

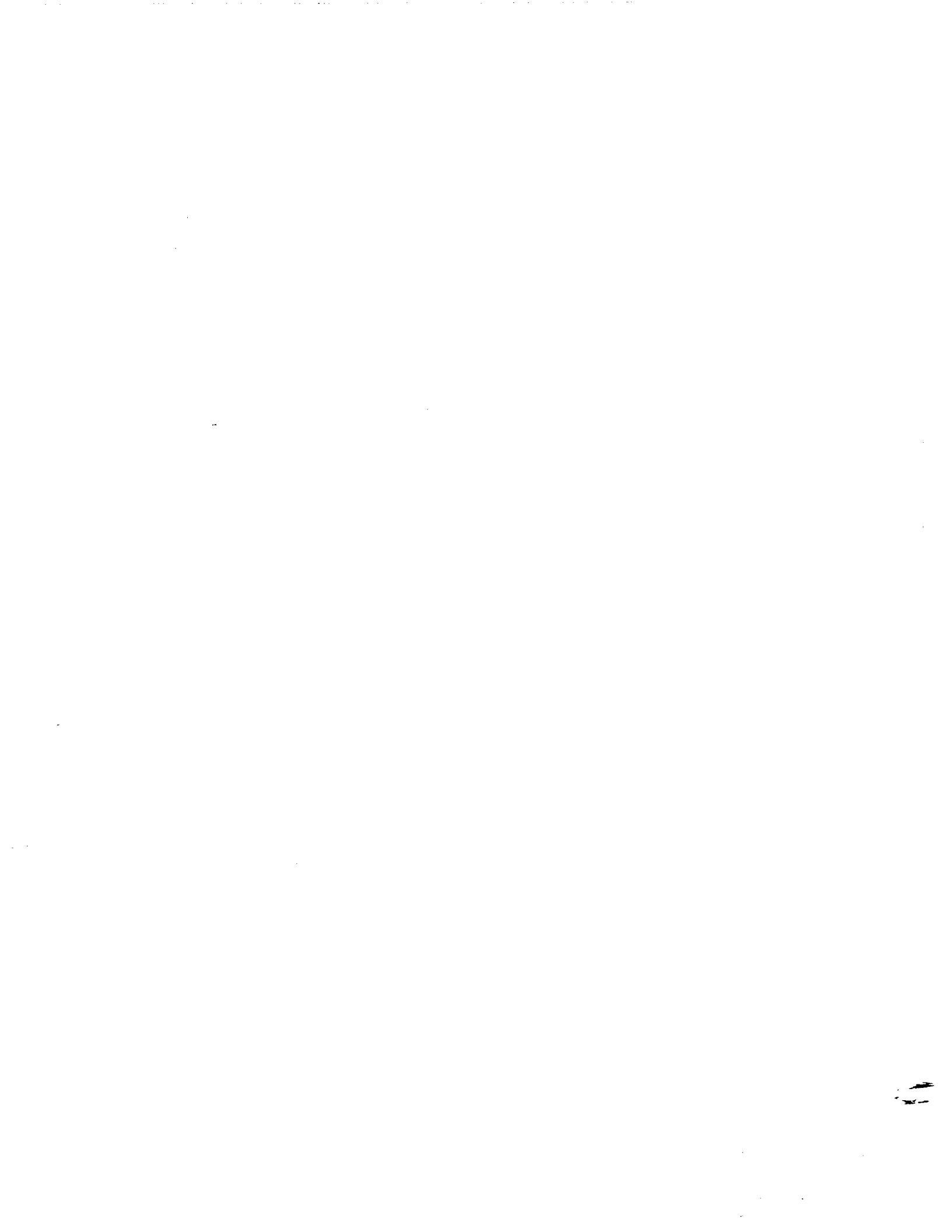
SERVICE MANUAL

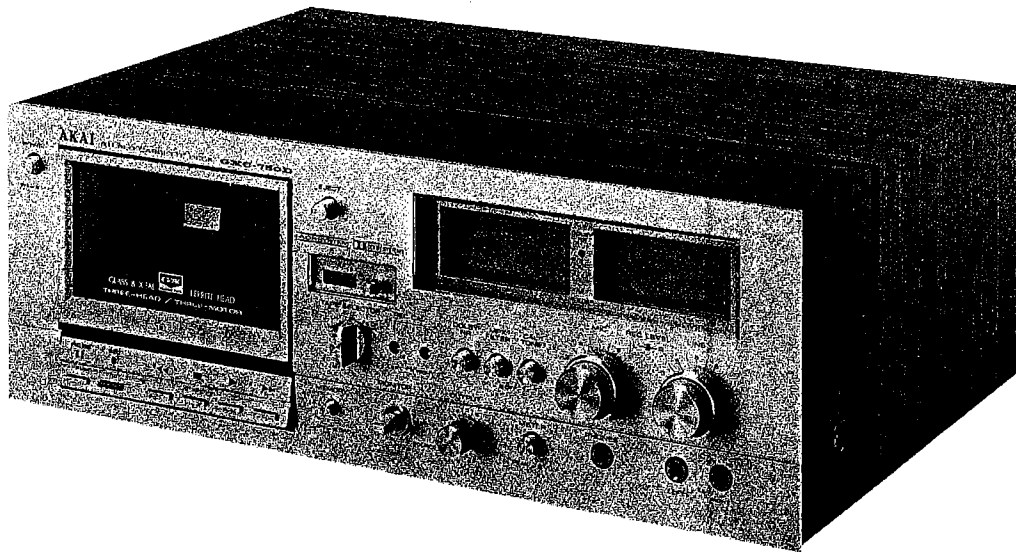
PARTS LIST

MODEL GXC-750D



ALSO APPLICABLE TO BLACK MODEL





AKAI STEREO CASSETTE DECK

MODEL **GXC-750D**

ALSO APPLICABLE TO BLACK MODEL

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SECTION 1

SERVICE MANUAL

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For basic adjustments, measuring methods, and operating principles, refer to GENERAL OPERATING PRINCIPLES AND ADJUSTMENTS.

I. TECHNICAL DATA

| | |
|-----------------------|--|
| TRACK SYSTEM | 4 Track, 2 channel stereo system |
| TAPE | Philips type cassette tape |
| TAPE SPEED | 1-7/8 ips |
| WOW & FLUTTER | Less than 0.06% WRMS. 0.17% (DIN 45500) |
| FREQUENCY RESPONSE | 35 to 15,000 Hz \pm 3 dB at LN position 35 to 15,000 Hz \pm 3 dB at LH position 35 to 16,000 Hz \pm 3 dB at CrO ₂ position 35 to 18,000 Hz \pm 3 dB at FeCr position |
| DISTORTION | Less than 1.0% at LN position Less than 1.0% at LH position Less than 1.5% at CrO ₂ position Less than 1.5% at FeCr position |
| SIGNAL TO NOISE RATIO | Better than 56 dB at CrO ₂ position (DIN 45500) Dolby NR switch ON: Improves up to 10 dB above 5 kHz |
| ERASE RATIO | Better than 70 dB |
| BIAS FREQUENCY | 100 kHz |
| HEADS | 3 head system (one GX recording/playback head and one erase head) |
| MOTORS | 3 motor system (one DC FG servo motor for capstan drive and two DC motors for reel drive) |
| F.F. & REWIND TIME | 60 sec. using a C-60 Tape |
| OUTPUT JACKS | Line (2): 410 mV (0 VU) Required load impedance: more than 47 kohms Phone (1): 100 mV/8 ohms |
| INPUT JACKS | Microphone (2): 0.25 mV (input impedance 2.4 kohms) Required microphone impedance: 600 ohms Line (2): 70 mV (input impedance 100 kohms) |
| SEMICONDUCTORS | Transistors: 75, Diodes: 124, FETs: 4, ICs: 18 |
| POWER REQUIREMENTS | 120V/60 Hz for U.S.A. & Canada 240V/50 Hz for Australia, 100V, 50/60 Hz for Japan 110-120V/220-240V, 50/60 Hz for other countries |
| DIMENSIONS | 440(W) \times 318 \times 157(D) mm (17.3 \times 12.5 \times 6.2) inches |
| WEIGHT | 9.5 kg (21.0 lbs) |

NOTE: Standard reference tapes

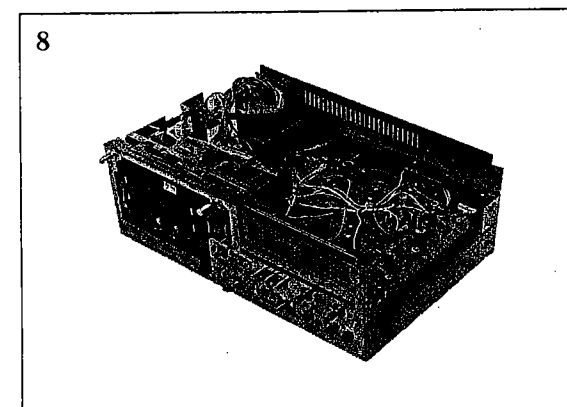
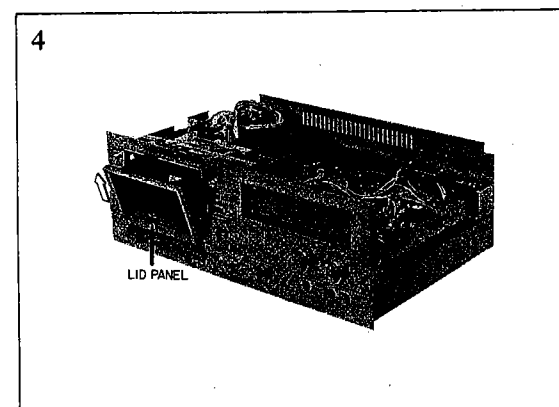
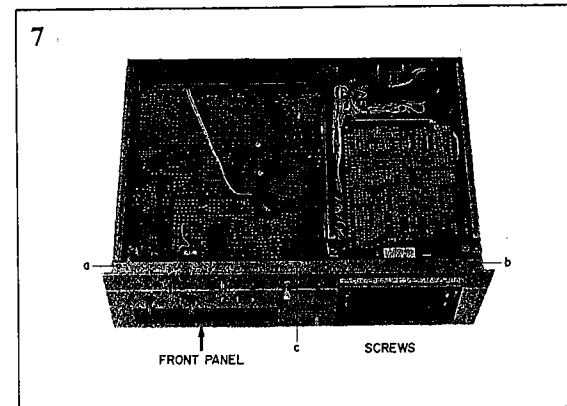
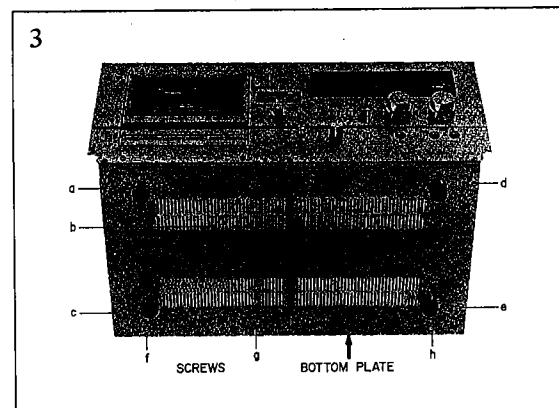
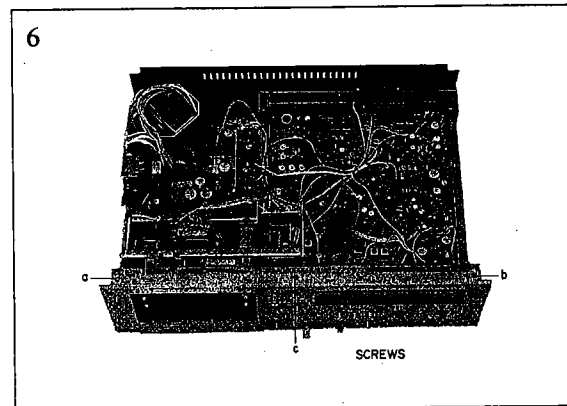
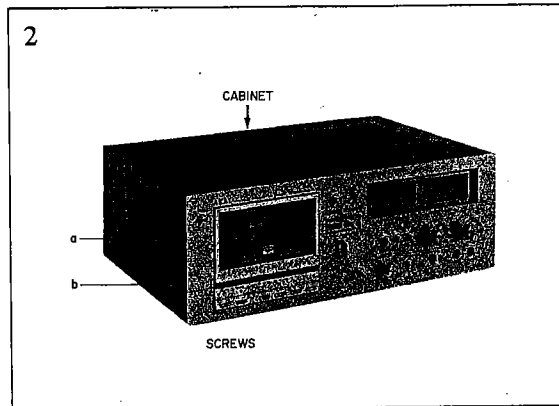
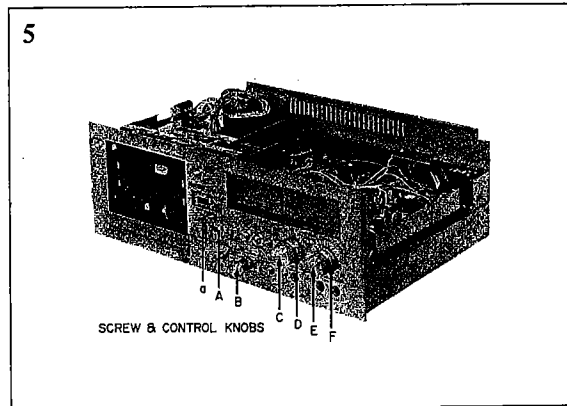
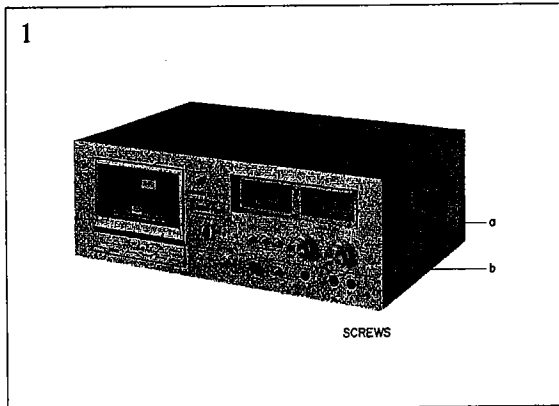
LN position: AKAI C-60LN, FUJI FL C-60
 LH position: MAXELL UD C-60
 CrO₂ position: TDK SA C-60
 FeCr position: SONY Duad C-60

* For improvement purposes, specifications and design are subject to change without notice.

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II. DISMANTLING OF UNIT

In case of trouble, etc. necessitating disassembly, please disassemble in the order shown in photographs.
Reassemble in reverse order.



III. CONTROLS

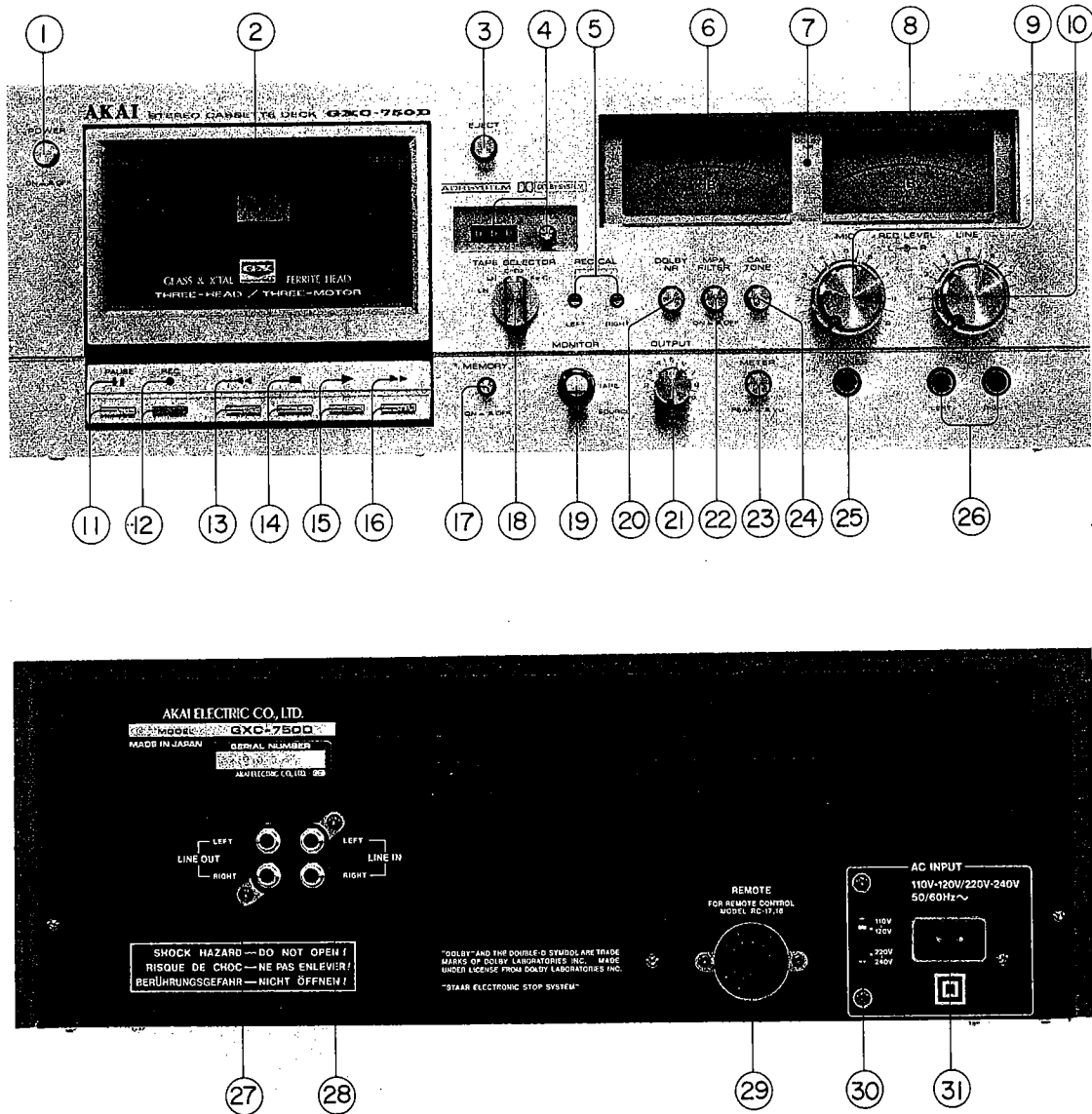


Fig. 1 Controls

- | | |
|--|--|
| 1. POWER SWITCH | 16. FAST FORWARD BUTTON AND INDICATOR LAMP |
| 2. CASSETTE RECEPTACLE | 17. MEMORY REWIND BUTTON |
| 3. EJECT BUTTON | 18. TAPE SELECTOR |
| 4. INDEX COUNTER AND RESET BUTTON | 19. TAPE MONITOR SWITCH |
| 5. REC CAL ADJUSTERS (left and right) | 20. DOLBY N.R. SWITCH |
| 6. LEFT VU/PEAK LEVEL METER | 21. OUTPUT LEVEL CONTROL |
| 7. DOLBY INDICATOR LAMP | 22. MPX FILTER SWITCH |
| 8. RIGHT VU/PEAK LEVEL METER | 23. METER SWITCH |
| 9. MICROPHONE RECORDING LEVEL CONTROLS (left and right) | 24. CAL TONE SWITCH |
| 10. LINE RECORDING LEVEL CONTROLS (left and right) | 25. HEADPHONE JACK |
| 11. PAUSE BUTTON AND INDICATOR LAMP | 26. MICROPHONE JACKS (left and right) |
| 12. RECORDING BUTTON AND INDICATOR LAMP | 27. LINE OUTPUT JACKS (left and right) |
| 13. REWIND BUTTON AND INDICATOR LAMP | 28. LINE INPUT JACKS (left and right) |
| 14. STOP BUTTON | 29. REMOTE CONTROL JACK |
| 15. PLAY BUTTON AND INDICATOR LAMP | 30. VOLTAGE SELECTOR SWITCH |
| | 31. AC INLET |

IV. PRINCIPAL PARTS LOCATION

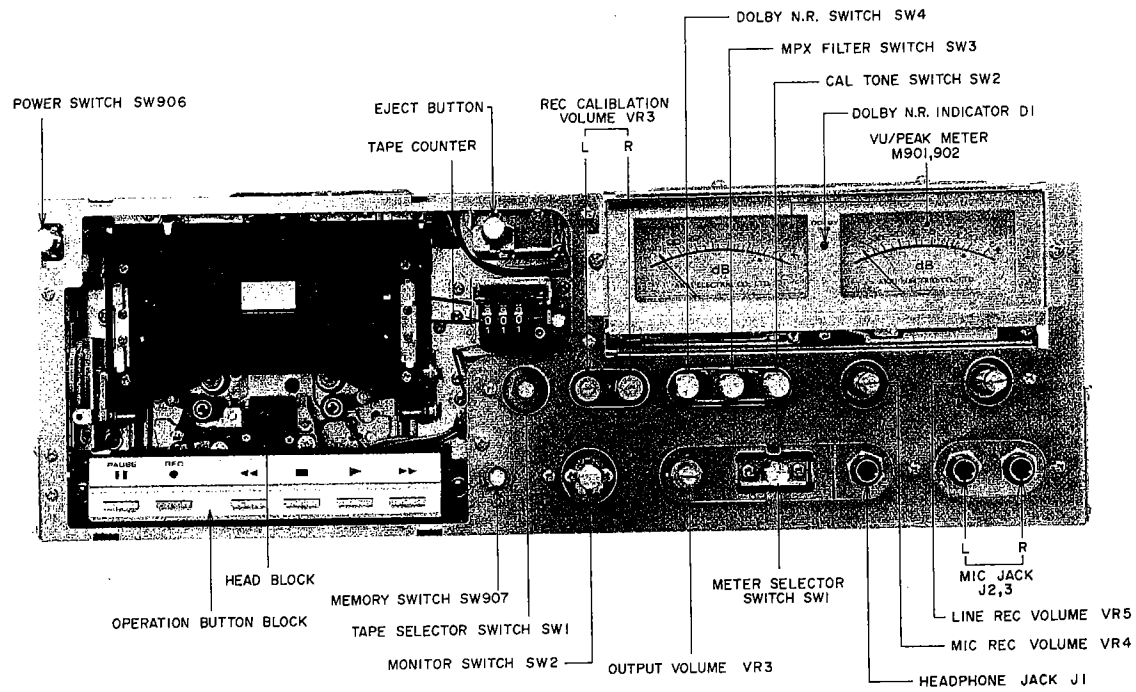


Fig. 2 Front View

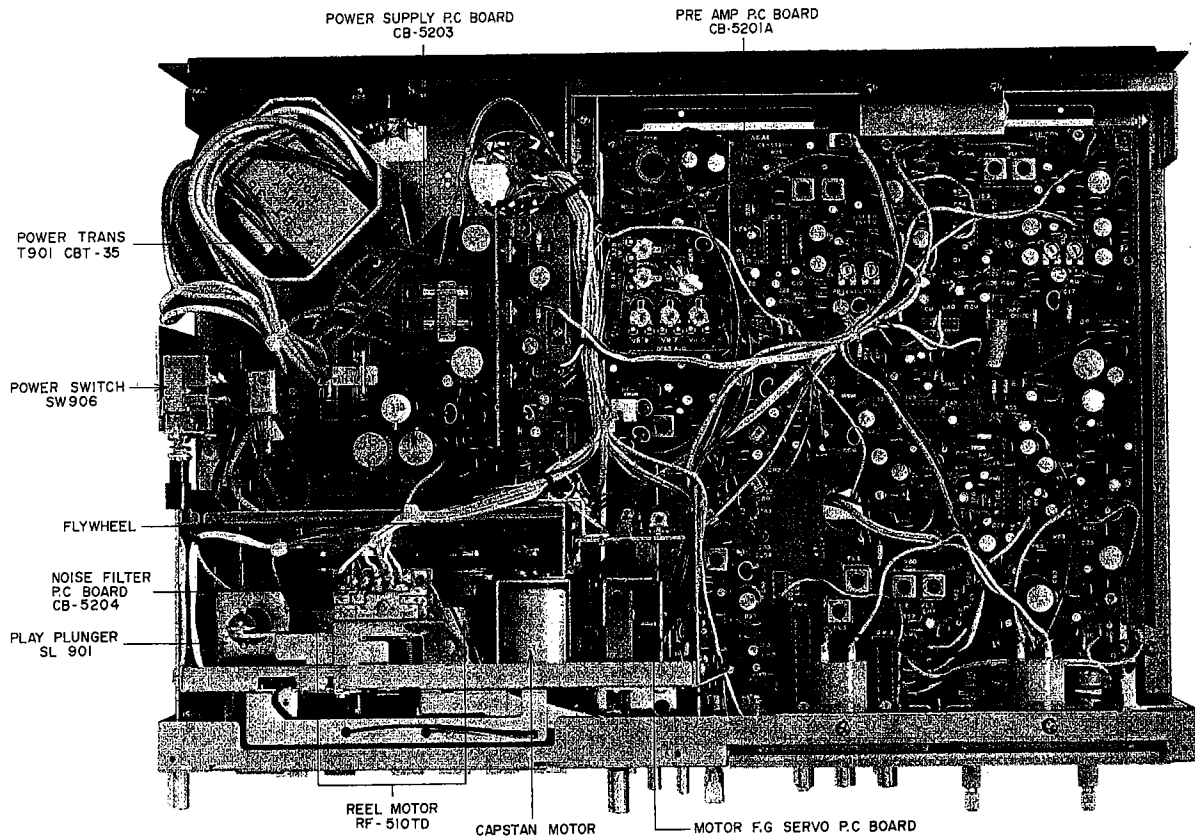
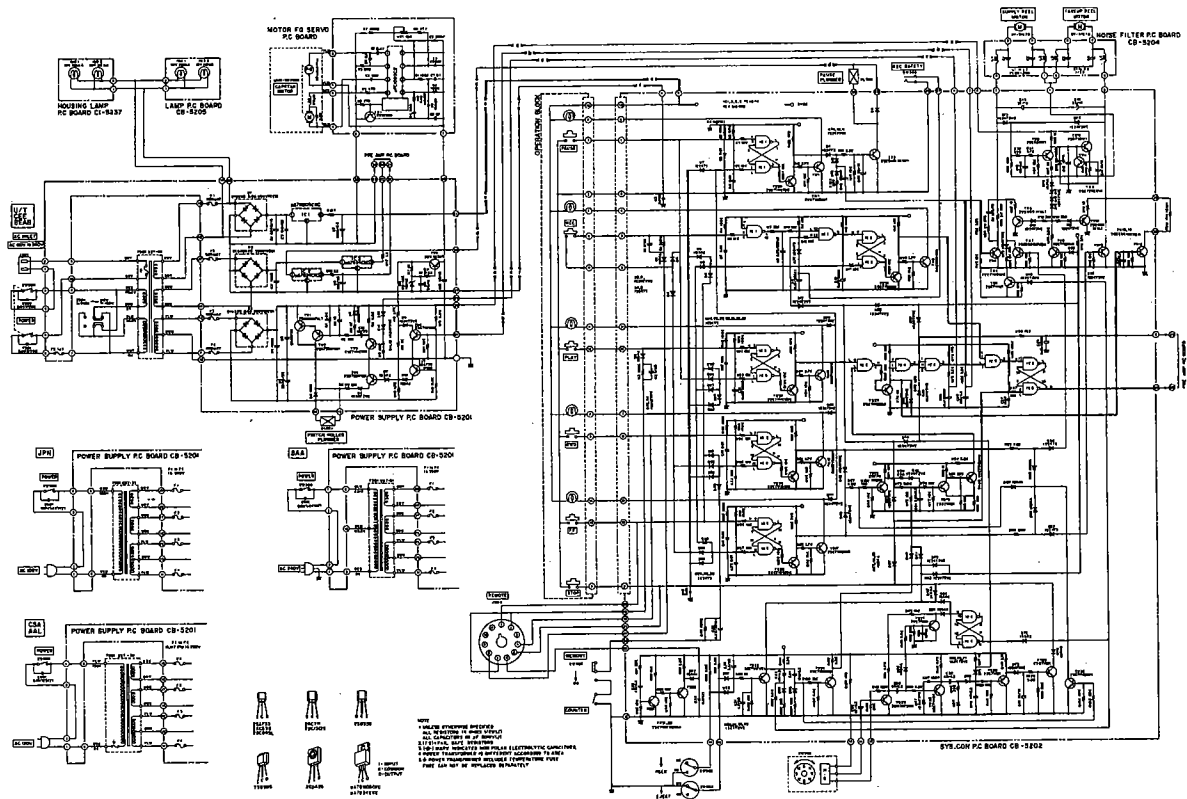
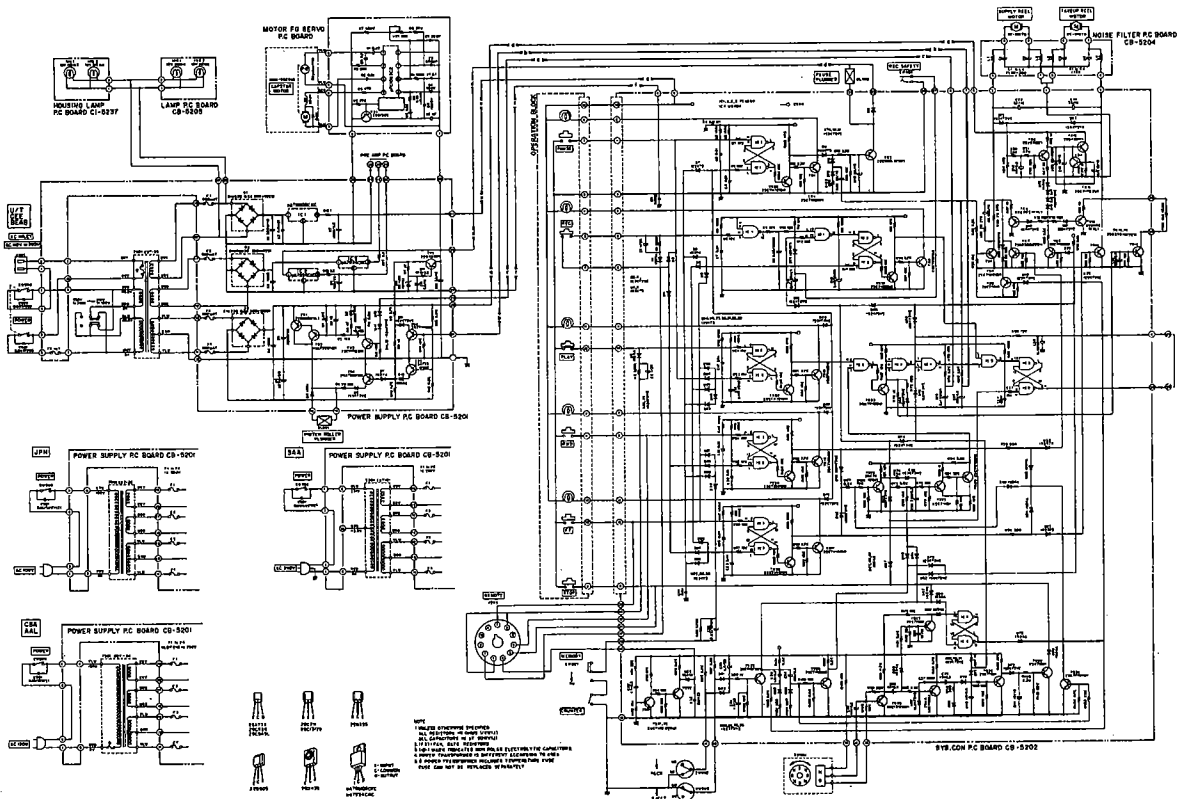


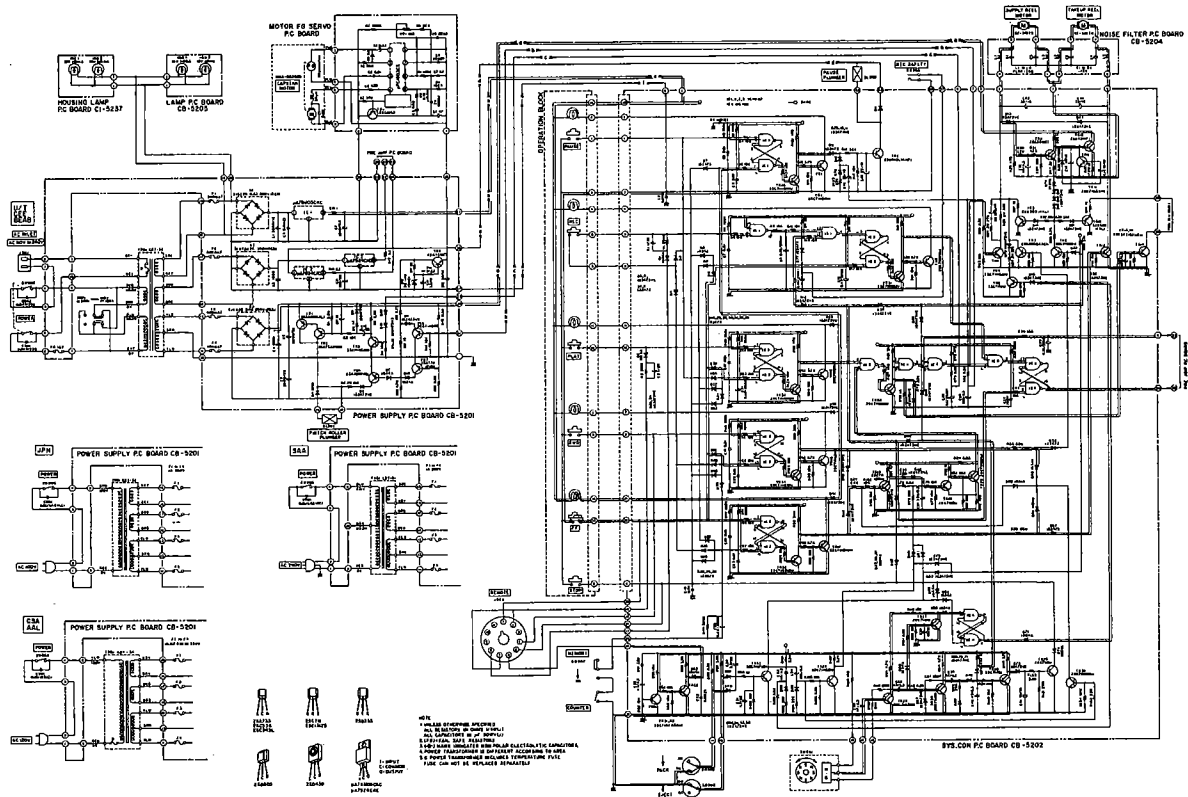
Fig. 3 Top View



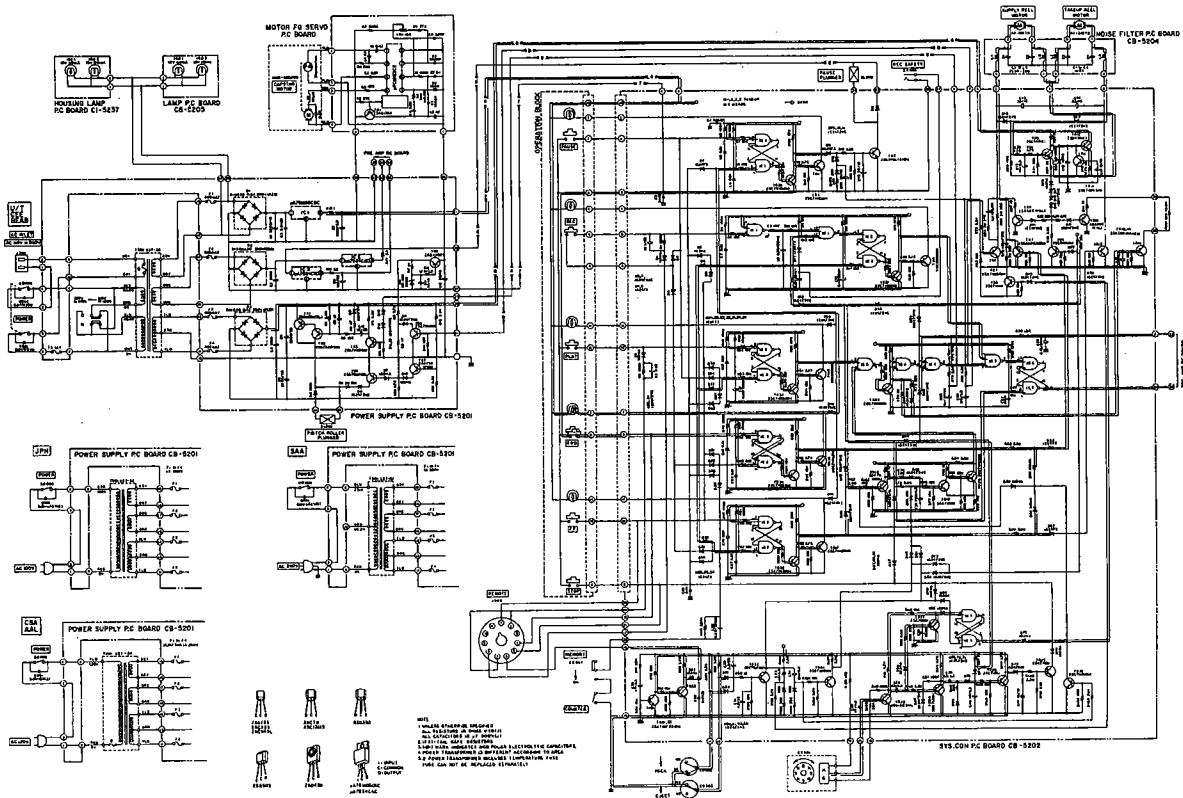
Schematic-2 STOP MODE



Schematic-3 PLAY MODE



Schematic-4 FF MODE



Schematic-5 RWD MODE

1. TAPE SLACK ELIMINATION CIRCUIT

- 1) This deck employs a double capstan drive system. Consequently, when a play mode is effected with a great deal of slack, tape may triangle into the mechanism to cause trouble. Or even when there is only a slight slack, it takes a long period of time to obtain the optimum loop tension and correct bad head-to-tape contact.

The purpose of this circuit is to take-up the tape slack beforehand to obtain correct tape tension for smooth operation and to prevent the undesirable conditions.

- 2) When the cassette is not loaded, the cassette pack detection circuit micro switch SW902 is OPEN. Therefore, base electric current flows as R96 → D60 → R98 → TR23 and TR23 is ON.

Also, when the Eject is effected, SW902 closes. But in this case, Eject Switch SW903 is OPEN to cause base electric current to flow R97 → D61 → D98 → TR23 and maintain TR23 ON condition. When the cassette is loaded, Eject Switch SW903 closes, and since SW902 is also closed, electric current is not supplied to TR23 base and TR23 is OFF. When TR23 is turned OFF, C33 charging current flows as R101 → C33 → R103 → D16 → TR5. Also, because the Take-up Reel Motor and the interlocked rotary magnet are not rotating at this time, IC4 output terminal ③ is at a high level. While C33 is being charged, TR5 base electric potential increases to turn TR5 ON. When TR5 is turned ON, electric current flows to the Supply Reel Motor through D78, R26 and rotates it to remove the tape slack.

- 3) After C33 is completely charged by the electric current R101 → C33 → R103 → D16 → TR5, TR5 is turned OFF. Or else, even when C33 is still being charged, Take-up Reel Motor may start to rotate when Supply Reel Motor rotates and completes to Pull-up tape slack. When Take-up Reel Motor rotates, interlocked SW901 rotary magnet begins to rotate. The resulting pulse electric current flows a C35 → TR25 → C36 → D66 → R131 → C38 and charges C38 to increase TR27 base electric potential and turn TR27 ON. When TR27 is turned ON, IC4 input terminal ⑬ becomes ground electric potential through D69 and TR27 and therefore, output terminal ⑧ becomes low level by the inversion of the flip flop output.

For this reason, C33 charging current stops flowing to TR5 base and turns TR5 OFF. When TR5 is turned OFF in either case, electric current is not supplied to Supply Reel Motor and the rotation stops.

2. PARKING BRAKE CIRCUIT

- 1) To prevent tape slack from forming at Stop mode, tape is pulled slightly in both directions by this circuit. Electric current are supplied to the two reel motors for slight torques.
- 2) When the tape is not loaded, TR23 is ON and D22 anode, through D52 connected to the collector, is ground potential. TR8 is therefore OFF. When the tape is loaded, TR23 is turned OFF. The charging current of C34 flows (R101 → C34 → R105 → TR24) and TR24 base electric potential increases to turn ON. Through collector connected D79, D22 anode becomes ground potential. Consequently, TR8 maintains OFF condition. During this time tape slack is taken up.
- 3) After C34 is charged, TR24 is turned OFF and bias is supplied to TR8 base through R40 and D22 from 5V Line. TR8 is thereby turned ON and causes D19 cathode electric potential to decrease. TR6 base electric potential is then decreased through R32 and D14. At the same time, TR10 base electric potential is decreased through R38 and D21 so that TR6 and TR10 are turned ON. As a result, the Supply Reel Motor and the Take-up Reel Motor rotate from the electric current supplied through R27, TR6 and R21, TR10 respectively. Since the torques are toward pulling the tape at both ends, tape is at a standstill.
- 4) At Play mode, IC4 output terminal ⑥ is at a low level so that D22 anode electric potential decreases through D58, and TR8 is turned OFF. At Fast Forward and Rewind mode, TR18 is turned ON. D22 anode becomes ground potential through D55, and TR8 turned OFF. Thus, tape slack is prevented at Stop mode by a parking brake from the weak torques.

3. PLAY PLUNGER OPERATING CIRCUIT

- 1) This circuit starts Play Plunger operation by supplying a large amount of electric current and then maintains the operations, once it's started, by a small electric current. This deck is transistor driven and does not employ relays. It operates on a plus-minus power supply.
- 2) When the deck is set to PLAY mode, IC4 output terminal ③ of the system control circuit reaches a high level and C26 is charged through R79, C25 and R82. But since the charging time of C25 is shorter, its terminal voltage is increased faster than that of C26 and is added to TR3 base through power supply circuit D12 and D11. TR3 turns ON, and C10 charging current flows as R1 → R2 → C10 → TR3. While C10 is charged, TR2 base electric potential decreases to turn TR2 ON and the Darlington-connected TR1 base electric potential also decreases to turn TR1 ON. Thus the Play Plunger is supplied with voltage of ⊕ electric potential and ⊖ electric potential and starts operation.
Now, when charging of C26 is completed, C26 terminal voltage is added to TR6 base of the power supply circuit. TR6 is thereby turned ON and D9 anode terminal becomes ground electric potential. When that happens, D7 cathode terminal becomes lower than the ground electric potential and turns TR4 ON. For this reason, even when TR2 and TR1 is turned OFF after charging of C10 is completed, electric current flows to the Play Plunger from ⊖ power supply through ground → TR4 → D6 → R4 to maintain operation.
- 3) Because the Play Plunger Operating Circuit is on a plus-minus power supply of C5 and C6, when the power switch is turned OFF during PLAY mode, condenser C5 discharges faster than C6 due to the fact that the load of C5 on the ⊕ side is larger than C6.

This causes the pinch roller to stay in contact with the capstan for a little while after the reel motor have stopped, and results in loose tape coming out of the cassette pack due to the flywheel inertia. In order to prevent the malfunction, Play Plunger is disengaged, simultaneously, when the reel motors are stopped by the discharge of C5.

When the power switch is turned OFF at PLAY mode, C5 discharges faster than C6 and the reel motors stop. At the same time, since the condition between TR7 base and R13 can be thought of as OPEN, the C6 leftover ⊖ electric potential is added to TR7 base and TR7 is turned ON. Therefore, D7 cathode becomes ground potential, TR4 is turned OFF, and the electric current stops flowing to the Play Plunger to disengage it.

4. OPERATION TIMING WHEN PLAY MODE IS EFFECTED FROM FAST FORWARD OR REWIND

- 1) When the PLAY mode is effected from Fast Forward or Rewind, if the Play Plunger functions to operate the pinch roller before tape travel has ceased, a brake will be instantly applied in such a way as to cut or stretch the tape.
To eliminate the problem, this circuit allows the reel motors to stop completely before the pinch roller operation takes place when the PLAY mode is effected from Fast Forward or Rewind.
- 2) During Fast Forward or Rewind TR18 is ON and C24 is discharged through D46 → R74 → TR18. At the same time, TR19 is OFF and TR20 is ON. Consequently, TR20 collector connected IC5 input terminal ⑤ is low level. When the PLAY mode is effected from Fast Forward or Rewind, TR18 is turned OFF and C24 is charged through R71 and R73. During the charging time, TR19 base electric potential is low that it is in OFF condition and TR20 is ON. On the other hand, IC5 input terminal ⑥ becomes high level but because the input terminal ⑤ is low level due to TR20 ON, high level shows up at output terminal ④. PLAY mode is therefore not effected.
When C24 is charged and TR19 base electric potential is increased to turn TR19 ON, TR20 base electric potential is decreased to turn TR20 OFF. Also, it results in a high level IC5 input terminals ⑤ and ⑥. Therefore output terminals ④ becomes low level to put PLAY mode into effect. In this manner, when the PLAY mode is effected from Fast Forward or Rewind, Play Plunger does not function while C24 is being charged.

5. FAST FORWARD AND REWIND SPEED CONTROL CIRCUIT

- 1) The reel motors of this deck are DC motors which at a non-load condition rotate at a high speed. Consequently, when Fast Forward or Rewind is effected, there is a possibility of tape damage due to gradual build-up of inertia and increased revolutions. The purpose of this circuit is to control the voltage supply to the take-up reel in order to prevent increased motor revolutions.
- 2) When the deck is set to Fast Forward mode, TR13 is turned ON and the take-up motor begins to rotate. When the supply reel motor is not rotating, because bias is not supplied to the base of TR9, the resistance between TR3 collector and emitter is infinite, and a fixed bias is supplied to TR12 through R35 and C13, a fixed DC voltage is supplied to the take-up reel motor, and there is a gradual build-up of inertia and gradual increase in the motor revolutions. However, at Fast Forward mode, the supply reel motor functions as a generator. Consequently, the electromotive force generated by the supply reel motor passes D13, R30 and R31 and becomes TR9 base bias, and the resistance between TR9 collector and emitter varies proportionately according to the extent of the generator's electromotive force. That is to say, the variation in the resistance between TR3 collector and emitter influences the bias supplied to the TR12 base.
For example, let's say that the take-up reel begins to rotate at a very high speed. This causes a counterbalanced electromotive force to be generated by the supply reel motor and this generated voltage decreases the resistance between TR9 collector and emitter and lowers the TR12 bias. Then the resistance between TR12 collector and emitter is increased, the supply voltage to the take-up reel is decreased, and finally the motor revolution is decreased. Thus, the take-up speed always corresponds with the supply reel motor speed to prevent high speed motor revolutions.
- 3) In case by some irregularity, the collector current of TR12 is increased to cause high speed rotation, R43 terminal voltage is increased, bias is supplied to TR11 base, the resistance between TR11 collector and emitter is decreased, TR12 bias is lowered, and the collector current is decreased.
- 4) Speed control also functions in exactly the same way at Rewind mode. However, in this case, the right hand side reel motor functions as a generator, and left hand side reel motor revolutions are controlled by means of supply voltage control. Therefore, rewind speed is controlled in the same way as at fast forward.

6. AUTOMATIC SHUT-OFF MECHANISM CIRCUIT

- 1) This circuit is for the purpose of effecting automatic shut-off when tape travel has stopped after play, recording, fast forward, or rewind mode.
- 2) During tape travel TR25 performs an ON \leftrightarrow OFF switching operation because of the pulse generating from a rotating rotary magnet within SW9. Also during tape travel, charge and discharge current alternately flows to C36 due to the TR25 switching operation that TR26 also performs an ON \leftrightarrow OFF switching operation. From the TR26 switching operation, charge and discharge current alternately flows to C39. Only when C39 is charged, TR28 base electric potential increases and TR28 is turned ON. This is because C40 is charged through D70. On the other hand, when C39 is discharged, C40 discharge current flows through R130 \rightarrow R118 \rightarrow ground and TR28 base electric potential gradually decreases. But before TR28 is turned OFF, C40 is charged by the charging current from C39 that TR28 ON condition is maintained. Consequently, TR29 is in OFF condition because TR29 base is ground potential.
- 3) When tape travel stops, C39 charge and discharge current stops, C40 discharge ends, and TR28 turns OFF. Then, the TR29 base electric potential increases to turn TR29 ON, and through D74 which is connected to TR29 collector, \oplus side of the STOP switch is grounded to effect STOP mode.
- 4) Also, this circuit functions only when PLAY, FAST FORWARD, or REWIND circuit is in operation. When these are not in operation, direct current voltage is supplied to C40 through R117 and D71, TR28 is turned ON, and TR29 OFF condition is maintained.
When PLAY mode is in operation, low level IC4 output terminal ⑥ causes D71 anode electric potential to be decreased to near ground potential through D48. And when FAST FORWARD OR REWIND is in operation, because TR18 is ON, D71 anode electric potential is decreased to near ground potential through D44 and TR18. Consequently, TR29 is turned ON by pulse electric current from SW901 only when PLAY, FAST FORWARD, REWIND circuit is in operation.

VI. MECHANISM ADJUSTMENTS

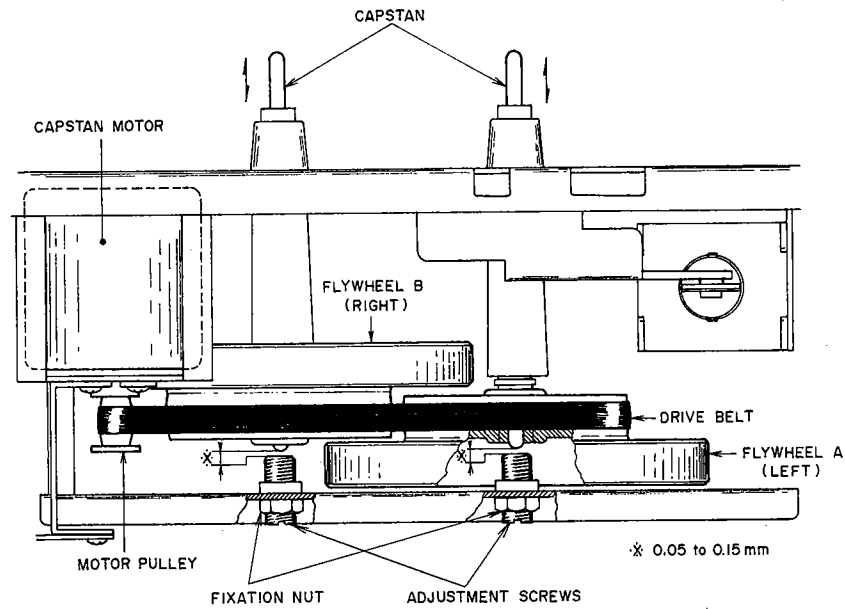


Fig. 4 Flywheel Thrust Loose Play Adjustment

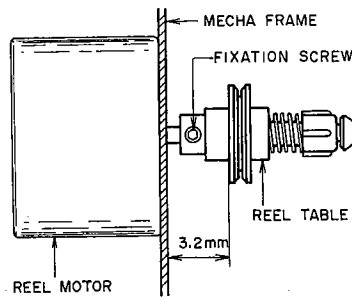


Fig. 5

1. FLYWHEEL THRUST LOOSE PLAY ADJUSTMENT (Refer to Fig. 4)

Adjust by turning flywheel thrust loose play adjustment screws to obtain a 0.05 to 0.15 mm of loose play when the flywheel is moved as indicated by the arrow mark.

Tighten fixation nuts to maintain optimum adjusted condition. Paint lock the adjustment screws.

2. REEL TABLE INSTALLATION POSITION ADJUSTMENT (Refer to Fig. 5)

Adjust until a clearance of approximately 3.2 mm is obtained between the mecha frame and the lower side of the reel table's pulley as shown in Fig. 5. Then, tighten the fixation screw firmly.

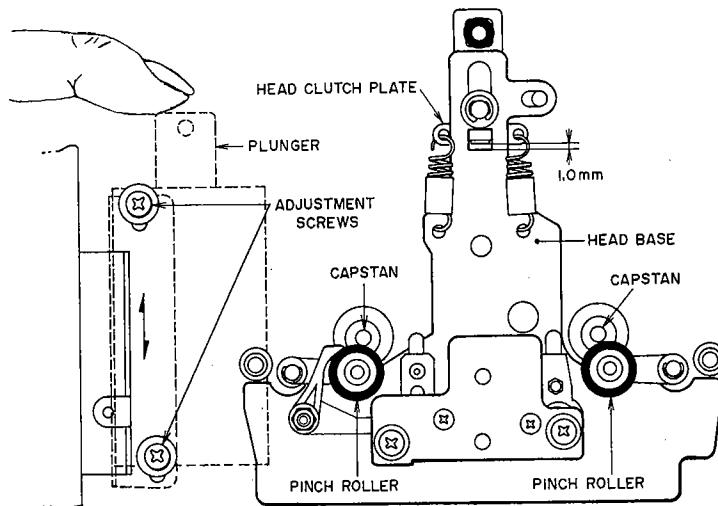


Fig. 6

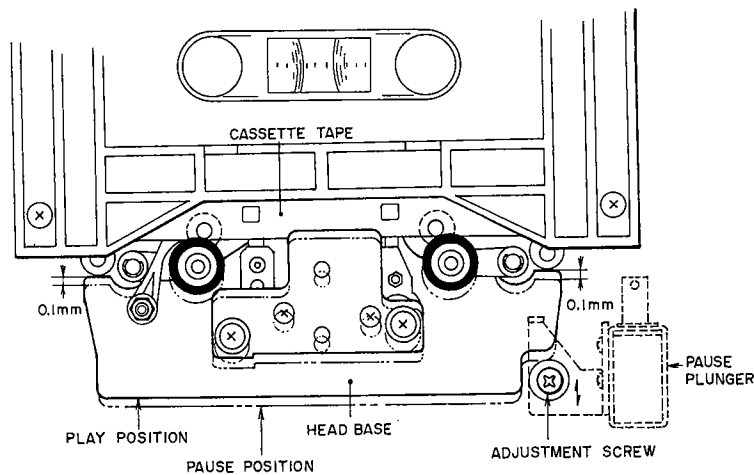


Fig. 7

3. PLAY PLUNGER INSTALLATION POSITION ADJUSTMENT (Refer to Fig. 6)

The clearance between the head base and head clutch plate when the plunger is moved as indicated in Fig. 6 at stop mode should be approximately 1.0 mm. If not, adjust play plunger position with the adjustment screws in the direction as indicated by the arrow mark.

4. PAUSE PLUNGER INSTALLATION POSITION ADJUSTMENT (Refer to Fig. 7)

With the tape loaded, the Pause Plunger Solenoid is not completely pulled if the head base does not lower at all when the mode is changed from PLAY to PAUSE. In order to allow Pause Plunger to function completely and still have the head not lowered too much, the head base should lower only 0.1 mm (lower only slightly) when the mode is changed from PLAY to PAUSE as shown in Fig. 7.

If you find that the plunger function is not complete, adjust by lowering the Pause Plunger Installation Position approximately 0.1 mm using the adjustment screw.

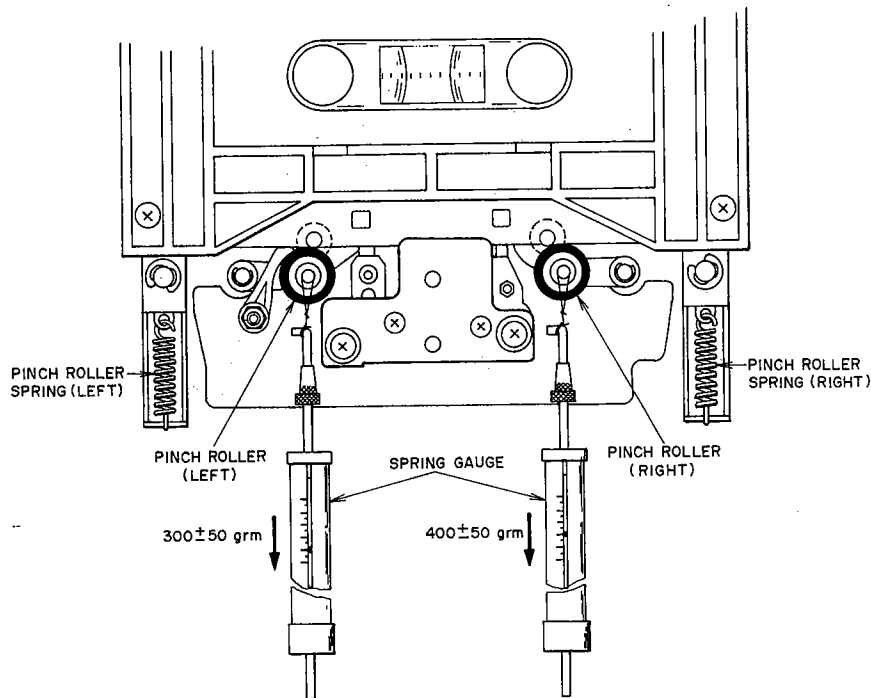


Fig. 8

5. PINCH ROLLER PRESSURE ADJUSTMENT (Refer to Fig. 8)

Load a cassette tape, set the recorder in the play mode, then pass a string around the pinch roller shaft and the spring gauge as shown in Fig. 8. Pull the spring gauge as indicated by the arrow mark in the figure until the pinch roller separates from the capstan. Then, gradually weaken the pulling force, and the spring gauge value when the pinch roller comes in contact with the capstan once again to start rotating. If the measurement value does not comply with the following values specified, replace the pinch roller spring.

Specified Pinch Roller Pressure:

Pinch Roller (Right) 400 ± 50 grm
Pinch Roller (Left) 300 ± 50 grm

NOTE: To pass a string around the pinch roller shaft, remove the two operation Button Fixation Screws and pull out the Operation Button Block. From the bottom of the chassis, pass the string behind the Operation Button Block and place it around the pinch roller shaft. Make sure that the string does not come in contact with the chassis or any other parts during the measurement.

6. TAKE-UP TORQUE AT VARIOUS MODES AND TORQUE MEASURING METHOD

Set a cassette torque meter on cassette base, and take a reading of the indication at each respective mode.

| | |
|-------------------|------------------|
| Playback mode | 33 to 55 grm-cm |
| Fast Forward mode | 80 to 120 grm-cm |
| Rewind mode | 80 to 120 grm-cm |

7. LID PANEL POSITION ADJUSTMENT (Refer to Fig. 9)

In case the lid panel is not parallel with the front panel, adjust by shifting the eject guide as indicated by the arrow mark in Fig. 9. If the upper part of the lid panel is tilted inward, move the eject guide upward, and if tilted outward, move the eject guide downwards.

8. TAPE SPEED ADJUSTMENT (Refer to Fig. 10)

Playback a 1,000 Hz pre-recorded test tape and adjust tape speed adjustment volume to obtain a tape speed of $1,000 \text{ Hz} \pm 2\%$.

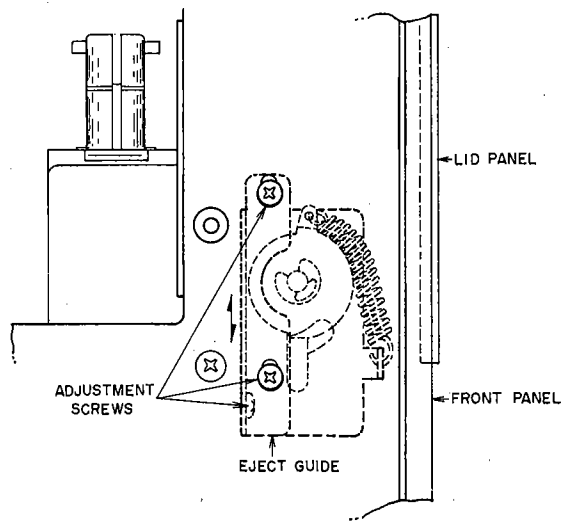


Fig. 9 Left Side of the Deck

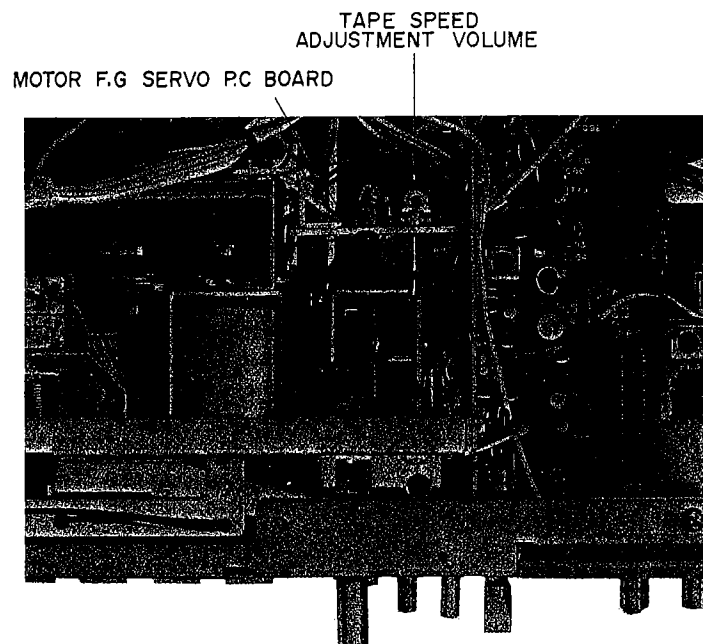


Fig. 10 Tape Speed Adjustment

VII. HEAD ADJUSTMENTS

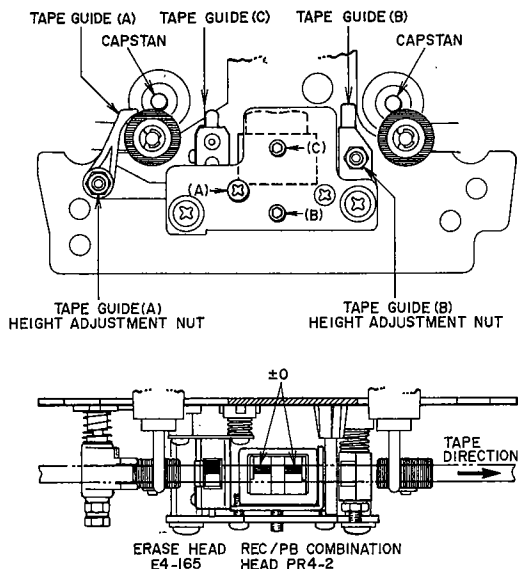


Fig. 11

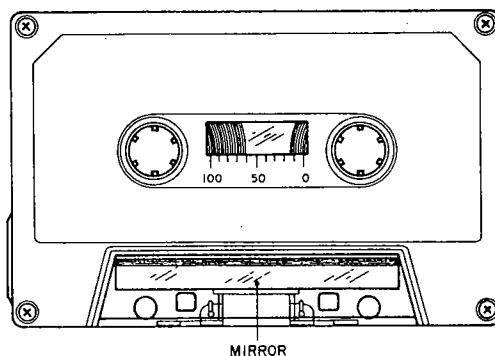


Fig. 12

1. TAPE GUIDE HEIGHT ADJUSTMENT

(Refer to Figs. 11, 12)

- 1) When using an ordinary cassette, the tape guides and heads, etc. are not visible. As shown in Fig. 12 use a cassette tape from which part of the cassette case has been cut out and a mirror installed for easy visibility of the head area when making tape guide height adjustment.
- 2) At playback mode, using the erase head guide (C) shown in Fig. 11 as standard for height, adjust tape guide (A) and tape guide (B) height with tape guide height adjustment nuts so that the tape runs smoothly and does not catch on the tape guides.

2. HEIGHT ADJUSTMENT OF RECORDING/PLAYBACK COMBINATION HEAD

(Refer to Fig. 11)

- 1) Utilize the cassette tape used in Tape Guide Height Adjustment above, and playback the leader tape part of cassette tape.
- 2) As shown in Fig. 11 adjust head height with screws (A), (B) and (C) until the upper edge of the tape is the same height as the upper edge of the left channel REC/PB Combination head core.

3. AZIMUTH ALIGNMENT ADJUSTMENT OF RECORDING/PLAYBACK COMBINATION HEAD

(Refer to Fig. 11)

- 1) The cores of recording and playback heads are mounted in a single head holder to form the recording/playback combination head otherwise known as the New GX Head. Both recording and playback head cores move when azimuth alignment is adjusted. To obtain optimum playback head core azimuth alignment, follow the instructions 2) – 5) carefully.
- 2) Playback a 10 kHz azimuth alignment adjustment test tape and adjust the adjustment screw (A) until the output level of both channels are at maximum.
- 3) Invert cassette and see whether there is an output level difference from the above. If there is a difference, repeat 2) and readjust.
- 4) Record a 10 kHz, -20 VU signal from the audio frequency oscillator.
- 5) Rewind and check for any fluctuation in the output level at playback.

NOTES: 1. Be sure to clean the heads prior to head adjustment.

2. Be careful not to use a magnetized driver or other magnetized tools in the vicinity of the heads.

3. Be sure to demagnetize the heads with a Head Demagnetizer before and after head adjustment.

4. When a mirror installed cassette test tape as shown in Fig. 12 is required, it can be ordered from AKAI Electric Co.

VIII. AMPLIFIER ADJUSTMENTS

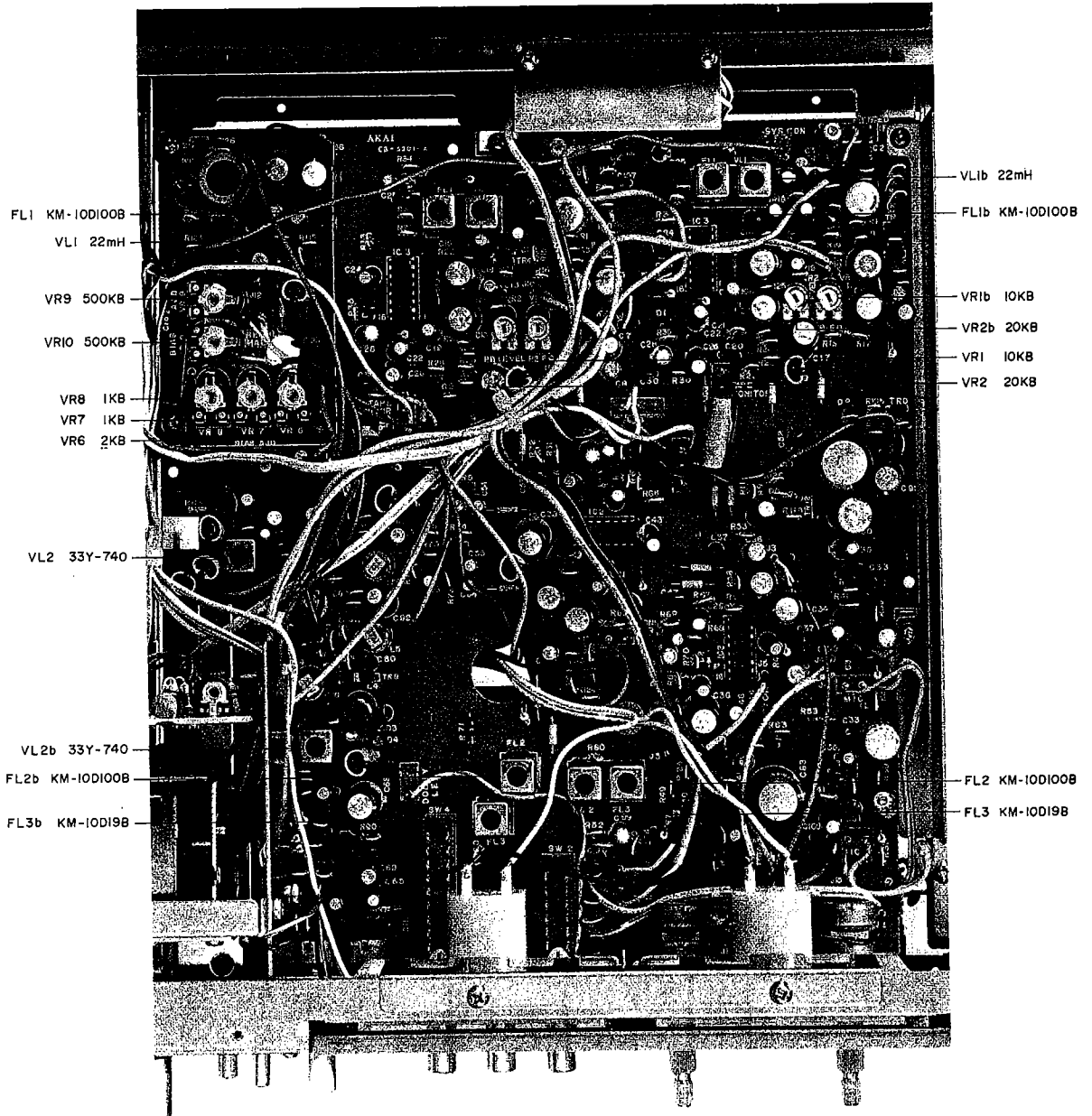


Fig. 13 Pre Amp P.C Board CB-5201A

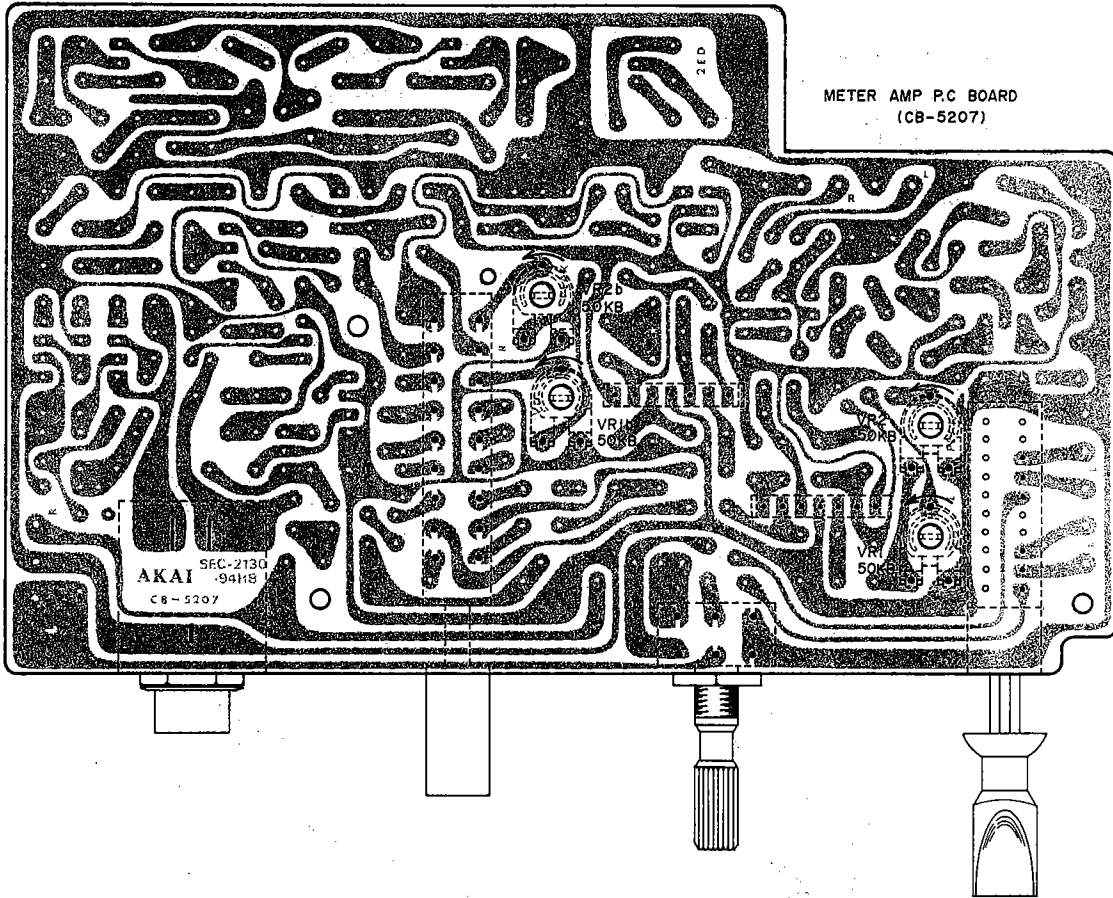


Fig. 14 Meter Sensitivity Adjustment

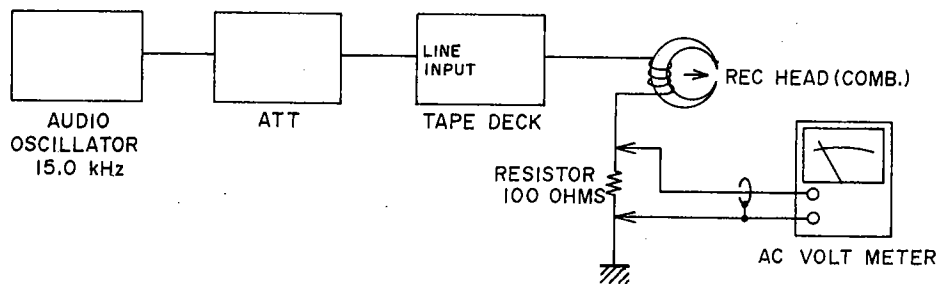


Fig. 15 Instruments Connections

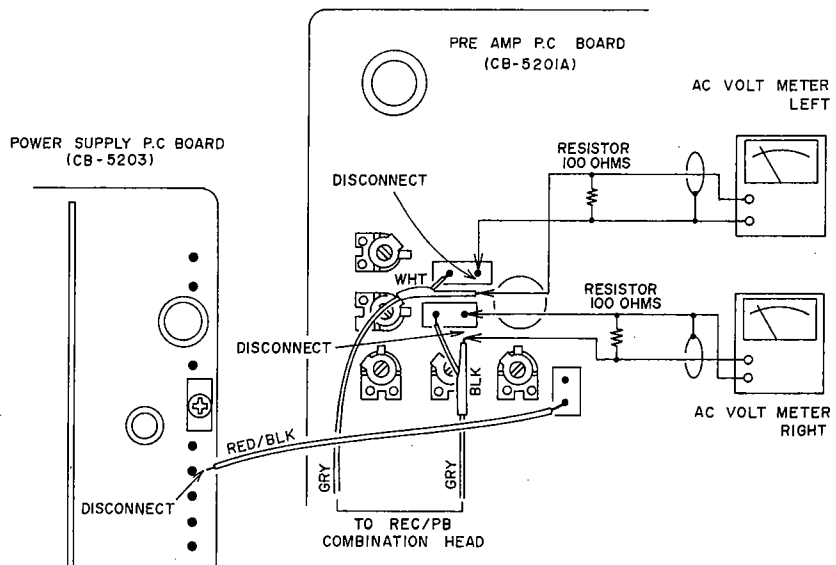


Fig. 16 Rec Peaking Adjustment

| Step | Adjustment Item | Test Tape Supply Signal | Mode | Adjustment Point | Result | Remark |
|------|---|---|----------|--|--|---|
| 1 | Playback Level Adjustment | 333 Hz, 0 VU Test Tape | PLAY | VR2 20 kB | -5.5 dBm ±0.5 dBm | Set Monitor Switch to "TAPE" |
| 2 | VU Meter Sensitivity Adjustment | 1,000 Hz, 0 VU from an Oscillator | STOP | VR1 50 kB (CB-5207) | 0 VU Indication | Set Monitor Switch to "SOURCE" Set Meter Selector Switch to "VU" |
| 3 | Peak Meter Indication Adjustment | 1,000 Hz, 0 VU from an Oscillator | STOP | VR2 50 kB (CB-2507) | -8 VU Indication | Set Meter Selector Switch to "PEAK" |
| 4 | PB Equalizer Adjustment | 10 kHz Test Tape | PLAY | VR1 10 kB (CB-5201A) | -19.5 dBm | Set Monitor Switch to "TAPE" |
| 5 | CrO ₂ Position Frequency Response Adjustment | CrO ₂ blank tape, 1,000Hz, 10,000 Hz, -20 VU Recording | REC/PLAY | VR9 500 kB (LEFT) VR10 500 kB (RIGHT) (CB-5201A) | 1,000 Hz to 10,000 Hz flat response | Set Tape Selector Switch to "CrO ₂ " |
| 6 | LN Position Frequency Response Adjustment | LN blank tape, 1,000 Hz, 10,000 Hz, -20 VU Recording | REC/PLAY | VR6 2 kB (CB-5201A) | 1,000 Hz to 10,000 Hz flat response | Set Tape Selector Switch to "LN" (Refer to NOTE 4) |
| 7 | LH Position Frequency Response Adjustment | LH blank tape, 1,000 Hz, 10,000 Hz, -20 VU Recording | REC/PLAY | VR7 1 kB (CB-5201A) | 1,000 Hz to 10,000 Hz flat response | Set Tape Selector Switch to "LH" (Refer to NOTE 4) |
| 8 | Fe-Cr Position Frequency Response Adjustment | Fe-Cr blank tape, 1,000 Hz, 10,000 Hz, -20 VU recording | REC/PLAY | VR8 1 kB (CB-5201A) | 1,000 Hz to 10,000 Hz flat response | Set Tape Selector Switch to "Fe-Cr" (Refer to NOTE 4) |
| 9 | Recording Level Adjustment | LN blank tape, 1,000 Hz 0 VU Recording | REC/PLAY | VR3 (Front Panel) | -5.5 dBm ±0.5 dBm | (Refer to NOTE 5) |
| 10 | Distortion Factor Confirmation | 1,000 Hz 0 VU Recording | REC/PLAY | | CrO ₂ : Less than 1.5% LN: Less than 1.0% LH: Less than 1.0% Fe-Cr: Less than 1.5% | (Refer to NOTE 6) |
| 11 | Rec Peaking Adjustment | 15.0 kHz from an oscillator | REC | VL2 33Y-740 | Maximum AC Voltmeter indication | (Refer to NOTES 9, 10 and Figs. 15, 16) |
| 12 | Rec Amp Bias Leak Adjustment | 100 kHz from an oscillator | REC | FL2 KL10D 100B (CB-5201A) | Minimum AC Voltmeter indication | Set Monitor Switch to "SOURCE" (Refer to NOTE 9) |

| Step | Adjustment Item | Test Tape Supply Signal | Mode | Adjustment Point | Result | Remark |
|------|-------------------------------|---------------------------|----------|---------------------------|---------------------------------|---|
| 13 | 19 kHz Filter Adjustment | 19 kHz from an oscillator | STOP | FL3 KM10D 19B (CB-5201A) | Minimum AC Voltmeter indication | Set MPX Filter Switch to "ON" (Refer to NOTE 9) |
| 14 | PB Amp Bias Filter Adjustment | No Signal Input | REC/PLAY | VL1 22mH (CB-5201A) | Minimum AC Voltmeter indication | Set Monitor Switch to "TAPE" |
| 15 | PB Amp Bias Filter Adjustment | No Signal Input | REC/PLAY | FL1 KM10D 100B (CB-5201A) | Minimum AC Voltmeter indication | Set Monitor Switch to "TAPE" |

Chart-2

- NOTES:**
1. Except for Steps 5, 7 and 8 set Tape Selector to LN position.
 2. Set Dolby N.R. switch, Cal. Tone Switch to OFF position.
 3. Except for Step 13, set MPX Filter switch to OFF position.
 4. If a flat characteristic cannot be obtained from 1,000 Hz to 10,000 Hz at LN, LH, or Fe-Cr positions, fine adjust at VR6 (LN), VR7 (LH), VR8 (Fe-Cr) respectively.
 5. Recording level adjustment volumes (REC CAL) VR3 are not located on the pre amp P.C Board as in the case of an ordinary tape deck, but are installed on the front panel.
 6. If it does not comply with the specifications, repeat Steps 5 – 9 and re-adjust.
 7. Because each of these adjustments are vital to perfect Dolby N.R. circuit operation, be sure that they are carried out with as little error as possible.
 8. Use the following cassette measuring tape:
 - LN Tape: Fuji FL C-60, AKAI C-60LN
 - LH Tape: Maxell UD C-60
 - CrO₂ Tape: TDK SA C-60
 - Fe-Cr Tape: SONY Duad C-60
 9. Unless the core is moved intentionally this adjustment is not necessary.
 10. Stop recording Bias Oscillator while making Rec Peaking Adjustment. (Refer to Figs. 15, 16)

IX. DC RESISTANCE OF VARIOUS COILS

| Parts | Designation | DC Resistance |
|--|-------------|--|
| Recording/Playback Combination Head | PR4-2 | REC: 22 ohms $\pm 5\%$ PB: 250 ohms $\pm 5\%$ |
| Erase Head | E4-165 | 2.5 ohms |
| Play Plunger | 1254 TLT | 120 ohms $\pm 10\%$ |
| Pause Plunger | P-120F | 540 ohms $\pm 10\%$ |

Chart-3

X. CLASSIFICATION OF VARIOUS P.C BOARDS

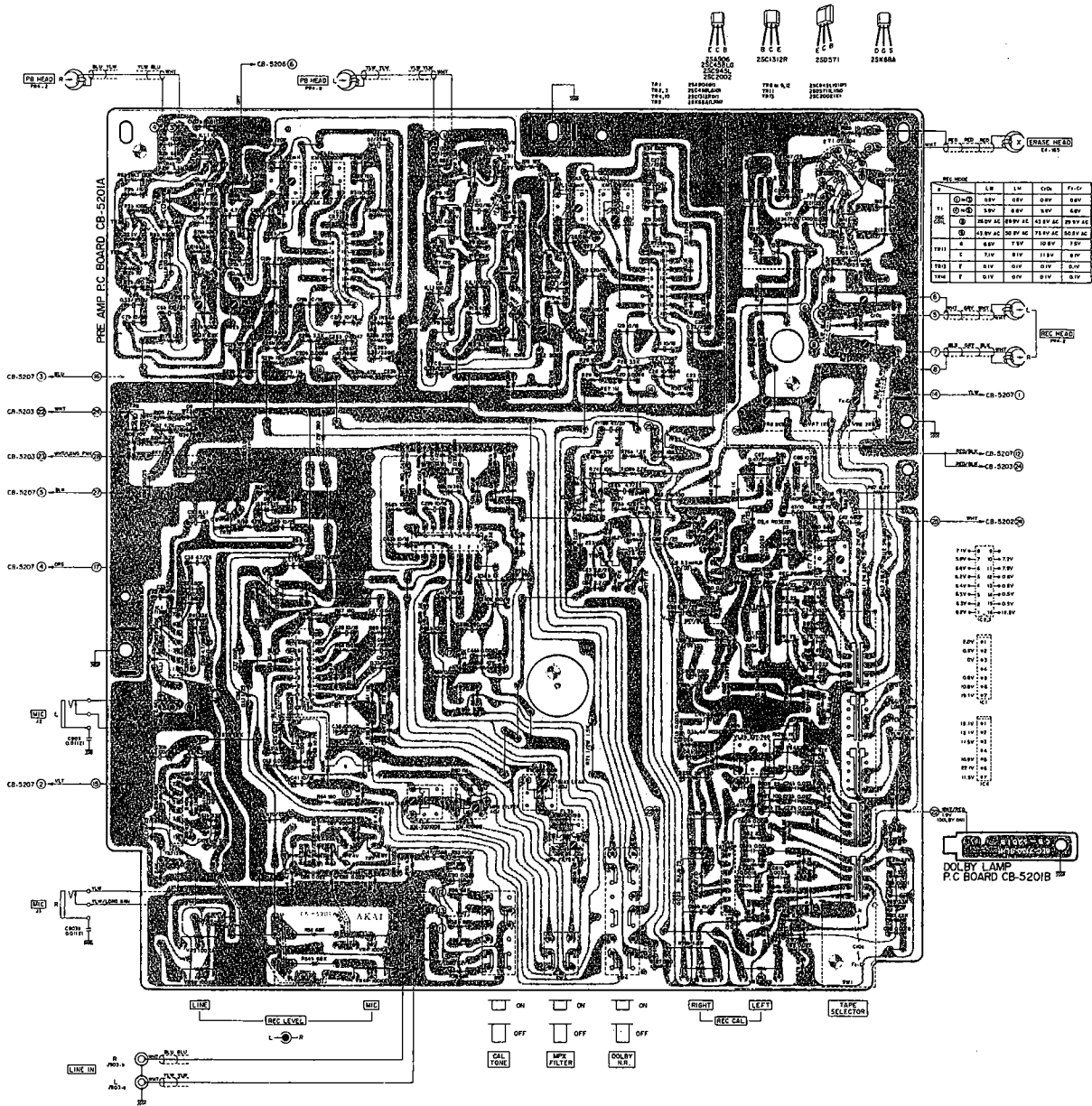
1. RELATION OF P.C BOARD TITLE AND IDENTIFICATION NUMBER

| P.C Board Title | P.C Board Number |
|------------------------|------------------|
| Pre Amp P.C Board | CB-5201A |
| Dolby Lamp P.C Board | CB-5201B |
| Sys. Con P.C Board | CB-5202 |
| Power Supply P.C Board | CB-5203 |
| Noise Filter P.C Board | CB-5204 |
| Lamp P.C Board | CB-5205 |
| Meter Amp P.C Board | CB-5207 |
| Housing Lamp P.C Board | CI-5237 |

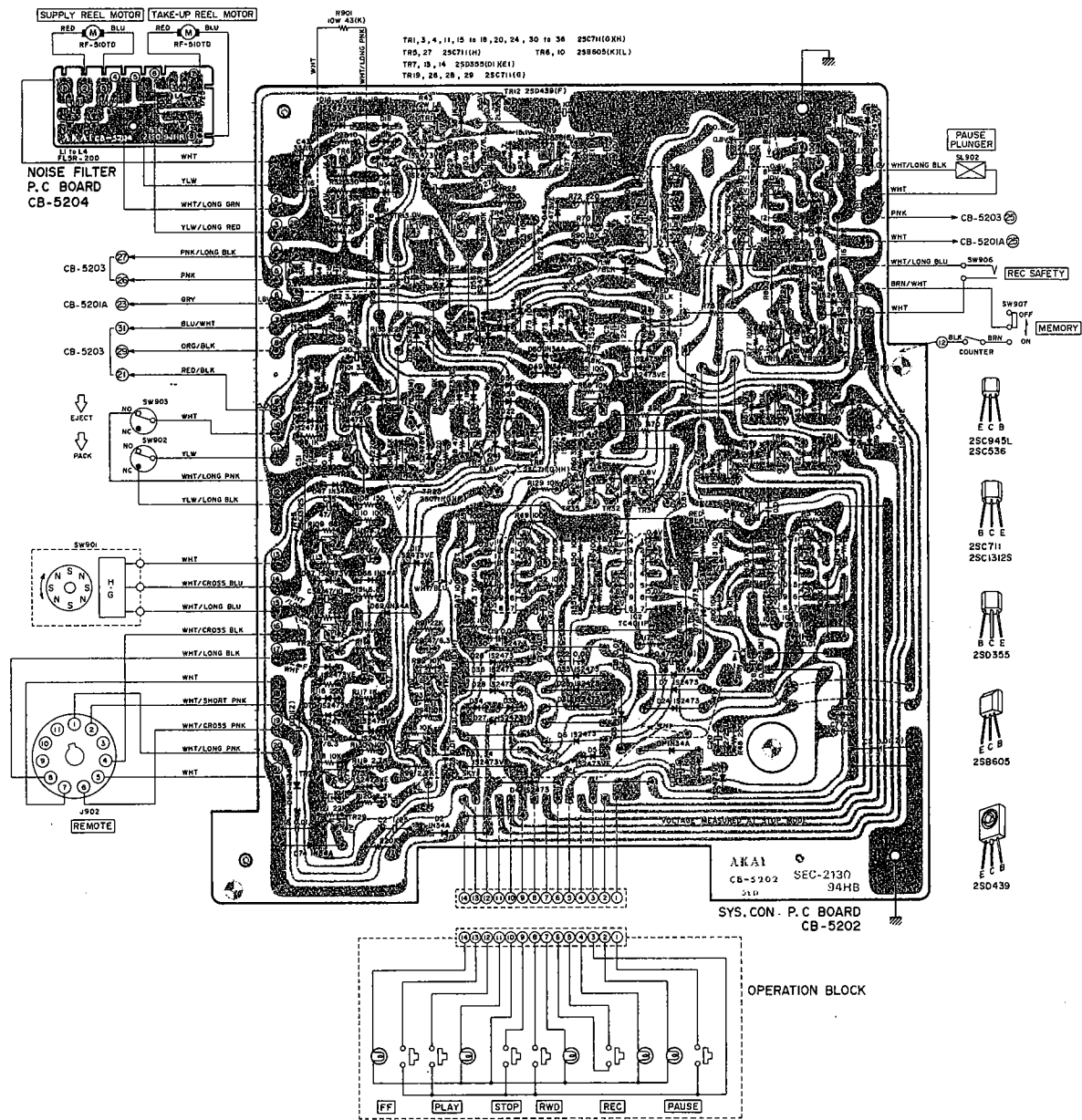
Chart-4

2. COMPOSITION OF VARIOUS P.C BOARDS

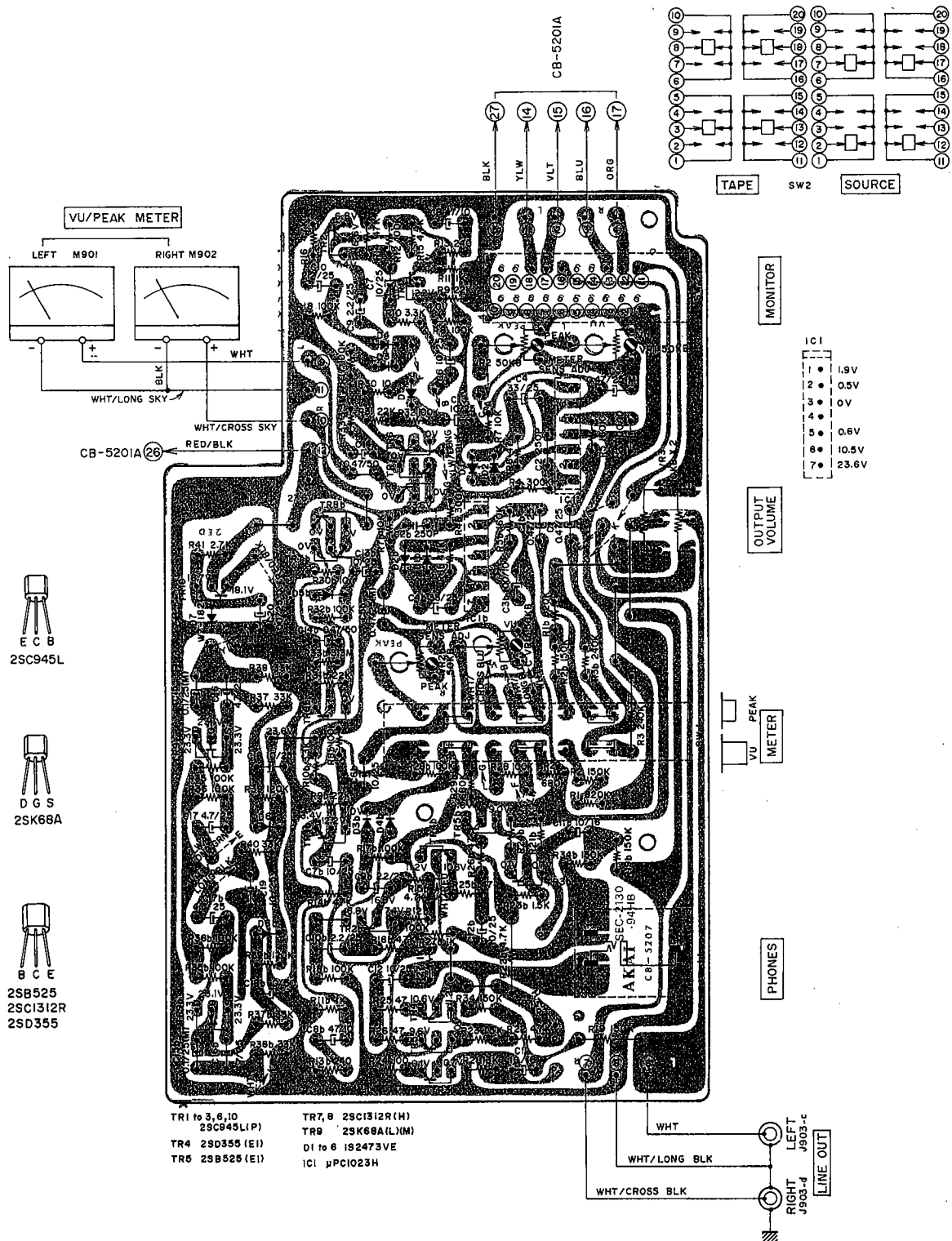
1) PRE AMP P.C BOARD CB-5201A and DOLBY LAMP P.C BOARD CB-5201B



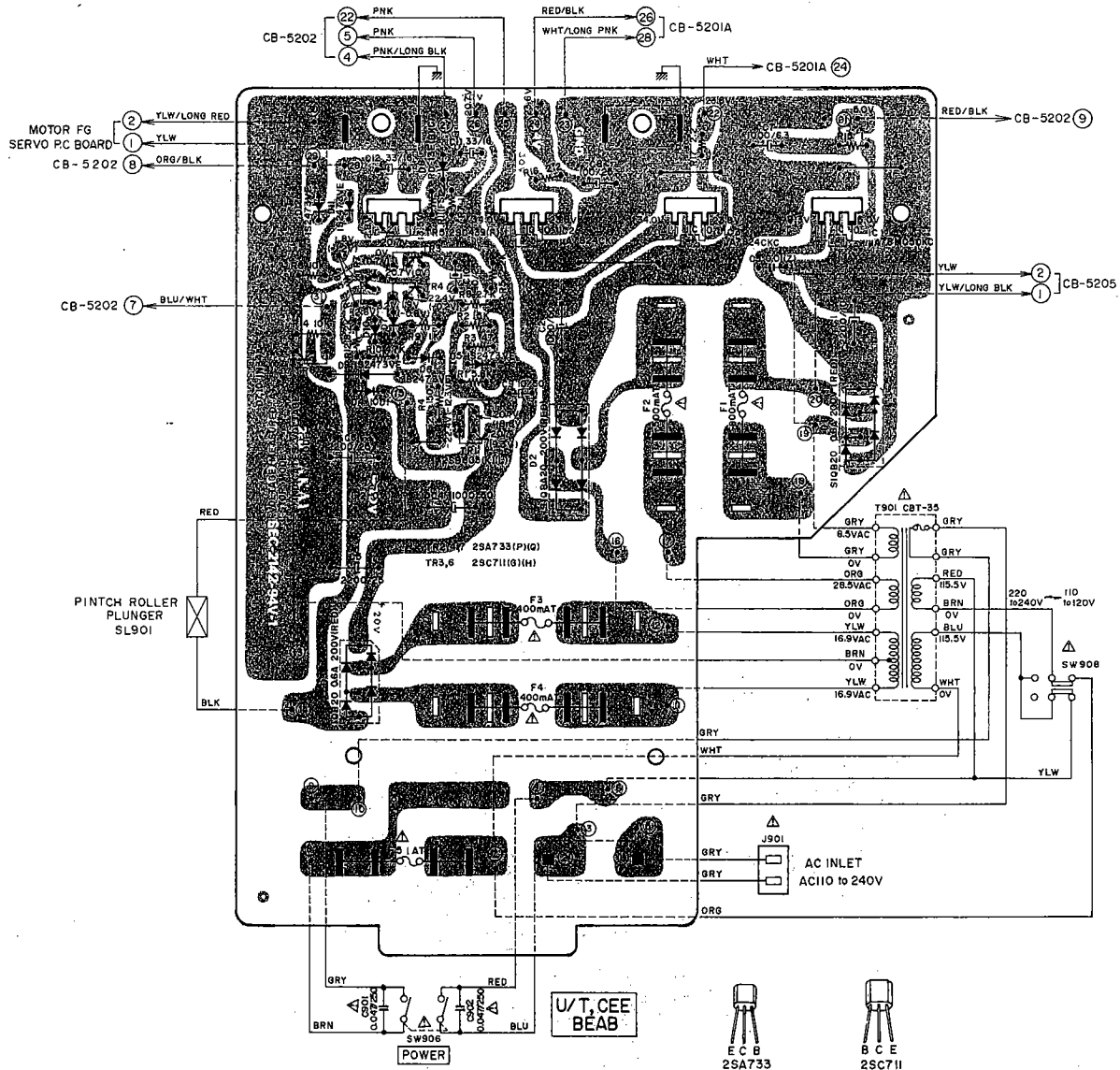
2) SYS. CON P.C BOARD CB-5202 and NOISE FILTER P.C BOARD CB-5204



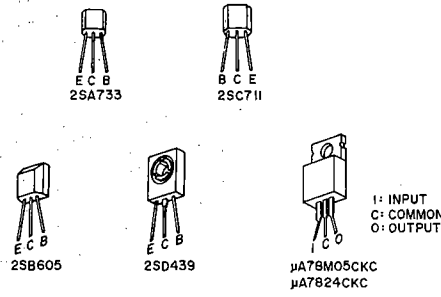
3) METER AMP P.C BOARD CB-5207



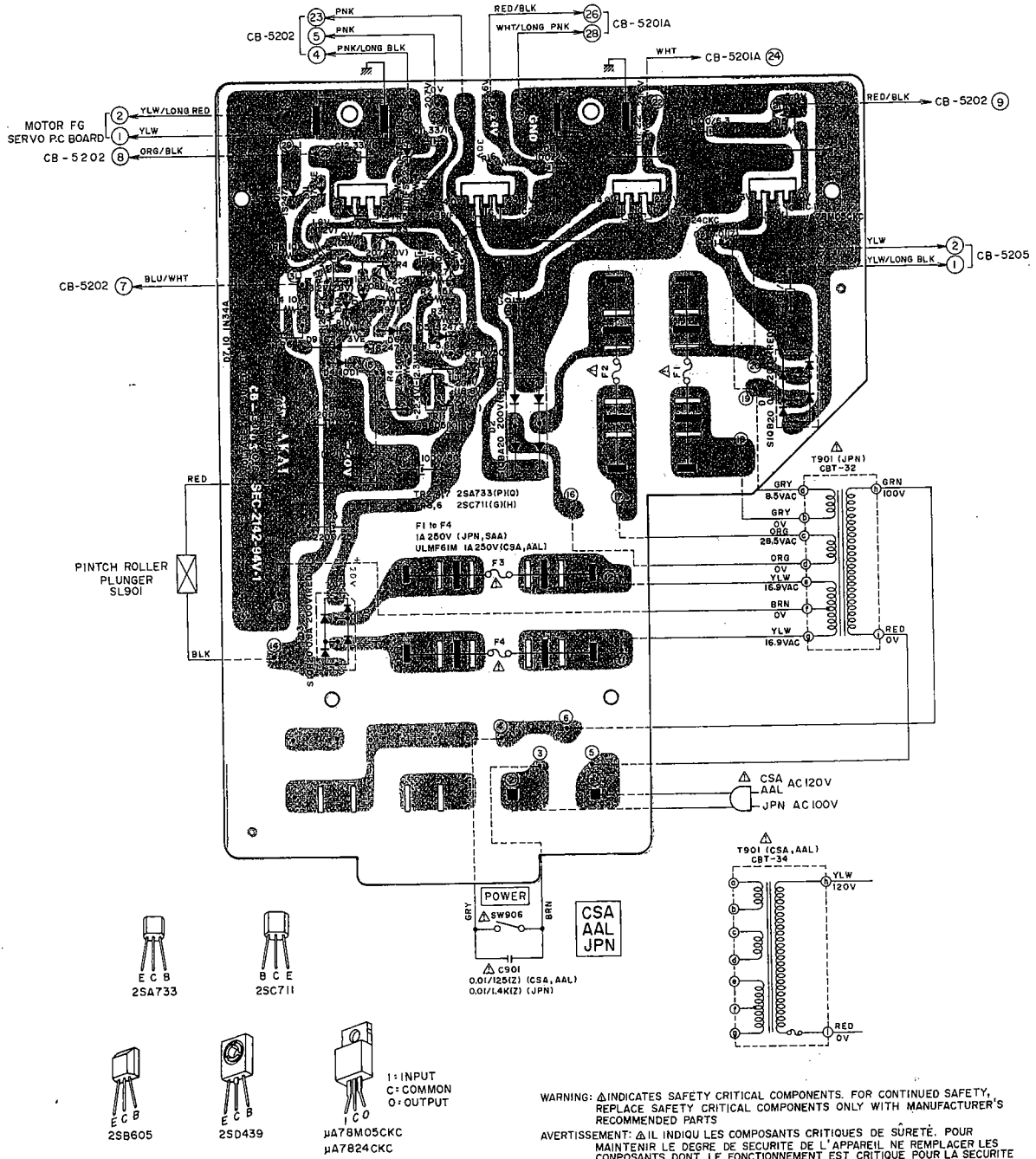
4) POWER SUPPLY P.C BOARD CB-5203 (U/T, CEE, BEAB)



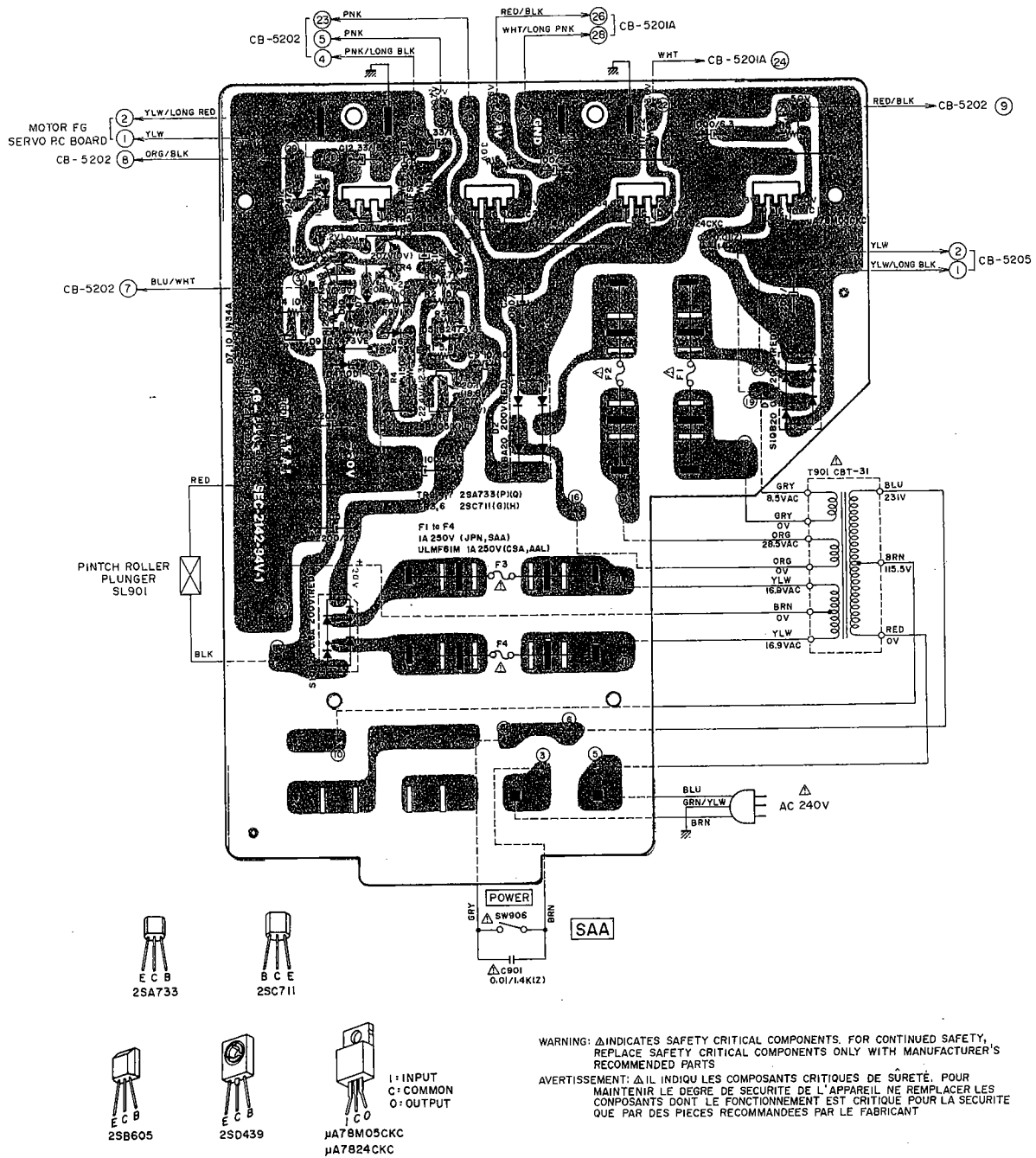
WARNING: Δ INDICATES SAFETY CRITICAL COMPONENTS. FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS
 AVERTISSEMENT: Δ IL INDIQU LES COMPOSANTS CRITIQUES DE SÛRETÉ. POUR MAINTENIR LE DEGRÉ DE SÛRETÉ DE L'APPAREIL NE REMPLACER LES COMPOSANTS DONT LE FONCTIONNEMENT EST CRITIQUE POUR LA SÛRETÉ QUE PAR DES PIÈCES RECOMMANDÉES PAR LE FABRICANT.



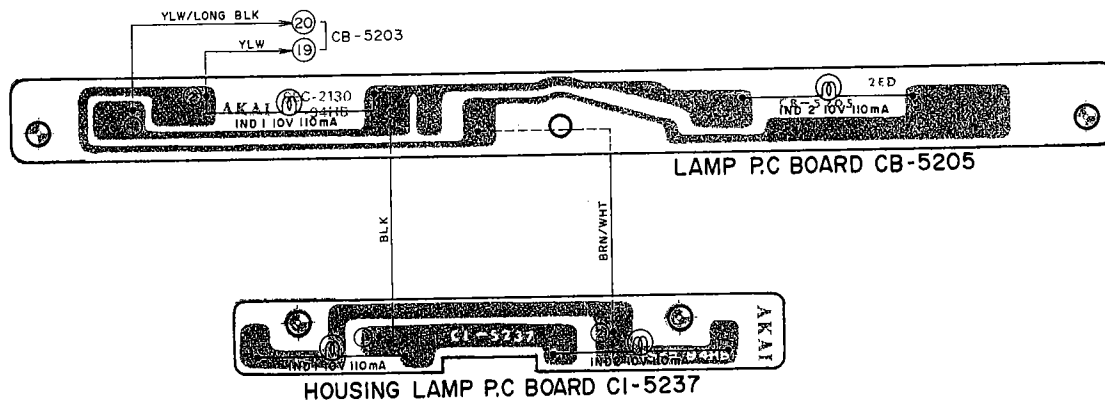
5) POWER SUPPLY P.C BOARD CB-5203 (CSA, AAL, JPN)



6) POWER SUPPLY P.C BOARD CB-5203 (SAA)



7) LAMP P.C BOARD CB-5205 and HOUSING LAMP P.C BOARD CI-5237



MEMO

MEMO

MEMO

SECTION 2

PARTS LIST

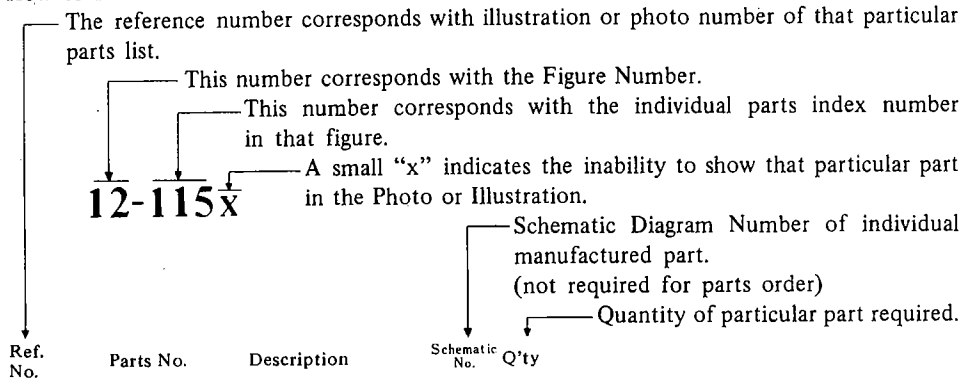
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Resistor and Capacitor which is not listed in this parts list, please refer to COMMON LIST FOR SERVICE PARTS.

HOW TO USE THIS PARTS LIST

1. This parts list is compiled by various individual blocks based on assembly process.
2. When ordering parts, please describe parts number, serial number, and model number in detail.
3. How to read List



| Ref. No. | Parts No. | Description | Schematic No. | Q'ty |
|---------------------------|-----------|----------------------------|---------------|------|
| FLYWHEEL BLOCK #13 | | | | |
| 12-115x | 800425 | Flywheel Block Assy. Comp. | RDG #13 | 1 |
| 12-116 | 244506 | Flywheel Only | RD-233 | 1 |
| 12-117x | 244754 | Felt, Flywheel | RD-275 | 1 |
| 12-118 | 251324 | Main Metal Case | RD-236 | 1 |
| 12-119 | 253080 | Main Metal | RD-237 | 1 |

4. The symbol numbers shown on the P.C. Board list can be matched with the Composite Views of Components of the Schematic Diagram or Service Manual.
5. Please utilize separate "Common List for Service Parts" for Resistor Parts orders.
6. The shape of the parts and parts name, etc. can be confirmed by comparing them with the parts shown on the Electrical Parts Table of P.C. Board.
7. Both the kind of part and installation position can be determined by the Parts Number. To determine where a parts number is listed, utilize Parts Index at end of Parts List.
It is necessary first of all to find the Parts Number. This can be accomplished by using the Reference Number listed at right of parts number in the Parts Index. (meaning of ref. no. outlined in Item 3 above).
8. Utilize separate "Price List for Parts" to determine unit price. The most simple method of finding parts Price is to utilize the reference number.

- CAUTION:**
1. When placing an order for parts, be sure to list the parts no., model no., and description. There are instances in which if any of this information is omitted, parts cannot be shipped or the wrong parts will be delivered.
 2. Please be careful not to make a mistake in the parts no. If the parts no. is in error, a part different from the one ordered may be delivered.
 3. Because parts number and parts unit supply in the Preliminary Service Manual (Basic Parts List) may be partially changed, please use this parts list for all future reference.

WARNING: ⚠ INDICATES SAFETY CRITICAL COMPONENTS. FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS.

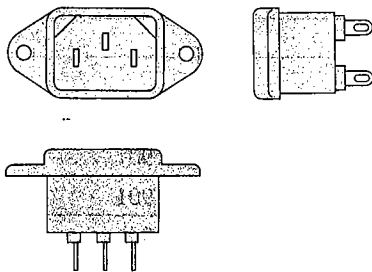
AVERTISSEMENT: ⚠ IL INDIQUE LES COMPOSANTS CRITIQUES DE SURETE. POUR MAINTENIR LE DEGRE DE SECURITE DE L'APPAREIL NE REMPLACER LES COMPOSANTS DONT LE FONCTIONNEMENT EST CRITIQUE POUR LA SECURITE QUE PAR DES PIECES RECOMMANDEES PAR LE FABRICANT.

AC INLET SYSTEM

This model is equipped with an AC INLET SYSTEM. Please refer to the AC INLET SYSTEM CHART below for the specific type. By the AC INLET SYSTEM, AC (mains) cord can be connected to and disconnected from the model because the model is provided with socket exclusively for AC (mains) cord on its main body. Please note, however, that certain models are not equipped with this system and has a built-in AC (mains) cord as before.

AC INLET SYSTEM CHART

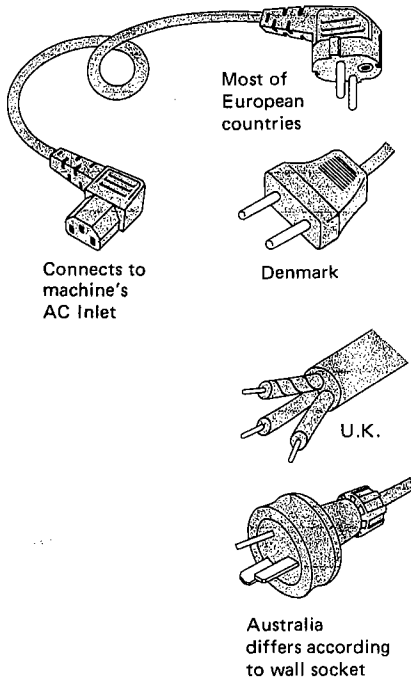
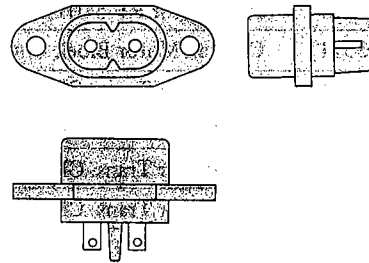
CLASS I



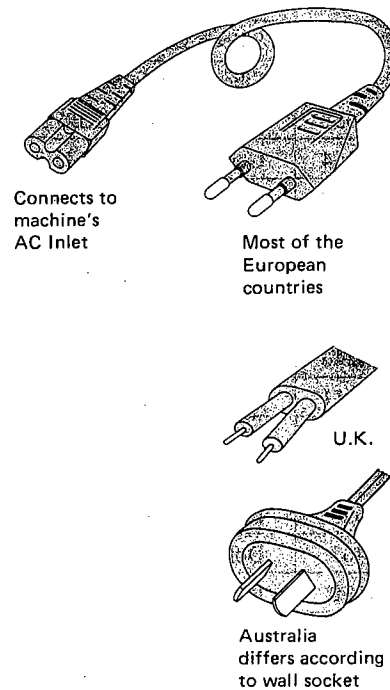
Picture 1
AC INLET
to be
installed
on machines

CLASS II

⊠ This mark indicating double insulation will be attached to machine's rear panel



Picture 2
AC (mains)
cord



Parts List for AC (mains) Cord Set

| | Standard | Description | Type of AC Inlet | Parts No. |
|----------|----------|-------------------------|------------------|-----------|
| Class I | CEE | Cord Set CEE (3 cores) | 3P | EW302993 |
| | BEAB | Cord Set BEAB (3 cores) | 3P | EW302994 |
| | SAA | Cord Set SAA (3 cores) | 3P | EW302996 |
| | U/T | Cord Set U/T (3 cores) | 3P | EW302646 |
| Class II | CEE | Cord Set CEE (2 cores) | 2P | EW638144 |
| | BEAB | Cord Set BEAB (2 cores) | 2P | EW302995 |
| | SAA | Cord Set SAA (2 cores) | 2P | EW302991 |
| | U/T | Cord Set U/T (2 cores) | 2P | EW302899 |

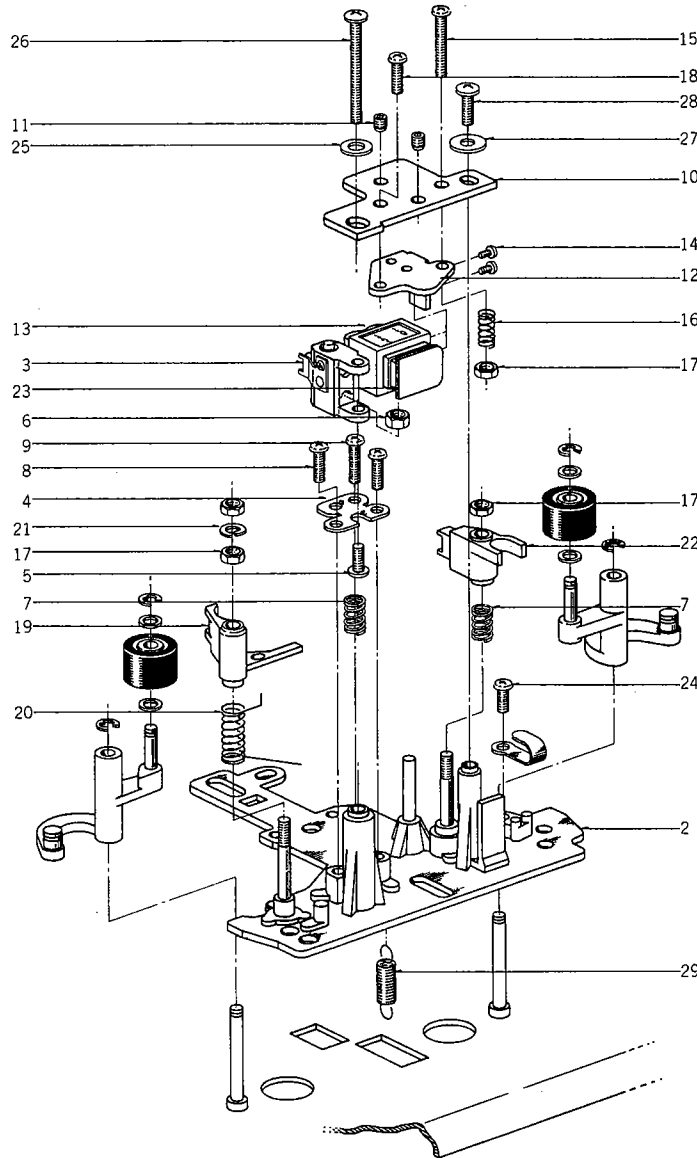
1. RECOMMENDED SPARE PARTS LIST

Because, if the parts listed below are on hand, almost any repair can be accomplished, we suggest that you stock these Recommended Spare Parts Items.

| Parts No. | Description | Note |
|-----------|--|-----------------------|
| BA304069 | Pre Amp P.C Board Comp. GXC-750D | |
| BA304037 | Sys. Con P.C Board Comp. GXC-750D | |
| BA304034 | Power Supply P.C Board Comp. GXC-750D (U/T, CEE, BEAB) | |
| BA304035 | Power Supply P.C Board Comp. GXC-750D (JPN, CSA, AAL, SAA) | |
| BA304036 | Meter Amp P.C Board Comp. GXC-750D | |
| BA303612 | Noise Filter P.C Board Comp. GXC-750D | |
| BM302507 | Reel Motor RF-510TD | |
| BM303321 | Capstan Motor Block Comp. GXC-750D | |
| BT303989 | △ Power Trans. CBT-35 (U/T, CEE) | T901 |
| BT302631 | △ Power Trans. CBT-32 (JPN) | T901 |
| BT302633 | △ Power Trans. CBT-34 (CSA, AAL) | T901 |
| BT303988 | △ Power Trans. CBT-31 (SAA) | T901 |
| ED624903 | Silicon Diode 1S2473 | |
| ED560913 | Silicon Diode 1S2473VE | |
| ED224526 | Silicon Diode 10D1 | |
| ED249581 | Silicon Diode SIQB20 0.6A 200V (RED) | |
| ED304658 | Silicon Diode SIRBA20 200V (RED) | |
| ED219464 | Germanium Diode 1N34A | |
| ED562397 | Germanium Diode 1S188FM-1 | |
| ED305239 | Zener Diode WZ-182 | |
| ED304656 | Zener Diode RD-3E (B) | |
| ED304247 | Zener Diode RD-13E (B) (C) | |
| ED304246 | Zener Diode RD-16E (B) (C) | |
| ED557111 | Zener Diode WZ-210 | |
| ED283138 | LED GL-3PG1 | |
| EI669666 | IC μ PC1023H | IC1 (CB-5207) |
| EI302623 | IC TA-7139P | IC1 (CB-5201A) |
| EI301463 | Dolby IC CR-713B | IC2, 3 (CB-5201A) |
| EI304190 | IC TA-7140P | IC4 (CB-5201A) |
| EI304657 | IC TC-4011P | IC1 to 3, 5 (CB-5202) |
| EI304165 | IC MB400/7400 | IC4 (CB-5202) |
| EI304173 | IC μ A78M05CKC | IC1 (CB-5203) |
| EI304174 | IC μ A7824CKC | IC2, 3 (CB-5203) |
| EL304025 | Lamp (No. 2) 10V 110mA | |
| EP302445 | Plunger Solenoid P-120F | |
| EP302690 | Plunger Solenoid TDS-12E | |
| ES302940 | Micro SW. SS-5GLC | SW902 |
| ES305231 | Micro SW. AH7450261 | SW903 |
| ES302448 | Leaf SW. BSW-81 | SW905 |
| ES303985 | Rotary Slide SW. SRZ-V104S | SW1 (CB-5201A) |

| Parts No. | Description | Note |
|-----------|---|---------------------|
| ES691424 | Lever SW. SLK04251 | SW2 (CB-5207) |
| ES303986 | Push SW. SUE-33 | SW2 to 4 (CB-5201A) |
| ES303981 | Push SW. SUE-12 | SW1 (CB-5207) |
| ES665807 | △ Push SW. SDG-5P 5A/80A 250V (U/T, CEE, BEAB) | SW906 |
| ES293703 | △ Push SW. SDV1P TV-5 (w/o label) (JPN, SAA, CSA) | SW906 |
| ES280258 | △ Push SW. SDV1P TV-5 (w/label) (AAL) | SW906 |
| ES517410 | Push SW. SPJ-10101 | |
| ET554657 | Transistor 2SA733 (P) (Q) | |
| ET304180 | Transistor 2SA906 (H) | |
| ET302540 | Transistor 2SB525 (E1) | |
| ET666415 | Transistor 2SB605 (K) (L) | |
| ET563905 | Transistor 2SC711 (G) (H) | |
| ET429748 | Transistor 2SC711 (H) | |
| ET399870 | Transistor 2SC711 (G) | |
| ET398777 | Transistor 2SC711 (G) (F) | |
| ET621268 | Transistor 2SC711 (F) (G) (H) | |
| ET639437 | Transistor 2SC945L (Q) (P) | |
| ET635220 | Transistor 2SC945L (K) (P) | |
| ET638504 | Transistor 2SC945L (P) | |
| ET361923 | Transistor 2SC536 (E) | |
| ET242684 | Transistor 2SC1312S (H) | |
| ET539864 | Transistor 2SC1312R (H) | |
| ET352146 | Transistor 2SC458LG (D) | |
| ET304181 | Transistor 2SC2002 (K) | |
| ET304167 | Transistor 2SD439 (F) | |
| ET302538 | Transistor 2SD355 (E1) | |
| ET655356 | Transistor 2SD571 (L) (M) | |
| ET302300 | Transistor 2SD355 (D2) (E1) | |
| ET669633 | FET 2SK68A (L) (M) | |
| EV520806 | Semi-fixed/Vol. V8K4-1 10k (B) | VR1 (CB-5201A) |
| EV522797 | Semi-fixed/Vol. V8K4-1 20k (B) | VR2 (CB-5201A) |
| EV464220 | Semi-fixed/Vol. V8K4-1 50k (B) | |
| EV269572 | Semi-fixed/Vol. V10K8-4-2 2k (B) | VR6 (CB-5201A) |
| EV484863 | Semi-fixed/Vol. V10K8-4-2 1k (B) | VR8 (CB-5201A) |
| EV499882 | Semi-fixed/Vol. V10K8-4-2 300k (B) | VR9, 10 (CB-5201A) |
| EV303984 | Vol. VM10R 10k (B) | VR3 (CB-5201A) |
| EV303987 | Double axial 2 throw Vol. DM20R 100k(A) × 2 | VR4, 5 (CB-5201A) |
| EV303982 | Vol. CM70R 10k(B) × 2 | VR3 (CB-5207) |
| EZ304894 | Rotary SW. Assy GXC-750D | SW901 |
| HE636963 | ERASE HEAD E4-165 | |
| HP671174 | REC/PB HEAD PR4-2 | |
| MB302211 | Counter Belt | |
| MB302316 | Capstan Belt | |

2. ILLUSTRATION OF HEAD BASE BLOCK

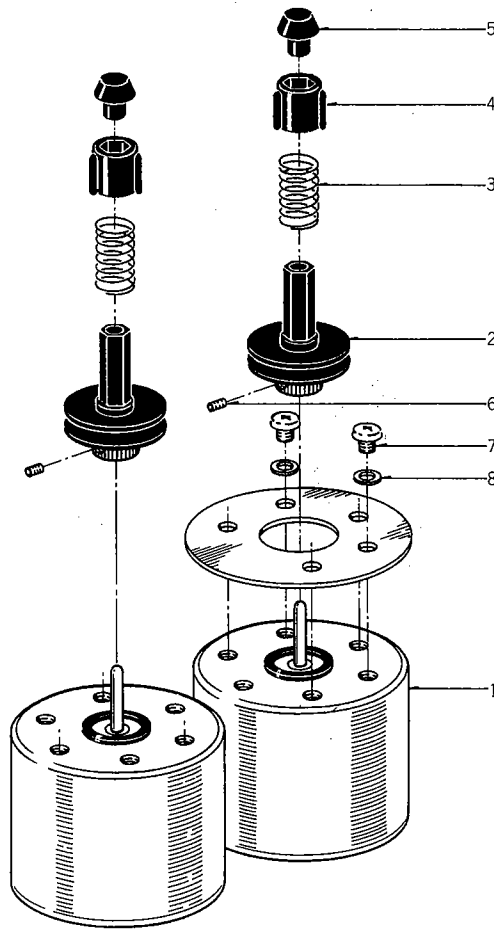


2) HEAD BASE BLOCK

| Ref. No. | Parts No. | Description | Schematic No. | Ref. No. | Parts No. | Description | Schematic No. |
|----------|-----------|--|---------------|----------|-----------|--------------------------------|---------------|
| 2-1x | BH302650 | Head Base Block Comp. GXC-570D-2 | | 2-15 | ZS670004 | Screw, pan head 2.3x16 | |
| 2-2 | HZ302385 | Head Base Part-G CI-2 | CI-0201 | 2-16 | ZS465636 | Angle Adjust Spring | CG-0029 |
| 2-3 | HE636963 | ERASE HEAD E4-165 | | 2-17 | ZW591265 | Nut M2.3, #3 | |
| 2-4 | HZ227103 | Erase Head Plate (B) | CA-0213 | 2-18 | ZS487091 | Screw, pan head 2.3x8 | |
| 2-5 | ZS375118 | Screw, binding head 2.3x6 | | 2-19 | HZ302181 | Tape Guide (C) | CI-0207 |
| 2-6 | ZW699052 | Nut, M2.3 D2.3x5x2.3t | | 2-20 | ZG302182 | Guide Spring | CI-0208 |
| 2-7 | ZG289236 | Tape Guide Spring | CM-0005 | 2-21 | ZW273666 | Spring Washer, M2.3 | |
| 2-8 | ZS522180 | Tapping Screw #2, 2x8 (Pan) | | 2-22 | TC286007 | Tape Guide (B) | CM-0002 |
| 2-9 | ZS302510 | Screw, pan head 2x10 | | 2-23 | EA669510 | PR4-1 Terminal P.C Board | CW-0045 |
| 2-10 | HZ302183 | Head Hanger (C) | CI-0209 | 2-24 | ZS669104 | Tapping Screw #2, 2.3x6 (Pan) | |
| 2-11 | ZS356804 | Set Screw, hexagon socket 3x4 (CUP/P.) | | 2-25 | ZW452395 | Washer (SPC) D2.3x7x0.5t | |
| 2-12 | HZ302180 | Head Mt. Parts | CI-0205 | 2-26 | ZS302425 | Head Hanger Screw | CI-0210 |
| 2-13 | HP671174 | REC/PB HEAD PR4-2 | | 2-27 | ZW550642 | Washer (SPC) D3.1x8x0.5t | |
| 2-14 | ZS300626 | Screw, pan head 2x2.5 (Camera Standard) | | 2-28 | ZS300436 | Tapping Screw #2, 2.3x8 (Bind) | |
| | | | | 2-29 | ZG595506 | Stop Spring | CH-3007 |

When ordering parts, please describe Parts Number, Description, and Model Number in detail.

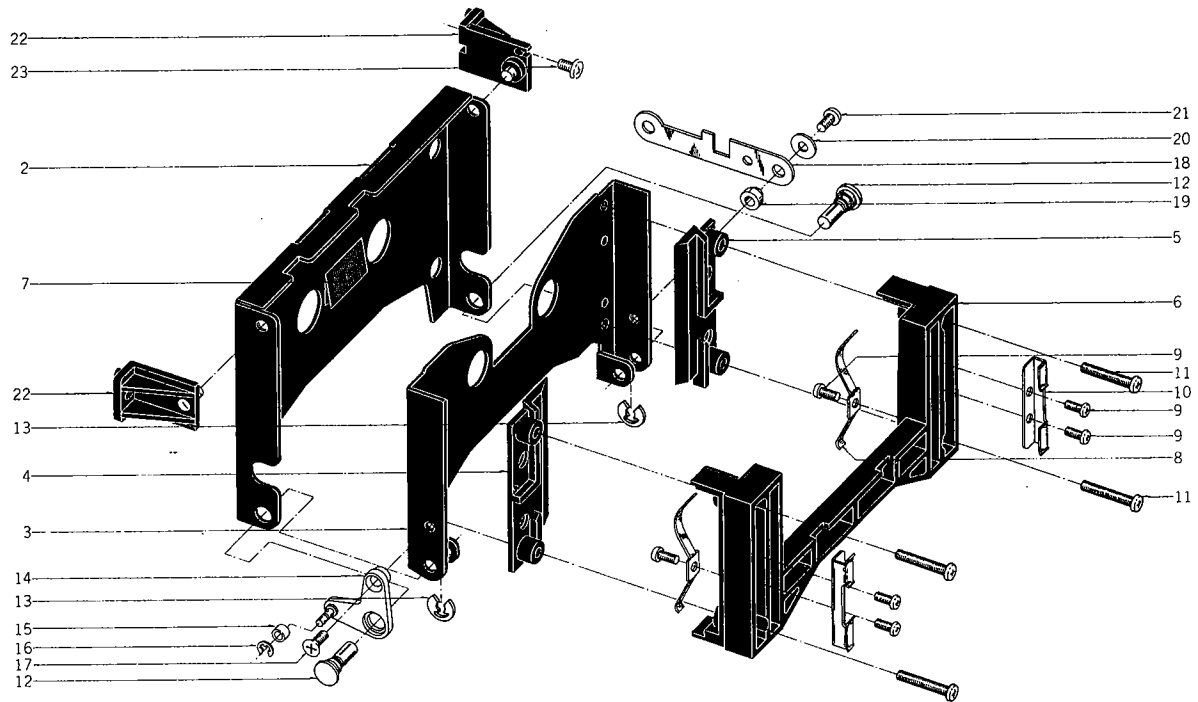
3. ILLUSTRATION OF REEL TABLE BLOCK



3) REEL TABLE BLOCK

| Ref. No. | Parts No. | Description | Schematic No. |
|----------|-----------|---|---------------|
| 3-1 | BM302507 | Reel Motor RF-510TD | 9-2-13 |
| 3-2 | MT302244 | Reel Table Part-G GI-2 | CI-2205 |
| 3-3 | ZG302350 | Reel Table Spring | CI-2217 |
| 3-4 | MT605766 | Reel Table Blade (V Type) | CH-1070 |
| 3-5 | MT667912 | Reel Table Top | CB-2019 |
| 3-6 | ZS302938 | Set Screw, hexagon socket 2x3 (WP) | |
| 3-7 | ZS608174 | Screw, pan head 2.6x3 (Take-up) | |
| 3-8 | ZW318014 | Washer (BSP) D2.6x4.5x0.4t (Take-up) | |

4. ILLUSTRATION OF CASSETTE HOLDER BLOCK

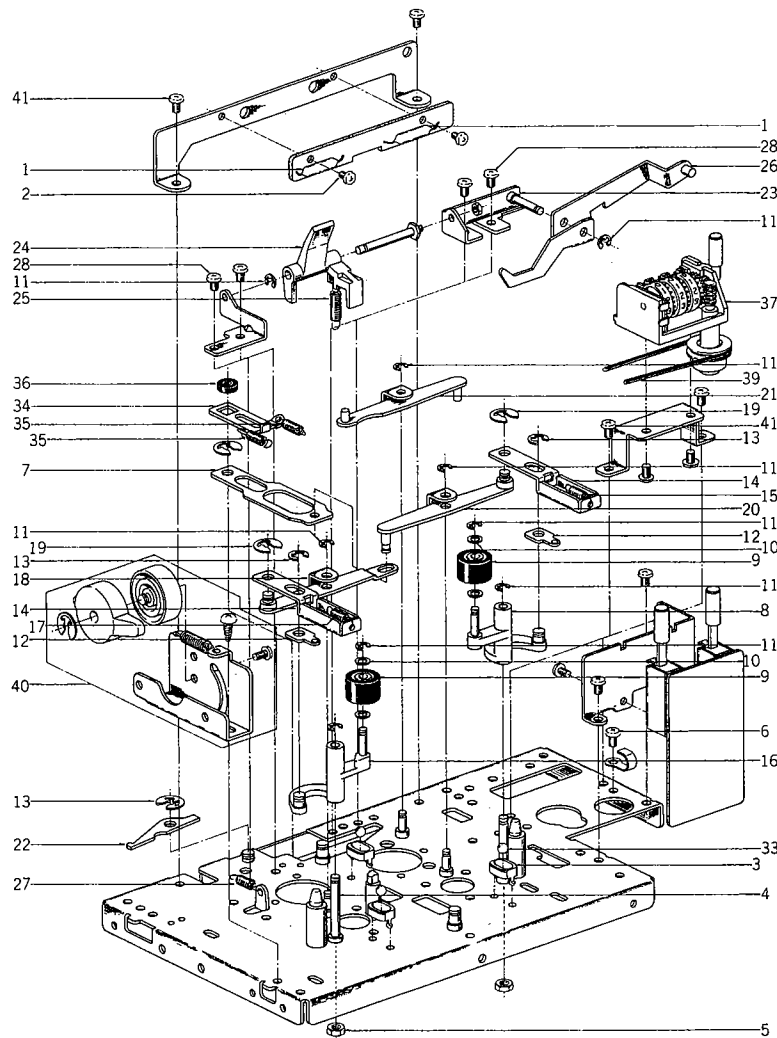


4) CASSETTE HOLDER BLOCK

| Ref. No. | Parts No. | Description | Schematic No. |
|----------|-----------|---|---------------|
| 4-1x | BZ302234 | Cassette Holder Block Comp. GXC-570D-2 | |
| 4-2 | TC302245 | Trap Part CI-2 | CI-2211 |
| 4-3 | TC292285 | Cassette Holder | CA-2023 |
| 4-4 | MS595563 | Cassette Guide (L) | CH-2007 |
| 4-5 | MS595552 | Cassette Guide (R) | CH-2006 |
| 4-6 | TC647065 | Cassette Case | CA-2024 |
| 4-7 | TC645186 | Reflector | CA-2071 |
| 4-8 | ZG305459 | Sheet Spring (C) | CI-2019 |
| 4-9 | ZS669104 | Tapping Screw #2, 2.3x6 (Pan) | |
| 4-10 | TC642148 | Lid Chuck | CA-2026 |
| 4-11 | ZS592402 | Screw, pan head 3x18 | |
| 4-12 | MH644916 | Hinge Pin | CA-2028 |
| 4-13 | ZW290283 | 'U' Ring 2.85M | 6-1-1 |
| 4-14 | ML302246 | Eject Guide Arm Part CI-2 | CI-2212 |
| 4-15 | MR305435 | Roller | CB-2225 |
| 4-16 | ZW270088 | 'E' Ring 1.9M | 6-1-9 |
| 4-17 | ZS414033 | Screw, countersunk head 3x8 | |
| 4-18 | MZ302311 | Joint | CI-1249 |
| 4-19 | MH302312 | Sleeve | CI-1250 |
| 4-20 | ZW550642 | Washer (SPC) D3.1x8x0.5t | |
| 4-21 | ZS379350 | Screw, pan head 3x6 | |
| 4-22 | TC302142 | Stand Part-G GXC-570D-2 | CI-1220 |
| 4-23 | ZS323728 | Screw, binding head 3x5 | |
| 4-24x | ZW270101 | 'E' Ring 3M | 6-1-9 |

When ordering parts, please describe Parts Number, Description, and Model Number in detail.

5. ILLUSTRATION OF MECHA FRAME BLOCK (1)

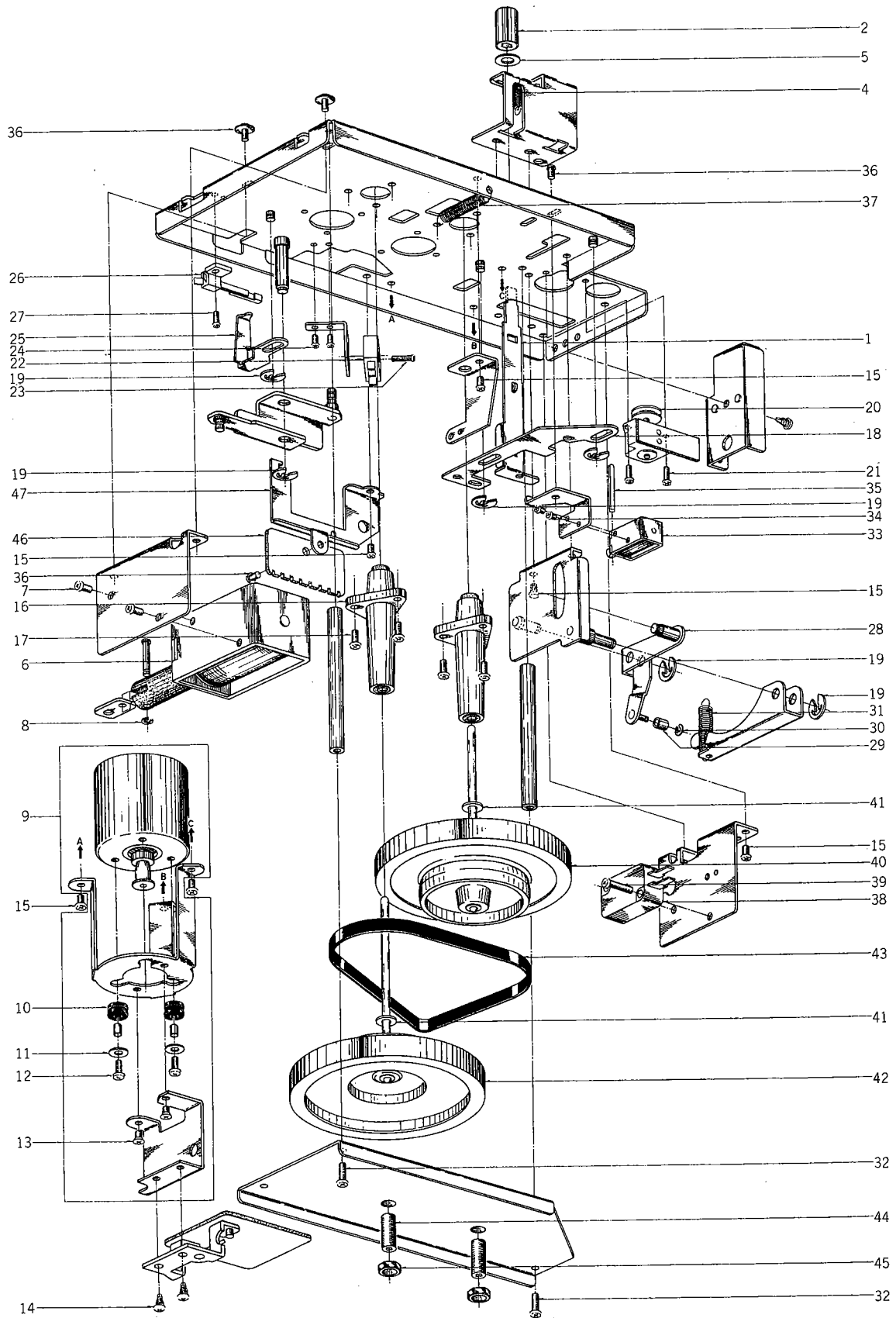


5) MECHA FRAME BLOCK (1)

| Ref. No. | Parts No. | Description | Schematic No. | Ref. No. | Parts No. | Description | Schematic No. |
|-------------------------------------|-----------|-----------------------------|---------------|------------|-----------|-----------------------------|---------------|
| HOUSING LAMP P.C BOARD BLOCK | | | | | | | |
| 5-1 | EL304025 | Lamp (No. 2) 10V 110mA | 28-2-66 | 5-21 | ML302138 | Play Arm Part GXC-570D-2 | CI-1215 |
| 5-2 | ZS417251 | Screw, binding head 2.3x3 | | 5-22 | ML302208 | Magnification Lever | CI-1227 |
| MECHA FRAME BLOCK | | | | | | | |
| 5-3 | MS302191 | Ball Guide | CI-1209 | 5-23 | ML302139 | Hold Bracket Part-G | CI-1223 |
| 5-4 | MS302190 | Pinch Roller Stud | CI-1208 | GXC-570D-2 | | | |
| 5-5 | ZW273756 | Nut M3, #1 | | 5-24 | TC302206 | Cassette Push | CI-1226 |
| 5-6 | ZS417216 | Screw, pan head 3x4 | | 5-25 | ZG595506 | Stop Spring | CH-3007 |
| 5-7 | MZ302192 | P Joint | CI-1210 | 5-26 | ML302141 | UP Lever Part GXC-570D-2 | CI-1228 |
| 5-8 | TC302134 | PW Arm (R) Part GXC-570D-2 | CI-1216 | 5-27 | ZG394378 | Return Spring | CS-2106 |
| 5-9 | MP612628 | Pinch Roller Part CW | CW-0010 | 5-28 | ZS200384 | Screw, countersunk head 3x6 | |
| 5-10 | ZW282407 | Push Washer (B) | CN-1056 | 5-29x | TC302142 | Stand Part-G GXC-570D-2 | CI-1220 |
| 5-11 | ZW270088 | 'E' Ring 1.9M | 6-1-9 | 5-30x | ZS323728 | Screw, binding head 3x5 | |
| 5-12 | MZ302320 | Clutch Plate | CI-1260 | 5-31x | ZS592378 | Screw, pan head 2.6x3 | |
| 5-13 | ZW270101 | 'E' Ring 3M | 6-1-9 | 5-32x | ZS432843 | Screw, pan head 2.6x4 | |
| 5-14 | ML302199 | P Slide | CI-1219 | 5-33 | MV269965 | Steel Ball D4 | |
| 5-15 | ZG302349 | Pinch Roller Spring (R) | CI-1266 | 5-34 | HZ302202 | Head Clutch Plate | CI-1222 |
| 5-16 | TC302135 | PW Arm (L) Part GXC-570D-2 | CI-1218 | 5-35 | ZG445410 | Slide Spring | DF-5036 |
| 5-17 | ZG302644 | Pinch Roller Spring (L) | CI-1269 | 5-36 | MZ302351 | Rubber Bush | CI-1268 |
| 5-18 | ML302136 | P Lever (B) Part GXC-570D-2 | CI-1214 | 5-37 | MC304094 | Counter GXC-750D | 9-1-57 |
| 5-19 | ZW290283 | 'U' Ring 2.85M | 6-1-1 | 5-38x | MC305453 | Counter GXC-750D-BL | 9-1-60 |
| 5-20 | ML302137 | P Lever (A) Part GXC-570D-2 | CI-1211 | 5-39 | MB302211 | Counter Belt | CI-1230 |
| | | | | 5-40 | TC302695 | Oil Clutch (C) Comp.-G | |
| | | | | GXC-570D-2 | | | |
| | | | | 5-41 | ZS417216 | Screw, pan head 3x4 | CI-2218 |

When ordering parts, please describe Parts Number, Description, and Model Number in detail.

6. ILLUSTRATION OF MECHA FRAME BLOCK (2)



6) MECHA FRAME BLOCK (2)

| Ref. No. | Parts No. | Description | |
|----------------------------|-----------|--|----------|
| EJECT KEY BLOCK | | | |
| 6-1 | TC302329 | Eject Key | CI-2208 |
| 6-2 | SK303165 | Push Button (A) GXC-709D | CM-6060 |
| 6-3x | SK305160 | Push Button (C) GXC-709D-BL | CM-6060 |
| 6-4 | ZG387178 | Idler Tension Spring | CS-1106 |
| 6-5 | ZW376402 | Washer (Fiber) D5.1x10.3x1t | |
| PLUNGER BLOCK | | | |
| 6-6 | EP302690 | Plunger Solenoid TDS-12E | 44-1-95 |
| 6-7 | ZS422076 | Screw, pan head 3x5 | |
| 6-8 | ZW270088 | 'E' Ring 1.9M | 6-1-9 |
| CAPSTAN MOTOR BLOCK | | | |
| 6-9 | BM303321 | Capstan Motor Block Comp. GXC-750D | CI-1270 |
| 6-10 | MB282778 | Rubber Bush | CN-7003 |
| 6-11 | ZW550697 | Washer (SPC) D2.9x7.4x0.5t | |
| 6-12 | ZS608220 | Screw, pan head 2.6x6 | |
| 6-13 | ZS444330 | Screw, countersunk head 3x4 | |
| 6-14 | ZS325495 | Tapping Screw #2, 3x6 (BR) | |
| MECHA FRAME BLOCK | | | |
| 6-15 | ZS417216 | Screw, pan head 3x4 | |
| 6-16 | MV302652 | Metal Case Part GXC-570D-2 | CI-1233 |
| 6-17 | ZS379350 | Screw, pan head 3x6 | |
| 6-18 | ML302216 | Play Slide | CI-1236 |
| 6-19 | ZW290283 | 'U' Ring 2.85M | 6-1-1 |
| 6-20 | EZ304894 | Rotary SW. Assy GXC-750D | CB-9805 |
| 6-21 | ZS608106 | Screw, pan head 2x6 | |
| 6-22 | ES302940 | Micro SW. SS-5GLC | 25-1-46 |
| 6-23 | ZS465298 | Screw, pan head 2.3x10 | |
| 6-24 | ZS460440 | Screw, pan head 2x4 | |
| 6-25 | ML302213 | Detection Lever | CI-1232 |
| 6-26 | ES302448 | Leaf SW. BSW-81 | 25-10-28 |
| 6-27 | ZS537085 | Screw, binding head 2x5 | |
| 6-28 | ML302653 | Lock Lever (B) Part GXC-570D-2 | CI-1244 |
| 6-29 | MR302309 | Roller (1) | CI-1247 |
| 6-30 | ZW391397 | 'E' Ring 1.2M | 6-1-9 |
| 6-31 | ZG580768 | Spoke Spring | TD-2077 |
| 6-32 | ZS421806 | Screw, pan head 3x8 | |
| 6-33 | EP302445 | Plunger Solenoid P-120F | 44-1-90 |
| 6-34 | ZS300626 | Screw, pan head 2x2.5 (Camera Standard) | |
| 6-35 | MH302446 | Spring Pin SPP 2x20 | |
| 6-36 | ZS608321 | Screw, pan head 3x6, W=8 | |
| 6-37 | ZG317114 | Tension Lever Spring | MR-39 |
| 6-38 | ES305231 | Micro SW. AH7450261 | 25-1-48 |
| 6-39 | ZS419670 | Screw, pan head 3x12 | |
| 6-40 | BF302647 | Flywheel (B) Part-G GXC-570D-2 | CI-1255 |
| 6-41 | ZW302401 | Washer (Nylon) | CI-1267 |
| 6-42 | BF302648 | Flywheel (A) Part-G GXC-570D-2 | CI-1253 |
| 6-43 | MB302316 | Capstan Belt | CI-1256 |
| 6-44 | ZS302318 | Holder Screw | CI-1258 |
| 6-45 | ZW303680 | Metal Nut | CI-1273 |
| 6-46 | BA303612 | Noise Filter P.C Board Comp. GXC-750D | CB-9811 |
| 6-47 | ML302402 | Noise Filter Bracket | CI-2210 |

7. P.C BOARDS

(1) PRE AMP P.C BOARD (CB-5201A) BLOCK

| Symbol No. | Parts No. | Description | Schematic No. | Symbol No. | Parts No. | Description | Schematic No. |
|-------------|-----------|--|---------------|------------|-----------|---|---------------|
| (1)-1 | BA304069 | Pre Amp P.C Board Comp. GXC-750D | | (1)-C27 | EC523282 | Solid Aluminum 0.1 μ F(M) 25WV | 24-19-2 |
| (1)-IC1 | EI302623 | IC TA-7139P | 45-8-227 | (1)-C28 | EC604440 | Solid Aluminum 0.33 μ F (M) 25WV | 24-19-2 |
| (1)-IC2,3 | EI301463 | Dolby IC CR-713B | 45-8-225 | (1)-C30 | EC476954 | Elect. 100 μ F 25WV NL | 24-20-4 |
| (1)-IC4 | EI304190 | IC TA-7140P | 45-8-237 | (1)-C31 | EC405898 | Styrol 470PF (J) 50WV | 24-11-3 |
| (1)-TR1 | ET304180 | Transistor 2SA906 (H) | 45-1-280 | (1)-C31 | EC515845 | Styrol 450PF (J) 50WV | 24-11-3 |
| (1)-TR2,3 | ET352146 | Transistor 2SC458LG (D) | 45-1-29 | (1)-C33 | EC304431 | Tantalum (D Type) 22 μ F (M) 6.3WV | 24-15-12 |
| (1)-TR4 | ET539864 | Transistor 2SC1312R (H) | 45-1-133 | (1)-C36 | EC493323 | Elect. 1 μ F 25WV NL | 24-20-4 |
| (1)-TR5 | ET669633 | FET 2SK68A (L) (M) | 45-12-9 | (1)-C46 | EC493323 | Elect. 1 μ F 25WV NL | 24-20-4 |
| (1)-TR6to9 | ET639437 | Transistor 2SC945L (Q) (P) | 45-1-85 | (1)-C48 | EC304186 | NP Elect. 10 μ F (M) 16WV | 24-17-26 |
| (1)-TR10 | ET539864 | Transistor 2SC1312R (H) | 45-1-133 | (1)-C49 | EC523282 | Solid Aluminum 0.1 μ F (M) 25WV | 24-19-2 |
| (1)-TR11 | ET655356 | Transistor 2SD571 (L)(M) | 45-1-218 | (1)-C50 | EC604440 | Solid Aluminum 0.33 μ F (M) 25WV | 24-19-2 |
| (1)-TR12 | ET639437 | Transistor 2SC945L (Q) (P) | 45-1-85 | (1)-C51 | EC450270 | Elect. 1000 μ F 25WV | 24-12-9 |
| (1)-TR13,14 | ET304181 | Transistor 2SC2002 (K) | 45-1-281 | (1)-C53 | EC621257 | Solid Aluminum 0.47 μ F (M) 25WV | 24-19-2 |
| (1)-D1,2 | ED417442 | Germanium Diode 1N34A | 45-3-14 | (1)-C62 | EC515845 | Styrol 450PF (J) 50WV | 24-11-3 |
| (1)-D3,4 | ED304656 | Zener Diode RD-3E (B) | 45-6-72 | (1)-C67 | EC601132 | NP 0.47 μ F (M) 50WV | 24-17-26 |
| (1)-D5to8 | ED560913 | Silicon Diode 1S2473VE | 45-3-23 | (1)-C70 | EC434070 | Styrol 680PF (J) 50WV | 24-11-3 |
| (1)-D9 | ED557111 | Zener Diode WZ-210 | 45-6-67 | (1)-C77 | EC657066 | Solid Aluminum 0.15 μ F (M) 25WV | 24-19-2 |
| (1)-D10to12 | ED560913 | Silicon Diode 1S2473VE | 45-3-23 | (1)-C79 | EC434070 | Styrol 680PF (J) 50WV | 24-11-3 |
| (1)-T1 | EO383365 | OSC Coil OT-204 | 23-4-20 | (1)-C80 | EC392005 | Mylar 0.001 μ F (J) 50WV | 24-1-5 |
| (1)-SW1 | ES303985 | Rotary Slide SW. SRZ-V104S | 25-6-115 | (1)-C82 | EC412593 | Styrol 820PF (J) 50WV | 24-11-3 |
| (1)-SW2to4 | ES303986 | Push SW. SUE-33 | 25-5-265 | (1)-C87 | EC515845 | Styrol 450PF (J) 50WV | 24-11-3 |
| (1)-VR1 | EV520806 | Semi-fixed/Vol. V8K4-1 10k (B) | 36-10-266 | (1)-C104 | EC304220 | Styrol 2200PF (J) 500WV | 24-11-3 |
| (1)-VR2 | EV522797 | Semi-fixed/Vol. V8K4-1 20k (B) | 36-10-266 | (1)-C114 | EC637075 | Styrol 180PF (J) 50WV | 24-11-3 |
| (1)-VR3 | EV303984 | Vol. VM10R 10k (B) | 36-6-32 | | | | |
| (1)-VR4,5 | EV303987 | Double axial 2 throw Vol. DM20R 100k (A)x2 | 36-18-7 | | | | |
| (1)-VR6 | EV269572 | Semi-fixed/Vol. V10K8-4-2 2k (B) | 36-10-250 | | | | |
| (1)-VR7 | EV484863 | Semi-fixed/Vol. V10K8-4-2 1k (B) | 36-10-250 | | | | |
| (1)-VR8 | EV269572 | Semi-fixed/Vol. V10K8-4-2 2k (B) | 36-10-250 | | | | |
| (1)-VR9,10 | EV499882 | Semi-fixed/Vol. V10K8-4-2 300k (B) | 36-10-250 | | | | |
| (1)-VL1 | EO346230 | Inductor RX 22MH | 23-1-15 | | | | |
| (1)-VL2 | EO692741 | Ferri Inductor 33Y-740 | 23-1-254 | | | | |
| (1)-L3 | EO301711 | Coil RX-9P 3.3MH (J) | 23-1-275 | | | | |
| (1)-L4 | EO663748 | Inductor RCP-095 36MH (J) | 23-1-245 | | | | |
| (1)-L5 | EO301711 | Coil RX-9P 3.3MH (J) | 23-1-275 | | | | |
| (1)-FL1,2 | ER300433 | Dolby Filter KM-10D100B | 53-1-115 | | | | |
| (1)-FL3 | ER283105 | Dolby Filter KM-10D19B | 53-1-115 | | | | |
| (1)-2 | ZS422076 | Screw, pan head 3x5 | | | | | |
| (1)-3 | TC303943 | Shield Plate | CB-5209 | | | | |
| (1)-R89 | ER301469 | Metal Oxide Film/R. 2W 390 ohms (J) | 35-15-8 | | | | |
| (1)-R110 | ER304221 | Metal Oxide Film/R. 2W 470 ohms (J) | 35-15-8 | | | | |
| (1)-R111 | ER678576 | Metal Oxide Film/R. 2W 220 ohms (J) | 35-15-8 | | | | |
| (1)-R112 | ER305273 | Cement/R. (Metal Ox. Film/T.) 5W 180 ohms (J) | 35-16-77 | | | | |
| (1)-R113 | ER265048 | Metal Oxide Film/R. 2W 270 ohms (J) | 35-15-8 | | | | |
| (1)-R114 | ER301441 | Metal Oxide Film/R. 2W 330 ohms (J) | 35-15-8 | | | | |
| | | Capacitor, Vertical Type | | | | | |
| (1)-C1 | EC304187 | Elect. 100 μ F 16WV NL | 24-20-4 | | | | |
| (1)-C3 | EC432810 | Elect. 10 μ F 16WV NL | 24-20-4 | | | | |
| (1)-C4 | EC513990 | Styrol 330PF (J) 50WV | 24-11-3 | | | | |
| (1)-C5 | EC304188 | Elect. 100 μ F 10WV NL | 24-20-4 | | | | |
| (1)-C8 | EC604102 | Solid Aluminum 0.33 μ F (K) 25WV | 24-19-2 | | | | |
| (1)-C10 | EC562678 | Styrol 750PF (J) 50WV | 24-11-3 | | | | |
| (1)-C16 | EC412593 | Styrol 820PF (J) 50WV | 24-11-3 | | | | |
| (1)-C26 | EC304186 | NP Elect. 10 μ F (M) 16WV | 24-17-26 | | | | |

When ordering parts, please describe Parts Number, Description, and Model Number in detail.

(2) SYS. CON P.C BOARD (CB-5202) BLOCK

| Symbol No. | Parts No. | Description | Schematic No. | Symbol No. | Parts No. | Description | Schematic No. |
|--------------|-----------|--------------------------------------|---------------|------------|-----------|--|---------------|
| (2)-1 | BA304037 | Sys. Con P.C Board Comp. GXC-750D | | (2)-D66 | ED562397 | Germanium Diode 1S188FM-1 | 45-3-25 |
| (2)-IC1to3 | EI304657 | IC TC-4011P | 45-8-232 | (2)-D67,68 | ED560913 | Silicon Diode 1S2473VE | 45-3-23 |
| (2)-IC4 | EI304165 | IC MB400/7400 | 45-8-252 | (2)-D69 | ED562397 | Germanium Diode 1S188FM-1 | 45-3-25 |
| (2)-IC5 | EI304657 | IC TC-4011P | 45-8-232 | (2)-D70,71 | ED560913 | Silicon Diode 1S2473VE | 45-3-23 |
| (2)-TR1 | ET563905 | Transistor 2SC711(G)(H) | 45-1-67 | (2)-D72 | ED562397 | Germanium Diode 1S188FM-1 | 45-3-25 |
| (2)-TR2 | ET635220 | Transistor 2SC945L (K)(P) | 45-1-85 | (2)-D73 | ED560913 | Silicon Diode 1S2473VE | 45-3-23 |
| (2)-TR3,4 | ET563905 | Transistor 2SC711(G)(H) | 45-1-67 | (2)-D74 | ED562397 | Germanium Diode 1S188FM-1 | 45-3-25 |
| (2)-TR5 | ET429748 | Transistor 2SC711(H) | 45-1-67 | (2)-D75 | ED560913 | Silicon Diode 1S2473VE | 45-3-23 |
| (2)-TR6 | ET666415 | Transistor 2SB605(K)(L) | 45-1-225 | (2)-D76 | ED562397 | Germanium Diode 1S188FM-1 | 45-3-25 |
| (2)-TR7 | ET302300 | Transistor 2SD355 (D2)(E1) | 45-1-269 | (2)-D77 | ED624903 | Silicon Diode 1S2473 | 45-3-28 |
| (2)-TR8 | ET563905 | Transistor 2SC711(G)(H) | 45-1-67 | (2)-D78,79 | ED560913 | Silicon Diode 1S2473VE | 45-3-23 |
| (2)-TR9 | ET361923 | Transistor 2SC536(E) | 45-1-55 | (2)-D80 | ED562397 | Germanium Diode 1S188FM-1 | 45-3-25 |
| (2)-TR10 | ET666415 | Transistor 2SB605(K)(L) | 45-1-225 | (2)-2 | ZS379350 | Screw, pan head 3x6 | |
| (2)-TR11 | ET563905 | Transistor 2SC711(G)(H) | 45-1-67 | (2)-3 | ZW516611 | Nut M3 | |
| (2)-TR12 | ET304167 | Transistor 2SD439(F) | 45-1-282 | (2)-4 | ZS325495 | Tapping Screw #2, 3x6 (BR) | |
| (2)-TR13,14 | ET302300 | Transistor 2SD355 (D2)(E1) | 45-1-269 | (2)-5 | ZS447840 | Tapping Screw #2, 3x8 (BR) | |
| (2)-TR15to18 | ET563905 | Transistor 2SC711(G)(H) | 45-1-67 | (2)-6 | ZW273802 | Toothed Lock Washer, M3 | |
| (2)-TR19 | ET399870 | Transistor 2SC711(G) | 45-1-67 | (2)-7 | EJ304317 | Mini. Connector, 3021-14 | 31-1-176 |
| (2)-TR20 | ET563905 | Transistor 2SC711(G)(H) | 45-1-67 | (2)-8 | EJ281057 | Mini. Connector Terminal 2759-PBT2 | 32-1-77 |
| (2)-TR21,22 | ET621268 | Transistor 2SC711 (F)(G)(H) | 45-1-67 | (2)-R24 | ER265004 | Metal Oxide Film/R. 2W 270 ohms (J) | 35-15-18 |
| (2)-TR23 | ET398777 | Transistor 2SC711(G)(F) | 45-1-67 | (2)-R25 | ER301441 | Metal Oxide Film/R. 2W 330 ohms (J) | 35-15-8 |
| (2)-TR24 | ET563905 | Transistor 2SC711(G)(H) | 45-1-67 | (2)-R26 | ER624756 | Metal Oxide Film/R. 2W 330 ohms (J) | 35-15-18 |
| (2)-TR25 | ET242684 | Transistor 2SC1312S(H) | 45-1-182 | (2)-R901 | ER304852 | Cement/R. H10A 43 ohms (K) | 35-16-22 |
| (2)-TR26 | ET399870 | Transistor 2SC711(G) | 45-1-67 | | | Capacitor, Vertical Type | |
| (2)-TR27 | ET429748 | Transistor 2SC711(H) | 45-1-67 | (2)-C8 | EC604440 | Solid Aluminum 0.33μF (M) 25WV | 24-19-2 |
| (2)-TR28,29 | ET399870 | Transistor 2SC711(G) | 45-1-67 | (2)-C9 | EC662308 | Solid Aluminum 0.15μF (K) 25WV | 24-19-2 |
| (2)-TR30to36 | ET563905 | Transistor 2SC711(G)(H) | 45-1-67 | (2)-C10 | EC621257 | Solid Aluminum 0.47μF (M) 25WV | 24-19-2 |
| (2)-D1,2 | ED562397 | Germanium Diode 1S188FM-1 | 45-3-25 | (2)-C20 | EC522167 | Solid Aluminum 0.22μF (M) 25WV | 24-19-2 |
| (2)-D3 | ED560913 | Silicon Diode 1S2473VE | 45-3-23 | (2)-C21 | EC621257 | Solid Aluminum 0.47μF (M) 25WV | 24-19-2 |
| (2)-D4,5 | ED624903 | Silicon Diode 1S2473 | 45-3-28 | (2)-C25 | EC523282 | Solid Aluminum 0.1μF (M) 25WV | 24-19-2 |
| (2)-D6 | ED560913 | Silicon Diode 1S2473VE | 45-3-23 | (2)-C28 | EC662308 | Solid Aluminum 0.15μF (K) 25WV | 24-19-2 |
| (2)-D7 | ED624903 | Silicon Diode 1S2473 | 45-3-28 | (2)-C33,34 | EC304252 | NP Elect. 47μF (M) 6.3WV | 24-17-26 |
| (2)-D8 | ED562397 | Germanium Diode 1S188FM-1 | 45-3-25 | | | | |
| (2)-D9 | ED624903 | Silicon Diode 1S2473 | 45-3-28 | | | | |
| (2)-D10to19 | ED560913 | Silicon Diode 1S2473VE | 45-3-23 | | | | |
| (2)-D20 | ED304246 | Zener Diode RD-16E (B)(C) | 45-6-72 | | | | |
| (2)-D21 to23 | ED560913 | Silicon Diode 1S2473VE | 45-3-23 | | | | |
| (2)-D24 to28 | ED624903 | Silicon Diode 1S2473 | 45-3-28 | | | | |
| (2)-D29 | ED560913 | Silicon Diode 1S2473VE | 45-3-23 | | | | |
| (2)-D30,31 | ED624903 | Silicon Diode 1S2473 | 45-3-28 | | | | |
| (2)-D33,34 | ED560913 | Silicon Diode 1S2473VE | 45-3-23 | | | | |
| (2)-D35,36 | ED624903 | Silicon Diode 1S2473 | 45-3-28 | | | | |
| (2)-D37 | ED562397 | Germanium Diode 1S188FM-1 | 45-3-25 | | | | |
| (2)-D38 | ED624903 | Silicon Diode 1S2473 | 45-3-28 | | | | |
| (2)-D39to46 | ED560913 | Silicon Diode 1S2473VE | 45-3-23 | | | | |
| (2)-D47 | ED562397 | Germanium Diode 1S188FM-1 | 45-3-25 | | | | |
| (2)-D48 | ED560913 | Silicon Diode 1S2473VE | 45-3-23 | | | | |
| (2)-D49 | ED562397 | Germanium Diode 1S188FM-1 | 45-3-25 | | | | |
| (2)-D50 | ED560913 | Silicon Diode 1S2473VE | 45-3-23 | | | | |
| (2)-D51 | ED562397 | Germanium Diode 1S188FM-1 | 45-3-25 | | | | |
| (2)-D52 | ED560913 | Silicon Diode 1S2473VE | 45-3-23 | | | | |
| (2)-D53,54 | ED562397 | Germanium Diode 1S188FM-1 | 45-3-25 | | | | |
| (2)-D55 | ED560913 | Silicon Diode 1S2473VE | 45-3-23 | | | | |
| (2)-D56,57 | ED624903 | Silicon Diode 1S2473 | 45-3-28 | | | | |
| (2)-D58 | ED560913 | Silicon Diode 1S2473VE | 45-3-23 | | | | |
| (2)-D60,61 | ED560913 | Silicon Diode 1S2473VE | 45-3-23 | | | | |
| (2)-D62 | ED562397 | Germanium Diode 1S188FM-1 | 45-3-25 | | | | |
| (2)-D63 | ED560913 | Silicon Diode 1S2473VE | 45-3-23 | | | | |
| (2)-D64 | ED562397 | Germanium Diode 1S188FM-1 | 45-3-25 | | | | |
| (2)-D65 | ED560913 | Silicon Diode 1S2473VE | 45-3-23 | | | | |

When ordering parts, please describe Parts Number, Description, and Model Number in detail.

**(3) POWER SUPPLY P.C BOARD (CB-5203)
BLOCK**

| Symbol No. | Parts No. | Description | Schematic No. |
|------------|-----------|---|---------------|
| (3)-1 | BA304034 | Power Supply P.C Board Comp. GXC-750D (U/T) (CEE, BEAB) | CB-9854 |
| (3)-2 | BA304035 | Power Supply P.C Board Comp. GXC-750D (JPN) (SAA, CSA, AAL) | CB-9854 |
| (3)-IC1 | EI304173 | IC μ A78M05CKC | 45-8-245 |
| (3)-IC2,3 | EI304174 | IC μ A7824CKC | 45-8-231 |
| (3)-TR1 | ET666415 | Transistor 2SB605 (K)(L) | 45-1-225 |
| (3)-TR2 | ET554657 | Transistor 2SA733 (P)(Q) | 45-1-124 |
| (3)-TR3 | ET563905 | Transistor 2SC711 (G)(H) | 45-1-67 |
| (3)-TR4 | ET554657 | Transistor 2SA733 (P)(Q) | 45-1-124 |
| (3)-TR5 | ET304167 | Transistor 2SD439 (F) | 45-1-282 |
| (3)-TR6 | ET563905 | Transistor 2SC711 (G)(H) | 45-1-67 |
| (3)-TR7 | ET554657 | Transistor 2SA733 (P)(Q) | 45-1-124 |
| (3)-D1 | ED249581 | Silicon Diode SIQB20 0.6A 200V (RED) | 45-2-74 |
| (3)-D2 | ED304658 | Silicon Diode SIRBA20 200V (RED) | 45-2-76 |
| (3)-D3 | ED249581 | Silicon Diode SIQB20 0.6A 200V (RED) | 45-2-74 |
| (3)-D4 | ED224526 | Silicon Diode 10D1 | 45-2-11 |
| (3)-D5,6 | ED560913 | Silicon Diode 1S2473VE | 45-3-23 |
| (3)-D7 | ED219464 | Germanium Diode 1N34A | 45-3-1 |
| (3)-D8 | ED304247 | Zener Diode RD-13E(B)(C) | 45-6-72 |
| (3)-D9 | ED560913 | Silicon Diode 1S2473VE | 45-3-23 |
| (3)-D10 | ED219464 | Germanium Diode 1N34A | 45-3-1 |
| (3)-D11,12 | ED560913 | Silicon Diode 1S2473VE | 45-3-23 |
| (3)-3 | ZS422076 | Screw, pan head 3x5 | |
| (3)-4 | ZS421806 | Screw, pan head 3x8 | |
| (3)-5 | ZS379350 | Screw, pan head 3x6 | |
| (3)-R4 | ER304175 | Metal Oxide Film/R. 2W 150 ohms (J) | 35-15-18 |
| (3)-R11 | ER304176 | Carbon/R. (Insu. Type) (F) 1/4W 2.2 ohms (J) | 35-11-12 |
| | | Capacitor, Vertical Type | |
| (3)-C2 | EC565345 | Elect. 1000 μ F 50WV | 24-12-9 |
| (3)-C4 | EC565345 | Elect. 1000 μ F 50WV | 24-12-9 |
| (3)-C5,6 | EC657966 | Elect. 2200 μ F 25WV | 24-12-9 |
| (3)-C7 | EC321186 | Elect. 1000 μ F 6.3WV | 24-12-9 |

**(4) NOISE FILTER P.C BOARD (CB-5204)
BLOCK**

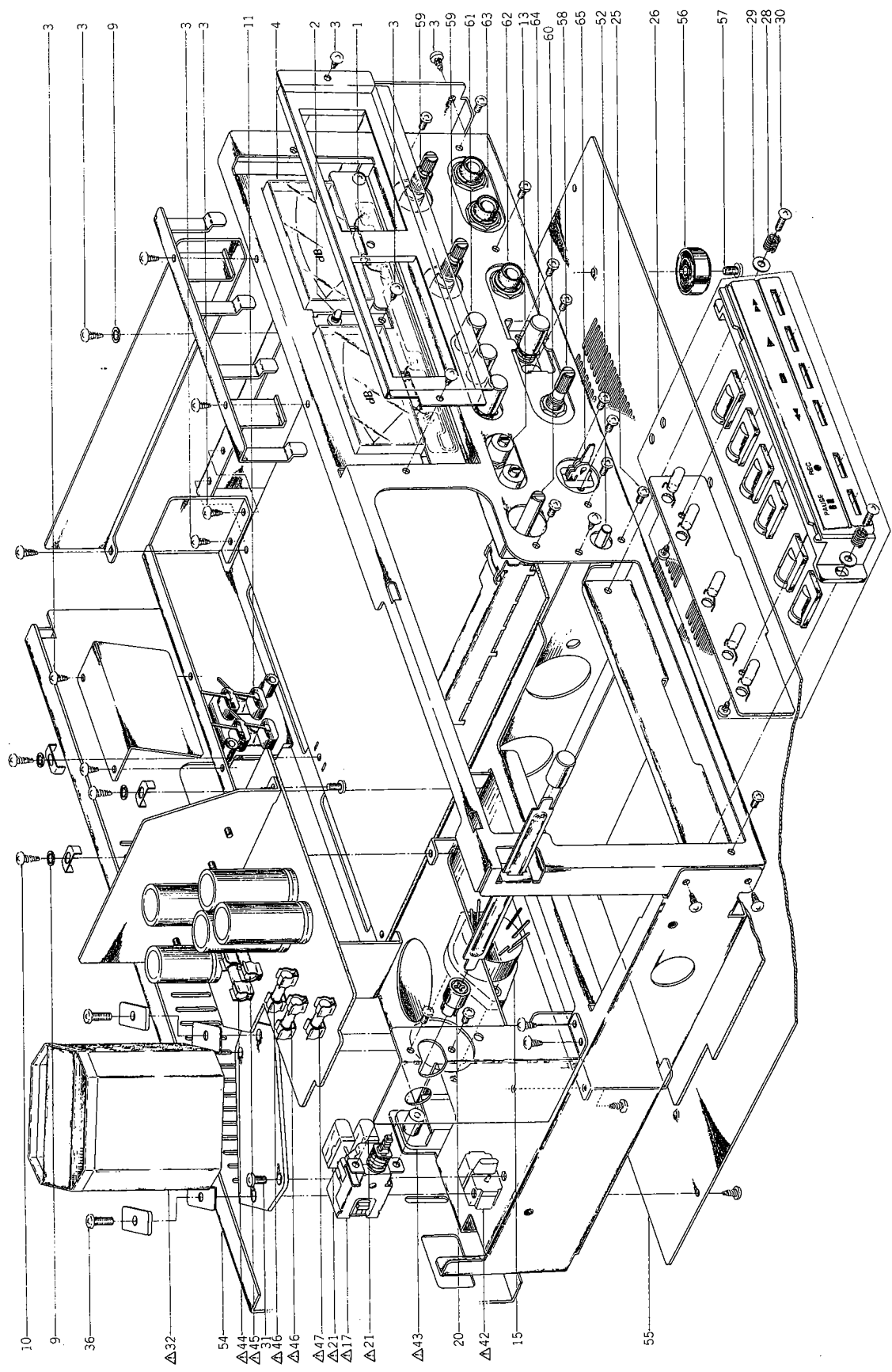
| Symbol No. | Parts No. | Description | Schematic No. |
|------------|-----------|-----------------------------|---------------|
| (4)-L1 to4 | EO669273 | Inductor FL5R-200 | 23-1-248 |
| (4)-1 | ZS608321 | Screw, pan head 3x6, W=8 | |

When ordering parts, please describe Parts Number, Description, and Model Number in detail.

(5) METER AMP P.C BOARD (CB-5207)**BLOCK**

| Symbol No. | Parts No. | Description | Schematic No. |
|--------------|-----------|---|---------------|
| (5)-1 | BA304036 | Meter Amp P.C Board Comp. GXC-750D | CB-9853 |
| (5)-IC1 | EI669666 | IC μ PC1023H | 45-8-164 |
| (5)-TR1 to 3 | ET638504 | Transistor 2SC945L(P) | 45-1-85 |
| (5)-TR4 | ET302538 | Transistor 2SD355(E1) | 45-1-269 |
| (5)-TR5 | ET302540 | Transistor 2SB525(E1) | 45-1-270 |
| (5)-TR6 | ET638504 | Transistor 2SC945L(P) | 45-1-85 |
| (5)-TR7,8 | ET539864 | Transistor 2SC1312R(H) | 45-1-133 |
| (5)-TR9 | ET669633 | FET 2SK68A(L)(M) | 45-12-9 |
| (5)-TR10 | ET638504 | Transistor 2SC945L(P) | 45-1-85 |
| (5)-D1 to 6 | ED560913 | Silicon Diode 1S2473VE | 45-3-23 |
| (5)-D7 | ED305239 | Zener Diode WZ-1 82 | 45-6-67 |
| (5)-J1 | EJ304018 | Headphone Jack HLJ0213-01-2 | 31-2-84 |
| (5)-J2,3 | EJ304019 | Mic. Jack HLJ0264-01-030 | 31-2-85 |
| (5)-SW1 | ES303981 | Push SW. SUE-12 | 25-5-266 |
| (5)-SW2 | ES691424 | Lever SW. SLK04251 | 25-12-26 |
| (5)-VR1,2 | EV464220 | Semi-fixed/Vol. V8K4-1 50k(B) | 36-10-266 |
| (5)-VR3 | EV303982 | Vol. CM70R 10k(B)x2 | 36-22-34 |
| (5)-2 | ZS422076 | Screw, pan head 3x5 | |
| (5)-C2 | EC572793 | Styrol/C. (Vert. Type) 250PF(J) 50WV | 24-11-3 |
| (5)-C5 | EC621257 | Solid Aluminum/C. (Vert. Type) 0.47 μ F(M) 25WV | 24-19-2 |
| (5)-C15 | EC523282 | Solid Aluminum/C. (Vert. Type) 0.1 μ F(M) 25WV | 24-19-2 |

8. ILLUSTRATION OF AMP ASSEMBLY BLOCK

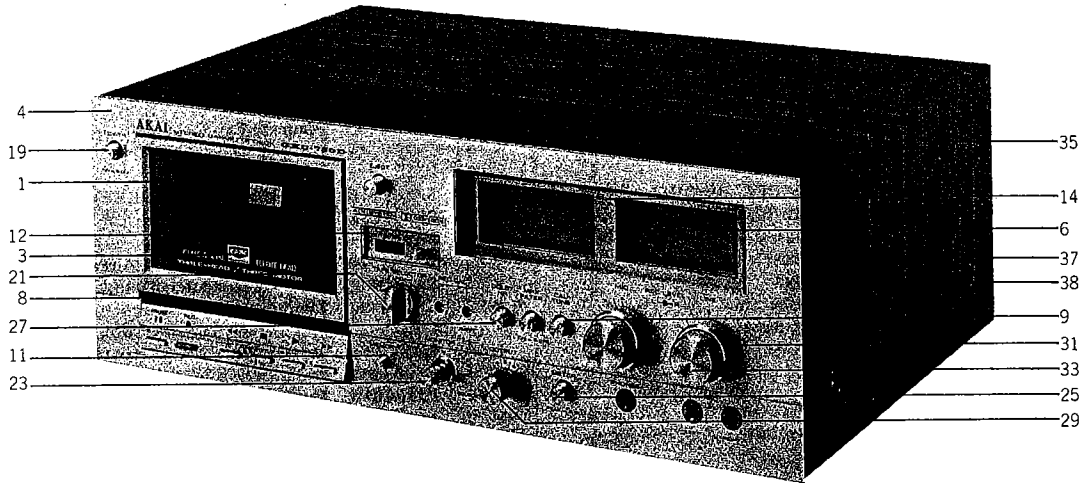


8) AMP ASSEMBLY BLOCK

| Ref. No. | Parts No. | Description | Schematic No. | Ref. No. | Parts No. | Description | Schematic No. |
|-----------------------------------|-----------|---|---------------|-----------------------|-----------|--|---------------|
| LAMP P.C BOARD BLOCK | | | | ASSEMBLY BLOCK | | | |
| 8-1 | EL304025 | Lamp (No. 2) 10V 110mA | 28-2-66 | 8-50x | EF511637 | △ Fuse ULMF61M 250V 1A (CSA, AAL) | 39-1-45 |
| DOLBY LAMP P.C BOARD BLOCK | | | | 8-51x | EF511637 | △ Fuse ULMF61M 250V 1A (CSA, AAL) | 39-1-45 |
| 8-2 | ED283138 | LED GL-3PG1 | 45-15-15 | ASSEMBLY BLOCK | | | |
| FRONT CHASSIS BLOCK | | | | 8-52 | SK301153 | Memory Cap (C) | CA-6010 |
| 8-3 | ZS325495 | Tapping Screw #2, 3x6 (BR) | | 8-53x | SK305448 | Memory Cap (D) (BL) | CA-6010 |
| 8-4 | EM303428 | VU Meter KL-250L-11 (SAA, U/T, CSA, AAL, CEE, BEAB) | 46-1-169 | 8-54 | SP303968 | Rear Panel (E) (U/T, CEE) | CB-6211 |
| 8-5x | EM302355 | VU Meter KL-250L-12 (JPN) | 46-1-172 | 8-55 | SP303961 | Bottom Plate | CB-6207 |
| 8-6x | EM305451 | VU Meter (B) KL-250L-14 (BL) | 46-1-191 | 8-56 | SA301770 | Tran Leg (J) | 2-6-18 |
| 8-7 | ZS421806 | Screw, pan head 3x8 | | 8-57 | ZS304022 | Tapping Screw #3, 4x6 (Pan) | |
| 8-8 | ZS422076 | Screw, pan head 3x5 | | 8-58 | EV303984 | Vol. VM10R 10k (B) | 36-6-32 |
| 8-9 | ZW273802 | Toothed Lock Washer, M3 | | 8-59 | EV303987 | Double axial 2 throw Vol. DM20R 100k(A)x2 | 36-18-7 |
| 8-10 | ZS447840 | Tapping Screw #2, 3x8 (BR) | | 8-60 | ES303985 | Rotary Slide SW. SRZ-V104S | 25-6-115 |
| 8-11 | EJ300507 | 4P Pin Jack (B) T-5500-B | 31-5-139 | 8-61 | ES303986 | Push SW. SUE-33 | 25-5-265 |
| 8-12x | ZS463353 | Tapping Screw #2, 3x8 (BR) (BLACK) | | 8-62 | EJ304018 | Headphone Jack HLJ0213-01-2 | 31-2-84 |
| 8-13 | SK304023 | REC. CAL Knob | CB-6205 | 8-63 | EJ304019 | Mic. Jack HLJ0264-01-030 | 31-2-85 |
| 8-14x | SK305450 | REC. CAL Knob (B) (BL) | CB-6205 | 8-64 | ES303981 | Push SW. SUE-12 | 25-5-266 |
| POWER CHASSIS BLOCK | | | | 8-65 | ES691424 | Lever SW. SLK04251 | 25-12-26 |
| 8-15 | EJ304024 | Socket, Remo. Con UC-0016 | 31-1-204 | | | | |
| 8-16x | ZS355522 | Screw, pan head 3x6 (BLACK) | | | | | |
| 8-17 | ES665807 | △ Push SW. SDG-5P 5A/80A 250V (U/T, CEE, BEAB) | 25-5-182 | | | | |
| 8-18x | ES293703 | △ Push SW. SDV1P TV-5 (w/o label) (JPN, SAA, CSA) | 25-5-254 | | | | |
| 8-19x | ES280258 | △ Push SW. SDV1P TV-5 (w/label) (AAL) | 25-5-243 | | | | |
| 8-20 | TC289484 | SW. Joint | CM-6015 | | | | |
| 8-21 | EC283375 | △ MP/C. PME271M547 0.047μF 250WV (U/T) | 24-9-118 | | | | |
| 8-22x | EC551160 | △ Ceramic/C. DB821 NA 0.01μF(Z) 1.4kV (JPN, SAA) | 24-5-55 | | | | |
| 8-23x | EC286198 | △ Ceramic/C. AL-10 0.01μF(Z) 125WV (CSA, AAL) | 24-5-69 | | | | |
| 8-24x | ES517410 | Push SW. SPJ-10101 | 25-5-76 | | | | |
| 8-25 | ZS460440 | Screw, pan head 2x4 | | | | | |
| 8-26 | BK304157 | Operate Button Block Comp. | 25-5-267 | | | | |
| 8-27x | BK305447 | Operate Button Block Comp. (B) (BL) | 25-5-280 | | | | |
| 8-28 | ZG580533 | Clamp Spring | TD-2046 | | | | |
| 8-29 | ZW550642 | Washer (SPC) D3.1x8x0.5t | | | | | |
| 8-30 | ZS201060 | Screw, truss head 3x12 (Black) | | | | | |
| 8-31 | ZS304022 | S-tight Screw, 4x6 (Pan) | | | | | |
| 8-32 | BT303989 | △ Power Trans. CBT-35 (U/T, CEE) | 38-4-534 | | | | |
| 8-33x | BT302631 | △ Power Trans. CBT-32 (JPN) | 38-4-528 | | | | |
| 8-34x | BT302633 | △ Power Trans. CBT-34 (CSA, AAL) | 38-4-532 | | | | |
| 8-35x | BT303988 | △ Power Trans. CBT-31 (SAA) | 38-4-526 | | | | |
| 8-36 | ZS301576 | S-tight Screw, 4x10 (Pan) | | | | | |
| 8-37x | EZ631945 | Strain Relief SR-4N-4 (JPN, CSA, AAL) | 2-7-49 | | | | |
| 8-38x | EZ246936 | Strain Relief SR-6W-1 (SAA) | 2-7-8 | | | | |
| 8-39x | EW524845 | △ AC Cord 2.5M (JPN) | 26-3-31 | | | | |
| 8-40x | EW207742 | △ AC Cord CUL (CSA, AAL) | 26-3-45 | | | | |
| 8-41x | EW699827 | △ AC Cord SAA VM-0118 (SAA) | 26-3-39 | | | | |
| 8-42 | EJ301513 | △ 2P Inlet (U/T, CEE) | 31-1-200 | | | | |
| 8-43 | ES301510 | △ Slide SW. (B) (U/T, CEE) | 25-3-143 | | | | |
| 8-44 | EF258344 | △ Fuse (SEMKO T Type) 800 mA (U/T, CEE) | 39-1-53 | | | | |
| 8-45 | EF593706 | △ Fuse (SEMKO T Type) 500 mA (U/T, CEE) | 39-1-53 | | | | |
| 8-46 | EF668474 | △ Fuse (SEMKO T Type) 400 mA (U/T, CEE) | 39-1-53 | | | | |
| 8-47 | EF623103 | △ Fuse (SEMKO T Type) 1AT (U/T, CEE) | 39-1-53 | | | | |
| 8-48x | EF563681 | △ Fuse 1A 250V (JPN, SAA) | 39-1-50 | | | | |
| 8-49x | EF563681 | △ Fuse 1A 250V (JPN, SAA) | 39-1-50 | | | | |

When ordering parts, please describe Parts Number, Description, and Model Number in detail.

9. PHOTO OF FINAL ASSEMBLY BLOCK



9) FINAL ASSEMBLY BLOCK

| Ref. No. | Parts No. | Description | Schematic No. | Ref. No. | Part No. | Description | Schematic No. |
|-----------------------------|-----------|--|---------------|----------|----------|---------------------------------------|---------------|
| LID PANEL BLOCK | | | | | | | |
| 9-1 | BD303610 | Lid Panel Block Comp. GXC-750D | CB-9810 | 9-20x | SB305160 | Push Button (C) GXC-709D-BL | CM-6060 |
| 9-2x | BD305964 | Lid Panel Block Comp. GXC-750D-BL | CB-9810 | 9-21 | SK303064 | Selector Knob (A), w/screw | CM-6053 |
| 9-3 | SM518310 | Name Plate (GX) (B) | CG-6411 | 9-22x | SK303065 | Selector Knob (B), w/screw (BL) | CM-6053 |
| FRONT PANEL BLOCK | | | | | | | |
| 9-4 | BD303496 | Front Panel Block Comp. GXC-750D | | 9-23 | ES691323 | Tape SW. (1) GXC-570D | CI-6028 |
| 9-5x | BD305342 | Front Panel Block Comp. GXC-750D-BL | | 9-24x | ES228960 | Tape SW. (1-A) TV (BL) | CI-6028 |
| 9-6 | SZ303956 | Meter Cover | CB-6214 | 9-25 | SK300102 | Push Button Knob (L) CM-2 | 91-5051 |
| 9-7x | ZS455207 | Tapping Screw #2, 3x5 (BR) | | 9-26x | SK305457 | Push Button Knob (P) CM-2 (BL) | 91-5051 |
| 9-8 | SE303959 | Escutcheon | CB-6203 | 9-27 | SK303166 | Push Button (B) Comp. GXC-709D | CM-6060 |
| 9-9 | SE303945 | Button Escutcheon | CB-6204 | 9-28x | SB304083 | Push Button (D) GXC-709D-BL | CM-6060 |
| 9-10x | SE305438 | Button Escutcheon (B) (BL) | CB-6204 | 9-29 | SK303940 | Vol. Knob GXC-750D | CB-6217 |
| 9-11 | SE286885 | SW. Escutcheon (B) | CM-6016 | 9-30x | SK305444 | Vol. Knob (B) GXC-750D-BL | CB-6217 |
| 9-12 | SE303938 | Counter Escutcheon | CB-6213 | 9-31 | SK303098 | Double Knob (Lower) (A) | CM-6055 |
| 9-13x | SE305439 | Counter Escutcheon (B) (BL) | CB-6213 | 9-32x | SK303097 | Double Knob (Lower) (B) (BL) | CM-6055 |
| FINAL ASSEMBLY BLOCK | | | | | | | |
| 9-14 | TC303955 | Meter Escutcheon | CB-2209 | 9-33 | SK303094 | Double Knob (Upper) (A) | CM-6054 |
| 9-15x | TC305449 | Meter Escutcheon (B) (BL) | CB-2209 | 9-34x | SK303093 | Double Knob (Upper) (B) (BL) | CM-6054 |
| 9-16x | ZS325495 | Tapping Screw #2, 3x6 (BR) | | 9-35 | BC303960 | Wood Frame | CB-6212 |
| 9-17x | ZW306185 | Adjust. Washer (U) D4x13x0.8t | | 9-36x | BC305452 | Wood Frame (B) (BL) | CB-6212 |
| 9-18x | ZS447840 | Tapping Screw #2, 3x8 (BR) | | 9-37 | ZW548010 | Spot Facing Washer | MU-6028 |
| 9-19 | SK303165 | Push Button (A) GXC-709D | CM-6060 | 9-38 | ZS304021 | S-tight Screw, 4x12 (Bind) | |
| | | | | 9-39x | SP303968 | Rear Panel (E) (U/T, CEE) | CB-6211 |
| | | | | 9-40x | SP303964 | Rear Panel (A) (JPN) | CB-6209 |
| | | | | 9-41x | SP303966 | Rear Panel (C) (CSA) | CB-6210 |
| | | | | 9-42x | SP303967 | Rear Panel (D) (AAL) | CB-6210 |
| | | | | 9-43x | SP303965 | Rear Panel (B) (SAA) | CB-6209 |
| | | | | 9-44x | ZS447761 | Tapping Screw #2, 3x6 (BR) (Black) | |
| | | | | 9-45x | EW302899 | Cord Set U/T Type 2 (U/T) | 26-3-60 |

When ordering parts, please describe Parts Number, Description, and Model Number in detail.

10. LIST OF INTERCHANGEABLE SEMICONDUCTORS

If, while servicing, the original parts cannot be obtained, the interchangeable parts listed below can be substituted.

| Original Parts | | | Interchangeable Parts | |
|--------------------|----------------------|--|---------------------------------------|----------------------------------|
| Description | Parts No. | Utilizing P.C Board | Description | Parts No. |
| 2SA733 (P) (Q) | ET554657 | CB-5203 | 2SA564 (Q) (R) | ET538154 |
| 2A906 (H) | ET304180 | CB-5201A | | |
| 2SB525 (E1) | ET302540 | CB-5207 | | |
| 2SB605 (K) (L) | ET666415 | CB-5202 CB-5203 | | |
| 2SC458LG (D) | ET352146 | CB-5201A | 2SC693U (F) (G) 2SC1312S (G) (H) | ET429647 ET603257 |
| 2SC536 (E) | ET361923 | CB-5202 | 2SC945L (K) (P) (Q) (R) | ET635218 |
| 2SC711 (G) | ET399870 | CB-5202 | 2SC536 (G) (H) 2SC1647 (S) (E) (U) | ET403391 ET601312 |
| 2SC711 (G) (H) | ET563905 | CB-5203 | | |
| 2SC711 (G) (F) | ET398777 | CB-5202 | | |
| 2SC711 (F) (G) (H) | ET621268 | CB-5202 | | |
| 2SC711 (H) | ET429748 | CB-5202 | 2SC1344 (E) 2SC1647 (E) (U) | ET539853 ET619762 |
| 2SC945L (P) | ET638504 | CB-5207 | 2SC711 (E) (F) (G) (H) | ET619727 |
| 2SC945L (K) (P) | ET635220 | CB-5202 | 2SC1641 (R) (S) | ET621224 |
| 2SC945L (Q) (P) | ET639437 | CB-5201A | 2SC536 (F) (G) (H) | ET632215 |
| 2SC1312R (H) | ET539864 | CB-5207 CB-5201A | 2SC458LG (C) (D) | ET391768 |
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| RD-16E (B) (C) | ED304246 | CB-5202 | | |
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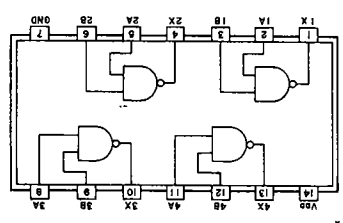
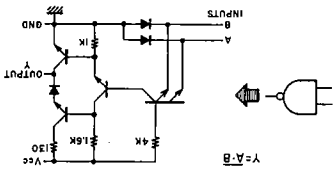
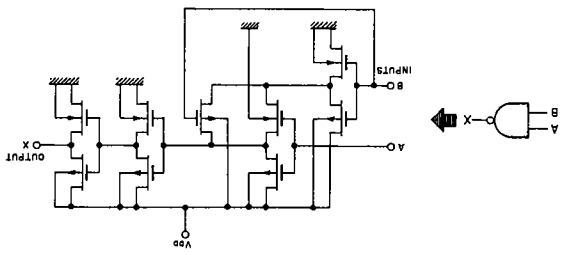
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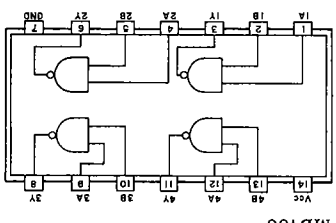
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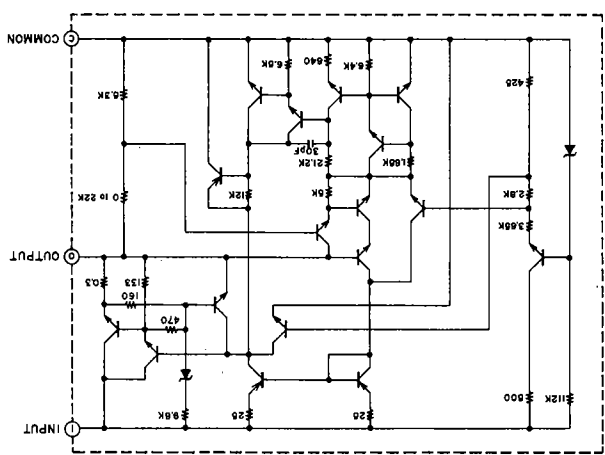




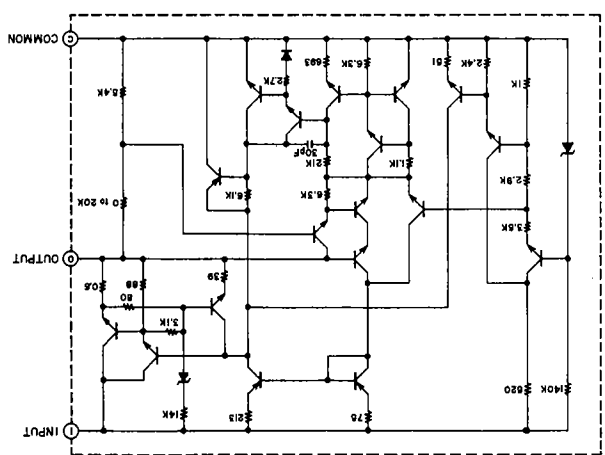
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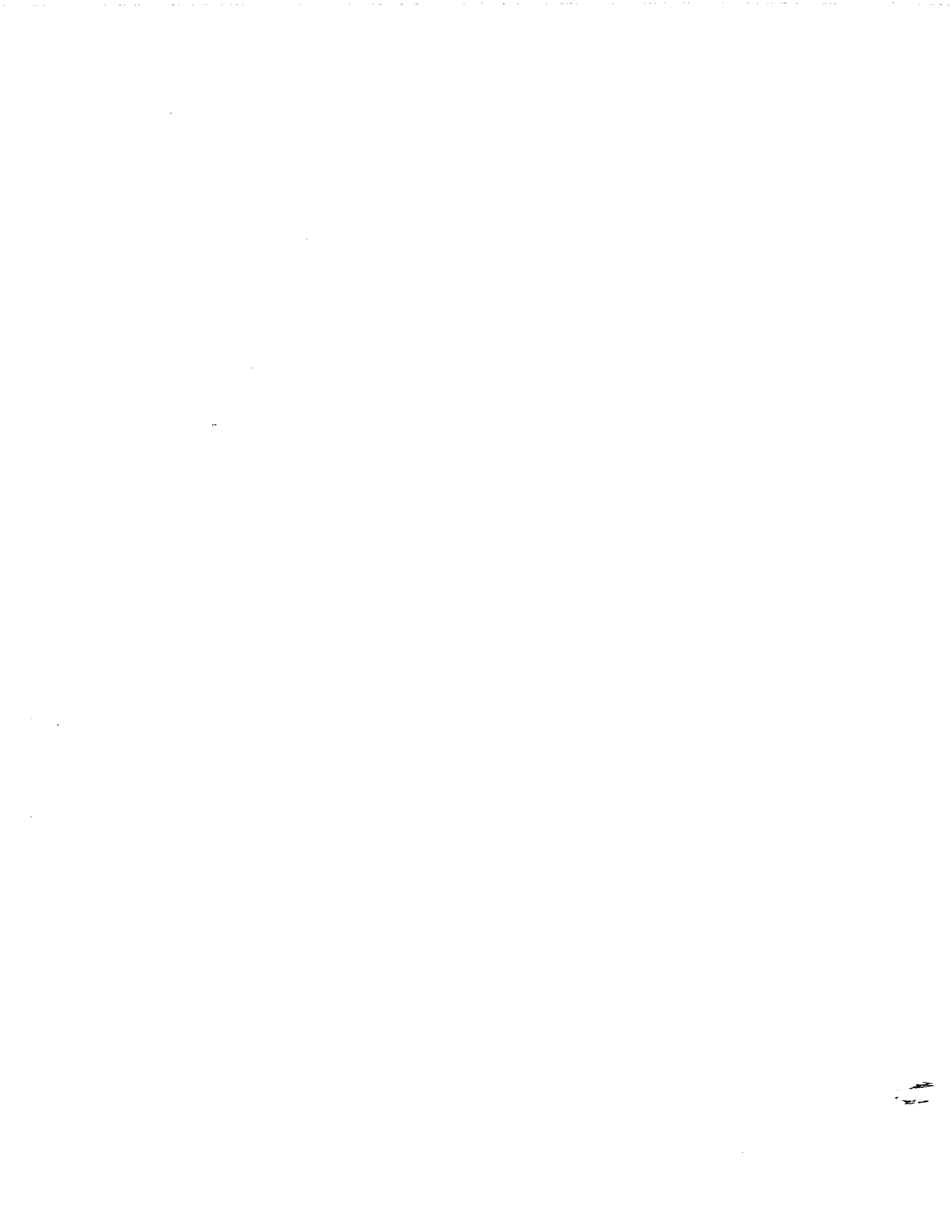
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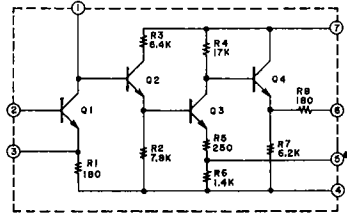


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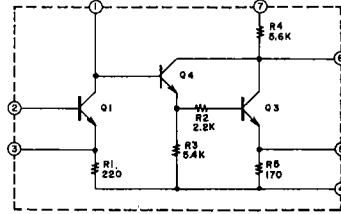




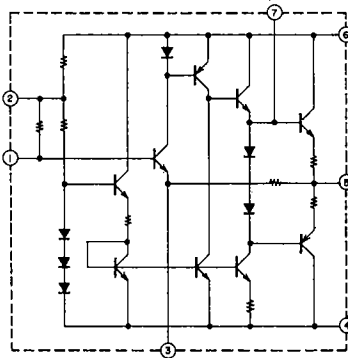
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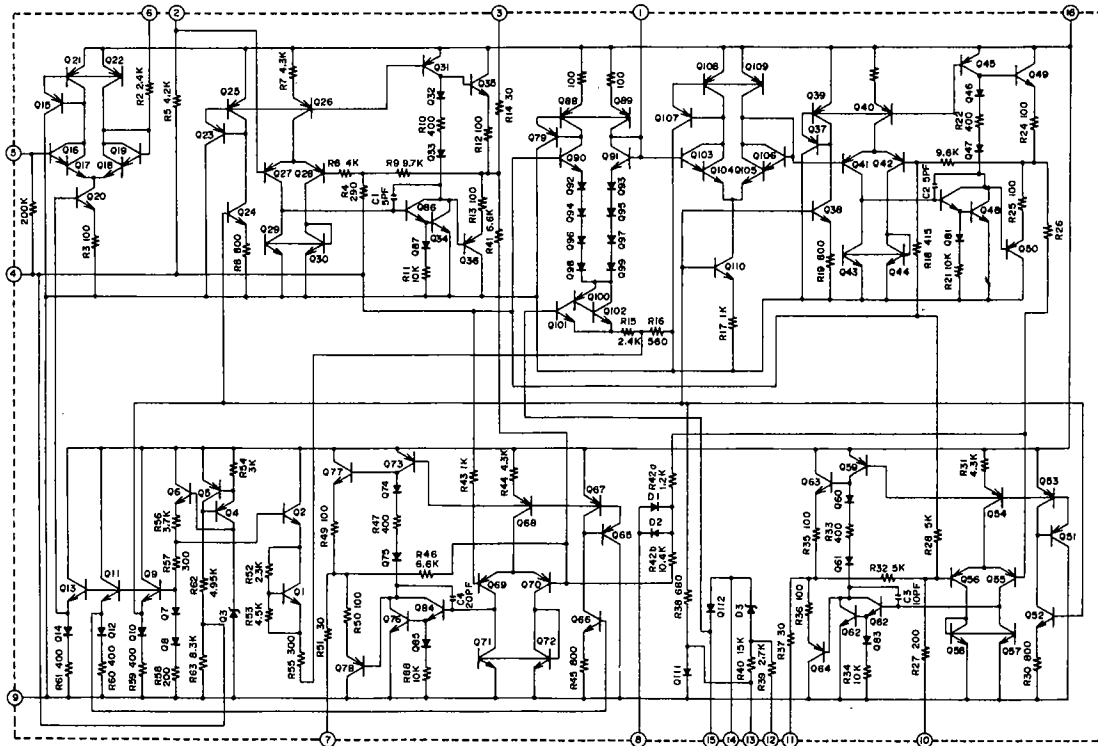
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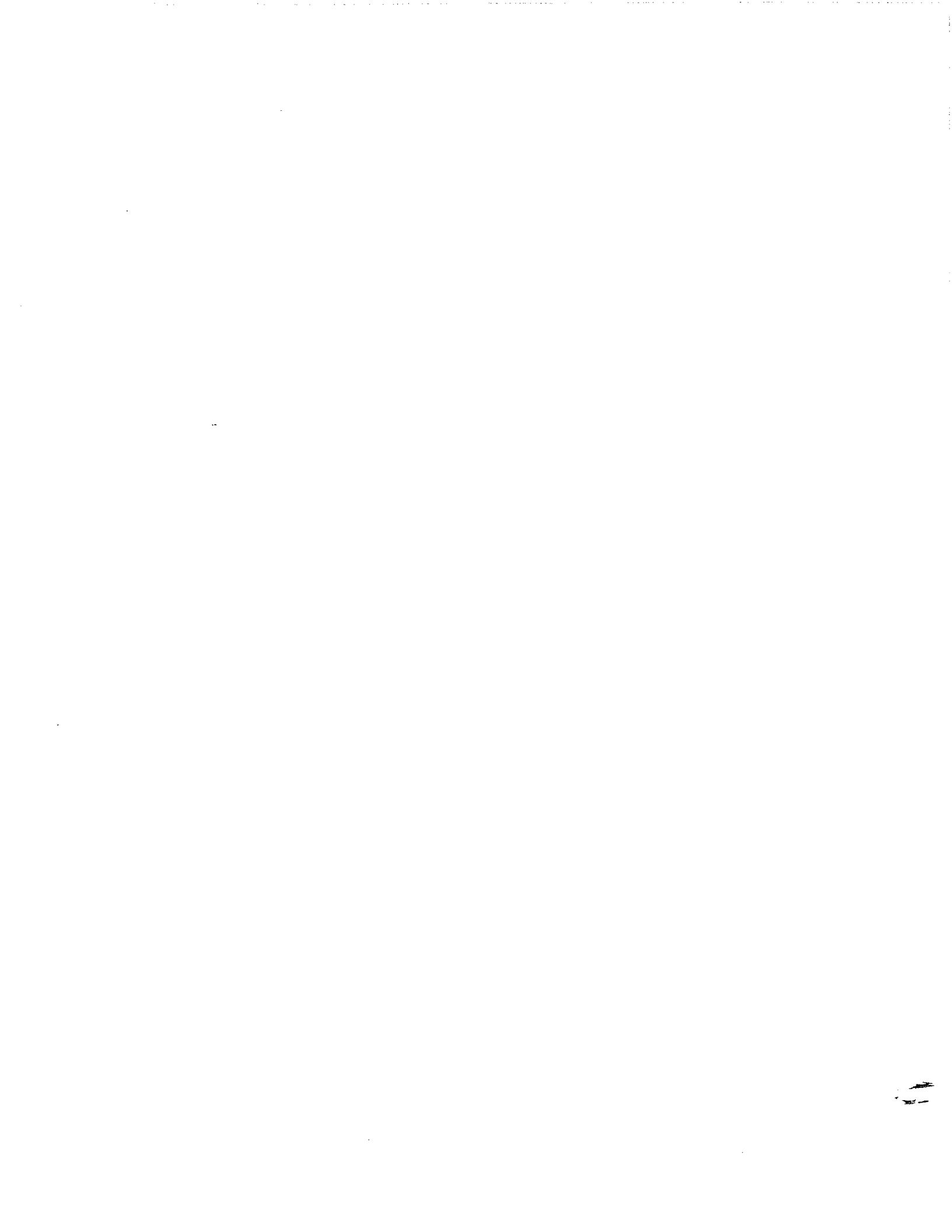


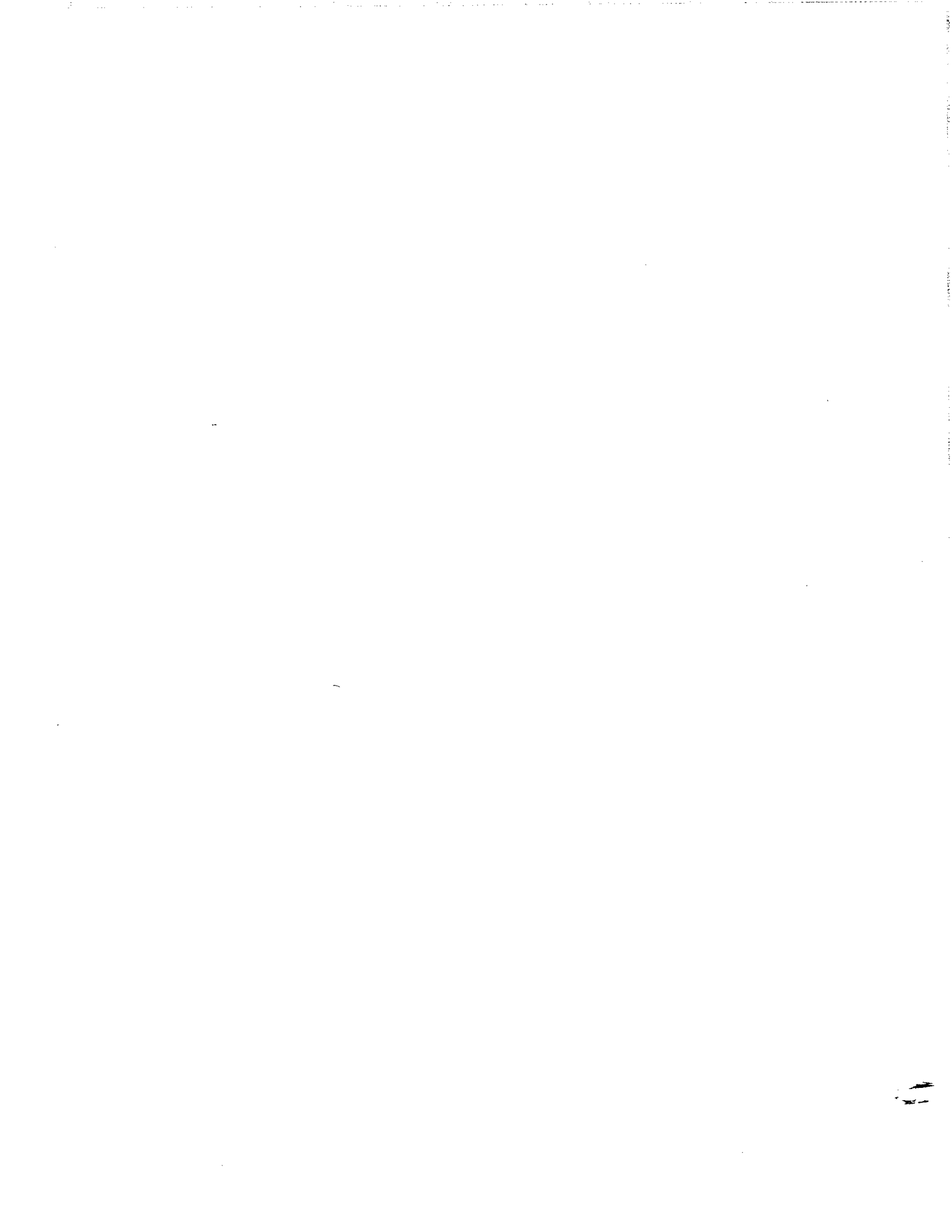
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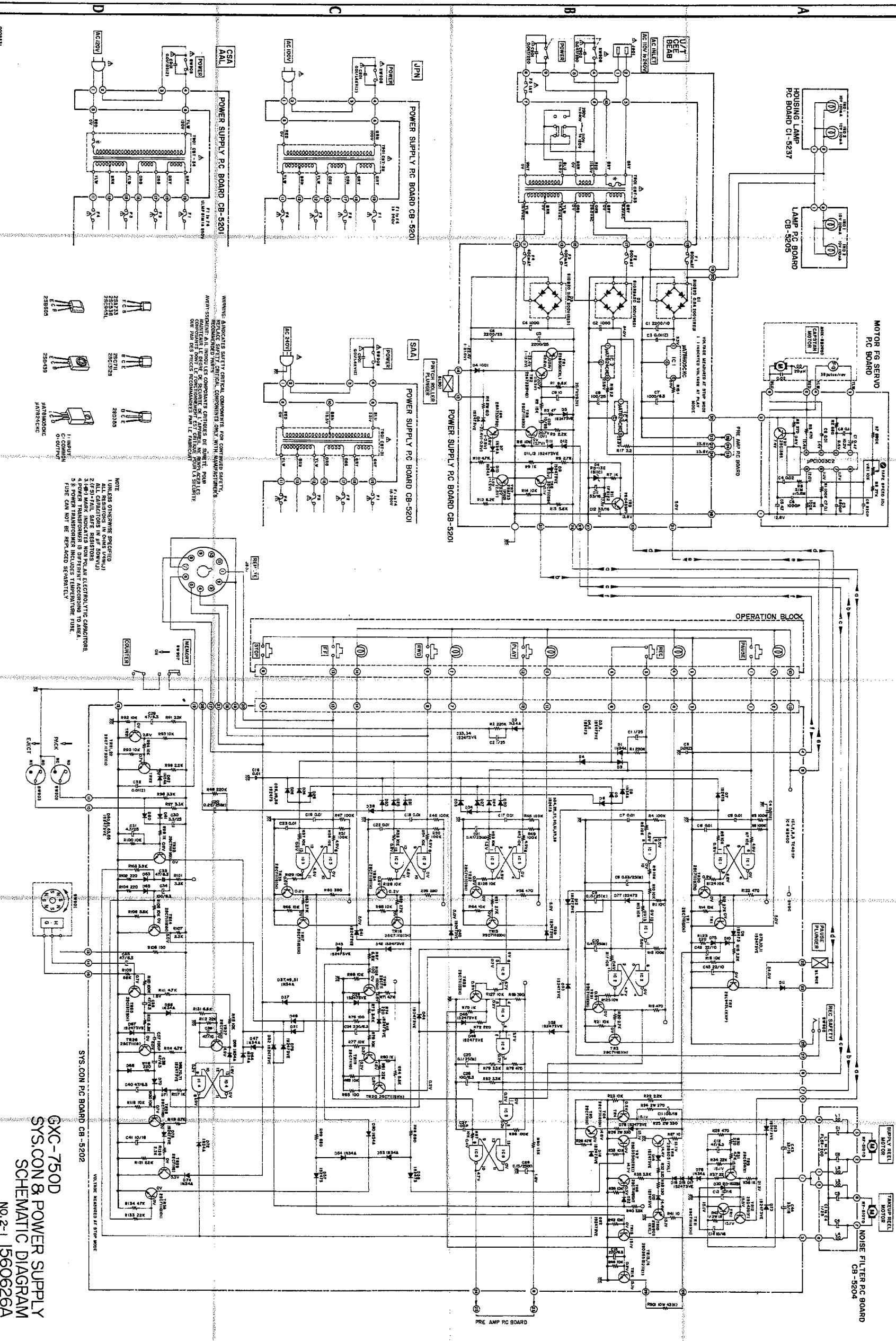
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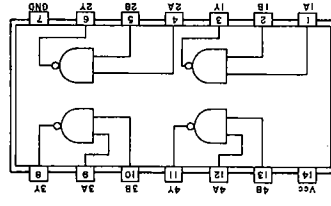
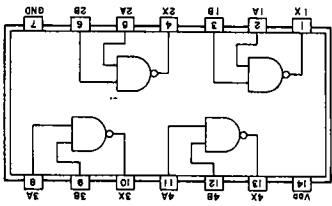
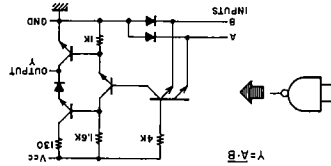
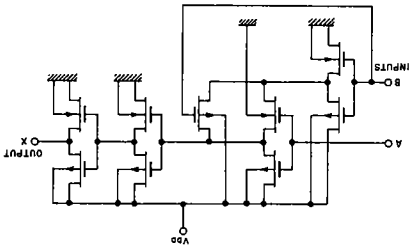
NOTE: SEE OUTLINE DRAWING FOR ALL RESISTORS IN THIS DRAWING. ALL CAPACITORS IN THIS DRAWING ARE ELECTROLYTIC CAPACITORS. POWER TRANSFORMER IS DIFFERENT ACCORDING TO AREA. FUSE CAN NOT BE REPLACED SEPARATELY.

COMPONENT LIST:

- 283478 F.C.
- 283479 F.C.
- 283480 F.C.
- 283481 F.C.
- 283482 F.C.
- 283483 F.C.
- 283484 F.C.
- 283485 F.C.
- 283486 F.C.
- 283487 F.C.
- 283488 F.C.
- 283489 F.C.
- 283490 F.C.
- 283491 F.C.
- 283492 F.C.
- 283493 F.C.
- 283494 F.C.
- 283495 F.C.
- 283496 F.C.
- 283497 F.C.
- 283498 F.C.
- 283499 F.C.
- 283500 F.C.
- 283501 F.C.
- 283502 F.C.
- 283503 F.C.
- 283504 F.C.
- 283505 F.C.
- 283506 F.C.
- 283507 F.C.
- 283508 F.C.
- 283509 F.C.
- 283510 F.C.
- 283511 F.C.
- 283512 F.C.
- 283513 F.C.
- 283514 F.C.
- 283515 F.C.
- 283516 F.C.
- 283517 F.C.
- 283518 F.C.
- 283519 F.C.
- 283520 F.C.
- 283521 F.C.
- 283522 F.C.
- 283523 F.C.
- 283524 F.C.
- 283525 F.C.
- 283526 F.C.
- 283527 F.C.
- 283528 F.C.
- 283529 F.C.
- 283530 F.C.
- 283531 F.C.
- 283532 F.C.
- 283533 F.C.
- 283534 F.C.
- 283535 F.C.
- 283536 F.C.
- 283537 F.C.
- 283538 F.C.
- 283539 F.C.
- 283540 F.C.
- 283541 F.C.
- 283542 F.C.
- 283543 F.C.
- 283544 F.C.
- 283545 F.C.
- 283546 F.C.
- 283547 F.C.
- 283548 F.C.
- 283549 F.C.
- 283550 F.C.
- 283551 F.C.
- 283552 F.C.
- 283553 F.C.
- 283554 F.C.
- 283555 F.C.
- 283556 F.C.
- 283557 F.C.
- 283558 F.C.
- 283559 F.C.
- 283560 F.C.
- 283561 F.C.
- 283562 F.C.
- 283563 F.C.
- 283564 F.C.
- 283565 F.C.
- 283566 F.C.
- 283567 F.C.
- 283568 F.C.
- 283569 F.C.
- 283570 F.C.
- 283571 F.C.
- 283572 F.C.
- 283573 F.C.
- 283574 F.C.
- 283575 F.C.
- 283576 F.C.
- 283577 F.C.
- 283578 F.C.
- 283579 F.C.
- 283580 F.C.
- 283581 F.C.
- 283582 F.C.
- 283583 F.C.
- 283584 F.C.
- 283585 F.C.
- 283586 F.C.
- 283587 F.C.
- 283588 F.C.
- 283589 F.C.
- 283590 F.C.
- 283591 F.C.
- 283592 F.C.
- 283593 F.C.
- 283594 F.C.
- 283595 F.C.
- 283596 F.C.
- 283597 F.C.
- 283598 F.C.
- 283599 F.C.
- 283600 F.C.

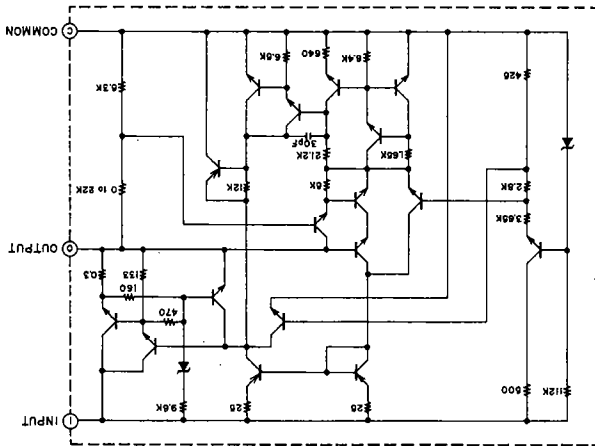
GXC-750D
SYS.CON & POWER SUPPLY
SCHEMATIC DIAGRAM
No.2-1 1560626A



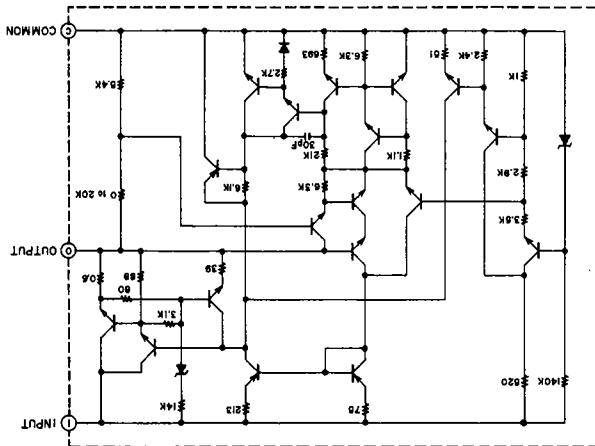


TC4011P

MB400



μA7824CXC



μA78M05CXC



6

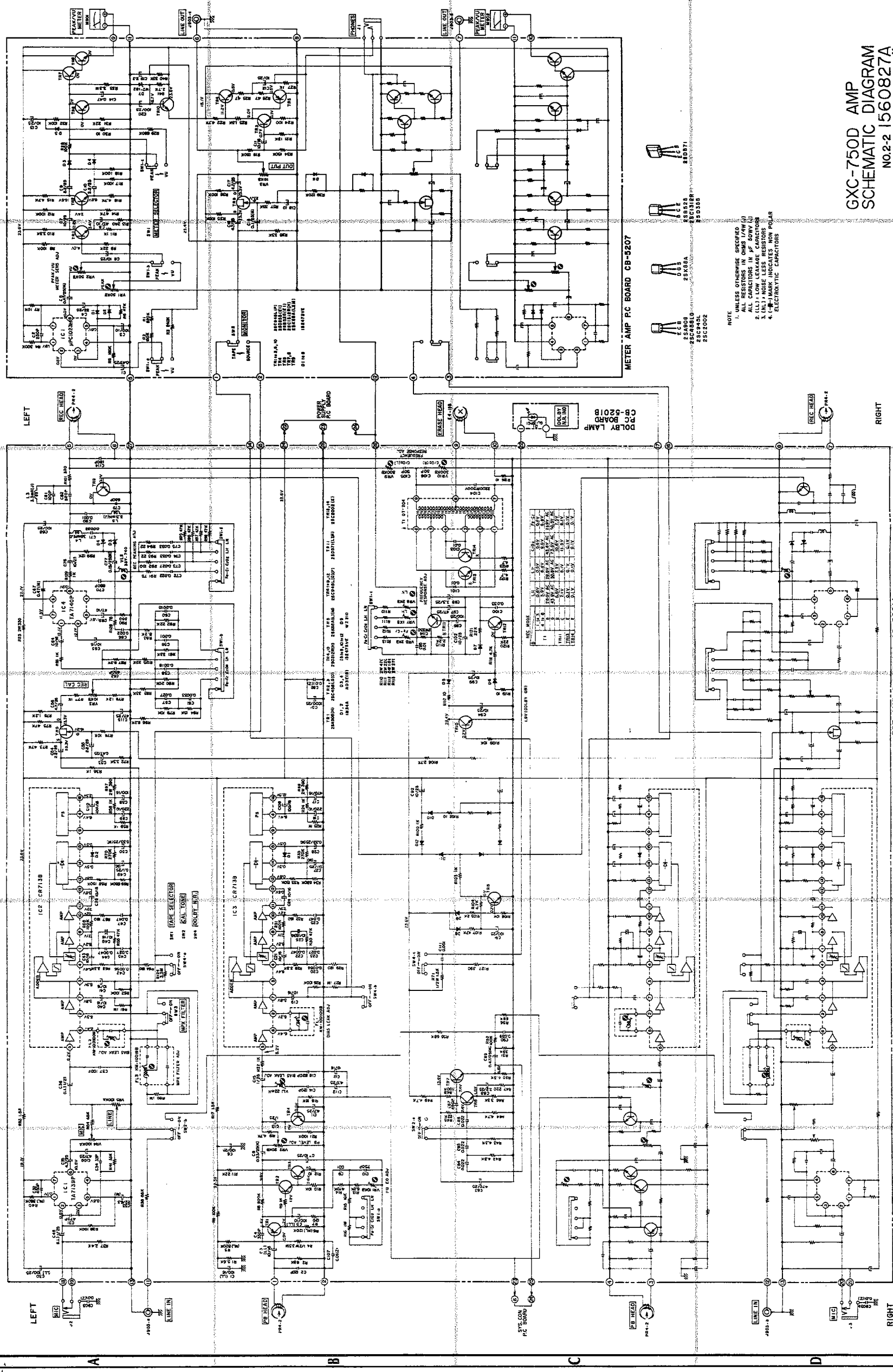
5

4

3

2

GXC-750D



**GXC-750D AMP
SCHEMATIC DIAGRAM**
No.2 1560827A

- NOTE
1. UNLESS OTHERWISE SPECIFIED ALL CAPACITORS IN μ F 50V (U)
 2. (L1) - LOW LEAKAGE CAPACITORS
 3. (R1) - NOISE LESS RESISTORS
 4. ELECTROLYTIC CAPACITORS

- 25A808
- 25C808
- 25C809
- 25C810
- 25C811
- 25C812
- 25C813
- 25C814
- 25C815
- 25C816
- 25C817
- 25C818
- 25C819
- 25C820
- 25C821
- 25C822
- 25C823
- 25C824
- 25C825
- 25C826
- 25C827
- 25C828
- 25C829
- 25C830
- 25C831
- 25C832
- 25C833
- 25C834
- 25C835
- 25C836
- 25C837
- 25C838
- 25C839
- 25C840
- 25C841
- 25C842
- 25C843
- 25C844
- 25C845
- 25C846
- 25C847
- 25C848
- 25C849
- 25C850
- 25C851
- 25C852
- 25C853
- 25C854
- 25C855
- 25C856
- 25C857
- 25C858
- 25C859
- 25C860
- 25C861
- 25C862
- 25C863
- 25C864
- 25C865
- 25C866
- 25C867
- 25C868
- 25C869
- 25C870
- 25C871
- 25C872
- 25C873
- 25C874
- 25C875
- 25C876
- 25C877
- 25C878
- 25C879
- 25C880
- 25C881
- 25C882
- 25C883
- 25C884
- 25C885
- 25C886
- 25C887
- 25C888
- 25C889
- 25C890
- 25C891
- 25C892
- 25C893
- 25C894
- 25C895
- 25C896
- 25C897
- 25C898
- 25C899
- 25C900

