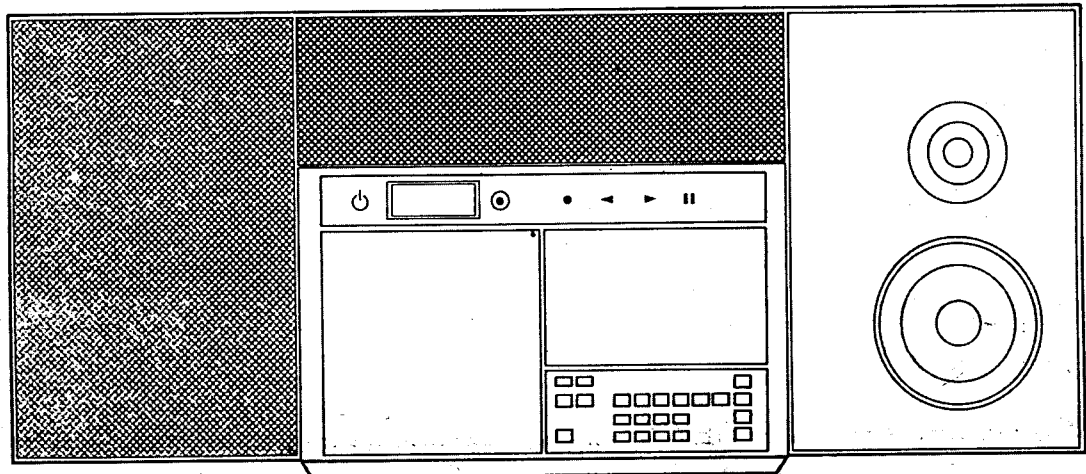


GoldStar

COMPACT DISC STEREO SYSTEM SERVICE MANUAL

COMPACT
disc
DIGITAL AUDIO



MODEL : F-191A/FINIT-100/F-2000

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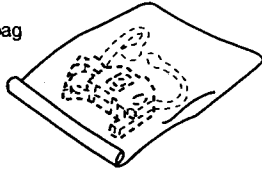
SERVICING PRECAUTIONS

NOTES REGARDING HANDLING OF THE PICK-UP

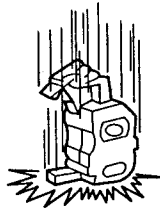
(1) Notes for transport and storage

- 1) The pick-up should always be left in its conductive bag until immediately prior to use.
- 2) The pick-up should never be subjected to external pressure or impact.

Storage in conductive bag

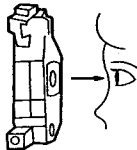


Drop impact



(2) Repair notes

- 1) The pick-up incorporates a strong magnet, and so should never be brought close to magnetic materials.
- 2) The pick-up should always be handled correctly and carefully, taking care to avoid external pressure and impact. If it is subjected to strong pressure or impact, the result may be an operational malfunction and/or damage to the printed-circuit board.
- 3) Each and every pick-up is already individually adjusted to a high degree of precision, and for that reason the adjustment point and installation screws should absolutely never be touched.
- 4) Laser beams may damage the eyes!
Absolutely never permit laser beams to enter the eyes!
Also NEVER switch ON the power to the laser output part (lens, etc.) of the pick-up if it is damaged.

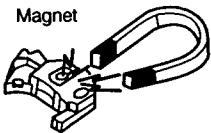


NEVER look directly at the laser beam, and don't let contact fingers or other exposed skin.

5) Cleaning the lens surface

If there is dust on the lens surface, the dust should be cleaned away by using an air bush (such as used for camera lens). The lens is held by a delicate spring. When cleaning the lens surface, therefore, a cotton swab should be used, taking care not to distort this.

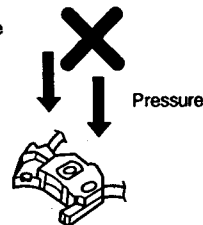
Magnet



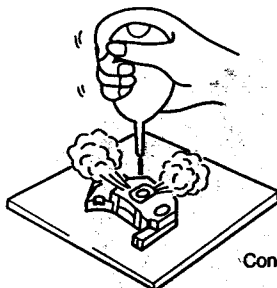
How to hold the pick-up



Pressure

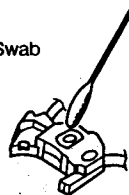


Pressure



Conductive Sheet

Cotton Swab



6) Never attempt to disassemble the pick-up.

Spring by excess pressure. If the lens is extremely dirty, apply isopropyl alcohol to the cotton swab. (Do not use any other liquid cleaners, because they will damage the lens.) Take care not to use too much of this alcohol on the swab, and do not allow the alcohol to get inside the pick-up.

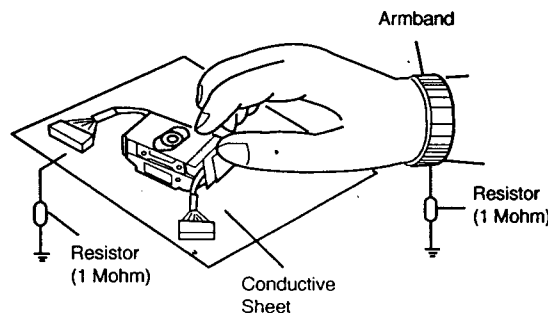
NOTES REGARDING COMPACT DISC PLAYER REPAIRS

(1) Preparations

- 1) Compact disc players incorporate a great many ICs as well as the pick-up (laser diode). These components are sensitive to, and easily affected by, static electricity. If such static electricity is high voltage, components can be damaged, and for that reason components should be handled with care.
- 2) The pick-up is composed of many optical components and other high-precision components. Care must be taken, therefore, to avoid repair or storage where the temperature or humidity is high, where strong magnetism is present, or where there is excessive dust.

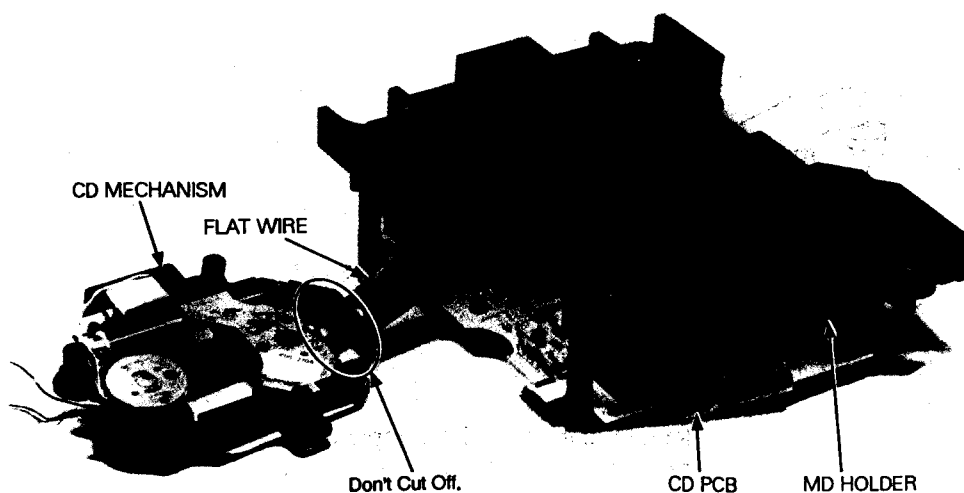
(2) Notes for repair

- 1) Before replacing a component part, first disconnect the power supply lead wire from the unit.
- 2) All equipment, measuring instruments and tools must be grounded.
- 3) The workbench should be covered with a conductive sheet and grounded.
When removing the laser pick-up from its conductive bag, do not place the pick-up on the bag.
(This is because there is the possibility of damage by static electricity.)
- 4) To prevent AC leakage, the metal part of the soldering iron should be grounded.
- 5) Workers should be grounded by a armband (1M Ω).
- 6) Care should be taken not to permit the laser pick-up to come in contact with clothing, in order to prevent static electricity changes in the clothing to escape from the armband.
- 7) The laser beam from the pick-up should NEVER be directly facing the eyes or bare skin.



(3) Cautions for the CD Mechanism

The CD Mechanism Assembly in this unit should be handled with care before everything else. It doesn't connect with screws, etc, so, for repair it may be come apart from the main unit. As a result, the Flat Wire may be cut off.



ESD PRECAUTIONS

Electrostatically Sensitive Devices (ESD)

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive Devices (ESD). Examples of typical ESD devices are integrated circuits and some field-effect transistors and semiconductor chip components. The following techniques should be used to help reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging wrist strap device, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ESD devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded-tip soldering iron to solder or unsolder ESD devices.
4. Use only an anti-static solder removal device. Some solder removal devices not classified as "anti-static" can generate electrical charges sufficient to damage ESD devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ESD devices.
6. Do not remove a replacement ESD device from its protective package until immediately before you are ready to install it. (Most replacement ESD devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive materials).
7. Immediately before removing the protective material from the leads of a replacement ESD device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

CAUTION : BE SURE NO POWER IS APPLIED TO THE CHASSIS OR CIRCUIT, AND OBSERVE ALL OTHER SAFETY PRECAUTIONS.

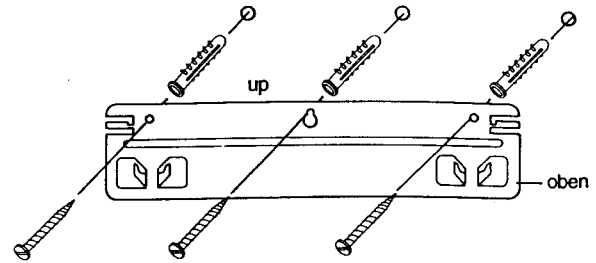
8. Minimize bodily motions when handling unpackaged replacement ESD devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ESD device).

INSTALLATION OF WALL BRACKET

Wall Bracket

This wall bracket has three holes-on-the top in order to fix this mini Hi-Fi system on the wall.

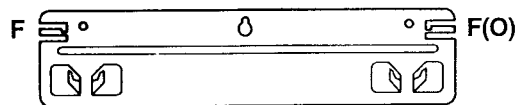
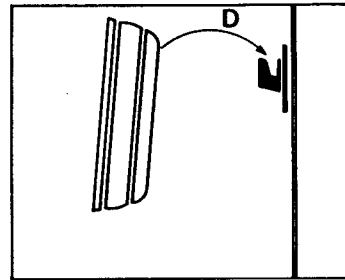
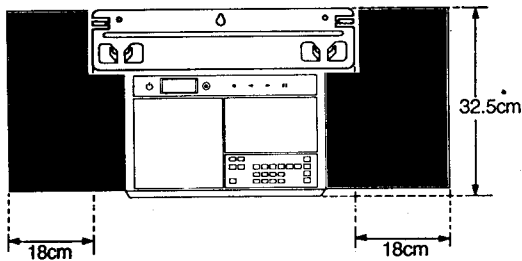
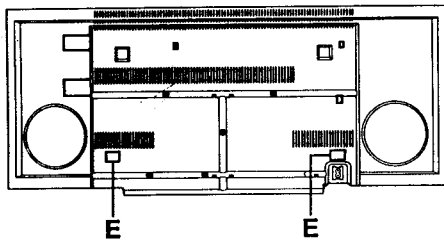
In general, two screws-and the supplied plastic bushing nails are good enough to be against the weight of the unit. (But for the safety, please use all the supplied three screws.)



* Hole size on the wall:

Diameter ↔ : about 6mm but not more than 6mm

Depth : about 30mm but not more than 30mm



Installation of Wall Bracket

- Secure the space to locate wall bracket on the wall. (See the above diagram/figures)
- Mark the hole on the wall, and make holes on the wall. (Use the wall bracket as a diagram/sample.)
- If you wish to install on the wooden wall, unscrew(A) only on it.
- Fix the wall bracket on the wall by screws and plastic bushing nails.
- Attach the two supplied both sides stickers(option) on the rear panel(E).
- Fit the system to two hooks(D) of the wall bracket.
- Have these both sides stickers are attached on the wall.
- Bend the hooks(F) slightly(about 90°) for the unit is fixation purpose.

NOTE: Be sure that the holes on rear panel of this system should be fitted to the hooks of wall bracket

IMPORTANT:

- Do not install on the wall that is not strong.
- Do not install on the wooden wall that is too soft the quality of the wood material.
- Do not select too highly the space to locate your unit, select the space that you can operate your unit.

SPECIFICATIONS

1. AMP SECTION

① Power Output (6 Ω , 2 channel, T.H.D. 10%)	20W + 20W
② T.H.D.	0.2%
③ Signal-to-noise Ratio (AUX)	85dB
④ Input Impedance	47k Ω
⑤ Input Sensitivity (AUX)	400mV
⑥ Crosstalk 100Hz/1kHz/10kHz	50dB/50dB/40dB

2. TUNER SECTION

1) FM

① Frequency Range	87.5MHz~108MHz
② Intermediate Frequency	10.7MHz
③ Sensitivity 90.1MHz, 98.1MHz, 106.1MHz	8dB
④ Signal-to-noise Ratio 98.1MHz (Mono/Stereo)	70dB/65dB
⑤ Image Rejection 106.1MHz	40dB
⑥ IF Rejection 90.1MHz	80dB
⑦ Distortion 98.1MHz (Mono/Stereo)	0.5%/1.0%
⑧ Frequency Response (-3dB)	30Hz~12,000Hz
⑨ Separation 100kHz/1kHz/10kHz	30dB/35dB/30dB

2) AM

① Frequency Range	522kHz~1,611kHz
② IF Rejection	450kHz
③ Usable Sensitivity 1,008kHz	50dB
④ Image Rejection 1,404kHz	30dB
⑤ IF Rejection 603kHz	40dB
⑥ Selectivity 1,008kHz	35dB
⑦ Signal-to-noise Ratio 1,008kHz	40dB
⑧ Distortion 1,008kHz	1%
⑨ Frequency Response (-6dB)	80Hz~2,300Hz

3. DECK SECTION

① Tape Speed	4.75cm/sec
② Wow and Flutter	0.15%
③ Fast Forward and Rewind Time	120sec
④ Frequency Response (5dB Range)	250Hz~10kHz
⑤ Signal-to-noise Ratio	45dB
⑥ Distortion (Playback/Record)	1%/2%
⑦ Crosstalk	60dB
⑧ Separation	35dB
⑨ Erase Ratio	65dB

4. CDP SECTION

① Frequency Response	40Hz~18kHz
② Signal-to-noise Ratio 1kHz	80dB
③ Dynamic Range 1kHz	80dB
④ T.H.D. 1kHz	0.2%
⑤ Separation 1kHz	50dB

5. GENERAL

① Power Requirement	Refer to the back panel of Unit
② Power Consumption	90W
③ Dimension (Net : W × H × D)	790 × 334 × 138 (mm)
④ Weight (Net)	12kg

NOTE : Specifications are subject to change without notice in the course of product improvement.

LOCATION OF SPEAKER OUT & LINE OUT

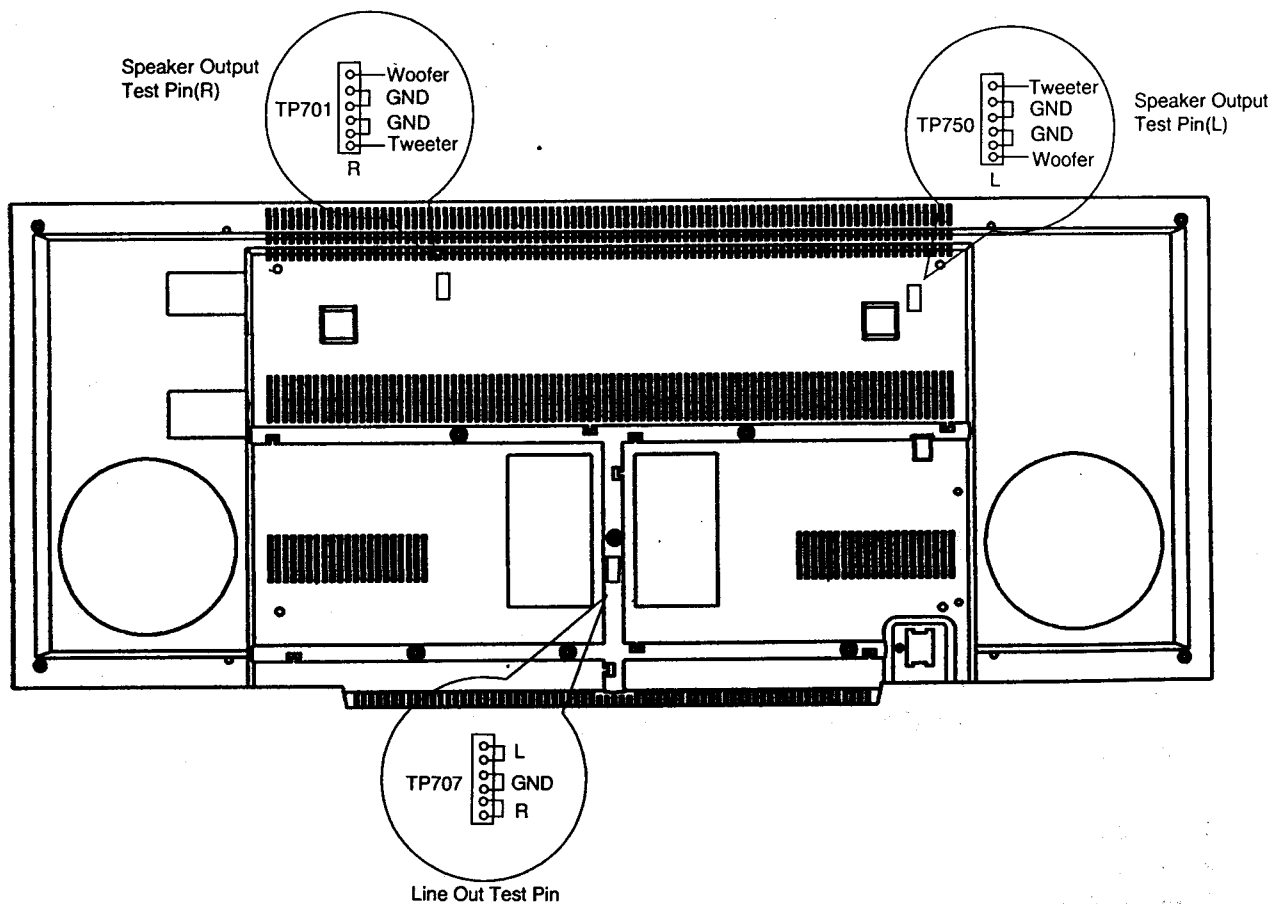


Figure 1. Back View of Unit

ADJUSTMENTS

This set has been aligned at the factory and normally will not require further adjustment. As a result, it is not recommended that any attempt is made to modify any circuit. If any parts are replaced or if anyone tampers with the adjustment, realignment may be necessary.

IMPORTANT

1. Check power-source voltage.
2. Set the function switch to band being aligned.
3. Turn volume control to minimum unless otherwise noted.
4. Keep the signal input as low as possible to avoid AGC and AFC action.

TEST & ADJUSTMENT POINT

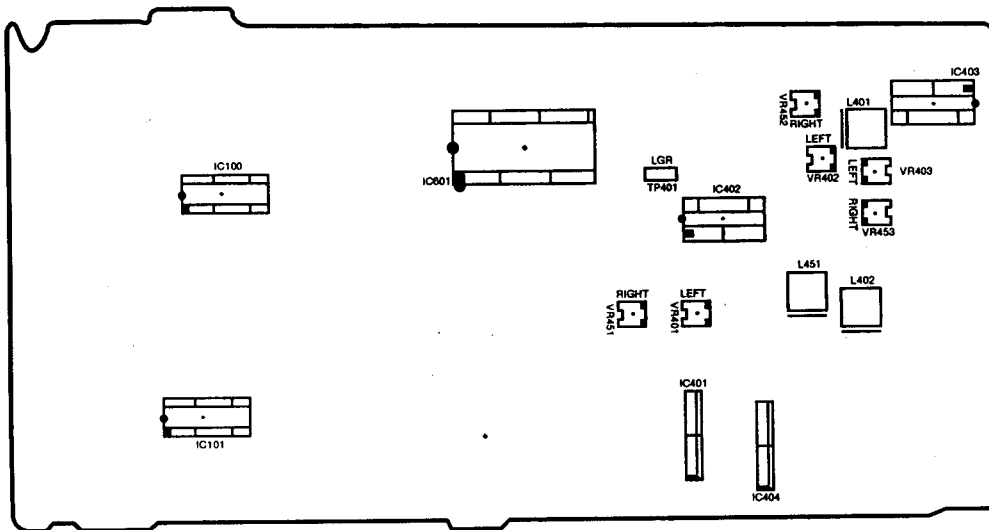


Figure 2. Deck P.C. Board

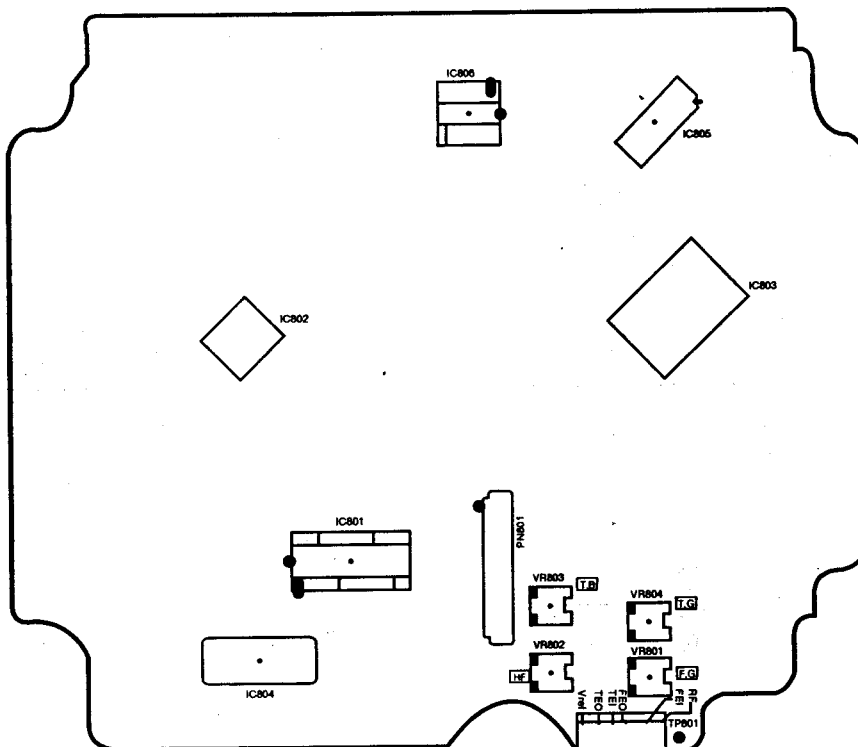


Figure 3. CD P.C. Board

TAPE DECK ADJUSTMENTS

1. AZIMUTH ADJUSTMENT

Deck Mode	Test Tape	Test Point	Adjust for	Adjustment	Remark
Playback	MTT-114	TP401	Head screw	R/L Maximum	Forward : Lefthand side screw Reverse : Righthand side screw

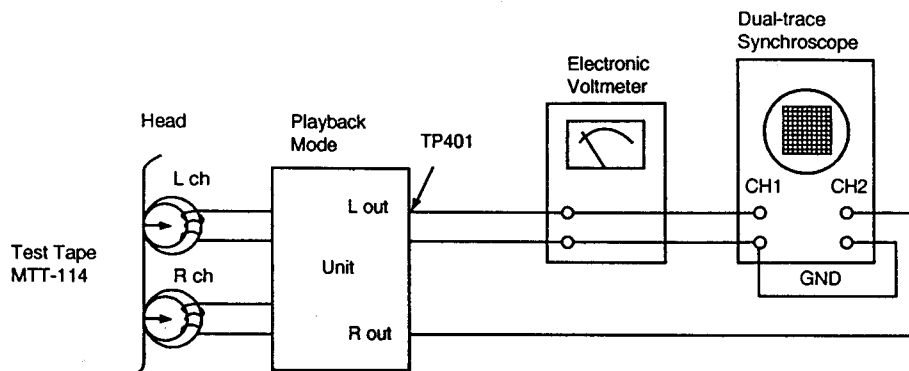


Figure 4. Azimuth Adjustment Connection Diagram

2. MOTOR SPEED ADJUSTMENT

Deck Mode	Test Tape	Test Point	Adjustment	Adjust for	Remark
Playback	MTT-111	TP401	VR497 (on Main PCB)	3kHz $\pm$ 45Hz	After adjusting in forward, confirm the specification in reverse mode.

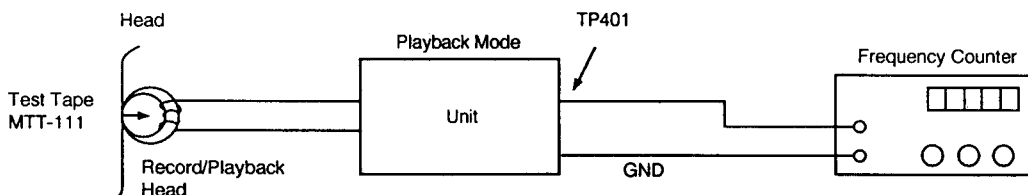


Figure 5. Motor Speed Adjustment Connection Diagram

3. PLAYBACK LEVEL ADJUSTMENT

Deck Mode	Test Tape	Test Point	Adjustment	Adjust for	Remark
Playback	MTT-150	TP401	VR401 VR451	580mV $\pm$ 1dB	After adjusting in forward, confirm the specification in reverse mode.

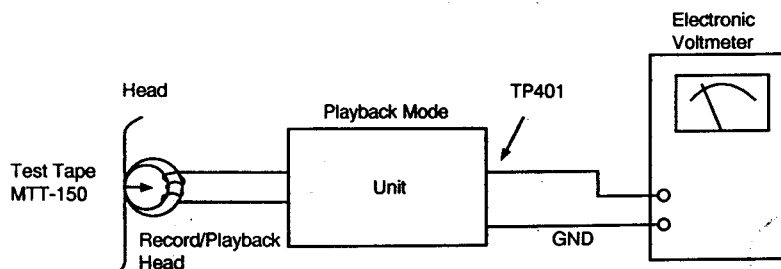


Figure 6. Playback Level Adjustment Connection Diagram

4. RECORD BIAS ADJUSTMENT

Deck Mode	Test Tape	Test Point	Adjustment	Adjust for
Rec/Pause	MTT-5561	Erase head wire	L402	90kHz $\pm$ 5kHz

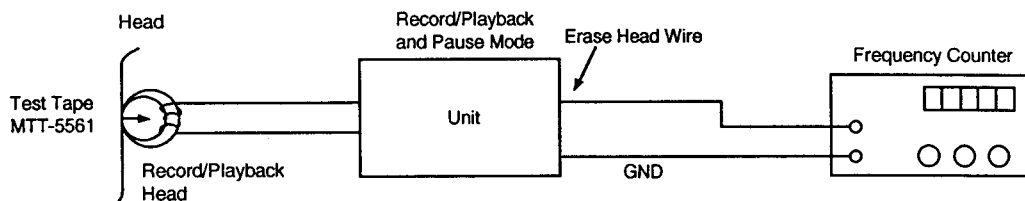


Figure 7. Record Bias Adjustment Connection Diagram

5. BIAS TRAP ADJUSTMENT

Deck Mode	Test Tape	Test Point	Adjustment	Adjust for
Rec/Pause	MTT-5561	C429	L401	Minimum
		C479	L451	

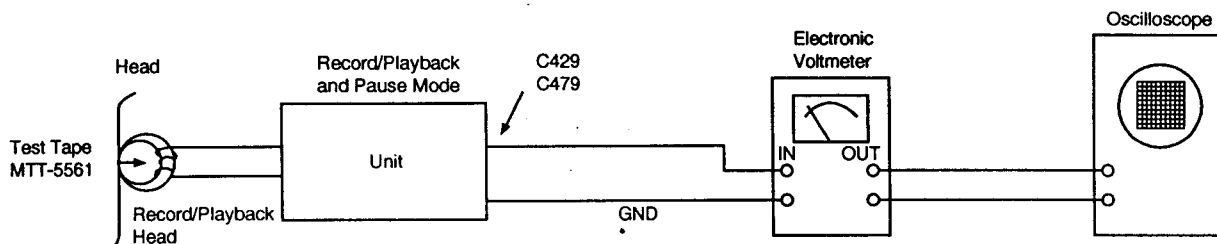


Figure 8. Bias Trap Adjustment Connection Diagram

6. RECORD LEVEL ADJUSTMENT

Deck Mode	Test Tape	Test Point	Adjustment	Input	Adjust for	Remark
R/P→PB	MTT-5511 MTT-5561	TP401	VR402 VR452	200mV (on AUX)	± 0.5 dB	- Dolby OFF - After adjusting in MTT-5511, confirm in MTT-5561.

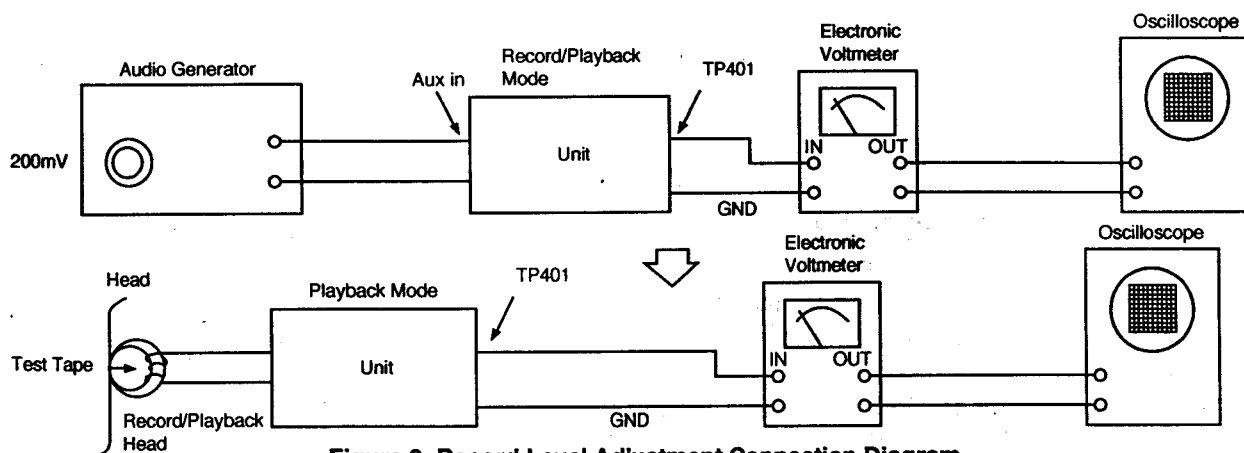


Figure 9. Record Level Adjustment Connection Diagram

7. BIAS ADJUSTMENT

Deck Mode	Test Tape	Test Point	Adjustment	Input	Adjust for	Remark
R/P→PB	MTT-5511 MTT-5561	TP401	VR403 VR453	400mV -25dB (on AUX)	Adjust for the response of 1kHz/ 10kHz flat	After adjusting in MTT-5511, confirm in MTT-5561.

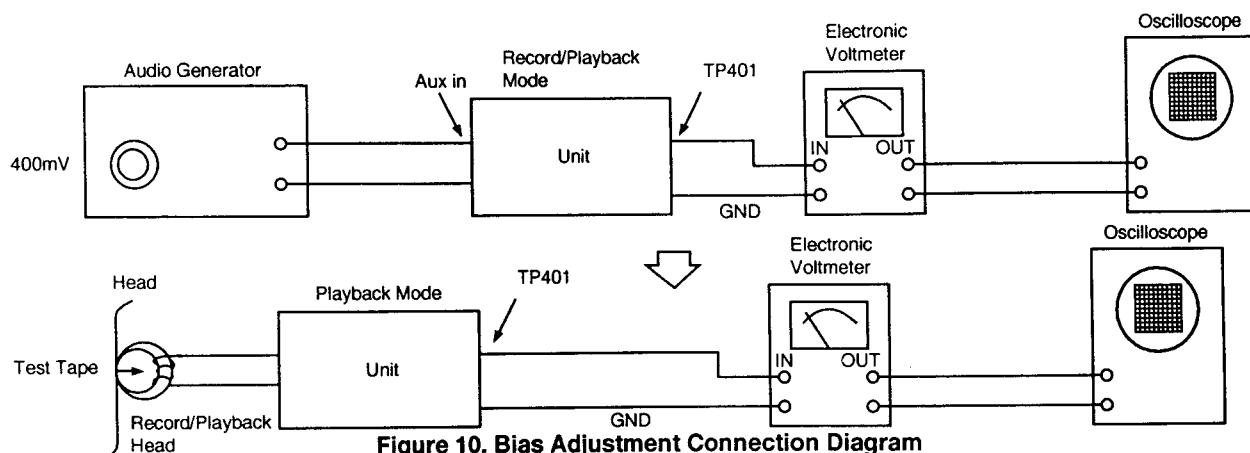


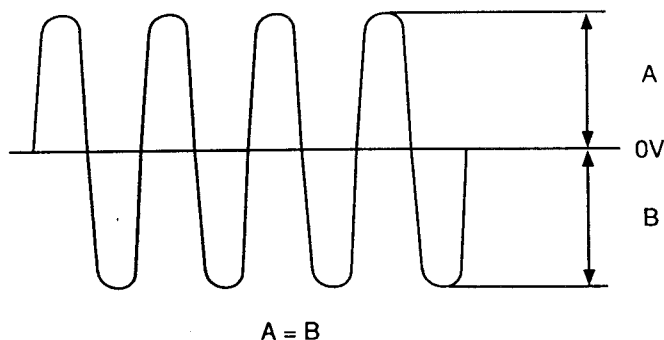
Figure 10. Bias Adjustment Connection Diagram

CDP ADJUSTMENTS

- Before adjusting, preset adjustment potentiometers VR801 (F.G), VR802 (F.O), VR803 (T.B) and VR804 (T.G) center.

2. TRACKING BALANCE ADJUSTMENT

- Connect the oscilloscope to TP801 (TEO) and TP801 (Vref).
- Playback the 12th selection of the test disc (YEDS-18).
- Minimize volume VR804.
- Adjust VR803 so that the amplitude above and below the zero DC line becomes equal (amplitude A=B).
- Preset adjustment potentiometer VR804 center again.



3. FOCUS OFFSET ADJUSTMENT (You have to use 10:1 probe)

- Connect oscilloscope to TP801 (RF, Vref).
- Put a test disc into unit and playback the unit.
- Adjust VR802 so that eye pattern becomes clear and waveform (Vp-p) is maximum.
- Stop mode.
- Connect oscilloscope to TP801 (FEO) and TP801 (Vref).
- Confirm the oscilloscope reading.
 - Less than 200mV ——— OK
 - More than 200mV ——— readjust VR802 200mV.

4. FOCUS, TRACKING GAIN ADJUSTMENT (with Jig)

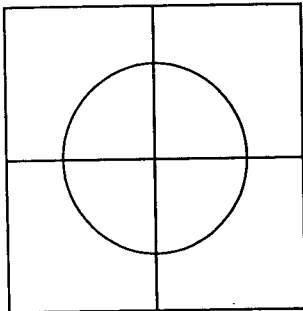
- 1) Connect a gain jig to TP801.
- 2) After setting a frequency of audio frequency OSC to 730Hz and voltage to 5Vrms, connect to gain jig.
- 3) Set the jig with oscilloscope to below.
 - i) TIME/DIV.: X-Y Mode
 - ii) CH1: 10mV/DIV.: AC Mode
 - iii) CH2: 2V/DIV.: AC Mode
- 4) After the test disc (YEDS-18) put unit into play mode on track, adjust like below.

(A) FOCUS GAIN ADJUSTMENT

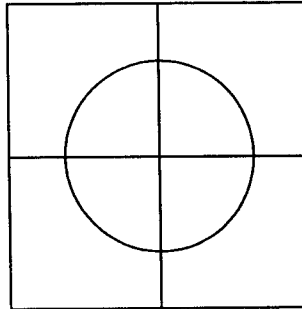
Place SW2 to F, adjust VR801.

(B) TRACKING GAIN ADJUSTMENT

Place SW2 to T, adjust VR804.

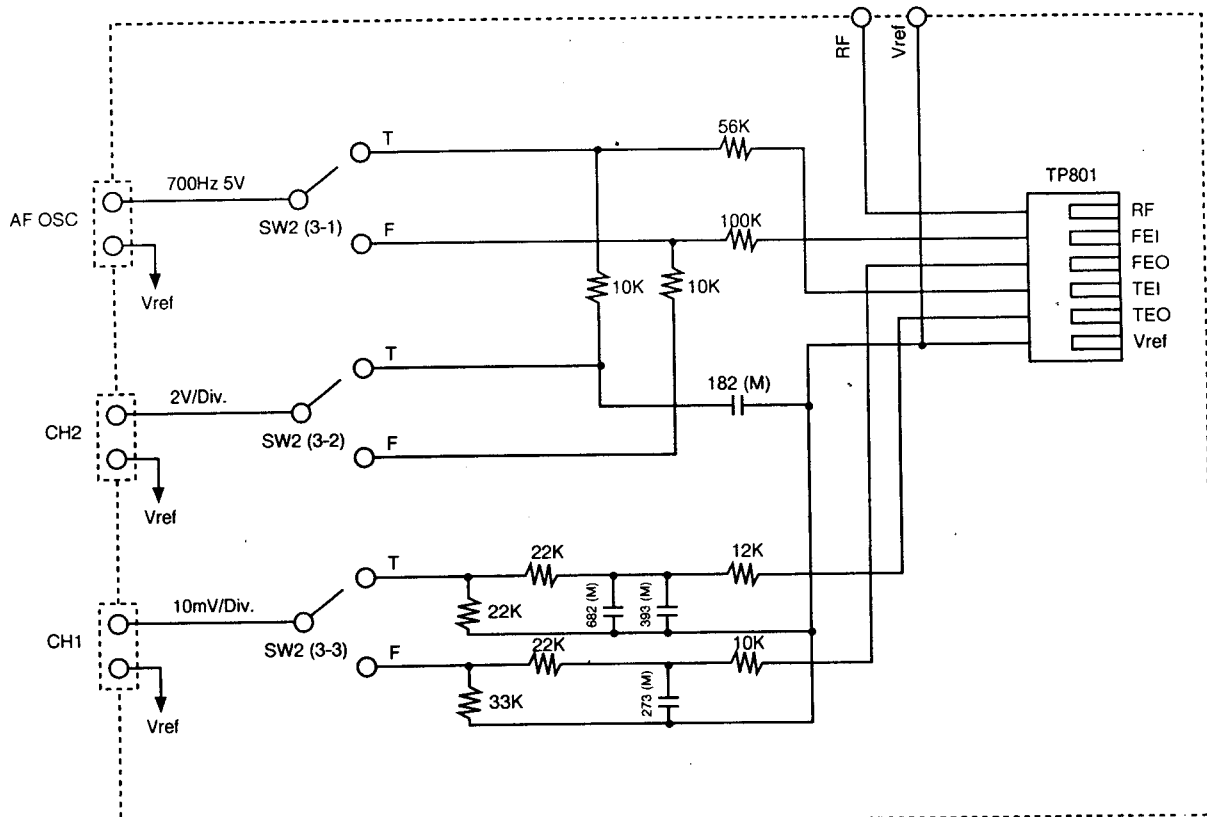


SCOPE waveform



SCOPE waveform

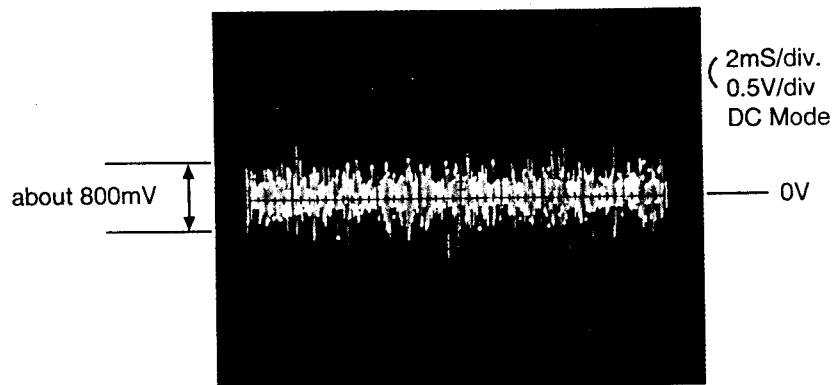
※ FOCUS & TRACKING GAIN ADJUSTMENT JIG



NOTE) This jig is not serviceable part.

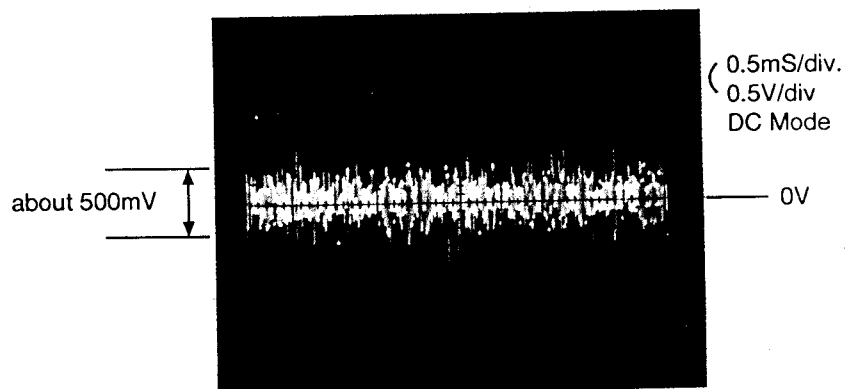
5. FOCUS GAIN ADJUSTMENT (without Jig)

- 1) Connect a oscilloscope to PN801 Pin ⑮ (FAC ⊕) and PN801 Pin ⑱ (FAC ⊖).
- 2) Insert test disc (YEDS-18) and put unit into play mode on track.
- 3) Adjust VR801 so that the waveform on the oscilloscope becomes like below.



6. TRACKING GAIN ADJUSTMENT (without Jig)

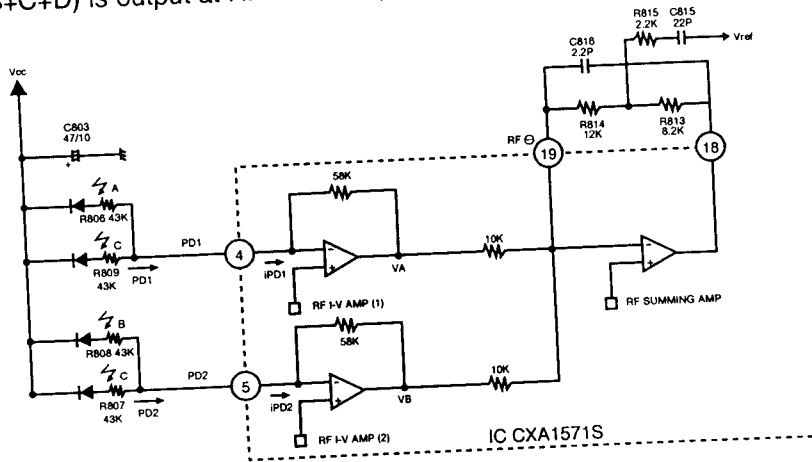
- 1) Connect a oscilloscope to PN801 Pin ⑰ (TAC ⊕) and PN801 Pin ⑲ (TAC ⊖).
- 2) Insert test disc (YEDS-18) and put unit into play mode on track.
- 3) Adjust VR804 so that the waveform on the oscilloscope becomes like below.



DESCRIPTION OF FUNCTIONS

1. RF AMPLIFIER

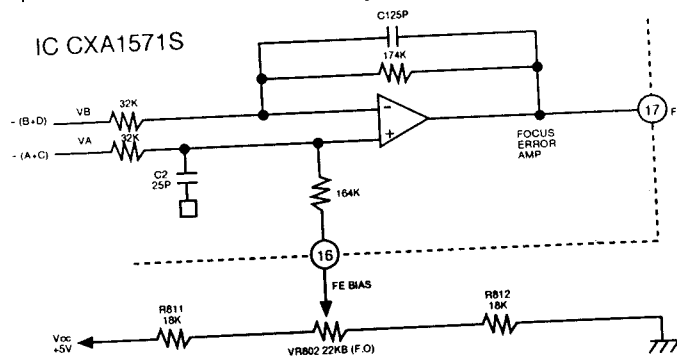
RF 1-V amplifiers (1) and (2) are converted to voltage from the signal current of pin photodiodes connected to PD1 and PD2 through the 58K Ω equivalent resistance. Furthermore, it is added in the RF summing amplifier and (A+B+C+D) is output at RFO. At this pin (RFO), the eye pattern can be checked.



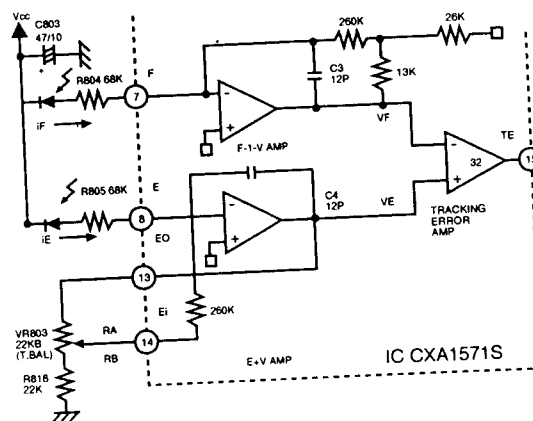
The RF amplifier output voltage (low-frequency) is $V_{RFO} = 2.2 \times (V_A + V_B) = 127.6K \times (i_{PD1} + i_{PD2})$. (at RFO)

2. FOCUS ERROR AMPLIFIER

The Focus Error Amplifier is the difference between RF 1-V amplifier (1) output (A+C) and RF 1-V amplifier (2) output (B+D). The output becomes (A+C-B-D).



3. TRACKING ERROR AMPLIFIER

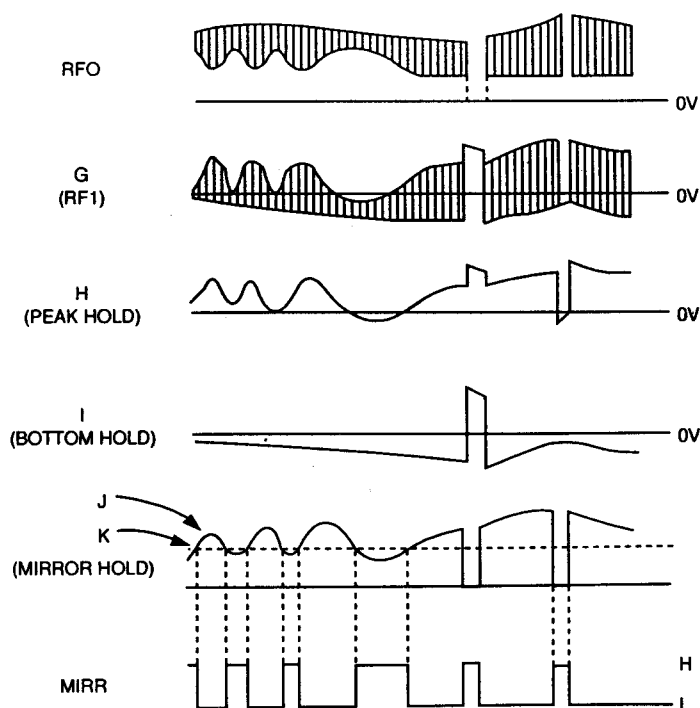
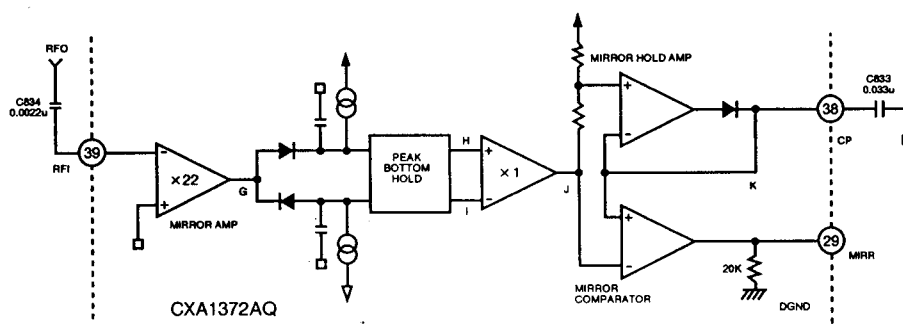


E 1-V amplifier and F1-V amplifier are converted to voltage from the signal current of pin photodiode connected: E and F. The E and F 1-V amplifiers output voltage is,
 $V_F = i_F \times 403K\Omega$, and
 $V_E = i_E \times 260K\Omega \times R_A / (R_B + 22K) + (R_A + 26K)$.
 The tracking error amplifier is the difference between the E 1-V amplifier output and the F 1-V amplifier output, this output is (E-F).
 $V_{TE} = (V_E - V_F) \times 3.2$
 $= (i_E - i_F) \times 1290\Omega$

4. MIRROR CIRCUIT

This circuit, after amplifying the RFI signal, holds its bottom and peak. The peak hold is done with a time constant able to track down a 30kHz traverse and the bottom hold. This is done with a time constant able to track down envelope fluctuations in the revolving cycle.

With the differential amplification of these peak and bottom hold signals, H and I, the envelope signal J (demodulated to DC) is obtained. Two-thirds of the peak value of the signal J is held with a large time constant for the signal K. When K is compared with J, a mirror output is obtained. That is, the mirror output gives "L" on the disc track, "H" between tracks (mirror section) and also "H" in the defect detection. The time constant for the mirror hold must be sufficiently larger than that of the traverse signal.

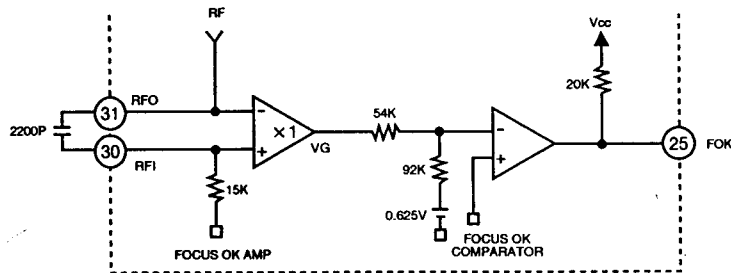


5. FOCUS OK CIRCUIT

The focus OK circuit generates a timing window to look on the focus servo from a focus search status. Pin 31 will get the HPF (High Pass Filter) output from an RF signal from Pin 30 the LPF (Low Pass Filter) output (opposite phase) for the focus OK amplifier output.

The focus OK amplifier output is inverted when $V_{RFI} - V_{RFO} \approx 0.37V$.

C834 is for determining the time constant of HPF in the EFM comparator and mirror circuits as well as LPF in the focus OK amplifier. When $0.0022\mu F$ is selected for C834, f_c (cut-off frequency) = 1kHz, prevents the block error rate from degenerating as a damaged RF envelope result, from the scratched disc, etc.

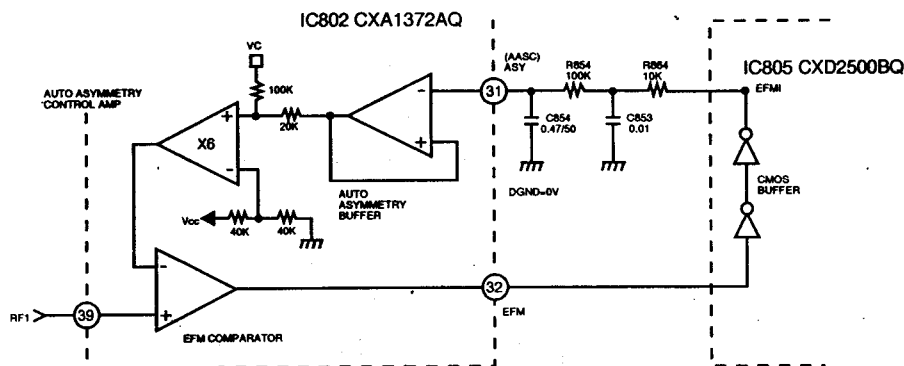


6. EFM COMPARATOR

The EFM comparator changes RF signal into a binary value. As the asymmetry generated due to variations in disc manufacturing cannot be eliminated by the AC coupling alone, the reference voltage of EFM comparator is controlled utilizing the fact generation probability of 1, 0, is 50% each in the binary EFM signals.

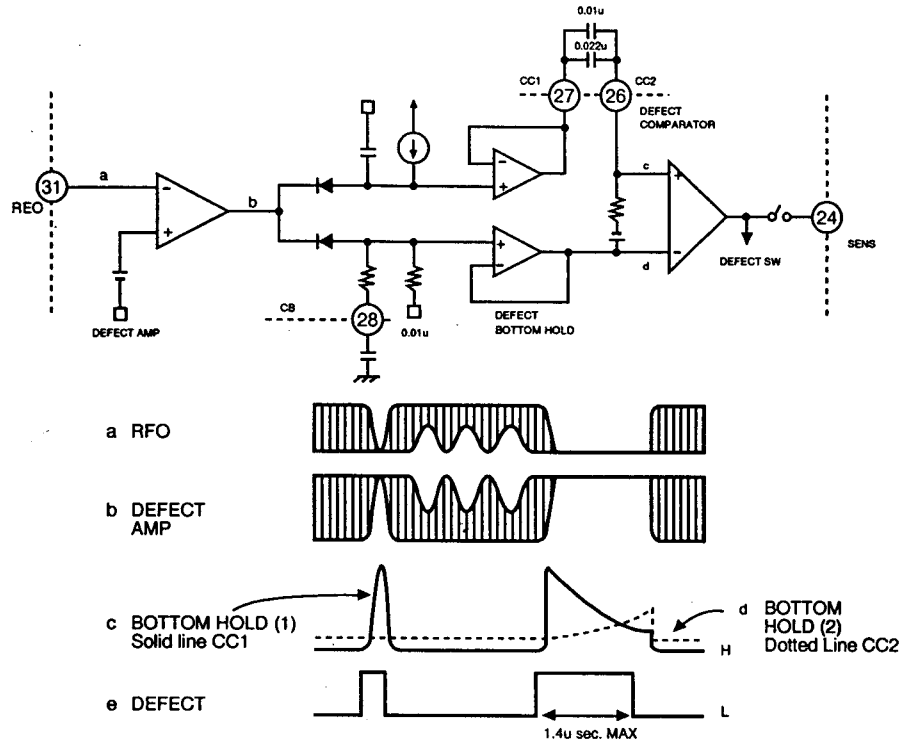
As this comparator is current SW type, each of the H and L levels does not equal the power supply voltage, requiring feedback through a CMOS buffer.

R854, R864, C854 and C853 from a LPF to obtain $(V_{cc} + DGND)/2V$, when f_c (out-off frequency) is made more than 500Hz, the EFM low-frequency component leaks dably, degenerating the block error rate.



7. DEFECT CIRCUIT

The RFI signal bottom, after being inverted, is held with two time constants, one long and one short. The short time-constant bottom hold is done for a disc mirror defect more than 0.1m sec. The long time-constant bottom hold is done with the mirror level prior to the detect. By differentiating this with a capacitor coupling and shifting the level, both signals are compared to generated the mirror detect detection signal.



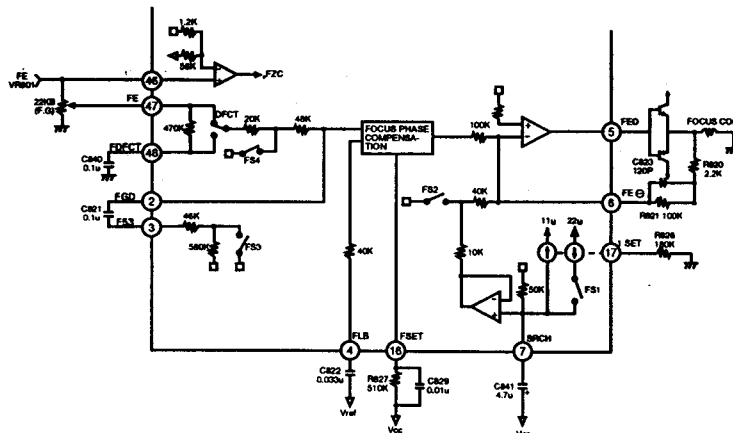
8. FOCUS SERVO SYSTEM

The below is a block diagram of the focus servo system. When FS3 is switched on, the high frequency gain can be reduced by forming a low frequency time constant through a capacitor connected across pins 2 and 3 and the internal resistor.

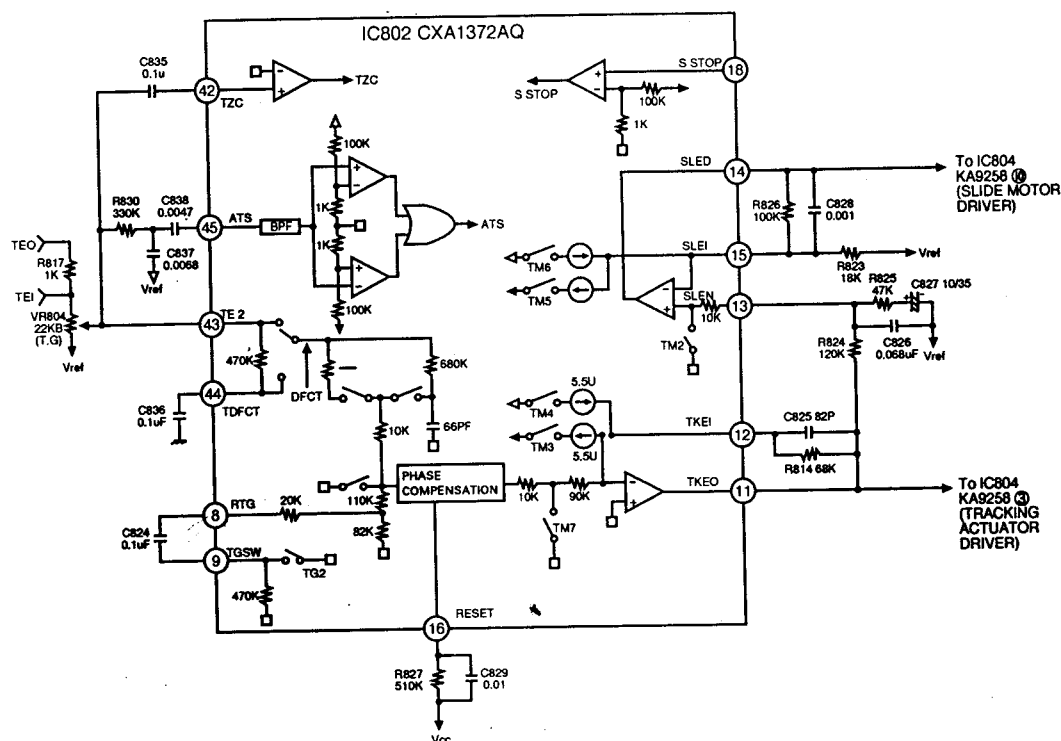
The capacitor across the pin 4 and GND has a time constant to raise the low frequency usually playback condition. The peak frequency of the focus phase compensation is inversely proportional to the resistor connected to pin 20 (about 1.2kHz when the resistor is 470K Ω).

The focus search peak becomes about $\pm 1.1V_{p-p}$ with the above constant. The peak is inversely proportional to the resistor connected across the pins 6 and 17. However, When this resistor is varied, the peaks of track jump and sled kick also vary.

The FZC comparator invert inout is set to 2% of the difference between the reference voltage V_{cc} and V_C (Pin 7) : $2\% \times (V_{cc} - V_C)$.



9. TRACKING SERVO SYSTEM



The above is a block diagram of the tracking sled servo system.

The capacitor across pins 8 and 9 has a time constant to lower the high frequency when TG2 is switched off. The tracking phase compensation peak frequency is inversely proportional to the resistor connected to pin 16 (about 1.2kHz when the resistor is 470K Ω).

For a tracking jump in the FWD or REV direction, TM3 and TM4 are set to ON. At this time, the peak voltage fed to the tracking coil is determined by the TM3 and TM4 current values and the feedback resistor from pin 12. That is:

$$\text{Track jump peak voltage} = \text{TM3 (TM4) current value} \times \text{feedback resistor value}$$

The FED or REV sled kick is done by setting TM5 or TM6 to ON. At this time, the peak voltages added to the sled motor is determined by the TM5 or TM6 current value and the feedback resistor from pin 15.

$$\text{Sled jump peak voltage} = \text{TM5 (TM6) current value} \times \text{feedback resistor value}$$

Each SW current value is determined by the resistor connected to pins 17 and GND
When The resistor is at about 120K Ω .

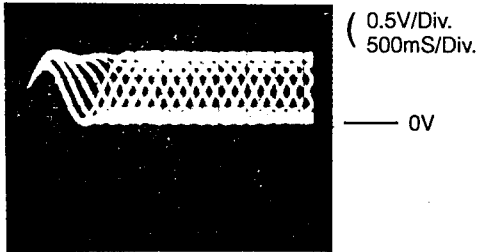
TM3 or TM4 is $\pm 11\mu\text{A}$ and TM5 or TM6 is $22\mu\text{A}$.

This current value is almost inversely proportional to the resistor, variable within a range of about 5 to 40 μA for TM3.

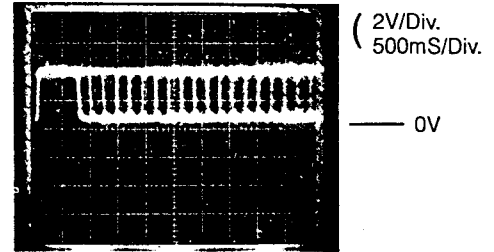
S STOP is the ON/OFF detection signal for the limit SW of the sled motor's innermost circumference.

WAVEFORMS OF MAJOR CHECK POINT

1. HF signal (RF signal) waveform (Test Point TP801) during normal play.

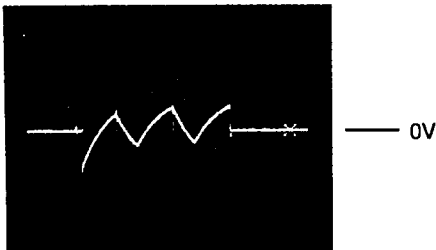


2. EFM signal (pin NO. 32 of IC802) waveform during normal play.

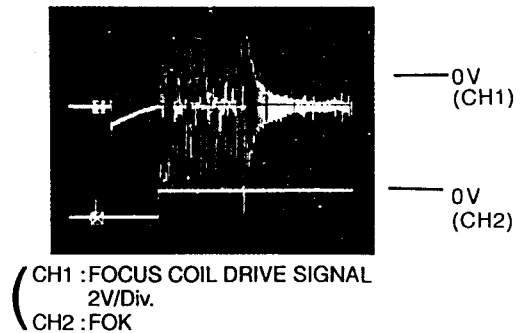


3. Focus Coil Drive Waveform (pin NO. 26, 27 of IC804)

- When focus search failed or there is no disc on the tray.

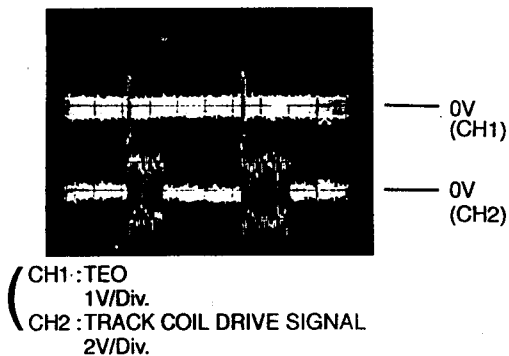


- Focus coil drive waveform (pin NO. 26, 27 of IC804) and FOK (pin NO. 33 of IC802) When focus search is accomplished.

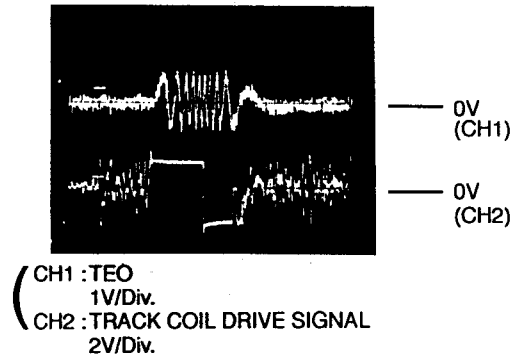


4. Tracking coil drive waveform (pin NO. 3 of IC804) and TEO during Track traverse

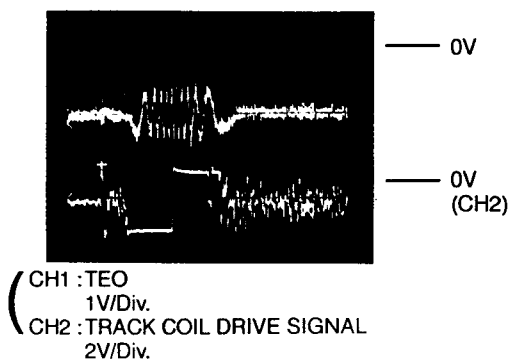
- (1) When time division is 20mS/Div.



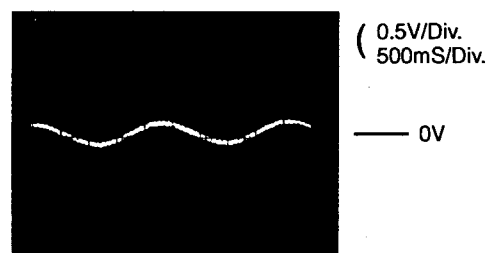
- (2) When time division is 0.5mS/Div. (During forward track traverse)



- (3) When time division is 0.5mS/Div. (During backward track traverse)

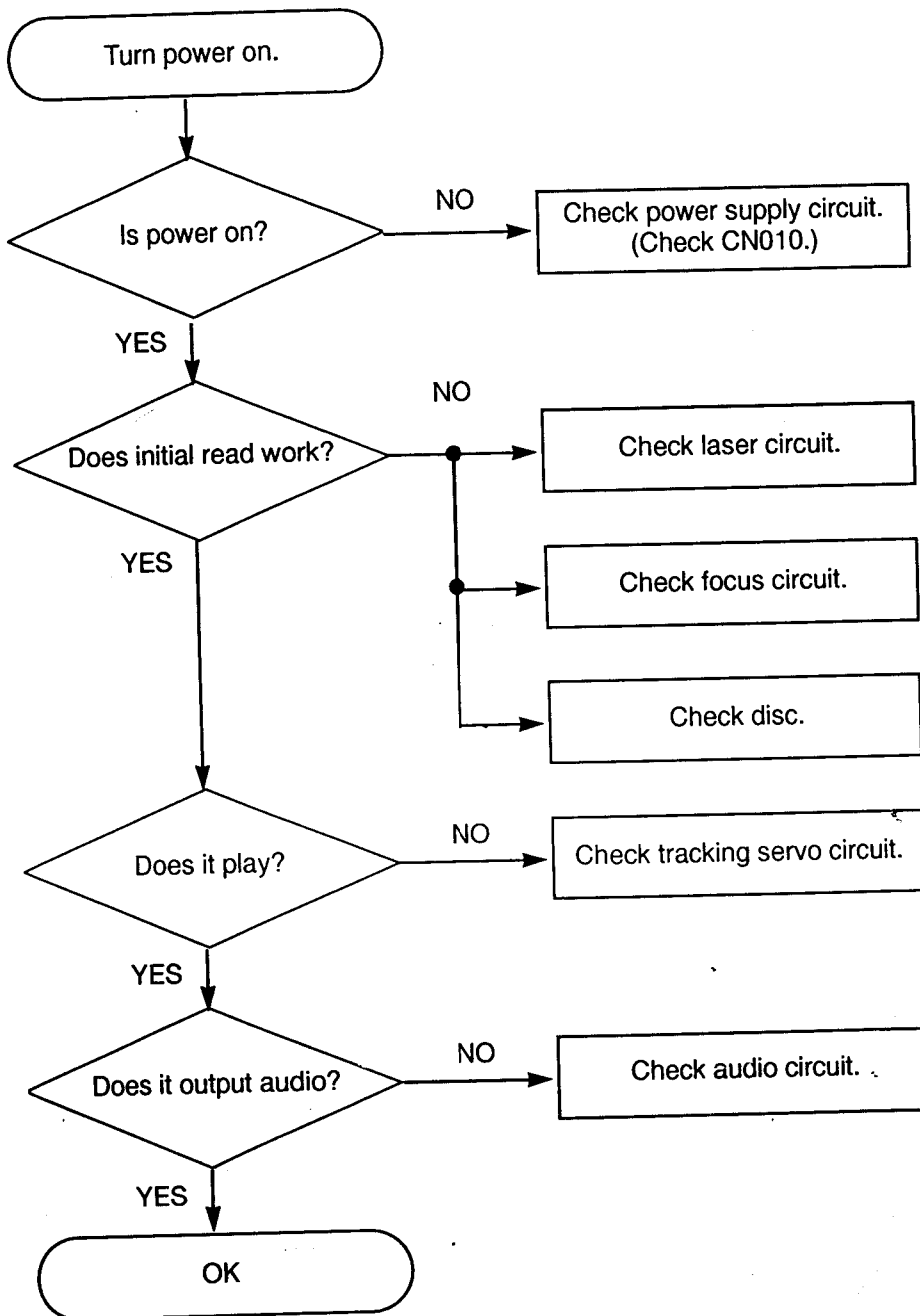


5. Feed motor drive waveform (pin NO. 10 of IC804) During normal play.

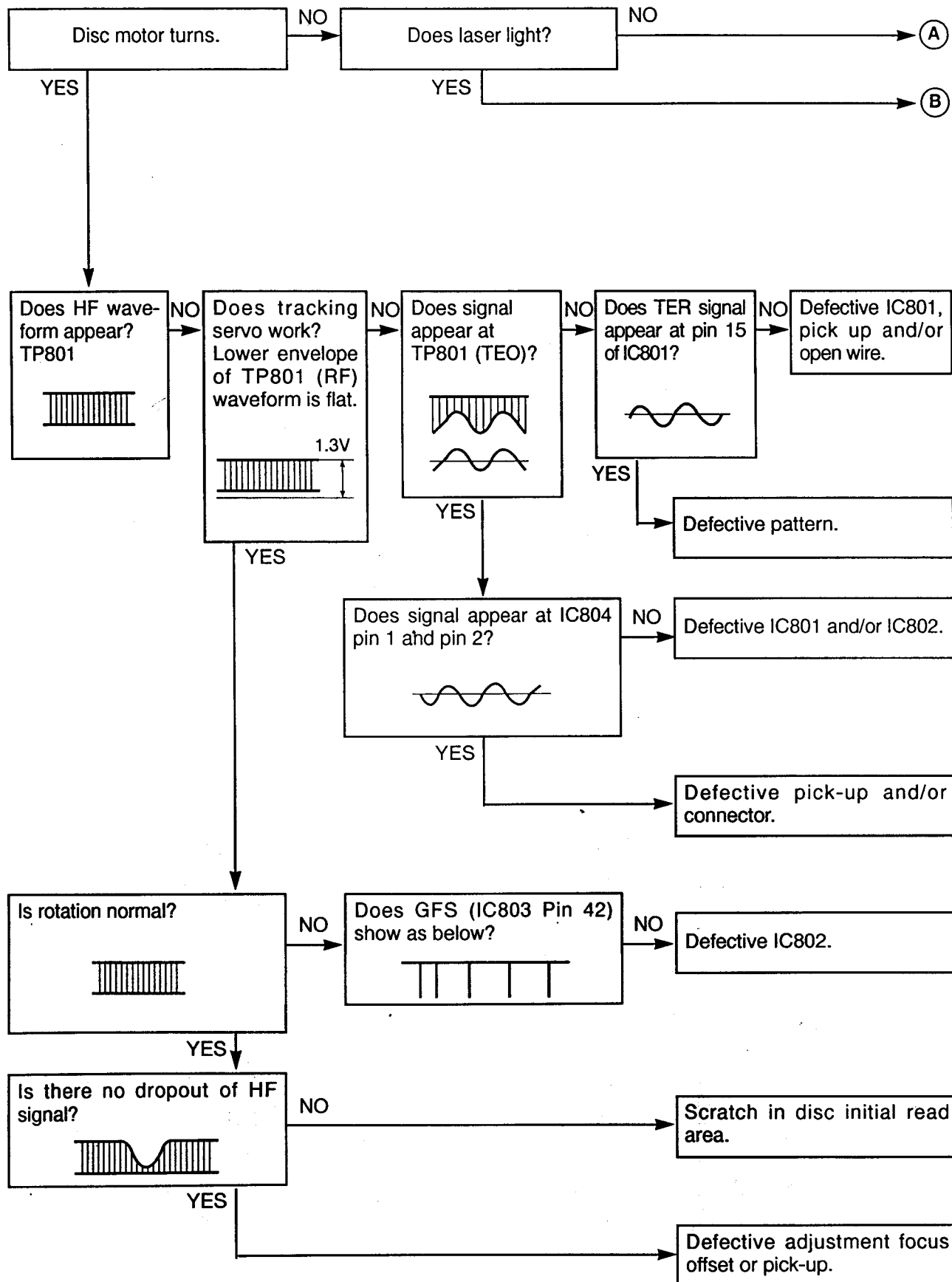


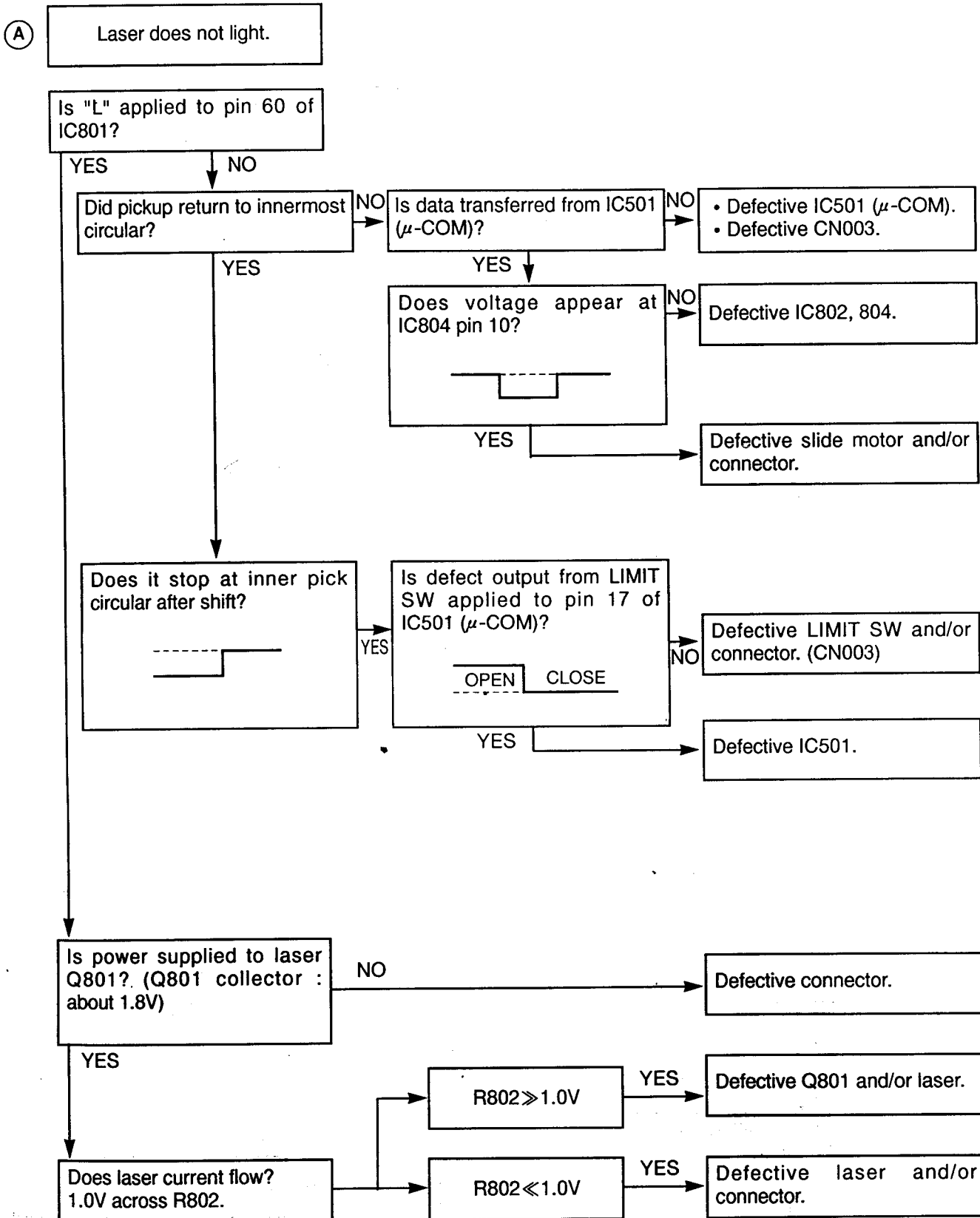
TROUBLESHOOTING

■ CD PART

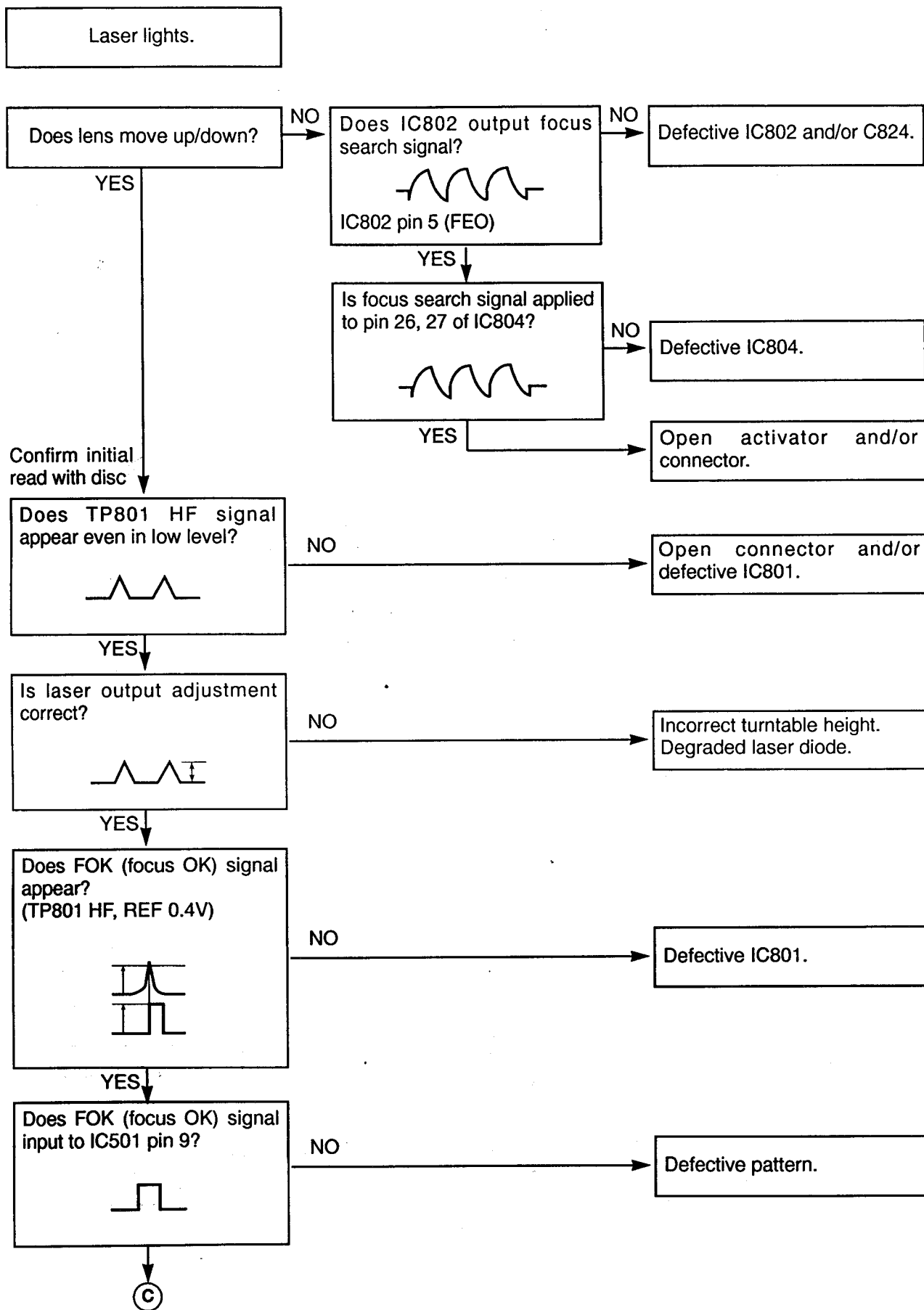


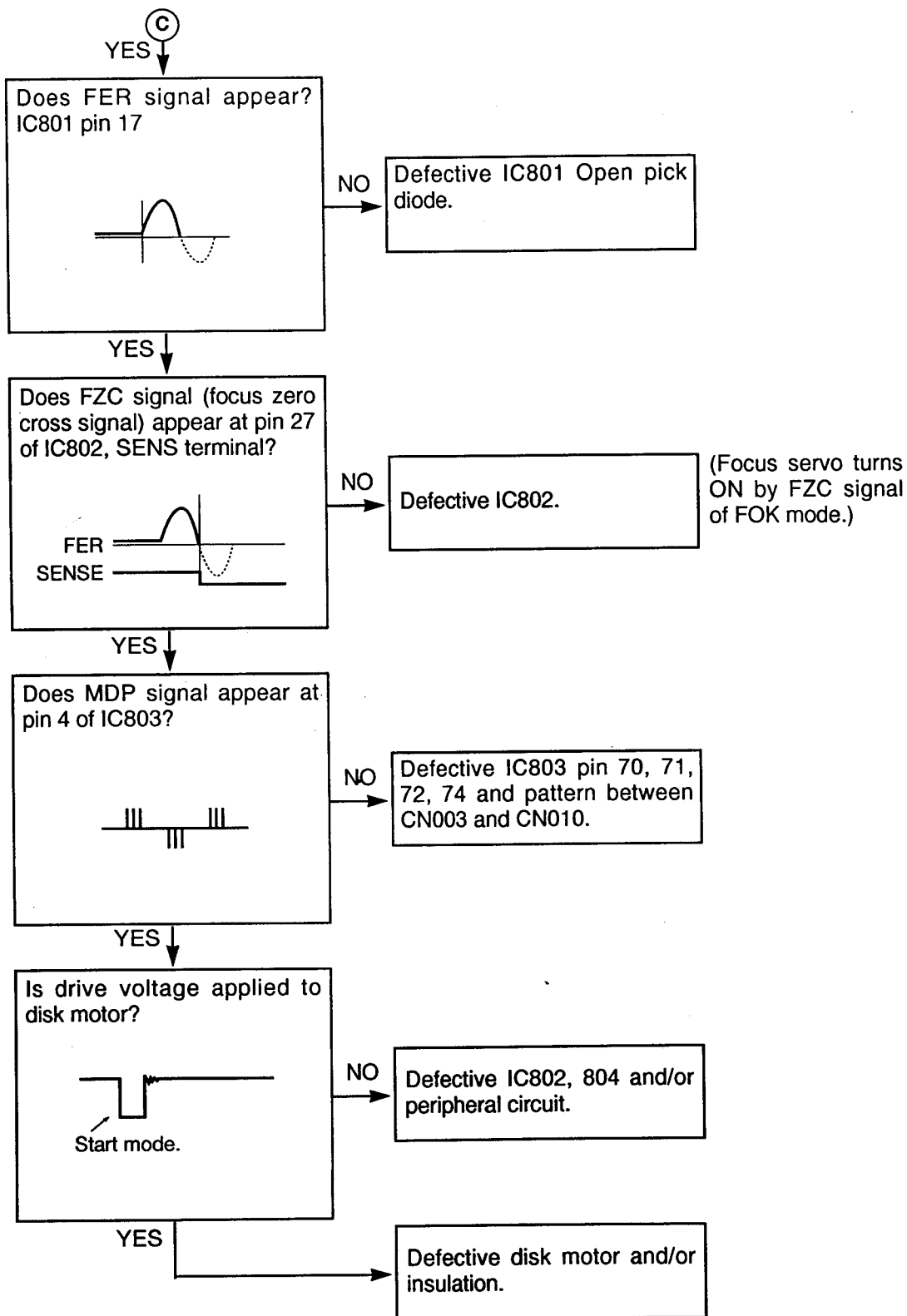
Fails to initial read



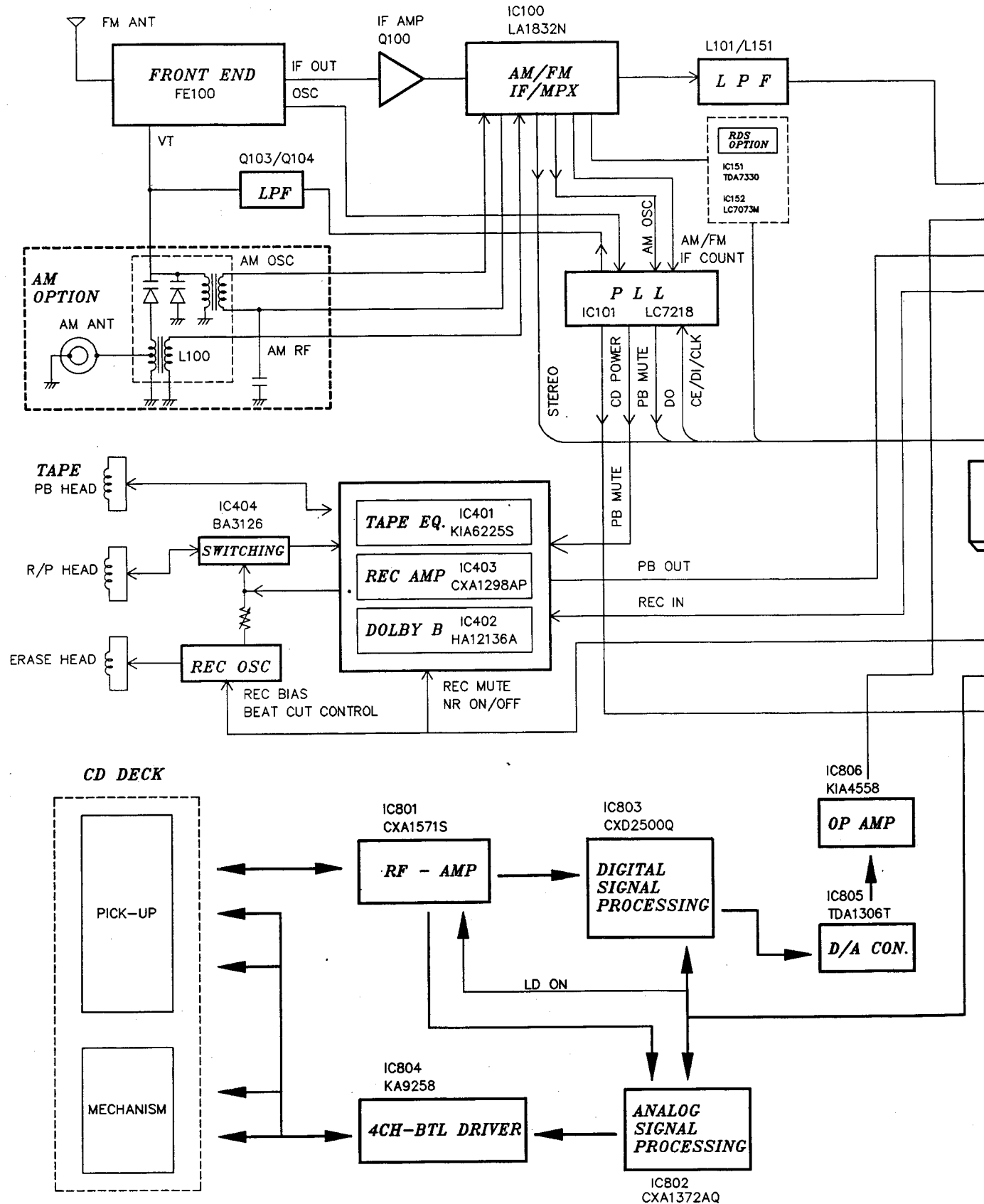


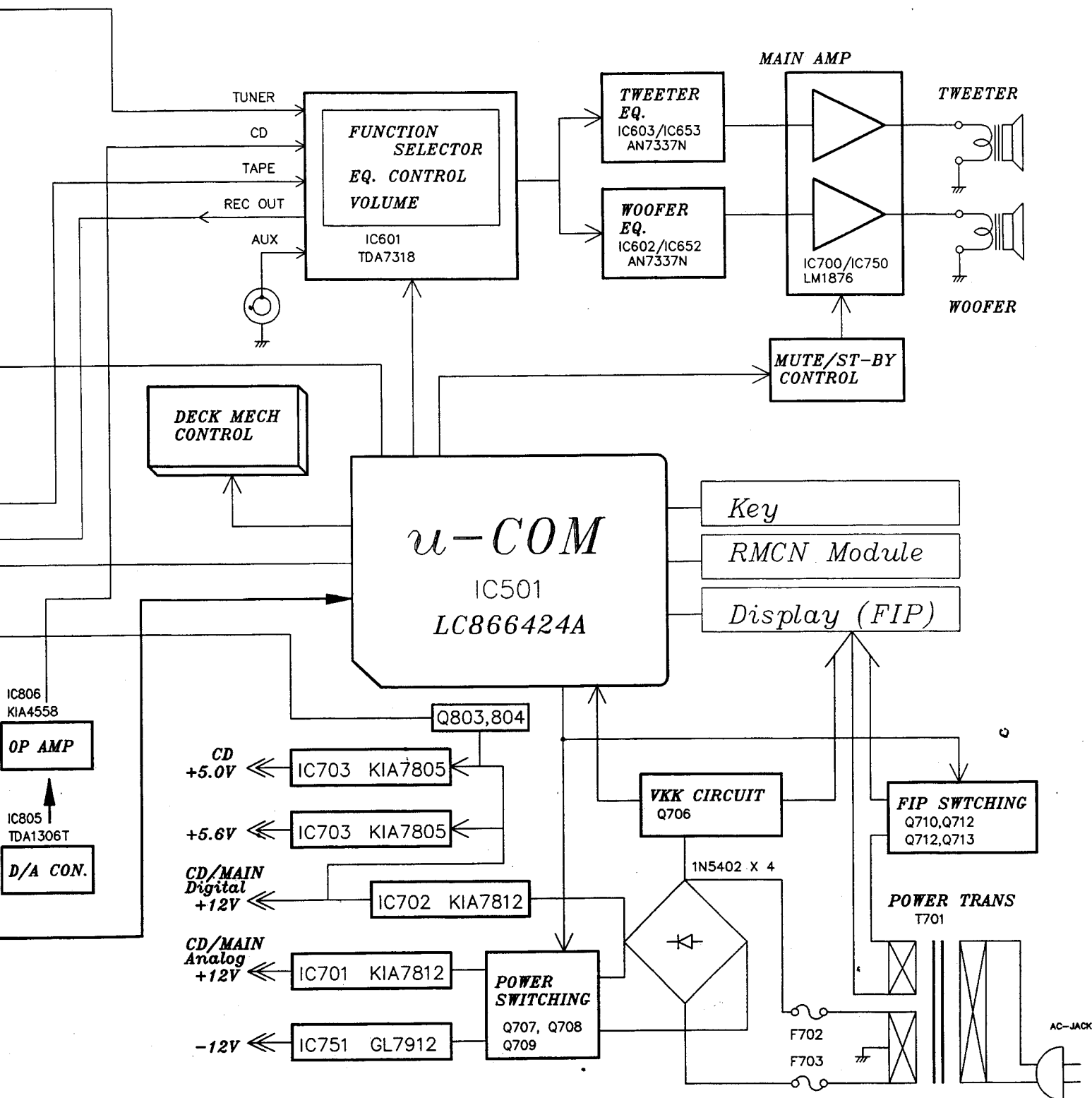
(B)



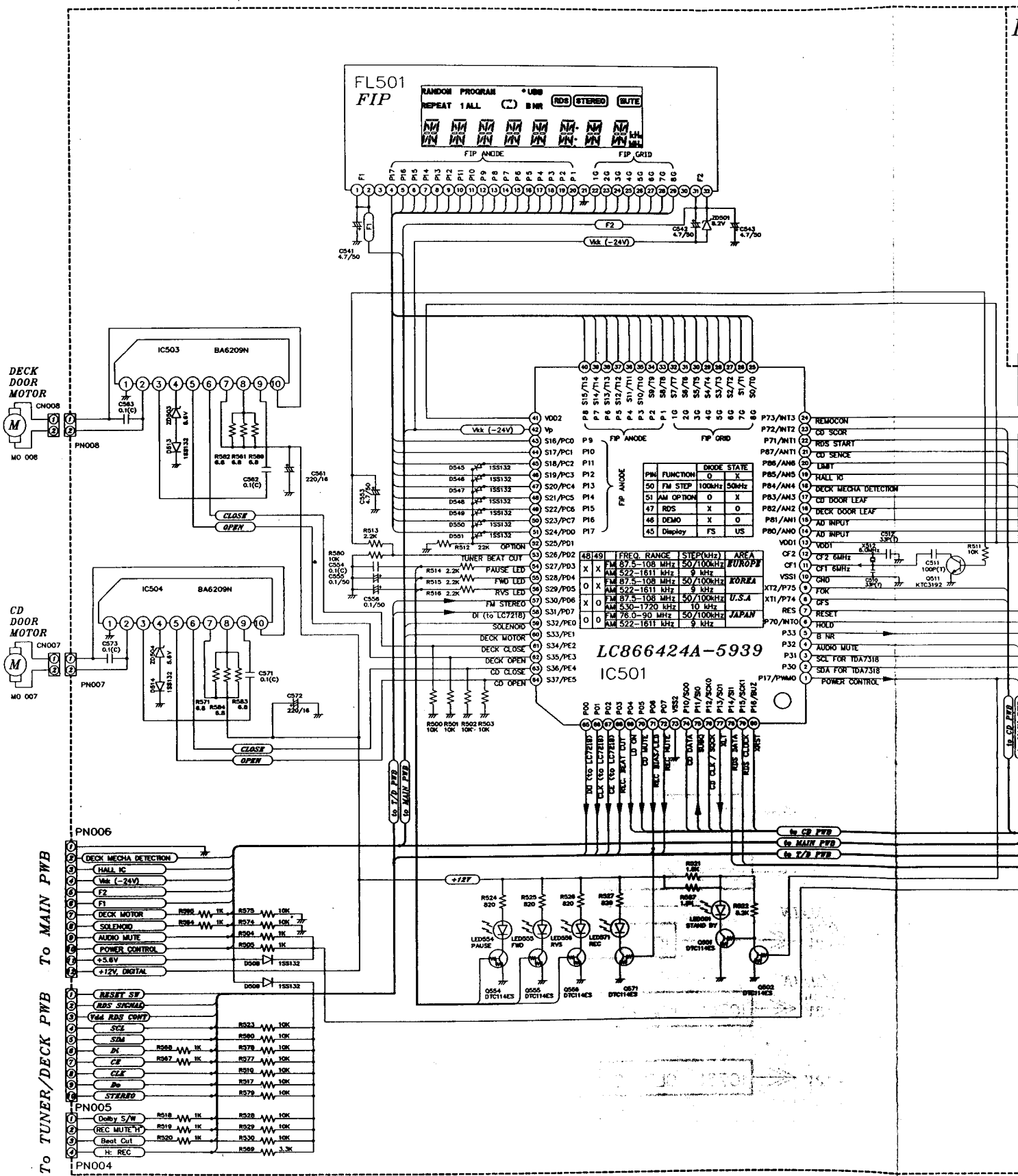


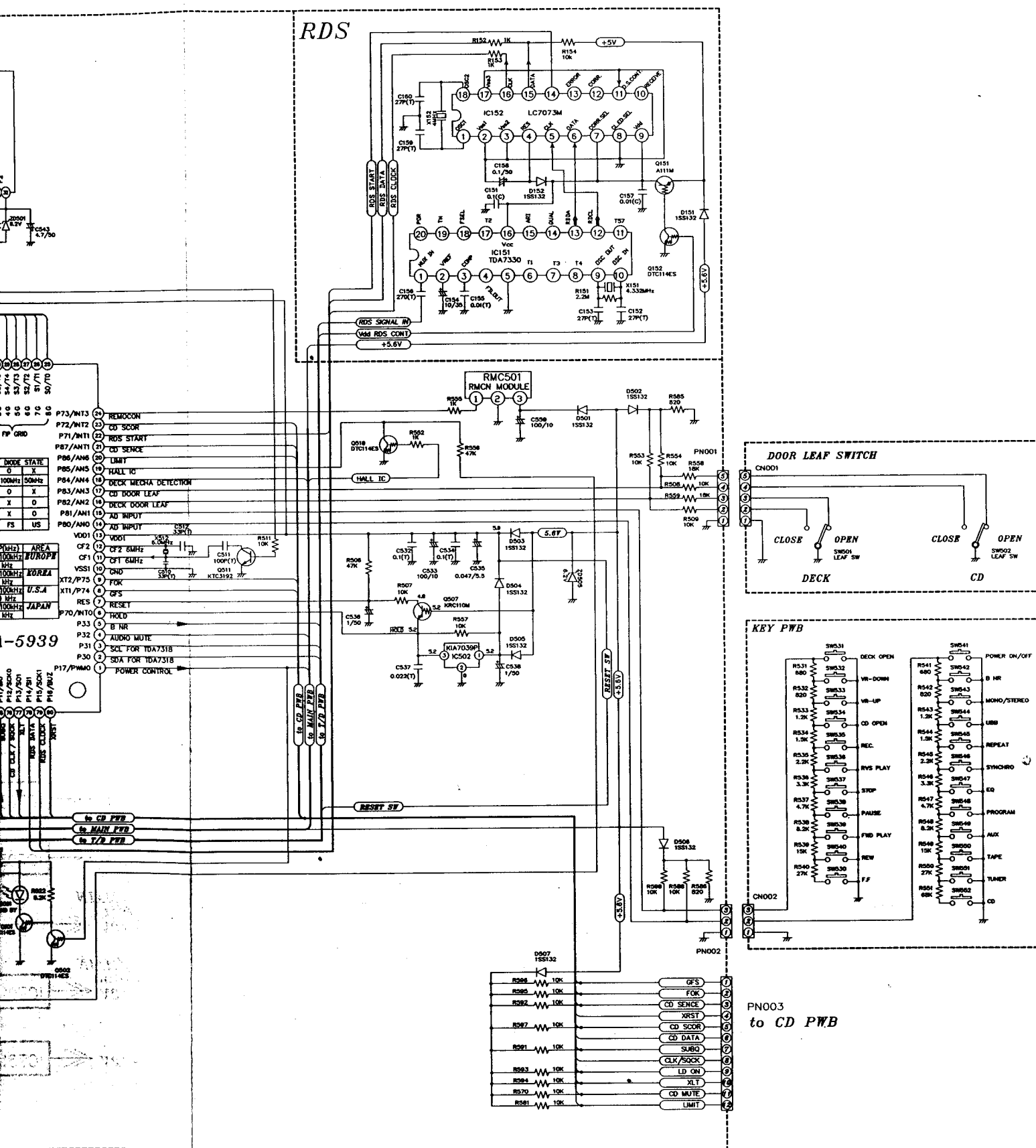
BLOCK DIAGRAM



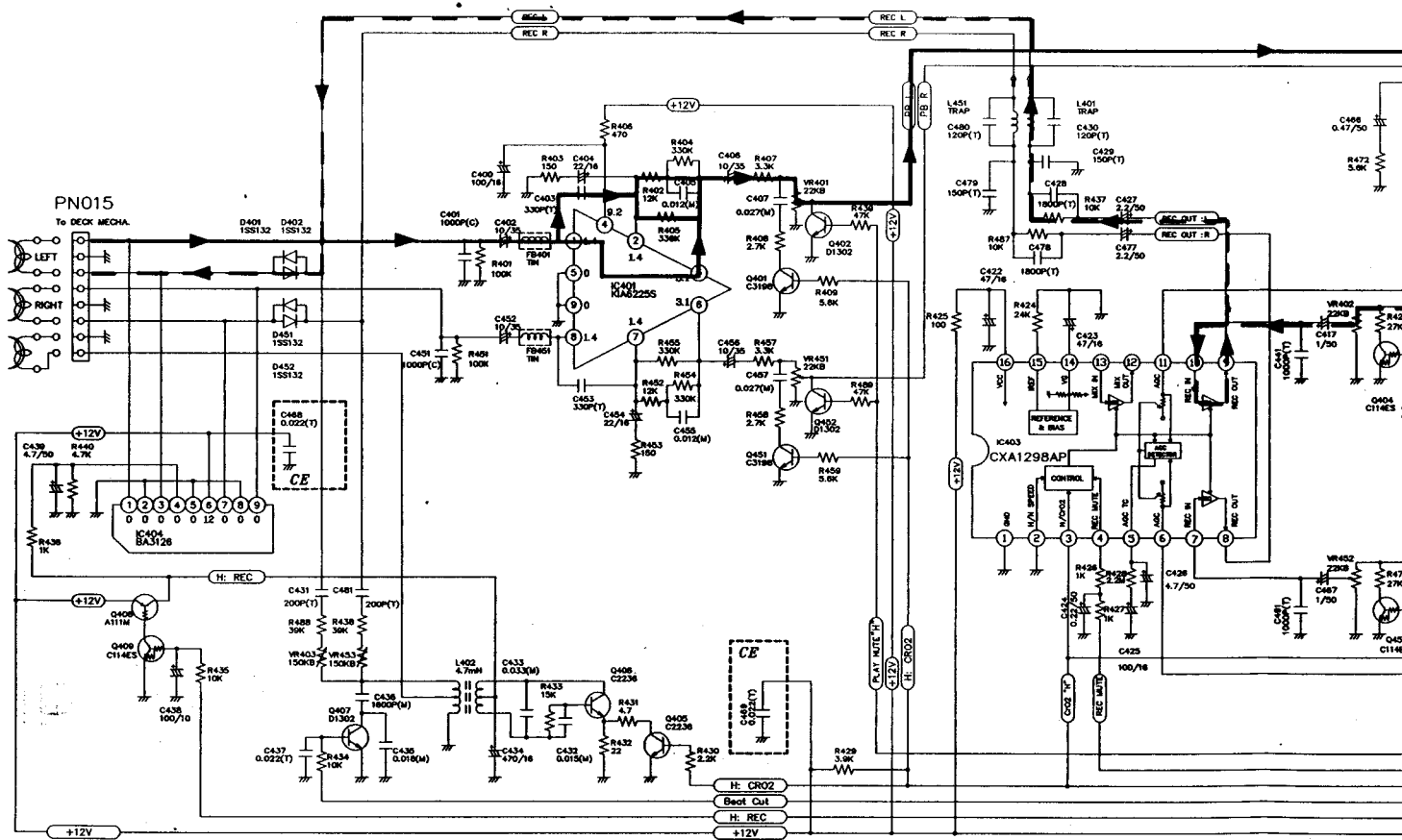
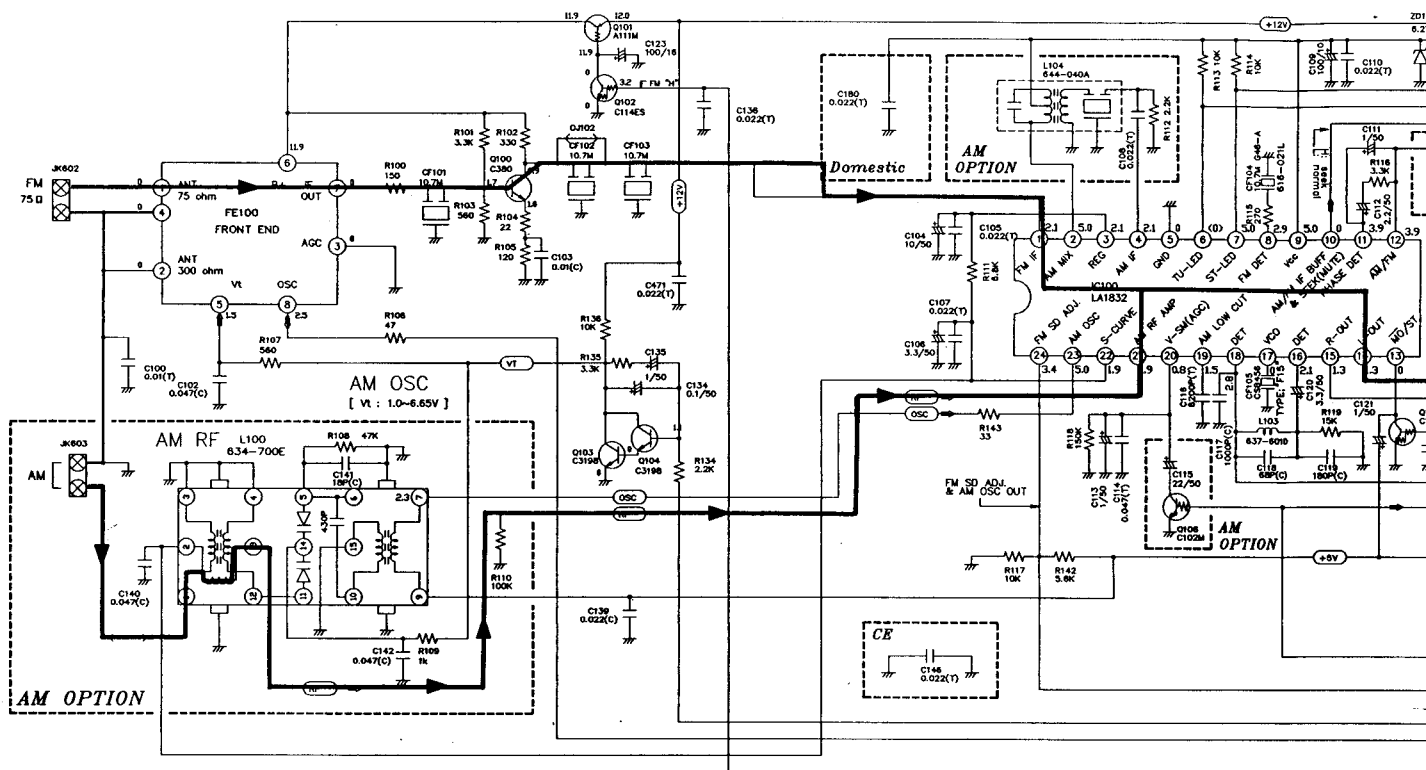


SCHEMATIC DIAGRAMS
● FRONT CIRCUIT





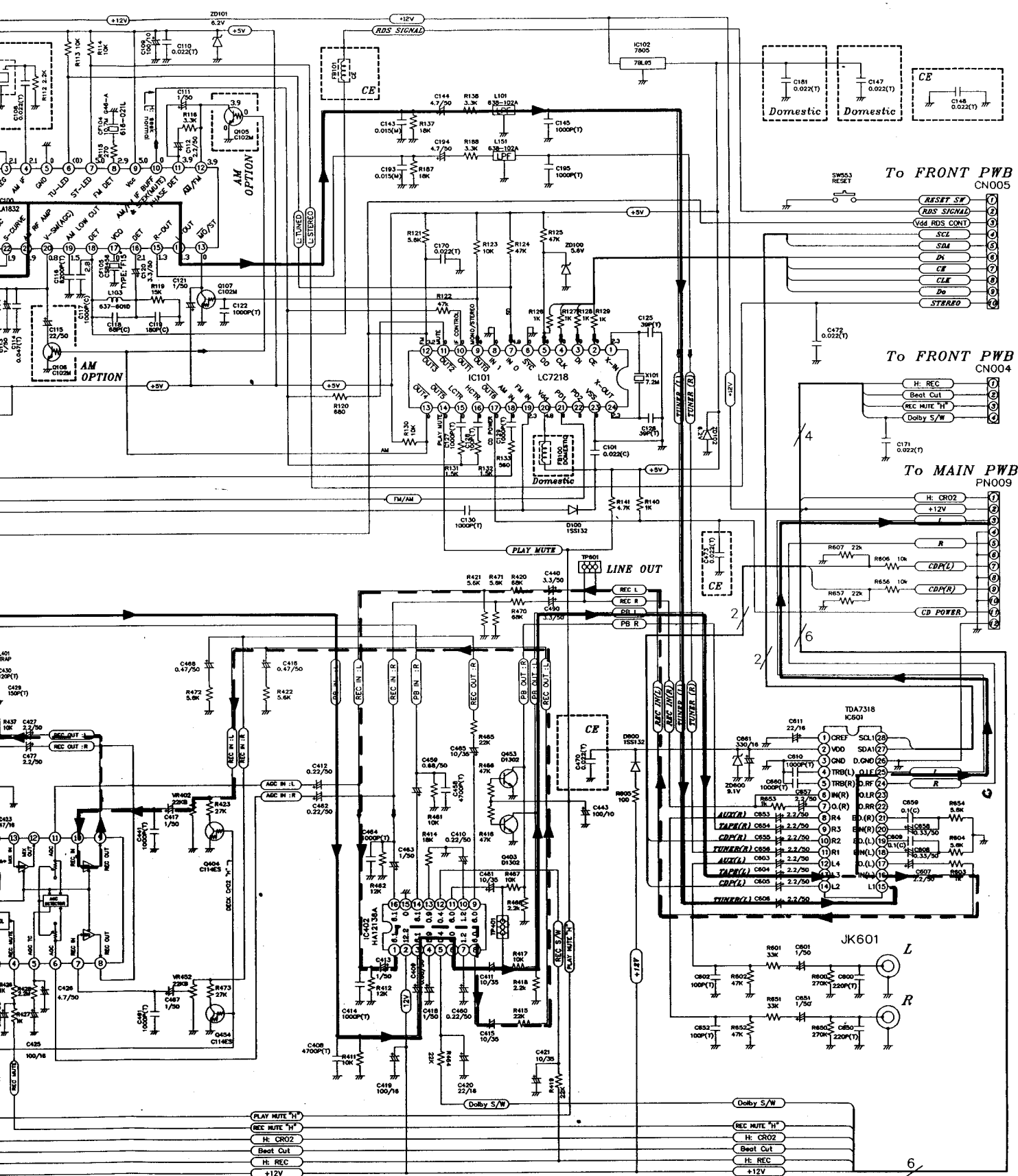
● TUNER & DECK CIRCUIT



TUNER
SIGNAL

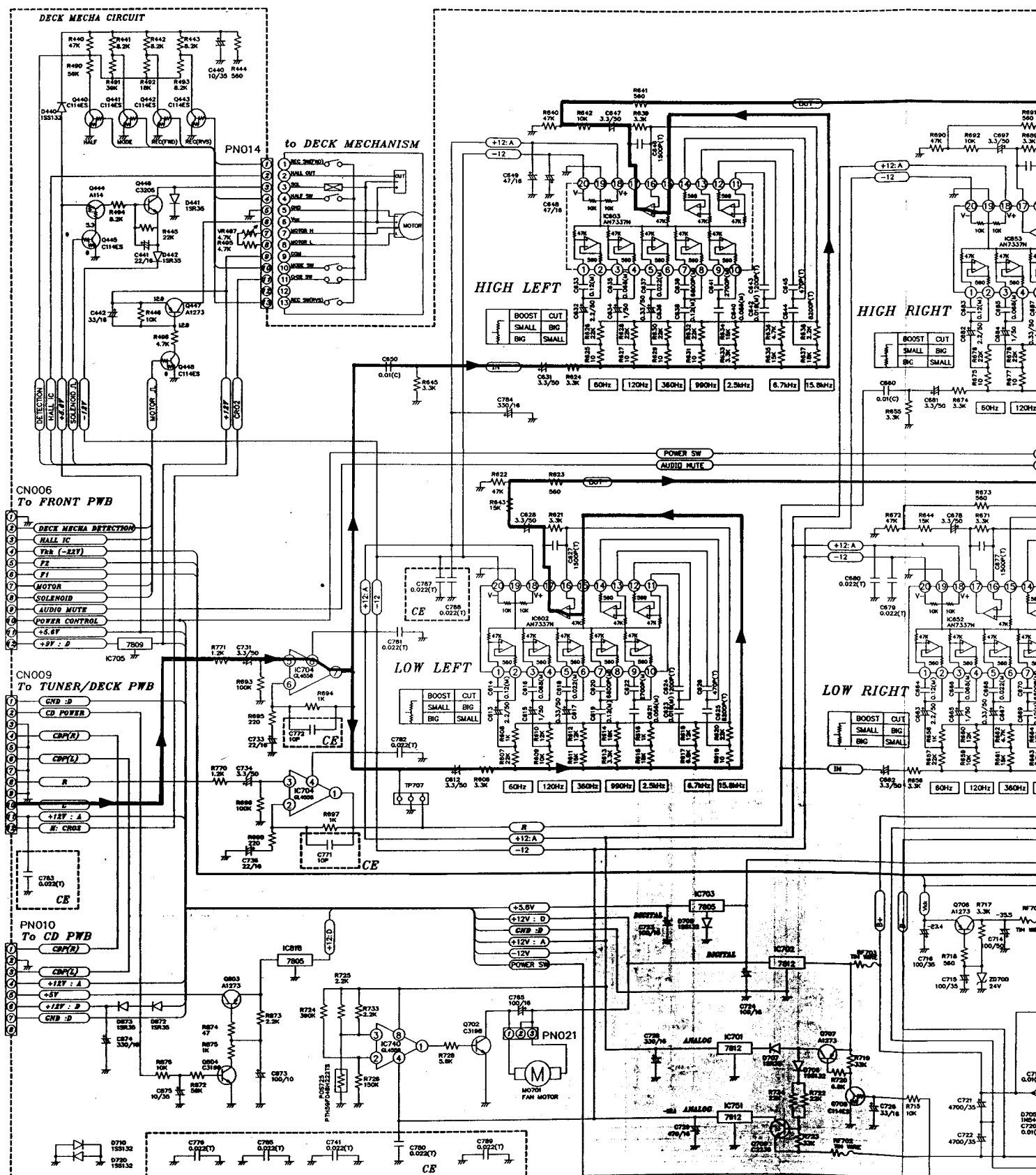
TAPE PLAY
SIGNAL

TAPE RECORD
SIGNAL

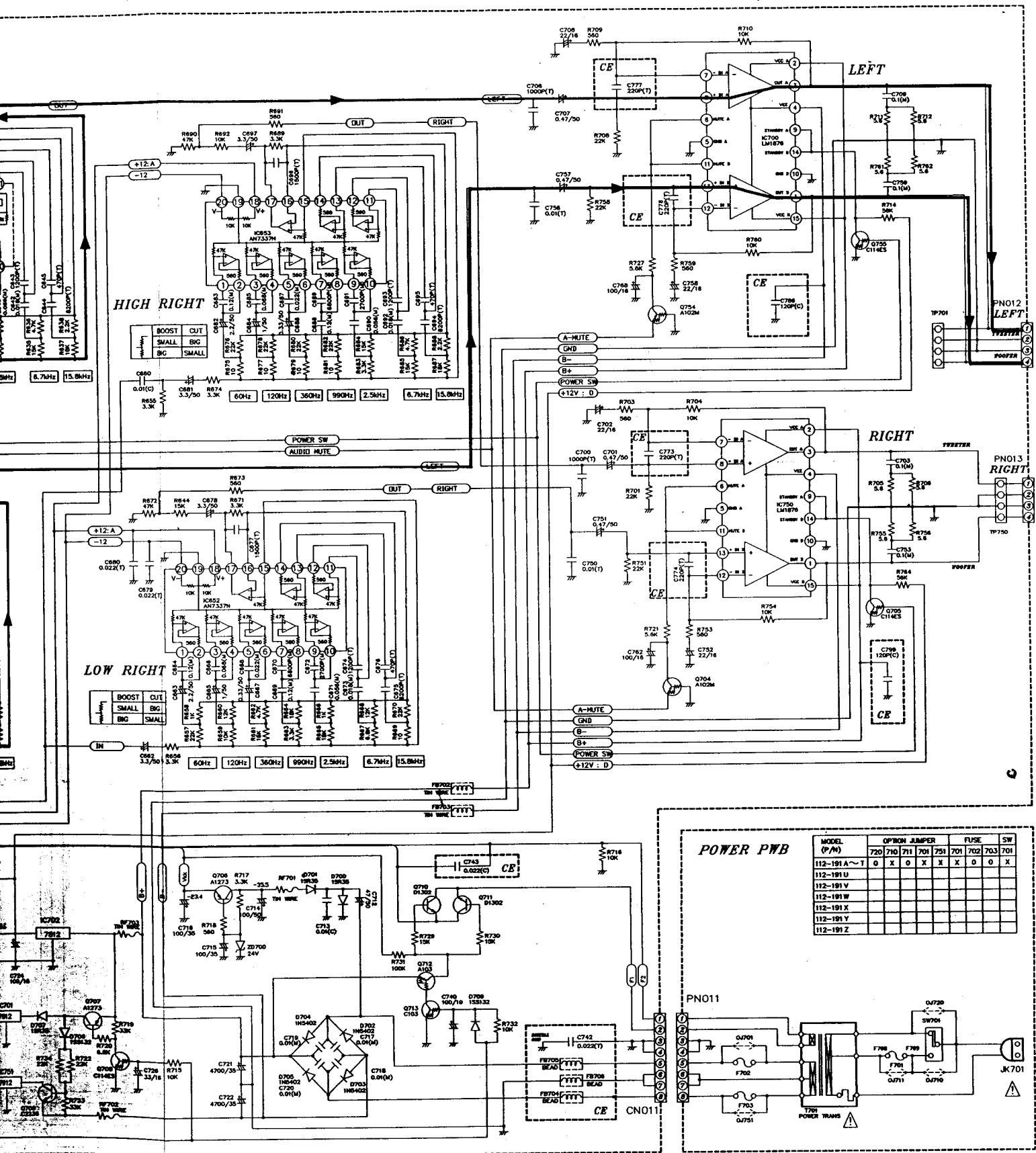


- NOTES : 1. Resistance values are indicated in ohms unless otherwise specified (K=1,000, M=1,000,000).
 2. Capacitance values are shown in microfarads unless otherwise (P=MICRO-MICRO FARADS).
 3. Schematic diagram for this model are subject to change for improvement without prior notice.

● MAIN CIRCUIT

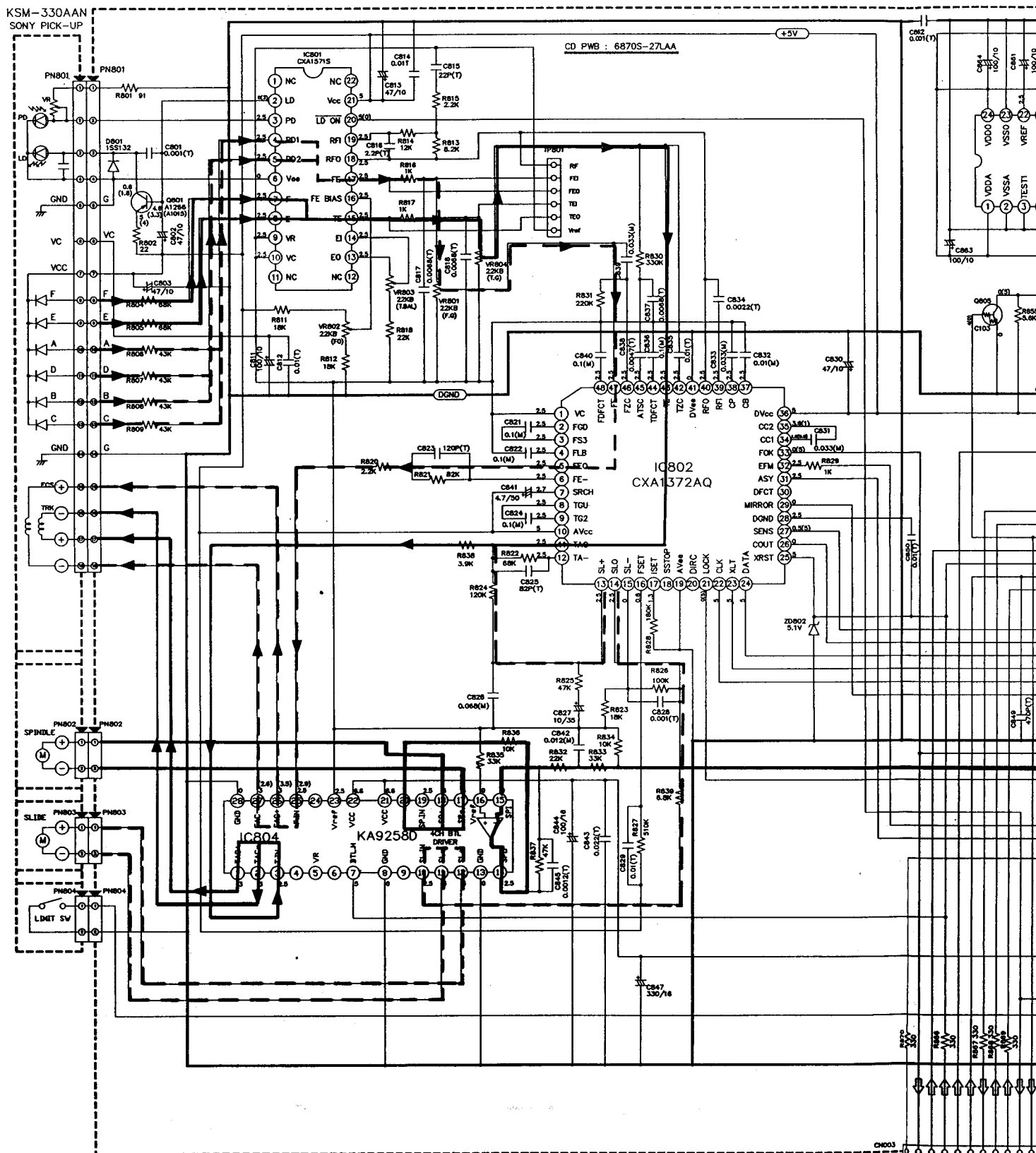


AUDIO COMMON



- NOTES :**
1. Resistance values are indicated in ohms unless otherwise specified (K=1,000, M=1,000,000).
 2. Capacitance values are shown in microfarads unless otherwise (P=MICRO-MICRO FARADS).
 3. Schematic diagram for this model are subject to change for improvement without prior notice.

● CD CIRCUIT

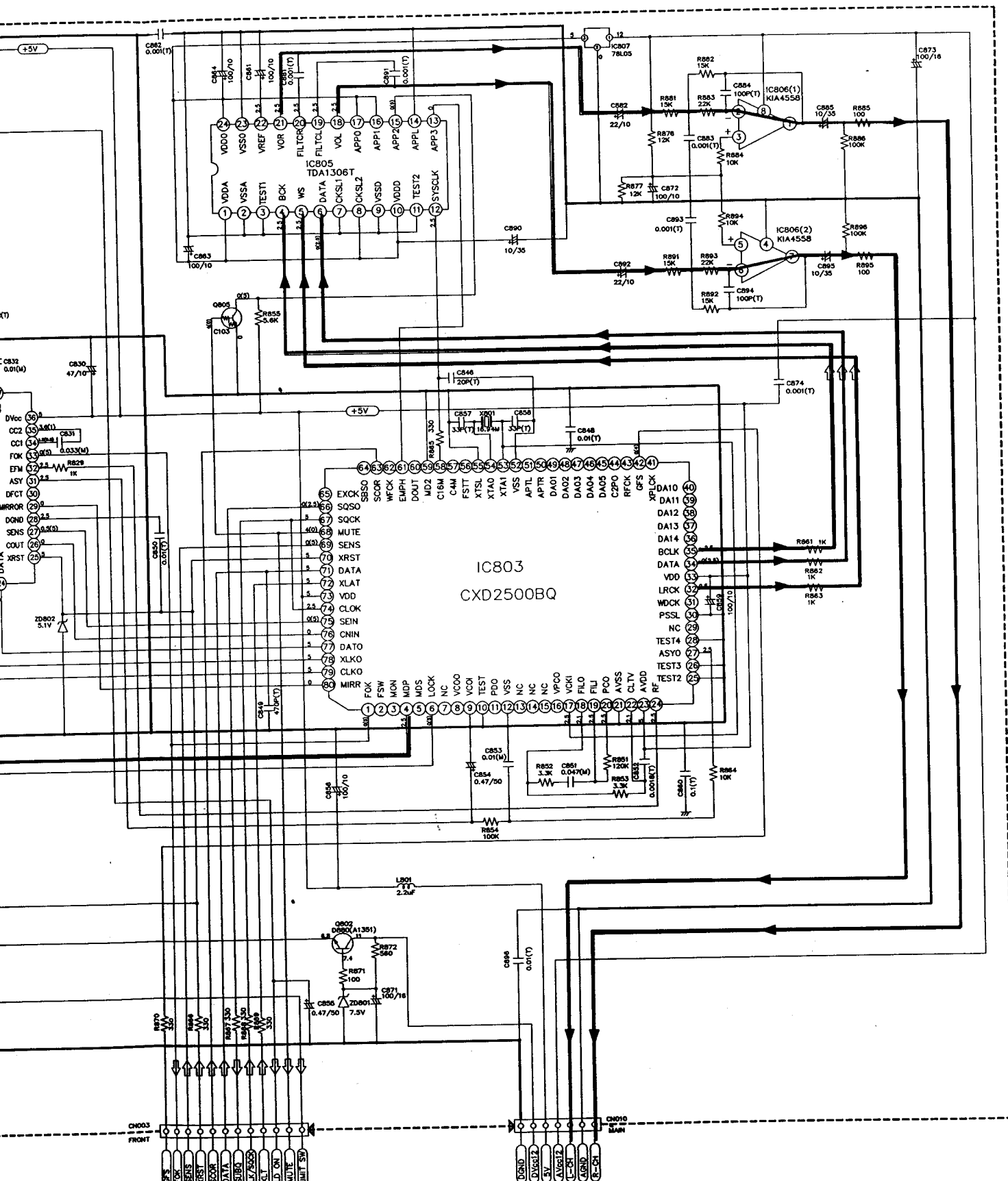


— TRACKING
— SIGNAL
— FOCUS
— SIGNAL
— — — — —

CD STOP/PLAY VOLT
CD PLAY () VOLT

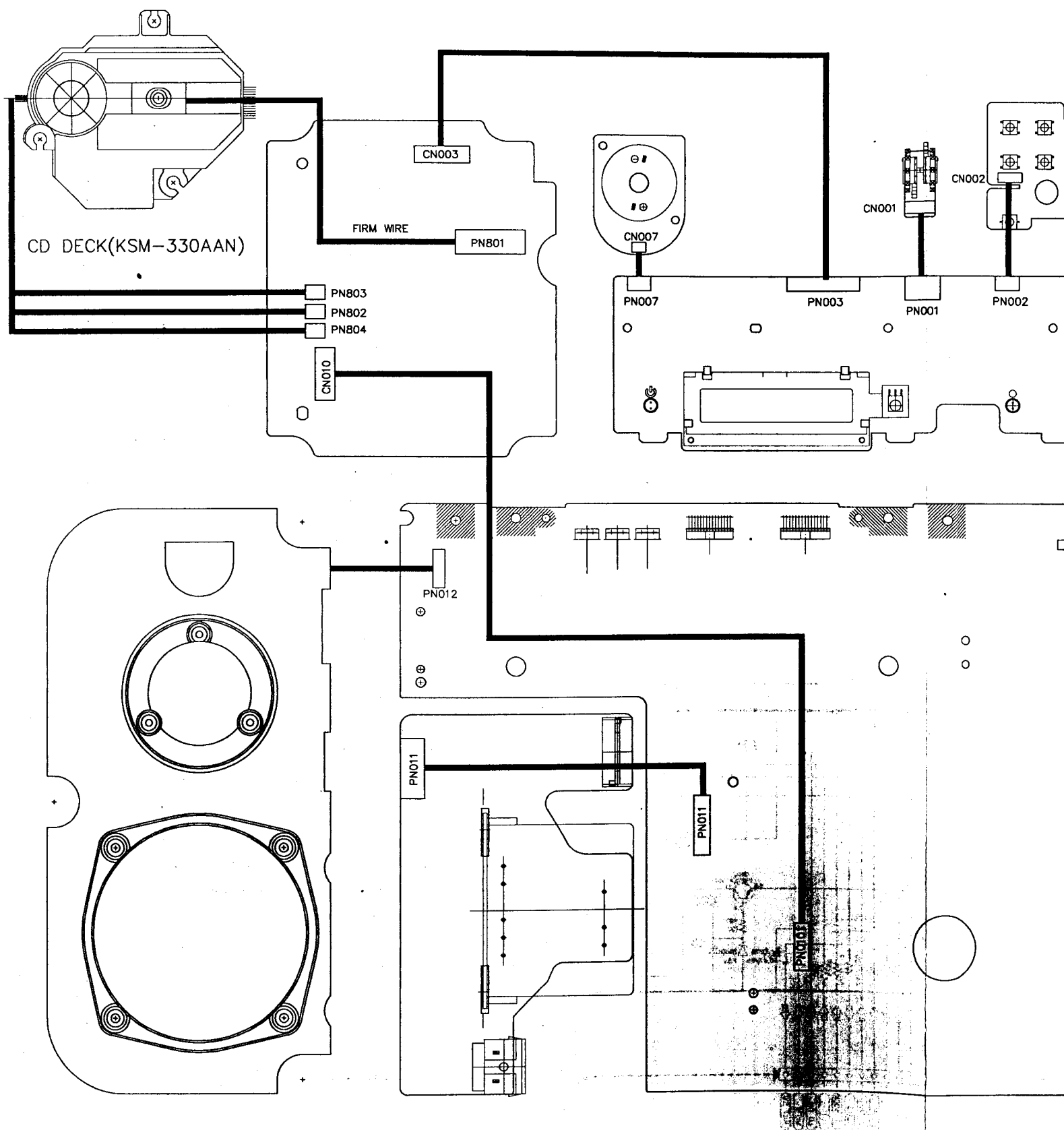
— SPINDLE MOTOR
— SIGNAL
— SLIDE MOTOR
— SIGNAL

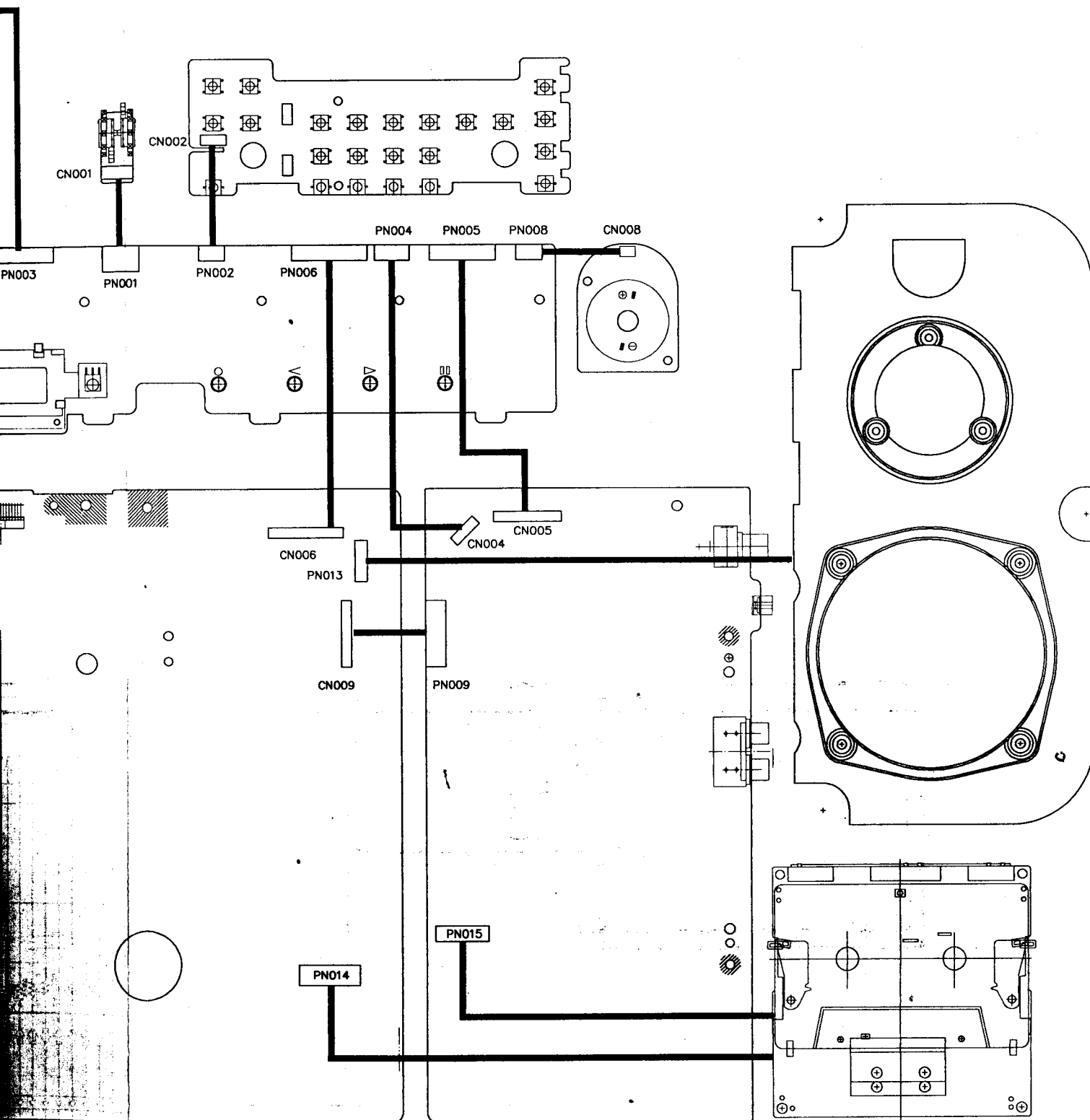
— CD AUDIO
— SIGNAL



- NOTES :**
1. Resistance values are indicated in ohms unless otherwise specified (K=1,000, M=1,000,000).
 2. Capacitance values are shown in microfarads unless otherwise (P=MICRO-MICRO FARADS).
 3. Schematic diagram for this model are subject to change for improvement without prior notice.

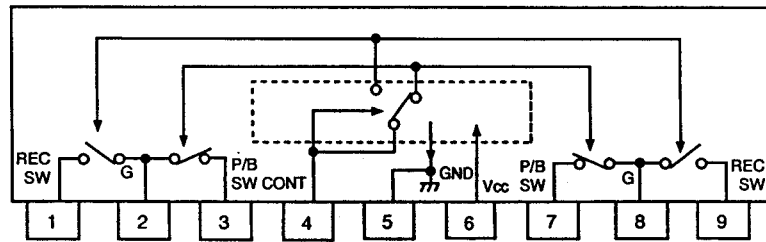
WIRING DIAGRAM



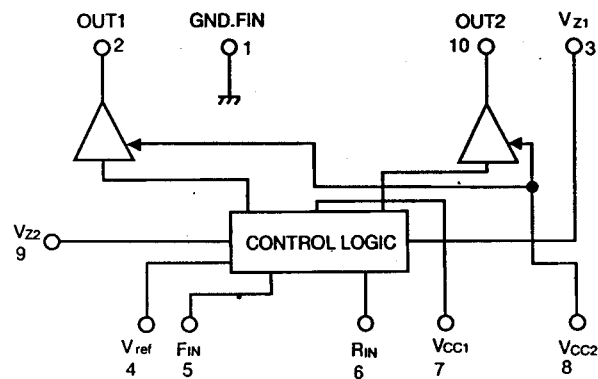


INTERNAL BLOCK DIAGRAM OF ICs

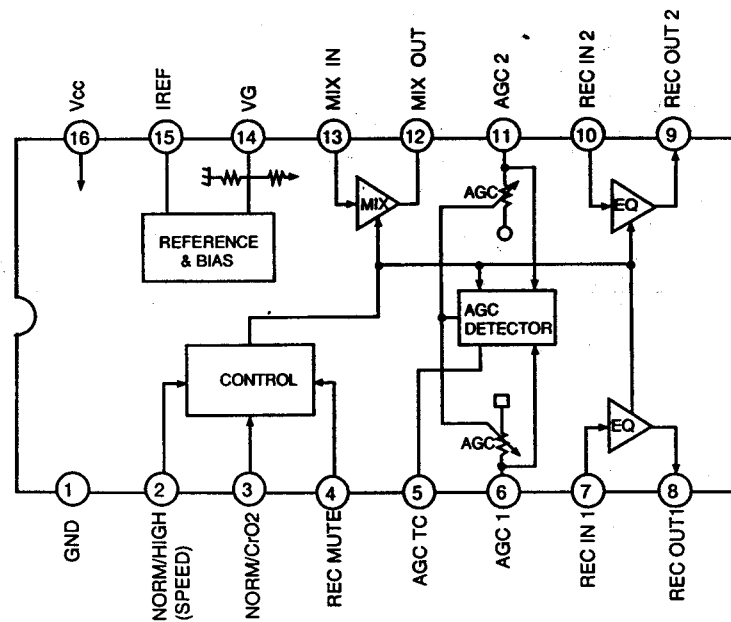
■ BA3126N



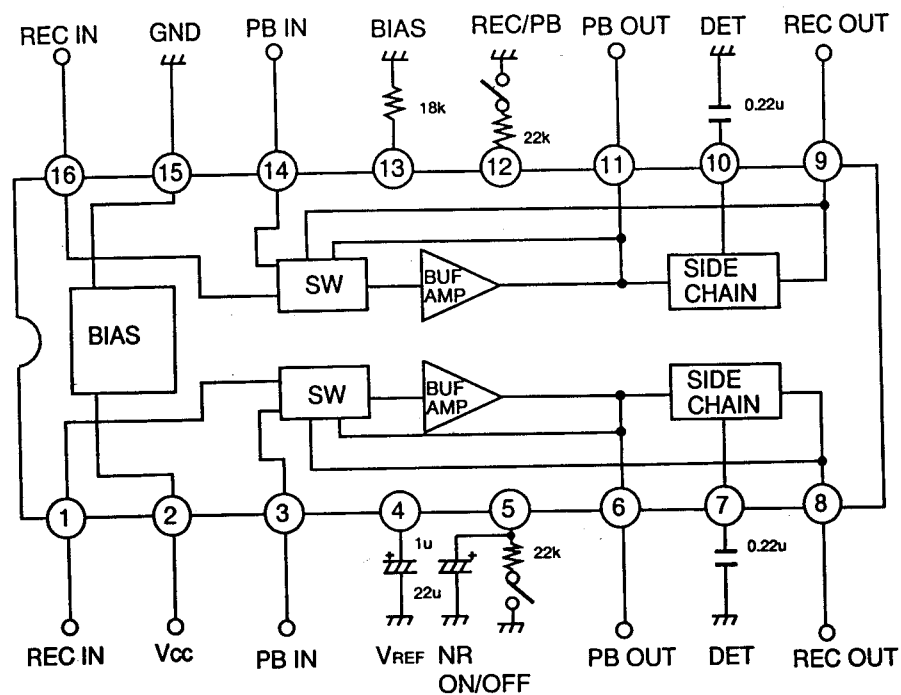
■ BA6209N



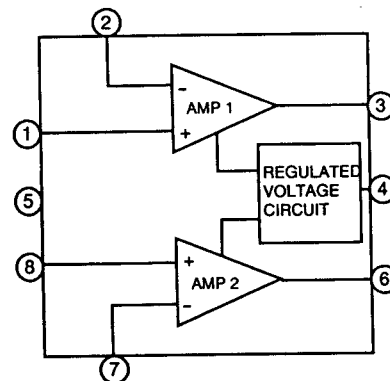
■ CXA1298AP



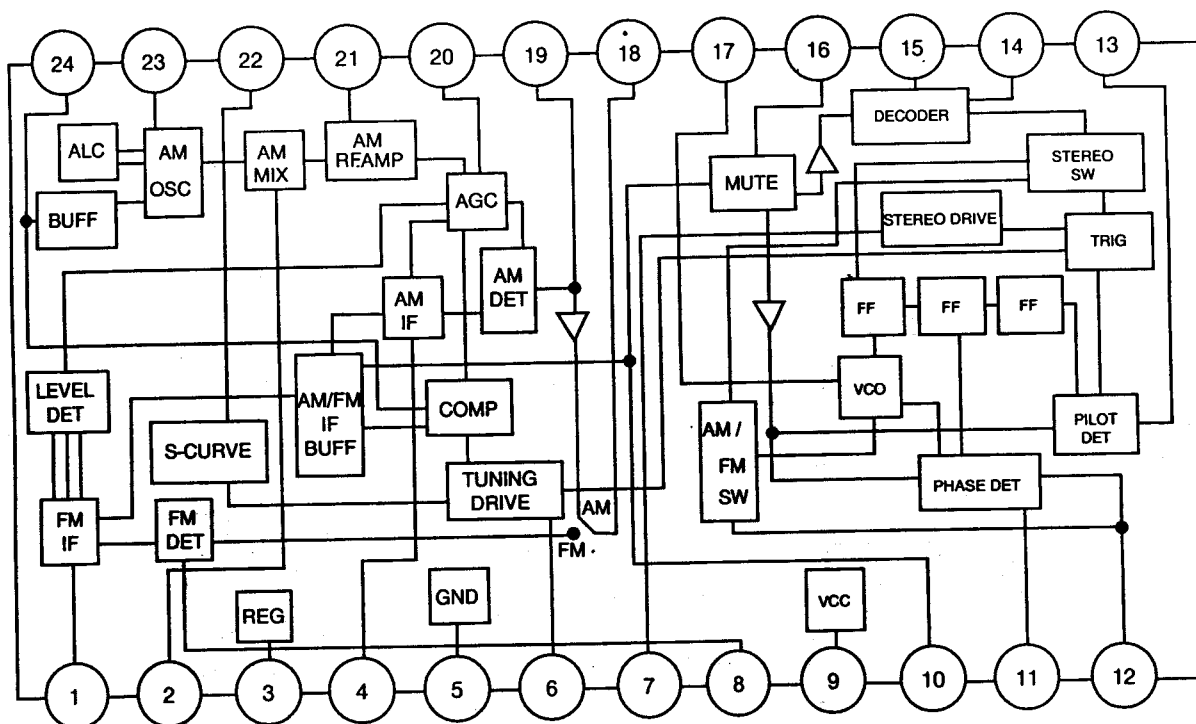
■ HA12136A



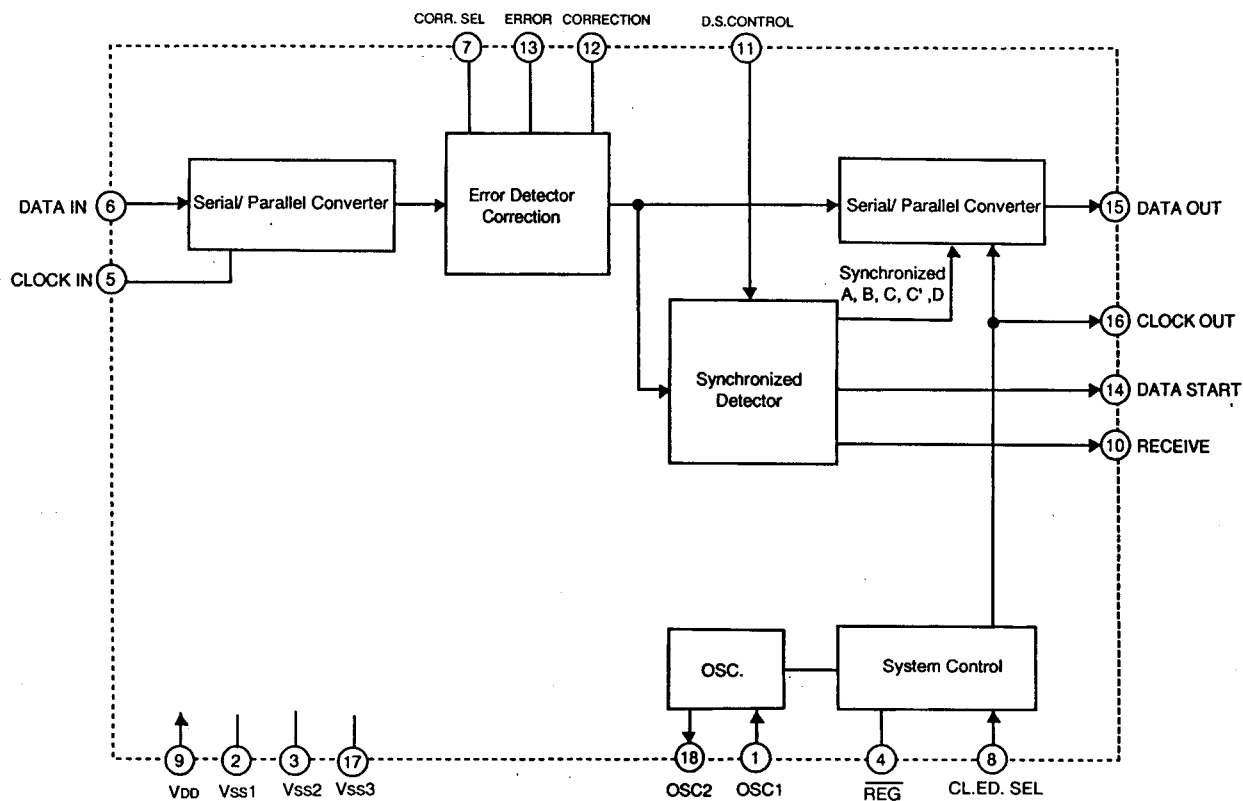
■ KIA6225S



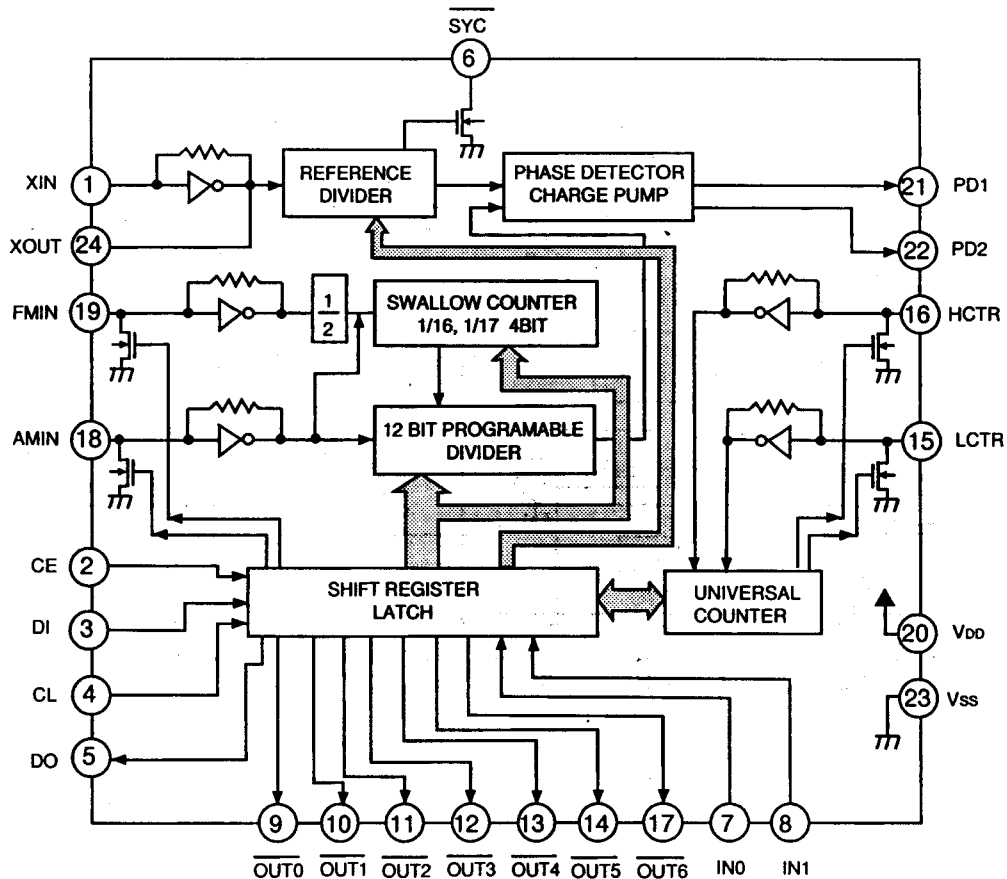
■ LA1832



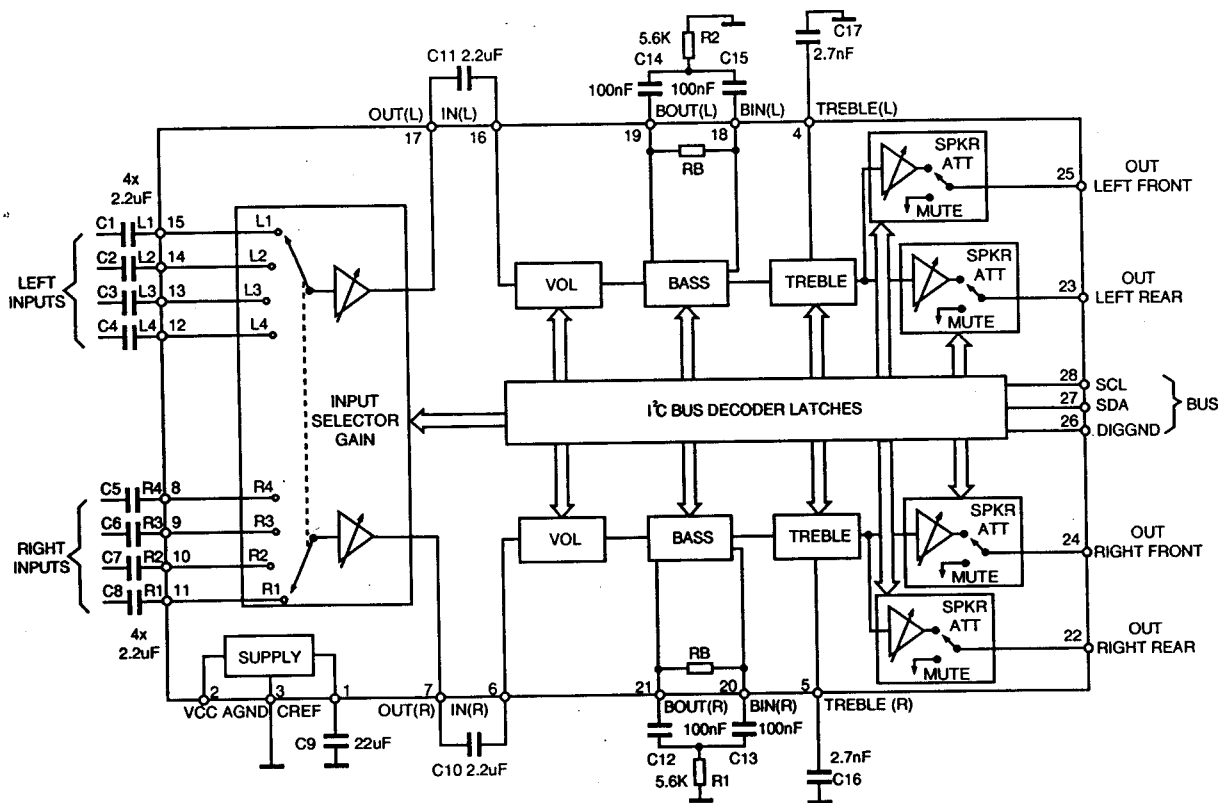
■ LC7073M



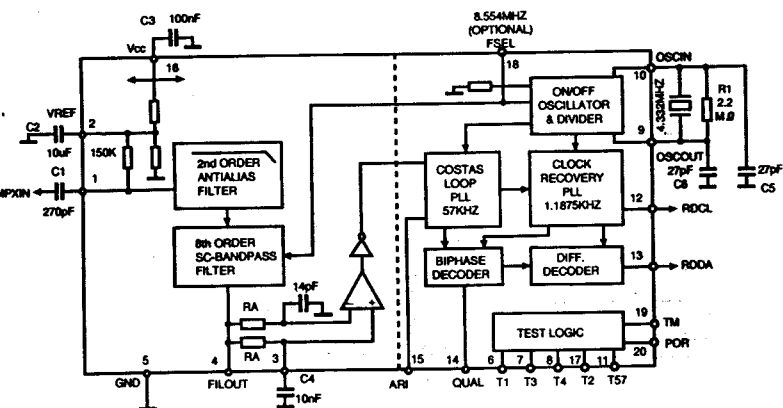
■ LC7218



■ TDA7318

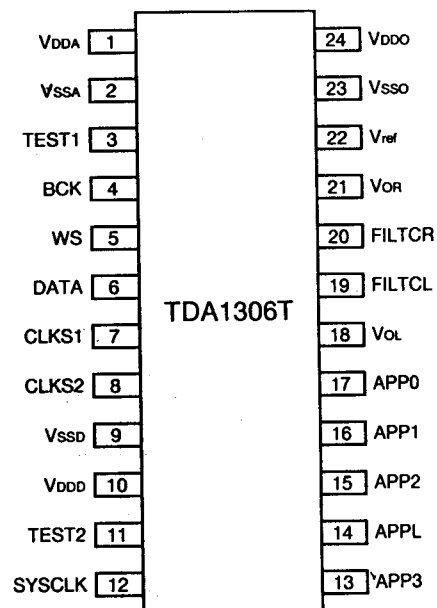


■ TDA7330



■ TDA1306T

① Pin Configuration

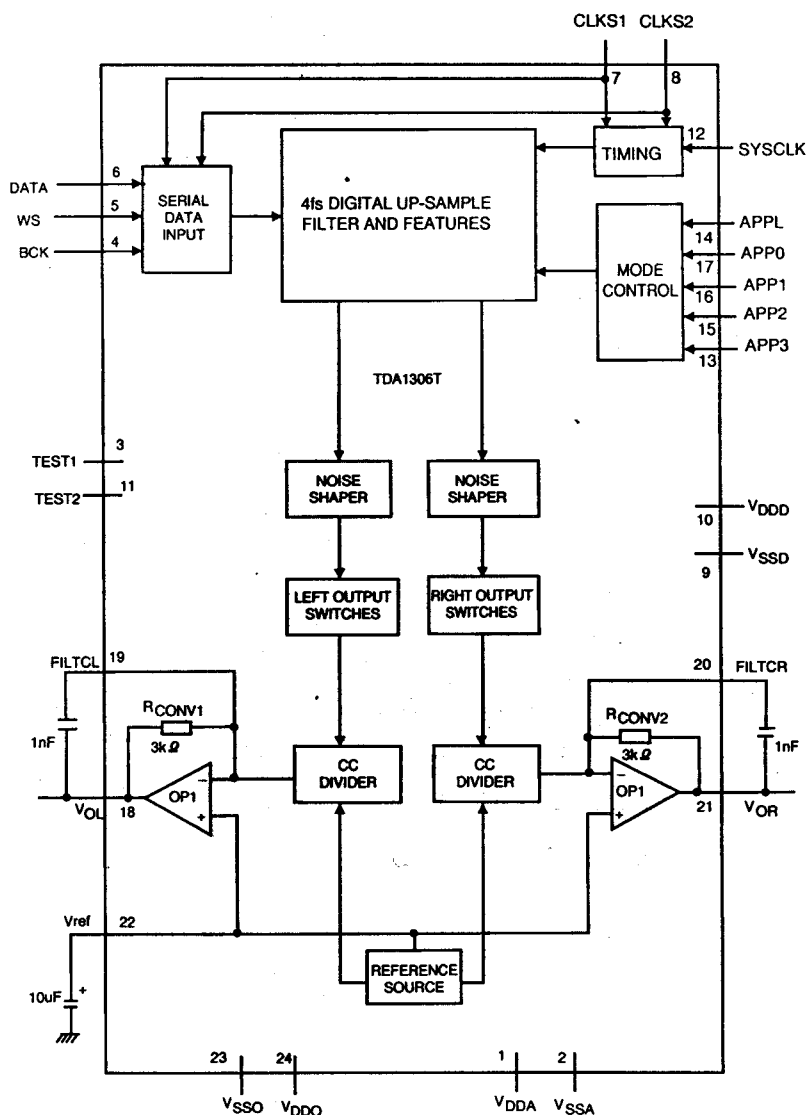


② Pinning

SYMBOL	PIN	DESCRIPTION
V _{DDA}	1	analog supply voltage (+5V)
V _{SSA}	2	analog ground
TEST1	3	test input 1; pin should be connected to ground
BCK	4	bit clock input
WS	5	word select input
DATA	6	data input
CLKS1	7	clock and format selection 1 input
CLKS2	8	clock and format selection 2 input
V _{SSD}	9	digital ground
V _{DDD}	10	digital supply voltage (+5V)
TEST2	11	test input 2; pin should be connected to ground
SYSCLK	12	system clock input 256fs or 384fs
APP3	13	application mode 3 input
APPL	14	application mode selection input

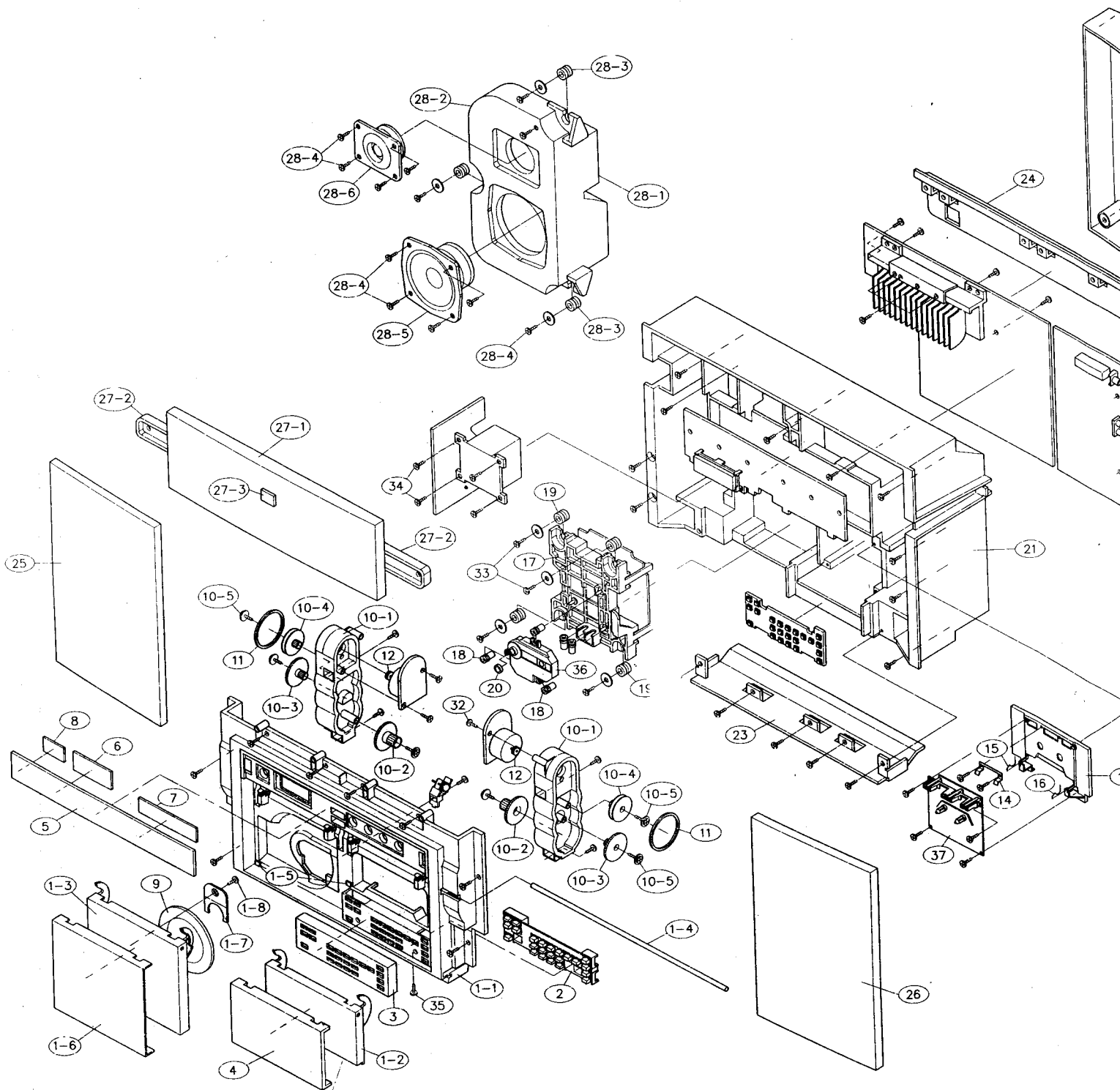
SYMBOL	PIN	DESCRIPTION
APP2	15	application mode 2 input
APP1	16	application mode 1 input
APP0	17	application mode 0 input
VoL	18	left channel output
FILTCL	19	capacitor for left channel 1st order filter function; should be connected between pins 19 and 18
FILTCR	20	capacitor for right channel 1st order filter function; should be connected between pins 20 and 21
VoR	21	right channel output
Vref	22	internal reference voltage for output channels; 0.5V _{DDO} (typ.)
V _{SSO}	23	operational amplifier ground
V _{DDO}	24	operational amplifier supply voltage

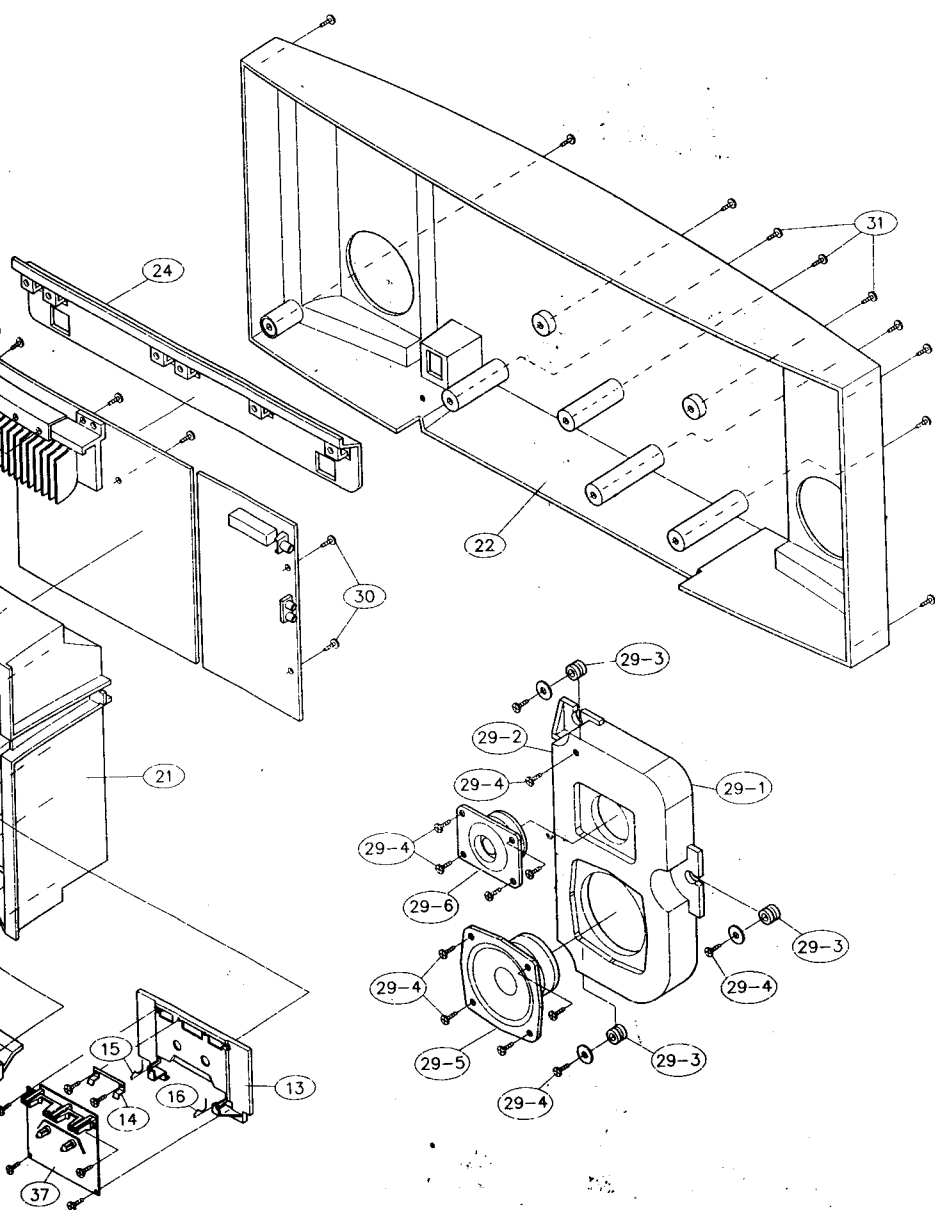
③ Block Diagram



EXPLODED VIEW/PARTS LIST

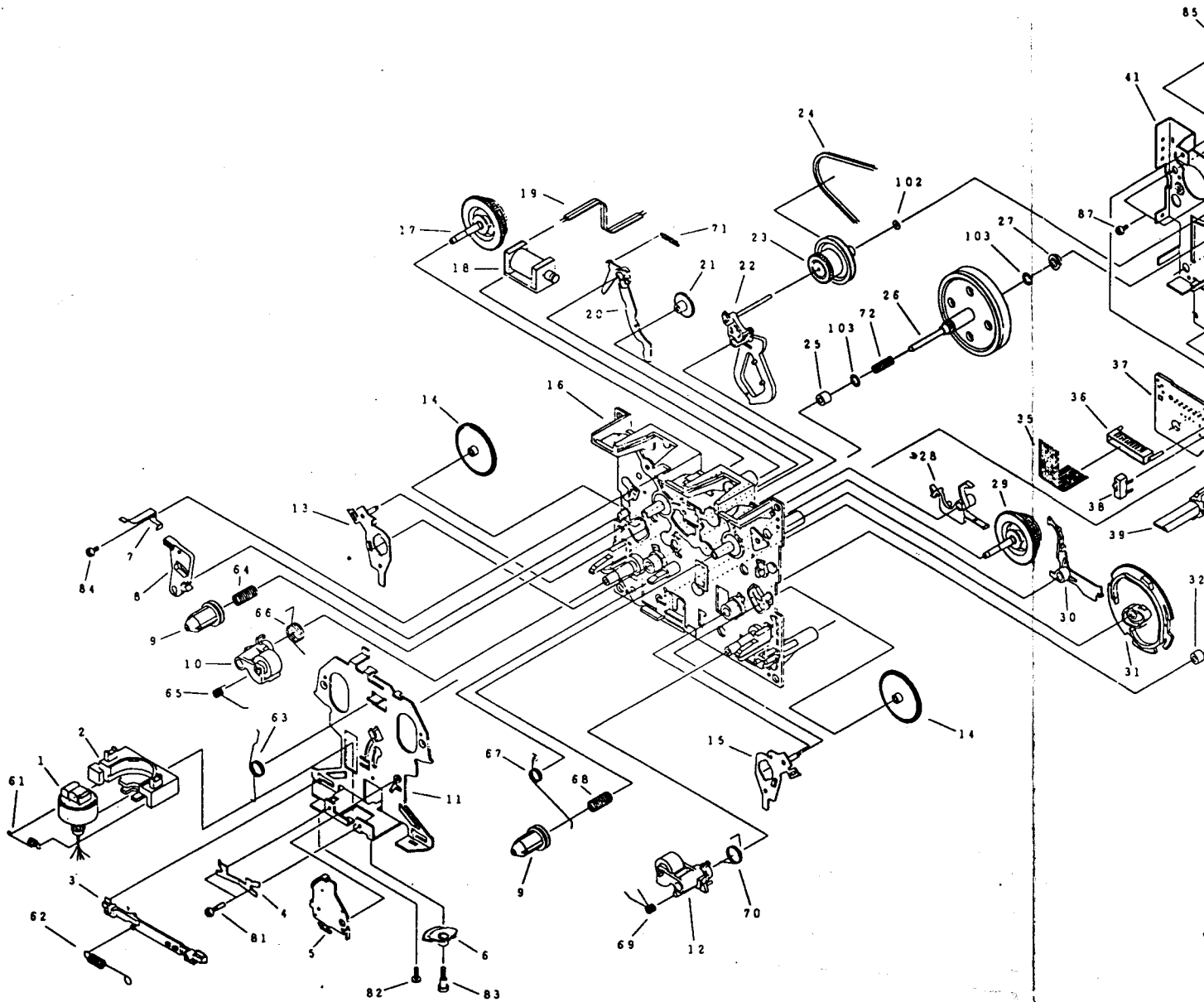
● CABINET

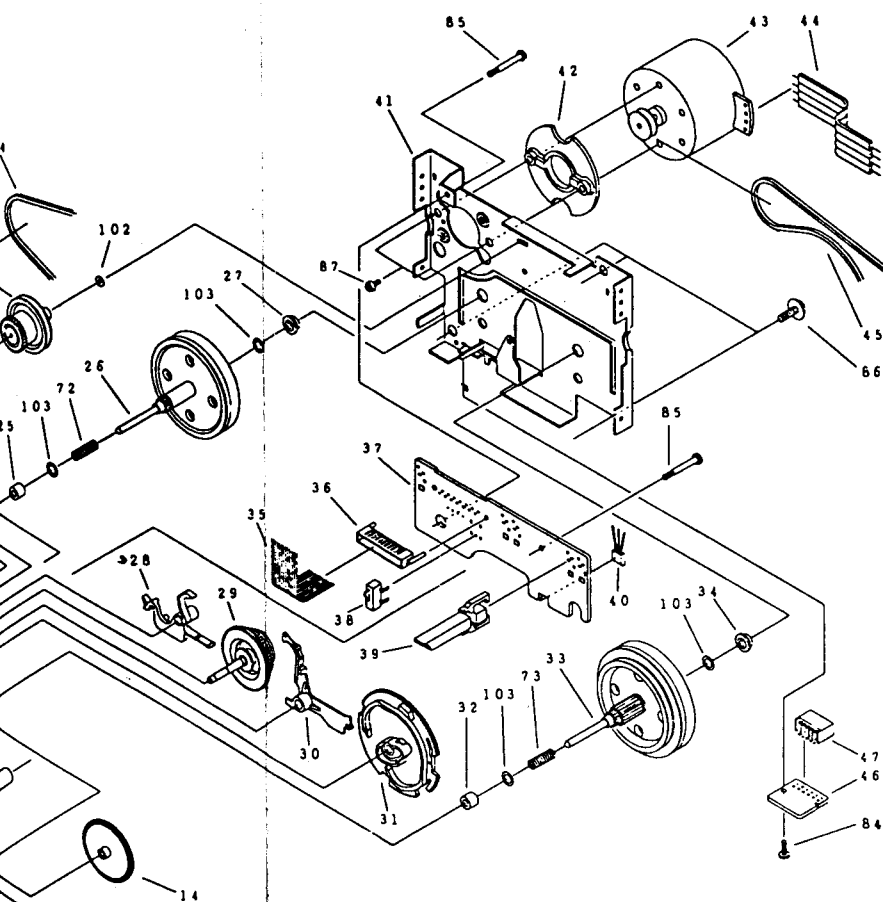




REF. NO.	PART NO.	DESCRIPTION	QTY
1	3721SU0191A	Panel Assembly, Sub Front	1
1-1	3720S-0191A	Panel, Front	1
1-2	3580S-0191A	Door, Cassette	1
1-3	3580S-0192A	Door, M/D	1
1-4	4370S-0191A	Shaft, Door	1
1-5	447-352Q	Cushion, Front Panel	4
1-6	3550S-0191A	Cover, M/D Door	1
1-7	324-543A	Holder, Clamper	1
1-8	353-025C	Screw, Taptite 3 x 10	1
2	4940S-0199A	Knob, 23 Array	1
3	3550S-0192A	Cover, Knob 23 Array	1
4	3790S-0191A	Window, Cassette Door	1
5	3790S-0192A	Window, FIP	1
6	3300S-0191A	Plate, FIP	1
7	3858S-0191A	Sheet, LED-4	1
8	3858S-0192A	Sheet, LED-1	1
9	4861S-0191A	Clamp Assembly	1
10	4931S-0194A	Holder Assembly, Gear-1, 2, 3	2
10-1	4930S-0194A	Holder, Gear	1
10-2	4470S-0191A	Gear-1	1
10-3	4470S-0192A	Gear-2	2
10-4	4470S-0193A	Gear-3	1
10-5	353-051A	Screw, Taptite 3 x 10	3
11	451-145X	Belt 42, 1.6 x 1.6	1
12	4560S-0191A	Pulley, Motor	2
13	3550S-0193A	Cover, Deck Mechanism	1
14	4970S-0191A	Spring Tape-M	1
15	4970S-0192A	Spring, Tape-L	1
16	4970S-0193A	Spring, Tape-R	1
17	4930S-0193A	Holder, M/D	1
18	5040S-0191A	Rubber, M/D	5
19	5040S-0192A	Rubber, Speaker	5
20	3300S-0192A	Plate, Guide Clamper	1
21	3140S-0191A	Chassis, Main	1
22	3110S-0191A	Case, Rear	1
23	4810S-0196A	Bracket, Foot	1
24	4810S-0197A	Bracket, Heatsink	1
25	3550S-0194A	Cover, Jersey-L (Dark Grey)	1
	3550S-0194B	Cover, Jersey-L (Red)	1
	3550S-0194C	Cover, Jersey-L (Green)	1
26	3550S-0195A	Cover, Jersey-R (Dark Grey)	1
	3550S-0195B	Cover, Jersey-R (Red)	1
	3550S-0195C	Cover, Jersey-R (Green)	1
27	3551SU0196D	Cover Assembly, Jersey-M (Dark Grey)	1
	3551SU0196E	Cover Assembly, Jersey-M (Red)	1
	3551SU0196F	Cover Assembly, Jersey-M (Green)	1
27-1	3550S-0196D	Cover, Jersey-M (Dark Grey)	1
	3550S-0196E	Cover, Jersey-M (Red)	1
	3550S-0196F	Cover, Jersey-M (Green)	1
27-2	4930S-0195A	Holder, Cover Jersey-M	2
27-3	3846S-0191A	Mark, Finit	1
28	3111S-0192A	Case Assembly, Speaker-L	1
28-1	3110S-0192A	Case, Speaker-L	1
28-2	3720S-0192A	Panel, Speaker-L	1
28-3	5040S-0192A	Rubber, Speaker	3
28-4	353-025Q	Screw, Taptite 3 x 16	9
28-5	541-231D	Speaker, Woofer 60HM, 120mm/25W	1
28-6	541-916A	Speaker, Tweeter-L 60HM, 19mm/25W	1
29	3111S-0193A	Case Assembly, Speaker-R	1
29-1	3110S-0193A	Case, Speaker-R	1
29-2	3720S-0193A	Panel, Speaker-R	1
29-3	5040S-0192A	Rubber, Speaker	3
29-4	353-025Q	Screw, Taptite 3 x 16	9
29-5	541-231D	Speaker, Woofer 60HM, 120mm/25W	1
29-6	541-916B	Speaker, Tweeter-R 60HM, 19mm/25W	1
30	353-025K	Screw, Taptite 3 x 12	33
31	353-025P	Screw, Taptite 3 x 12	21
32	353-025C	Screw, Taptite 3 x 10	4
33	353-100A	Screw, 3 x 10	10
34	353-070C	Screw, Taptite Washer 4 x 12	4
35	353-025Q	Screw, Taptite 3 x 16	3
36	411-006G	CD Mechanism Assembly, KSM-330AAN	1
37	419-005I	Deck Mechanism, CRF444	1

EXPLODED VIEW/PARTS LIST
● TAPE DECK MECHANISM

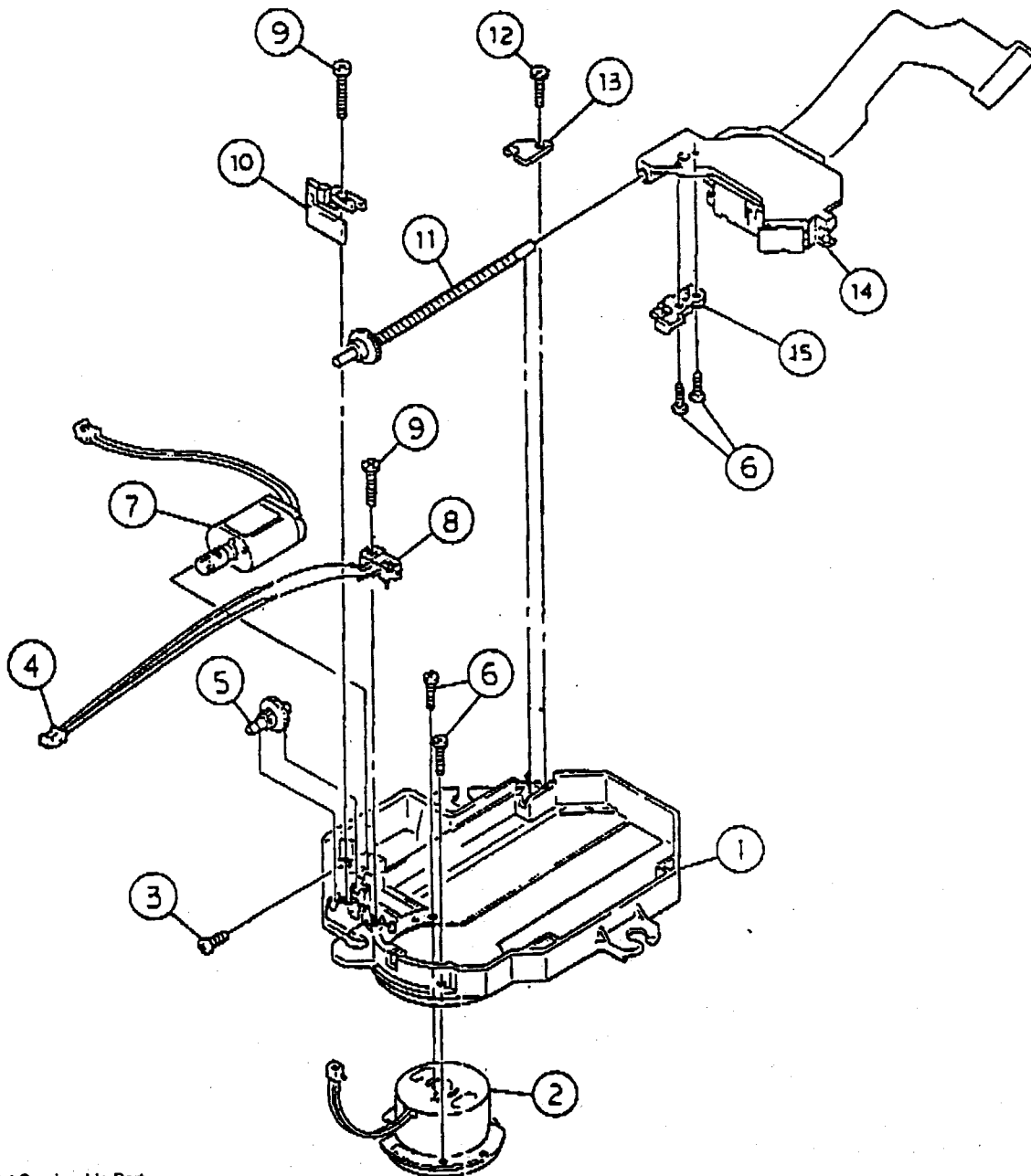




NO.	PART NAME	PART NO.	QTY
	DECK MECHANISM, CRF444 R/P	419-0051	1
1	ASS'Y HOLDER HEAD	99P-3001	1
2	FLAME HEAD	99P-3002	1
3	LEVER HEAD	99P-3003	1
4	SPRING AZIMUTH	99P-3004	1
5	ASS'Y ARM ASSIST	99P-3005	1
6	GEAR ARM HEAD	99P-3006	1
7	SPRING CASSETTE	99P-3007	1
8	EJECT LOCK	99P-3008	1
9	CAP REEL	99P-3009	2
10	ASS'Y PINCH ARM L	99P-3010	1
11	CHASSIS HEAD	99P-3011	1
12	ASS'Y PINCH*ARM R	99P-3012	1
13	ASS'Y ARM PLAY L	99P-4146	1
14	GEAR PLAY	99P-4147	2
15	ASS'Y ARM PLAY R	99P-4148	1
16	CHASSIS OS.	99P-3016	1
17	ASS'Y SUB REEL L	99P-3017	1
18	SOLENOID	99P-3018	1
19	WIRE	99P-3019	1
20	ARM RVS	99P-3020	1
21	GEAR FF	99P-3021	1
22	ASS'Y ARM FR	99P-3022	1
23	ASS'Y PULLEY FR	99P-3023	1
24	BELT FR	99P-3024	1
25	METAL	99P-3025	1
26	ASS'Y FLYWHEEL L	99P-3026	1
27	METAL	99P-3027	1
28	ARM BRAKE	99P-3028	1
29	ASS'Y SUB REEL R	99P-3029	1
30	ARM TRIGGER	99P-3030	1
31	GEAR CAM	99P-3031	1
32	METAL	99P-3032	1
33	ASS'Y FLYWHEEL R	99P-3033	1
34	METAL	99P-3034	1
35	WIRE(13P)	99P-3035	1
36	HOLDER WIRE	99P-3036	1
37	P.C.BOARD	99P-3037	1
38	SWITCH MODE	99P-3038	1
39	SWITCH(LEAF)	99P-3039	5
40	HALL IC	99P-3040	1
41	BRACKET FW	99P-3041	1
42	SPACER	99P-3042	1
43	ASS'Y MOTOR	99P-3043	1
44	WIRE	99P-3044	1
45	BELT MAIN	99P-3045	1
46	P.C.BOARD	99P-3046	1
47	HOUSING	99P-3047	1
61	SPRING	99P-3051	1
62	SPRING	99P-3052	1
63	SPRING	99P-3053	1
64	SPRING	99P-3054	1
65	SPRING	99P-3055	1
66	SPRING	99P-3056	1
67	SPRING	99P-3057	1
68	SPRING	99P-3058	1
69	SPRING	99P-3059	1
70	SPRING	99P-3060	1
71	SPRING	99P-3061	1
72	SPRING	99P-3062	1
73	SPRING	99P-3063	1
81	SCREW	99P-3064	2
82	SCREW	99P-3065	1
83	SCREW	99P-3066	1
84	SCREW	99P-3067	2
85	SCREW	99P-3068	2
86	SCREW	99P-3069	3
87	SCREW	99P-3070	2
102	WASHER	99P-3072	1
103	WASHER	99P-3073	4

EXPLODED VIEW/PARTS LIST

● CD MECHANISM



NSP : Not Serviceable Part

NO.	PARTS NO.	DESCRIPTION	QTY	NO.	PARTS NO.	DESCRIPTION	QTY
	411-006G	CD Mechanism Assembly, KSM-330AAN	1	8	88S-0130	Switch	1
1	NSP	Chassis, MD	1	9	NSP	Screw Tapping B2 × 8	2
2	88S-0127	Motor Assembly, T.T (K)	1	10	88S-0131	Spring, SLED	1
3	NSP	Screw M2 × 2.5	1	11	NSP	Screw Assembly, SLED	1
4	NSP	Harness	1	12	NSP	Screw Tapping B2 × 6	1
5	88S-0128	Gear (B)	1	13	NSP	Retainer, Shaft	1
6	NSP	Screw, Precision +P1.7 × 4	4	14	88S-0132	KSS-330A (RP)	1
7	88S-0129	Motor Assembly, SLED	1	15	NSP	Rack	1

ELECTRICAL PARTS LIST

NOTE :

Parts marked with "  "are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

S	LOCA.NO	PART NO. (GS)	SPECIFICATION
ICs			
	IC100	OISA183200A	LA1832 ST AM/FM IF+MPX IC
	IC101	OISA721800A	LC7218 PLL.SANYO
	IC102	OIKE780500A	KE7805 3SIP LIN
	IC151	OISG733000A	TDA7330 20P RDS DEMODULATOR
	IC152	OISA707300A	LC7073M MFP-18 RDS.SANYO
	IC401	OIKE622500A	KIA6225S (KIA7325P) KEC
	IC402	OIH1121360C	HA12136A DOLBY-B DILP-16.HITA
	IC403	OISO129800A	CXA1298AP REC EQ
	IC404	OIRH312600A	BA3126N HI-VOL HEAD S/W.ROHM/
	IC501	OISA866424D	LC866424A-5939 FFH-191 MICOM
	IC502	OIKE703900B	KIA7039P 3.9V RESET.TP.KEC
	IC503	OIRH620900B	BA6209N MOTOR DRIVER
	IC504	OIRH620900B	BA6209N MOTOR DRIVER
	IC601	OISG731800B	TDA7318 DIP28 ELEC V/R.SGS-T
	IC602	OIMA733700A	AN7337N 700T EQ.MATSUSHITA
	IC603	OIMA733700A	AN7337N 700T EQ.MATSUSHITA
	IC652	OIMA733700A	AN7337N 700T EQ.MATSUSHITA
	IC653	OIMA733700A	AN7337N 700T EQ.MATSUSHITA
	IC700	OINS187600A	LM1876TF ST DUAL-15W POWER
	IC701	OIKE781200B	KIA7812PI 12V 1A.KEC
	IC702	OIKE781200B	KIA7812PI 12V 1A.KEC
	IC703	OIKE780500H	KIA7805PI 5V 1A REG/VOLT.KEC
	IC704	OIGS455800A	GL4558 OP AMP
	IC705	OIKE780900C	KIA7809PI 9V 1A.KEC
	IC740	OIGS455800A	GL4558 OP AMP
	IC750	OINS187600A	LM1876TF ST DUAL-15W POWER
	IC751	OIGS791200C	GL7912 TO-220 V/REGULA(-12/1A
	IC801	OISO157100B	CXA1571S RF-AMP SDIP
	IC802	OISO137200A	CXA1372AQ.SERVO AMP. TRAY QFP
	IC803	OISO250000B	CXD2500BQ CD DSP QFP
	IC804	OISS925800A	KA9258D-T1 4CH DRIVER.S/S
	IC805	OIPH130600B	TDA1306T ST 1BIT DAC
	IC806	OIKE455800A	KIA4558P 8DIP LIN OP-AMP
	IC807	OIKE780500A	KE7805 3SIP LIN
	IC818	OIKE780500H	KIA7805PI 5V 1A REG/VOLT.KEC
	RMC501	OIRH676000A	RPM-676CBR-L SENSOR RHC.ROHM/J
TRANSISTORS			
	Q100	OTR319209AA	KTC3192-0 TP.KEC(KTC380TM-0)
	Q101	OTR111009AC	KRA111M TP.KEC
	Q102	OTR114009AD	DTC114ES ROHM-K
	Q103	OTR319809AA	KTC3198-TP-Y (KTC1815)KEC
	Q104	OTR319809AA	KTC3198-TP-Y (KTC1815)KEC
	Q105	OTR102009AF	KRC102M TP.KEC(KRC1202)
	Q106	OTR102009AF	KRC102M TP.KEC(KRC1202)
	Q107	OTR102009AF	KRC102M TP.KEC(KRC1202)
	Q151	OTR111009AC	KRA111M TP.KEC
	Q152	OTR114009AD	DTC114ES ROHM-K
	Q401	OTR319809AA	KTC3198-TP-Y (KTC1815)KEC
	Q402	OTR130209AA	KTD1302 MUTING TP.KEC
	Q403	OTR130209AA	KTD1302 MUTING TP.KEC
	Q404	OTR114009AD	DTC114ES ROHM-K
	Q405	OTR320509AB	KTC3205-TP-Y (KTC2236A)KEC
	Q406	OTR320509AB	KTC3205-TP-Y (KTC2236A)KEC

S	LOCA.NO	PART NO. (GS)	SPECIFICATION
	Q407	OTR130209AA	KTD1302 MUTING TP.KEC
	Q408	OTR111009AC	KRA111M TP.KEC
	Q409	OTR114009AD	DTC114ES ROHM-K
	Q440	OTR114009AD	DTC114ES ROHM-K
	Q441	OTR114009AD	DTC114ES ROHM-K
	Q442	OTR114009AD	DTC114ES ROHM-K
	Q443	OTR114009AD	DTC114ES ROHM-K
	Q444	OTR114009AA	DTA114ES ROHM
	Q445	OTR114009AD	DTC114ES ROHM-K
	Q446	OTR320509AB	KTC3205-TP-Y (KTC2236A)KEC
	Q447	OTR127309AA	KTA1273-TP-Y (KTA966A)KEC
	Q448	OTR114009AD	DTC114ES ROHM-K
	Q451	OTR319809AA	KTC3198-TP-Y (KTC1815)KEC
	Q452	OTR130209AA	KTD1302 MUTING TP.KEC
	Q453	OTR130209AA	KTD1302 MUTING TP.KEC
	Q454	OTR114009AD	DTC114ES ROHM-K
	Q501	OTR114009AD	DTC114ES ROHM-K
	Q502	OTR114009AD	DTC114ES ROHM-K
	Q507	OTR110009AE	KRC110M TP.KEC(KRC1210)
	Q511	OTR130209AA	KTD1302 MUTING TP.KEC
	Q518	OTR114009AD	DTC114ES ROHM-K
	Q554	OTR114009AD	DTC114ES ROHM-K
	Q555	OTR114009AD	DTC114ES ROHM-K
	Q556	OTR114009AD	DTC114ES ROHM-K
	Q571	OTR114009AD	DTC114ES ROHM-K
	Q702	OTR319809AA	KTC3198-TP-Y (KTC1815)KEC
	Q704	OTR102009AE	KRA102M TP.KEC(KRA2202)
	Q705	OTR114009AD	DTC114ES ROHM-K
	Q706	OTR127309AA	KTA1273-TP-Y (KTA966A)KEC
	Q707	OTR127309AA	KTA1273-TP-Y (KTA966A)KEC
	Q708	OTR114009AD	DTC114ES ROHM-K
	Q709	OTR320509AB	KTC3205-TP-Y (KTC2236A)KEC
	Q710	OTR130209AA	KTD1302 MUTING TP.KEC
	Q711	OTR130209AA	KTD1302 MUTING TP.KEC
	Q712	OTR103009AF	KRA103M TP.KEC(KRA2203)
	Q713	OTR103009AE	KRC103M TP.KEC(KRC1203)
	Q754	OTR102009AE	KRA102M TP.KEC(KRA2202)
	Q755	OTR114009AD	DTC114ES ROHM-K
	Q801	OTR126609AB	KTA1266-GR TP.KEC(KTA1015GR)
	Q802	OTR135100AF	KTD1351-0 (KTD880A-0) KEC
	Q803	OTR127309AA	KTA1273-TP-Y (KTA966A)KEC
	Q804	OTR319809AA	KTC3198-TP-Y (KTC1815)KEC
	Q805	OTR103009AE	KRC103M TP.KEC(KRC1203)
DIODES			
	D100	ODD132009AA	1SS132 DETECT.SW TP
	D151	ODD132009AA	1SS132 DETECT.SW TP
	D152	ODD132009AA	1SS132 DETECT.SW TP
	D401	ODD132009AA	1SS132 DETECT.SW TP
	D402	ODD132009AA	1SS132 DETECT.SW TP
	D440	ODD132009AA	1SS132 DETECT.SW TP
	D441	ODD352009BA	1SR35-200A T-93X 2K TP ROHM/K
	D442	ODD352009BA	1SR35-200A T-93X 2K TP ROHM/K
	D451	ODD132009AA	1SS132 DETECT.SW TP
	D452	ODD132009AA	1SS132 DETECT.SW TP
	D501	ODD132009AA	1SS132 DETECT.SW TP

S	LOCA.NO	PART NO. (GS)	SPECIFICATION
D502	0DD132009AA	1SS132 DETECT.SW	TP
D503	0DD132009AA	1SS132 DETECT.SW	TP
D504	0DD132009AA	1SS132 DETECT.SW	TP
D505	0DD132009AA	1SS132 DETECT.SW	TP
D506	0DD132009AA	1SS132 DETECT.SW	TP
D507	0DD132009AA	1SS132 DETECT.SW	TP
D508	0DD132009AA	1SS132 DETECT.SW	TP
D509	0DD132009AA	1SS132 DETECT.SW	TP
D513	0DD132009AA	1SS132 DETECT.SW	TP
D514	0DD132009AA	1SS132 DETECT.SW	TP
D551	0DD132009AA	1SS132 DETECT.SW	TP
D600	0DD132009AA	1SS132 DETECT.SW	TP
D700	0DD352009BA	1SR35-200A T-93X 2K TP ROHM/K	
D701	0DD352009BA	1SR35-200A T-93X 2K TP ROHM/K	
D702	0DD540200CA	1N5402,RECT,SILTER,FORMING	
D703	0DD540200CA	1N5402,RECT,SILTER,FORMING	
D704	0DD540200CA	1N5402,RECT,SILTER,FORMING	
D705	0DD540200CA	1N5402,RECT,SILTER,FORMING	
D706	0DD132009AA	1SS132 DETECT.SW	TP
D707	0DD352009BA	1SR35-200A T-93X 2K TP ROHM/K	
D708	0DD132009AA	1SS132 DETECT.SW	TP
D709	0DD132009AA	1SS132 DETECT.SW	TP
D710	0DD132009AA	1SS132 DETECT.SW	TP
D720	0DD132009AA	1SS132 DETECT.SW	TP
D801	0DD132009AA	1SS132 DETECT.SW	TP
D872	0DD352009BA	1SR35-200A T-93X 2K TP ROHM/K	
D873	0DD352009BA	1SR35-200A T-93X 2K TP ROHM/K	

LEDs

LED501	0DL540009AH	SLR-54VR 80F 215(RD) ROHM-K
LED554	0DL540009AH	SLR-54VR 80F 215(RD) ROHM-K
LED555	0DL540009AH	SLR-54VR 80F 215(RD) ROHM-K
LED556	0DL540009AH	SLR-54VR 80F 215(RD) ROHM-K
LED571	0DL540009AH	SLR-54VR 80F 215(RD) ROHM-K

ZENER DIODES

ZD100	0DZ560009FA	MTZ5.6-B T-77 5.6V TP,ROHM/K
ZD101	0DZ620009EA	MTZ6.2-B T-77 6.2V TP,ROHM/K
ZD102	0DZ620009EA	MTZ6.2-B T-77 6.2V TP,ROHM/K
ZD501	0DZ820009CC	MTZ8.2C-T-77 ROHM-K
ZD503	0DZ560009FA	MTZ5.6-B T-77 5.6V TP,ROHM/K
ZD504	0DZ560009FA	MTZ5.6-B T-77 5.6V TP,ROHM/K
ZD505	0DZ620009EA	MTZ6.2-B T-77 6.2V TP,ROHM/K
ZD600	0DZ910009EE	MTZ9.1C-T-77 ROHM-K
ZD700	0DZ240009CE	MTZ24D-T-77 ROHM-K
ZD801	0DZ750009DD	MTZ7.5C-T-77 ROHM-K
ZD802	0DZ510009HA	MTZ5.1-B T-77 5.1V TP,ROHM/K

CAPACITORS

C101	0CK2230K945	0.022M 50V Z F TS
C102	0CK4730K945	0.047U 50V Z F TS
C103	0CK1030K515	0.01M 50V K B TS
C104	0CE1066K618	10M SMS 50V M FMS TP(5)
C105	0CN2230H948	0.022UF 25V Z F TA26
C106	0CE3356K618	3.3M SMS 50V M FL TP(5)
C107	0CN2230H948	0.022UF 25V Z F TA26
C108	0CN2230H948	0.022UF 25V Z F TA26
C109	0CE1076D618	100M SMS 10V M FMS TP(5)
C110	0CN2230H948	0.022UF 25V Z F TA26
C111	0CE1056K618	1.0M SMS 50V M FL TP(5)
C112	0CE2256K618	2.2M SMS 50V M FL TP(5)

S	LOCA.NO	PART NO. (GS)	SPECIFICATION
C113	0CE1056K618	1.0M SMS 50V M FL	TP(5)
C114	0CN4730K948	0.047UF 50V Z F TA26	
C115	0CE2266K618	22M SMS 50V M FMS	TP(5)
C116	0CN8220F678	8200P 16V M Y	TA26
C117	0CK1020K945	1000P 50V Z F	TS
C118	0CC6800K415	68P 50V J NPO	TP
C119	0CC1810K405	180P 50V J SL	TP
C120	0CE3356K618	3.3M SMS 50V M FL	TP(5)
C121	0CE1056K618	1.0M SMS 50V M FL	TP(5)
C122	0CN1020K518	1000P 50V K B	TA26
C123	0CE1076F618	100M SMS 16V M FMS	TP(5)
C125	0CX3900K408	39P 50V J SL	TA26
C126	0CX3900K408	39P 50V J SL	TA26
C127	0CN1020K518	1000P 50V K B	TA26
C128	0CN1010K518	100P 50V K B	TA26
C129	0CN1020K518	1000P 50V K B	TA26
C130	0CN1020K518	1000P 50V K B	TA26
C134	0CE1046K618	0.1M SMS 50V M FL	TP(5)
C135	0CE1056K618	1.0M SMS 50V M FL	TP(5)
C136	0CN2230H948	0.022UF 25V Z F TA26	
C139	0CK2230K945	0.022M 50V Z F TS	
C140	0CK4730K945	0.047U 50V Z F TS	
C141	0CC1800K415	18P 50V J NPO	TS
C142	0CK4730K945	0.047U 50V Z F TS	
C143	0CQ1531N409	0.015U 100V J POLY	TP
C144	0CE4756K618	4.7M SMS 50V M FL	TP(5)
C145	0CN1020K518	1000P 50V K B	TA26
C146	0CN2230H948	0.022UF 25V Z F TA26	
C147	0CN2230H948	0.022UF 25V Z F TA26	
C148	0CN2230H948	0.022UF 25V Z F TA26	
C151	0CK1040K945	0.1UF 50V Z F TS	
C152	0CX2700K408	27P 50V J SL	TA26
C153	0CX2700K408	27P 50V J SL	TA26
C154	0CE1066J618	10M SMS 35V M FL	TP(5)
C155	0CN1030F678	0.01M 16V M Y	TA26
C156	0CN2710K518	270P 50V K B	TA26
C157	0CK1030K515	0.01M 50V K B	TS
C158	0CE1046K618	0.1M SMS 50V M FL	TP(5)
C159	0CX2700K408	27P 50V J SL	TA26
C160	0CX2700K408	27P 50V J SL	TA26
C170	0CN2230H948	0.022UF 25V Z F TA26	
C171	0CN2230H948	0.022UF 25V Z F TA26	
C193	0CQ1531N409	0.015U 100V J POLY	TP
C194	0CE4756K618	4.7M SMS 50V M FL	TP(5)
C195	0CN1020K518	1000P 50V K B	TA26
C400	0CE1076F618	100M SMS 16V M FMS	TP(5)
C401	0CK1020K945	1000P 50V Z F	TS
C402	0CE1066J618	10M SMS 35V M FL	TP(5)
C403	0CN3310K518	330P 50V K B	TA26
C404	0CE2266F618	22M SMS 16V M FMS	TP(5)
C405	0CQ1231N409	0.012U 100V J POLY	TP
C406	0CE1066J618	10M SMS 35V M FL	TP(5)
C407	0CQ2731N409	0.027U 100V J POLY	TP
C408	0CN4720F668	4700P 16V M X	TA26
C409	0CE6846K618	0.68M SMS 50V M FL	TP(5)
C410	0CE2246K618	0.22M SMS 50V M FMS	TP(5)
C411	0CE1066J618	10M SMS 35V M FL	TP(5)
C412	0CE2246K618	0.22M SMS 50V M FMS	TP(5)
C413	0CE1056K618	1.0M SMS 50V M FL	TP(5)
C414	0CN1020K518	1000P 50V K B	TA26
C415	0CE1066J618	10M SMS 35V M FL	TP(5)
C416	0CE4746K618	0.47M SMS 50V M FL	TP(5)
C417	0CE1056K618	1.0M SMS 50V M FL	TP(5)
C418	0CE1056K618	1.0M SMS 50V M FL	TP(5)
C419	0CE1076F618	100M SMS 16V M FMS	TP(5)

S	LOCA.NO	PART NO.(GS)	SPECIFICATION
	C420	OCE2266F618	22M SMS 16V M FMS TP(5)
	C421	OCE1066J618	10M SMS 35V M FL TP(5)
	C422	OCE4766F618	47M SMS 16V M FL TP(5)
	C423	OCE4766F618	47M SMS 16V M FL TP(5)
	C424	OCE2246K618	0.22M SMS 50V M FMS TP(5)
	C425	OCE1076F618	100M SMS 16V M FMS TP(5)
	C426	OCE4756K618	4.7M SMS 50V M FL TP(5)
	C427	OCE2256K618	2.2M SMS 50V M FL TP(5)
	C428	OCN1820F668	1800P 16V M X TA26
	C429	OCN1510K518	150P 50V K B TA26
	C430	OCN1210K518	120P 50V K B TA26
	C431	OCN2010K518	220P 50V K B TA26
	C432	OCQ1531N409	0.015U 100V J POLY TP
	C433	OCQ3331N409	0.033U 100V J POLY TP
	C434	OCE477CF618	470UF SHL 16V M FL TP5
	C435	OCQ1831N409	0.018U 100V J POLY TP
	C436	OCQ1621R449	1600P 250V J PYLN TP
	C437	OCN2230H948	0.022UF 25V Z F TA26
	C438	OCE1076D618	100M SMS 10V M FMS TP(5)
	C439	OCE4756K618	4.7M SMS 50V M FL TP(5)
	C440	OCE1066J618	10M SMS 35V M FL TP(5)
	C440	OCE3356K618	3.3M SMS 50V M FL TP(5)
	C441	OCE2266F618	22M SMS 16V M FMS TP(5)
	C441	OCN1020K518	1000P 50V K B TA26
	C442	OCE3366F618	33M SMS 16V M FL TP(5)
	C443	OCE1076D618	100M SMS 10V M FMS TP(5)
	C451	OCK1020K945	1000P 50V Z F TS
	C452	OCE1066J618	10M SMS 35V M FL TP(5)
	C453	OCN3310K518	330P 50V K B TA26
	C454	OCE2266F618	22M SMS 16V M FMS TP(5)
	C455	OCQ1231N409	0.012U 100V J POLY TP
	C456	OCE1066J618	10M SMS 35V M FL TP(5)
	C457	OCQ2731N409	0.027U 100V J POLY TP
	C458	OCN4720F668	4700P 16V M X TA26
	C459	OCE6846K618	0.68M SMS 50V M FL TP(5)
	C460	OCE2246K618	0.22M SMS 50V M FMS TP(5)
	C461	OCE1066J618	10M SMS 35V M FL TP(5)
	C462	OCE2246K618	0.22M SMS 50V M FMS TP(5)
	C463	OCE1056K618	1.0M SMS 50V M FL TP(5)
	C464	OCN1020K518	1000P 50V K B TA26
	C465	OCE1066J618	10M SMS 35V M FL TP(5)
	C466	OCE4746K618	0.47M SMS 50V M FL TP(5)
	C467	OCE1056K618	1.0M SMS 50V M FL TP(5)
	C469	OCN2230H948	0.022UF 25V Z F TA26
	C470	OCN2230H948	0.022UF 25V Z F TA26
	C471	OCN2230H948	0.022UF 25V Z F TA26
	C472	OCN2230H948	0.022UF 25V Z F TA26
	C473	OCN2230H948	0.022UF 25V Z F TA26
	C477	OCE2256K618	2.2M SMS 50V M FL TP(5)
	C478	OCN1820F668	1800P 16V M X TA26
	C479	OCN1510K518	150P 50V K B TA26
	C480	OCN1210K518	120P 50V K B TA26
	C481	OCN2010K518	220P 50V K B TA26
	C490	OCE3356K618	3.3M SMS 50V M FL TP(5)
	C491	OCN1020K518	1000P 50V K B TA26
	C510	OCX3300K408	33P 50V J SL TA26
	C511	OCX5600K409	56PF 50V J SL TA52
	C512	OCX3300K408	33P 50V J SL TA26
	C532	OCN1040K948	0.1UF 50V Z F TA26
	C533	OCE1076D618	100M SMS 10V M FMS TP(5)
	C534	OCN1040K948	0.1UF 50V Z F TA26
	C535	624-034H	GOLD.FMOH473ZTP NEC
	C536	OCE1056K618	1.0M SMS 50V M FL TP(5)
	C537	OCN2230H948	0.022UF 25V Z F TA26
	C538	OCE1056K618	1.0M SMS 50V M FL TP(5)

S	LOCA.NO	PART NO.(GS)	SPECIFICATION
	C541	OCE4756K618	4.7M SMS 50V M FL TP(5)
	C542	OCE4756K618	4.7M SMS 50V M FL TP(5)
	C543	OCE4756K618	4.7M SMS 50V M FL TP(5)
	C553	OCE4756K618	4.7M SMS 50V M FL TP(5)
	C554	OCK1040K945	0.1UF 50V Z F TS
	C555	OCE1046K618	0.1M SMS 50V M FL TP(5)
	C556	OCE1046K618	0.1M SMS 50V M FL TP(5)
	C559	OCE1076D618	100M SMS 10V M FMS TP(5)
	C561	OCK1040K945	0.1UF 50V Z F TS
	C562	OCE2276F618	220M SMS 16V M FMS TP(5)
	C563	OCK1040K945	0.1UF 50V Z F TS
	C571	OCK1040K945	0.1UF 50V Z F TS
	C572	OCE2276F618	220M SMS 16V M FMS TP(5)
	C573	OCK1040K945	0.1UF 50V Z F TS
	C600	OCN2210K518	220P 50V K B TA26
	C601	OCE1056K618	1.0M SMS 50V M FL TP(5)
	C602	OCN1010K518	100P 50V K B TA26
	C603	OCE2256K618	2.2M SMS 50V M FL TP(5)
	C604	OCE2256K618	2.2M SMS 50V M FL TP(5)
	C605	OCE2256K618	2.2M SMS 50V M FL TP(5)
	C606	OCE2256K618	2.2M SMS 50V M FL TP(5)
	C607	OCE2256K618	2.2M SMS 50V M FL TP(5)
	C608	OCE3346K618	0.33M SMS 50V M FL TP(5)
	C609	OCK1040K945	0.1UF 50V Z F TS
	C610	OCN1020K518	1000P 50V K B TA26
	C611	OCE2266F618	22M SMS 16V M FMS TP(5)
	C612	OCE3356K618	3.3M SMS 50V M FL TP(5)
	C613	OCE2256K618	2.2M SMS 50V M FL TP(5)
	C614	OCQ1242N409	0.12UU S 100V J POLY TP
	C615	OCE1056K618	1.0M SMS 50V M FL TP(5)
	C616	OCQ6831N409	0.068U 100V J POLY TP
	C617	OCE3346K618	0.33M SMS 50V M FL TP(5)
	C618	OCQ2231N409	0.022U 100V J POLY TP
	C619	OCQ1242N409	0.12UU S 100V J POLY TP
	C620	OCQ6821N409	0.0068U 100V J POLY TP
	C621	OCQ5631N409	0.056U 100V J POLY TP
	C622	OCQ2721N409	0.0027M 100V J POLY TP
	C623	OCQ1831N409	0.018U 100V J POLY TP
	C624	OCN1220F668	1200P 16V M X TA26
	C625	OCN8220F678	8200P 16V M Y TA26
	C626	OCN4710K518	470P 50V K B TA26
	C627	OCN1520F568	1500P 16V K X TA26
	C628	OCE3356K618	3.3M SMS 50V M FL TP(5)
	C631	OCE3356K618	3.3M SMS 50V M FL TP(5)
	C632	OCE2256K618	2.2M SMS 50V M FL TP(5)
	C633	OCQ1242N409	0.12UU S 100V J POLY TP
	C634	OCE1056K618	1.0M SMS 50V M FL TP(5)
	C635	OCQ6831N409	0.068U 100V J POLY TP
	C636	OCE3346K618	0.33M SMS 50V M FL TP(5)
	C637	OCQ2231N409	0.022U 100V J POLY TP
	C638	OCQ1242N409	0.12UU S 100V J POLY TP
	C639	OCQ6821N409	0.0068U 100V J POLY TP
	C640	OCQ5631N409	0.056U 100V J POLY TP
	C641	OCQ2721N409	0.0027M 100V J POLY TP
	C642	OCQ1831N409	0.018U 100V J POLY TP
	C643	OCN1220F668	1200P 16V M X TA26
	C644	OCN8220F678	8200P 16V M Y TA26
	C645	OCN4710K518	470P 50V K B TA26
	C646	OCN1520F568	1500P 16V K X TA26
	C647	OCE3356K618	3.3M SMS 50V M FL TP(5)
	C648	OCE4766F618	47M SMS 16V M FL TP(5)
	C649	OCE4766F618	47M SMS 16V M FL TP(5)
	C650	OCK1030K945	0.01UF 50V Z F TS
	C650	OCN2210K518	220P 50V K B TA26
	C651	OCE1056K618	1.0M SMS 50V M FL TP(5)

S	LOCA.NO	PART NO.(GS)	SPECIFICATION
C652	OCN1010K518	100P 50V K B	TA26
C653	OCE2256K618	2.2M SMS 50V M FL	TP(5)
C654	OCE2256K618	2.2M SMS 50V M FL	TP(5)
C655	OCE2256K618	2.2M SMS 50V M FL	TP(5)
C656	OCE2256K618	2.2M SMS 50V M FL	TP(5)
C657	OCE2256K618	2.2M SMS 50V M FL	TP(5)
C658	OCE3346K618	0.33M SMS 50V M FL	TP(5)
C659	OCK1040K945	0.1UF 50V Z F TS	
C660	OCK1030K945	0.01UF 50V Z F TS	
C660	OCN1020K518	1000P 50V K B	TA26
C661	OCE3376F618	330M SMS 16V M FMS	TP5
C662	OCE3356K618	3.3M SMS 50V M FL	TP(5)
C663	OCE2256K618	2.2M SMS 50V M FL	TP(5)
C664	OCQ1242N409	0.12UU S 100V J POLY	TP
C665	OCE1056K618	1.0M SMS 50V M FL	TP(5)
C666	OCQ6831N409	0.068U 100V J POLY	TP
C667	OCE3346K618	0.33M SMS 50V M FL	TP(5)
C668	OCQ2231N409	0.022U 100V J POLY	TP
C669	OCQ1242N409	0.12UU S 100V J POLY	TP
C670	OCQ6821N409	0.0068U 100V J POLY	TP
C671	OCQ5631N409	0.056U 100V J POLY	TP
C672	OCQ2721N409	0.0027M 100V J POLY	TP
C673	OCQ1831N409	0.018U 100V J POLY	TP
C674	OCN1220F668	1200P 16V M X	TA26
C675	OCN8220F678	8200P 16V M Y	TA26
C676	OCN4710K518	470P 50V K B	TA26
C677	OCN1520F568	1500P 16V K X	TA26
C678	OCE3356K618	3.3M SMS 50V M FL	TP(5)
C679	OCN2230H948	0.022UF 25V Z F	TA26
C680	OCN2230H948	0.022UF 25V Z F	TA26
C681	OCE3356K618	3.3M SMS 50V M FL	TP(5)
C682	OCE2256K618	2.2M SMS 50V M FL	TP(5)
C683	OCQ1242N409	0.12UU S 100V J POLY	TP
C684	OCE1056K618	1.0M SMS 50V M FL	TP(5)
C685	OCQ6831N409	0.068U 100V J POLY	TP
C686	OCE3346K618	0.33M SMS 50V M FL	TP(5)
C687	OCQ2231N409	0.022U 100V J POLY	TP
C688	OCQ1242N409	0.12UU S 100V J POLY	TP
C689	OCQ6821N409	0.0068U 100V J POLY	TP
C690	OCQ5631N409	0.056U 100V J POLY	TP
C691	OCQ2721N409	0.0027M 100V J POLY	TP
C692	OCQ1831N409	0.018U 100V J POLY	TP
C693	OCN1220F668	1200P 16V M X	TA26
C694	OCN8220F678	8200P 16V M Y	TA26
C695	OCN4710K518	470P 50V K B	TA26
C696	OCN1520F568	1500P 16V K X	TA26
C697	OCE3356K618	3.3M SMS 50V M FL	TP(5)
C700	OCN1020K518	1000P 50V K B	TA26
C701	624T001A	0.477F 50V M TP2.5 KRE	(105)
C702	624T001C	227F 16V M TP2.5 KRE	(105)
C703	OCQ1041N409	0.1U 100V J POLY	TP
C706	OCN1020K518	1000P 50V K B	TA26
C707	624T001A	0.477F 50V M TP2.5 KRE	(105)
C708	624T001C	227F 16V M TP2.5 KRE	(105)
C709	OCQ1041N409	0.1U 100V J POLY	TP
C712	OCE4766K618	47M SMS 50V M FMS	TP(5)
C713	OCK1030W945	0.01UF 500V Z F TS	
C714	OCE1076K618	100UF SMS 50V M FL	TP5
C715	OCE1076J618	100UF SMS 35V M FM(5)	TP(5)
C716	OCE1076J618	100UF SMS 35V M FM(5)	TP(5)
C717	OCQ1031N409	0.01U 100V J POLY	TP
C718	OCQ1031N409	0.01U 100V J POLY	TP
C719	OCQ1031N409	0.01U 100V J POLY	TP
C720	OCQ1031N409	0.01U 100V J POLY	TP
C721	OCE478CJ650	4700UF SHL 35V M FM7.5	BULK

S	LOCA.NO	PART NO.(GS)	SPECIFICATION
C722	OCE478CJ650	4700UF SHL 35V M FM7.5	BULK
C723	OCE1073F619	100UF SRE 16V M FL	TP2.5
C724	OCE1073F619	100UF SRE 16V M FL	TP2.5
C726	OCE3366F618	33M SMS 16V M FL	TP(5)
C728	OCE1073F619	100UF SRE 16V M FL	TP2.5
C729	OCE477CF618	470UF SHL 16V M FL	TP5
C731	OCE3356K618	3.3M SMS 50V M FL	TP(5)
C733	OCE2266F618	22M SMS 16V M FMS	TP(5)
C734	OCE3356K618	3.3M SMS 50V M FL	TP(5)
C736	OCE2266F618	22M SMS 16V M FMS	TP(5)
C740	OCE1076D618	100M SMS 10V M FMS	TP(5)
C741	OCN2230H948	0.022UF 25V Z F	TA26
C742	OCN2230H948	0.022UF 25V Z F	TA26
C743	OCK2230K945	0.022M 50V Z F TS	
C750	OCN1030F678	0.01M 16V M Y	TA26
C751	624T001A	0.477F 50V M TP2.5 KRE	(105)
C752	624T001C	227F 16V M TP2.5 KRE	(105)
C753	OCQ1041N409	0.1U 100V J POLY	TP
C756	OCN1030F678	0.01M 16V M Y	TA26
C757	624T001A	0.477F 50V M TP2.5 KRE	(105)
C758	624T001C	227F 16V M TP2.5 KRE	(105)
C759	OCQ1041N409	0.1U 100V J POLY	TP
C762	OCE1073F619	100UF SRE 16V M FL	TP2.5
C765	OCE1076F618	100M SMS 16V M FMS	TP(5)
C768	OCE1073F619	100UF SRE 16V M FL	TP2.5
C771	OCX1000K408	10P 50V J SL	TA26
C772	OCX1000K408	10P 50V J SL	TA26
C773	OCN2210K518	220P 50V K B	TA26
C774	OCN2210K518	220P 50V K B	TA26
C776	OCN2230H948	0.022UF 25V Z F	TA26
C777	OCN2210K518	220P 50V K B	TA26
C778	OCN2210K518	220P 50V K B	TA26
C780	OCN2230H948	0.022UF 25V Z F	TA26
C781	OCN2230H948	0.022UF 25V Z F	TA26
C782	OCN2230H948	0.022UF 25V Z F	TA26
C783	OCN2230H948	0.022UF 25V Z F	TA26
C784	OCE3376F618	330M SMS 16V M FMS	TP5
C785	OCN2230H948	0.022UF 25V Z F	TA26
C786	OCX1210K405	120P 50V J SL	TS
C787	OCN2230H948	0.022UF 25V Z F	TA26
C788	OCN2230H948	0.022UF 25V Z F	TA26
C789	OCN2230H948	0.022UF 25V Z F	TA26
C799	OCX1210K405	120P 50V J SL	TS
C801	OCN1020K518	1000P 50V K B	TA26
C802	OCE4766D618	47M SMS 10V M FL	TP(5)
C803	OCE4766D618	47M SMS 10V M FL	TP(5)
C811	OCE1076D618	100M SMS 10V M FMS	TP(5)
C812	OCN1030F678	0.01M 16V M Y	TA26
C813	OCE4766D618	47M SMS 10V M FL	TP(5)
C814	OCN1030F678	0.01M 16V M Y	TA26
C815	OCX2200K408	22P 50V J SL	TP26
C816	OCX2R20K418	2.2P 50V K NP0	TA26
C817	OCN6820F668	6800P 16V M X	TA26
C818	OCN6820F668	6800P 16V M X	TA26
C821	OCQ1042N409	0.1000UF S 100V J PE	TP
C822	OCQ1042N409	0.1000UF S 100V J PE	TP
C823	OCN1210K518	120P 50V K B	TA26
C824	OCQ1042N409	0.1000UF S 100V J PE	TP
C825	OCN8200K418	82P 50V J B	TA26
C826	OCQ6831N409	0.068U 100V J POLY	TP
C827	OCE1066J618	10M SMS 35V M FL	TP(5)
C828	OCN1020K518	1000P 50V K B	TA26
C829	OCN1030F678	0.01M 16V M Y	TA26
C830	OCE4766D618	47M SMS 10V M FL	TP(5)
C831	OCQ3331N409	0.033U 100V J POLY	TP

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	C832	OCQ1031N409	0.01U 100V J POLY TP
	C833	OCQ3331N409	0.033U 100V J POLY TP
	C834	OCN2220F668	2200P 16V M X TA26
	C835	OCN1030F678	0.01M 16V M Y TA26
	C836	OCQ1042N409	0.1000UF S 100V J PE TP
	C837	OCN6820F668	6800P 16V M X TA26
	C838	OCN4720F668	4700P 16V M X TA26
	C839	OCQ3331N409	0.033U 100V J POLY TP
	C840	OCQ1042N409	0.1000UF S 100V J PE TP
	C841	OCE4756K618	4.7M SMS 50V M FL TP(5)
	C842	OCQ1231N409	0.012U 100V J POLY TP
	C843	OCN2230H948	0.022UF 25V Z F TA26
	C844	OCE1076F618	100M SMS 16V M FMS TP(5)
	C845	OCN1220F668	1200P 16V M X TA26
	C846	OCX2000K418	20P 50V J NPO TA26
	C847	OCE3376F618	330M SMS 16V M FMS TP5
	C848	OCN1030F678	0.01M 16V M Y TA26
	C849	OCN4710K518	470P 50V K B TA26
	C850	OCN1030F678	0.01M 16V M Y TA26
	C851	OCQ4731N409	0.047U 100V J POLY TP
	C852	OCN1820F668	1800P 16V M X TA26
	C853	OCQ1031N409	0.01U 100V J POLY TP
	C854	OCE4746K618	0.47M SMS 50V M FL TP(5)
	C855	OCE4746K618	0.47M SMS 50V M FL TP(5)
	C856	OCE1076D618	100M SMS 10V M FMS TP(5)
	C857	OCX3300K408	33P 50V J SL TA26
	C858	OCX3300K408	33P 50V J SL TA26
	C859	OCE1076D618	100M SMS 10V M FMS TP(5)
	C860	OCN1040K948	0.1UF 50V Z F TA26
	C861	OCE1076D618	100M SMS 10V M FMS TP(5)
	C862	OCN1020K518	1000P 50V K B TA26
	C863	OCE1076D618	100M SMS 10V M FMS TP(5)
	C864	OCE1076D618	100M SMS 10V M FMS TP(5)
	C871	OCE1076F618	100M SMS 16V M FMS TP(5)
	C872	OCE1076F618	100M SMS 16V M FMS TP(5)
	C873	OCE1076D618	100M SMS 10V M FMS TP(5)
	C873	OCE1076F618	100M SMS 16V M FMS TP(5)
	C874	OCE3376F618	330M SMS 16V M FMS TP5
	C874	OCN1020K518	1000P 50V K B TA26
	C875	OCE1066J618	10M SMS 35V M FL TP(5)
	C881	OCN1020K518	1000P 50V K B TA26
	C882	OCE2266F618	22M SMS 16V M FMS TP(5)
	C883	OCN1020K518	1000P 50V K B TA26
	C884	OCN1010K518	100P 50V K B TA26
	C885	OCE1066J618	10M SMS 35V M FL TP(5)
	C890	OCE1066J618	10M SMS 35V M FL TP(5)
	C891	OCN1020K518	1000P 50V K B TA26
	C892	OCE2266F618	22M SMS 16V M FMS TP(5)
	C893	OCN1020K518	1000P 50V K B TA26
	C894	OCN1010K518	100P 50V K B TA26
	C895	OCE1066J618	10M SMS 35V M FL TP(5)
	C896	OCN1030F678	0.01M 16V M Y TA26
RESISTORS			
	R100	ORD3300F608	330 1/6W 5 TA26
	R101	ORD3301F608	3.3K 1/6W 5 TA26
	R102	ORD3300F608	330 1/6W 5 TA26
	R103	ORD3300F608	330 1/6W 5 TA26
	R104	ORD0222F608	22 1/6W 5 TA26
	R105	ORD1200F608	120 1/6W 5 TA26
	R106	ORD0472F608	47 1/6W 5 TA26
	R107	ORD5600F608	560 1/6W 5 TA26
	R108	ORD4702F608	47K 1/6W 5 TA26

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	R109	ORD1001F608	1.0K 1/6W 5 TA26
	R110	ORD1003F608	100K 1/6W 5 TA26
	R111	ORD6801F608	6.8K 1/6W 5 TA26
	R112	ORD2201F608	2.2K 1/6W 5 TA26
	R113	ORD1002F608	10K 1/6W 5 TA26
	R114	ORD1002F608	10K 1/6W 5 TA26
	R115	ORD2700F608	270 1/6W 5 TA26
	R116	ORD3301F608	3.3K 1/6W 5 TA26
	R117	ORD1002F608	10K 1/6W 5 TA26
	R118	ORD4703F608	470K 1/6W 5 TA26
	R119	ORD1502F608	15K 1/6W 5 TA26
	R120	ORD6800F608	680 1/6W 5 TA26
	R121	ORD5601F608	5.6K 1/6W 5 TA26
	R122	ORD4702F608	47K 1/6W 5 TA26
	R123	ORD1002F608	10K 1/6W 5 TA26
	R124	ORD4702F608	47K 1/6W 5 TA26
	R125	ORD4702F608	47K 1/6W 5 TA26
	R126	ORD1001F608	1.0K 1/6W 5 TA26
	R127	ORD1001F608	1.0K 1/6W 5 TA26
	R128	ORD1001F608	1.0K 1/6W 5 TA26
	R129	ORD1001F608	1.0K 1/6W 5 TA26
	R130	ORD1002F608	10K 1/6W 5 TA26
	R131	ORD1501F608	1.5K 1/6W 5 TA26
	R132	ORD1501F608	1.5K 1/6W 5 TA26
	R133	ORD5600F608	560 1/6W 5 TA26
	R134	ORD2201F608	2.2K 1/6W 5 TA26
	R135	ORD3301F608	3.3K 1/6W 5 TA26
	R136	ORD1002F608	10K 1/6W 5 TA26
	R137	ORD5601F608	5.6K 1/6W 5 TA26
	R138	ORD3301F608	3.3K 1/6W 5 TA26
	R140	ORD1001F608	1.0K 1/6W 5 TA26
	R141	ORD4701F608	4.7K 1/6W 5 TA26
	R142	ORD5601F608	5.6K 1/6W 5 TA26
	R143	ORD0332F608	33 1/6W 5 TA26
	R151	ORD2204F608	2.2M 1/6W 5 TA26
	R152	ORD1001F608	1.0K 1/6W 5 TA26
	R153	ORD1001F608	1.0K 1/6W 5 TA26
	R154	ORD1002F608	10K 1/6W 5 TA26
	R187	ORD5601F608	5.6K 1/6W 5 TA26
	R188	ORD3301F608	3.3K 1/6W 5 TA26
	R401	ORD1003F608	100K 1/6W 5 TA26
	R402	ORD1202F608	12K 1/6W 5 TA26
	R403	ORD1500F608	150 1/6W 5 TA26
	R404	ORD3303F608	330K 1/6W 5 TA26
	R405	ORD3303F608	330K 1/6W 5 TA26
	R406	ORD4700F608	470 1/6W 5 TA26
	R407	ORD3301F608	3.3K 1/6W 5 TA26
	R408	ORD2701F608	2.7K 1/6W 5 TA26
	R409	ORD5601F608	5.6K 1/6W 5 TA26
	R411	ORD1002F608	10K 1/6W 5 TA26
	R412	ORD1202F608	12K 1/6W 5 TA26
	R414	ORD1802F608	18K 1/6W 5 TA26
	R415	ORD2202F608	22K 1/6W 5 TA26
	R416	ORD4702F608	47K 1/6W 5 TA26
	R417	ORD1002F608	10K 1/6W 5 TA26
	R418	ORD2201F608	2.2K 1/6W 5 TA26
	R419	ORD2202F608	22K 1/6W 5 TA26
	R420	ORD6802F608	68K 1/6W 5 TA26
	R421	ORD5601F608	5.6K 1/6W 5 TA26
	R422	ORD5601F608	5.6K 1/6W 5 TA26
	R423	ORD2702F608	27K 1/6W 5 TA26
	R424	ORD2402F608	24K 1/6W 5 TA26
	R425	ORD1000F608	100 1/6W 5 TA26
	R426	ORD1001F608	1.0K 1/6W 5 TA26
	R427	ORD1001F608	1.0K 1/6W 5 TA26

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R428	ORD2201F608	2.2K 1/6W 5	TA26
R429	ORD3901F608	3.9K 1/6W 5	TA26
R430	ORD2201F608	2.2K 1/6W 5	TA26
R431	ORD0471F608	4.7 1/6W 5	TA26
R432	ORD0222F608	22 1/6W 5	TA26
R433	ORD1502F608	15K 1/6W 5	TA26
R434	ORD1002F608	10K 1/6W 5	TA26
R435	ORD1002F608	10K 1/6W 5	TA26
R436	ORD1001F608	1.0K 1/6W 5	TA26
R437	ORD1002F608	10K 1/6W 5	TA26
R438	ORD3902F608	39K 1/6W 5	TA26
R439	ORD4702F608	47K 1/6W 5	TA26
R440	ORD4701F608	4.7K 1/6W 5	TA26
R440	ORD4702F608	47K 1/6W 5	TA26
R441	ORD8201F608	8.2K 1/6W 5	TA26
R442	ORD8201F608	8.2K 1/6W 5	TA26
R443	ORD8201F608	8.2K 1/6W 5	TA26
R444	ORD4700F608	470 1/6W 5	TA26
R445	ORD2202F608	22K 1/6W 5	TA26
R446	ORD1002F608	10K 1/6W 5	TA26
R451	ORD1003F608	100K 1/6W 5	TA26
R452	ORD1202F608	12K 1/6W 5	TA26
R453	ORD1500F608	150 1/6W 5	TA26
R454	ORD3303F608	330K 1/6W 5	TA26
R455	ORD3303F608	330K 1/6W 5	TA26
R457	ORD3301F608	3.3K 1/6W 5	TA26
R458	ORD2701F608	2.7K 1/6W 5	TA26
R459	ORD5601F608	5.6K 1/6W 5	TA26
R461	ORD1002F608	10K 1/6W 5	TA26
R462	ORD1202F608	12K 1/6W 5	TA26
R464	ORD2202F608	22K 1/6W 5	TA26
R465	ORD2202F608	22K 1/6W 5	TA26
R466	ORD4702F608	47K 1/6W 5	TA26
R467	ORD1002F608	10K 1/6W 5	TA26
R468	ORD2201F608	2.2K 1/6W 5	TA26
R470	ORD6802F608	68K 1/6W 5	TA26
R471	ORD5601F608	5.6K 1/6W 5	TA26
R472	ORD5601F608	5.6K 1/6W 5	TA26
R473	ORD2702F608	27K 1/6W 5	TA26
R487	ORD1002F608	10K 1/6W 5	TA26
R488	ORD3902F608	39K 1/6W 5	TA26
R489	ORD4702F608	47K 1/6W 5	TA26
R490	ORD5602F608	56K 1/6W 5	TA26
R491	ORD3902F608	39K 1/6W 5	TA26
R492	ORD1802F608	18K 1/6W 5	TA26
R493	ORD8201F608	8.2K 1/6W 5	TA26
R494	ORD8201F608	8.2K 1/6W 5	TA26
R495	ORD4701F608	4.7K 1/6W 5	TA26
R496	ORD4701F608	4.7K 1/6W 5	TA26
R500	ORD1002F608	10K 1/6W 5	TA26
R501	ORD1002F608	10K 1/6W 5	TA26
R502	ORD1002F608	10K 1/6W 5	TA26
R503	ORD1002F608	10K 1/6W 5	TA26
R504	ORD1001F608	1.0K 1/6W 5	TA26
R505	ORD1001F608	1.0K 1/6W 5	TA26
R506	ORD4702F608	47K 1/6W 5	TA26
R507	ORD1002F608	10K 1/6W 5	TA26
R508	ORD1002F608	10K 1/6W 5	TA26
R509	ORD1002F608	10K 1/6W 5	TA26
R510	ORD1002F608	10K 1/6W 5	TA26
R511	ORD1002F608	10K 1/6W 5	TA26
R512	ORD2202F608	22K 1/6W 5	TA26
R513	ORD2201F608	2.2K 1/6W 5	TA26
R514	ORD2201F608	2.2K 1/6W 5	TA26
R515	ORD2201F608	2.2K 1/6W 5	TA26

S	LOCA.NO	PART NO.(GS)	SPECIFICATION
R516	ORD2201F608	2.2K 1/6W 5	TA26
R517	ORD1002F608	10K 1/6W 5	TA26
R518	ORD1001F608	1.0K 1/6W 5	TA26
R519	ORD1001F608	1.0K 1/6W 5	TA26
R520	ORD1001F608	1.0K 1/6W 5	TA26
R521	ORD1801F608	1.8K 1/6W 5	TA26
R522	ORD8201F608	8.2K 1/6W 5	TA26
R523	ORD1002F608	10K 1/6W 5	TA26
R524	ORD8200F608	820 1/6W 5	TA26
R525	ORD8200F608	820 1/6W 5	TA26
R526	ORD8200F608	820 1/6W 5	TA26
R527	ORD8200F608	820 1/6W 5	TA26
R528	ORD1002F608	10K 1/6W 5	TA26
R529	ORD1002F608	10K 1/6W 5	TA26
R530	ORD1002F608	10K 1/6W 5	TA26
R531	ORD6800F608	680 1/6W 5	TA26
R532	ORD8200F608	820 1/6W 5	TA26
R533	ORD1201F608	1.2K 1/6W 5	TA26
R534	ORD1501F608	1.5K 1/6W 5	TA26
R535	ORD2201F608	2.2K 1/6W 5	TA26
R536	ORD3301F608	3.3K 1/6W 5	TA26
R537	ORD4701F608	4.7K 1/6W 5	TA26
R538	ORD8201F608	8.2K 1/6W 5	TA26
R539	ORD1502F608	15K 1/6W 5	TA26
R540	ORD2702F608	27K 1/6W 5	TA26
R541	ORD6800F608	680 1/6W 5	TA26
R542	ORD8200F608	820 1/6W 5	TA26
R543	ORD1201F608	1.2K 1/6W 5	TA26
R544	ORD1501F608	1.5K 1/6W 5	TA26
R545	ORD2201F608	2.2K 1/6W 5	TA26
R546	ORD3301F608	3.3K 1/6W 5	TA26
R547	ORD4701F608	4.7K 1/6W 5	TA26
R548	ORD8201F608	8.2K 1/6W 5	TA26
R549	ORD1502F608	15K 1/6W 5	TA26
R550	ORD2702F608	27K 1/6W 5	TA26
R551	ORD6802F608	68K 1/6W 5	TA26
R552	ORD1001F608	1.0K 1/6W 5	TA26
R553	ORD1002F608	10K 1/6W 5	TA26
R554	ORD1002F608	10K 1/6W 5	TA26
R555	ORD1001F608	1.0K 1/6W 5	TA26
R556	ORD4702F608	47K 1/6W 5	TA26
R557	ORD1002F608	10K 1/6W 5	TA26
R558	ORD1802F608	18K 1/6W 5	TA26
R559	ORD1802F608	18K 1/6W 5	TA26
R560	ORD1002F608	10K 1/6W 5	TA26
R561	ORD0681F608	6.8 1/6W 5	TA26
R564	ORD1001F608	1.0K 1/6W 5	TA26
R565	ORD1001F608	1.0K 1/6W 5	TA26
R567	ORD1001F608	1.0K 1/6W 5	TA26
R568	ORD1001F608	1.0K 1/6W 5	TA26
R569	ORD3301F608	3.3K 1/6W 5	TA26
R570	ORD1002F608	10K 1/6W 5	TA26
R571	ORD0681F608	6.8 1/6W 5	TA26
R574	ORD1002F608	10K 1/6W 5	TA26
R575	ORD1002F608	10K 1/6W 5	TA26
R577	ORD1002F608	10K 1/6W 5	TA26
R578	ORD1002F608	10K 1/6W 5	TA26
R579	ORD1002F608	10K 1/6W 5	TA26
R580	ORD1002F608	10K 1/6W 5	TA26
R581	ORD1002F608	10K 1/6W 5	TA26
R582	ORD0681F608	6.8 1/6W 5	TA26
R583	ORD0681F608	6.8 1/6W 5	TA26
R584	ORD0681F608	6.8 1/6W 5	TA26
R585	ORD8200F608	820 1/6W 5	TA26
R586	ORD8200F608	820 1/6W 5	TA26

S	LOCA.NO	PART NO.(GS)	SPECIFICATION
	R587	ORD1801F608	1.8K 1/6W 5 TA26
	R588	ORD1002F608	10K 1/6W 5 TA26
	R589	ORD0681F608	6.8 1/6W 5 TA26
	R591	ORD1002F608	10K 1/6W 5 TA26
	R592	ORD1002F608	10K 1/6W 5 TA26
	R593	ORD1002F608	10K 1/6W 5 TA26
	R594	ORD1002F608	10K 1/6W 5 TA26
	R595	ORD1002F608	10K 1/6W 5 TA26
	R596	ORD1002F608	10K 1/6W 5 TA26
	R597	ORD1002F608	10K 1/6W 5 TA26
	R598	ORD1002F608	10K 1/6W 5 TA26
	R600	ORD2703F608	270K 1/6W 5 TA26
	R601	ORD3302F608	33K 1/6W 5 TA26
	R602	ORD4702F608	47K 1/6W 5 TA26
	R603	ORD1001F608	1.0K 1/6W 5 TA26
	R604	ORD5601F608	5.6K 1/6W 5 TA26
	R605	ORD1000F608	100 1/6W 5 TA26
	R606	ORD1002F608	10K 1/6W 5 TA26
	R606	ORD3301F608	3.3K 1/6W 5 TA26
	R607	ORD2202F608	22K 1/6W 5 TA26
	R607	ORD2202F608	22K 1/6W 5 TA26
	R608	ORD1001F608	1.0K 1/6W 5 TA26
	R609	ORD1002F608	10K 1/6W 5 TA26
	R610	ORD1202F608	12K 1/6W 5 TA26
	R611	ORD1502F608	15K 1/6W 5 TA26
	R612	ORD4701F608	4.7K 1/6W 5 TA26
	R613	ORD3301F608	3.3K 1/6W 5 TA26
	R614	ORD1802F608	18K 1/6W 5 TA26
	R615	ORD1802F608	18K 1/6W 5 TA26
	R616	ORD1001F608	1.0K 1/6W 5 TA26
	R617	ORD6801F608	6.8K 1/6W 5 TA26
	R618	ORD1202F608	12K 1/6W 5 TA26
	R619	ORD0102F608	10 1/6W 5 TA26
	R620	ORD2202F608	22K 1/6W 5 TA26
	R621	ORD3301F608	3.3K 1/6W 5 TA26
	R622	ORD4702F608	47K 1/6W 5 TA26
	R623	ORD5600F608	560 1/6W 5 TA26
	R624	ORD3301F608	3.3K 1/6W 5 TA26
	R625	ORD0102F608	10 1/6W 5 TA26
	R626	ORD2202F608	22K 1/6W 5 TA26
	R627	ORD0102F608	10 1/6W 5 TA26
	R628	ORD2202F608	22K 1/6W 5 TA26
	R629	ORD0102F608	10 1/6W 5 TA26
	R630	ORD2202F608	22K 1/6W 5 TA26
	R631	ORD0102F608	10 1/6W 5 TA26
	R632	ORD2202F608	22K 1/6W 5 TA26
	R633	ORD3301F608	3.3K 1/6W 5 TA26
	R634	ORD1502F608	15K 1/6W 5 TA26
	R635	ORD1502F608	15K 1/6W 5 TA26
	R636	ORD4701F608	4.7K 1/6W 5 TA26
	R637	ORD1802F608	18K 1/6W 5 TA26
	R638	ORD2201F608	2.2K 1/6W 5 TA26
	R639	ORD3301F608	3.3K 1/6W 5 TA26
	R640	ORD4702F608	47K 1/6W 5 TA26
	R641	ORD5600F608	560 1/6W 5 TA26
	R642	ORD1002F608	10K 1/6W 5 TA26
	R643	ORD1502F608	15K 1/6W 5 TA26
	R644	ORD1502F608	15K 1/6W 5 TA26
	R645	ORD3301F608	3.3K 1/6W 5 TA26
	R650	ORD2703F608	270K 1/6W 5 TA26
	R651	ORD3302F608	33K 1/6W 5 TA26
	R652	ORD4702F608	47K 1/6W 5 TA26
	R653	ORD1001F608	1.0K 1/6W 5 TA26
	R654	ORD5601F608	5.6K 1/6W 5 TA26
	R655	ORD3301F608	3.3K 1/6W 5 TA26

S	LOCA.NO	PART NO.(GS)	SPECIFICATION
	R656	ORD1002F608	10K 1/6W 5 TA26
	R656	ORD3301F608	3.3K 1/6W 5 TA26
	R657	ORD2202F608	22K 1/6W 5 TA26
	R657	ORD2202F608	22K 1/6W 5 TA26
	R658	ORD1001F608	1.0K 1/6W 5 TA26
	R659	ORD1002F608	10K 1/6W 5 TA26
	R660	ORD1202F608	12K 1/6W 5 TA26
	R661	ORD1502F608	15K 1/6W 5 TA26
	R662	ORD4701F608	4.7K 1/6W 5 TA26
	R663	ORD3301F608	3.3K 1/6W 5 TA26
	R664	ORD1802F608	18K 1/6W 5 TA26
	R665	ORD1802F608	18K 1/6W 5 TA26
	R666	ORD1001F608	1.0K 1/6W 5 TA26
	R667	ORD6801F608	6.8K 1/6W 5 TA26
	R668	ORD1202F608	12K 1/6W 5 TA26
	R669	ORD0102F608	10 1/6W 5 TA26
	R670	ORD2202F608	22K 1/6W 5 TA26
	R671	ORD3301F608	3.3K 1/6W 5 TA26
	R672	ORD4702F608	47K 1/6W 5 TA26
	R673	ORD5600F608	560 1/6W 5 TA26
	R674	ORD3301F608	3.3K 1/6W 5 TA26
	R675	ORD0102F608	10 1/6W 5 TA26
	R676	ORD2202F608	22K 1/6W 5 TA26
	R677	ORD0102F608	10 1/6W 5 TA26
	R678	ORD2202F608	22K 1/6W 5 TA26
	R679	ORD0102F608	10 1/6W 5 TA26
	R680	ORD2202F608	22K 1/6W 5 TA26
	R681	ORD0102F608	10 1/6W 5 TA26
	R682	ORD2202F608	22K 1/6W 5 TA26
	R683	ORD3301F608	3.3K 1/6W 5 TA26
	R684	ORD1502F608	15K 1/6W 5 TA26
	R685	ORD1502F608	15K 1/6W 5 TA26
	R686	ORD4701F608	4.7K 1/6W 5 TA26
	R687	ORD1802F608	18K 1/6W 5 TA26
	R688	ORD2201F608	2.2K 1/6W 5 TA26
	R689	ORD3301F608	3.3K 1/6W 5 TA26
	R690	ORD4702F608	47K 1/6W 5 TA26
	R691	ORD5600F608	560 1/6W 5 TA26
	R692	ORD1002F608	10K 1/6W 5 TA26
	R693	ORD1003F608	100K 1/6W 5 TA26
	R694	ORD1001F608	1.0K 1/6W 5 TA26
	R695	ORD2200F608	220 1/6W 5 TA26
	R696	ORD1003F608	100K 1/6W 5 TA26
	R697	ORD1001F608	1.0K 1/6W 5 TA26
	R698	ORD2200F608	220 1/6W 5 TA26
	R701	ORD2202F608	22K 1/6W 5 TA26
	R703	ORD5600F608	560 1/6W 5 TA26
	R704	ORD1002F608	10K 1/6W 5 TA26
	R705	ORD0561F608	5.6 1/6W 5 TA26
	R706	ORD0561F608	5.6 1/6W 5 TA26
	R708	ORD2202F608	22K 1/6W 5 TA26
	R709	ORD5600F608	560 1/6W 5 TA26
	R710	ORD1002F608	10K 1/6W 5 TA26
	R711	ORD0561F608	5.6 1/6W 5 TA26
	R712	ORD0561F608	5.6 1/6W 5 TA26
	R714	ORD5602F608	56K 1/6W 5 TA26
	R715	ORD1002F608	10K 1/6W 5 TA26
	R716	ORD1002F608	10K 1/6W 5 TA26
	R717	ORD3301F608	3.3K 1/6W 5 TA26
	R718	ORD5600F608	560 1/6W 5 TA26
	R719	ORD3302F608	33K 1/6W 5 TA26
	R720	ORD6801F608	6.8K 1/6W 5 TA26
	R721	ORD5601F608	5.6K 1/6W 5 TA26
	R722	ORD2202F608	22K 1/6W 5 TA26
	R723	ORD3302F608	33K 1/6W 5 TA26

S	LOCA.NO	PART NO.(GS)	SPECIFICATION
R724	ORD3903F608	390K 1/6W 5	TA26
R725	ORD2201F608	2.2K 1/6W 5	TA26
R726	ORD1503F608	150K 1/6W 5	TA26
R727	ORD5601F608	5.6K 1/6W 5	TA26
R728	ORD5601F608	5.6K 1/6W 5	TA26
R729	ORD1502F608	15K 1/6W 5	TA26
R730	ORD1502F608	15K 1/6W 5	TA26
R731	ORD1003F608	100K 1/6W 5	TA26
R732	ORD1002F608	10K 1/6W 5	TA26
R733	ORD2201F608	2.2K 1/6W 5	TA26
R734	ORD2202F608	22K 1/6W 5	TA26
R751	ORD2202F608	22K 1/6W 5	TA26
R753	ORD5600F608	560 1/6W 5	TA26
R754	ORD1002F608	10K 1/6W 5	TA26
R755	ORD0561F608	5.6 1/6W 5	TA26
R756	ORD0561F608	5.6 1/6W 5	TA26
R758	ORD2202F608	22K 1/6W 5	TA26
R759	ORD5600F608	560 1/6W 5	TA26
R760	ORD1002F608	10K 1/6W 5	TA26
R761	ORD0561F608	5.6 1/6W 5	TA26
R762	ORD0561F608	5.6 1/6W 5	TA26
R764	ORD5602F608	56K 1/6W 5	TA26
R770	ORD1201F608	1.2K 1/6W 5	TA26
R771	ORD1201F608	1.2K 1/6W 5	TA26
R801	ORD0912F608	91 1/6W 5	TA26
R802	ORD0222F608	22 1/6W 5	TA26
R804	ORD6802F608	68K 1/6W 5	TA26
R805	ORD6802F608	68K 1/6W 5	TA26
R806	ORD4302F608	43K 1/6W 5	TA26
R807	ORD4302F608	43K 1/6W 5	TA26
R808	ORD4302F608	43K 1/6W 5	TA26
R809	ORD4302F608	43K 1/6W 5	TA26
R811	ORD1802F608	18K 1/6W 5	TA26
R812	ORD1802F608	18K 1/6W 5	TA26
R813	ORD8201F608	8.2K 1/6W 5	TA26
R814	ORD1202F608	12K 1/6W 5	TA26
R815	ORD2201F608	2.2K 1/6W 5	TA26
R816	ORD1001F608	1.0K 1/6W 5	TA26
R817	ORD1001F608	1.0K 1/6W 5	TA26
R818	ORD2202F608	22K 1/6W 5	TA26
R820	ORD2201F608	2.2K 1/6W 5	TA26
R821	ORD8202F608	82K 1/6W 5	TA26
R822	ORD6802F608	68K 1/6W 5	TA26
R823	ORD1802F608	18K 1/6W 5	TA26
R824	ORD1203F608	120K 1/6W 5	TA26
R825	ORD4702F608	47K 1/6W 5	TA26
R826	ORD1003F608	100K 1/6W 5	TA26
R827	ORD5103F608	510K 1/6W 5	TA26
R828	ORD1803F608	180K 1/6W 5	TA26
R829	ORD1001F608	1.0K 1/6W 5	TA26
R830	ORD3303F608	330K 1/6W 5	TA26
R831	ORD2203F608	220K 1/6W 5	TA26
R832	ORD2202F608	22K 1/6W 5	TA26
R833	ORD3302F608	33K 1/6W 5	TA26
R834	ORD1002F608	10K 1/6W 5	TA26
R835	ORD3302F608	33K 1/6W 5	TA26
R836	ORD4701F608	4.7K 1/6W 5	TA26
R837	ORD4702F608	47K 1/6W 5	TA26
R838	ORD3901F608	3.9K 1/6W 5	TA26
R839	ORD6801F608	6.8K 1/6W 5	TA26
R851	ORD1203F608	120K 1/6W 5	TA26
R852	ORD3301F608	3.3K 1/6W 5	TA26
R853	ORD3301F608	3.3K 1/6W 5	TA26
R854	ORD1003F608	100K 1/6W 5	TA26
R855	ORD5601F608	5.6K 1/6W 5	TA26

S	LOCA.NO	PART NO.(GS)	SPECIFICATION
R861	ORD1001F608	1.0K 1/6W 5	TA26
R862	ORD1001F608	1.0K 1/6W 5	TA26
R863	ORD1001F608	1.0K 1/6W 5	TA26
R864	ORD1002F608	10K 1/6W 5	TA26
R865	ORD3300F608	330 1/6W 5	TA26
R866	ORD3300F608	330 1/6W 5	TA26
R867	ORD3300F608	330 1/6W 5	TA26
R868	ORD3300F608	330 1/6W 5	TA26
R869	ORD3300F608	330 1/6W 5	TA26
R870	ORD3300F608	330 1/6W 5	TA26
R871	ORD1000F608	100 1/6W 5	TA26
R872	ORD5600F608	560 1/6W 5	TA26
R872	ORD5602F608	56K 1/6W 5	TA26
R873	ORD2201F608	2.2K 1/6W 5	TA26
R874	ORD0472F608	47 1/6W 5	TA26
R875	ORD1001F608	1.0K 1/6W 5	TA26
R876	ORD1002F608	10K 1/6W 5	TA26
R876	ORD1202F608	12K 1/6W 5	TA26
R877	ORD1202F608	12K 1/6W 5	TA26
R881	ORD1502F608	15K 1/6W 5	TA26
R882	ORD1502F608	15K 1/6W 5	TA26
R883	ORD2202F608	22K 1/6W 5	TA26
R884	ORD1002F608	10K 1/6W 5	TA26
R885	ORD1000F608	100 1/6W 5	TA26
R886	ORD1003F608	100K 1/6W 5	TA26
R891	ORD1502F608	15K 1/6W 5	TA26
R892	ORD1502F608	15K 1/6W 5	TA26
R893	ORD2202F608	22K 1/6W 5	TA26
R894	ORD1002F608	10K 1/6W 5	TA26
R895	ORD1000F608	100 1/6W 5	TA26
R896	ORD1003F608	100K 1/6W 5	TA26

ANTENNA COILS

FB101	631T603F	4EAD CORE,BF45TS-2.6X6X0.8 TDK
FB401	631T603F	4EAD CORE,BF45TS-2.6X6X0.8 TDK
FB405	631T603F	4EAD CORE,BF45TS-2.6X6X0.8 TDK
FB406	631T603F	4EAD CORE,BF45TS-2.6X6X0.8 TDK
FB407	631T603F	4EAD CORE,BF45TS-2.6X6X0.8 TDK
FB408	631T603E	BFD3A-M3R2F0,SAMHWA,BEAD
FB410	631T603F	4EAD CORE,BF45TS-2.6X6X0.8 TDK
FB411	631T603E	BFD3A-M3R2F0,SAMHWA,BEAD
FB412	631T603F	4EAD CORE,BF45TS-2.6X6X0.8 TDK
FB451	631T603F	4EAD CORE,BF45TS-2.6X6X0.8 TDK
FB704	631T603F	4EAD CORE,BF45TS-2.6X6X0.8 TDK
FB705	631T603E	BFD3A-M3R2F0,SAMHWA,BEAD
FB706	631T603E	BFD3A-M3R2F0,SAMHWA,BEAD

COILS

L100	634-700E	RBW07VB-K5004 MW RF OSC TOKO
L101	638-102A	COIL,MPX FILTER 19K, 38K (S)
L103	637-601D	INDUCTOR, F 20.8MH (S)
L104	644-040A	PCFMA-157, MW IF TOKO
L151	638-102A	COIL,MPX FILTER 19K, 38K (S)
L401	638-601C	COIL, TRAP 19KHZ (S)
L402	634-610C	OSC TAPE 10(4.7MH)
L451	638-601C	COIL, TRAP 19KHZ (S)
L801	OLA0221K018	2.2UH K 2.3X3.4 L5 TP

S	LOCA.NO	PART NO. (GS)	SPECIFICATION
CRYSTALS & FILTERS			
	CF101	616-010B	SFE10.7MS3GH(RD) 180K (S)
	CF102	616-010B	SFE10.7MS3GH(RD) 180K (S)
	CF103	616-010B	SFE10.7MS3GH(RD) 180K (S)
	CF104	616-021L	CDA10.7MG46-A, MURATA
	CF105	616-020L	RESO NATOR,CSB456F15
	X101	617T602D	7.2MHZ
	X151	617T605P	4.3320MHZ HYOSUNG
	X152	617T605N	4.0000MHZ HYOSUNG
	X512	616-020P	CSA6.00MGU MURATA
	X801	617T602E	16.9344MHZ KONY
DISPLAY			
	FL501	659-251A	8ST-14GK,DIGITRON,FUTABA
FUSES			
△	F702	0FT5001B513	5A 250V 5.2X20 CY/GL SEMKO
△	F703	0FT5001B513	5A 250V 5.2X20 CY/GL SEMKO
JACKS			
	JK601	576-004A	JACK,BLOCK S-441A(WH/RD) (S)
	JK602	561-004C	CONNECTOR,ANT 01K0480 WAKA
	JK603	561-663B	WAFER MOLEX,KOREA 5268-02A
	JK701	577-009A	HSC0528-01-020 VDE J-HOSIDEN
MOTORS & FAN			
	M0007	414-016D	SM3220B2(FFH-191)
	M0008	414-016D	SM3220B2(FFH-191)
	M0701	5900S-0001A	FAN IC KD1204PTS 3
POWER TRANS			
△	T701	6170S-029ZS	115/230V 5/60HZ EI66X45 ZII TK
SWITCHES			
	SW501	556-624B	SSCF21 J-ALPS
	SW502	556-624B	SSCF21 J-ALPS
	SW530	558T908A	TACT SKHV10908A H=4.3 TP
	SW531	558T908A	TACT SKHV10908A H=4.3 TP
	SW532	558T908A	TACT SKHV10908A H=4.3 TP
	SW533	558T908A	TACT SKHV10908A H=4.3 TP
	SW534	558T908A	TACT SKHV10908A H=4.3 TP
	SW535	558T908A	TACT SKHV10908A H=4.3 TP
	SW536	558T908A	TACT SKHV10908A H=4.3 TP
	SW537	558T908A	TACT SKHV10908A H=4.3 TP
	SW538	558T908A	TACT SKHV10908A H=4.3 TP
	SW539	558T908A	TACT SKHV10908A H=4.3 TP
	SW540	558T908A	TACT SKHV10908A H=4.3 TP
	SW541	558T908A	TACT SKHV10908A H=4.3 TP
	SW542	558T908A	TACT SKHV10908A H=4.3 TP
	SW543	558T908A	TACT SKHV10908A H=4.3 TP
	SW544	558T908A	TACT SKHV10908A H=4.3 TP
	SW545	558T908A	TACT SKHV10908A H=4.3 TP
	SW546	558T908A	TACT SKHV10908A H=4.3 TP
	SW547	558T908A	TACT SKHV10908A H=4.3 TP
	SW548	558T908A	TACT SKHV10908A H=4.3 TP
	SW549	558T908A	TACT SKHV10908A H=4.3 TP
	SW550	558T908A	TACT SKHV10908A H=4.3 TP

S	LOCA.NO	PART NO. (GS)	SPECIFICATION
	SW551	558T908A	TACT SKHV10908A H=4.3 TP
	SW552	558T908A	TACT SKHV10908A H=4.3 TP
	SW553	558-026I	TACT JTP-1236A JEIL
THERMISTOR			
	POS725	655-005F	PTH59F04BH222TS MURATA
TUNER PACK			
	FE100	521-026X	FE417-602 MITSUMI
VARIABLE RESISTORS			
	VR401	613S008J	EVA-D8N A02 BE4 (22KB) STICK
	VR402	613S008J	EVA-D8N A02 BE4 (22KB) STICK
	VR403	613S008G	EVN-D8N A02 B25 (200KB) STICK
	VR451	613S008J	EVA-D8N A02 BE4 (22KB) STICK
	VR452	613S008J	EVA-D8N A02 BE4 (22KB) STICK
	VR453	613S008G	EVN-D8N A02 B25 (200KB) STICK
	VR497	613S008A	EVN-D8N A02 BQ3 (4.7KB) STICK
	VR801	613S008J	EVA-D8N A02 BE4 (22KB) STICK
	VR802	613S008J	EVA-D8N A02 BE4 (22KB) STICK
	VR803	613S008J	EVA-D8N A02 BE4 (22KB) STICK
	VR804	613S008J	EVA-D8N A02 BE4 (22KB) STICK

LOCA.NO.	PART NO. (GS)	DESCRIPTION	SPECIFICATION	REMARKS
MISCELLANEOUS PARTS				
	411-006G 419-005I 6871S-27LAA 6871S-27SAB 6871S-27TAA 6871SA27SAB 6871SA27TAA 6871SB27SAA 6871SB27TAA 6871SC27SAB 6871SD27SAA 6871SE27SAA 6871SF27SAA	MECHANISM ASSY DECK MECHANISM PWB ASSY PWB ASSY PWB ASSY PWB ASSY PWB ASSY PWB ASSY PWB ASSY PWB ASSY PWB ASSY PWB ASSY PWB ASSY	KSM-330AAN(FFH-191) CRF444 R/P PIGEON FFH-191(CD) F-191 FNT/TU/DECK/KEY,FM/AM FFH-191 MAIN/TRANS PWB ASSY F-191 FRONT PWB ASSY FM/AM FFH-191 MAIN PWB ASSY FFH-191 KEY PWB ASSY FFH-191 POWER TRANS PWB ASSY F-191 TU/DECK PWB ASSY FM/AM FFH-191 DECK MOTOR PWB ASSY FFH-191 CD MOTOR PWB ASSY FFH-191 MOTOR LEAF SW PWB ASSY	
ACCESSORIES				
A A-1 A-2 A-3 A-4	327-193A 327-191A 341-191A 364-191A 447-500K 3611SU0191A 3875S-5030A 4810S-0198A 632-218J 6710S-C004A 681-035N	CLAMP CLAMP BUSHING NAIL CUSHION FOOT ASSY MANUAL, OPERATION ASSY BRACKET COIL ANTENNA REMOTE CONTROLLER CORD POWER	SUB AY INS+ALLING F-191 QUICK(13.5MM)J.0 SCREW 4X30 J.0 SCREW 4X30 J.0 CLAMP BACK(F-191) SUB MAIN(F-191) F-191 LGEDG INSTALLING(F-191 BG1) COIL ANT LOOP MW(W/ CONNECTOR) F-191(GOLDSTAR)KYONG-IN M4206+H03VVH2-F+M1250A,MAYOR	