

SECTION 2. ELECTRICAL SECTION

□ 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 modificate 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. Connect low side of signal source and output indicator to chassis ground unless otherwise specified.
- 5. Keep the signal input as low as possible to avoid AGC and AC action.

TAPE DECK ADJUSTMENT

1. AZIMUTH ADJUSTMENT

Deck Mode	Test Tape	Test Point	Adjustment	Adjust for
Palyback	MTT-114	Speaker Out	DECK Screw Azimuth Screw	Maximum

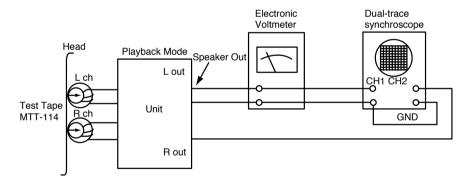
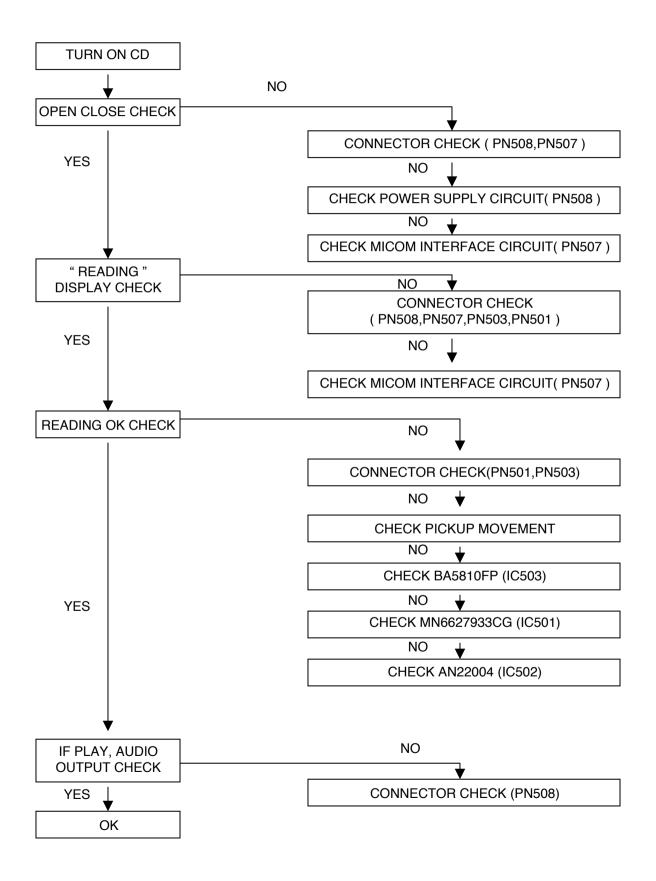


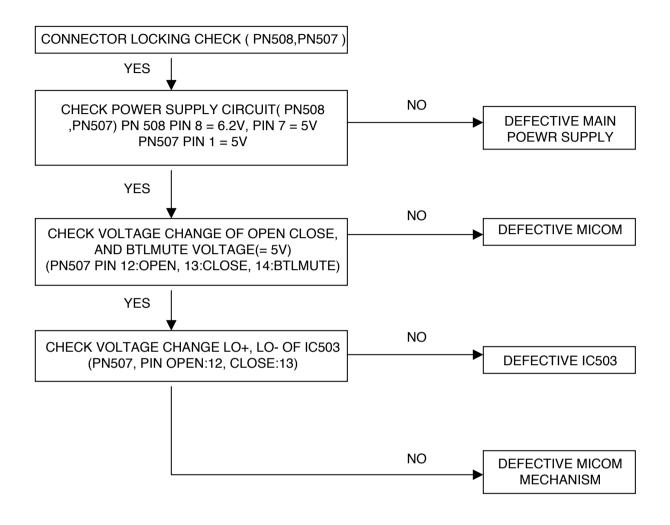
Figure 1. Azimuth Adjustment Connection Diagram

□ TROUBLESHOOTING

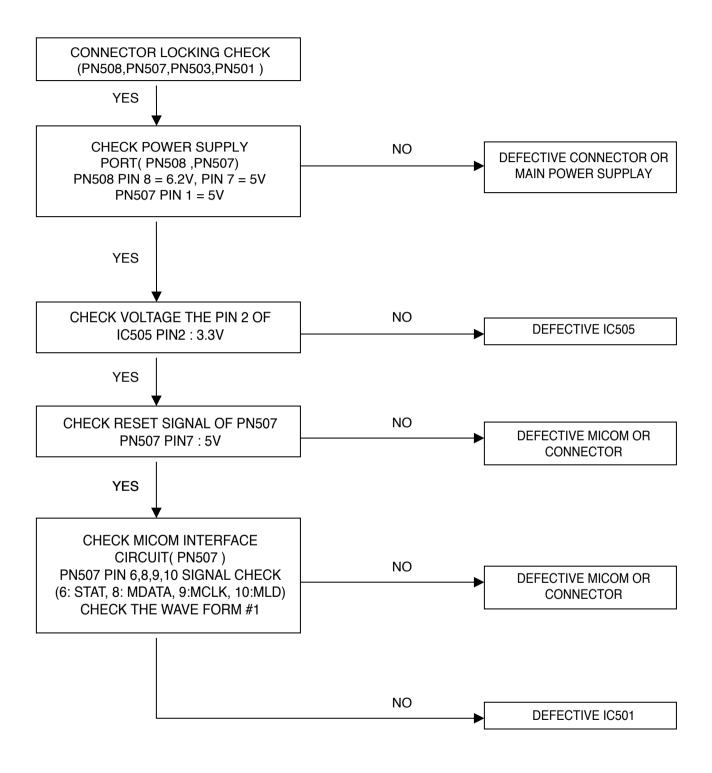
· CD PART



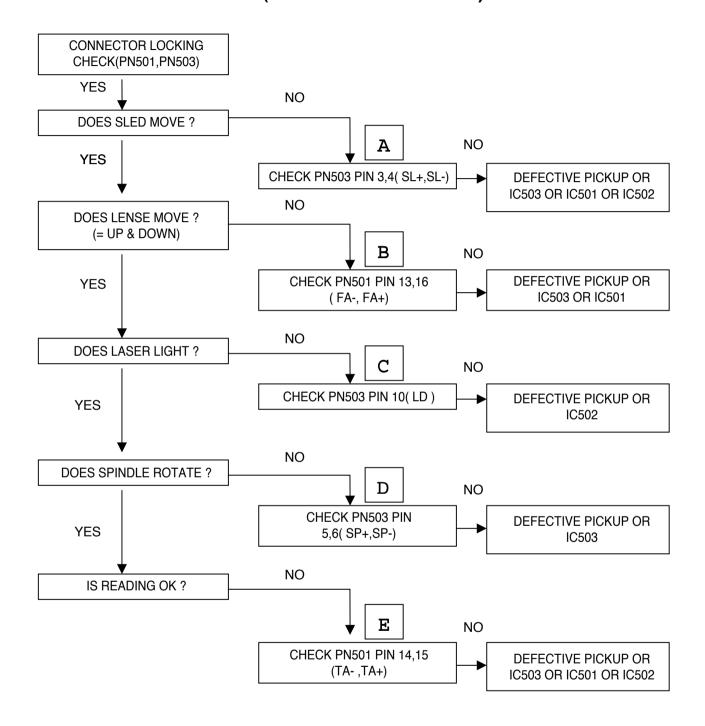
· OPEN CLOSE NG



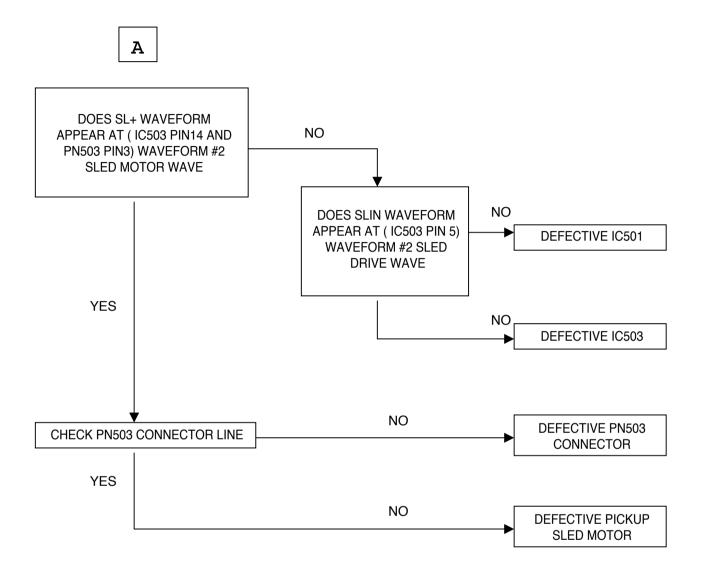
• " READING " DISPLAY CHECK (= ONLY "CD "DISPLAY)



• READING OK CHECK (= "NO DISC" DISPLAY)



• READING OK CHECK #A (= "NO DISC" DISPLAY)

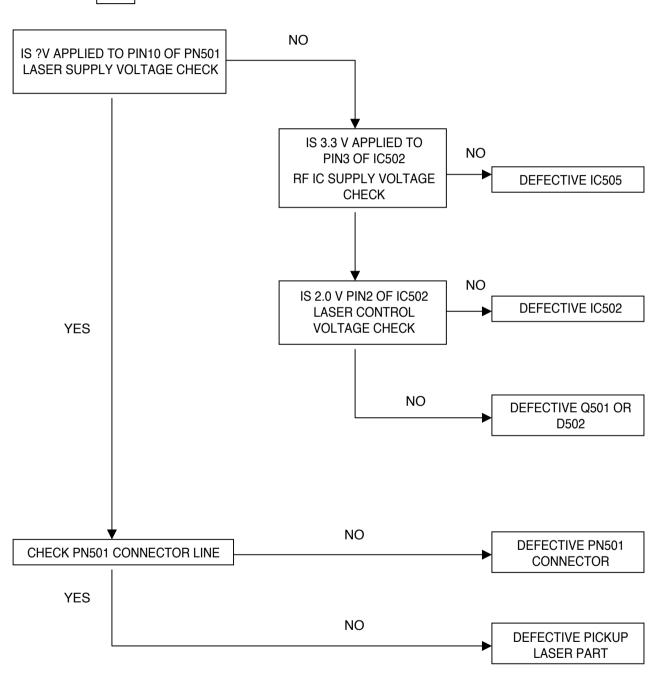


• READING OK CHECK #B (= "NO DISC" DISPLAY)

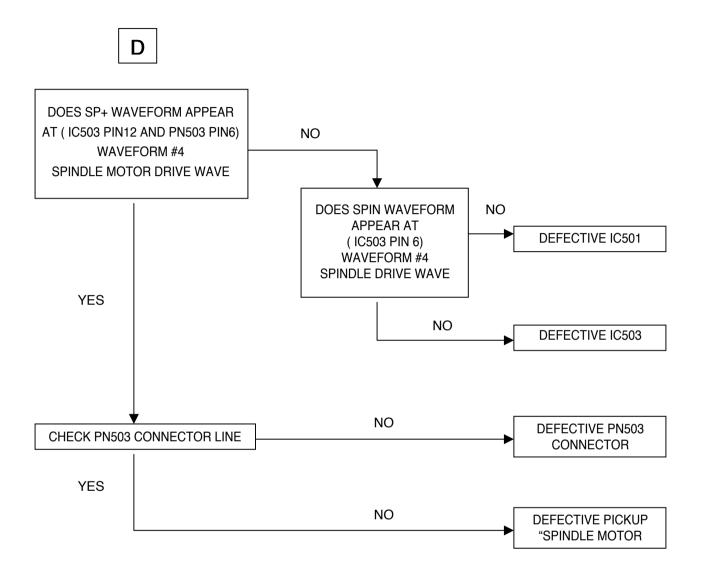
В DOES FA+ WAVEFORM NO APPEAR AT (IC503 PIN15 AND PN501 PIN16) WAVEFORM #3 FOCUS COIL DRIVE WAVE NO DOES FAIN- WAVEFORM APPEAR AT (IC503 PIN 26) **DEFECTIVE IC501** WAVEFORM #3 FOCUS **DRIVE WAVE** YES NO **DEFECTIVE IC503** NO **DEFECTIVE PN501** CHECK PN501 CONNECTOR LINE CONNECTOR NO **DEFECTIVE PICKUP FOCUS ACTUATOR**

• READING OK CHECK #C (= "NO DISC" DISPLAY)

С

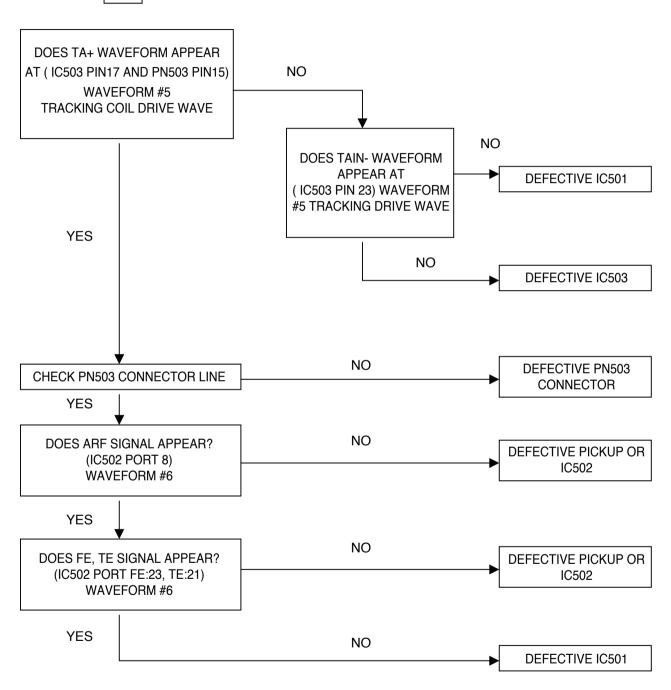


• READING OK CHECK #D (= "NO DISC" DISPLAY)



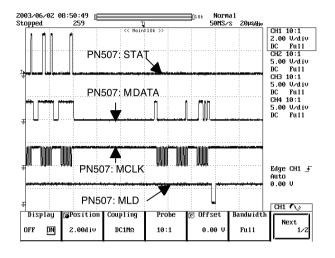
• READING OK CHECK #E (= "NO DISC" DISPLAY)

Ε

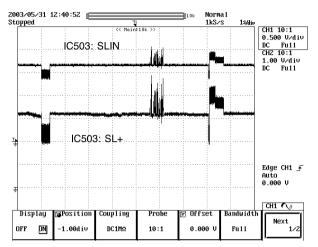


□ WAVEFORMS OF MAKOR CHECK POINT

#1 . MICOM INTERFACE WAVEFORM (PN507 pin6, 8, 9, 1 0) during normal play

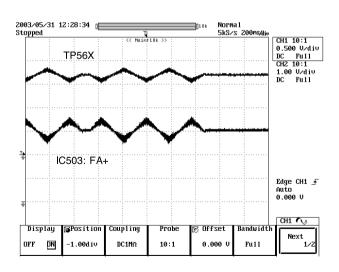


#2. SLED DRIVE AND MOTOR WAVEFORM (IC503 pin5, 1 4) when focus search

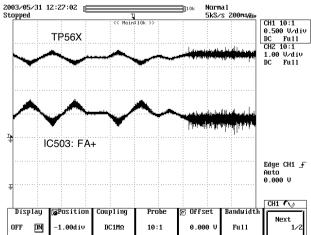


#3. FOCUS DRIVE AND MOTOR WAVEFORM (TP56 1, IC503 pin 1 5)

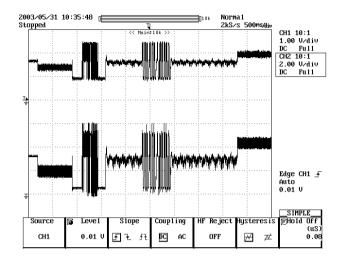
- When focus search failed or there is no disc on tray



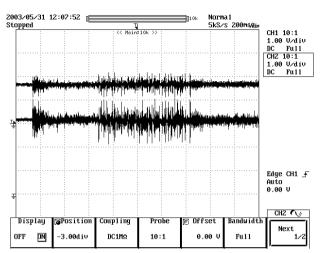
- There is disc on tray and focus search success



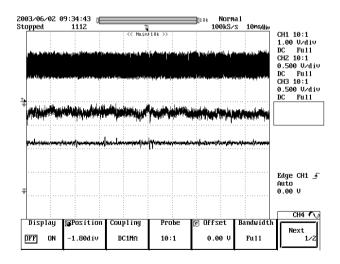
#4. SPINDLE DRIVE AND MOTOR WAVEFORM (IC503 pin6, 1 2) when TOC reading



#5. TRACK DRIVE AND MOTOR WAVEFORM (TP560, IC503 pin23) during normal play

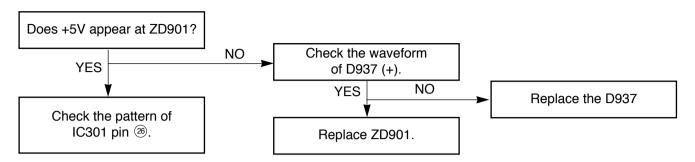


#6. RF, TRACKING AND FOCUS ERROR WAVEFORM (IC502 pin8, 2 1, 23) during normal play

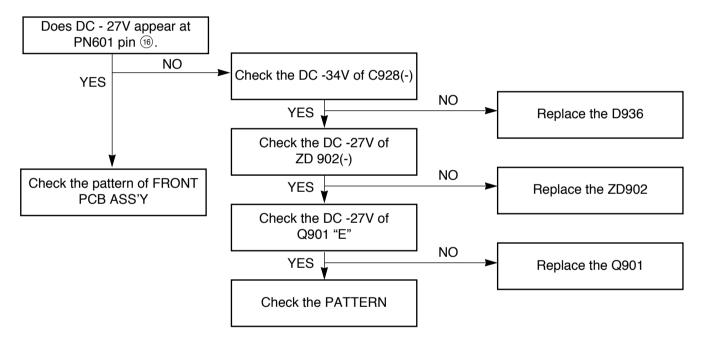


□ AUDIO PART

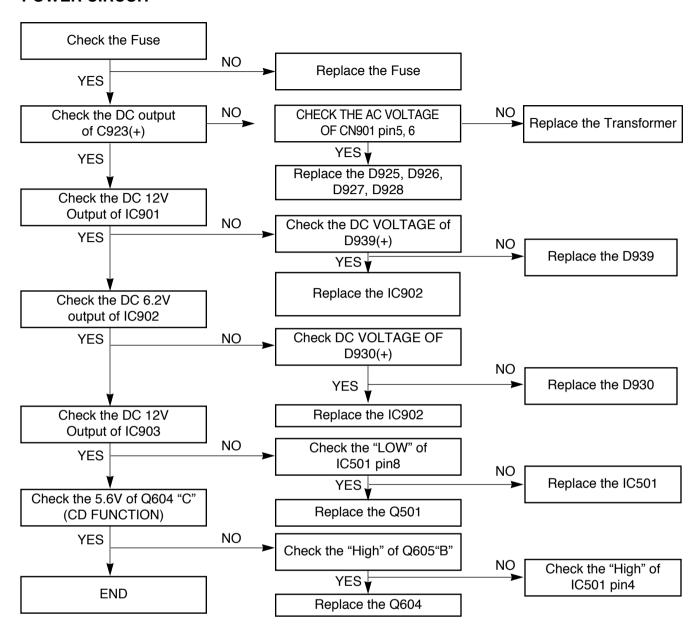
P-SENS PART



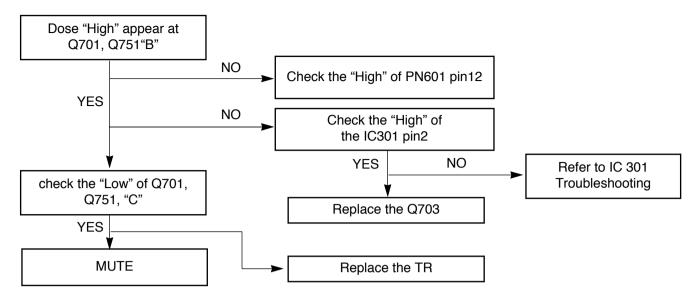
VKK PART



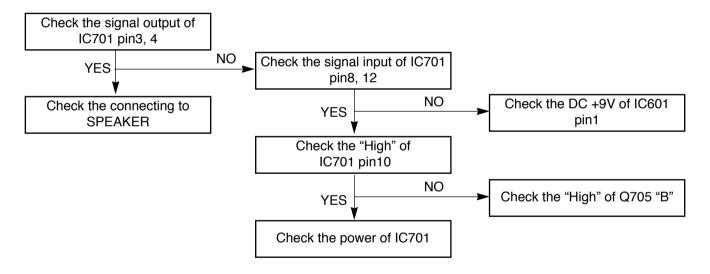
POWER CIRCUIT



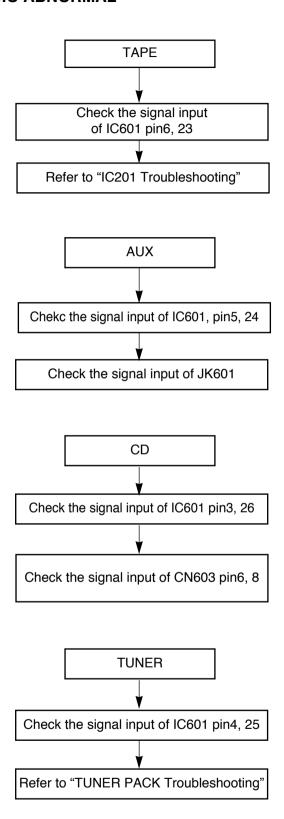
MUTING CIRCUIT (MUTE)



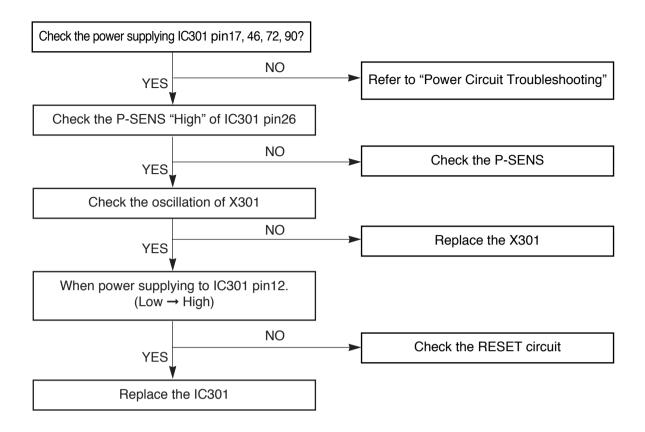
AUDIO ABNORMAL



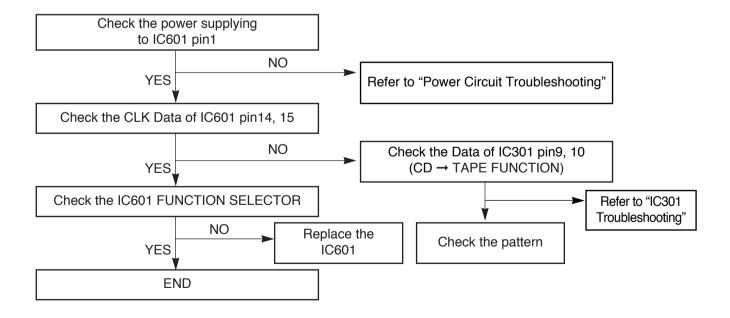
FUNCTION MODE AUDIO ABNORMAL



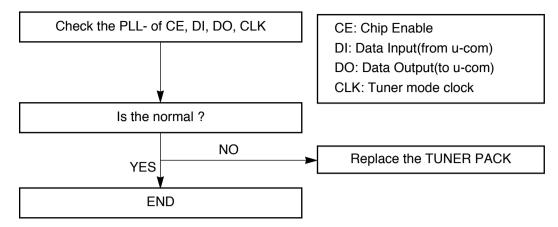
IC301 TROUBLESHOOTING



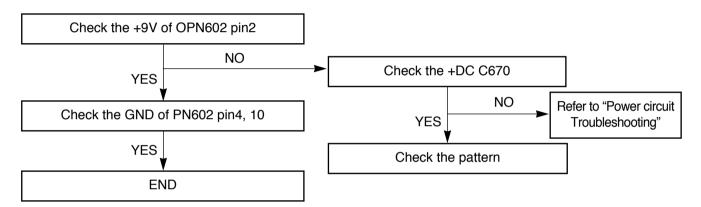
IC601 TROUBLESHOOTING



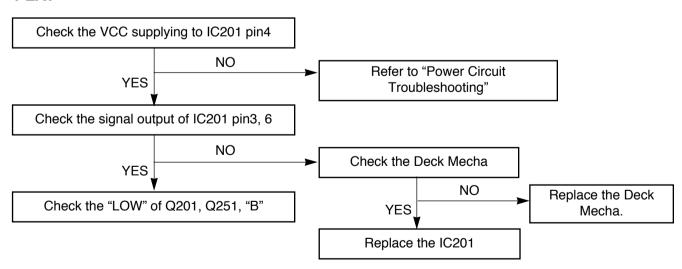
TUNER PACK TROUBLESHOOTING



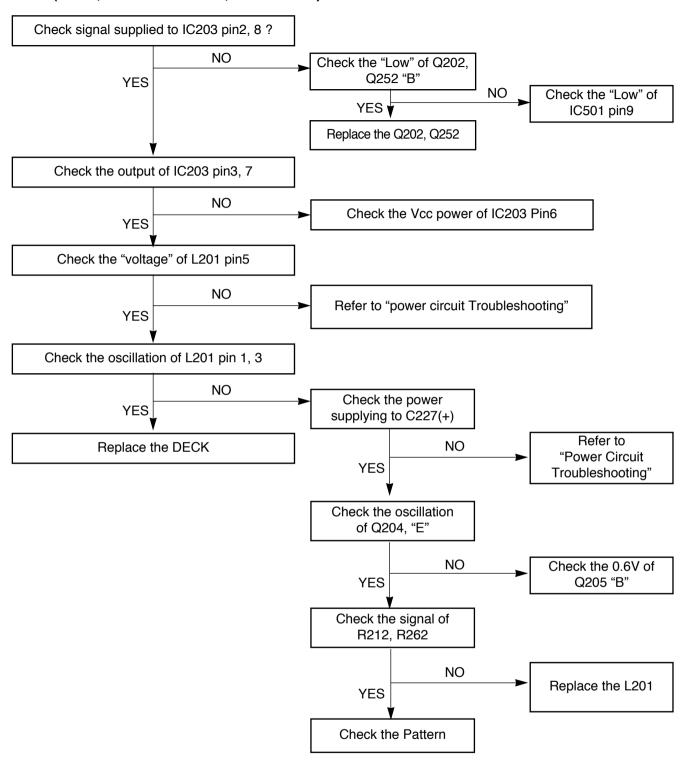
TUNER PACK POWER TROUBLESHOOTING



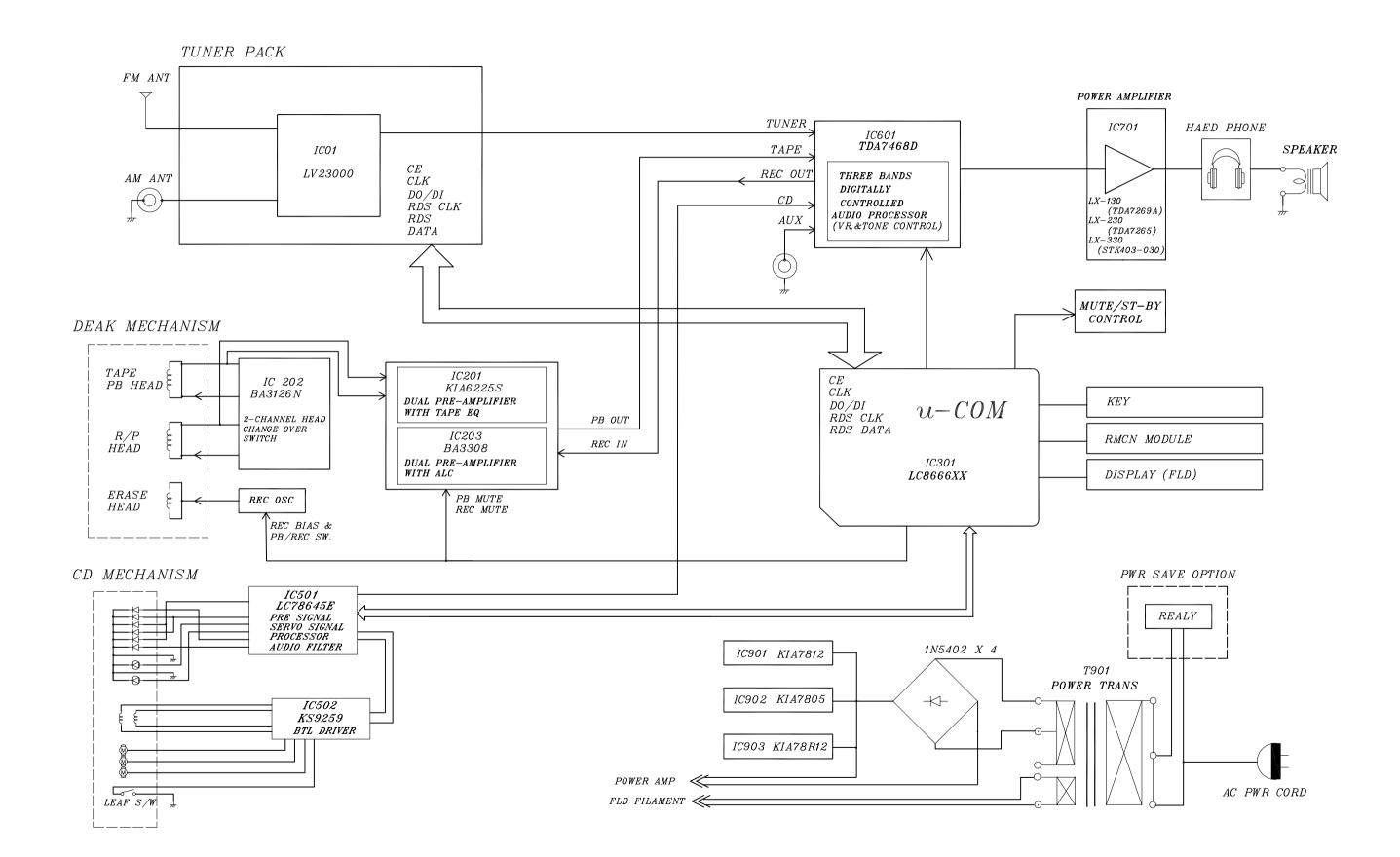
PLAY



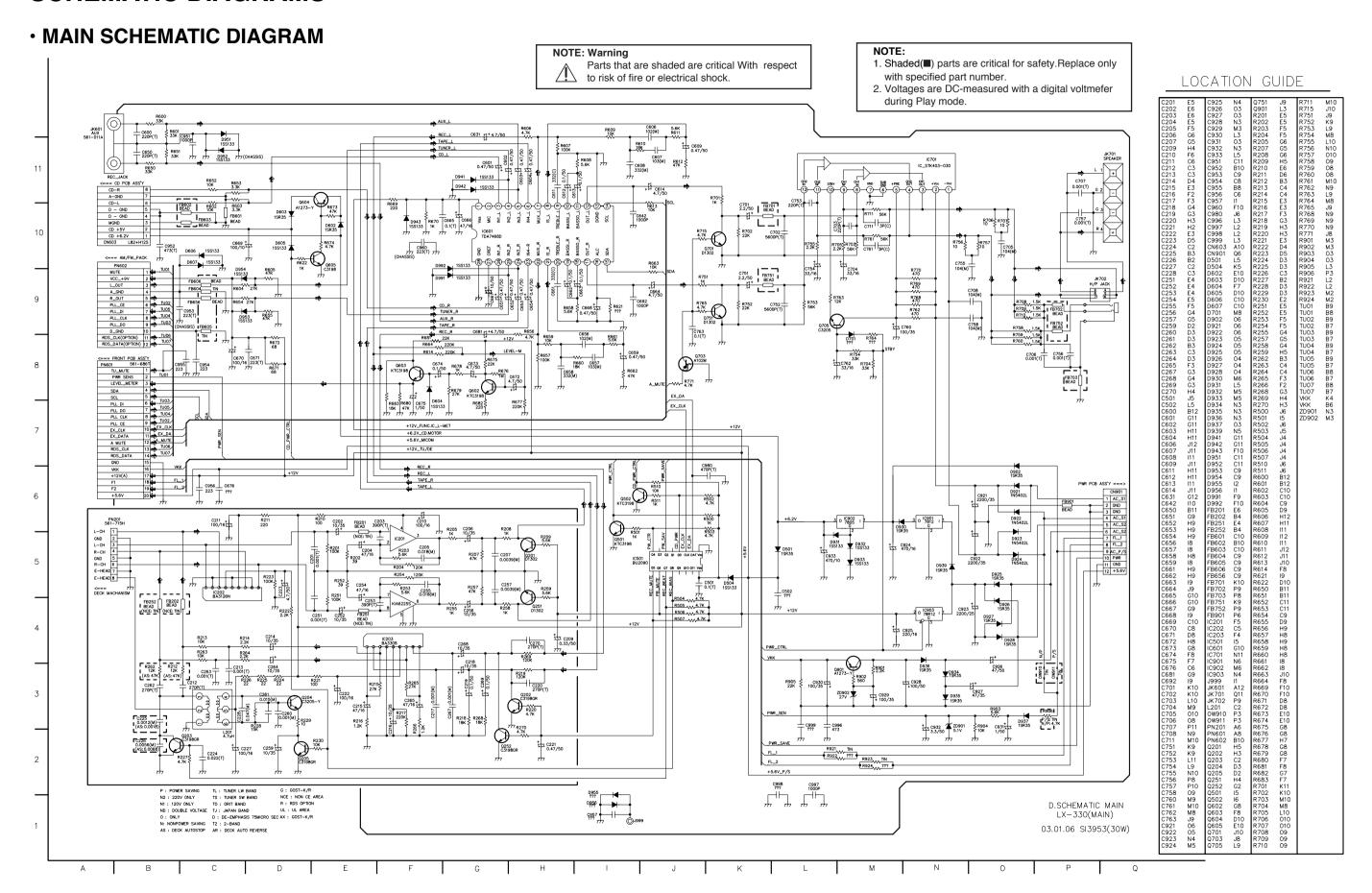
REC (Q252, Q202 ON / R273, R223 HIGH)



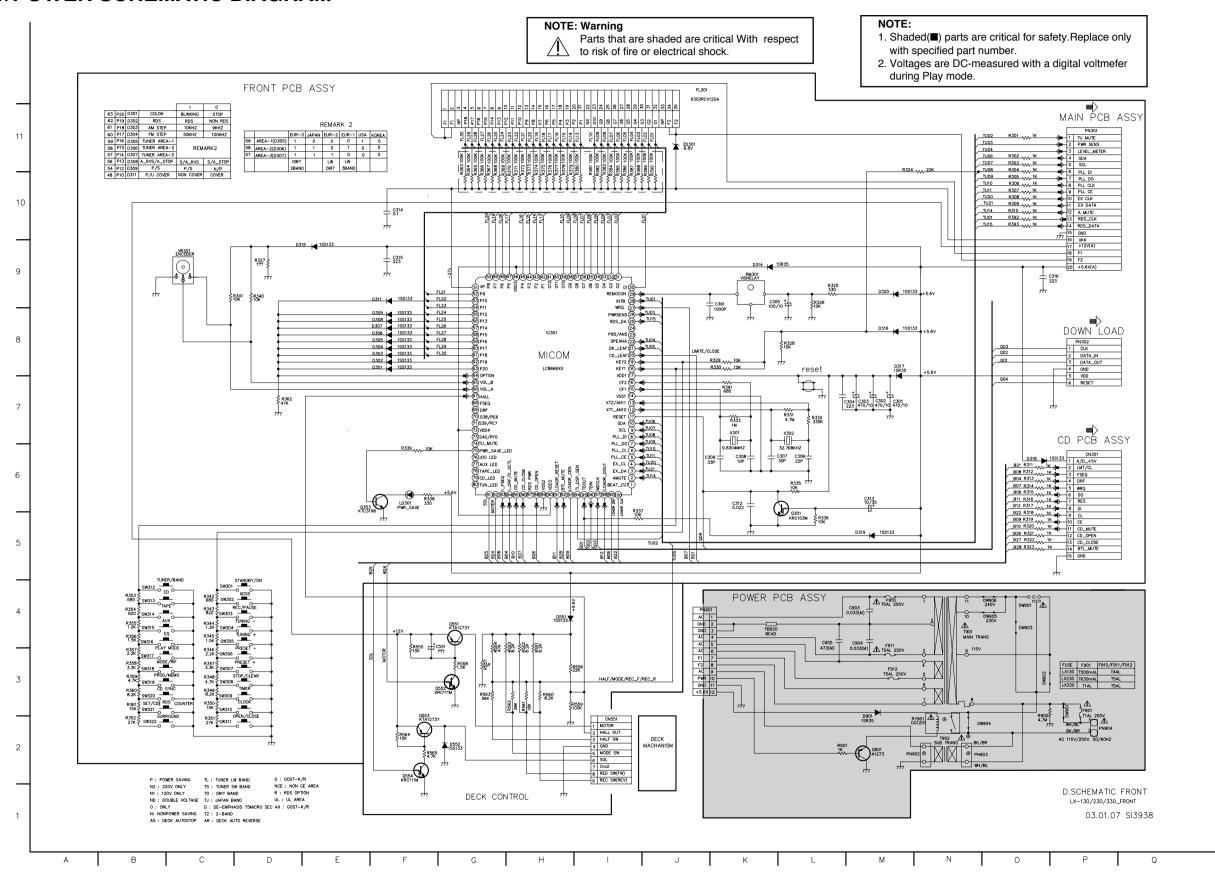
BLOCK DIAGRAM



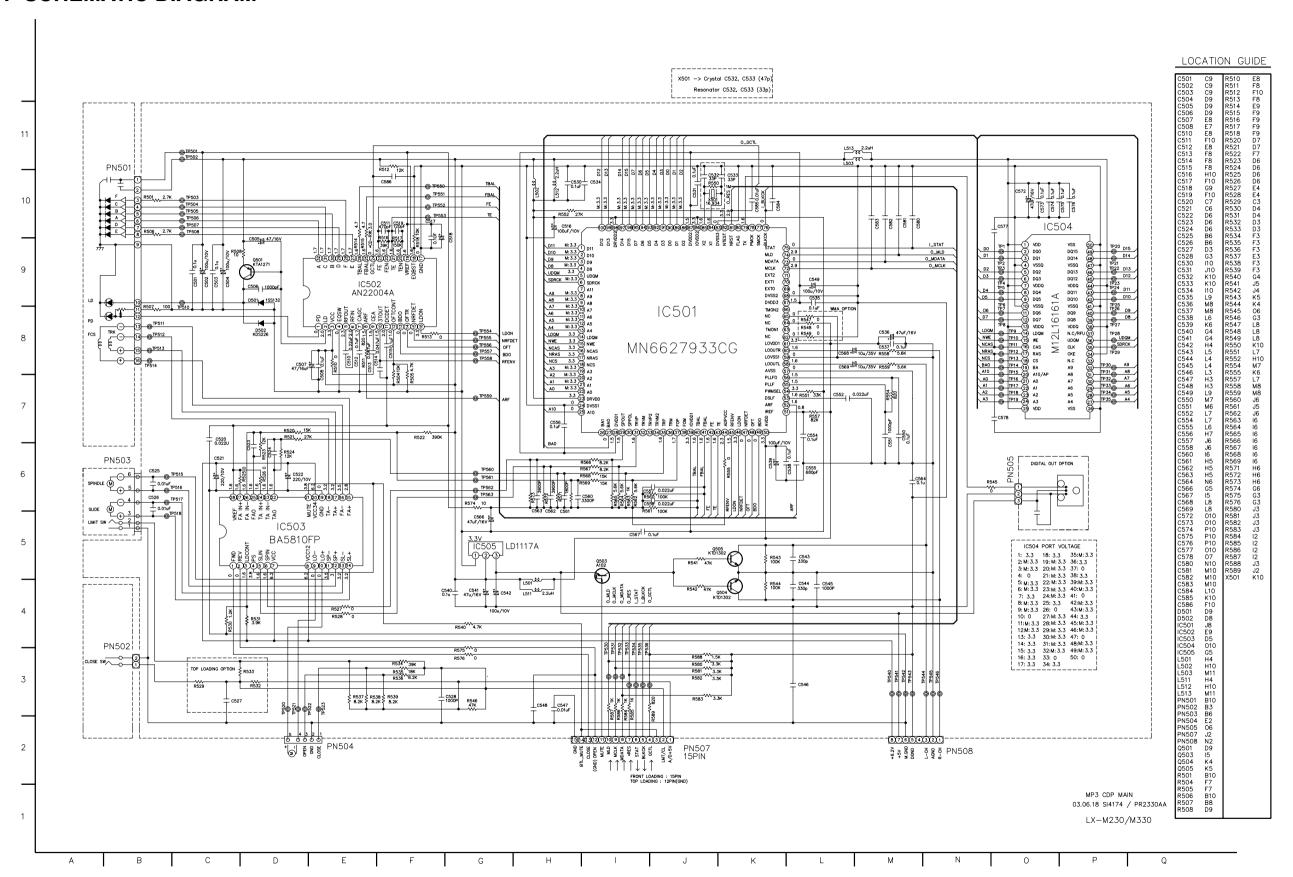
SCHEMATIC DIAGRAMS



FRONT/POWER SCHEMATIC DIAGRAM



CDP SCHEMATIC DIAGRAM



WIRING DIAGRAM

