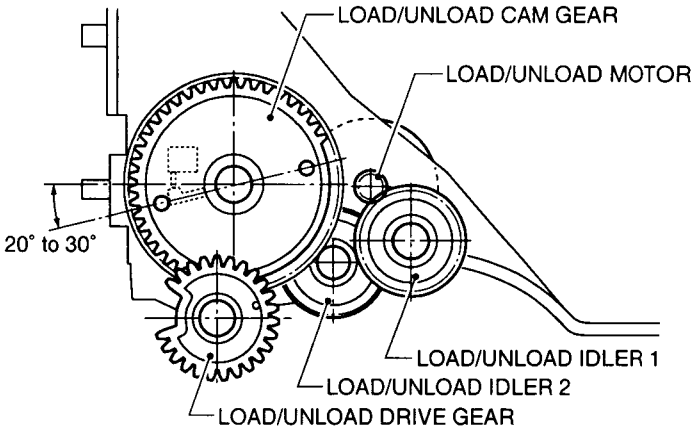


(2)LOADING

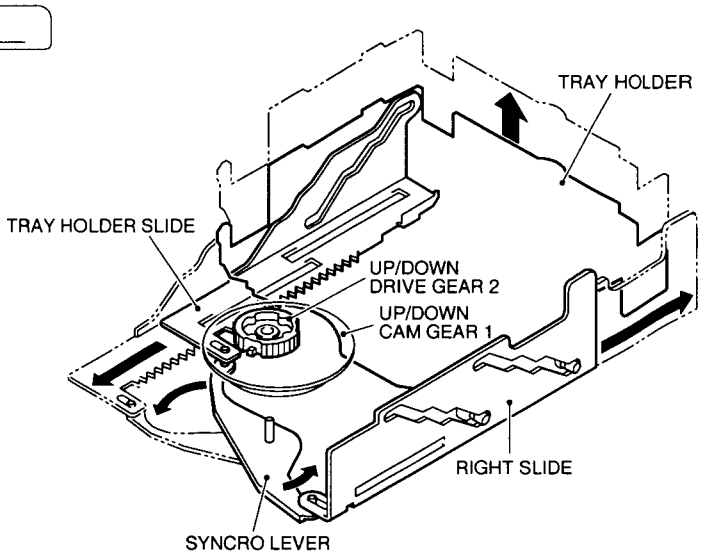
1. The rotation of the LOAD/UNLOAD MOTOR rotates the LOAD/UNLOAD DRIVE GEAR in the clockwise direction.
2. The DRIVE GEAR and the gear portion of the TRAY meshtogether and the TRAY movers backward.

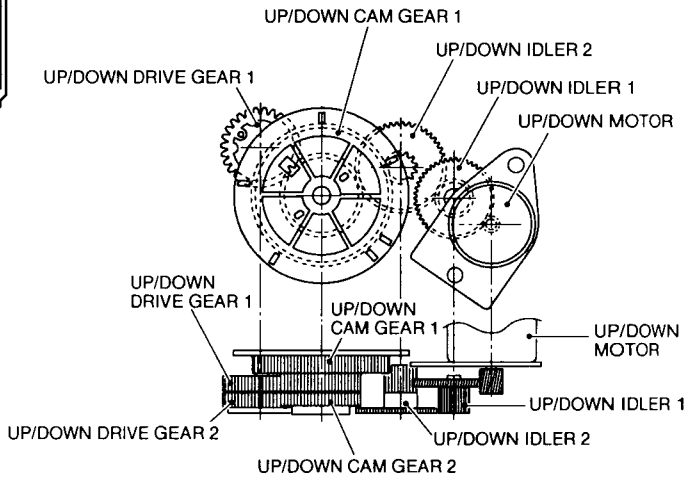


3. The completion of TRAY movement causes the UP/DOWN MOTOR to operate and lower the TRAY HOLDER putting the until to chucking status.

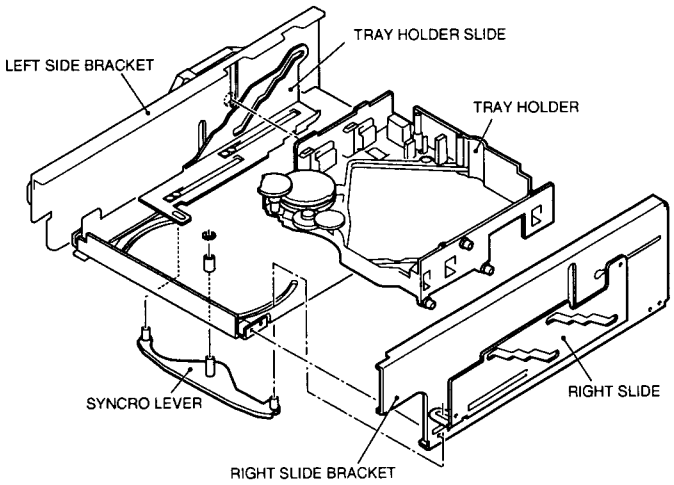


4. The rotation of the UP/DOWN MOTOR rotates the UP/ DOWN GEAR in the counter-clockwise direction. In connection with this, the TRAY HOLDER SLIDE moves forward, and at the same time, the RIGHT SLIDE is moved backwards by the SYNCHRO LEVER.





CD CAHNGER OPERATION & DESCRIPTION



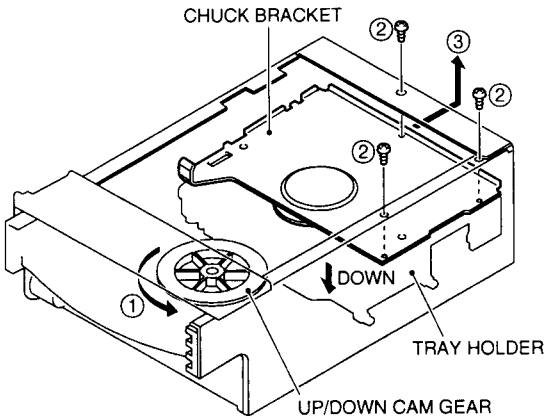
CD CHANGER REPLACEMENT

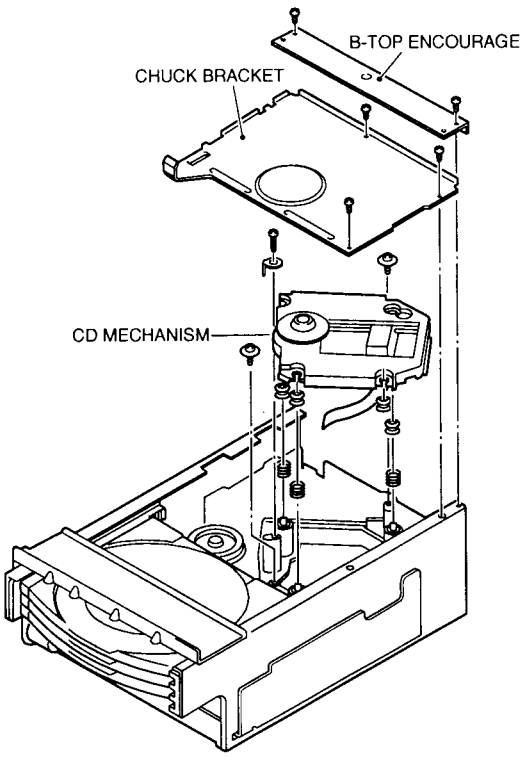
1. LOAD/UNLOAD FUNCTIO

1. Remove the B TOP ENCOURAGE.
2. Remove the CD MECHANISM.

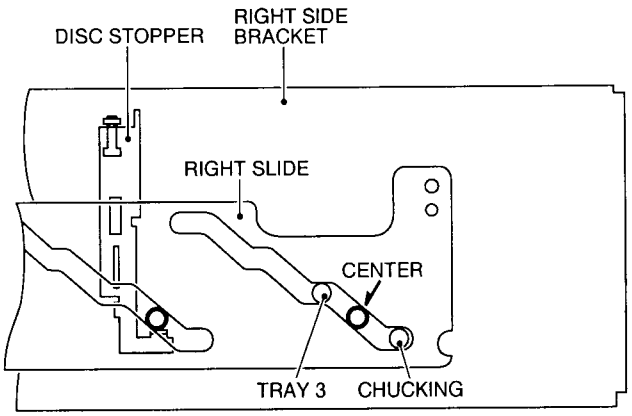
2. HOW TO REMOVE THE TRAYS

1. Remove the CHUCK BRACKET.(① - ③)

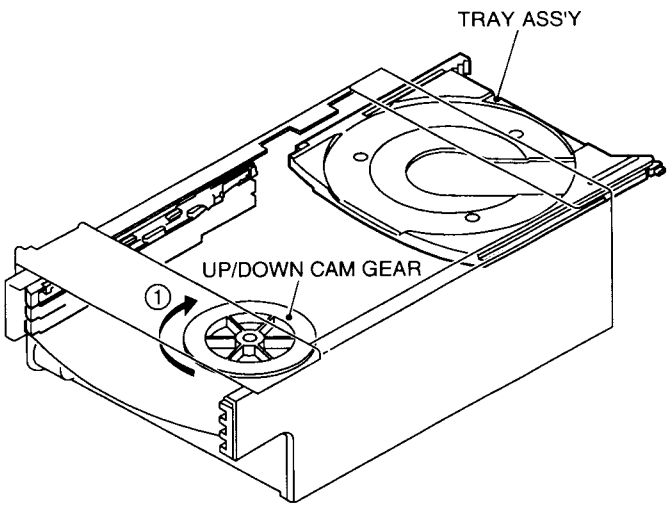




2. Rotate the UP/DOWN CAM GEAR and position the collar part of the TRAY HOLDER visible from the RIGHT SLIDE at the midpoint between the CHUCKING and TRAY.



3. Remove the three TRAYS through the gap at the back.

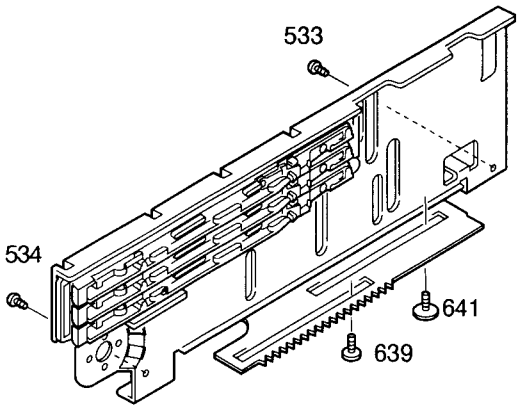


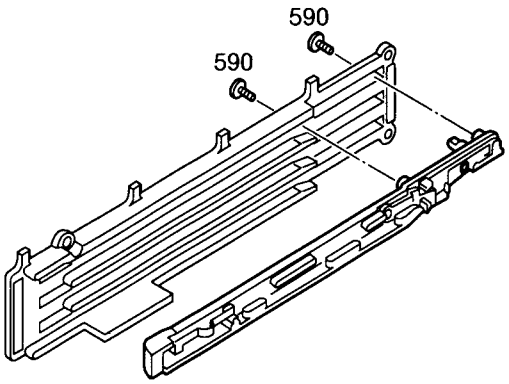
CD CHANGER REPLACEMENT

3. REPLACING THE TRAY GUIDE

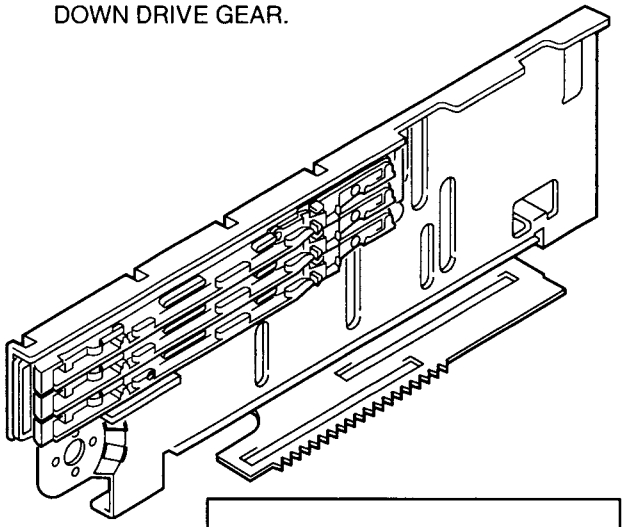
- Have the LEFT TRAY GUIDE HOLDER(602) and TRAY GUIDE ready before proceeding.

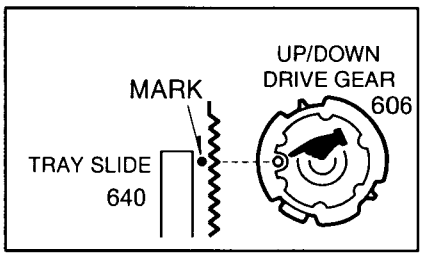
1. Turn the UP/DOWN CAM GEAR and remove the setscrew of the TRAY HOLDER from the hole in the GEAR BLOCK BRACKET.
2. Turn the UP/DOWN CAM GEAR(602) counter-clockwise as far as it will go, and remove the SCREWS.





3. Remove the five setscrews of the LEFT TRAY GUIDEHOLDER, and remove it in the direction of the arrow.
4. When assembling the parts, align the TRAY SLIDE and UP/DOWN DRIVE GEAR.



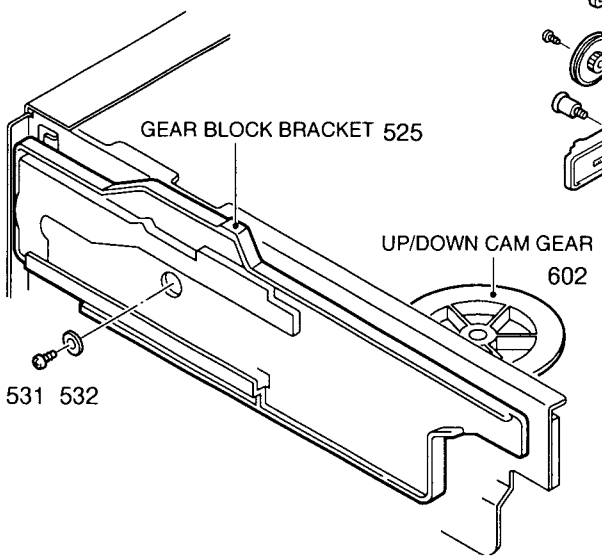


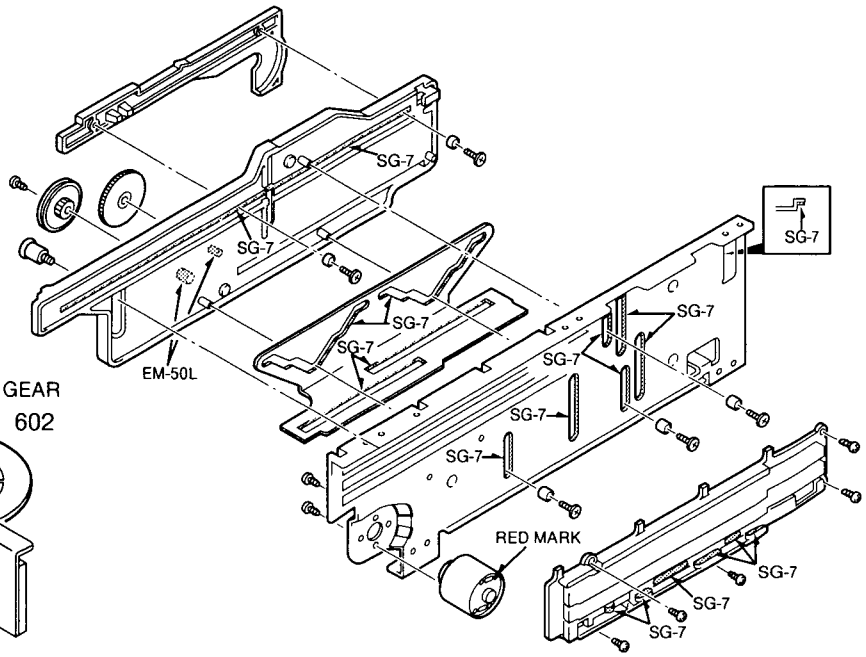
4. LEFT SLIDE BRACKET

OF THE LUBRICATION

Note:

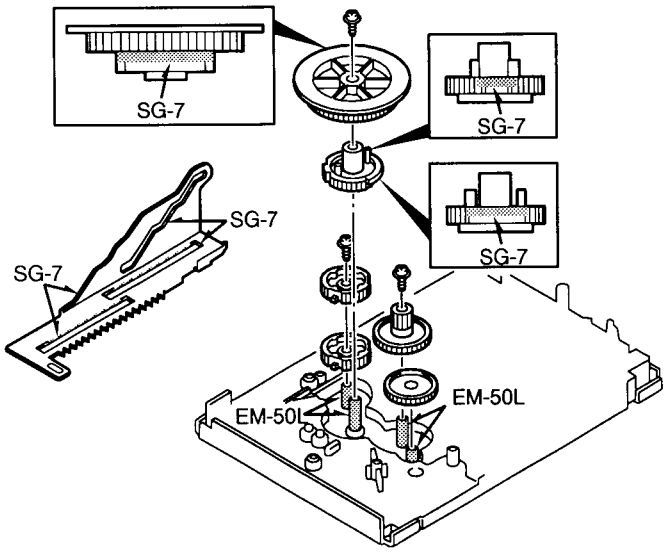
EM-50L	MOLYKOTE, EM-50L
SG-7	SAN GREASE, SG-7
G-474B	FLOIL OIL, G-474B



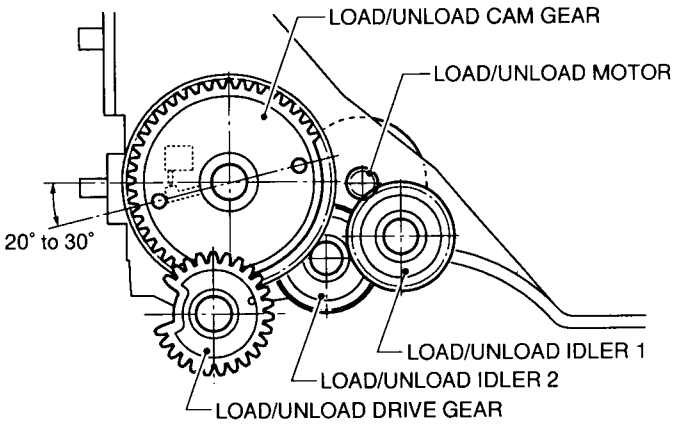


CD CHANGER REPLACEMENT

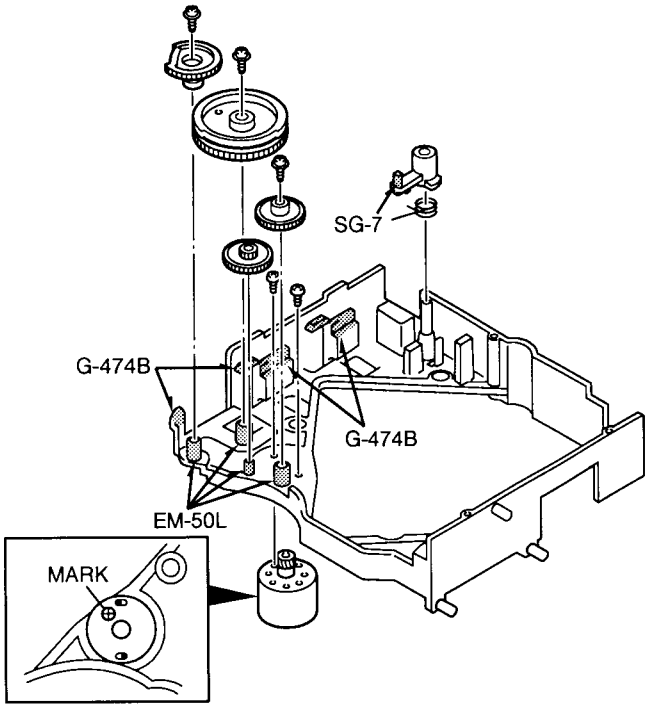
5. UP/DOWN CAM GEAR



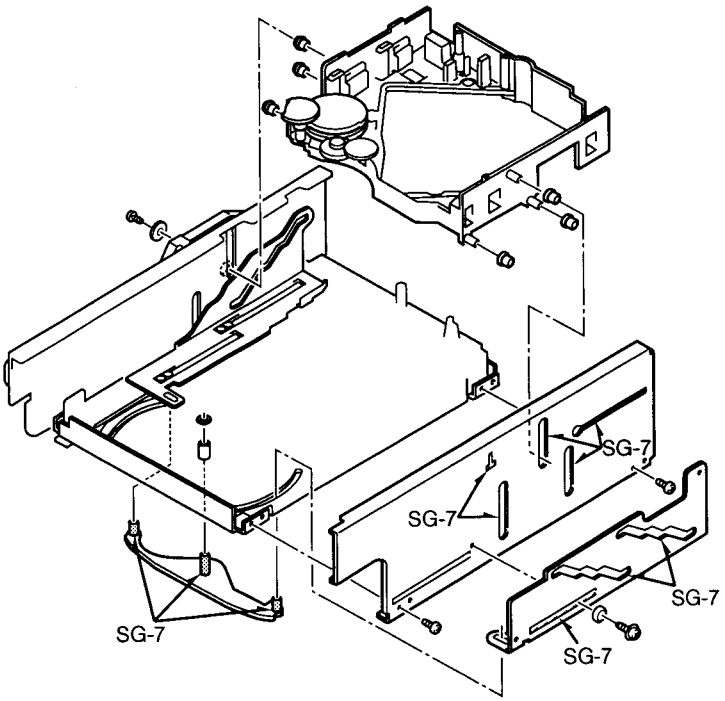
7. SETTING UP THE LOAD/UNLOAD GEAR



6. LOAD/UNLOAD GEAR



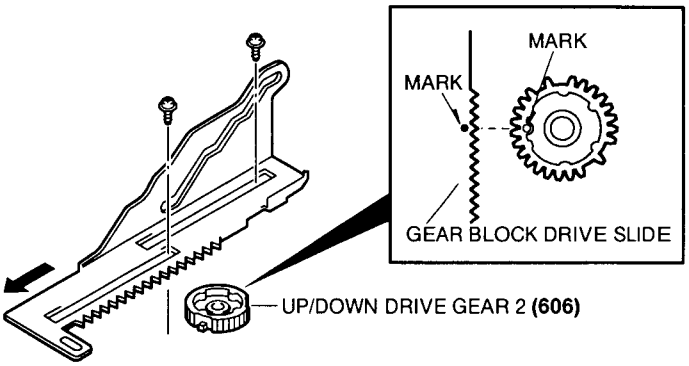
8. TRAY HOLDER

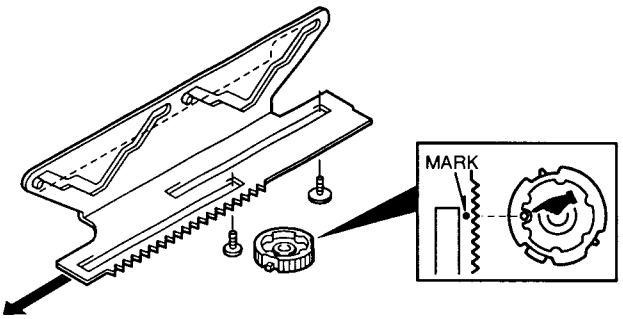


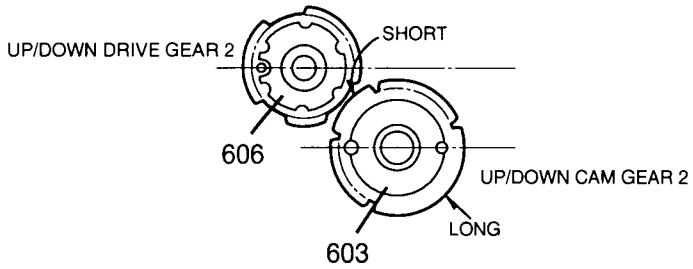
9. SETTING UP THE TRAY SLIDE AND UP/DOWN DRIVE GEAR (603)

1. Slide the TRAY SLIDE forward until it goes no further.
2. Align the round mark on the UP/DOWN DRIVE GEAR . with the mark area on the TRAY SLIDE, and install.
3. Align the shorter flat part of the UP/DOWN CAM GEAR (603), and install.

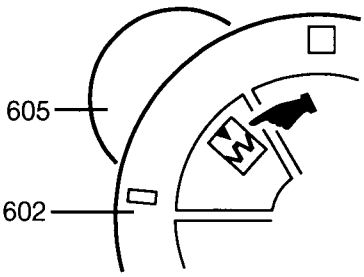
• Set the parts in such a way that the round marks on the two GEARS (603,606) are horizontal.







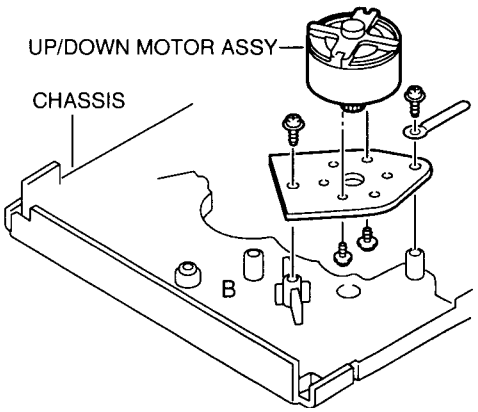
• Set the parts in such a way that the round marks on the two GEARS (603,606) are horizontal.

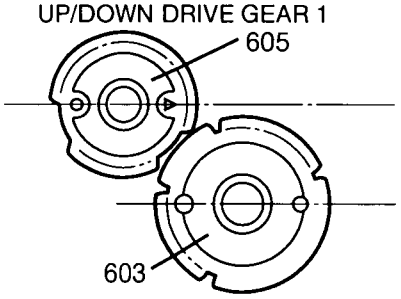


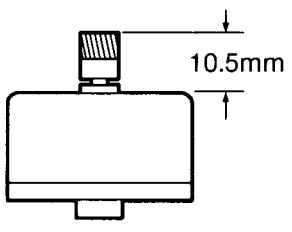
11.TRAY HOLDER SLIDE

10. SETTING UP THE TRAY HOLDER AND UP/DOWN DRIVE GEAR

1. Loosen and install the SET SCREW of the SENSOR P.W.B.
2. Slide the TRAY HOLDER SLIDE forward until it goes no further.
3. Align the round mark on the UP/DOWN DRIVE GEAR (605) with the mark area on the TRAY HOLDER SLIDE, and install.
4. Secure the screw.
5. As shown in the figure, place the UP/DOWN DRIVE GEAR (606) and UP/DOWN CAM GEAR 2(603) insuch a way that they are horizontal.
6. Align with the triangular mark through the hole through which the UP/DOWN CAM GEAR 2(603) teeth are visible.
7. Secure the SCREW of the SENSOR and GEAR.





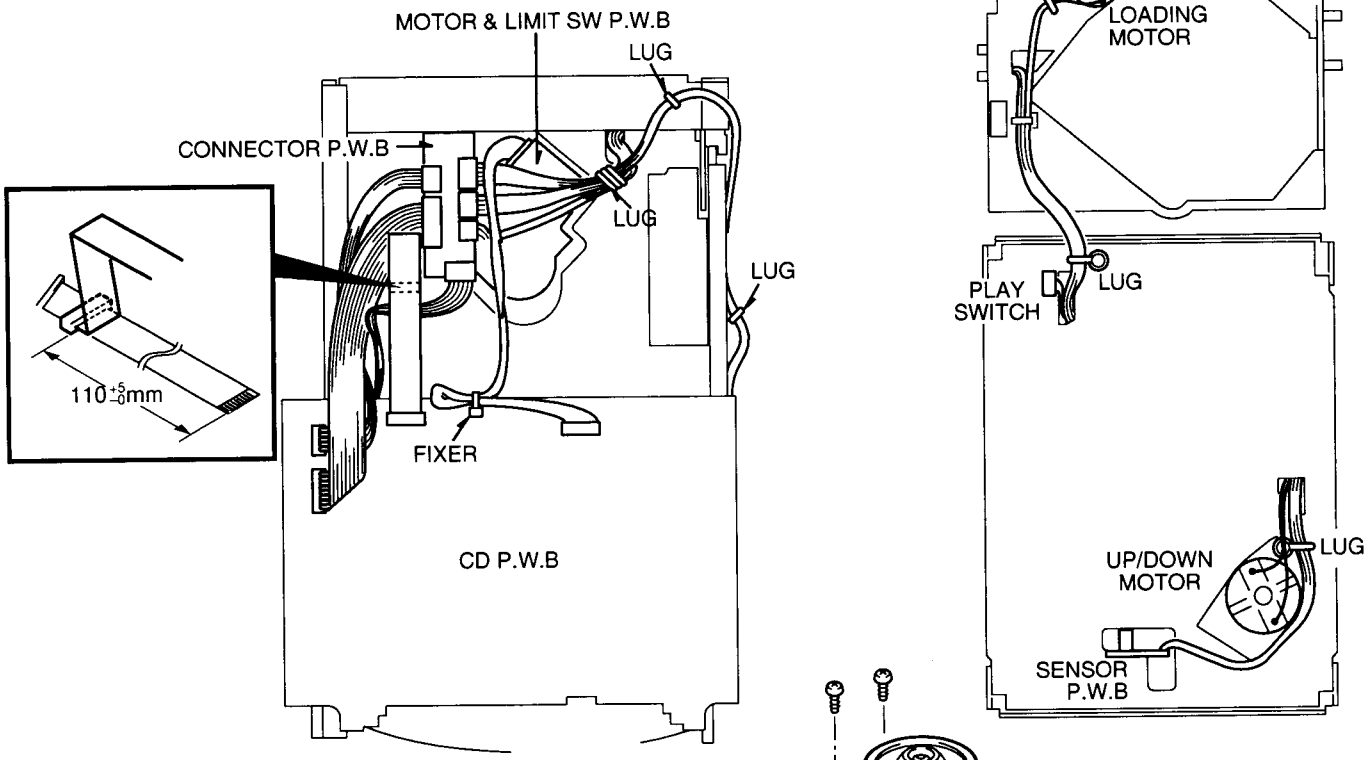


(614 287 0440)

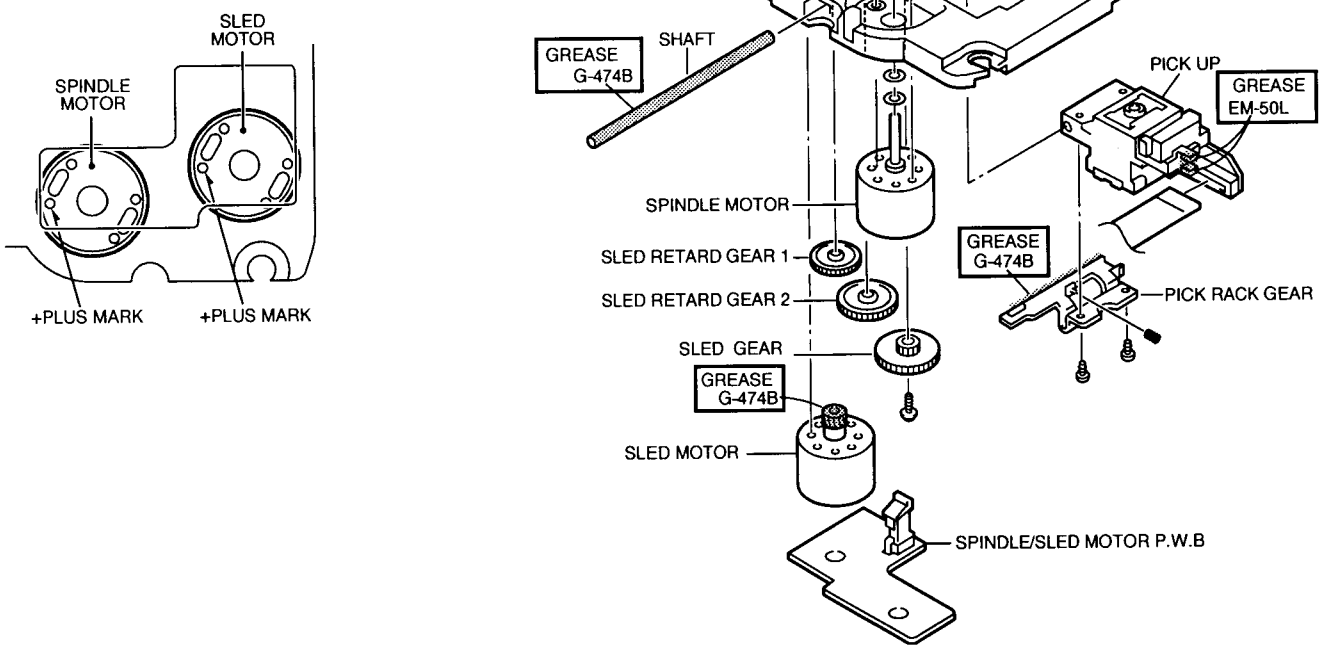
CD MECHANISM ADJUSTMENTS

1. REPLACEMENT AND LUBRICATION OF THE CD MECHANISM

Note:	
EM-50L	MOLYKOTE, EM-50L
SG-7	SAN GRESE, SG-7
G-474B	FLOIL OIL, G-474B



2. CD BASE MECHANISM



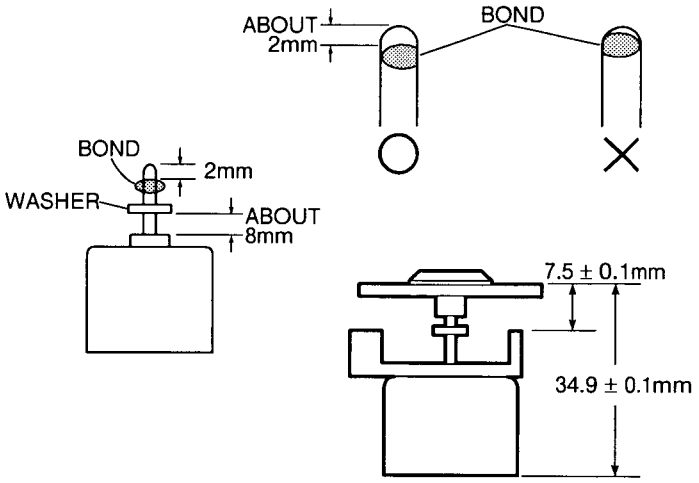
CD MECHANISM ADJUSTMENTS

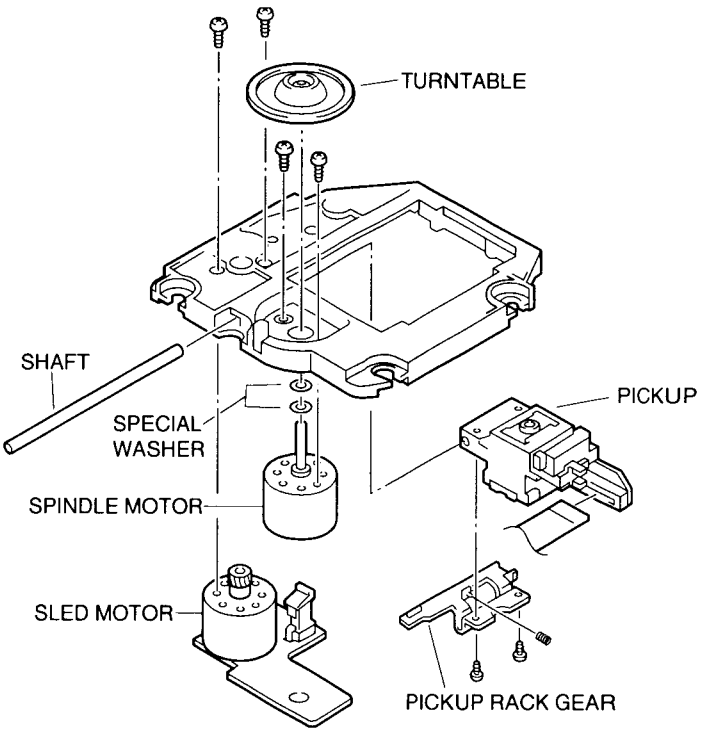
3. CD MECHANISM

(1). Replacement of the spindle motor

- First, prepare the new turntable and new special washer for replacement.
  The removed turntable will be deformed by the heat of the soldering iron, and cannot be reused.
- Prepare dial-type calipers.

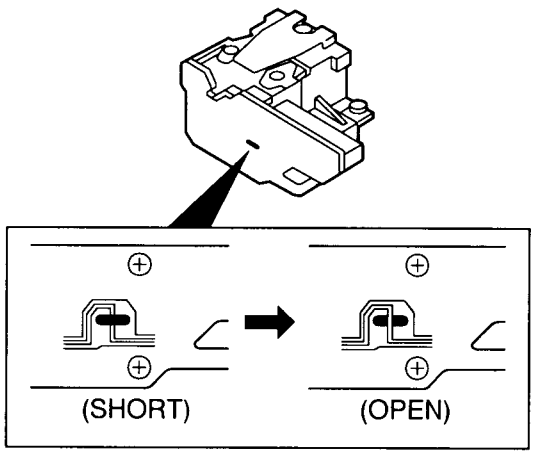
1 The attached bonding material can be dissolved by using a 60W soldering iron to heat the shaft the upper part of the turntable for about one minute.
2 The turntable can then be removed from the shaft by verycarefully applying force upward at the center of the lower surface of the turntable.
3 Remove the two screws and remove the spindle motor.
4 Attach the special washer tp the spindle motor.
5 Clean the spindle motor's shaft.
  To clean them, use a soft cloth soaked in isopropyl alcohol.
6 Apply a small amount of a mixture of the **" Three bond 2001"**and **"2015F"** bonding materials to the motor's shaft.
7 Install the turntable as shown in the figure.
8 Secure the turntable by pressing gently.
  Be sure to wipe away (by using a piece of cloth, or similarmaterial) any bonding material coming out of the hole.



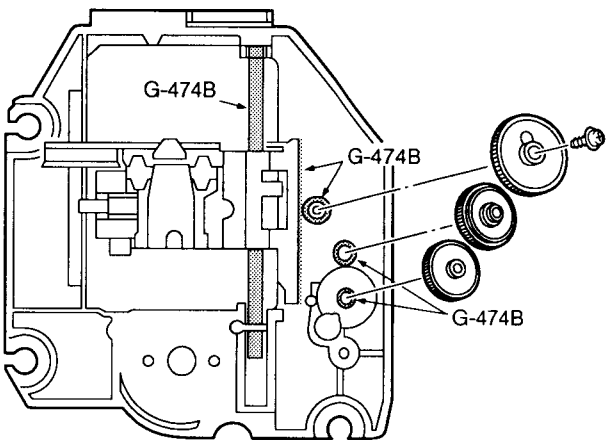


(2). Replacing the pick-up

1 Insert the pick-up rail into the base chassis.
2 If the lack of the base chassis are missing when the pick-up rail have been installed, first wipe the tips of the rail with alcohol.
3 After the pick-up has been replaced, apply grease **(FLOIL G-474B)** to the ▒▒▒ sections.
4 The pick-up P.W.Board pattern is **"shorted"**, as shown in the figure, so that the new pick-up will not be susceptible to the effects of static.
5 Set the pattern to **"open"** after the pick-up has been replaced.



(BE SURE AT THIS TIME, NOT TO TOUCH ANY OTHER PART.)

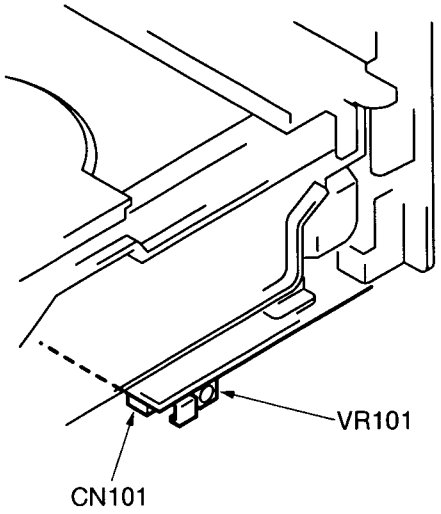


CD PLAYER ADJUSTMENTS

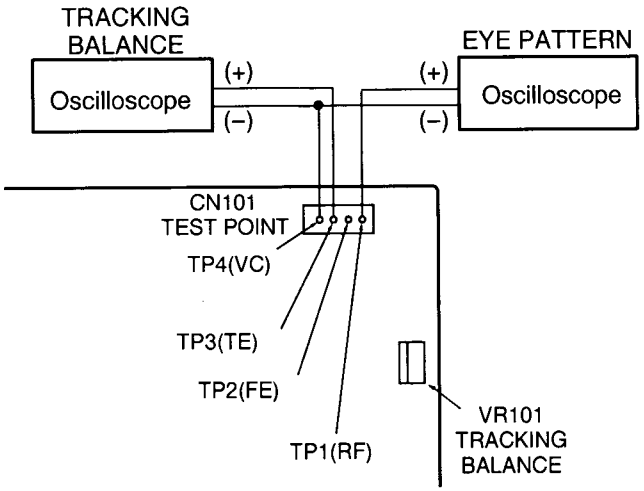
1. PREPARATION

Measuring instruments, tools and filter.

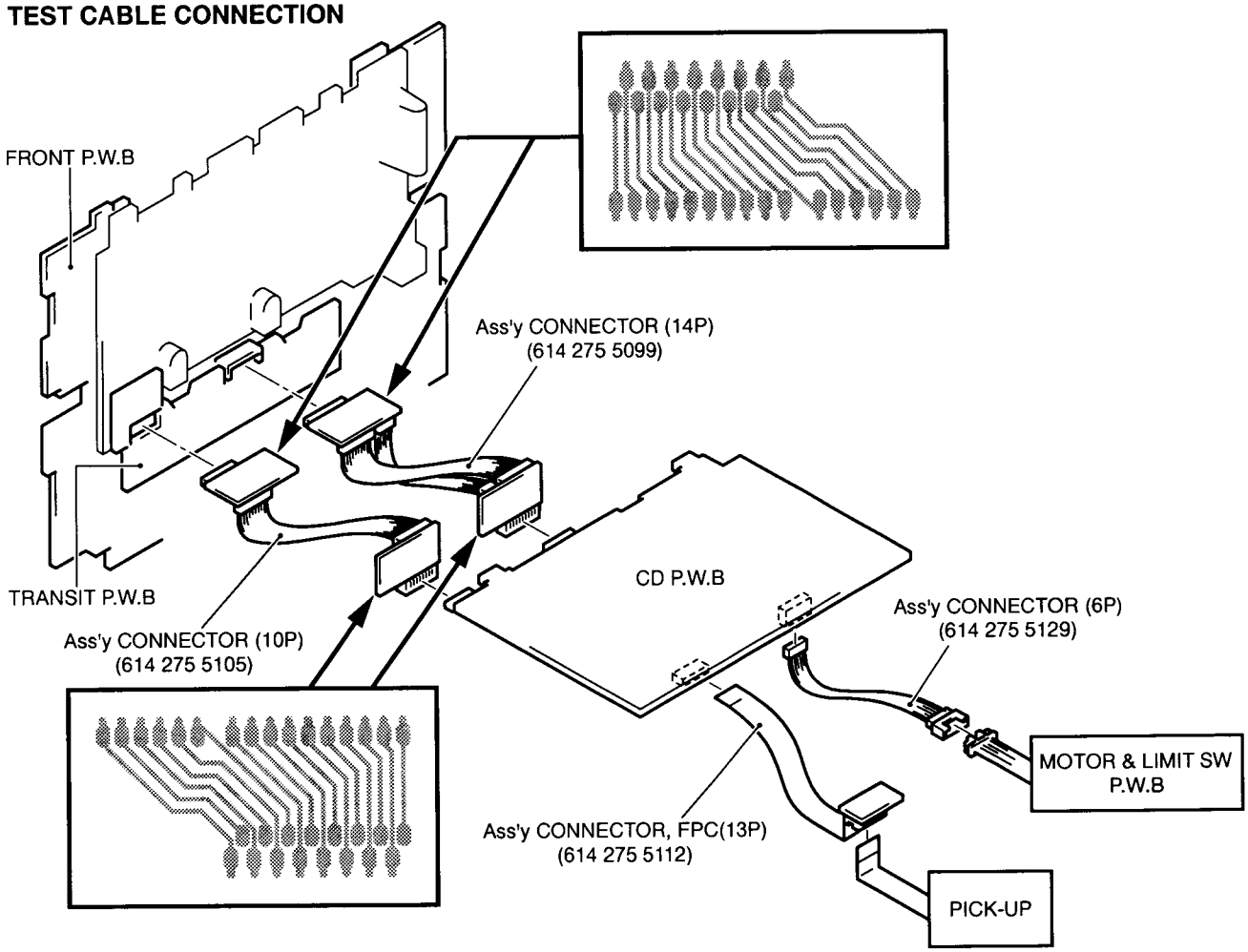
1. Test disc : YEDS 18 (SONY) or etc.
2. Oscilloscope : SS5711(10MHz or dual-phenomenon) or
   Memoryscope : DSS6521(Storagescope)
3. Screwdrivers(non-metallic) for adjustments.



2. PARTS LOCATION



3. TEST CABLE CONNECTION



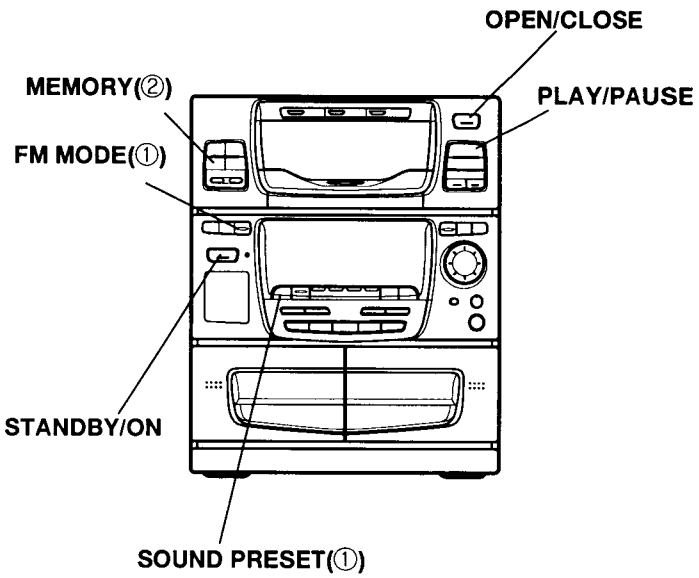
CD PLAYER ADJUSTMENTS

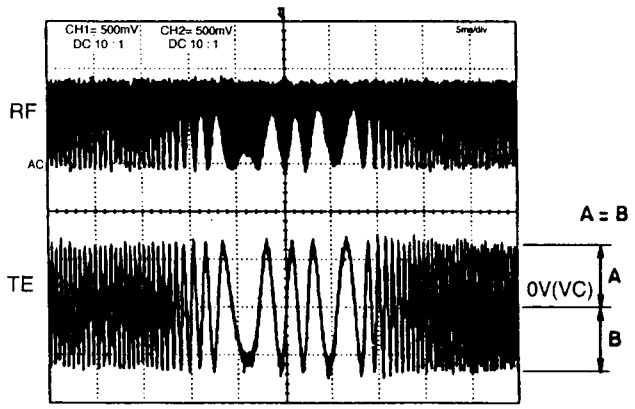
4. ADJUSTMENTS

Adjustment Item	Measuring instrument	Service mode	Output connection	Adjustment location	Adjustment value
(a) Tracking balance	Oscilloscope	-	TP3 : TE TR4 : VC	VR101	Waveform symmetry A=B
(b) Checking the "eye" pattern	Oscilloscope	-	TP1 : RF TP4 : VC	-	Check be sure that the "eye" pattern is at the center of the waveform and that the diamond shape is clearly defined

(1)Tracking balance adjustment

1. Within 1 second after pressing the "FM MODE & "SOUND PRESET" switches at the same time, press the "MEMORY" switch. (①, ②)
   (SERVICE MODE : Tracking balance)
2. Connect an oscilloscope to TP3(TE) and TP4 (VC).
3. Set the test disc.(DISC 1)
4. Press the "PLAY/PAUSE" button .
5. Adjust VR101 so that the oscilloscope waveform is symmetrical, as shown in the illustration.
6. To cancel service mode, disconnect the power cord's plug from the electrical outlet.

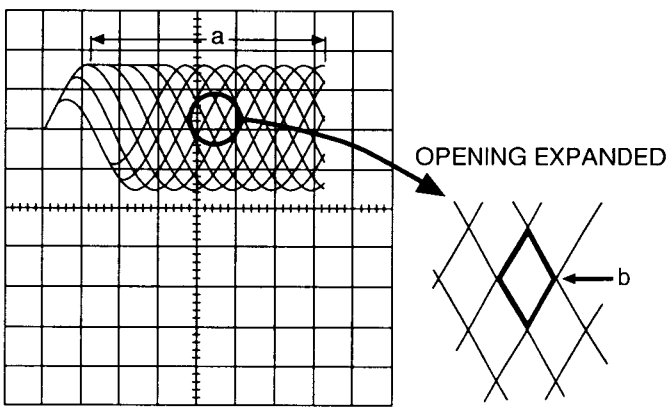


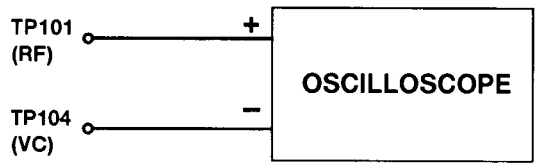


200mV/div.
5ms/div.

(2)Checking the "eye" pattern

1. Press the "STANDBY/ON" button to ON.
2. Connect an oscilloscope to TP1(RF) and TP4(VC).
3. Load the test disc.
4. Press the "PLAY/PAUSE" button.
5. Check to be sure that the "eye" pattern is at the center ofwaveform and that the diamond shape is clearly defined.
6. Press the "STOP" button.
7. Press the "STANDB/ON" button to OFF.





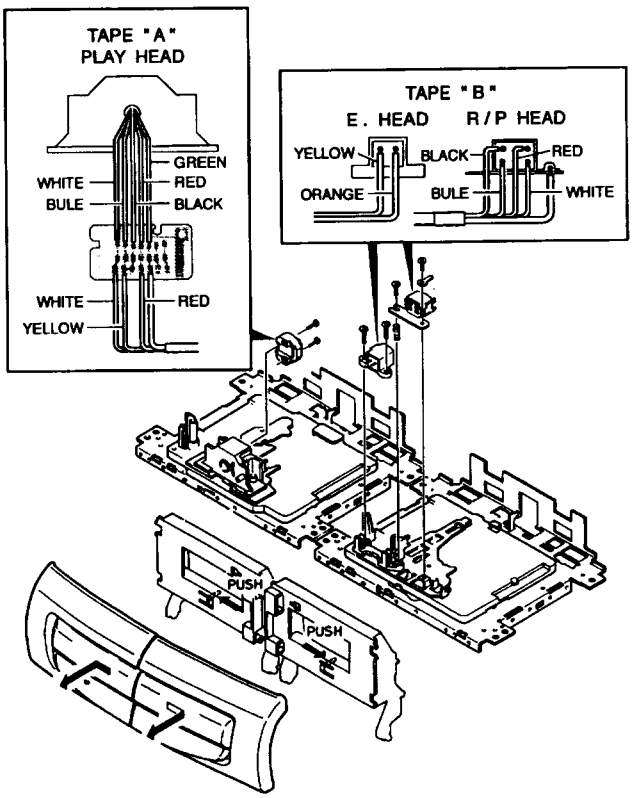
TAPE DECK ADJUSTMENTS

Adjustment Item	Test Tape	Measuring Instrument	Srevice Mode	Adjust location	Adjust value
(1) HEAD AZIMUTH TAPE "A"	VTT-738 (10KHz)	AC-voltmeter	_	HEAD AZIMUTH SCREW (FWD/REV)	Max.
(2) HEAD AZIMUTH TAPE "B"	VTT-738 (10KHz)	AC-voltmeter	_	HEAD AZIMUTH SCREW	Max.
(3) MOTOR SPEED (HIGH)	MTT-211 (1,500Hz)	FREQUENCY COUNTER	COMPUTER REC (HIGH)	VR311 (TAPE "A") VR313 (TAPE "B")	3,000Hz
(3) MOTOR SPEED (NORMAL)	MTT-111 (3,000Hz)	FREQUENCY COUNTER	COMPUTER REC (NORMAL)	VR312 (TAPE "A") VR314 (TAPE "B")	3,000Hz

1. HEAD REPLACEMENT AND AZIMUTH ADJUSTMENT

(1)Head replacement

1. After replacement, demagnetize the heads by using a degausser.
2. Be sure to clean the heads before attempting to make any adjustments.
3. Be sure both channels (1 and 2) are the same level. (Using a dual-channels oscilloscope)
4. All wiring should be returned to the original position after work is completed.



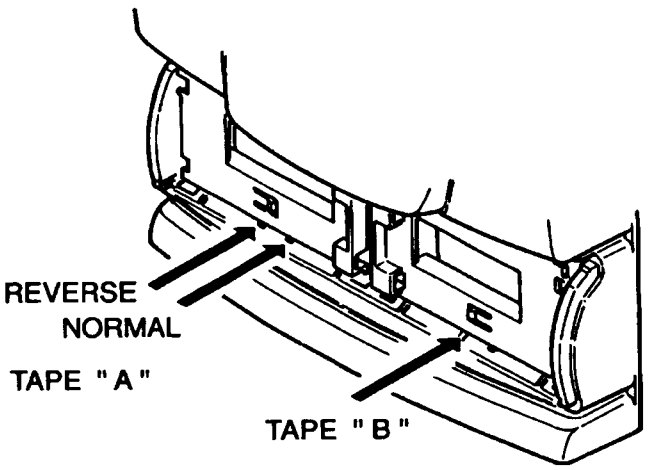
(2)Head azimuth

- TAPE "A"

1. Load a test tape (VTT-738, etc.:10KHz) for azimuth adjustment.
2. Press the FORWARD PLAY(►) button. (Normal playback)
3. Use a flat-tip (-) screwdriver to turn the screw for normal azimuth adjustment so that the left and right outputs are maximized at the same phase during normal playback.
4. Press the Tape "A" REVERSE MODE (◄)button.
5. Play the tape in the reverse mode.
6. Use a flat-tip (-) screwdriver to turn the screw for reverse azimuth adjustment so that the left and right outputs are maximized at the same phase during reverse playback.
7. Press the STOP button.

- TAPE "B"

1. Load a test tape (VTT-738, etc.:10KHz) for azimuth adjustment.
2. Press the FORWARD PLAY (►) button.
3. azimuth screw adjustment .
4. Press the STOP button.



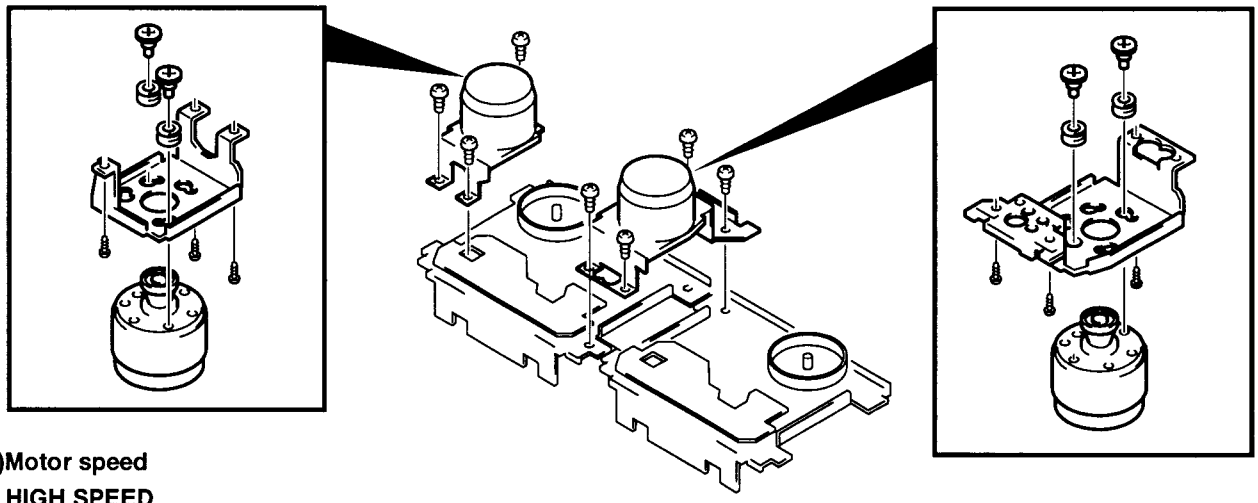
- After making the adjustment, secure the azimuth adjustment screw by applying screw lock (TB-1401B).

TAPE DECK ADJUSTMENTS

2. MOTOR REPLACEMENT AND SPEED ADJUSTMENT

(1)Motor replacement

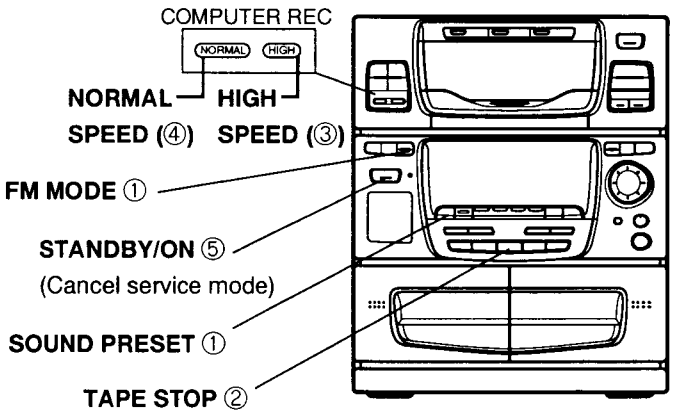
1. Replace the motor in the figure.



(3)Motor speed

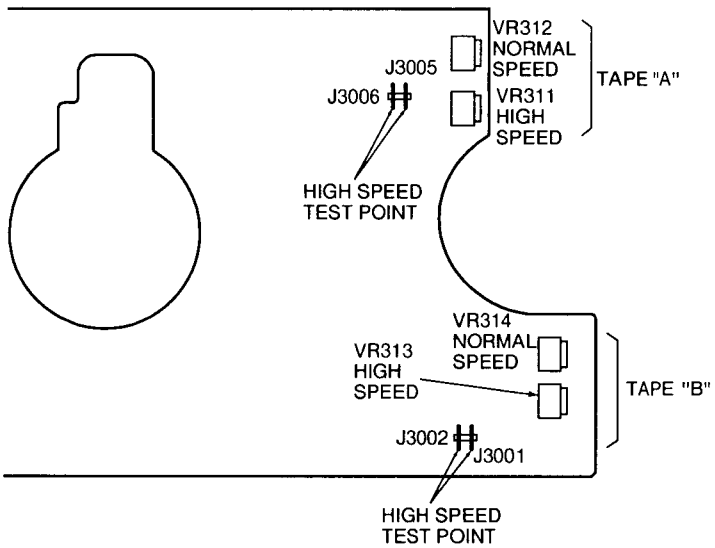
HIGH SPEED

1. Insert the test tape (TCW-211 or etc. 1,500 Hz optional) into Tape "A" or "B".
2. Press the "FM MODE & SOUND PRESET" buttons at the same time.(①)
3. Press the TAPE STOP button.(②)
4. Press the COMPUTER REC "HIGH" button.(③)
   (Service mode : High speed)
5. Adjust VR311 (Tape "A") or VR313 (Tape "B") so that the frequency counter show a reading of 3,000Hz.
6. Press the STOP button.



NORMAL SPEED

1. Insert the test tape (TCW-111 or etc. 3,000 Hz) into Tape "A" or "B".
2. Press the COMPUTER REC "NORMAL" button.(④)
   (Service mode : Normal speed)
3. Adjust VR312 (Tape "A") or VR314 (Tape "B") so that the frequency counter show a reading of 3,000Hz.
4. Press the STOP button.
5. To cancel service mode, press the "STANDBY/ON" button. (⑤)



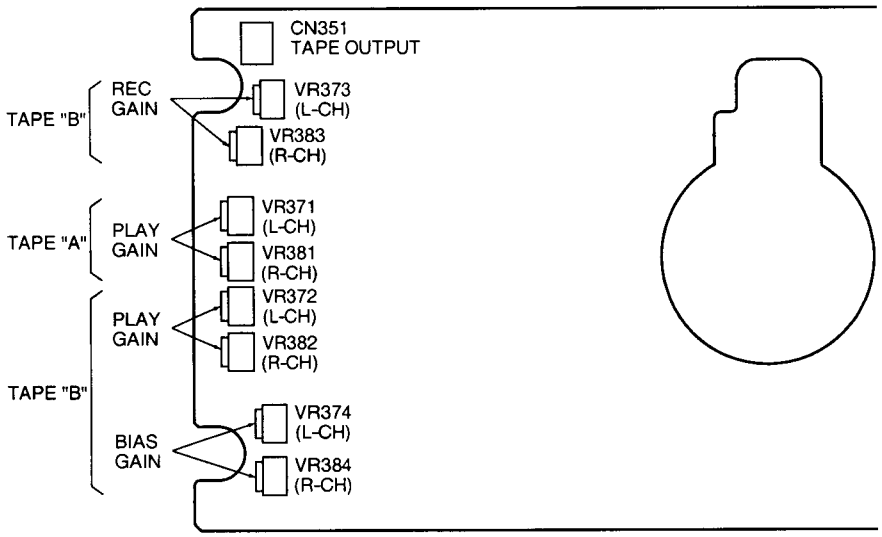
3. CHECKING THE MECHANISM TORQUES

1. Clean the head, capstan and pinch roller before making any measurement.
2. Check the both normal and reverse playback.

Measureent	Take-up torque	Back tension	Tape tension
Cassette for measurement	PLAY : TW-2111A(FWD) PLAY : TW-2121A(REV) F.FWD/REW : TW-2231	PLAY : TW-2111A(FWD) PLAY : TW-2121A(REV)	Drive-power cassette TW-2412(FWD) TW-2422(REV)
PLAY	28 ~ 63gr.cm	2.0 ~ 4.5gr.cm	70 gr or more
F.FWD/REW	60 ~ 120gr.cm	-	-

AMPLIFIER ADJUSTMENTS

• Make the following adjustments after first cleaning the head assembly and checking the adjustment of the head azimuth.



ADJUSTMENTS

Adjustment Item	Test Tape	Dolby NR	Measuring instrument	Input connection	Output connection	Adjustment location	Adjustment value
(1) Play Gain	TCC-130 (DOLBY Tape)	OFF	AC-Voltmeter		TAPE OUTPUT	Tpae "A" VR371, VR381	780mV
						Tpae "B" VR372, VR382	
(2) REC Gain	AC-225 (NORMAL)	OFF	AC-Voltmeter AF-Oscillator	VIDEO -10dB, 1kHz	TAPE OUTPUT	Tpae "B" VR373, VR383	550mV ± 0.5dB
(3) Bias Gain	AC-225 (NORMAL)	Dolby "B"	AC-Voltmeter AF-Oscillator	VIDEO -30dB, 1kHz and 10kz	TAPE OUTPUT	Tpae "B" VR374, VR384	1.0 ± 0.5dB at 1kHz and 10kHz

(1)Play Gain adjustment

Dolby NR switch : OFF

1. Tape "A"
   Play the test tape and adjust VR371 (L-CH) and VR381 (R-CH) so that playback output becomes 550 mV.
2. Tape "B"
   Play the test tape and adjust VR372 (L-CH) and VR382 (R-CH) so that playback output becomes 550 mV.

(2)REC Gain adjustment

Input signal : -10dB, 1kHz

Tape to be used : Normal (AC-255, etc.)

1. Introduce input signal to the VIDEO terminals, and, with the unit in the REC.PAUSE mode, adjustment input level for 550 mV.
2. Record the input signal.
3. Press the REWIND button and rewind tape to the beginning of the recording just made.
4. Press the PLAY button.
5. Adjust VR373 (L-CH) and VR383 (R-CH) so that the recording and playback output level difference become ±1dB.
6. Repeat steps (1) to (5) .

(3)Bias adjustment

Input signal : -30dB, 1kHz, 10kHz

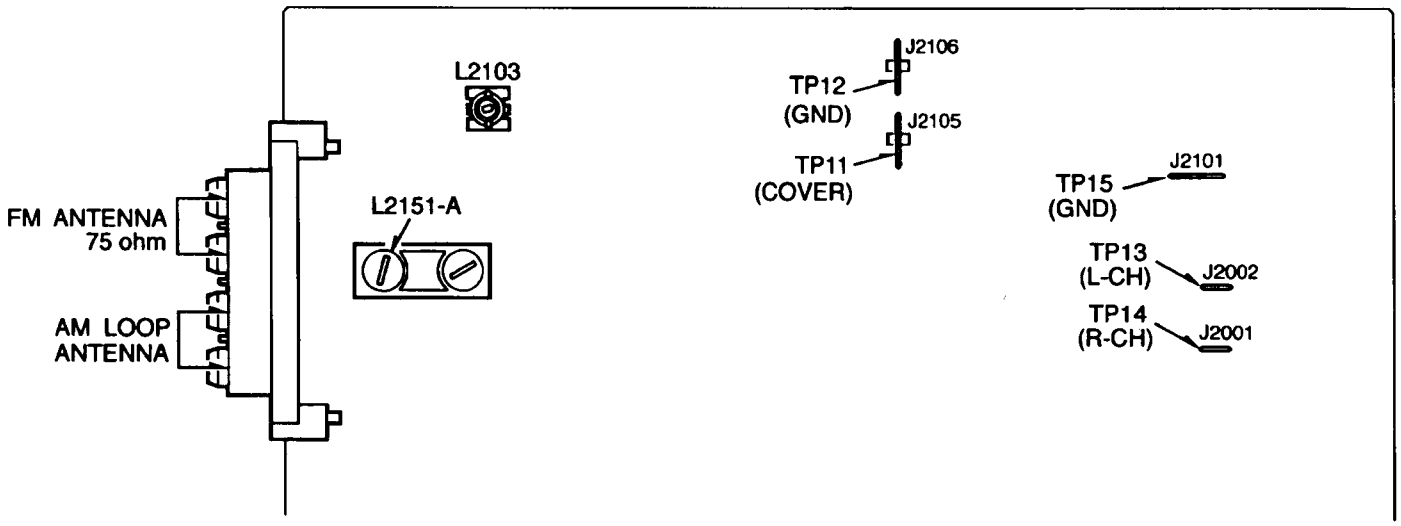
Tape to be used : Normal (AC-255, etc.)

Dolby NR switch : ON

1. Introduce input signal to the VIDEO terminals.
2. With the unit in the REC. mode.
   Record these inputy signals (1kHz ⇨ 10kHz ⇨ 1kHz ⇨ 10kHz).
3. Press the REWIND button and rewind tape to the beginning of the recording just made.
4. Press the PLAY button.
5. Adjust VR374 (L-CH) and VR384 (R-CH) so that the 10kHz and 1kHz and output level difference become +1.0dB ± 0.5dB.
6. Repeat steps (1) to (5) .

TUNER ADJUSTMENTS

- Use a plastic screw driver for adjustments.
- MODE : STEREO
- Speaker impedance : 6 ohm
- TUNING
  FM : 87.5 - 108MHz (0.05MHz step)
  AM : 522 - 1710KHz (9kHz step)



SG RF Level : 75Ω open Voltage dBμV
Antenna : 75Ω unbalanced , Modulation : 1 kHz
Dev. : ±22.5kHz(MONO) ±22.5KHz(STEREO) ±6.75KHz(PILOT)

FM

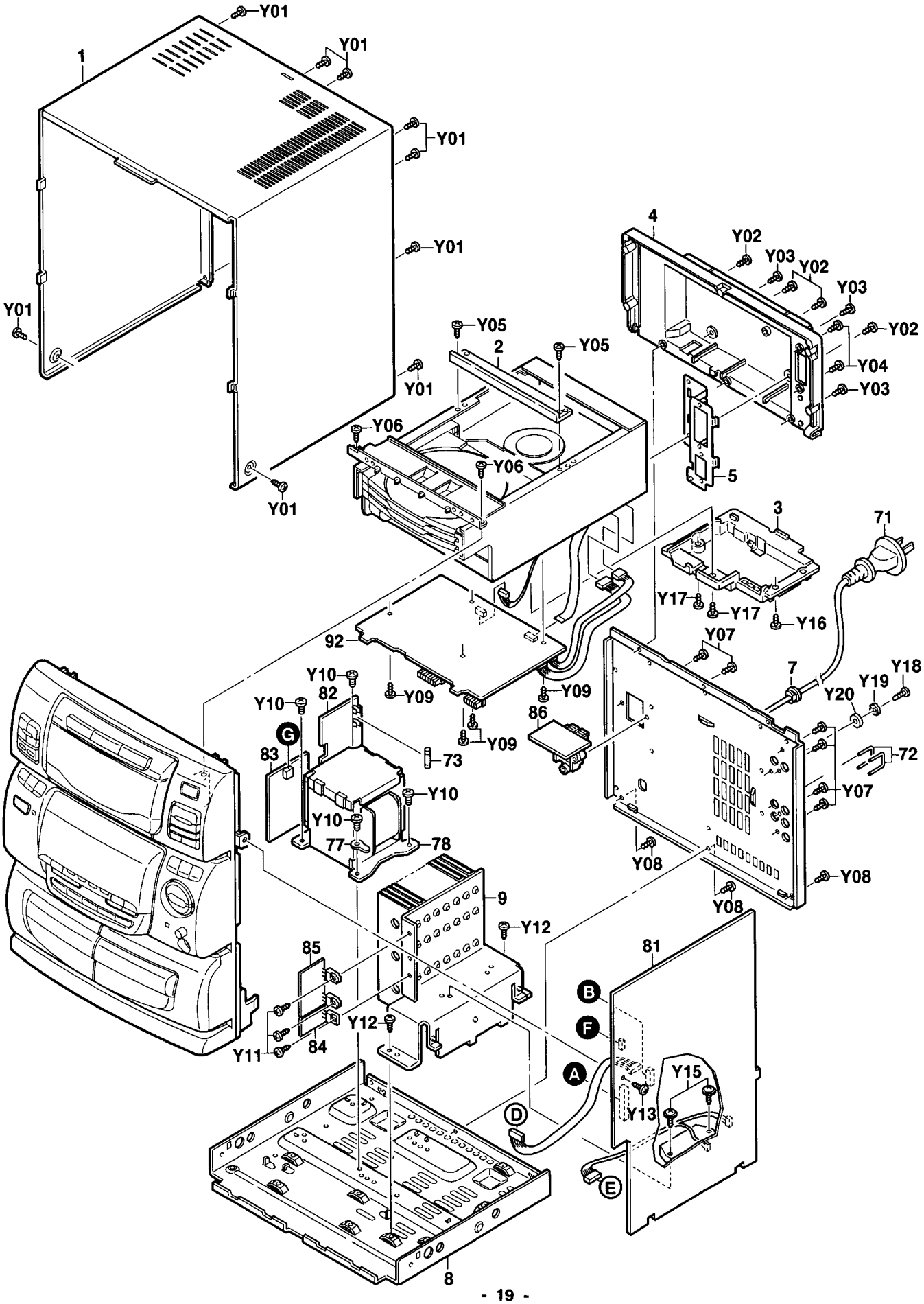
Step	Adjusting Circuit	Connections Input	Connections Output	SG Frequency	Position of tuning dial	Adjustment	VTVM Oscilloscope or DC voltmeter
1	Tuning coverage	—	Connect to Digital DC voltmeter TP11 (H),TP12 (G)	87.5 MHz	Low end	—	more than 0.8 V
				108.0 MHz	High end	—	less than 8.0V
2	Tracking	FM antenna (SG=8dBμV)	Connect to VTVM TP13(H) or TP14(H), TP15(G)	90.0 MHz	90.0 MHz	L2103	Max.
				106.0 MHz	106.0 MHz	—	

SG Modulation : 1,000 Hz, 30%
IRE Loop Antenna

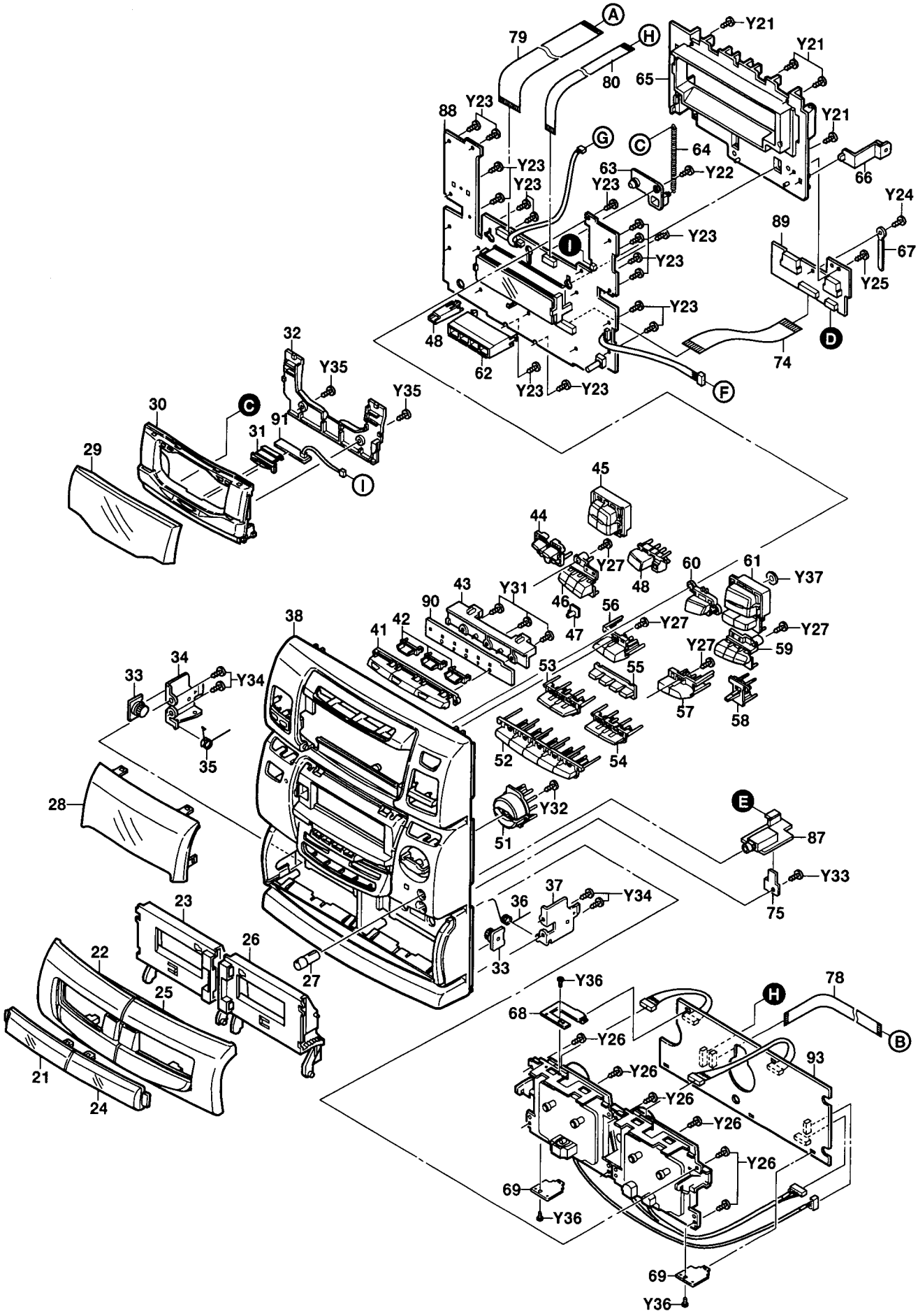
AM

Step	Adjusting Circuit	Connections Input	Connections Output	SG Frequency	Position of tuning dial	Adjustment	VTVM Oscilloscope or DC voltmeter
1	Tuning coverage	—	Connect to Digital DC voltmeter TP11 (H),TP12 (G)	522 kHz	Low end	—	more than 1.0 V
				1710 kHz	High end	—	less than 8.0V
2	Tracking	Connect AM SG to TEST Loop (SG=80dBμV)	Connect to VTVM TP13(H) or TP14(H), TP15(G)	603 kHz	603 kHz	L2151-A	Max.
				1404 kHz	1404 kHz	—	

EXPLODED VIEW (CABINET & CHASSIS)



EXPLODED VIEW (CABINET & CHASSIS)



PARTS LIST

PRODUCT SAFETY NOTICE

EACH PRECAUTION IN THIS MANUAL SHOULD BE FOLLOWED DURING SERVICING. COMPONENTS IDENTIFIED WITH THE IEC SYMBOL ⚠ IN THE PARTS LIST AND THE SCHEMATIC DIAGRAM DESIGNATED COMPONENTS IN WHICH SAFETY CAN BE OF SPECIAL SIGNIFICANCE. WHEN REPLACING A COMPONENT IDENTIFIED BY ⚠, USE ONLY THE REPLACEMENT PARTS DESIGNATED, OR PARTS WITH THE SAME RATINGS OF RESISTANCE, WATTAGE OR VOLTAGE THAT ARE DESIGNATED IN THE PARTS LIST IN THIS MANUAL. LEAKAGE-CURRENT OR RESISTANCE MEASUREMENTS MUST BE MADE TO DETERMINE THAT EXPOSED PARTS ARE ACCEPTABLY INSULATED FROM THE SUPPLY CIRCUIT BEFORE RETURNING THE PRODUCT TO THE CUSTOMER.

CAUTION : Regular type resistors and capacitors are not listed. To know those values, refer to the schematic diagram.
Regular type resistors are less than 1/4 W carbon type and 0 ohm chip resistors.
Regular type capacitors are less than 50 V and less than 1000 μF type of Ceramic type and Electrical type.

PACKING & ACCESSORIES

REF.NO.	PART NO.	DESCRIPTION
	614 292 7755	CARTON CASE,SET
	614 283 2837	CUSHION,TOP,TOP
	614 283 9270	CUSHION,BOTTOM,BOTTOM
	614 289 1322	INSTRUCTION MANUAL
	614 269 0949	CUSHION,SET
	614 281 1078	LABEL,CAUTION,3-CD CARRYING CAUTION
	614 283 2295	LABEL,CAUTION,3-CD OPEN/CLOSE CAUTION
	614 286 4159	LABEL,CAUTION,SHIPPING SCREW CAUTION
	614 293 6207	LABEL,CAUTION,SHIPPING SCREW CAUTION
	614 286 4173	LABEL,SHIPPING SCREW ARROW
	614 231 6832	LABEL,SAFETY,LASER CLASS INDICATE
	614 293 6221	FIXER,SHIPPIND
	412 055 5204	SPECIAL SCREW-3.0X18.5,SHIPPING SCREW
	645 005 1227	ASSY,ANTENA,LOOP,AM LOOP ANT
	614 232 6671	ANTENNA,FM ANT
	645 017 7507	REMOCON,RB-F300VD
	614 285 3993	BATTERY COVER,REMOCON

CABINET & CHASSIS

REF.NO.	PART NO.	DESCRIPTION
1	614 281 5076	ASSY,CABINET
2	614 266 1918	JOINT,FOR STRENGTH
3	614 291 8050	COVER PICK,CD PICK COVER
4	614 292 7656	ASSY,PANEL REAR,CD REAR
5	614 285 2453	SHIELD,CD REAR
6	614 281 5298	PANEL,REAR,AMP REAR
7	614 129 1901	FIXER,AC CORD
8	614 281 3003	ASSY,CABINET,BOTTOM
9	614 289 1391	ASSY,HEAT SINK
11	614 287 8194	SPACER,COVER(CD DOOR)
12	614 125 0243	CUSHION,BUTTON(DISPLAY)
13	614 125 1011	CUSHION,FRONT PWB
21	614 279 8454	DEC,WINDOW,LID(L)
22	614 289 0950	COVER,LID(L)
23	614 273 2724	ASSY,LID,CASSETTE,DECK(L)
24	614 283 9171	DEC,WINDOW,LID(R)
25	614 289 0967	COVER,LID(R)
26	614 273 2731	ASSY,LID,CASSETTE,DECK(R)
27	614 289 1087	KNOB,ROTARY,SPACE
28	614 289 1025	DEC,WINDOW,DISPLAY
29	614 283 9140	DEC,WINDOW,CD DOOR
30	614 289 1001	DOOR,CD DOOR
31	614 279 8416	DEC,WINDOW,CD DOOR LAMP
32	614 279 7662	COVER,CD DOOR
33	614 270 8316	ASSY,GEAR,CASSETTE OPEN
34	614 279 8607	MOUNTING,BRACKET,FRONT/ DECK(L)
35	614 273 3172	SPRING,WIRE,CASSETTE OPEN(L)
36	614 273 3189	SPRING,WIRE,CASSETTE OPEN(R)
37	614 281 4413	MOUNTING,BRACKET,FRONT/ DECK(R)
38	614 292 7663	ASSY,PANEL,FRONT
41	614 285 2859	BUTTON,DISC NO.
42	614 285 2446	REFLECTOR,DISC NO.
43	614 280 6937	MOUNTING,PANEL TOP
44	614 289 0905	BUTTON,COMP REC
45	614 289 0790	BUTTON,EDIT.DISC CHECK
46	614 289 0813	BUTTON,TUNING.FM MODE
47	614 279 8423	DEC,WINDOW,STANDBY
48	614 289 0837	BUTTON,POWER
49	614 279 8652	REFLECTOR,SRS
51	614 289 0912	BUTTON,VOLUME
52	614 289 0882	BUTTON,DECK MODE
53	614 289 0868	BUTTON,REVERSE,DECK A/B
54	614 289 0875	BUTTON,REC PAUSE DOLBY
55	614 279 8447	DEC,WINDOW,FUNCTION
56	614 279 8102	BUTTON,SOUND PRESET,SRS
57	614 289 0851	BUTTON,FUNCTION.D-BASS
58	614 289 0844	BUTTON,DISPLAY
59	614 289 0806	BUTTON,BAND.PRESET
60	614 289 0820	BUTTON,CD DOOR OPEN
61	614 289 0783	BUTTON,CD PLAY/PAUSE
62	614 273 2212	REFLECTOR,FUNCTION
63	614 285 2415	MOUNTING,SPRING TENS
64	614 285 2996	SPRING,TENS,CD DOOR
65	614 285 2392	MOUNTING,CD MECHA
66	614 285 2408	MOUNTING,SIDE PWB FIX
67	614 130 0382	LUG,LEAD FIX.
68	614 289 1100	MOUNTING,BRACKET,DECK PWB(UP)
69	614 289 1117	MOUNTING,BRACKET,DECK PWB(DOWN)

FIXING PARTS

REF.NO.	PART NO.	DESCRIPTION
Y01	411 021 6603	SCR S-TPG BIN 3X8,CABINET
Y02	411 021 6603	SCR S-TPG BIN 3X8,REAR-CD MECHA
Y03	411 021 6603	SCR S-TPG BIN 3X8,REAR-REAR
Y04	411 021 3701	SCR S-TPG BIN 3X10,ANT SOCKET
Y05	411 028 2905	SCR S-TPG PAN 2X4,CD MECHA-JOINT
Y06	411 021 3503	SCR S-TPG BIN 3X10,MOUNTING CD MECHA
Y07	411 021 3503	SCR S-TPG BIN 3X10,REAR-SOCKET
Y08	411 021 3503	SCR S-TPG BIN 3X10,REAR BOTTOM
Y09	411 020 9902	SCR S-TPG BRZ+FLG 3X8,CD-MECHA PWB FIX
Y10	411 001 3905	SCR S-TPG BIN 4X6,TRANS
Y11	411 021 3503	SCR S-TPG BIN 3X10,HEAT SINK-TR
Y12	411 021 3503	SCR S-TPG BIN 3X10,HEAT SINK-BOTTOM
Y13	411 021 3503	SCR S-TPG BIN 3X10,SIDE PWB

PARTS LIST

REF.NO.	PART NO.	DESCRIPTION
Y33	411 021 3503	SCR S-TPG BIN 3X10,HEADPHONE
Y34	411 021 3503	SCR S-TPG BIN 3X10,FRONT-BRACKET
Y35	411 170 7704	SCR S-TPG BIN 2.3X8,CD DOOR COVER
Y36	411 024 3708	SCR S-TPG PAN+FLG 2X6,DECK MECHA-MOUNTING
Y37	412 012 0501	SPECIAL WASHER,PANEL,FRONT

ELECTRIC PARTS

REF.NO.	PART NO.	DESCRIPTION
71	⚠ 614 256 5285	POWER CORD
or	⚠ 645 017 8658	CORD,POWER
72	645 013 5477	PLUG,JUMPER(CN990,CN991)
or	614 017 4243	PLUG
73	⚠ 403 017 0106	FUSE 250V 1.6A(FU999)
75	614 289 0509	PWB,PHONES,HOLDER
74	645 024 3905	FLEXIBLE FLAT CABLE,FRONT-CD
or	645 025 2662	FLEXIBLE FLAT CABLE,FRONT-CD
76	⚠ 645 023 0783	TRANS,POWER
77	614 130 0382	LUG
78	645 024 3899	FLEXIBLE FLAT CABLE,DECK-MAIN
or	645 025 2679	FLEXIBLE FLAT CABLE,DECK-MAIN
79	645 024 3912	FLEXIBLE FLAT CABLE,FRONT-MAIN
or	645 025 2655	FLEXIBLE FLAT CABLE,FRONT-MAIN
80	645 011 1471	FLEXIBLE FLAT CABLE,DECK-FRONT
or	645 025 3416	FLEXIBLE FLAT CABLE,DECK-FRONT
CN381	614 290 3162	ASSY,WIRE,PLAY-HEAD LEAD
CN382	614 290 3179	ASSY,WIRE,R/P,E-HEAD LEAD

TUNER/AMP. P.W.B. ASSY

REF.NO.	PART NO.	DESCRIPTION
81	⚠ 614 291 8296	ASSY,PWB,MAIN,MAIN
C2457	403 106 1603	NP-ELECT 1U Q 50V
C4147	403 067 7300	MT-COMPO 0.33U J 50V
C4154	403 067 7805	MT-COMPO 0.47U J 50V
C4570	403 057 2803	POLYESTER 0.1U K 50V
C4572	403 134 4706	NP-ELECT 2.2U M 50V
C4574	403 057 2803	POLYESTER 0.1U K 50V
C4670	403 057 2803	POLYESTER 0.1U K 50V
C4672	403 134 4706	NP-ELECT 2.2U M 50V
C4674	403 057 2803	POLYESTER 0.1U K 50V
C4721	403 140 9207	NP-ELECT 10U M 16V
C4904	403 200 0502	ELECT 3300U M 50V
C4905	403 200 0502	ELECT 3300U M 50V
C4910	403 057 2803	POLYESTER 0.1U K 50V
C4911	403 057 2803	POLYESTER 0.1U K 50V
C4916	403 134 4706	NP-ELECT 2.2U M 50V
CN201	645 005 0695	TERMINAL,ANT
CN401	614 249 8620	SOCKET
CN402	614 260 7411	SOCKET
CN403	645 006 1875	PLUG,2P
CN405	645 005 1029	JACK,RCA
CN410	645 012 5263	SOCKET,FPC 22P
or	645 005 4303	SOCKET,22P
CN411	645 005 9292	PLUG,5P
or	645 007 0082	PLUG,5P
CN412	614 035 4942	SOCKET,DIP 5P
or	645 012 7816	SOCKET,DIP 5P
CN419	645 012 5089	SOCKET,FPC 10P
or	645 005 4181	SOCKET,10P
CN475	614 282 7574	ASSY,WIRE,TO_HP
or	614 287 7166	ASSY,WIRE,TO_HP
CN476	614 281 3072	ASSY,WIRE,TO_TRANSITE
or	614 287 7135	ASSY,WIRE,TO_TRANSITE
CN491	614 020 6586	SOCKET,6P
CN492	614 020 1246	SOCKET,5P
CN493	614 020 1215	SOCKET,2P
CN494	614 020 1239	SOCKET,4P
CN495	614 020 1222	SOCKET,3P
CN499	614 234 1728	TERMINAL
D2102	407 157 8109	SVC211-B
D2103	407 157 8109	SVC211-B
D2104	407 012 4406	DIODE 1SS133
or	407 007 9904	DIODE GMA01
D2153	407 012 4406	DIODE 1SS133
or	407 007 9904	DIODE GMA01
D2451	407 012 4406	DIODE 1SS133
or	407 007 9904	DIODE GMA01
D2462	407 012 4406	DIODE 1SS133
or	407 007 9904	DIODE GMA01
D4160	407 012 4406	DIODE 1SS133
D4161	407 012 4406	DIODE 1SS133
D4162	407 012 4406	DIODE 1SS133
D4163	407 012 4406	DIODE 1SS133
D4902	407 099 6805	ZENER DIODE MTZJ13B
D4904	407 012 4406	DIODE 1SS133
D4908	407 012 4406	DIODE 1SS133
D4909	407 012 4406	DIODE 1SS133
D4910	⚠ 407 004 9709	DIODE DSK10C
D4915	407 127 3905	ZENER DIODE MTZJ5.6B
D4916	407 012 4406	DIODE 1SS133
D4962	407 012 4406	DIODE 1SS133
D4964	407 099 6805	ZENER DIODE MTZJ13B
D4991	⚠ 407 146 3306	DIODE RBA-402LF-A
IC231	409 379 2705	IC LA1832ML
IC245	409 378 4205	IC LC72131MD
IC413	409 393 4808	IC SRS5250S
IC416	409 133 8103	IC NJM4558M-S
IC417	409 133 8103	IC NJM4558M-S
IC446	⚠ 409 074 6503	IC STK4172MK2
IC451	409 133 8103	IC NJM4558M-S
IC452	409 133 8103	IC NJM4558M-S
IC455	409 133 8103	IC NJM4558M-S
IC474	409 353 8709	IC BU4052BCF
IC477	409 344 3607	IC BH3854AFS
L2102	645 020 2216	FILTER,BP 108MHZ
L2103	645 020 2247	TRANS,RF,100MHZ
L2105	645 001 5441	INDUCTOR,2.2U K
L2151	645 023 0127	TUNER
L2451	645 001 4581	INDUCTOR,100U K
LUG40	645 006 4425	FIXER
LUG49	614 129 9099	LUG,GND_TO_BOTTOM
PR490	⚠ 645 014 2536	PROTECTOR,1.5A 125V
Q2101	405 114 8506	TR 2SK193-ML
or	405 114 8407	TR 2SK193-LL
Q2102	405 140 1007	TR 2SC2786-KL
or	405 012 5904	TR 2SC1923-Y
Q2104	405 140 1007	TR 2SC2786-KL
or	405 012 5904	TR 2SC1923-Y
Q2201	405 018 7902	TR 2SC380TM-O
or	405 016 0905	TR 2SC2839-E-SPA
Q2451	405 036 3702	TR 2SA1564
or	405 000 0904	TR DTA114YS
or	405 078 2404	TR BN1A4P
Q4101	405 020 7402	TR 2SC945A-P
or	405 020 7204	TR 2SC945A-K
or	405 012 2002	TR 2SC1815-GR
Q4102	405 020 7402	TR 2SC945A-P
or	405 020 7204	TR 2SC945A-K
or	405 012 2002	TR 2SC1815-GR
Q4501	405 033 6805	TR 2SD1468S-S
or	405 021 0600	TR 2SD1012-G-SPA
Q4551	405 033 6805	TR 2SD1468S-S
or	405 021 0600	TR 2SD1012-G-SPA

PARTS LIST

REF.NO.	PART NO.	DESCRIPTION
Q4552	405 020 7402	TR 2SC945A-P
or	405 020 7204	TR 2SC945A-K
or	405 012 2002	TR 2SC1815-GR
Q4601	405 033 6805	TR 2SD1468S-S
or	405 021 0600	TR 2SD1012-G-SPA
Q4651	405 033 6805	TR 2SD1468S-S
or	405 021 0600	TR 2SD1012-G-SPA
Q4652	405 020 7402	TR 2SC945A-P
or	405 020 7204	TR 2SC945A-K
or	405 012 2002	TR 2SC1815-GR
Q4904	405 020 7402	TR 2SC945A-P
or	405 020 7204	TR 2SC945A-K
or	405 012 2002	TR 2SC1815-GR
Q4906	405 020 7402	TR 2SC945A-P
or	405 020 7204	TR 2SC945A-K
or	405 012 2002	TR 2SC1815-GR
Q4907	405 005 2002	TR 2SA733-P
or	405 005 1906	TR 2SA733-K
or	405 001 7001	TR 2SA1015-GR
Q4908	⚠ 405 035 7107	TR 2SD1913-R
or	⚠ 405 035 7206	TR 2SD1913-S
or	⚠ 405 095 1602	TR 2SD2061-E
or	⚠ 405 095 1701	TR 2SD2061-F
Q4909	⚠ 405 035 7107	TR 2SD1913-R
or	⚠ 405 035 7206	TR 2SD1913-S
or	⚠ 405 095 1602	TR 2SD2061-E
or	⚠ 405 095 1701	TR 2SD2061-F
Q4911	405 020 7402	TR 2SC945A-P
or	405 020 7204	TR 2SC945A-K
or	405 012 2002	TR 2SC1815-GR
Q4912	405 005 2002	TR 2SA733-P
or	405 005 1906	TR 2SA733-K
or	405 001 7001	TR 2SA1015-GR
Q4913	405 005 2002	TR 2SA733-P
or	405 005 1906	TR 2SA733-K
or	405 001 7001	TR 2SA1015-GR
Q4921	405 020 7402	TR 2SC945A-P
or	405 020 7204	TR 2SC945A-K
or	405 012 2002	TR 2SC1815-GR
Q4922	405 020 7402	TR 2SC945A-P
or	405 020 7204	TR 2SC945A-K
or	405 012 2002	TR 2SC1815-GR
R4564	⚠ 402 045 2603	RESISTOR 4.7 J- 1W
R4566	402 046 0509	RESISTOR 0.33 J- 3W
R4662	401 008 7204	CARBON 2.2K JB 1/2W
R4664	⚠ 402 045 2603	RESISTOR 4.7 J- 1W
R4666	402 046 0509	RESISTOR 0.33 J- 3W
R4901	⚠ 402 071 0307	FUSIBLE RES 10 JA 1/4W
R4911	⚠ 402 078 5107	FUSIBLE RES 4.7 JA 1/4W
R4920	402 049 2906	RESISTOR 22 J- 2W
R4921	402 049 2906	RESISTOR 22 J- 2W
R4939	⚠ 402 071 7207	FUSIBLE RES 100 JA 1/4W
R4948	⚠ 402 071 7207	FUSIBLE RES 100 JA 1/4W
R4981	⚠ 402 045 5703	RESISTOR 0.22 J- 2W
R4986	⚠ 402 045 5703	RESISTOR 0.22 J- 2W
RY490	⚠ 645 023 7171	RELAY
S4900	645 006 9673	SWITCH,PUSH 1P-1T
SH211	614 116 5349	SHIELD PLATE,FM_OSC
T2201	645 020 2230	TRANS,IF 10.7MHZ
or	614 239 7299	TRANS,IF
X2301	645 010 0024	OSC,CERAMIC 456KHZ
or	614 246 0870	RESONATOR
X2451	645 010 9720	OSC,CRYSTAL 7.2MHZ
or	614 240 1118	RESONATOR
or	614 229 2457	CRYSTAL
or	614 204 0317	CRYSTAL
XF221	645 017 8931	CERAMIC FILTER 10.70MHZ
XF222	645 017 8931	CERAMIC FILTER 10.70MHZ
XF231	645 023 0134	CERAMIC FILTER 450KHZ
XF233	645 018 8718	DISCR,CERAMIC
or	645 018 8824	DISCR,CERAMIC
ZA301	645 001 8336	S-INGOT SLD*MO-63,PWB DECK

POWER TRANSFORMER,PRIMARY P.W.B. ASSY

REF.NO.	PART NO.	DESCRIPTION
82	⚠ 614 292 7946	ASSY,PWB,PT1,PT1
FPC91	645 006 4760	HOLDER,FUSE
FPC92	645 006 4760	HOLDER,FUSE
L9999	614 229 0439	INDUCTOR,FERITE
WR998	614 017 8203	TERMINAL BOARD
WR999	614 017 8203	TERMINAL BOARD

POWER TRANSFORMER,SECONDARY P.W.B. ASSY

REF.NO.	PART NO.	DESCRIPTION
83	⚠ 614 289 0332	ASSY,PWB,PT2,PT2
C9001	403 200 0205	ELECT 2200U M 35V
CN900	614 020 1246	SOCKET,5P
CN901	645 005 8226	PLUG,3P
or	645 009 6433	PLUG,3P
D9001	407 012 4406	DIODE 1SS133
D9003	407 012 4406	DIODE 1SS133
D9005	407 099 9103	ZENER DIODE MTZJ27B
D9006	407 063 9504	ZENER DIODE MTZJ8.2B
D9007	⚠ 407 107 6001	DIODE RL203-BD80
D9008	⚠ 407 107 6001	DIODE RL203-BD80
D9009	407 012 4406	DIODE 1SS133
LUG90	614 129 9099	LUG,GND_TO_GND
R9001	⚠ 402 044 6008	RESISTOR 0.1 J- 1/2W
R9002	⚠ 402 044 6008	RESISTOR 0.1 J- 1/2W
R9006	⚠ 402 071 9508	FUSIBLE RES 1 JA 1/4W
R9008	⚠ 402 049 1305	RESISTOR 10 J- 2W
or	⚠ 402 071 3902	RESISTOR 10 J- 2W

REGULATOR (2) P.W.B. ASSY

REF.NO.	PART NO.	DESCRIPTION
84	⚠ 614 289 0356	ASSY,PWB,REG2,REG2
D9400	407 012 4406	DIODE 1SS133
IC940	409 145 2809	IC NJM7805FA
R9401	⚠ 402 071 0307	FUSIBLE RES 10 JA 1/4W

REGULATOR (1) P.W.B. ASSY

REF.NO.	PART NO.	DESCRIPTION
85	⚠ 614 289 0349	ASSY,PWB,REG1,REG1
CN920	614 020 6586	SOCKET,6P
D9201	407 099 4603	ZENER DIODE MTZJ3.9B
D9202	407 099 7000	ZENER DIODE MTZJ15B
Q9200	405 020 7402	TR 2SC945A-P
or	405 020 7204	TR 2SC945A-K
or	405 012 2002	TR 2SC1815-GR
Q9201	⚠ 405 095 1701	TR 2SD2061-F
or	⚠ 405 095 1602	TR 2SD2061-E
or	⚠ 405 035 7206	TR 2SD1913-S
or	⚠ 405 035 7107	TR 2SD1913-R
Q9203	405 020 7402	TR 2SC945A-P
or	405 020 7204	TR 2SC945A-K
or	405 012 2002	TR 2SC1815-GR
Q9204	405 005 2002	TR 2SA733-P
or	405 005 1906	TR 2SA733-K
or	405 001 7001	TR 2SA1015-GR
Q9205	405 000 0904	TR DTA114YS
Q9300	⚠ 405 035 7107	TR 2SD1913-R
or	⚠ 405 035 7206	TR 2SD1913-S
or	⚠ 405 095 1602	TR 2SD2061-E
or	⚠ 405 095 1701	TR 2SD2061-F

PARTS LIST

REF.NO.	PART NO.	DESCRIPTION
R9200	⚠ 402 060 5306	RESISTOR 1 J- 1/2W
R9201	⚠ 402 044 6008	RESISTOR 0.1 J- 1/2W
R9300	⚠ 402 060 5306	RESISTOR 1 J- 1/2W

SPEAKER TERMINAL P.W.B. ASSY

REF.NO.	PART NO.	DESCRIPTION
86	⚠ 614 289 0370	ASSY,PWB,SPEAKER
CN485	614 252 9133	TERMINAL,SP
CN486	614 020 1239	SOCKET,4P

PHONES SOCKET P.W.B. ASSY

REF.NO.	PART NO.	DESCRIPTION
87	⚠ 614 289 0363	ASSY,PWB,HEADPHONE
CN421	645 008 4553	PLUG,HOUSING 5P
CN422	645 009 0042	JACK,PHONE D6.43,HEADPHONE
R4221	401 009 5506	CARBON 330 JB 1/2W
R4222	401 009 5506	CARBON 330 JB 1/2W

FRONT P.W.B. ASSY

REF.NO.	PART NO.	DESCRIPTION
88	⚠ 614 292 8714	ASSY,PWB,FRONT,FRONT
BR601	614 273 2120	HOLDER,MOUNT,FL_MOUNT
BR602	614 112 1536	DOUBLE FACE,HOLDER_MOUNT
C6091	403 196 4102	ELECT 1000U M 6.3V
CN602	645 005 4679	SOCKET,22P,FRONT-AMP
CN603	614 035 4928	SOCKET,DIP 3P
or	645 012 7793	SOCKET,DIP 3P,FRONT-PT2
CN604	645 019 1312	SOCKET,FPC 18P,FRONT-TRANSITE
CN605	645 005 4570	SOCKET,12P,FRONT-DECK
CN609	614 035 4942	SOCKET,DIP 5P
or	645 012 7816	SOCKET,DIP 5P,FRONT-SIDE
CN610	614 285 1494	ASSY,WIRE,FRONT-PT2
CN611	614 281 3119	ASSY,WIRE,FRONT-MAIN
CN615	645 006 0908	PLUG,2P
or	645 009 6426	PLUG,2P,LAMP
D6001	407 012 4406	DIODE 1SS133
D6003	407 012 4406	DIODE 1SS133
D6009	407 099 4603	ZENER DIODE MTZJ3.9B
D6501	408 035 2400	LED SLZ-381C-13H-AB-T2,FUNTION_ GREEN
D6502	408 035 2400	LED SLZ-381C-13H-AB-T2,FUNTION_ GREEN
D6503	408 034 8700	LED SLZ-981C-13H-AB-T2,FUNTION_ RED
D6504	408 035 2400	LED SLZ-381C-13H-AB-T2,FUNTION_ GREEN
D6505	408 035 2400	LED SLZ-381C-13H-AB-T2,FUNTION_ GREEN
D6506	408 034 8700	LED SLZ-981C-13H-AB-T2,FUNTION_ RED
D6507	408 035 2400	LED SLZ-381C-13H-AB-T2,FUNTION_ GREEN
D6508	408 035 2400	LED SLZ-381C-13H-AB-T2,FUNTION_ GREEN
D6509	408 034 8700	LED SLZ-981C-13H-AB-T2,FUNTION_ RED
D6510	408 035 2400	LED SLZ-381C-13H-AB-T2,FUNTION_ GREEN
D6511	408 035 2400	LED SLZ-381C-13H-AB-T2,FUNTION_ GREEN
D6512	408 034 8700	LED SLZ-981C-13H-AB-T2,FUNTION_ RED
D6513	408 035 2400	LED SLZ-381C-13H-AB-T2,SRS_ GREEN
D6520	408 034 8700	LED SLZ-981C-13H-AB-T2,STAND_BY

REF.NO.	PART NO.	DESCRIPTION
DS601	408 035 6101	PHOTO DIODE PIC-21043TE3,IR
FL601	645 017 1123	FLUORESCENT TUBE,FL
IC601	410 288 5107	IC M38184MA-284FP,MICON
IC603	409 333 2505	IC BU4066BCF
L6000	645 001 4550	INDUCTOR,10U K
Q6001	405 020 7402	TR 2SC945A-P
or	405 020 7204	TR 2SC945A-K
Q6002	405 020 7402	TR 2SC945A-P
or	405 020 7204	TR 2SC945A-K
Q6003	405 006 1905	TR 2SA933S-S
or	405 006 1806	TR 2SA933S-R
or	405 057 7604	TR 2SA1175-FF
or	405 002 5402	TR 2SA1175-EF
Q6004	405 006 3909	TR 2SA952-K
or	405 006 4005	TR 2SA952-L
Q6005	405 000 0904	TR DTA114YS
or	405 078 2404	TR BN1A4P
Q6006	405 020 7402	TR 2SC945A-P
or	405 020 7204	TR 2SC945A-K
Q6007	405 020 7402	TR 2SC945A-P
or	405 020 7204	TR 2SC945A-K
Q6008	405 020 7402	TR 2SC945A-P
or	405 020 7204	TR 2SC945A-K
Q6009	405 020 7402	TR 2SC945A-P
or	405 020 7204	TR 2SC945A-K
Q6010	405 020 7402	TR 2SC945A-P
or	405 020 7204	TR 2SC945A-K
Q6011	405 020 7402	TR 2SC945A-P
or	405 020 7204	TR 2SC945A-K
Q6012	405 020 7402	TR 2SC945A-P
or	405 020 7204	TR 2SC945A-K
Q6013	405 020 7402	TR 2SC945A-P
or	405 020 7204	TR 2SC945A-K
S6100	614 240 1002	SWITCH,TACT
or	645 006 5958	SWITCH,PUSH 1P-1T
or	614 220 5471	SWITCH,TACT
S6101	614 240 1002	SWITCH,TACT
or	645 006 5958	SWITCH,PUSH 1P-1T
or	614 220 5471	SWITCH,TACT
S6102	614 240 1002	SWITCH,TACT
or	645 006 5958	SWITCH,PUSH 1P-1T
or	614 220 5471	SWITCH,TACT
S6103	614 240 1002	SWITCH,TACT
or	645 006 5958	SWITCH,PUSH 1P-1T
or	614 220 5471	SWITCH,TACT
S6104	614 240 1002	SWITCH,TACT
or	645 006 5958	SWITCH,PUSH 1P-1T
or	614 220 5471	SWITCH,TACT
S6105	614 240 1002	SWITCH,TACT
or	645 006 5958	SWITCH,PUSH 1P-1T
or	614 220 5471	SWITCH,TACT
S6106	614 240 1002	SWITCH,TACT
or	645 006 5958	SWITCH,PUSH 1P-1T
or	614 220 5471	SWITCH,TACT
S6107	614 240 1002	SWITCH,TACT
or	645 006 5958	SWITCH,PUSH 1P-1T
or	614 220 5471	SWITCH,TACT
S6110	614 240 1002	SWITCH,TACT
or	645 006 5958	SWITCH,PUSH 1P-1T
or	614 220 5471	SWITCH,TACT
S6113	614 240 1002	SWITCH,TACT
or	645 006 5958	SWITCH,PUSH 1P-1T
or	614 220 5471	SWITCH,TACT
S6114	614 240 1002	SWITCH,TACT
or	645 006 5958	SWITCH,PUSH 1P-1T
or	614 220 5471	SWITCH,TACT

PARTS LIST

REF.NO.	PART NO.	DESCRIPTION
S6115	614 240 1002	SWITCH,TACT
or	645 006 5958	SWITCH,PUSH 1P-1T
or	614 220 5471	SWITCH,TACT
S6116	614 240 1002	SWITCH,TACT
or	645 006 5958	SWITCH,PUSH 1P-1T
or	614 220 5471	SWITCH,TACT
S6117	614 240 1002	SWITCH,TACT
or	645 006 5958	SWITCH,PUSH 1P-1T
or	614 220 5471	SWITCH,TACT
S6118	614 240 1002	SWITCH,TACT
or	645 006 5958	SWITCH,PUSH 1P-1T
or	614 220 5471	SWITCH,TACT
S6119	614 240 1002	SWITCH,TACT
or	645 006 5958	SWITCH,PUSH 1P-1T
or	614 220 5471	SWITCH,TACT
S6120	614 240 1002	SWITCH,TACT
or	645 006 5958	SWITCH,PUSH 1P-1T
or	614 220 5471	SWITCH,TACT
S6121	614 240 1002	SWITCH,TACT
or	645 006 5958	SWITCH,PUSH 1P-1T
or	614 220 5471	SWITCH,TACT
S6125	614 240 1002	SWITCH,TACT
or	645 006 5958	SWITCH,PUSH 1P-1T
or	614 220 5471	SWITCH,TACT
S6126	614 240 1002	SWITCH,TACT
or	645 006 5958	SWITCH,PUSH 1P-1T
or	614 220 5471	SWITCH,TACT
S6127	614 240 1002	SWITCH,TACT
or	645 006 5958	SWITCH,PUSH 1P-1T
or	614 220 5471	SWITCH,TACT
S6128	614 240 1002	SWITCH,TACT
or	645 006 5958	SWITCH,PUSH 1P-1T
or	614 220 5471	SWITCH,TACT
S6129	614 240 1002	SWITCH,TACT
or	645 006 5958	SWITCH,PUSH 1P-1T
or	614 220 5471	SWITCH,TACT
S6130	614 240 1002	SWITCH,TACT
or	645 006 5958	SWITCH,PUSH 1P-1T
or	614 220 5471	SWITCH,TACT
S6131	614 240 1002	SWITCH,TACT
or	645 006 5958	SWITCH,PUSH 1P-1T
or	614 220 5471	SWITCH,TACT
S6132	614 240 1002	SWITCH,TACT
or	645 006 5958	SWITCH,PUSH 1P-1T
or	614 220 5471	SWITCH,TACT
S6133	614 240 1002	SWITCH,TACT
or	645 006 5958	SWITCH,PUSH 1P-1T
or	614 220 5471	SWITCH,TACT
S6134	614 240 1002	SWITCH,TACT
or	645 006 5958	SWITCH,PUSH 1P-1T
or	614 220 5471	SWITCH,TACT
S6136	614 240 1002	SWITCH,TACT
or	645 006 5958	SWITCH,PUSH 1P-1T
or	614 220 5471	SWITCH,TACT
S6137	614 240 1002	SWITCH,TACT
or	645 006 5958	SWITCH,PUSH 1P-1T
or	614 220 5471	SWITCH,TACT
S6138	614 240 1002	SWITCH,TACT
or	645 006 5958	SWITCH,PUSH 1P-1T
or	614 220 5471	SWITCH,TACT
S6139	614 240 1002	SWITCH,TACT
or	645 006 5958	SWITCH,PUSH 1P-1T
or	614 220 5471	SWITCH,TACT
S6640	614 240 1002	SWITCH,TACT
or	645 006 5958	SWITCH,PUSH 1P-1T
or	614 220 5471	SWITCH,TACT

REF.NO.	PART NO.	DESCRIPTION
S6641	614 240 1002	SWITCH,TACT
or	645 006 5958	SWITCH,PUSH 1P-1T
or	614 220 5471	SWITCH,TACT
VR602	645 023 1070	VR,ROTARY,SPACE
X6001	614 252 7627	RESONATOR,XTAL
X6002	614 215 5561	RESONATOR,CERAM,XTAL
or	614 215 5523	RESONATOR,CERAM,XTAL

TRANSIT P.W.B. ASSY

REF.NO.	PART NO.	DESCRIPTION
89	⚠ 614 289 0271	ASSY,PWB,TRANSITE,TRANSITE
CN691	645 005 4631	SOCKET,18P,FRONT-CD
CN692	645 009 0073	PLUG,14P,FRONT-CD
CN693	645 009 0059	PLUG,10P,FRONT-CD
CN694	645 009 6457	PLUG,5P,TRANSIT
or	645 006 0922	PLUG,5P

LED P.W.B. ASSY

REF.NO.	PART NO.	DESCRIPTION
90	⚠ 614 289 0233	ASSY,PWB,LED,LED
CN672	614 284 3895	ASSY,WIRE,FRONT-LED2P
or	614 287 7173	ASSY,WIRE,FRONT-LED2P
D6710	408 036 0504	LED SLZ-381C-09H-AB-T1,DISC_LED_ GREEN
D6711	408 036 0504	LED SLZ-381C-09H-AB-T1,DISC_LED_ GREEN
D6712	408 036 0504	LED SLZ-381C-09H-AB-T1,DISC_LED_ GREEN
D6713	408 036 0504	LED SLZ-381C-09H-AB-T1,DISC_LED_ GREEN
D6714	408 036 0504	LED SLZ-381C-09H-AB-T1,DISC_LED_ GREEN
D6715	408 036 0504	LED SLZ-381C-09H-AB-T1,DISC_LED_ GREEN
S6704	645 006 5958	SWITCH,PUSH 1P-1T
or	614 240 1002	SWITCH,TACT
or	614 220 5471	SWITCH,TACT
S6705	645 006 5958	SWITCH,PUSH 1P-1T
or	614 240 1002	SWITCH,TACT
or	614 220 5471	SWITCH,TACT
S6706	645 006 5958	SWITCH,PUSH 1P-1T
or	614 240 1002	SWITCH,TACT
or	614 220 5471	SWITCH,TACT

DOOR LAMP P.W.B. ASSY

REF.NO.	PART NO.	DESCRIPTION
91	⚠ 614 289 0257	ASSY,PWB,LAMP,LAMP
CN685	614 287 7159	ASSY,WIRE
or	614 282 7567	ASSY,WIRE
LP685	614 046 0094	LAMP

CD P.W.B. ASSY

REF.NO.	PART NO.	DESCRIPTION
92	614 290 6156	ASSY,PWB,CD
CN101	645 005 8110	PLUG,4P
or	645 007 0075	PLUG,4P
CN111	645 010 1472	SOCKET,FPC 13P,CD_PICKUP
CN113	645 007 0099	PLUG,6P
or	645 005 8127	PLUG,6P
CN114	645 012 2736	SOCKET,DIP 8P
or	645 012 7847	SOCKET,DIP 8P
CN115	614 035 4935	SOCKET,DIP 4P
or	645 012 7809	SOCKET,DIP 4P
CN124	614 276 3643	ASSY,WIRE,CD-CDMECHA
or	614 287 1416	ASSY,WIRE

PARTS LIST

REF.NO.	PART NO.	DESCRIPTION
CN125	614 276 3636	ASSY,WIRE,CD-CDMECHA
or	614 287 1409	ASSY,WIRE
CN131	645 009 0158	SOCKET,14P
CN132	645 009 0134	SOCKET,10P
D1350	407 012 4406	DIODE 1SS133
D1351	407 127 3905	ZENER DIODE MTZJ5.6B
D1361	407 099 5105	ZENER DIODE MTZJ4.7B
D1370	407 012 4406	DIODE 1SS133
D1371	407 099 4504	ZENER DIODE MTZJ3.9A
D1601	⚠ 407 012 0309	DIODE 1N4003
or	⚠ 408 031 1209	DIODE 1N4003
D1602	⚠ 407 012 0309	DIODE 1N4003
or	⚠ 408 031 1209	DIODE 1N4003
D1603	⚠ 407 012 0309	DIODE 1N4003
or	⚠ 408 031 1209	DIODE 1N4003
IC101	409 327 3402	IC CXA1782BQ
IC102	⚠ 409 317 8509	IC BA6398FP
IC104	⚠ 409 386 7502	IC CXD2508AQ
IC106	409 039 7408	IC NJM4558D
or	409 018 4305	IC LA6458D
IC131	⚠ 409 408 1402	IC LB1648L
IC132	⚠ 409 408 1303	IC LB1641L
L1401	645 001 4550	INDUCTOR,10U K
PR161	⚠ 645 020 7235	PROTECTOR
PR162	⚠ 645 020 7235	PROTECTOR
PR199	⚠ 645 014 2499	PROTECTOR,0.4A 125V
Q1101	405 008 7202	TR 2SB810-E
or	405 008 7301	TR 2SB810-F
Q1102	405 008 7202	TR 2SB810-E
or	405 008 7301	TR 2SB810-F
Q1201	⚠ 405 078 8109	TR TIP32B
or	⚠ 405 138 3907	TR KTB988-Y
Q1202	405 008 7301	TR 2SB810-F
or	405 008 7202	TR 2SB810-E
Q1211	405 000 3806	TR DTC114YS
Q1321	405 011 8609	TR 2SC1740S-S
or	405 011 8500	TR 2SC1740S-R
Q1351	405 000 0508	TR DTA114ES
Q1361	405 000 0508	TR DTA114ES
Q1371	405 000 0508	TR DTA114ES
R1350	⚠ 402 048 1603	RESISTOR 10 J- 1W
R1371	⚠ 402 048 1603	RESISTOR 10 J- 1W
T1001	614 234 1728	TERMINAL
VR101	645 010 7597	VR,SEMI,47K N
X1401	614 259 2137	RESONATOR,CERAMIC
or	614 254 6932	RESONATOR,CERAMIC

TAPE DECK DOLBY-B LOGIC P.W.B. ASSY

REF.NO.	PART NO.	DESCRIPTION
93	⚠ 614 289 0394	ASSY,PWB,DECK DOLBY LOGIC,DECK DOLBY-B LOGIC
C3606	403 058 1102	POLYESTER 1500P K 50V
C3607	403 058 9900	POLYESTER 0.018U K 50V
CN301	645 005 4181	SOCKET,10P
or	645 012 5089	SOCKET,FPC 10P
CN302	645 012 5096	SOCKET,FPC 12P
or	645 005 4204	SOCKET,12P
CN311	645 023 1094	CORD,ID CONNECTOR
CN312	614 020 6562	SOCKET,4P
or	614 223 9223	SOCKET
CN313	645 024 5435	CORD,ID CONNECTOR
CN314	614 223 9223	SOCKET
or	614 020 6562	SOCKET,4P
CN315	645 007 0051	PLUG,2P
CN316	645 007 0051	PLUG,2P
CN351	645 009 6433	PLUG,3P
or	645 005 8226	PLUG,3P
CN361	645 007 0051	PLUG,2P
CN371	645 007 0075	PLUG,4P
or	645 005 8110	PLUG,4P
CN372	645 007 0105	PLUG,7P
or	645 006 0861	PLUG,7P
CN373	645 007 0051	PLUG,2P
CN374	645 007 0068	PLUG,3P
CN383	645 007 0051	PLUG,2P
D3101	407 004 9709	DIODE DSK10C
D3102	407 004 9709	DIODE DSK10C
D3103	407 012 4406	DIODE 1SS133
or	407 007 9904	DIODE GMA01
D3104	407 012 4406	DIODE 1SS133
or	407 007 9904	DIODE GMA01
D3501	407 012 4406	DIODE 1SS133
or	407 007 9904	DIODE GMA01
D3502	407 012 4406	DIODE 1SS133
or	407 007 9904	DIODE GMA01
D3551	407 012 4406	DIODE 1SS133
or	407 007 9904	DIODE GMA01
D3552	407 012 4406	DIODE 1SS133
or	407 007 9904	DIODE GMA01
D3631	407 007 9904	DIODE GMA01
or	407 012 4406	DIODE 1SS133
D3632	407 007 9904	DIODE GMA01
or	407 012 4406	DIODE 1SS133
D3641	407 012 4406	DIODE 1SS133
or	407 007 9904	DIODE GMA01
D3642	407 012 4406	DIODE 1SS133
or	407 007 9904	DIODE GMA01
FU999	423 017 0106	FUSE 250V 1.6A
HS301	614 215 9347	HEAT SINK,BIASLEAK
IC351	409 239 5204	IC CXA1100P
IC361	409 346 2301	IC BU2090F
IC362	409 050 8200	IC TC4011BF
IC369	409 241 5308	IC BA3126N
or	409 145 8405	IC UPC1330HA
IC371	409 121 8702	IC LA3246
IC373	409 241 4400	IC CXA1398P
L3501	614 270 4295	FILTER,LC
L3551	614 270 4295	FILTER,LC
L3601	614 212 0804	TRANS,OSC
L3701	645 004 0580	INDUCTOR,1M J
L3731	614 290 3247	FILTER,85KHZ
L3801	645 004 0580	INDUCTOR,1M J
L3831	614 290 3247	FILTER,85KHZ
LUG30	645 006 4425	FIXER
Q3122	405 006 4005	TR 2SA952-L
or	405 006 3909	TR 2SA952-K
Q3123	405 006 1905	TR 2SA933S-S
or	405 006 1806	TR 2SA933S-R
or	405 057 7604	TR 2SA1175-FF
or	405 002 5402	TR 2SA1175-EF
or	405 002 1305	TR 2SA1048-Y
or	405 002 1107	TR 2SA1048-GR
Q3124	405 006 4005	TR 2SA952-L
or	405 006 3909	TR 2SA952-K
Q3125	405 006 4005	TR 2SA952-L
or	405 006 3909	TR 2SA952-K
Q3126	405 006 1905	TR 2SA933S-S
or	405 006 1806	TR 2SA933S-R
or	405 057 7604	TR 2SA1175-FF
or	405 002 5402	TR 2SA1175-EF
or	405 002 1305	TR 2SA1048-Y
or	405 002 1107	TR 2SA1048-GR
Q3127	405 006 4005	TR 2SA952-L
or	405 006 3909	TR 2SA952-K

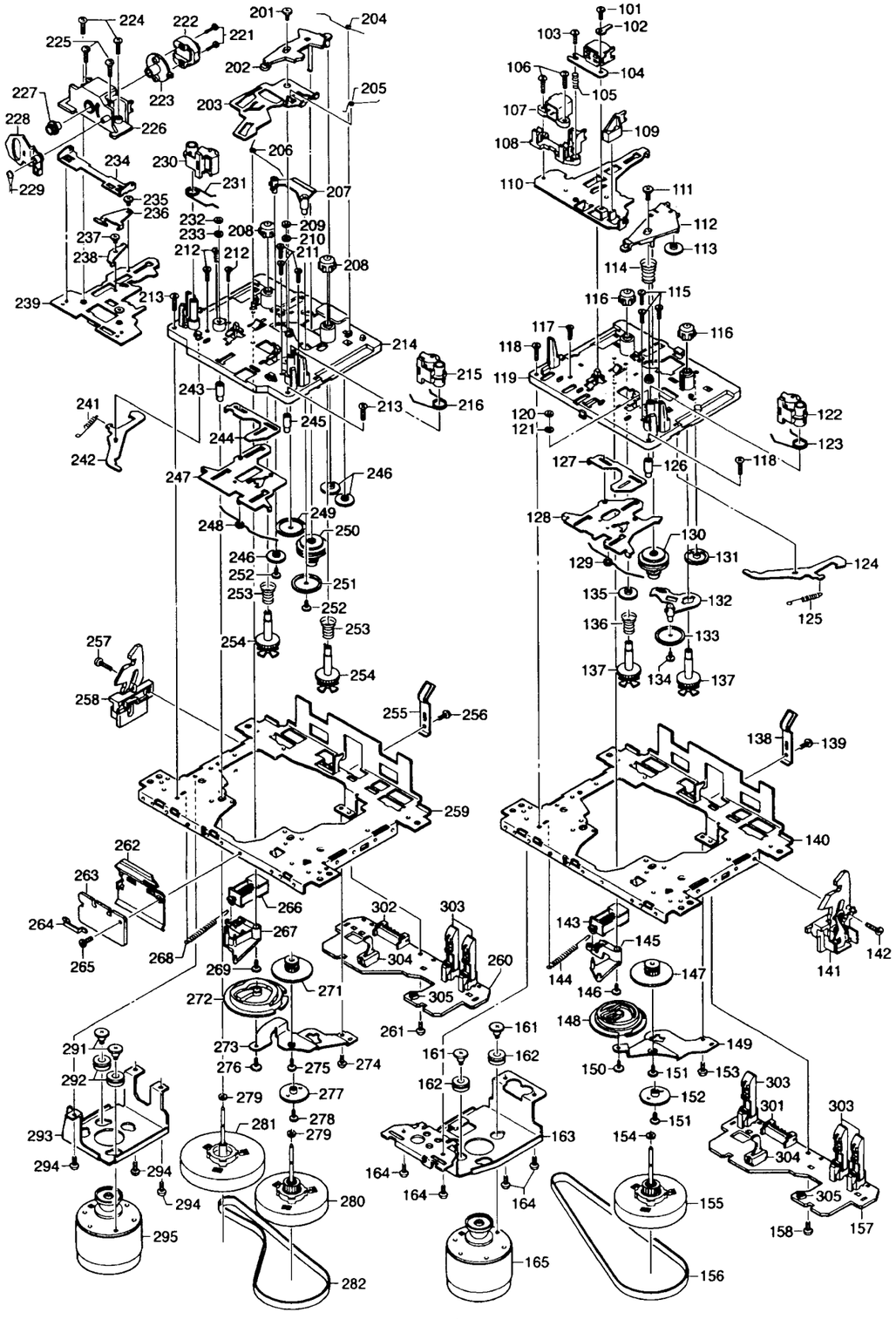
PARTS LIST

REF.NO.	PART NO.	DESCRIPTION
Q3501	405 020 7402	TR 2SC945A-P
or	405 020 7204	TR 2SC945A-K
or	405 012 2002	TR 2SC1815-GR
Q3502	405 020 7402	TR 2SC945A-P
or	405 020 7204	TR 2SC945A-K
or	405 012 2002	TR 2SC1815-GR
Q3503	405 020 7402	TR 2SC945A-P
or	405 020 7204	TR 2SC945A-K
or	405 012 2002	TR 2SC1815-GR
Q3504	405 020 7402	TR 2SC945A-P
or	405 020 7204	TR 2SC945A-K
or	405 012 2002	TR 2SC1815-GR
Q3505	405 000 6104	TR DTC144ES
or	405 078 3005	TR BA1L4M
Q3506	405 020 7402	TR 2SC945A-P
or	405 020 7204	TR 2SC945A-K
or	405 012 2002	TR 2SC1815-GR
Q3551	405 020 7402	TR 2SC945A-P
or	405 020 7204	TR 2SC945A-K
or	405 012 2002	TR 2SC1815-GR
Q3552	405 020 7402	TR 2SC945A-P
or	405 020 7204	TR 2SC945A-K
or	405 012 2002	TR 2SC1815-GR
Q3553	405 020 7402	TR 2SC945A-P
or	405 020 7204	TR 2SC945A-K
or	405 012 2002	TR 2SC1815-GR
Q3601	405 005 2002	TR 2SA733-P
or	405 005 1906	TR 2SA733-K
or	405 001 7001	TR 2SA1015-GR
Q3602	405 020 7402	TR 2SC945A-P
or	405 020 7204	TR 2SC945A-K
or	405 012 2002	TR 2SC1815-GR
Q3603	405 012 7502	TR 2SC2001-L
or	405 012 7403	TR 2SC2001-K
Q3604	405 020 7204	TR 2SC945A-K
or	405 012 2002	TR 2SC1815-GR
or	405 020 7402	TR 2SC945A-P
Q3605	405 137 6404	TR 2SC2003-K
or	405 012 8103	TR 2SC2003-L
Q3621	405 000 6104	TR DTC144ES
or	405 078 3005	TR BA1L4M
Q3622	405 011 8609	TR 2SC1740S-S
or	405 011 8500	TR 2SC1740S-R
Q3641	405 000 6104	TR DTC144ES
or	405 078 3005	TR BA1L4M
Q3642	405 000 6104	TR DTC144ES
or	405 078 3005	TR BA1L4M
Q3643	405 000 6104	TR DTC144ES
or	405 078 3005	TR BA1L4M
Q3651	405 000 6104	TR DTC144ES
or	405 078 3005	TR BA1L4M
Q3701	405 075 8409	TR DTC144TS
or	405 105 7204	TR BA1L4Z
Q3702	405 020 7402	TR 2SC945A-P
or	405 020 7204	TR 2SC945A-K
or	405 012 2002	TR 2SC1815-GR
Q3703	405 020 7402	TR 2SC945A-P
or	405 020 7204	TR 2SC945A-K
or	405 012 2002	TR 2SC1815-GR
Q3704	405 075 8409	TR DTC144TS
or	405 105 7204	TR BA1L4Z
Q3731	405 000 6104	TR DTC144ES
or	405 078 3005	TR BA1L4M
Q3801	405 075 8409	TR DTC144TS
or	405 105 7204	TR BA1L4Z
Q3802	405 020 7402	TR 2SC945A-P
or	405 020 7204	TR 2SC945A-K
or	405 012 2002	TR 2SC1815-GR
Q3803	405 020 7402	TR 2SC945A-P
or	405 020 7204	TR 2SC945A-K
or	405 012 2002	TR 2SC1815-GR
Q3804	405 075 8409	TR DTC144TS
or	405 105 7204	TR BA1L4Z
Q3831	405 000 6104	TR DTC144ES
or	405 078 3005	TR BA1L4M
VR311	645 006 5804	VR,SEMI,2.2K N
VR312	645 006 5804	VR,SEMI,2.2K N
VR313	645 006 5804	VR,SEMI,2.2K N
VR314	645 006 5804	VR,SEMI,2.2K N
VR351	645 006 5422	VR,SEMI,10K N
VR371	645 006 5712	VR,SEMI,10K N
VR372	645 006 5712	VR,SEMI,10K N
VR373	645 006 5712	VR,SEMI,10K N
VR374	645 006 5729	VR,SEMI,100K N
VR381	645 006 5712	VR,SEMI,10K N
VR382	645 006 5712	VR,SEMI,10K N

SPEAKER BOX ASSY (SX-F300L, R)

REF.NO.	PART NO.	DESCRIPTION
	614 295 3068	ASSY,SP BOX SX-F300L/AUML,LEFT
	614 295 3075	ASSY,SP BOX SX-F300R/AUML,RIGHT

EXPLODED VIEW (TAPE DECK MECHANISM)



PARTS LIST

TAPE MECHANISM (TM-300MEC-SP)

REF.NO.	PART NO.	DESCRIPTION
101	645 024 3134	BIND-SCREW,2X5MM
102	645 024 2311	EARTH-LUG D2
103	645 024 3134	BIND-SCREW,2X6MM
104	614 208 4052	HEAD,R/P
105	645 024 2397	AZIMUTH-SP,R/P HEAD
106	645 024 3158	BIND-SCREW,2X6MM
107	614 021 8831	MAGNETIC HEAD,ERASE
108	645 024 2380	HEAD-SPACER
109	645 024 2441	TAPE-GUIDE
110	645 024 2366	HEAD-BASE
111	645 024 3257	SCREW
112	645 024 2045	CENTER-ARM
113	645 024 2137	SEND-GEAR(B)
114	645 024 2069	PRESSURE-SP
115	645 024 3127	SCREW,1.7X6MM
116	645 024 1918	REEL-CAP
117	645 024 3127	SCREW,1.7X6MM
118	645 024 3158	BIND-SCREW,2X6MM
119	645 024 1925	MOLD-CHASSISS
120	645 024 3264	L-CUT-WASHER,1.5X3.5X0.5MM
121	645 024 3097	P-WASHER,2X3.5X0.25MM
122	645 024 2410	ASSY,PINCH-ARM
123	645 024 2359	PINCH-SP
124	645 024 2175	EJECT-LOCK
125	645 024 2182	EJECT-LOCK-SP
126	645 024 1932	OILLESS-BEARING-D1.8
127	645 024 1963	SELECT-LEVER
128	645 024 1956	ASSY,SELECT-BASE
129	645 024 2373	HEAD-BASE-SP
130	645 024 2250	ASSY,FF-GEAR
131	645 024 2113	SEND-GEAR(C)
132	645 024 2052	FWD-ARM
133	645 024 2144	SEND-GEAR(A)
134	645 024 3127	SCREW,1.7X6MM
135	645 024 2137	SEND-GEAR(B)
136	645 024 2021	BACK-TENSION-SP
137	645 024 2014	REEL-GEAR
138	645 024 2243	CST-HOLDER-SP
139	645 024 3134	BIND-SCREW,2X6MM
140	645 024 1970	MECHA-CHASSIS
141	645 024 3189	ASSY,EJECT-BASE
142	645 024 3158	BIND-SCREW,2X6MM
143	645 024 2038	SOLENOID
144	645 024 2199	TRIGGER-ARM-SP
145	645 024 2168	TRIGGER-ARM
146	645 024 3103	SCREW
147	645 024 2229	ASSY,CENTER-GEAR
148	645 024 2151	ASSIST-GEAR
149	645 024 2205	PROTECT-STAY
150	645 024 3257	SCREW
151	645 024 3103	SCREW
152	645 024 2144	SEND-GEAR(A)
153	645 024 3103	SCREW
154	645 024 3097	P-WASHER,2X3.5X0.25MM
155	645 024 2281	ASSY,FW-GEAR
156	645 024 3073	MAIN-BELT
157	645 024 2533	SENSOR-PCB
158	645 024 3134	BIND-SCREW,2X5MM
161	645 024 3165	MOTOR-SCREW
162	645 024 3172	RUBBER-CUSHION
163	645 024 2427	MOTOR-BKT
164	645 024 3134	BIND-SCREW,2X5MM
165	614 293 5712	ASSY,MOTOR
201	645 024 3257	SCREW
202	645 024 2076	CENTER-ARM
203	645 024 2212	REV-PLATE
204	645 024 2526	CENTER-BASE-SP(B)
205	645 024 2601	REV-SP
206	645 024 2519	CENTER-BASE-SP(A)
207	645 024 2083	FWD-ARM
208	645 024 1918	REEL-CAP
209	645 024 3264	L-CUT-WASHER,1.5X3.5X0.5MM
210	645 024 3097	P-WASHER,2X3.5X0.25MM
211	645 024 3127	SCREW,1.7X6MM
212	645 024 3127	SCREW,1.7X6MM
213	645 024 3158	BIND-SCREW,2X6MM
214	645 024 1987	MOLD-CHASSISS
215	645 024 2410	ASSY,PINCH-AR
216	645 024 2595	PINCH-SP
221	645 024 3110	SCREW,1.4X6MM
222	614 236 9197	HEAD,PLAY,ROTARY
223	645 024 2489	HEAD-HOLDER
224	645 024 3134	BIND-SCREW,2X6MM
225	645 024 3233	AZIMUTH SCREW
226	645 024 2472	HEAD-GUIDE
227	645 024 2496	HEAD-GEAR
228	645 024 2502	REV-RACK
229	645 024 2564	RACK-SP
230	645 024 2403	ASSY,PINCH-ARM
231	645 024 2588	PINCH-SP
232	645 024 3271	L-CUT-WASHER,1.7X3.5X0.5MM
233	645 024 3097	P-WASHER,2X3.5X0.25MM
234	645 024 2465	PINCH-PLATE
235	645 024 3080	SCREW
236	645 024 2557	REV-PLATE(A)
237	645 024 3080	SCREW
238	645 024 2540	REV-PLATE(B)
239	645 024 2458	ASSY,HEAD-BASE
241	645 024 2182	EJECT-LOCK-SP
242	645 024 2175	EJECT-LOCK
243	645 024 1949	OILLESS-BEARING-D2.0
244	645 024 2007	SELECT-LEVER
245	645 024 1932	OILLESS-BEARING-D1.8
246	645 024 2137	SEND-GEAR(B)
247	645 024 1994	ASSY,SELECT-BASE
248	645 024 2571	HEAD-BASE-SP
249	645 024 2144	SEND-GEAR(A)
250	645 024 2250	ASSY,FF-GEAR
251	645 024 2144	SEND-GEAR(A)
252	645 024 3103	SCREW
253	645 024 2021	BACK-TENSION-SP
254	645 024 2014	REEL-GEAR
255	645 024 2243	CST-HOLDER-SP
256	645 024 3134	BIND-SCREW,2X6MM
257	645 024 3196	ASSY,EJECT-BASE
258	645 024 3158	BIND-SCREW
259	645 024 1970	MECHA-CHASSIS
260	645 024 2533	SENSOR-PWB
261	645 024 3134	BIND-SCREW
262	645 024 3219	SHIELD-PLATE(A)
263	645 024 3202	HEAD-PWB
264	645 024 3226	WIRE-CLAMP
265	645 024 3134	BIND-SCREW,2X5MM
266	645 024 2038	SOLENOID
267	645 024 2236	TRIGGER-ARM
268	645 024 2199	TRIGGER-ARM-SP
269	645 024 3103	SCREW
271	645 024 2229	ASSY,CENTER-GEAR
272	645 024 2120	ASSIST-GEAR
273	645 024 2267	PROTECT-STAY
274	645 024 3134	BIND-SCREW,2x5MM

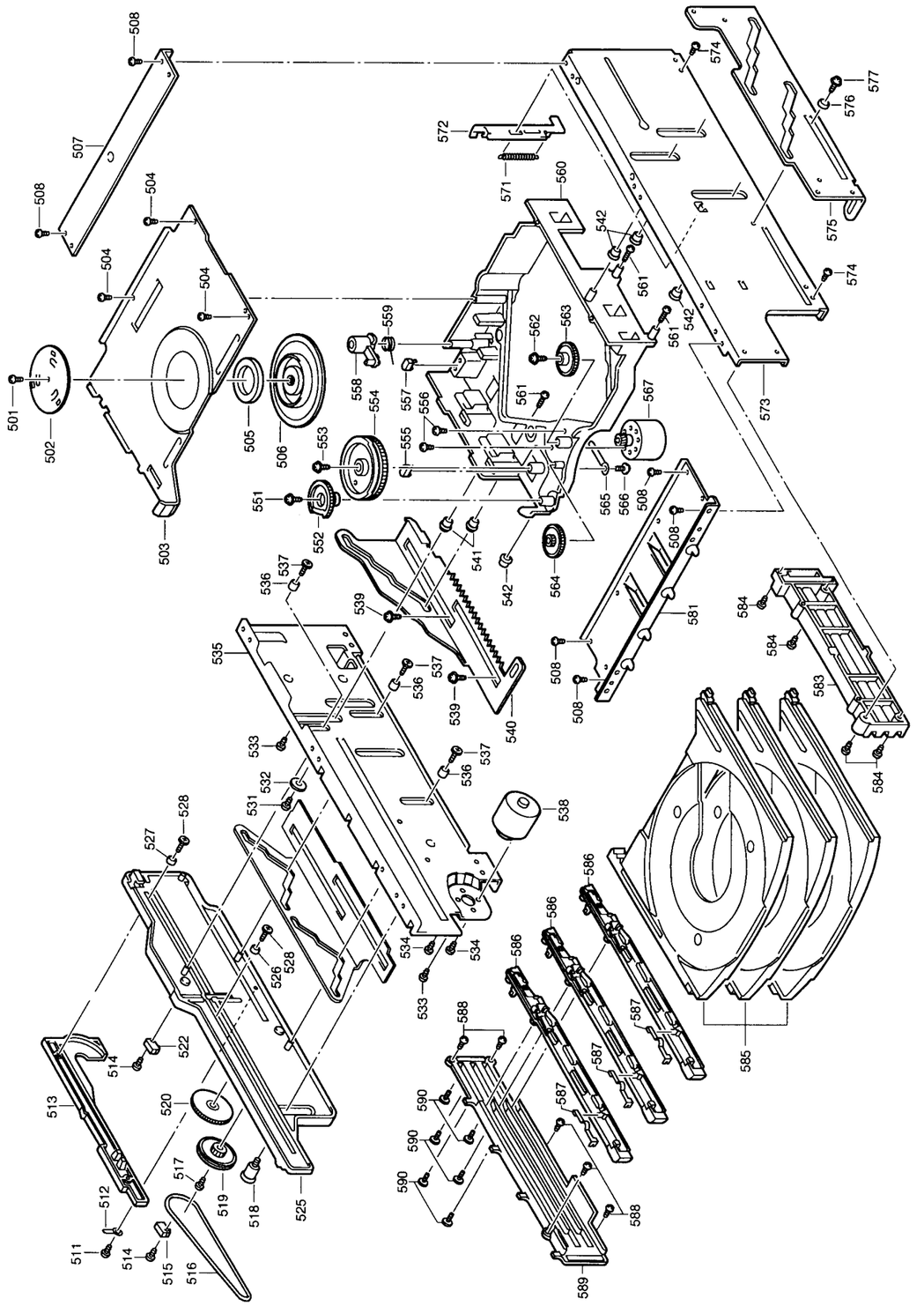
PARTS LIST

REF.NO.	PART NO.	DESCRIPTION
275	645 024 3103	SCREW
276	645 024 3257	SCREW
277	645 024 2144	SEND-GEAR (A)
278	645 024 3103	SCREW
279	645 024 3097	P-WASHER,2X3.5X0.25MM
280	645 024 2281	ASSY,FW-GEAR
281	645 024 2274	ASSY,FW
282	645 024 3073	MAIN-BELT
291	645 024 3165	MOTOR-SCREW
292	645 024 3172	RUBBER-CUSHION
293	645 024 2434	MOTOR-BKT
294	645 024 3134	BIND-SCREW,2X5MM
295	614 293 5705	ASSY,MOTOR
301	645 024 2779	CONNECTOR,8P
302	645 024 2762	CONNECTOR,7P
303	645 024 2342	LEAF-SW
304	645 024 2335	PUSH-SW
305	645 024 2328	PHOTO-SENSOR,GP2S24C

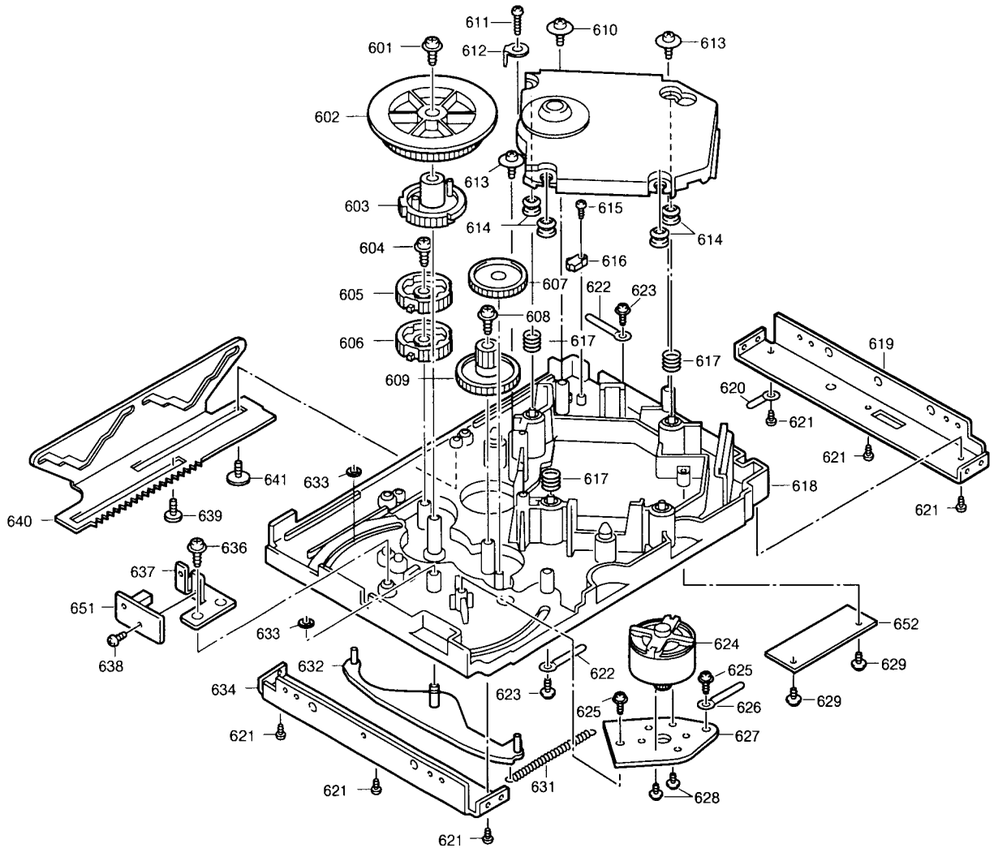
CD CHANGER MECHANISM (PM-CD96CHN1/SP)

REF.NO.	PART NO.	DESCRIPTION
501	411 022 7500	SCR S-TPG PAN 2X4, CHUCK PULLEY FIX
502	614 266 8061	HOLDER,CHUCK PLATE PULLEY
503	614 286 3329	HOLDER,CHUCK BRACKET
504	411 022 7807	SCR S-TPG PAN 2X6, CHUCK BRACKET FIX
505	645 009 9809	MAGNET, CHUCKING
506	614 272 1674	ASSY,PULLEY,CHUCK
507	614 266 1918	JOINT,B-TOP ENCOURAGE
508	411 028 2905	SCR S-TPG PAN 2X4,JOINT FIX
511	411 021 0809	SCR S-TPG BIN 2X6,LUG FIX
512	614 129 9341	LUG,O/C SW LEAD DRESS
513	614 266 1833	GEAR,OPEN/CLOSE RACK
514	411 021 1202	SCR S-TPG BIN 2X8, OPEN/CLOSE SW FIX
515	645 010 6491	SWITCH,LEVER,OPEN END
516	614 277 6896	BELT,SQUARE,OPEN/CLOSE
517	411 021 2704	SCR S-TPG BIN 2.6X6,PULLEY FIX
518	412 004 5705	SCREW, SPECIAL ,GEAR BLOCK FIX
519	614 277 7312	PULLEY,O/C IDLER
520	614 266 1826	GEAR,OPEN/CLODE IDLER
522	645 010 6491	SWITCH,LEVER,CLOSE END
525	614 266 1970	MOUNTING,GEAR BLOCK BRACKET
526	614 273 5992	PIPE,GEAR RACK GUIDE(F)
527	614 270 2222	PIPE,GEAR RACK GUIDE(R)
528	412 054 6202	SCREW SPECIAL ,GEAR RACK FIX
531	411 022 7807	SCR S-TPG PAN 2X6,TRAY HOLDER
532	411 091 9702	WASHER Z 2X8X0.5
533	411 028 2905	SCR S-TPG PAN 2X4,MOUNTING FIX
534	411 044 7007	SCR PAN+SW 2X3, OPEN/CLOSE MOTOR FIX
535	614 266 1949	MOUNTING,LEFT SIDE BRACKET
536	614 268 0476	PIPE,O/C BKT GUIDE
537	412 054 6202	SCREW, SPECIAL , MOUNTING 0047 FIX
538	645 009 1186	ASSY,MOTOR,OPEN/CLOSE
539	411 098 8807	SCR S-TPG BRZ+FLG 3X6, SLIDE FIX
540	614 266 1994	SLIDE,TRAY HOLDER
541	614 277 9460	PIPE,TRAY HOLDER GUIDE (L)
542	614 268 0469	PIPE,TRAY HOLDER GUIDE (R)
551	411 098 8807	SCR S-TPG BRZ+FLG 3X6,GEAR FIX
552	614 266 1819	GEAR,LOAD/UNLOAD DRIVE
553	411 098 8807	SCR S-TPG BRZ+FLG 3X6,GEAR FIX
554	614 266 1802	GEAR,LOAD/UNLOAD CAM
555	645 214 9379	SWITCH,1AV4S10B2040N, UNLOAD END
556	411 044 7205	SCR PAN+SW 2X4, LOAD/UNLOAD MOTOR FIX
557	645 214 9379	SWITCH,1AV4S10B2040N,LOAD END
558	614 266 1932	LEVER,LOCK LEVER (HOLDER)
559	614 268 0186	SPRING,WIRE,L/U LOCK LEVER
560	614 266 1963	MOUNTING,TRAY HOLDER
561	411 022 8408	SCR S-TPG PAN 2X8,TRAY HOLDER
562	411 098 8807	SCR S-TPG BRZ+FLG 3X6,GEAR FIX
563	614 266 8030	GEAR,LOAD/UNLOAD IDLER1
564	614 266 1796	GEAR,LOAD/UNLOAD IDLER2
565	614 129 9136	LUG,L/U & O/C MOTOR LEAD
566	411 098 8807	SCR S-TPG BRZ+FLG 3X6,LUG FIX
567	645 009 1193	ASSY,MOTOR,LOAD/UNLOAD
571	614 268 0162	SPRING,TENS,STOPPER PULL
572	614 279 0595	STOPPER,TRAY
573	614 266 1956	MOUNTING,RIGHT SIDE BRAKET
574	411 028 2905	SCR S-TPG PAN 2X4,MOUNTING FIX
575	614 268 2906	ASSY,SLIDE,RIGHT
576	614 270 2239	PIPE,RIGHT SLIDE GUIDE
577	411 098 8807	SCR S-TPG BRZ+FLG 3X6, RIGHT SLIDE FIX
581	614 279 5309	JOINT,F-TOP ENCOURAGE
583	614 286 3343	HOLDER,RIGHT TRAY GUIDE
584	411 028 3100	SCR S-TPG PAN 2X6,HOLDER FIX
585	614 286 3312	ASSY,TRAY
586	614 286 3541	ASSY,HOLDER,TRAY GUIDE
587	614 266 8924	SPRING,PLATE,TRAY HOLD
588	411 028 2905	SCR S-TPG PAN 2X4,HOLDER FIX
589	614 286 3336	HOLDER,LEFT TRAY GUIDE
590	412 055 5303	SCREW, SPECIAL -2X5,HOLDER FIX
591	614 268 0179	SPRING, TENS, LEVER PULL
592	614 266 2878	LEVER, O/L LOCK

EXPLODED VIEW (CD CHANGER MECHANISM)



EXPLODED VIEW & PARTS LIST (CD CHANGER MECHANISM)



REF.NO.	PART NO.	DESCRIPTION
601	411 098 8807	SCR S-TPG BRZ+FLG 3X6,GEAR FIX
602	614 266 1758	GEAR,UP/DOWN CAM 1
603	614 266 1765	GEAR,UP/DOWN CAM 2
604	411 098 8807	SCR S-TPG BRZ+FLG 3X6,GEAR FIX
605	614 266 1772	GEAR,UP/DOWN DRIVE 1
606	614 266 1789	GEAR,UP/DOWN DRIVE 2
607	614 266 1734	GEAR,UP/DOWN IDLER 1
608	411 098 8807	SCR S-TPG BRZ+FLG 3X6,GEAR FIX
609	614 266 1741	GEAR,UP/DOWN IDLER 2
610	614 279 1202	SCREW, SPECIAL, PLAY SW SUPPORT
611	411 020 9902	SCR S-TPG BRZ+FLG 3X8,HOLDE FIX
612	614 267 6998	HOLDER,BASE MECHA FIX
613	614 279 1202	SCREW, SPECIAL ,BASE MECHA FIX
614	614 237 7031	CUSHION,RUBBER,BASE MECHA FL
or	614 277 1952	CUSHION,BASE MECHA FL
615	411 021 1202	SCR S-TPG BIN 2X8,PLAY SW FIX
616	645 010 6491	SWITCH,LEVER,PLAY
617	614 247 4907	SPRING,COMP,FLOATING
618	614 291 9835	CHASSIS,BOTTOM
619	614 266 1888	JOINT,BOTTOM BACK
620	614 129 9341	LUG,O/C SW LEAD DRESS
621	411 022 7807	SCR S-TPG PAN 2X6,JOINT FIX
622	614 129 9136	LUG,L/U SW LEAD DRESS
623	411 098 8807	SCR S-TPG BRZ+FLG 3X6,LUG FIX
624	614 287 0440	ASSY,MOTOR,UP/DOWN

REF.NO.	PART NO.	DESCRIPTION
625	411 098 8807	SCR S-TPG BRZ+FLG 3X6, BRACKET MOTOR FIX
626	614 129 9136	LUG,U/D MOTOR LEAD DRESS
627	614 266 8054	HOLDER,BRACKET MOTOR
628	411 102 6300	SCR PAN-FLG 2.6X2.8, UP/DOUN MOTOR FIX
629	411 098 8807	SCR S-TPG BRZ+FLG 3X6,CHUKEI PCB FIX
631	614 268 0155	SPRING,TENS,SINCRO LEVER PULL
632	614 268 2883	ASSY,LEVER,SINCRO
633	412 014 6402	WASHER, SPECIAL, LEVER ASSY FIX
634	614 272 6600	JOINT,BOTTOM FRONT
636	411 098 8807	SCR S-TPG BRZ+FLG 3X6, SENSOR BK FIX
637	614 266 9907	HOLDER,SENSOR
638	411 028 2905	SCR S-TPG PAN 2X4, SENSOR PWB FIX
639	411 020 9902	SCR S-TPG BRZ+FLG 3X8,SLIDE FIX
640	614 266 2007	SLIDE,GEAR BLOCK DRIVE
641	412 005 2307	SCREW, SPECIAL, SLIDE FIX

CD SENSOR P.W.BOARD ASSY.

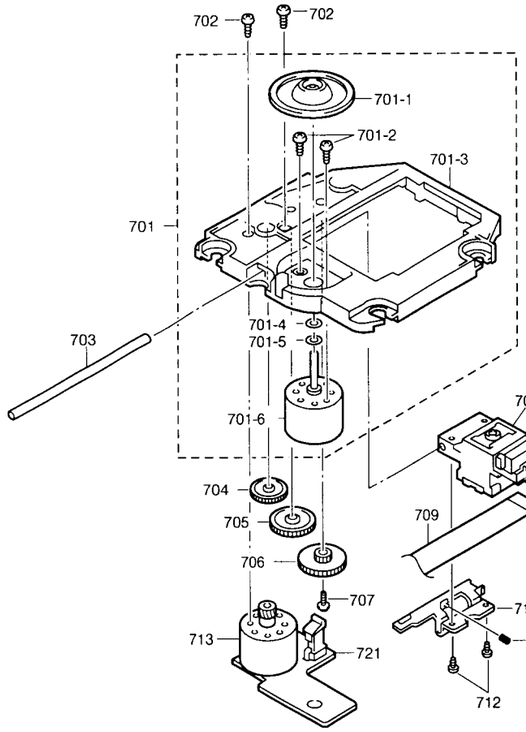
REF.NO.	PART NO.	DESCRIPTION
651	614 270 1928	ASSY,PWB,B,SENSOR PCB
D191	407 177 6109	PHOTO COUPLE GP1A53E, PHOTO SENSOR

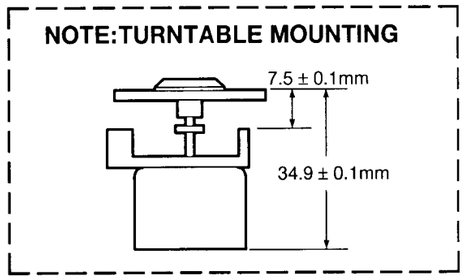
PARTS LIST (CD CHANGER MECHANISM)

CD CONNECTOR P.W.BOARD ASSY.

REF.NO.	PART NO.	DESCRIPTION
652	614 267 6646	ASSY,PWB A,CHUKEI PWB
CN191	645 009 6440	PLUG,4P,TO LOAD/UNLOAD SW
or	645 006 0915	PLUG,4P,TO LOAD/UNLOAD SW
CN192	645 014 9825	PLUG,4P,TO L/U & U/D MOTOR
or	645 004 2706	PLUG,4P,TO L/U & U/D MOTOR
CN193	645 009 6464	PLUG,6P,TO OPEN/CLOSE/PLAYSW
or	645 006 0939	PLUG,6P,TO OPEN/CLOSEPLAYSW
CN194	645 009 6457	PLUG,5P,TO SENSOR & U/D MOTOR
or	645 006 0922	PLUG,5P,TO SENSOR & U/D MOTOR
CN195	645 009 6440	PLUG,4P,TO CD PWB
or	645 006 0915	PLUG,4P,TO CD PWB
CN196	645 009 6488	PLUG,8P,TO CD PWB
or	645 006 0953	PLUG,8P,TO CD PWB

EXPLODED VIEW & PARTS LIST (CD BASE MECHANISM)





REF.NO.	PART NO.	DESCRIPTION
702	411 044 8004	SCR PAN+SW 2X8,SLED MOTOR FIX
703	614 277 8029	SHAFT,PICK UP RAIL
or	614 237 7024	SHAFT,PICK UP RAIL
704	614 237 7093	GEAR,SLED RETARD 1
705	614 237 7109	GEAR,SLED RETARD 2
706	614 237 7116	GEAR,SLED
707	412 054 6202	SCREW, SPECIAL ,SLED GEAR FIX
708	645 018 8879	PICKUP,LASER, SF-P100B
or	645 006 7983	PICKUP,LASER, SF-P100
709	645 009 9960	FLEXIBLE FLAT CABLE,TO PICKUP
710	614 262 2599	GEAR,RACK,PICKUP
711	614 238 6934	SPRING,COMP,PICKUP RACK GEAR
712	411 152 4301	SCR S-TPG PAN PCS 1.7X6, PICKUP RACK GEAR FIX
713	645 007 7814	ASSY,MOTOR,SLED

CD BASE MECHANISM (PM-CDBM94D3/SP)

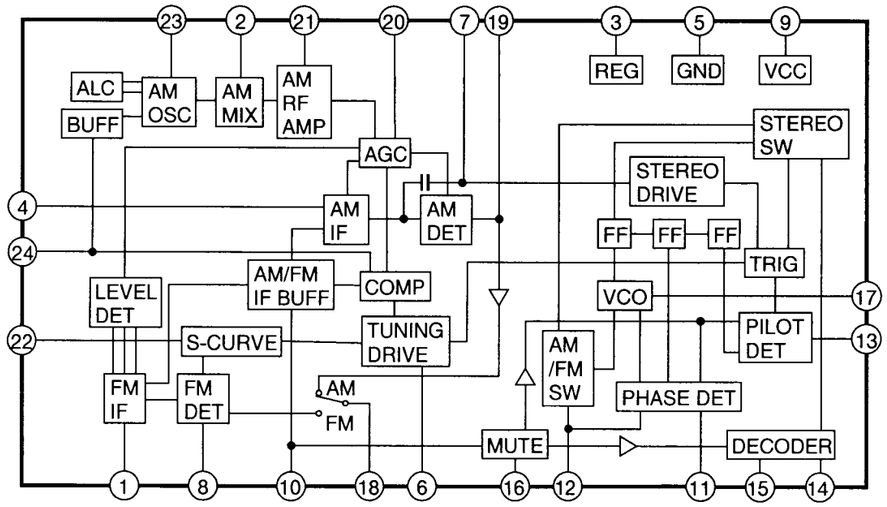
REF.NO.	PART NO.	DESCRIPTION
701	614 270 2031	ASSY,CHASSIS,BASE MECHA
701-1	614 268 3354	ASSY,TURNTABLE,SPINDLE
701-2	411 044 7502	SCR PAN+SW 2X5, SPINDLE MOTOR FIX
701-3	614 262 2582	CHASSIS,BASE MECHA
701-4	412 032 0208	WASHER, SPECIAL , ADHESIVE ESCAPE STOP
701-5	412 014 5603	SPECIAL, WASHER, TURN TABLE STOPPER
701-6	645 007 7821	MOTOR, DC 0.2W,SPINDLE

CD MOTOR & LIMIT SW P.W.BOARD ASSY.

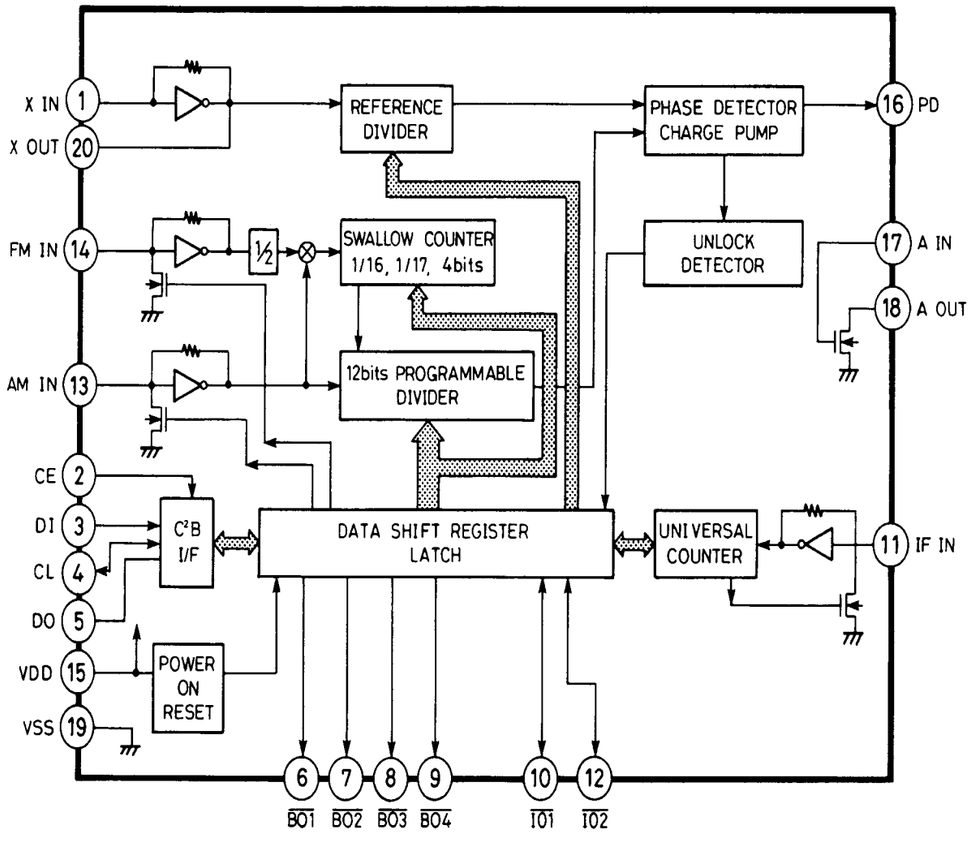
REF.NO.	PART NO.	DESCRIPTION
721	614 251 6485	ASSY,PCB,MOTOR & LIMIT SW
CN001	645 009 6464	PLUG,6P,TO MOTOR PCB CONNECTOR
or	645 006 0939	PLUG,6P,TO MOTOR PCB CONNECTOR
S001	645 019 2661	SWITCH,LEAF,LIMIT SW
or	645 012 5836	SWITCH,LEAF,LIMIT SW

TUNER SECTION

IC231 LA1832(AM/FM IF & FM MPX.)

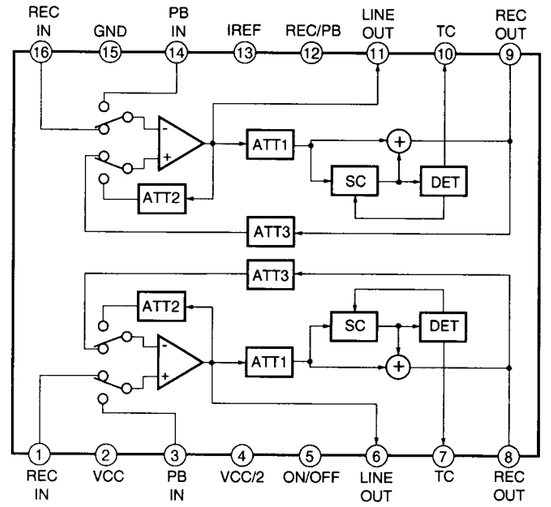


IC102 LC72131M (PLL SYNTHESIZER)



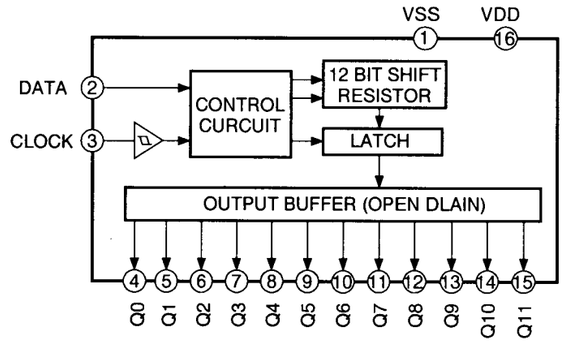
DECK SECTION

IC351 CXA1100 (DOLBY-B NR)

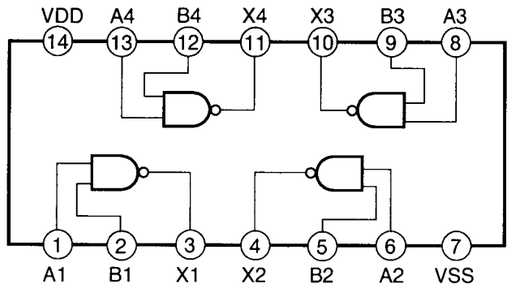


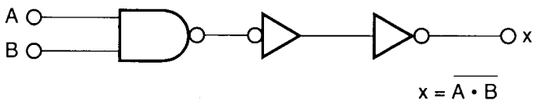
No.	Pin Name	I/O	Function
1	REC IN	I	Recording (Encode) input.
2	VCC	-	Power supply.
3	PB IN	I	Playback (Decode) input.
4	Vcc/2	-	Single supply.
5	ON/OFF	-	Mode control for NR ON/OFF. "H"=NR OFF
6	LINE OUT	O	Line (Decode) output.
7	TC	O	Time constant pin for the level detector.
8	REC OUT	O	Recording (Decode) output.
9	REC OUT	O	Recording (Decode) output.
10	TC	O	Time constant pin for the level detector.
11	LINE OUT	O	Line (Decode) output.
12	REC/PB	-	Mode control pin REC/PB. "H"=PB
13	IREF	-	Reference current input for the active filters.
14	PB IN	I	Playback (Decode) input.
15	GND	-	Ground.
16	REC IN	I	Recording (Encode) input.

IC361 BU2090F (SERIAL IN / PARALLEL DRIVER)

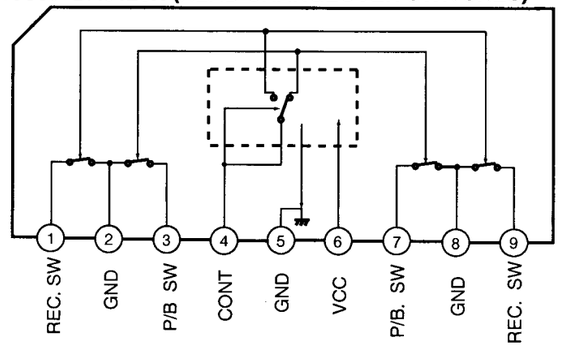


IC362 TC4011BF





IC369 BA3126N (HEAD CHANGEOVER SWITCHES)

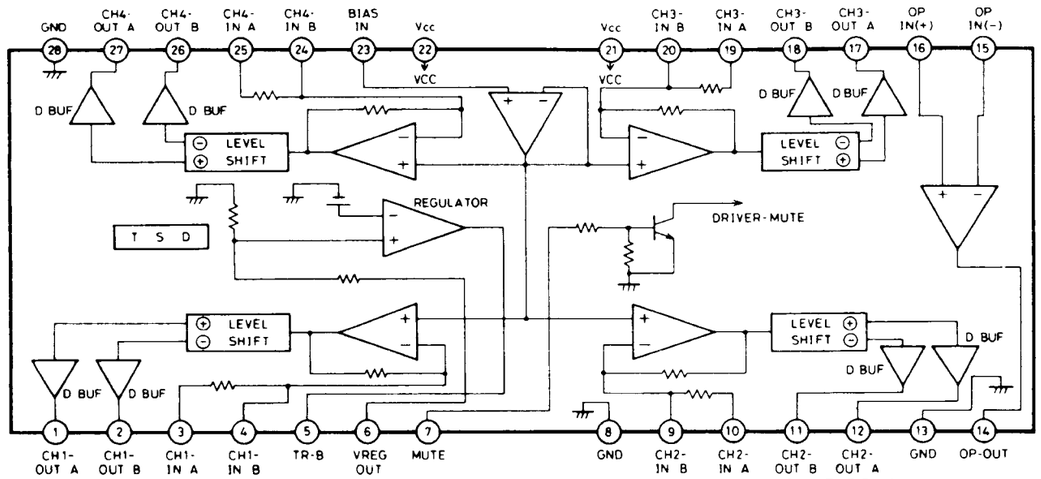


IC101 CXA1782BQ (SERVO SIGNAL PROCESSOR)

No.	Pin Name	I/O	Function
1	FEO	O	Focus error amplifier output. Connection internally to the comparator input.
2	FEI	I	Focus error input.
3	FDFCT	I	Capacitor connection pin for detect time constant.
4	FGD	I	Ground this pin through a capacitor when decreas-ing the focus servo high-frequency gain.
5	FLB	I	External time constant setting pin for increasing the focus servo low frequency.
6	FE_O	O	Focus drive output.
7	FE_M	I	Focus amplifier negative input.
8	SRCH	I	External time constant setting pin for generating focus servo waveform.
9	TGU	I	External time constant setting pin for switching track-ing high frequency gain.
10	TG2	I	External time constant setting pin for switching track-ing high frequency gain.
11	FSET	I	High cut off frequency setting pin for focus and tracking phase compensation amplifier.
12	TA_M	I	Tracking amplifier negative input.
13	TA_O	O	Tracking drive output.
14	SP_P	I	Sled amplifier non-inverted input.
15	SL_M	I	Sled amplifier negative input.
16	SL_O	O	Sled drive output.
17	ISET	I	Setting pin for Focus search, Tracking jump and Sled kick current.
18	VCC	-	+5.0V
19	CLK	I	Serial data transfer clock input from CPU.
20	XLT	I	Latch input from CPU.
21	DATA	I	Serial data input from CPU.
22	XRST	I	Reset input; resets at Low.
23	C.OUT	O	Track number count signal output.
24	SENS	O	Outputs FZC, DFCT, TZC, Gain, BAL, and others according to the command from CPU.
25	FOK	O	Focus OK comparator output.

No.	PIN NAME	I/O	Function
26	CC2	O	Input pin for the DEFECT bottom hold output capacitance-coupled.
27	CC1	I	DEFECT bottom hold output.
28	CB	I	Connection pin for DEFECT bottom hold capacitor.
29	CP	I	Connection pin for MIRR hold capacitor. MIRR comparator non-inverted input.
30	RF_I	I	Input pin for the RF summing amplifier output capacitance-coupled.
31	RF_O	O	RF summing amplifier output. Eye pattern check point.
32	RF_M	I	RF summing amplifier inverted input. The RF amplifier gain is determined by the resistance connected between this pin and RFO pin.
33	LD	O	APC(Auto Power Controller) amplifier output.
34	PHD	I	APC(Auto Power Controller) amplifier input.
35	PHD1	I	RF I-V amplifier inverted input. Connect these pins to the photo diodes A + C and B + D pins.
36	PHD2	I	RF I-V amplifier inverted input. Connect these pins to the photo diodes A + C and B + D pins.
37	FE_BIAS	I	Bias adjustment of focus error amplifier.
38	F	I	F I-V and E I-V amplifier inverted input. Connect these pins to the photo diodes F and E.
39	E	I	F I-V and E I-V amplifier inverted input. Connect these pins to the photo diodes F and E.
40	EI	-	I-V amplifier E gain adjustment. (When not using automatic balance adjustment.)
41	VEE	-	Ground
42	TEO	O	Tracking error amplifier output. E-F signal output.
43	LPFI	I	Comparator input for balance adjustment. (Input from TEO through LPF.)
44	TEI	I	Tracking error input.
45	ATSC	I	Window comparator input for ATSC detection.
46	TZC	I	Tracking zero-cross comparator input.
47	TDFCT	I	Capacitor connection pin for defect time constant.
48	VC	O	(VCC + VEE) / 2 DC voltage output.

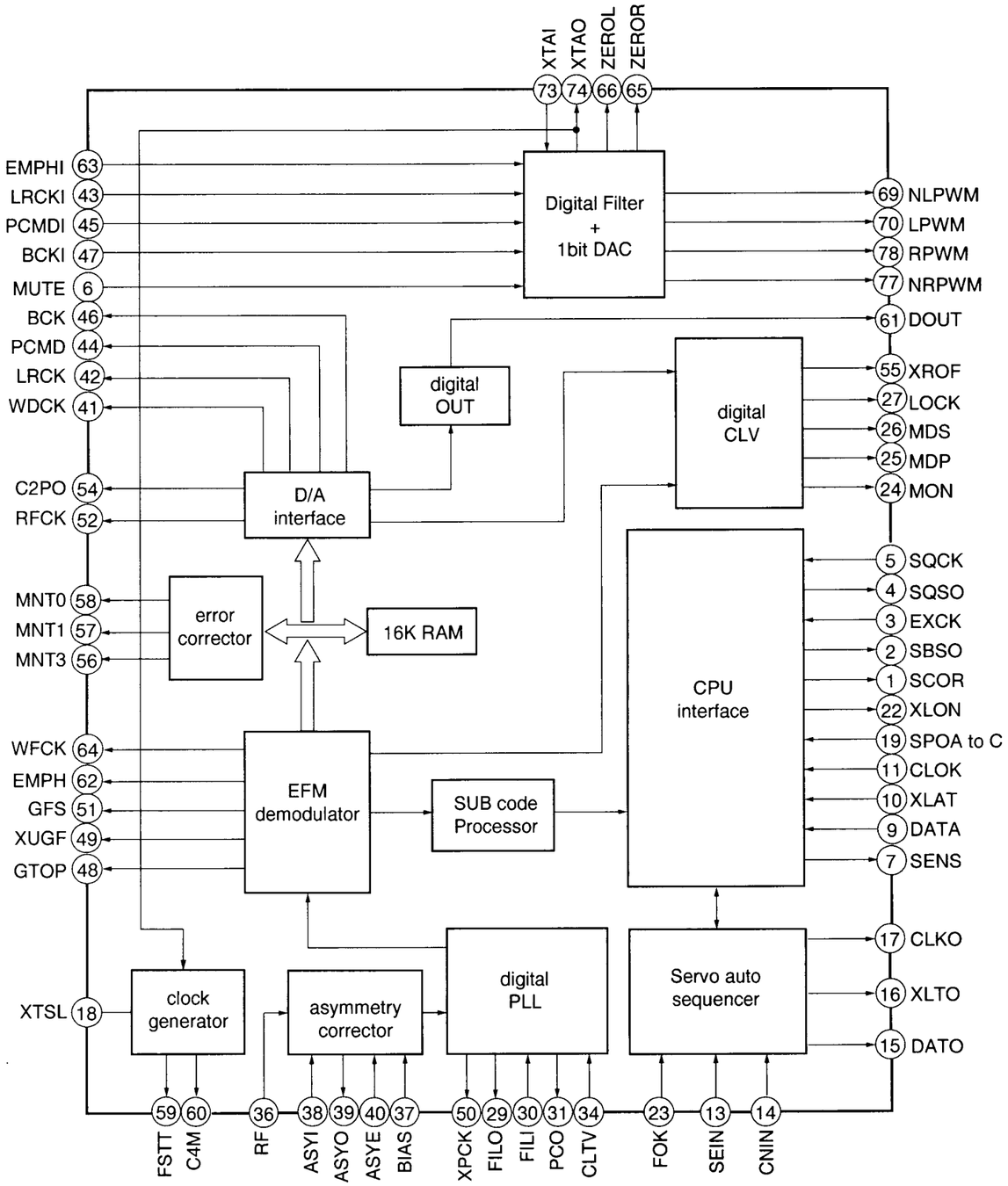
IC102 BA6398FP (POWER DRIVER)



T.S.D ; THERMAL SHUT DOWN
D.BUF ; DRIVE BUFFER

No.	Pin Name	I/O	Function
1	CH1-OUT A	O	Driver CH1 negative output.
2	CH1-OUT B	O	Driver CH1 positive output.
3	CH1-IN A	I	Driver CH1 input.
4	CH1-IN B	I	Driver CH1 input for gain adjust.
5	Tr-B	I	Connect for base of external transistor.
6	Vref OUT	O	Output for constant voltage (Connect for collector of external transistor).
7	MUTE	I	Muting control.
8	GND	-	Ground
9	CH2-IN B	I	Driver CH2 input for gain adjust.
10	CH2-IN A	I	Driver CH2 input.
11	CH2-OUT B	O	Driver CH2 positive output.
12	CH2-OUT A	O	Driver CH2 negative output.
13	GND	-	Sub straigth ground.
14	OP OUT	O	Output of operational amplifier.
15	OP IN (-)	I	Negative input of operational amplifier.
16	OP IN (+)	I	Positive input of operational amplifier.
17	CH3-OUT A	O	Driver CH3 negative output.
18	CH3-OUT B	O	Driver CH3 positive output.
19	CH3-IN A	I	Driver CH3 input.
20	CH3-IN B	I	Driver CH3 input for gain adjust.
21	VCC	-	Power source.
22	VCC	-	Power source.
23	BIAS IN	I	Input for BIAS amplifier.
24	CH4-IN B	I	Driver CH4 input for gain adjust.
25	CH4-IN A	I	Driver CH4 input.
26	CH4-OUT B	O	Driver CH4 positive output.
27	CH4-OUT A	O	Driver CH4 negative output.
28	GND	-	Sub straigth ground.

IC104 CXD2508Q (DIGITAL SIGNAL PROCESSOR)



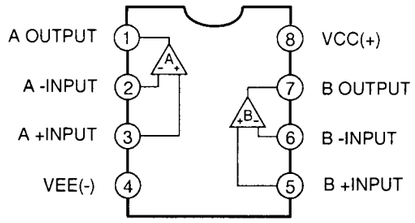
IC104 CXD2508Q (DIGITAL SIGNAL PROCESSOR)

No.	Pin Name	I/O	Function
1	SCOR	O	Turns [H] when sync SO or SI is detected.
2	SBSO	O	Serial output of sub-code P - W.
3	EXCK	I	Clock input for reading SBSO.
4	SQSO	O	Serial output of SUBQ (80-bit).
5	SQCK	I	Clock input for reading SQSO.
6	MUTE	I	[H] at muting, [L] at muting cancel.
7	SENS	O	SENS signal output to CPU.
8	XRST	I	System reset, [L] at resetting.
9	DATA	I	Inputs serial data from CPU.
10	XLAT	I	Latches input from CPU. Serial data latches at falling edge.
11	CLOK	I	Inputs serial data transfer clock from CPU.
12	VSS	-	CND. (0V)
13	SEIN	I	Inputs SENS signal from SSP.
14	CNIN	O	Inputs track jump count signal.
15	DATO	O	Outputs serial data to SSP.
16	XLTO	O	Outputs latches to SSP. Serial data latches at falling edge.
17	CLKO	I	Outputs serial data transfer clock to SSP.
18	SPOA	I	Interface for extension of M. processor (input A).
19	SPOB	I	Interface for extension of M. processor (input B).
20	SPOC	I	Interface for extension of M. processor (input C).
21	XTSL	I	Crystal seiection L : 16.9344MHz, H : 33.8688MHz.
22	XLON	O	Interface for extension of M. processor (output).
23	FOK	I	Focus OK signal input pin. Used servo auto sequencer with SENS output.
24	MON	O	ON/OFF control signal for spindle motor.
25	MDP	O	Servo control signal for spindle motor.
26	MDS	O	Servo control signal for spindle motor.
27	LOCK	O	The output of this pin is [H] when the GFS signal sampled at 460 Hz is [H]. It turns [L] when the GFS signal turns out [L] 8 or more times in succession.
28	TEST	I	Pin for TEST. Normal used stage : GND.
29	FILO	O	Output of filter for master PLL. (Slave = Digital PLL)
30	FILI	I	Inputs to filter for master PLL.
31	PCO	O	Outputs of charge pump for master PLL.
32	VDD	-	Power supply for digital. (+5V)
33	AVSS1	-	Power supply for analog. (0V)
34	CLTV	I	VCO control voltage input for master PLL.
35	AVDD1	-	Power supply for analog. (+5V)
36	RF	I	EFM signal input.
37	BIAS	I	Inputs constant current for asymmetry correction circuit.
38	ASYI	I	Inputs comparator voltage for asymmetry correction circuit.
39	ASYO	O	EFM fill swing output. ([L] = VSS, [H] = VDD)
40	ASYE	I	[L] : OFF of asymmetly correction. [H] : ON of asymmetly correction.

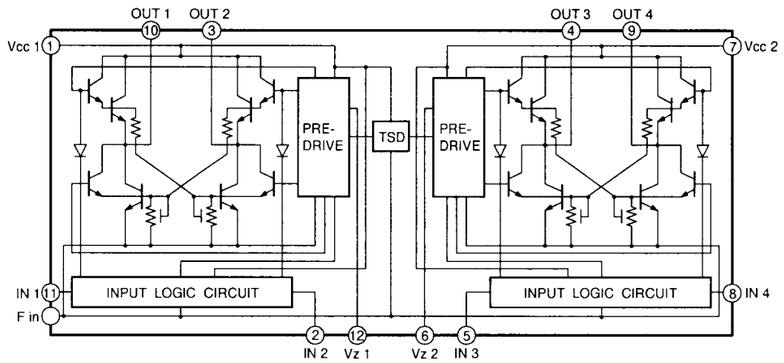
No.	Pin Name	I/O	Function
41	WDCK	O	D/A interface for 48-bit slot. Ward clock (f = 2FS
42	LRCK	O	D/A interface for 48-bit slot. LR clock (f = FS).
43	LRCKI	I	Inputs LR clock to DAC. (48-bit slot)
44	PCMD	O	D/A interface. Serial data (2'SCOMP, MBS first)
45	PCMDI	I	Inputs audio data to DAC. (48-bit slot)
46	BCK	O	D/A interface. Bit clock.
47	BCKI	I	Inputs bit clock to DAC. (48-bit slot)
48	GTOP	I	GTOP signal output.
49	XUGF	O	XUGF signal output.
50	XPCK	O	XPCK signal output.
51	GFS	O	GFS signal output.
52	RFCK	O	RFCK signal output.
53	VSS	-	GND. (0V)
54	C2PO	O	C2PO signal output.
55	XROF	O	XROF signal output.
56	MNT3	O	MNT3 signal output.
57	MNT1	O	MNT1 signal output.
58	MNT0	O	MNT0 signal output.
59	FSTT	O	2/3 divided output of pins 73 or 74.
60	C4M	O	4.2336 MHz output.
61	DOUT	O	Digital out OUTPUT pin.
62	EMPH	O	Stays [H] for playback disc provided with emphasis or [L] for that without emphasis.
63	EMPHI	I	De-emphasis ON/OFF of DAC. [H] at ON, [L] at OFF.
64	WFCK	O	WFCK(Write Frame Clock) signal output.
65	ZEROL	O	Outputs detection for non-sound data. [H] at detection for non-sound data (L-ch).
66	ZEROR	O	Outputs detection for non-sound data. [H] at detection for non-sound data (R-ch).
67	DTS1	I	Test pin for DAC. Normal used state : [L]
68	VDD	-	Power supply for DAC.
69	NLPWM	O	Outputs PWM for L-ch. (Negative Phase)
70	LPWN	O	Outputs PWM for L-ch. (Positive Phase)
71	AVDD2	-	Power supply for PWM driver.
72	AVDD3	-	Power supply for X'tal.
73	XTAI	I	Inputs X'tal oscillation circuit (33.8688 MHz).
74	XTAO	O	Outputs X'tal oscillation circuit (33.8688 MHz).
75	AVSS3	-	Power supply for X'tal. (GND)
76	AVSS2	-	Power supply for PWM driver.(GND)
77	NRPWM	O	Outputs PWM for R-ch. (Negative Phase)
78	RPWM	O	Outputs PWM for R-ch. (Positive Phase)
79	DST2	I	Test pin for DAC. Normal used state : [L]
80	DST3	I	Test pin for DAC. Normal used state : [L]

CD SECTION

IC106 NJM4558D (OP. AMP.)

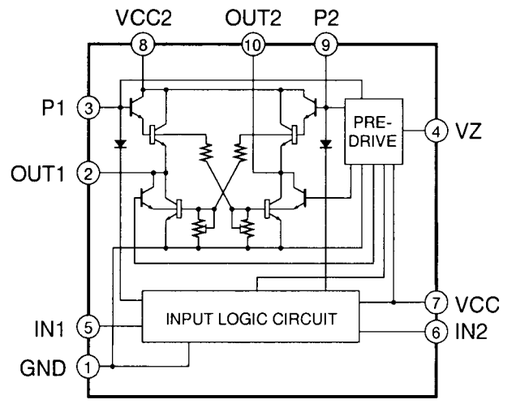


IC131 LB1648(REEL MOTOR DRIVER)



IN 1	IN 2	OUT 1	OUT 2	IN 3	IN 4	OUT 3	OUT 4
0	0	OPEN	OPEN	0	0	OPEN	OPEN
1	0	H	L	1	0	H	L
0	1	L	H	0	1	L	H
1	1	L	L	1	1	L	L

IC132 LB1641



Input		Output		Action
IN1	IN2	OUT1	OUT2	
0	0	0	0	Brake
1	0	1	0	Normal(Reverse)Rotary
0	1	0	1	Reverse(Normal)Rotary
1	1	0	0	Brake

FRONT SECTION

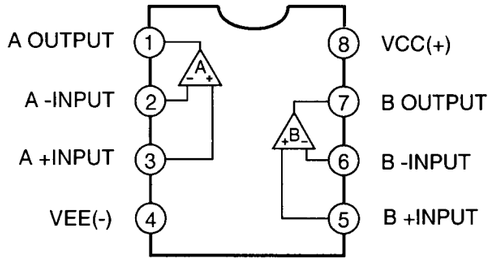
IC601 M38184MA-284FP (MICROPROCESSOR)

No.	PIN NAME	I/O	DESCRIPTION	P=OFF
1	LEVEL	I	LEVEL	
2	SEL IN	I	SELECT INPUT	
3	SELOUT2	O	SELECT OUT2	
4	SELOUT1	O	SELECT OUT1	
5	SELOUT0	O	SELECT OUT0	
6	MAIN MUT	O	MAIN MUTE CONTROL (ON=H)	H
7	PRE-MUT	O	PRE MUTE (MUTE ON=H)	H
8	CD SQCK	O	CD DSP SQCK	L
9	CD SENS	I	CD DSP SENSOR	
10	CD SUBQ	I	CD-DSP SUBQ (SQS0)	
11	PULL UP		PULL UP POWER	L
12	P CON		POWER CONTROL (ON=H)	L
13	O/C MTR	O	TRAY OPEN/CLOSE MOTOR (LOAD=H, UNLOAD=L)	M
14	LOAD MTR	O	TRAY LOADING MOTOR CONTROL(LOAD=H, UNLOAD=L)	M
15	U/D MTR	O	UP/DOWN MOTOR (UP=H,DOWN=L)	M
16	CD XRES	O	CD POWER OUT	L
17	CD XLAT	O	CD DSP XLAT	L
18	CD-HIEQ	O	CD-EQULIZER (CD=POWER OFF)	L
19	PLY SW	I	TAPE PLAY SWITCH (ON=L)	
20	PHS	I	PHOTO SENSOR INPUT(SLIT=H)	
21	CD-CLOCK	I	CD DSP CLOCK OUTPUT	L
22	CD DATA	I	CD DSP DATA OUTPUT	L
23	V CHK	I	VOLTAGE CHECK,FAILURE	
24	VD GND	O	GROUND	
25	VOL DW	I	VOLUME DOWN	
26	VOL UP	I	VOLUME UP	
27	VF-KC	O	VOCAL/FADER CONTROL	L
28	VF-KB	O	VOCAL/FADER CONTROL	L
29	3D MONO	O	SRS LED OUTPUT	L
30	TU CE	O	TUNER CE OUTPUT	L
31	MIC IN	I	MIC (IN=H)	
32	IR	I	REMOTE CONTROL	
33	CD SCOR	I	CD DSP SCOR	
34	TU DI	I	TUNER DATA	
35	RESET		SYSTEM RESET	
36	XCIN		SUB CLOCK,X'TAL	
37	XCOUT		SUB CLOCK,X'TAL	
38	XIN		MAIN CLOCK,CERAMIC	
39	XOUT		MAIN CLOCK,CERAMIC	
40	VSS	O	GROUND	
41	SHIFT	O	MAIN CLOCK SHIFT CONTROL(L=POS A, H=POS B)	
42	EXCLK	O	AMP IC CLOCK	L
43	AMP CE	O	CE CONTROL	L
44	CLOCK	O	TUNER PLL/VOLUME CLOCK	L
45	DATA	O	TUNER PLL/VOLUME, IC DATA	L
46	BPF C	O	BPF CONTROL	L
47	BPF B	O	BPF CONTROL	L
48	BPF A	O	BPF CONTROL	L
49	FUNC-0	O	FUNCTION "CD" LED CONTROL	H
50	FUNC-1		FUNCTION "TAPE" LED CONTROL	H
51	FUNC 2	O	FUNCTION "TUNER" LED CONTROL	H
52	FUNC 3	O	FUNCTION "LINE" LED CONTROL	H
53	DISC3 G	O	CD DISC 3 LED	H
54	DISC2 G	O	CD DISC 2 LED	H
55	DISC1 G	O	CD DISC 1 LED	H
56	SRS	O	SRS	L
57	G1	O	FL DIGIT	
58	G2	O	FL DIGIT	
59	G3	O	FL DIGIT	
60	G4	O	FL DIGIT	
61	G5	O	FL DIGIT	
62	G6	O	FL DIGIT	
63	G7	O	FL DIGIT	
64	G8	O	FL DIGIT	
65	S18	O	FL SEGMENT	
66	S17	O	FL SEGMENT	
67	S16	O	FL SEGMENT	
68	S15	O	FL SEGMENT	
69	S14	O	FL SEGMENT	
70	S13	O	FL SEGMENT	
71	S12	O	FL SEGMENT	
72	S11	O	FL SEGMENT	
73	S10	O	FL SEGMENT	
74	S9	O	FL SEGMENT	
75	S8	O	FL SEGMENT	
76	S7	O	FL SEGMENT	
77	S6	O	FL SEGMENT	
78	S5	O	FL SEGMENT	
79	S4	O	FL SEGMENT	
80	S3	O	FL SEGMENT	
81	S2	O	FL SEGMENT	
82	S1	O	FL SEGMENT	
83	G REV SW	I	REVERSE SLIDE,UN-REC	
84	G FWD SW	I	FWD SLIDE,UN-REC	
85	B PAK SW	I	DECK B PACK SWITCH	
86	B PLY SW	I	DECK B PLAY SWITCH	
87	A PAK SW	I	DECK-A PACK SWITCH	
88	A PLY SW	I	DECK A PLAY SW	
89	VEE		FL (-) POWER	
90	A REEL	I	DECK A, REEL PULSE	
91	VCC		VCC	
92	B REEL	I	DECK B REEL PULSE	
93	AVSS		A/D GROUND	
94	VREF		A/D REFERENCE VOLTAGE,VREF	
95	KEY2		KEY INPUT	
96	KEY1		KEY INPUT	
97	KEY0		KEY INPUT	
98	CD SW1		CD OPEN/CLOSE SWITCH	
99	CD SW2		CD PLAY/UNLOAD SWITCH	
100	CD SW0		CD LIMIT SW, FOK	

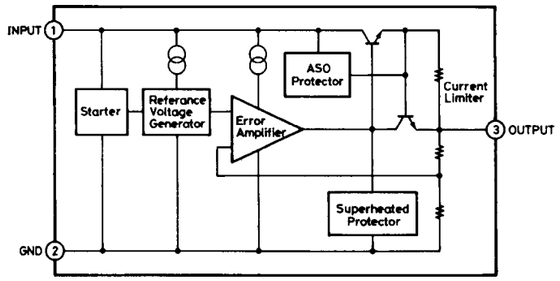
IC BLOCK DIAGRAM & DESCRIPTION

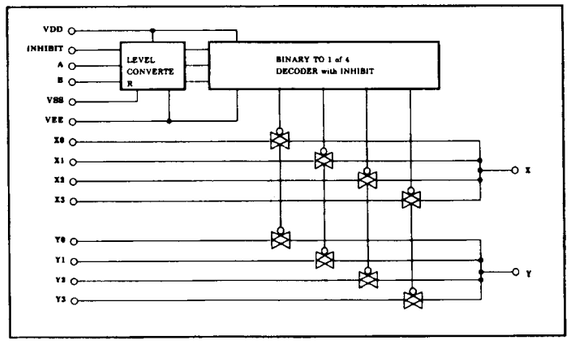
AMP SECTION

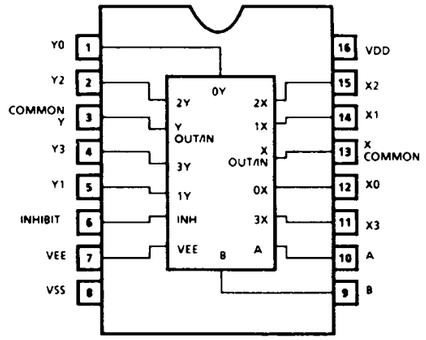
IC416,417,451,452,455 NJM4558M



IC940 NJM7805





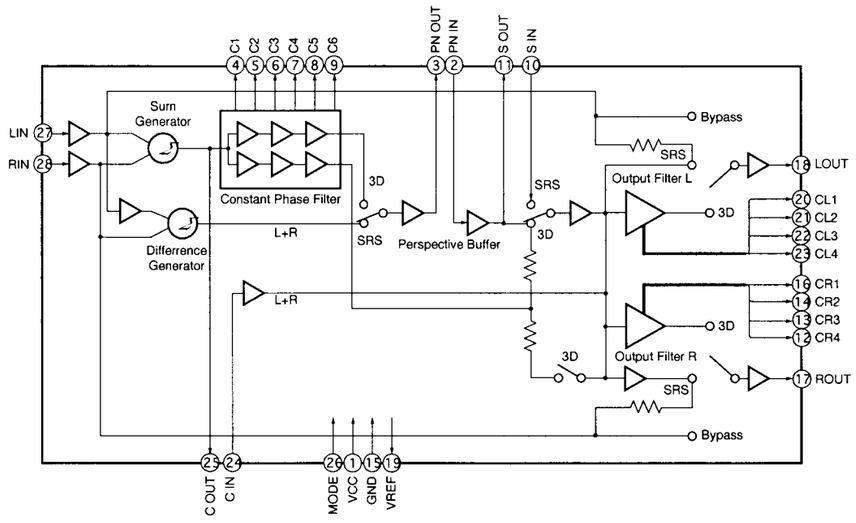


Truth Table

Control Inputs			[ON] Channel
INHIBIT	A	B	
L	L	L	X0 Y0
L	H	L	X1 Y1
L	L	H	X2 Y2
L	H	H	X3 Y3
H	X	X	None

X : Don't care

IC413 SRS5250S (SOUND RETRIEVAL SYSTEM)

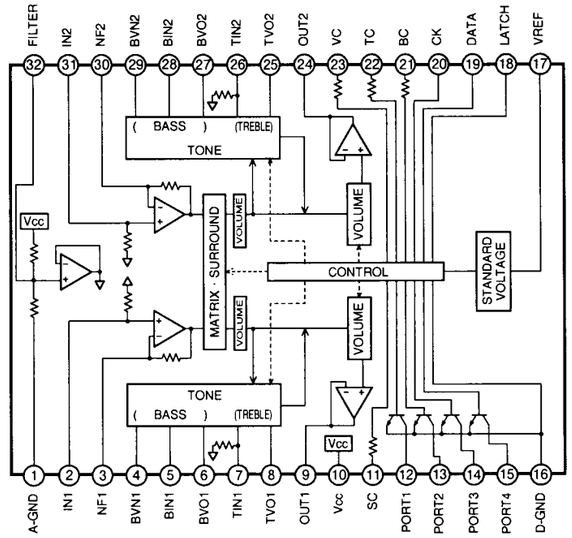


IC BLOCK DIAGRAM & DESCRIPTION

IC413 SRS5250S (SOUND RETRIEVAL SYSTEM)

No.	Pin Name	I/O	Function	No.	Pin Name	I/O	Function
1	VCC	-	8 to 13V supply.	15	GND	-	Ground.
2	PN IN	I	Signal input from perspective network.	16	CR1	O	3D output filter (right) capacitor 1 out.
3	PN OUT	O	Signal output to perspective network.	17	ROUT	O	Right signal output.
4	C1	I	Constant phase filter capacitor 1	18	LOUT	O	Left signal output.
5	C2	I	Constant phase filter capacitor 2	19	VREF	O	Vcc/2
6	C3	I	Constant phase filter capacitor 3	20	CL1	O	3D output filter (left) capacitor 1 out.
7	C4	I	Constant phase filter capacitor 4	21	CL2	I	3D output filter (left) capacitor 1 in.
8	C5	I	Constant phase filter capacitor 5	22	CL3	I	3D output filter (left) capacitor 2 in.
9	C6	I	Constant phase filter capacitor 6	23	CL4	I	3D output filter (left) capacitor 3 in.
10	S IN	I	Signal input from SPACE CONTROL.	24	CIN	I	Signal input from CENTER CONTROL.
11	S OUT	O	Signal ioutput to SPACE CONTROL.	25	COUT	O	Signal output to CENTER CONTROL.
12	CR4	I	3D output filter (right) capacitor 3 in.	26	MODE	I	SRS/3D/PASS mode select.
13	CR3	I	3D output filter (right) capacitor 2 in.	27	LIN	I	Left signal input.
14	CR2	I	3D output filter (right) capacitor 1 in.	28	RIN	I	Right signal input.

IC477 BH3854AFS (AUDIO SOUND CONTROL)

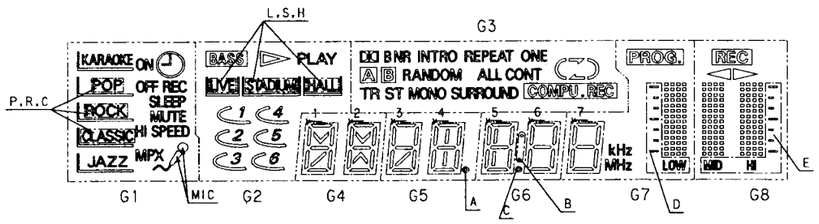


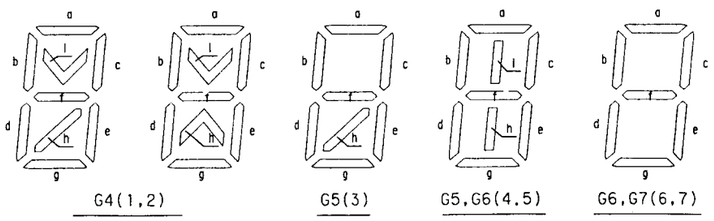
No.	Pin Name	Function	No.	Pin Name	Function
1	A-GND	Analog GND.	17	VREF	3.8V standard voltage output terminal
2	IN1	1ch volume input terminal	18	LATCH	Accept terminal for latch data
3	NF1	Input pin for amp. gain adjust terminal	19	DATA	Data accept terminal
4	BVN1	1ch Low pass filter connect terminal	20	CK	Clock accept terminal
5	BIN1	1ch Low pass filter connect terminal	21	BC	Time constant terminal for protect the change shock
6	BVO1	1ch Low pass filter connect terminal	22	TC	Time constant terminal for protect the change shock
7	TIN1	1ch High pass filter connect terminal	23	VC	Time constant terminal for protect the change shock
8	TVO1	1ch High pass filter connect terminal	24	OUT2	2ch Volume output terminal
9	OUT1	1ch High pass filter connect terminal	25	TVO2	2ch High pass filter connect terminal
10	Vcc	DC voltage	26	TIN2	2ch High pass filter connect terminal
11	SC	Time constant terminal for protect the change shock	27	BVO2	2ch Low pass filter connect terminal
12	PORT1	Port output terminal	28	BIN2	2ch Low pass filter connect terminal
13	PORT2	Port output terminal	29	BVN2	2ch Low pass filter connect terminal
14	PORT3	Port output terminal	30	NF2	Input pin for amp. gain adjust terminal
15	PORT4	Port output terminal	31	IN2	2ch Volume input terminal
16	D-GND	Digital GND.	32	FILTER	Filter terminal

LED DESCRIPTION

L601 FLUORECENT TUBE

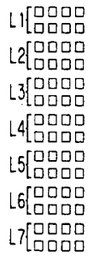
TYPE : CM1485C
ANODE & GRID ASSIGNMENT

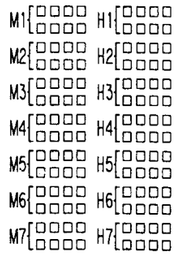




TYPE : CM1485C
ANODE & GRID ASSIGNMENT

	G1	G2	G3	G4	G5	G6	G7	G8
S1	(TIME)	BASS	B NR	1a	3a	5a	7a	M1
S2	OFF	HALL	A	1b	3b	5b	7b	M2
S3	SLEEP	LIVE	MONO	1c	3c	5c	7c	M3
S4	KARAOKE	1	CONT	1d	3d	5d	7d	M4
S5	JAZZ	5		1e	3e	5e	7e	M5
S6	ROCK	2	COMPU.REC	1f	3f	5f	7f	M6
S7	MPX	4	ONE	1g	3g	5g	7g	M7
S8	HI SPEED	6		1h	3h	5h	L1	H1
S9	MUTE	3	INTRO	1i	(A)	5i	L2	H2
S10		PLAY	TR	2a	4a	6a	L3	H3
S11	ON	L.S.H	ST	2b	4b	6b	L4	H4
S12	REC	STADIUM	B	2c	4c	6c	L5	H5
S13	POP	1	ALL	2d	4d	6d	L6	H6
S14	MIC	5		2e	4e	6e	L7	H7
S15	P.R.C	2	SURROUND	2f	4f	6f	(D)	(E)
S16	JAZZ	4		2g	4g	6g	PROG	
S17	CLASSIC	6	REPEAT	2h	4h	(B)	kHz	
S18	KARAOKE	3	RANDOM	2i	4i	(C)	MHz	REC





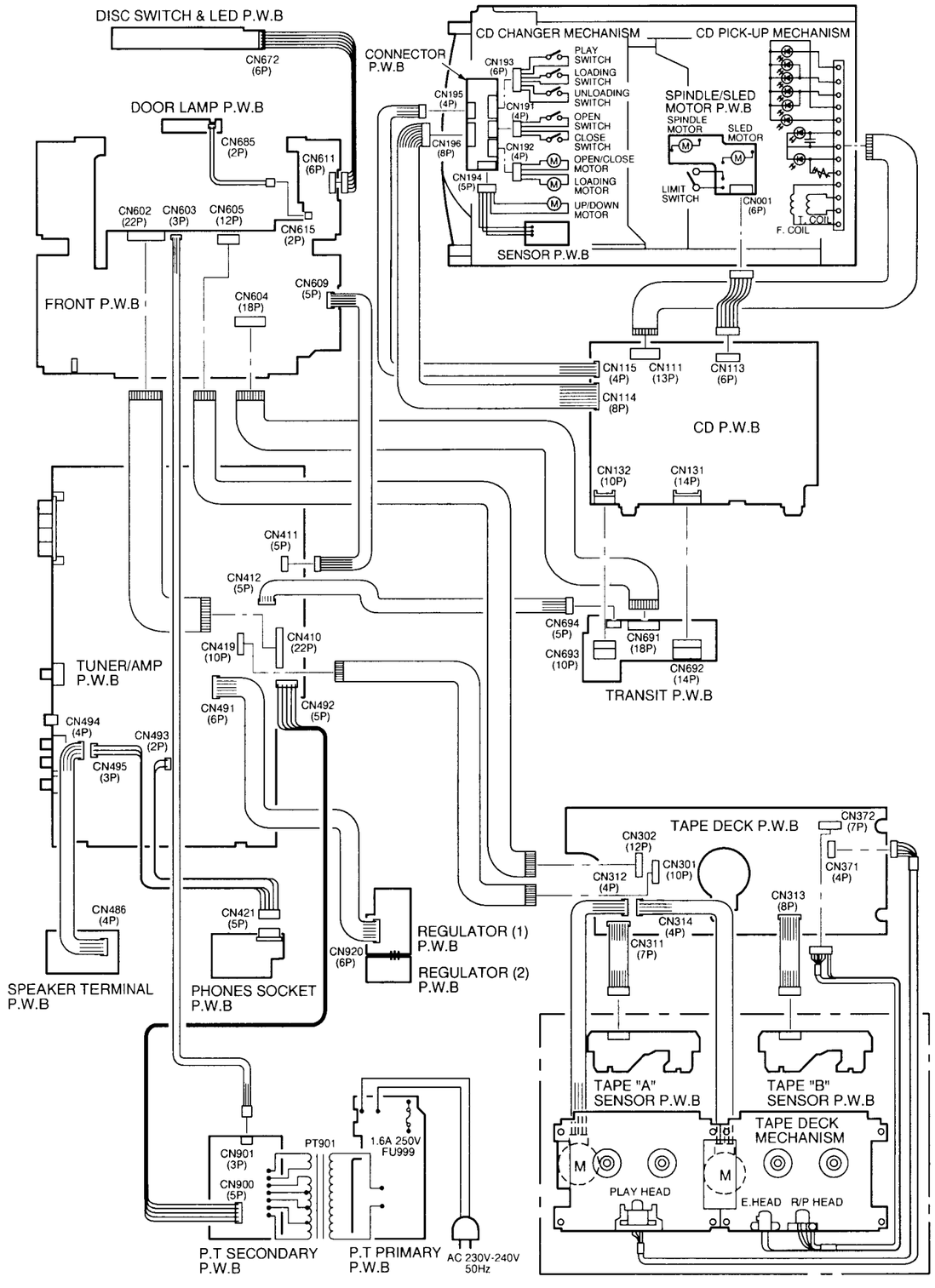
PIN ASSIGNMENT

Pin No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Assignment	F1	F1	NP	G1	G2	G3	G4	G6	G6	G7	G8	NL	NL	NL	NL	NL	NL	NL	NL	S18

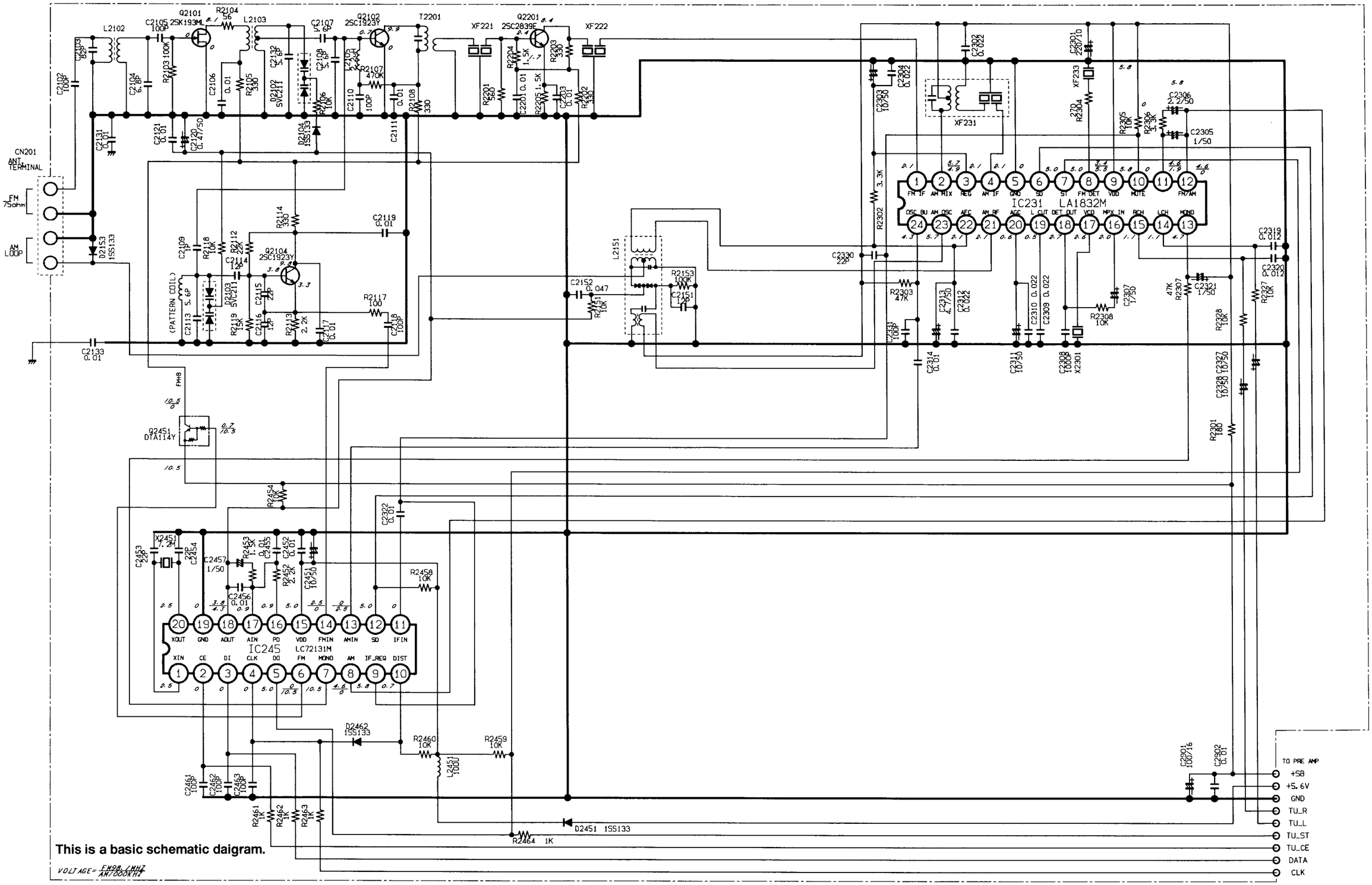
Pin No.	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
Assignment	S17	S16	S15	S14	S13	S12	S11	S10	S9	S8	S7	S6	S5	S4	S3	S2	S1	NP	F2	F2

F1,F2:Filament G1~G8:Grid S1~S18:Anode NP:No Pin NL:No Lead

WIRING CONNECTION



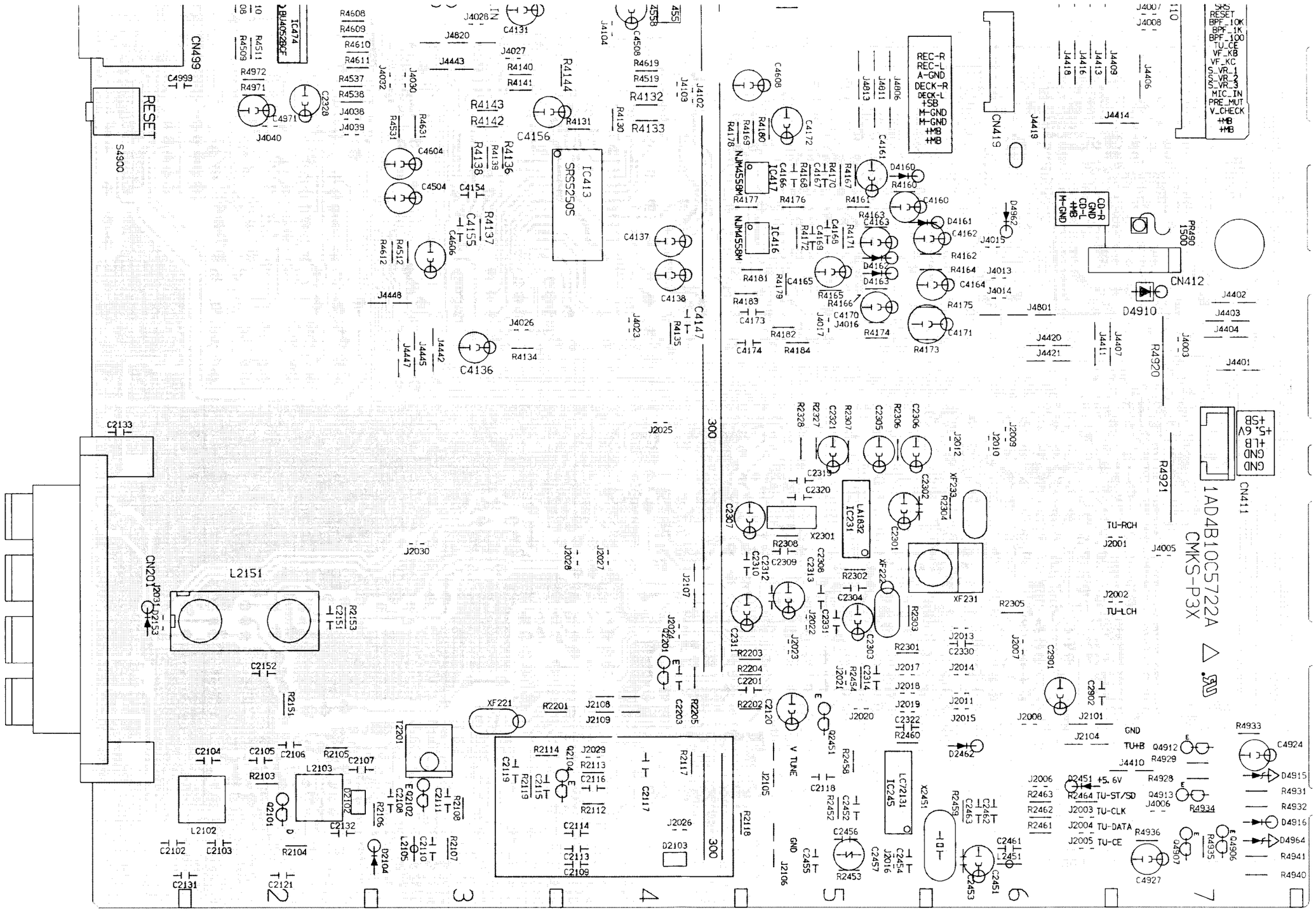
SCHEMATIC DIAGRAM (TUNER)



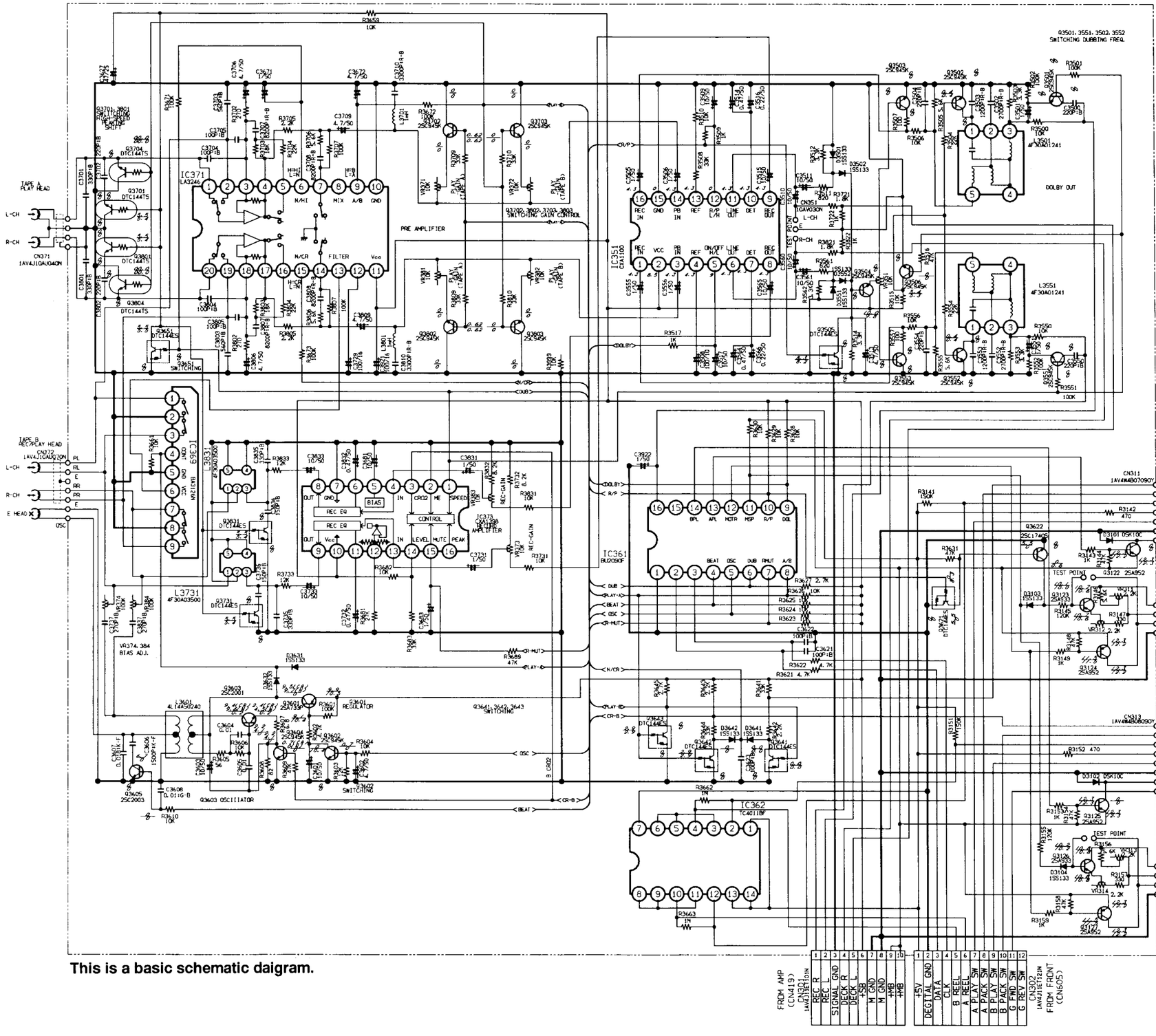
This is a basic schematic daigram.

VOLTAGE= FM98.1MHZ / AM1000KHZ

TUNER/AMP P.W.B (TUNER SECTION)



SCHEMATIC DIAGRAM (TAPE DECK)



Note! voltage informations are as follows!

COMMON USE

	REC	REC (CRO2) REC (NOR)
	PLAY	PLAY

PLAY : TAPE A PLAY
REC : TAPE B REC

IC371	VOLTAGE(V)		
	PLAY	REC	OTHER
1	0	0	
2	0	0	
3	0.3	0.3	
4	3.7	3.7	
5	3.7	3.7	
6	0	0	5.7(HI DUB)
7	3.7	3.7	
8	3.7	3.7	
9	0	0	
10	0	0	
11	9.8	9.8	
12	9.6	9.6	
13	8.7	8.7	
14	3.6	3.6	
15	0	0	6.0(CrO2)
16	3.6	3.6	
17	3.6	3.6	
18	0.3	0.3	
19	0	0	
20	0	0	

IC351	VOLTAGE(V)		
	PLAY	REC	OTHER
1	4.8	4.8	
2	9.8	9.8	
3	4.8	4.8	
4	4.8	4.8	OFF 8
5	9.8	9.8	9.8 0
6	5.0	5.0	
7	5.0	0.1	
8	4.9	4.9	
9	4.9	4.9	
10	0.1	0.1	
11	5.0	5.0	
12	0.1	0	
13	1.0	1.0	
14	4.8	4.8	
15	0	0	
16	4.8	4.8	

IC373	VOLTAGE(V)		
	PLAY	REC	OTHER
1	0	0	8.5(HI DUB)
2	0	0	
3	0	0	8.8(CrO2)
4	4.8	4.8	
5	4.8	4.8	
6	4.8	4.8	
7	0	0	
8	4.8	4.8	
9	4.8	4.8	
10	9.8	9.8	
11	4.8	4.8	
12	0.9	0.9	
13	4.8	4.8	
14	7.4	7.4	
15	0	0	
16	7.1	7.1	

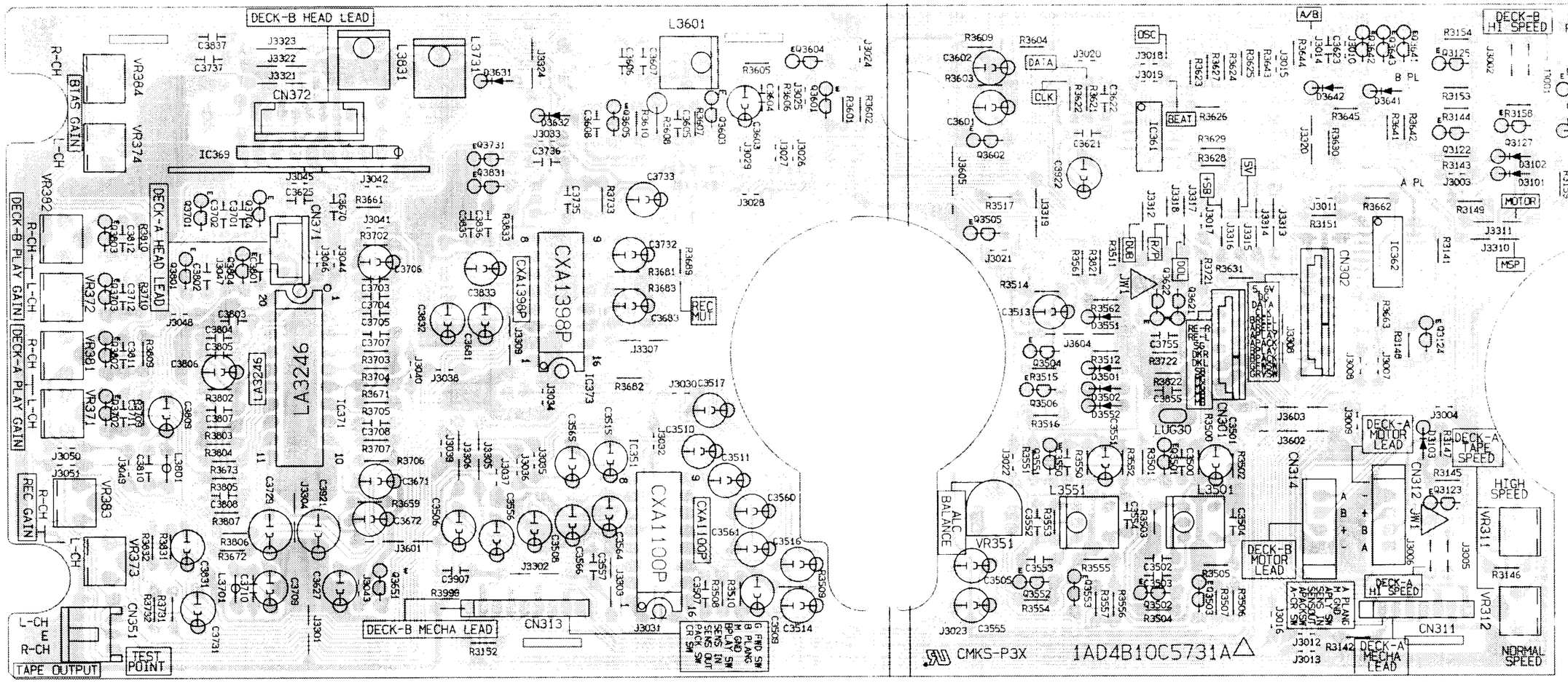
IC361	VOLTAGE(V)		
	PLAY	REC	OTHER
1	0	0	
2	0	0	
3	0	0	
4	8.5	8.5	
5	0	0	
6	0	0	8.5(HI DUB)
7	0	0	
8	2.9	2.9	
9	9.9	9.9	
10	8.3	8.3	
11	0	0	
12	0.6	0.6	
13	12.2	12.2	
14	12.2	12.2	
15	0	0	
16	5.5	5.5	

IC369	VOLTAGE(V)		
	PLAY	REC	OTHER
1	0	0	
2	0	0	
3	0	0	
4	0	4.5	
5	0	0	
6	8.9	8.9	
7	0	0	
8	0	0	
9	0	0	

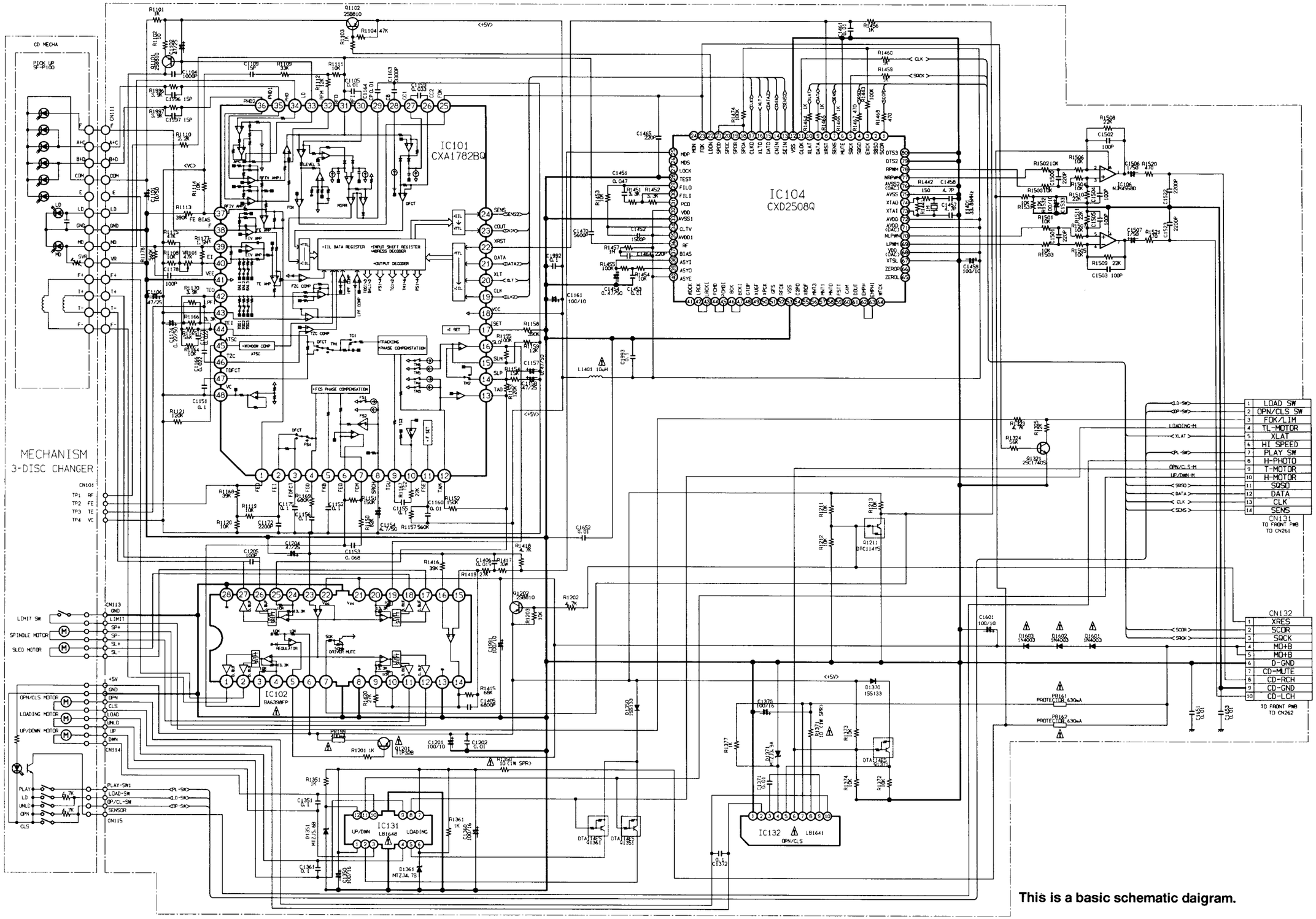
IC362	VOLTAGE(V)		
	PLAY	REC	OTHER
1	0	0	
2	5.5	5.5	
3	0	0	
4	5.5	5.5	
5	0	0	
6	5.5	5.5	
7	0	0	
8	-	-	5.5(STOP)
9	-	-	0(STOP)
10	-	-	5.5(STOP)
11	-	-	0(STOP)
12	5.5	5.5	
13	0	0	
14	5.5	5.5	

This is a basic schematic daigram.

TAPE DECK P.W.B

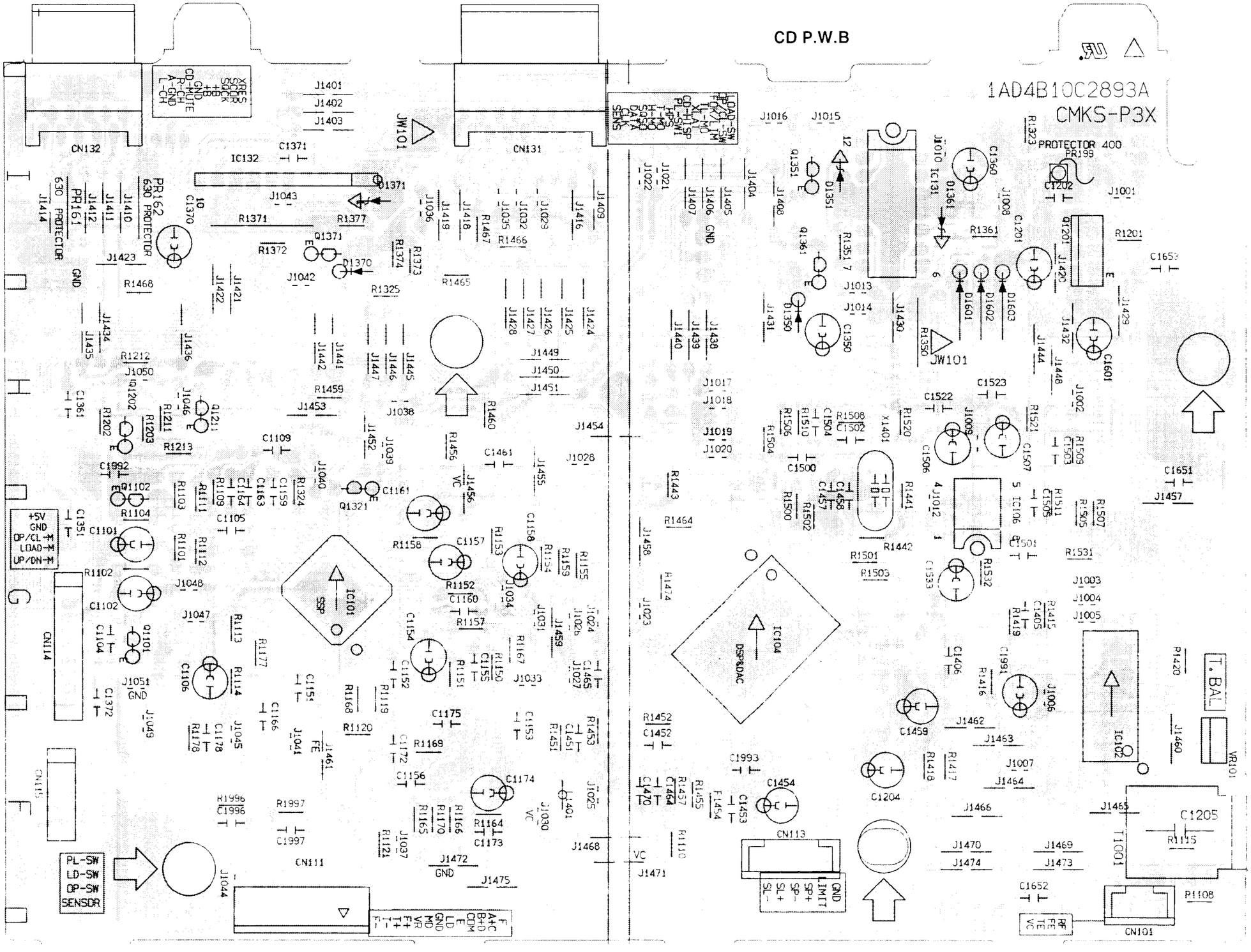


SCHEMATIC DIAGRAM (CD)

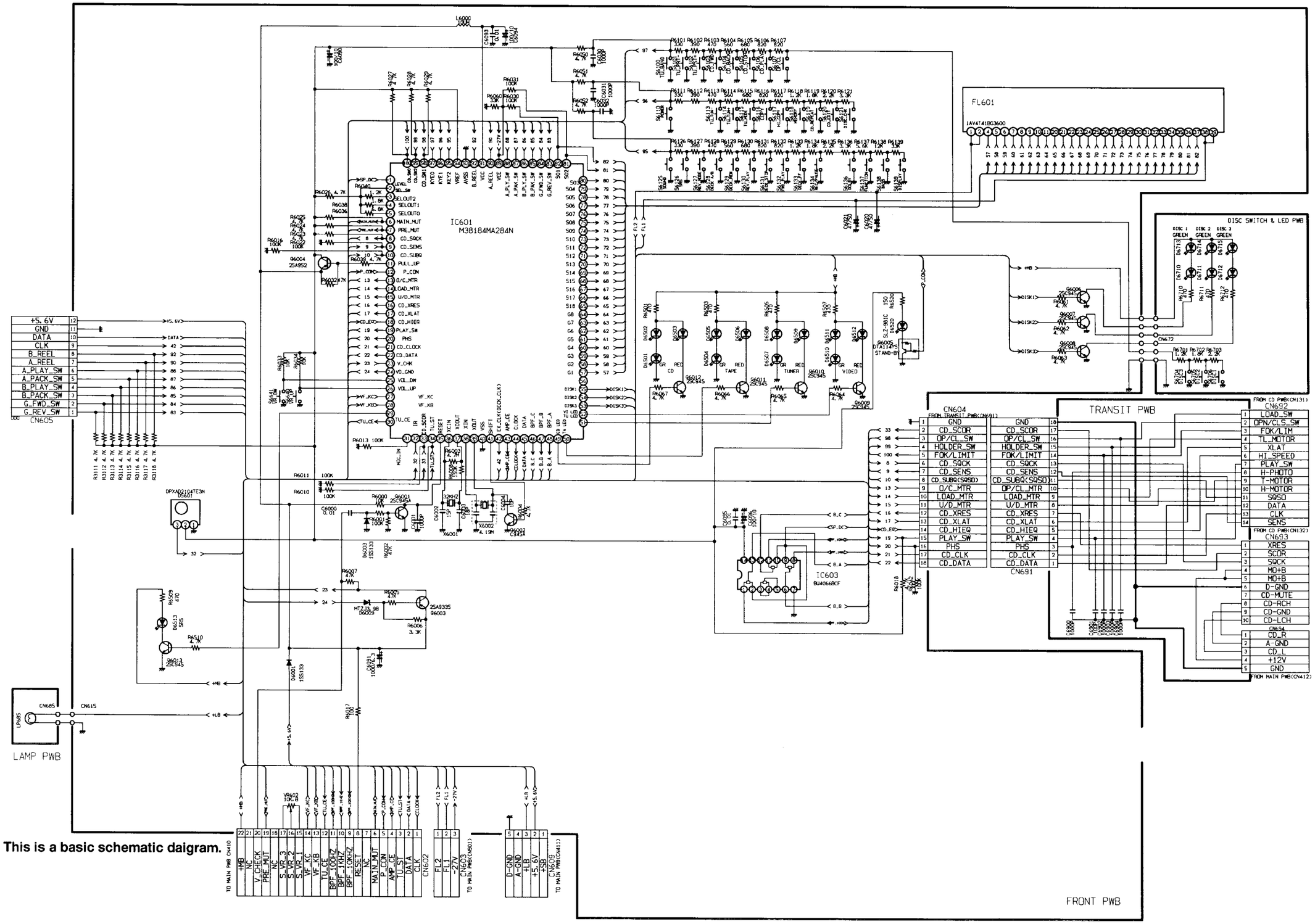


This is a basic schematic daigram.

CD P.W.B

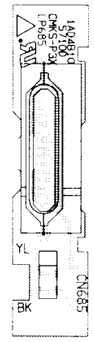

1AD4B10C2893A
CMKS-P3X
CN132
CN131
JW101
IC132
IC101
SSP
IC104
DSP&DAC
IC102
CN114
CN115
CN111
CN113
CN101
PROTECTOR 400
PR162 630 PROTECTOR
PR161 630 PROTECTOR
T. BAL
+5V
GND
DP/CL-M
LOAD-M
UP/DN-M
PL-SW
LD-SW
DP-SW
SENSOR
GND
LIMIT
SP+
SP-
SL+
SL-
RF
FE
TE
VC

SCHEMATIC DIAGRAM (FRONT)

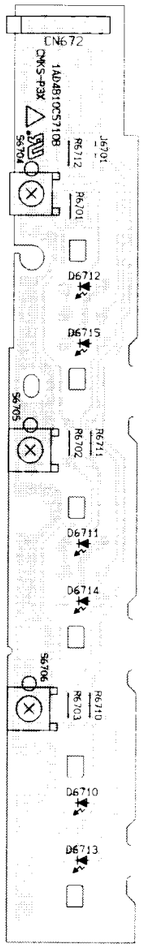


This is a basic schematic daigram.

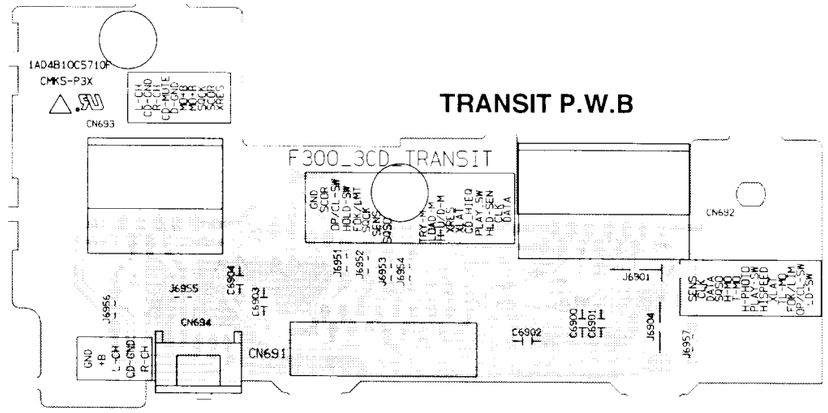
DOOR LAMP P.W.B



DISC SWITCH & LED P.W.B

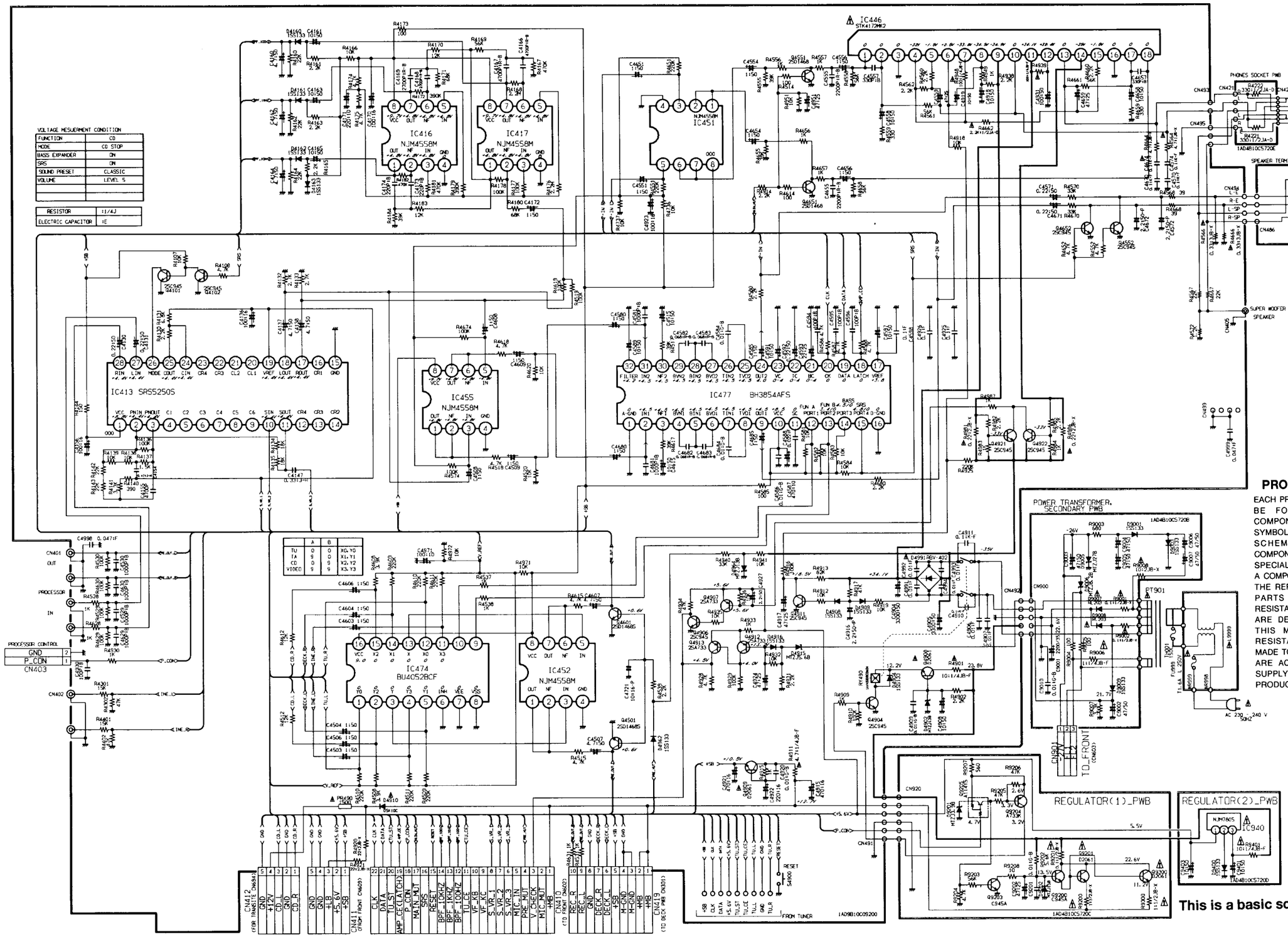


TRANSIT P.W.B



FRONT P.W.B

SCHEMATIC DIAGRAM (AMP.•POWER SUPPLY)

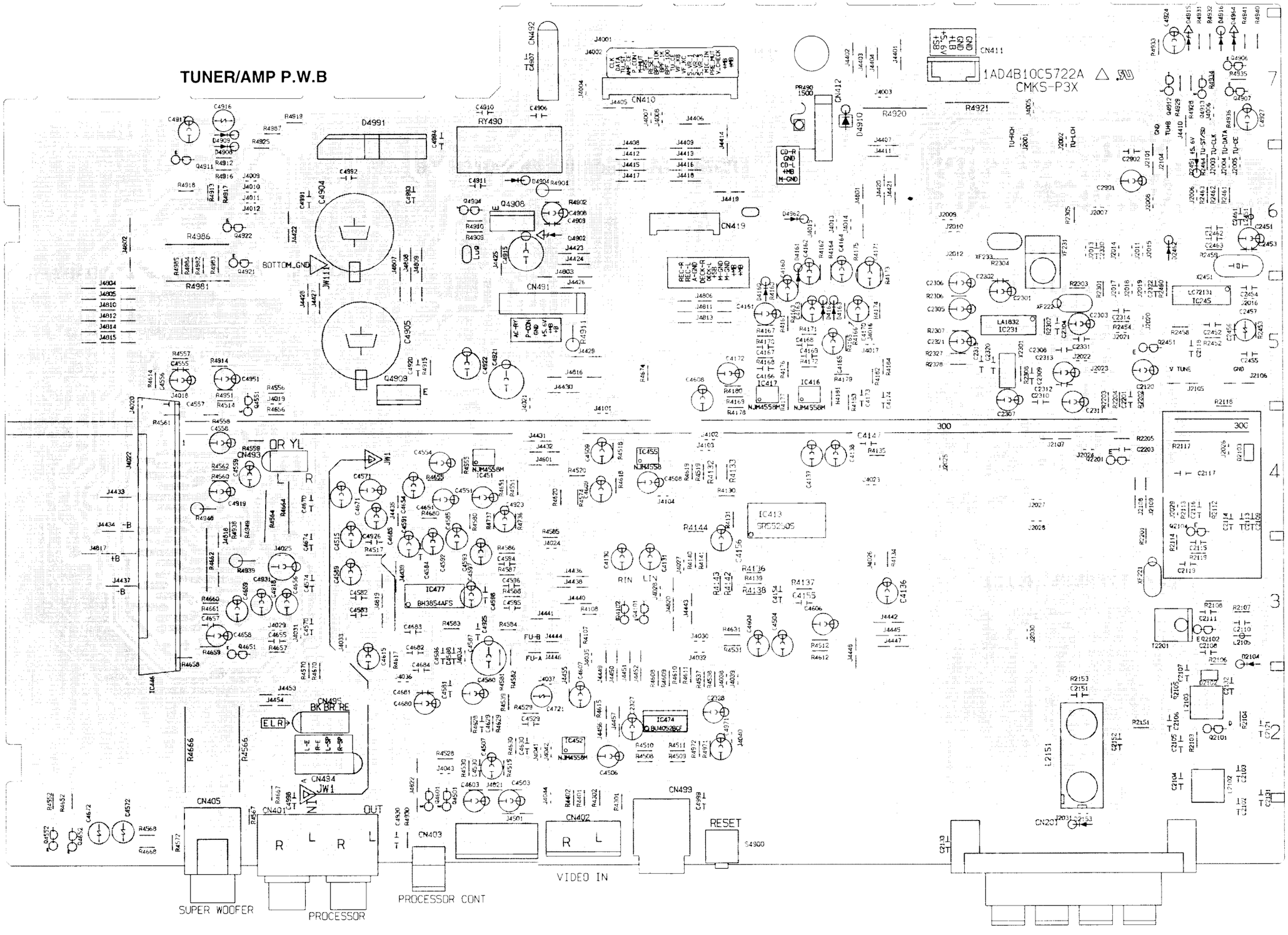


PRODUCT SAFETY NOTICE

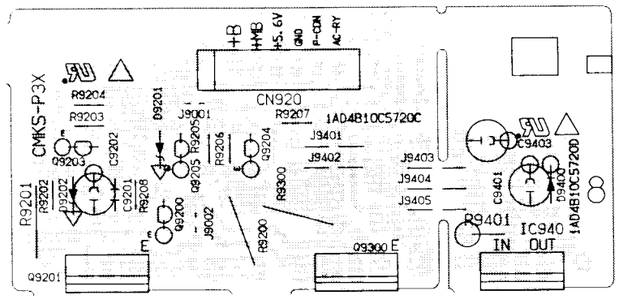
EACH PRECAUTION IN THIS MANUAL SHOULD BE FOLLOWED DURING SERVICING. COMPONENTS IDENTIFIED WITH THE IEC SYMBOL ⚠ IN THE PARTS LIST AND THE SCHEMATIC DIAGRAM DESIGNATED COMPONENTS IN WHICH SAFETY CAN BE OF SPECIAL SIGNIFICANCE. WHEN REPLACING A COMPONENT IDENTIFIED BY ⚠, USE ONLY THE REPLACEMENT PARTS DESIGNATED, OR PARTS WITH THE SAME RATINGS OF RESISTANCE, WATTAGE OR VOLTAGE THAT ARE DESIGNATED IN THE PARTS LIST IN THIS MANUAL. LEAKAGE-CURRENT OR RESISTANCE MEASUREMENTS MUST BE MADE TO DETERMINE THAT EXPOSED PARTS ARE ACCEPTABLY INSULATED FROM THE SUPPLY CIRCUIT BEFORE RETURNING THE PRODUCT TO THE CUSTOMER.

This is a basic schematic daigram.

TUNER/AMP P.W.B

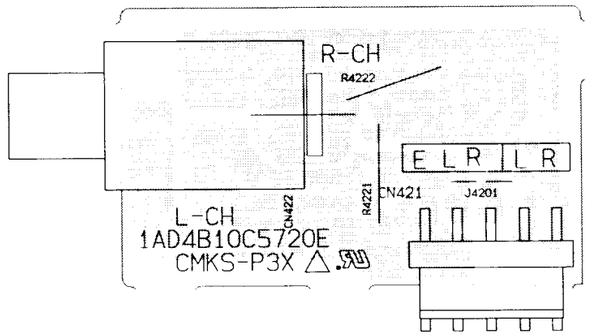


REGULATOR(1) P.W.B

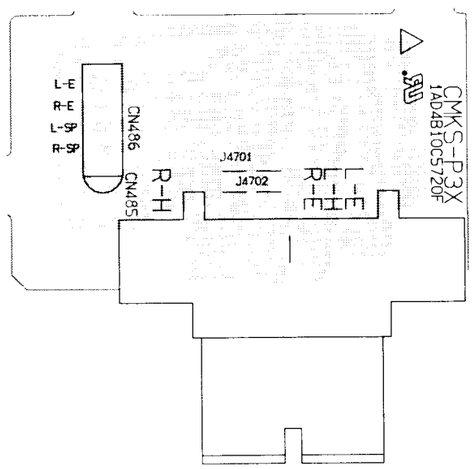


REGULATOR(2) P.W.B

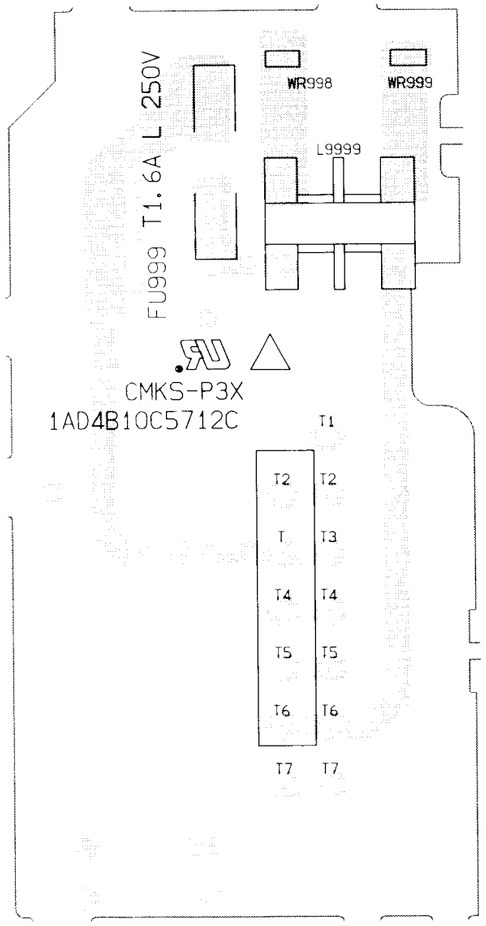
PHONES SOCKET P.W.B



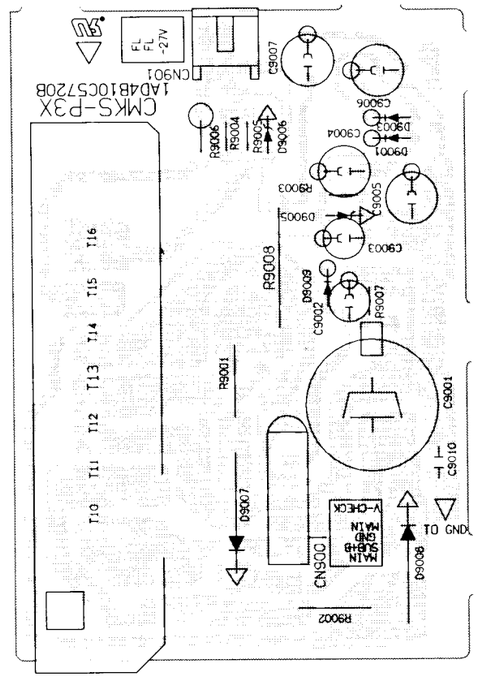
SPEAKER TERMINALP.W.B



POWER TRANSFORMER,PRIMARY P.W.B



POWER TRANSFORMER,SECONDARY P.W.B



TECHNICAL INFORMATION BULLETIN

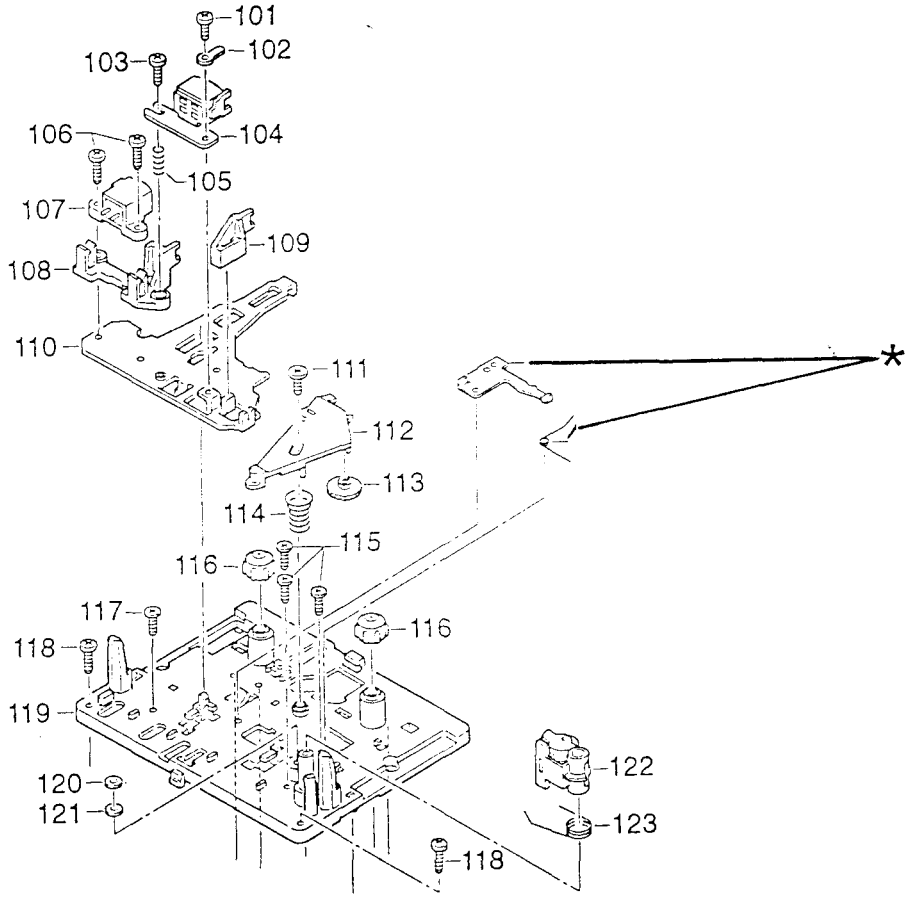
MAKE: SANYO	MODELS:	BULLETIN NO. 9713
		DATE: 19.11.97
S/NO.	DC-F300	ISSUED BY: Blair Cooper
ALL		AUTHORISED BY:
		NO. OF PAGES: ONE

SPECIAL NOTE:

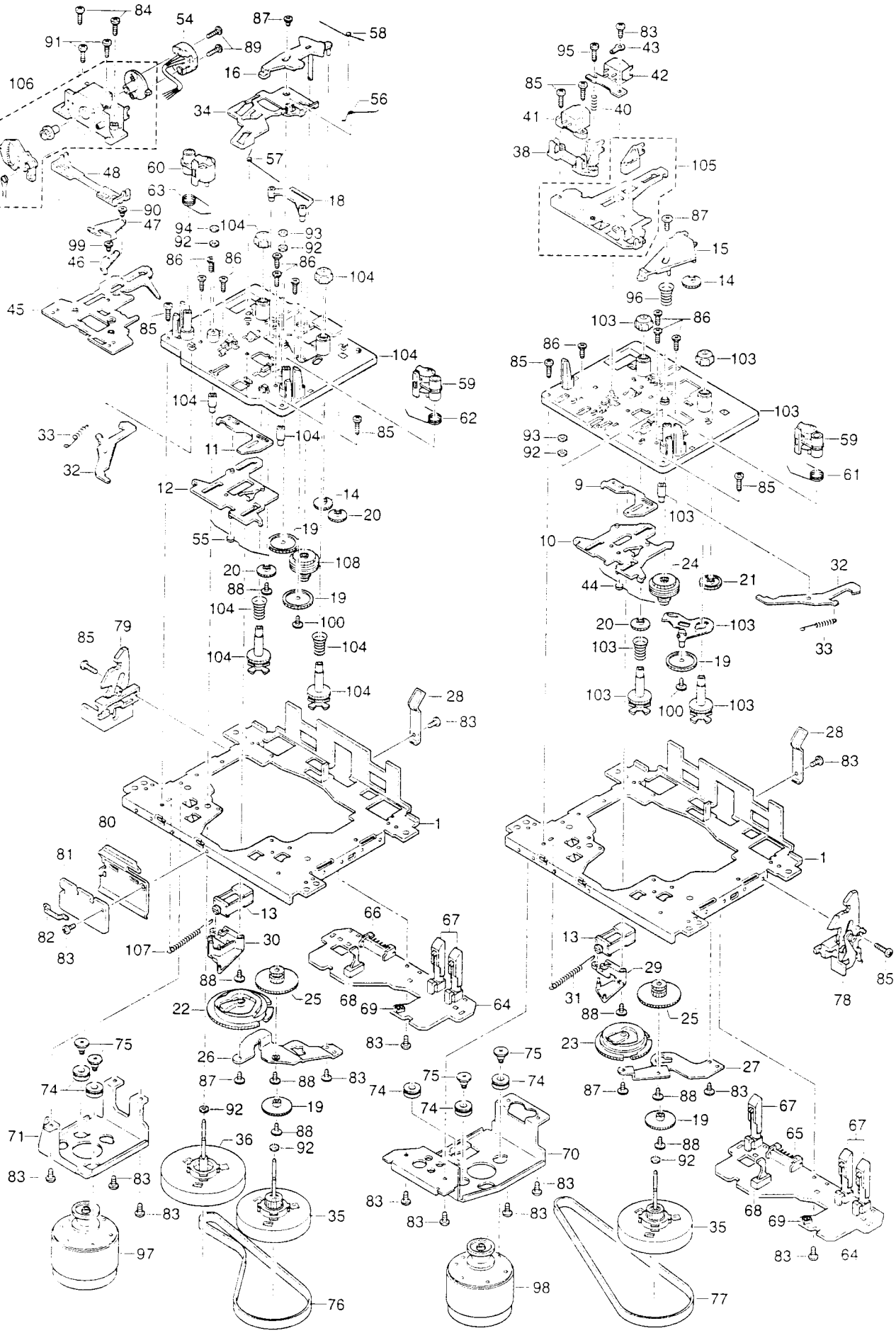
This set has two types of tape mechanism. To identify which mechanism is fitted please see below and refer to Production Change Notice SM580801-03.

If parts marked * below are fitted please refer to tape Mechanism and Parts List 2 on pages 3 and 4.

If not fitted refer to Mechanism and Parts List 1 on pages 1 and 2.



EXPLODED VIEW - 1 (TAPE MECHANISM)

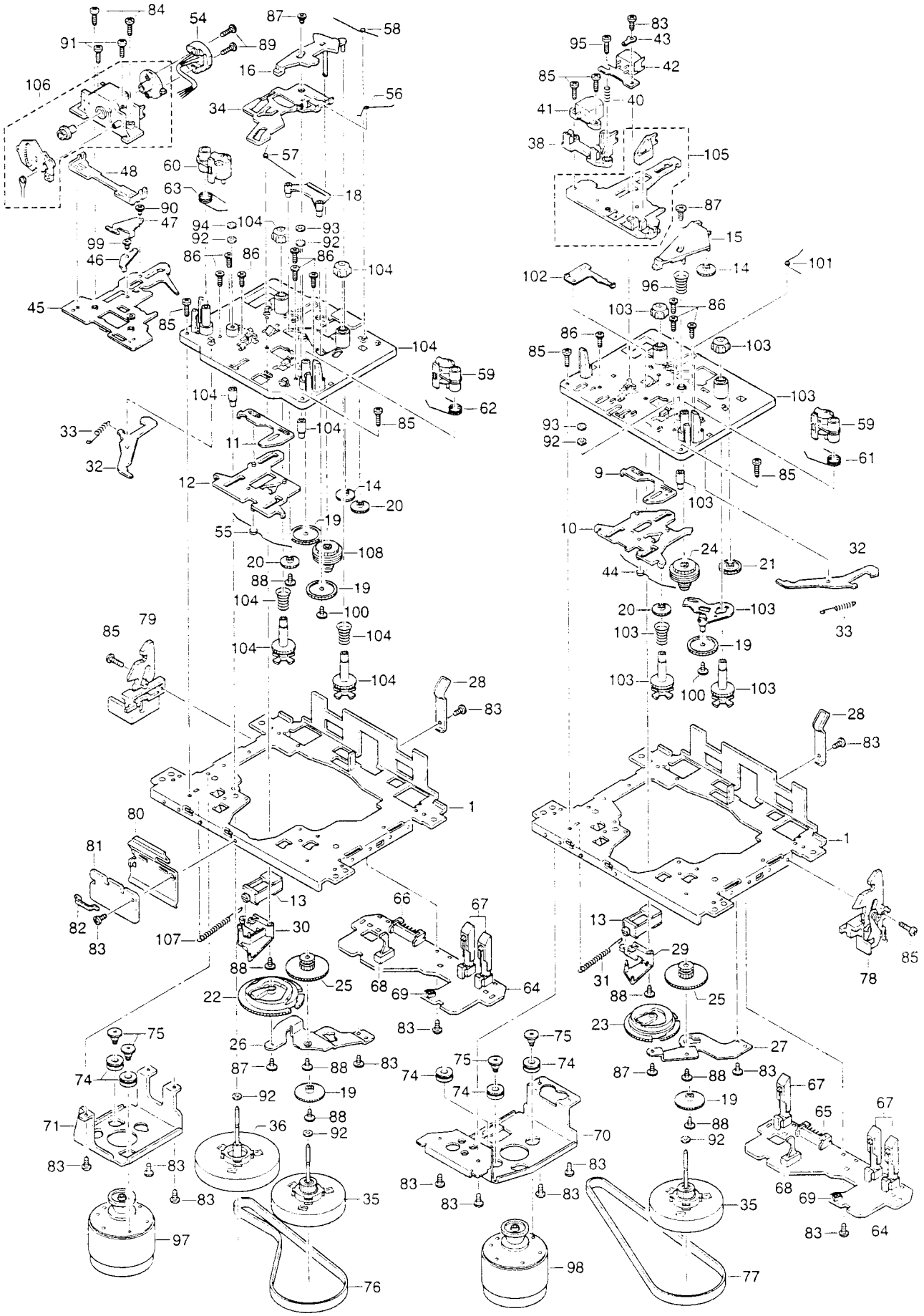


PARTS LIST - 1

TAPE MECHANISM (TM-F300MEC-SP)

REF.NO.	PART NO.	DESCRIPTION
	614 289 0721	ASSY,MECHA,TM-F300MEC-SP(N.S.P)
1	645 024 1970	MECHA-CHASSIS
9	645 024 1963	SELECT-LEVER
10	645 024 1956	ASSY,SELECT-BASE
11	645 024 2007	SELECT-LEVER
12	645 028 0078	ASSY,SELECT-BASE
13	645 024 2038	SOLENOID
14	645 025 6301	SEND-GEAR(B)
15	645 027 8839	CENTER-ARM
16	645 027 9003	CENTER-ARM
18	645 027 9010	FWD-ARM
19	645 024 2144	SEND-GEAR(A)
20	645 025 6295	SEND-GEAR(B)
21	645 024 2113	SEND-GEAR(C)
22	645 024 2120	ASSIST-GEAR
23	645 027 8846	ASSIST-GEAR
24	645 028 0559	ASSY,FF-GEAR
25	645 024 2229	ASSY,CENTER-GEAR
26	645 024 2267	PROTECT-STAY
27	645 024 2205	PROTECT-STAY
28	645 024 2243	CST-HOLDER-SP
29	645 024 2168	TRIGGER-ARM
30	645 024 2236	TRIGGER-ARM
31	645 027 8877	TRIGGER-ARM-SP
32	645 027 8860	EJECT-LOCK
33	645 024 2182	EJECT-LOCK-SP
34	645 027 9065	REV-PLATE
35	645 024 2281	ASSY,FW-GEAR
36	645 024 2274	ASSY,FW
38	645 024 2380	HEAD-SPACER
40	645 024 2397	AZIMUTH-SP
41	614 021 8831	MAGNETIC HEAD
42	614 208 4052	HEAD,R/P
43	645 024 2311	EARTH-LUG D2
44	645 027 8853	HEAD-BASE-SP
45	645 024 2458	ASSY,HEAD-BASE
46	645 024 2540	REV-PLATE(B)
47	645 024 2557	REV-PLATE(A)
48	645 024 2465	PINCH-PLATE
54	614 236 9197	HEAD,PLAY
55	645 027 9126	HEAD-BASE-SP
56	645 027 9157	REV-SP
57	645 027 9072	CENTER-BASE-SP(A)
58	645 027 9089	CENTER-BASE-SP(B)
59	645 028 0030	ASSY,PINCH-ARM
60	645 028 0542	ASSY,PINCH-ARM
61	645 024 2359	PINCH-SP
62	645 027 9140	PINCH-SP
63	645 027 9133	PINCH-SP
64	645 027 9119	SENSOR-PCB
65	645 024 2779	CONNECTOR S8B-PH-K-S
66	645 024 2762	CONNECTOR S7B-PH-K-S
67	645 025 6141	LEAF SW MXS00821MPP0
68	645 024 2335	PUSH-SW MPU10190MLB0
69	645 024 2328	PHOTO-SENSOR GP2S24C
70	645 024 2427	MOTOR-BKT
71	645 024 2434	MOTOR-BKT
74	645 024 3172	RUBBER-CUSHION
75	645 024 3165	MOTOR-SCREW
76	645 024 6142	MAIN-BELT
77	645 028 1051	MAIN-BELT
78	645 027 9966	ASSY,EJECT-BASE
79	645 027 9973	ASSY,EJECT-BASE
80	645 027 9102	SHIELD-PLATE(A)
81	645 027 9096	HEAD-PCB
82	645 024 3226	WIRE-CLAMP
83	645 025 6134	BIND-SCREW
84	645 024 3141	BIND-SCREW
85	645 024 3158	BIND-SCREW
86	645 024 3127	SCREW
87	645 024 3257	SCREW
88	645 024 3103	SCREW
89	645 024 3110	SCREW
90	645 024 3080	SCREW
91	645 024 3233	AZIMUTH SCREW
92	645 027 8914	P-WASHER
93	645 027 8907	L-CUT-WASHER
94	645 028 0528	L-CUT-WASHER
95	645 028 0535	SCREW
96	645 024 2069	PRESSURE-SP
97	614 293 5705	ASSY,MOTOR,PLAY MECHA MOTOR
98	614 293 5712	ASSY,MOTOR,R/P MECHA MOTOR
99	645 027 9041	SCREW
100	645 027 9034	HEADER SCREW
103	645 027 5463	ASSY,MOLD-CHASSIS
104	645 027 5388	MOLD-CHASSISS-ASSY
105	645 027 5395	HEAD-BASE-ASSY
106	645 027 5371	HEAD-GUIDE-ASSY
107	645 027 9058	TRIGGER-ARM-SP
108	645 028 0108	ASSY,FF-GEAR

EXPLODED VIEW - 2 (TAPE MECHANISM)



PARTS LIST - 2

TAPE MECHANISM (TM-F300MEC-SP)

REF.NO.	PART NO.	DESCRIPTION
	614 289 0721	ASSY,MECHA,TM-F300MEC-SP(N.S.P)
1	645 024 1970	MECHA-CHASSIS
9	645 024 1963	SELECT-LEVER
10	645 027 9348	ASSY,SELECT-BASE
11	645 024 2007	SELECT-LEVER
12	645 028 0078	ASSY,SELECT-BASE
13	645 024 2038	SOLENOID
14	645 025 6301	SEND-GEAR(B)
15	645 027 8839	CENTER-ARM
16	645 027 9003	CENTER-ARM
18	645 027 9010	FWD-ARM
19	645 024 2144	SEND-GEAR(A)
20	645 025 6295	SEND-GEAR(B)
21	645 024 2113	SEND-GEAR(C)
22	645 024 2120	ASSIST-GEAR
23	645 027 8846	ASSIST-GEAR
24	645 028 0559	ASSY,FF-GEAR
25	645 024 2229	ASSY,CENTER-GEAR
26	645 024 2267	PROTECT-STAY
27	645 027 8884	PROTECT-STAY
28	645 024 2243	CST-HOLDER-SP
29	645 024 2168	TRIGGER-ARM
30	645 024 2236	TRIGGER-ARM
31	645 027 8877	TRIGGER-ARM-SP
32	645 027 8860	EJECT-LOCK
33	645 024 2182	EJECT-LOCK-SP
34	645 027 9065	REV-PLATE
35	645 024 2281	ASSY,FW-GEAR
36	645 024 2274	ASSY,FW
38	645 024 2380	HEAD-SPACER
40	645 024 2397	AZIMUTH-SP
41	614 021 8831	MAGNETIC HEAD
42	614 208 4052	HEAD,R/P
43	645 024 2311	EARTH-LUG D2
44	645 027 8853	HEAD-BASE-SP
45	645 024 2458	ASSY,HEAD-BASE
46	645 024 2540	REV-PLATE(B)
47	645 024 2557	REV-PLATE(A)
48	645 024 2465	PINCH-PLATE
54	614 236 9197	HEAD,PLAY
55	645 027 9126	HEAD-BASE-SP
56	645 027 9157	REV-SP
57	645 027 9072	CENTER-BASE-SP(A)
58	645 027 9089	CENTER-BASE-SP(B)
59	645 028 0030	ASSY,PINCH-ARM
60	645 028 0542	ASSY,PINCH-ARM
61	645 024 2359	PINCH-SP
62	645 027 9140	PINCH-SP
63	645 027 9133	PINCH-SP
64	645 027 9119	SENSOR-PCB
65	645 024 2779	CONNECTOR S8B-PH-K-S
66	645 024 2762	CONNECTOR S7B-PH-K-S
67	645 025 6141	LEAF SW MXS00821MPP0
68	645 024 2335	PUSH-SW MPU10190MLB0
69	645 024 2328	PHOTO-SENSOR GP2S24C
70	645 024 2427	MOTOR-BKT
71	645 024 2434	MOTOR-BKT
74	645 024 3172	RUBBER-CUSHION
75	645 024 3165	MOTOR-SCREW
76	645 024 6142	MAIN-BELT
77	645 028 1051	MAIN-BELT
78	645 027 9966	ASSY,EJECT-BASE
79	645 027 9973	ASSY,EJECT-BASE
80	645 027 9102	SHIELD-PLATE(A)
81	645 027 9096	HEAD-PCB
82	645 024 3226	WIRE-CLAMP
83	645 025 6134	BIND-SCREW
84	645 024 3141	BIND-SCREW
85	645 024 3158	BIND-SCREW
86	645 024 3127	SCREW
87	645 024 3257	SCREW
88	645 024 3103	SCREW
89	645 024 3110	SCREW
90	645 024 3080	SCREW
91	645 024 3233	AZIMUTH SCREW
92	645 027 8914	P-WASHER
93	645 027 8907	L-CUT-WASHER
94	645 028 0528	L-CUT-WASHER
95	645 028 0535	SCREW
96	645 024 2069	PRESSURE-SP
97	614 293 5705	ASSY,MOTOR,PLAY MECHA MOTOR
98	614 293 5712	ASSY,MOTOR,R/P MECHA MOTOR
99	645 027 9041	SCREW
100	645 027 9034	HEADER SCREW
101	645 027 8938	FWD-ARM-SP
102	645 027 8990	F/R-LOCK-PLATE
103	645 027 9324	ASSY,MOLD-CHASSIS
104	645 027 5388	MOLD-CHASSISS-ASSY
105	645 027 5395	HEAD-BASE-ASSY
106	645 027 5371	HEAD-GUIDE-ASSY
107	645 027 9058	TRIGGER-ARM-SP
108	645 028 0108	ASSY,FF-GEAR

Notice

SANYO

[V]	CORRECTION	[ ]	PRODUCTION CHANGE
[ ]	SERVICE FLASH	[ ]	ADD INFORMATION
[ ]		[ ]	

FILE NO. E-2805

Please add this notice to the Service Manual listed below.

Category : Mini Compornent System **Date :** Aug. 1997

Model : DC-F300

Destination : AU **Reference No. :** SM580801 **Issue Number :** 2

The reason of change.

A : Misprint B : Quality Reliabilities C : Standardization

D : Design E : F :

G :

Page & Section	Ref. No.		Part No.	Description	Q'ty	Interchangeability	Reason
PARTS LIST	555	Old	645 214 9379	SWITCH, UNLOAD END	1		A
P30	555	New	645 012 5904	SWITCH, UNLOAD END	1		

Prod. Cord : 129 508 05

SANYO Technosound Co., Ltd
Osaka, Japan

Aug. / '97 / 450 NS Printed in Japan.

REFERENCE No. SM580801-02

Notice

SANYO

☐	CORRECTION	V	PRODUCTION CHANGE
☐	SERVICE FLASH	☐	ADD INFORMATION
☐		☐	

FILE NO. E-2805

Please add this notice to the Service Manual listed below.

Category : Mini Component System **Date :** Oct. 1997

Model : DC-F300

Destination : AU **Reference No. :** SM580801 **Issue Number :** 3

The reason of change.

A : Misprint B : Quality Reliabilities C : Standardization

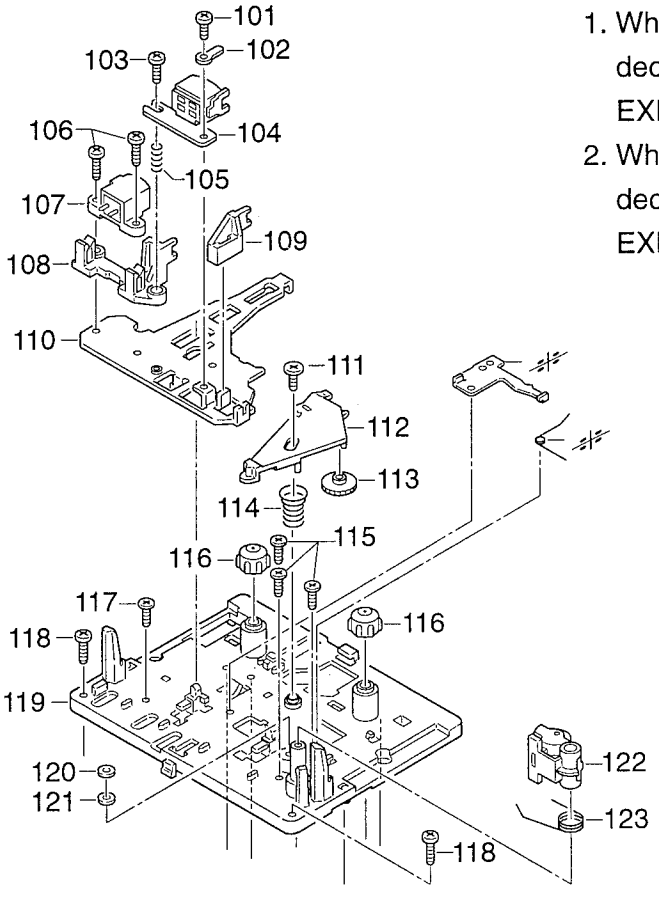
D : Design E : F :

G :

Product Code : 129 530 02

Change EXPLODED VIEW(P28) and PART LIST(P29) to EXPLODED VIEW - 1 and PART LIST - 1 or EXPLODEDVIEW - 2 and PART LIST - 2.

(A viewpoint of figure of EXPLODED VIEW-1 , PART LIST-1 and EXPLODED VIEW-2 and PART LIST-2.)



1. When a part of *mark in explode view below is not added deck mechanism mounted with currently,refer to EXPLODED VIEW-1 and PART LIST-1.
2. When a part of *mark in explode view below is added deck mechanism mounted with currently,refer to EXPLODED VIEW-2 and PART LIST-2.

SANYO Technosound Co., Ltd
Osaka, Japan

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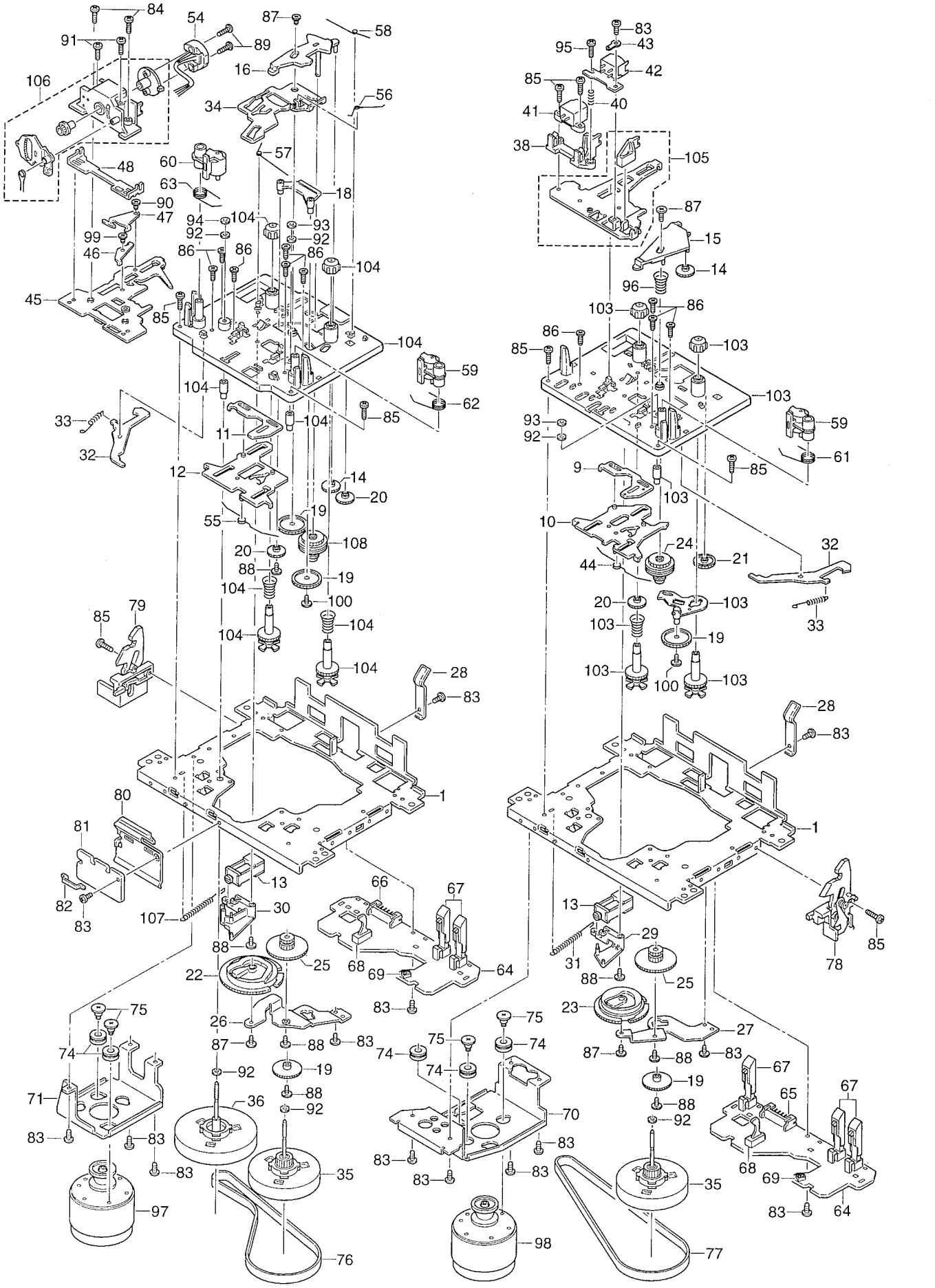
REFERENCE No. SM580801-03

EXPLODED VIEW - 1 (TAPE MECHANISM)

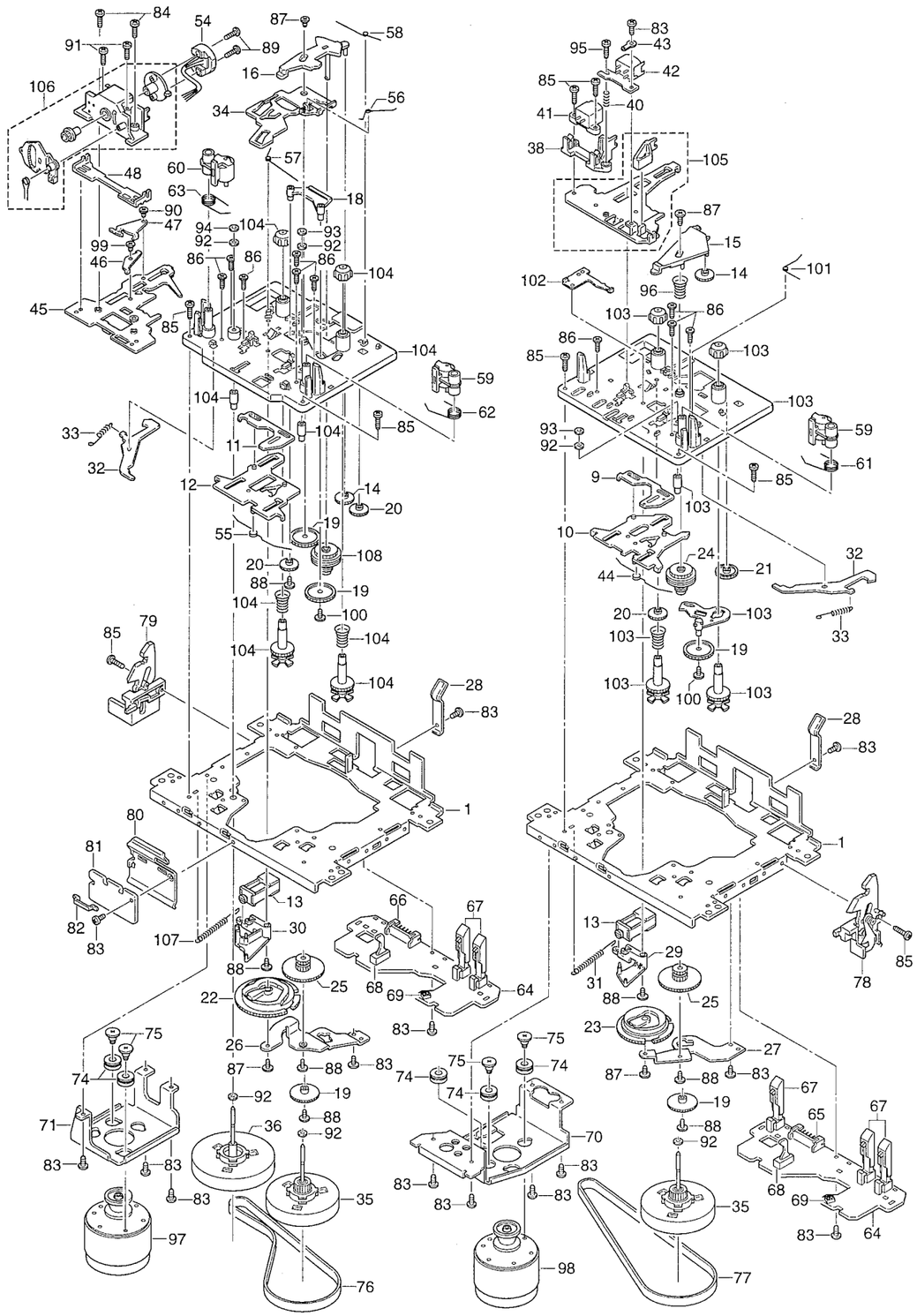


PARTS LIST - 1

TAPE MECHANISM (TM-F300MEC-SP)

REF.NO.	PART NO.	DESCRIPTION
	614 289 0721	ASSY,MECHA,TM-F300MEC-SP(N.S.P)
1	645 024 1970	MECHA-CHASSIS
9	645 024 1963	SELECT-LEVER
10	645 024 1956	ASSY,SELECT-BASE
11	645 024 2007	SELECT-LEVER
12	645 028 0078	ASSY,SELECT-BASE
13	645 024 2038	SOLENOID
14	645 025 6301	SEND-GEAR(B)
15	645 027 8839	CENTER-ARM
16	645 027 9003	CENTER-ARM
18	645 027 9010	FWD-ARM
19	645 024 2144	SEND-GEAR(A)
20	645 025 6295	SEND-GEAR(B)
21	645 024 2113	SEND-GEAR(C)
22	645 024 2120	ASSIST-GEAR
23	645 027 8846	ASSIST-GEAR
24	645 028 0559	ASSY,FF-GEAR
25	645 024 2229	ASSY,CENTER-GEAR
26	645 024 2267	PROTECT-STAY
27	645 024 2205	PROTECT-STAY
28	645 024 2243	CST-HOLDER-SP
29	645 024 2168	TRIGGER-ARM
30	645 024 2236	TRIGGER-ARM
31	645 027 8877	TRIGGER-ARM-SP
32	645 027 8860	EJECT-LOCK
33	645 024 2182	EJECT-LOCK-SP
34	645 027 9065	REV-PLATE
35	645 024 2281	ASSY,FW-GEAR
36	645 024 2274	ASSY,FW
38	645 024 2380	HEAD-SPACER
40	645 024 2397	AZIMUTH-SP
41	614 021 8831	MAGNETIC HEAD
42	614 208 4052	HEAD,R/P
43	645 024 2311	EARTH-LUG D2
44	645 027 8853	HEAD-BASE-SP
45	645 024 2458	ASSY,HEAD-BASE
46	645 024 2540	REV-PLATE(B)
47	645 024 2557	REV-PLATE(A)
48	645 024 2465	PINCH-PLATE
54	614 236 9197	HEAD,PLAY
55	645 027 9126	HEAD-BASE-SP
56	645 027 9157	REV-SP
57	645 027 9072	CENTER-BASE-SP(A)
58	645 027 9089	CENTER-BASE-SP(B)
59	645 028 0030	ASSY,PINCH-ARM
60	645 028 0542	ASSY,PINCH-ARM
61	645 024 2359	PINCH-SP
62	645 027 9140	PINCH-SP
63	645 027 9133	PINCH-SP
64	645 027 9119	SENSOR-PCB
65	645 024 2779	CONNECTOR S8B-PH-K-S
66	645 024 2762	CONNECTOR S7B-PH-K-S
67	645 025 6141	LEAF SW MXS00821MPP0
68	645 024 2335	PUSH-SW MPU10190MLB0
69	645 024 2328	PHOTO-SENSOR GP2S24C
70	645 024 2427	MOTOR-BKT
71	645 024 2434	MOTOR-BKT
74	645 024 3172	RUBBER-CUSHION
75	645 024 3165	MOTOR-SCREW
76	645 024 6142	MAIN-BELT
77	645 028 1051	MAIN-BELT
78	645 027 9966	ASSY,EJECT-BASE
79	645 027 9973	ASSY,EJECT-BASE
80	645 027 9102	SHIELD-PLATE(A)
81	645 027 9096	HEAD-PCB
82	645 024 3226	WIRE-CLAMP
83	645 025 6134	BIND-SCREW
84	645 024 3141	BIND-SCREW
85	645 024 3158	BIND-SCREW
86	645 024 3127	SCREW
87	645 024 3257	SCREW
88	645 024 3103	SCREW
89	645 024 3110	SCREW
90	645 024 3080	SCREW
91	645 024 3233	AZIMUTH SCREW
92	645 027 8914	P-WASHER
93	645 027 8907	L-CUT-WASHER
94	645 028 0528	L-CUT-WASHER
95	645 028 0535	SCREW
96	645 024 2069	PRESSURE-SP
97	614 293 5705	ASSY,MOTOR,PLAY MECHA MOTOR
98	614 293 5712	ASSY,MOTOR,R/P MECHA MOTOR
99	645 027 9041	SCREW
100	645 027 9034	HEADER SCREW
103	645 027 5463	ASSY,MOLD-CHASSIS
104	645 027 5388	MOLD-CHASSISS-ASSY
105	645 027 5395	HEAD-BASE-ASSY
106	645 027 5371	HEAD-GUIDE-ASSY
107	645 027 9058	TRIGGER-ARM-SP
108	645 028 0108	ASSY,FF-GEAR

EXPLODED VIEW - 2 (TAPE MECHANISM)



PARTS LIST - 2

TAPE MECHANISM (TM-F300MEC-SP)

REF.NO.	PART NO.	DESCRIPTION
	614 289 0721	ASSY,MECHA,TM-F300MEC-SP(N.S.P)
1	645 024 1970	MECHA-CHASSIS
9	645 024 1963	SELECT-LEVER
10	645 027 9348	ASSY,SELECT-BASE
11	645 024 2007	SELECT-LEVER
12	645 028 0078	ASSY,SELECT-BASE
13	645 024 2038	SOLENOID
14	645 025 6301	SEND-GEAR(B)
15	645 027 8839	CENTER-ARM
16	645 027 9003	CENTER-ARM
18	645 027 9010	FWD-ARM
19	645 024 2144	SEND-GEAR(A)
20	645 025 6295	SEND-GEAR(B)
21	645 024 2113	SEND-GEAR(C)
22	645 024 2120	ASSIST-GEAR
23	645 027 8846	ASSIST-GEAR
24	645 028 0559	ASSY,FF-GEAR
25	645 024 2229	ASSY,CENTER-GEAR
26	645 024 2267	PROTECT-STAY
27	645 027 8884	PROTECT-STAY
28	645 024 2243	CST-HOLDER-SP
29	645 024 2168	TRIGGER-ARM
30	645 024 2236	TRIGGER-ARM
31	645 027 8877	TRIGGER-ARM-SP
32	645 027 8860	EJECT-LOCK
33	645 024 2182	EJECT-LOCK-SP
34	645 027 9065	REV-PLATE
35	645 024 2281	ASSY,FW-GEAR
36	645 024 2274	ASSY,FW
38	645 024 2380	HEAD-SPACER
40	645 024 2397	AZIMUTH-SP
41	614 021 8831	MAGNETIC HEAD
42	614 208 4052	HEAD,R/P
43	645 024 2311	EARTH-LUG D2
44	645 027 8853	HEAD-BASE-SP
45	645 024 2458	ASSY,HEAD-BASE
46	645 024 2540	REV-PLATE(B)
47	645 024 2557	REV-PLATE(A)
48	645 024 2465	PINCH-PLATE
54	614 236 9197	HEAD,PLAY
55	645 027 9126	HEAD-BASE-SP
56	645 027 9157	REV-SP
57	645 027 9072	CENTER-BASE-SP(A)
58	645 027 9089	CENTER-BASE-SP(B)
59	645 028 0030	ASSY,PINCH-ARM
60	645 028 0542	ASSY,PINCH-ARM
61	645 024 2359	PINCH-SP
62	645 027 9140	PINCH-SP
63	645 027 9133	PINCH-SP
64	645 027 9119	SENSOR-PCB
65	645 024 2779	CONNECTOR S8B-PH-K-S
66	645 024 2762	CONNECTOR S7B-PH-K-S
67	645 025 6141	LEAF SW MXS00821MPP0
68	645 024 2335	PUSH-SW MPU10190MLB0
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71	645 024 2434	MOTOR-BKT
74	645 024 3172	RUBBER-CUSHION
75	645 024 3165	MOTOR-SCREW
76	645 024 6142	MAIN-BELT
77	645 028 1051	MAIN-BELT
78	645 027 9966	ASSY,EJECT-BASE
79	645 027 9973	ASSY,EJECT-BASE
80	645 027 9102	SHIELD-PLATE(A)
81	645 027 9096	HEAD-PCB
82	645 024 3226	WIRE-CLAMP
83	645 025 6134	BIND-SCREW
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87	645 024 3257	SCREW
88	645 024 3103	SCREW
89	645 024 3110	SCREW
90	645 024 3080	SCREW
91	645 024 3233	AZIMUTH SCREW
92	645 027 8914	P-WASHER
93	645 027 8907	L-CUT-WASHER
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97	614 293 5705	ASSY,MOTOR,PLAY MECHA MOTOR
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99	645 027 9041	SCREW
100	645 027 9034	HEADER SCREW
101	645 027 8938	FWD-ARM-SP
102	645 027 8990	F/R-LOCK-PLATE
103	645 027 9324	ASSY,MOLD-CHASSIS
104	645 027 5388	MOLD-CHASSISS-ASSY
105	645 027 5395	HEAD-BASE-ASSY
106	645 027 5371	HEAD-GUIDE-ASSY
107	645 027 9058	TRIGGER-ARM-SP
108	645 028 0108	ASSY,FF-GEAR

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SANYO Technosound Co., Ltd.
Osaka, Japan

Notice

SANYO

FILE NO. E-2805

☐ CORRECTION ☑ PRODUCTION CHANGE

☐ SERVICE FLASH ☐ ADD INFORMATION

☐ ☐

Please add this notice to the Service Manual listed below.

Category : Mini Component System **Date : Feb. 1998**

Model : DC-F300

Destination : AU **Reference No. : SM580801** **Issue Number : 4**

When replacing the gears, please refer to Table 1 and Illustrations as shown below.

(A) Replacing Gear(552)

Check the mark of Gear(554). Arrange it with the other gear as Table 1.

If necessary, change Gear(554) too.

(B) Replacing Gear(554)

Check the mark of Gear(552). Arrange it with the other gear as Table 1.

If necessary, change Gear(552) too.

Table 1. Combine of gear(552) and gear(554)

Gear(552)		Gear(554)		
Mark	Part No	Mark	Part No	Usable or unusable
No	614 266 1819	No	614 266 1802	Usable
No	614 266 1819	Yes	614 298 7025	Unusable
Yes	614 298 7032	No	614 266 1802	Unusable
Yes	614 298 7032	Yes	614 298 7025	Usable

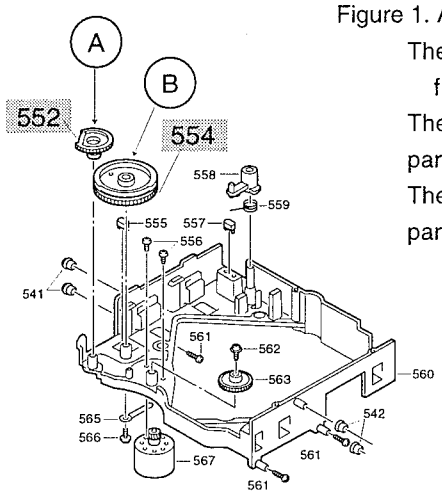
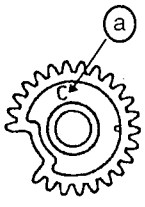
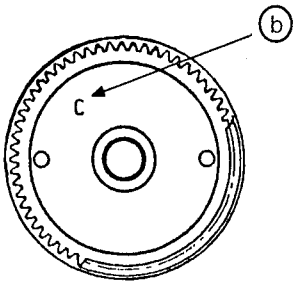


Figure 1. A position of mark "C" of gear (Identification method of gears)

The figure which looked at gears (552) from (A) direction
There is mark "C" in (a) department ;
part number is 614 298 7032
There is not mark "C" to (a) department ;
part number is 614 266 1819



The figure which looked at gears (554) from (B) direction
There is mark "C" in (b) department ;
part number is 614 298 7025
There is not mark "C" to (b) department ;
part number is 614 266 1802



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