

UD COMPONENT SYSTEM/COMPACT HI-FI SYSTEM

RXD-F2/L

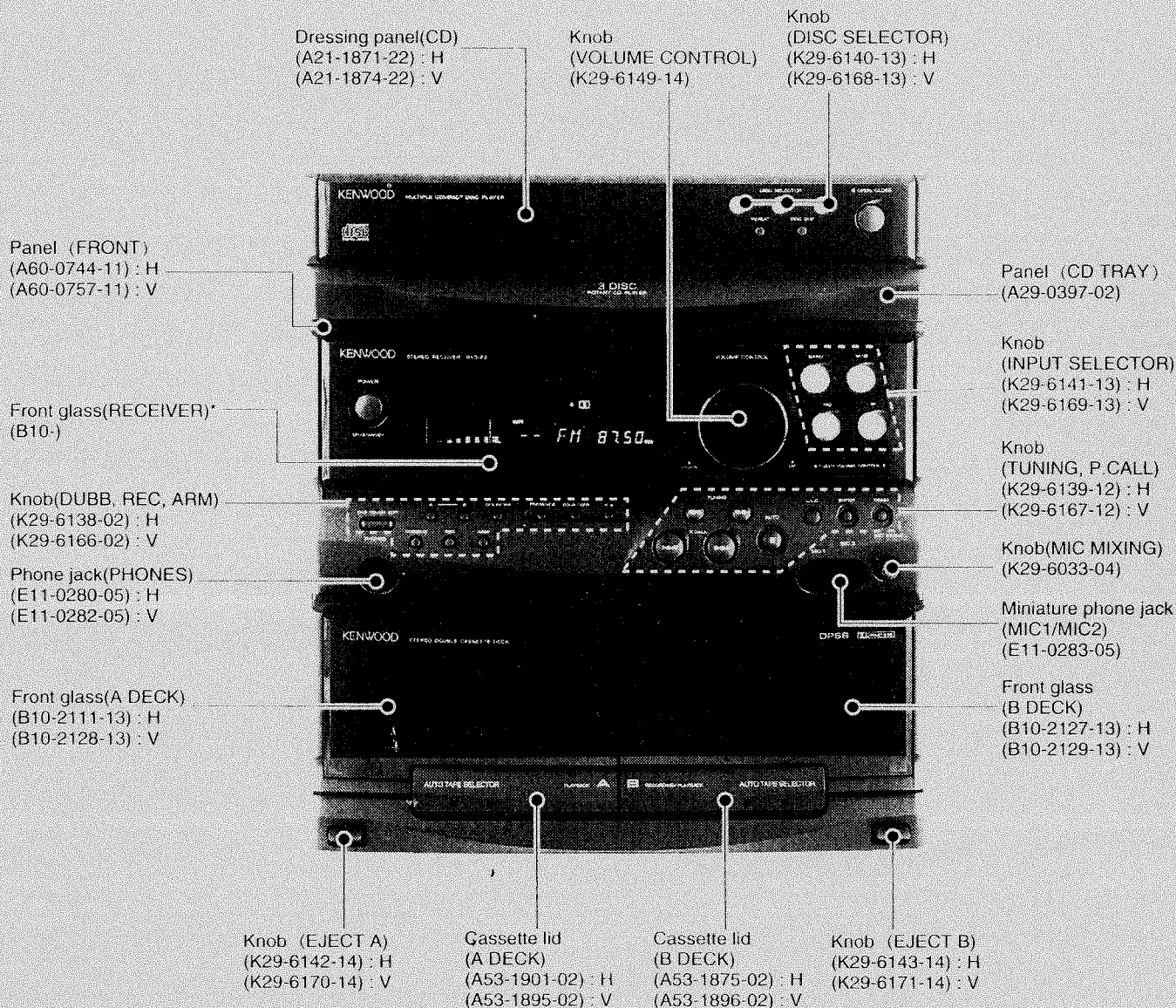
SERVICE MANUAL

(UD-203/333 main unit)

KENWOOD

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B51-5090-00 (K) 4180



*Refer to parts list on page 51.

In compliance with Federal Regulations, following are reproductions of labels on, or inside the product relating to laser product safety.

KENWOOD-Corp. certifies this equipment conforms to DHHS Regulations No. 21 CFR 1040. 10, Chapter 1, Subchapter J.

DANGER : Laser radiation when open and interlock defeated. AVOID DIRECT EXPOSURE TO BEAM.

PRECAUTIONS FOR REPAIR

- This model is made in China with Huizhou made (H) and Shanghai made (V)
[The distinction method of the remark in the part list]
H : Huizhou made (Rear panel : Metallic version) V : Shanghai made (Rear panel : Black version)
- For the operation of the CD and the cassette (A or B deck) mechanism, see Service Manual(B51-4869-00) of RXD-C3/C3L.
- For the circuit description, see Service Manual(B51-5091-00) of RXD-F3/F4/F41/F42.

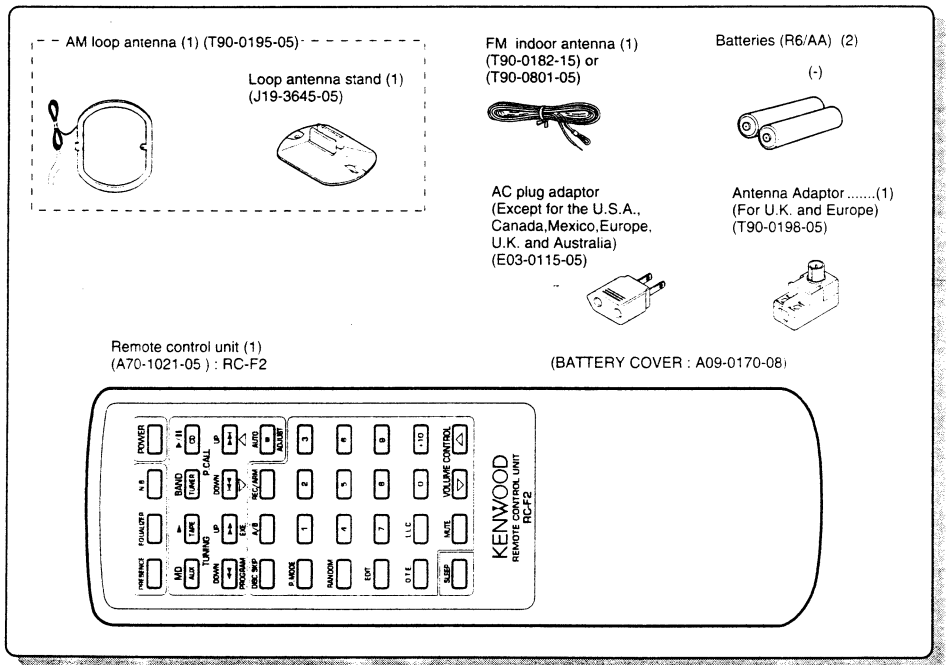
RXD-F2/L

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Accessories

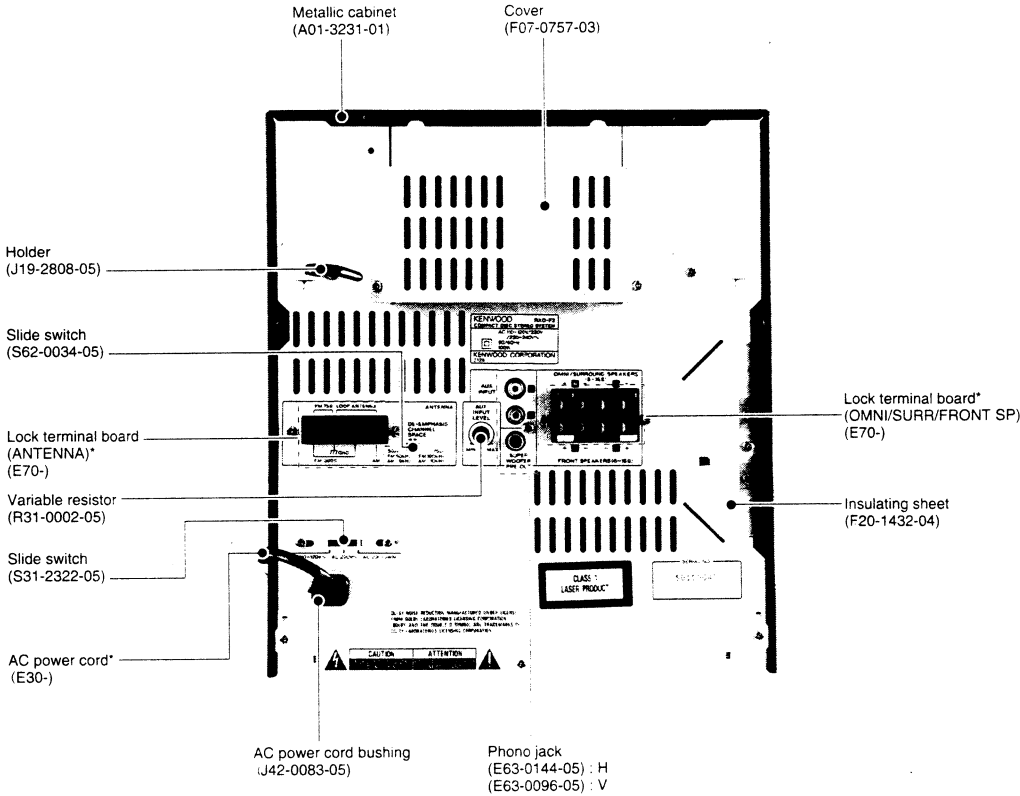


System configuration

SYSTEM NAME	MAIN UNIT	SPEAKERS	OVER CARTON		SPACER ① THIN ② THICK	PACKING ILLUST.
			K	P,R,M,Y,X	P,R,M,X,Y	
UD-203	RXD-F2/L	LS-F2	H60-0322-04	H60-0321-04	① H12-2241-04	
UD-333	RXD-F2	LS-F2	H60-0332-04	H60-0339-04	② H12-2242-04	

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EXTERNAL VIEW / CAUTION



Caution

Beware of condensation

When water vapor comes into contact with the surface of cold material, water drops are produced. If condensation occurs, correct operation may not be possible, or the unit may not function correctly. This is not a malfunction, however, and the unit should be dried. (To do this, turn the POWER switch ON and leave the unit for several hours.)

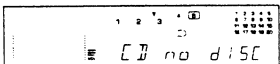
Be especially careful in the following conditions:

- When the unit is brought from a cold place to a warm place, and there is a large temperature difference.
- When a heater starts operating.
- When the unit is brought from an air-conditioned place to a place of high temperature with high humidity.
- When there is a large difference between the internal temperature of the unit and the ambient temperature, or in conditions where condensation occurs easily.

Note related to transportation and movement (CD player)

Before transporting or moving this unit, carry out the following operations.

1. Turn the power ON but do not load a disc.
 - Press the CD(▶/⏸) key to check that no disc is present on the tray.
2. Wait a few seconds and verify that the display shown appears.



3. Turn the power OFF.

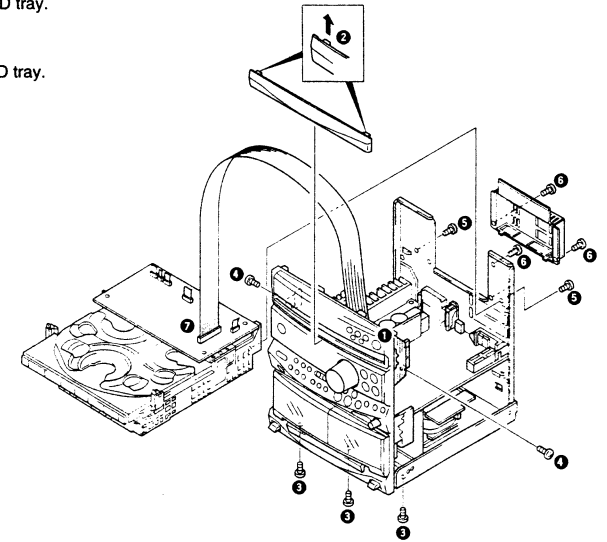
*Refer to parts list on page 51.

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DISASSEMBLY FOR REPAIR

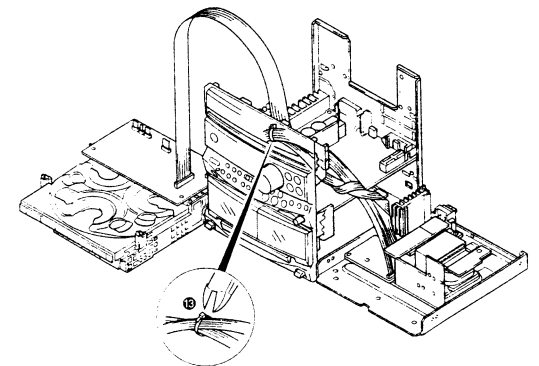
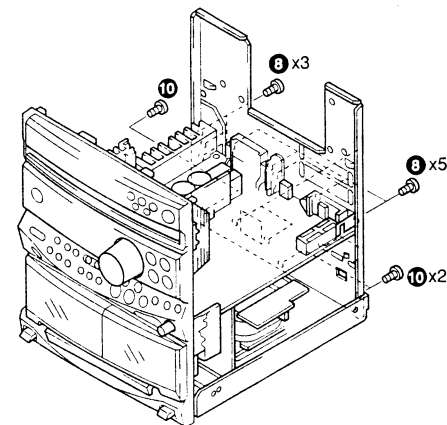
[Remove the CD player]

1. Push the OPEN/CLOSE key(●), then open the CD tray.
2. Lift the left and right sides(●) of the CD player front cover upward and remove it.
3. Push the OPEN/CLOSE key(●) then close the CD tray.
4. Remove the 3 screws(●) of the bottom.
5. Remove the 9 screws(● ~ ●), then remove the CD mechanism(●).



[Remove the chassis]

1. Remove the 11 screws(●, ●).
2. Cut the lead wire(●), then remove the chassis.



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DISASSEMBLY FOR REPAIR

[CD mechanism section]

1) How to detach the tray

1. From the rear side of the CD mechanism, use a screw driver or the like to turn the friction arm (1) fully counterclockwise.
2. Remove the two bracket attachment screws (2).
3. Remove the tray in the arrow direction (4).

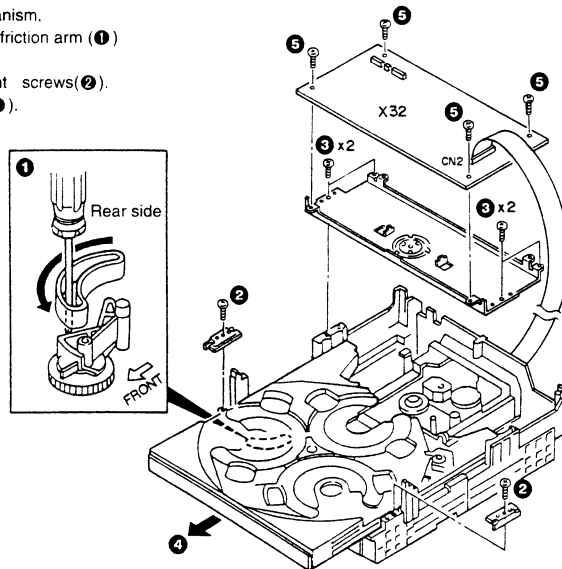


FIG. 1

2) How to attach the tray

1. Check to make sure the rollers on each side (two rollers) have not come off. Move the friction gear by hand in the direction of arrow (1), align the groove on the rear side of the slide tray with the friction gear shaft and insert the slide tray.
2. Align the grooves on both sides of the slide tray with the main chassis' guides (2) and insert the slide tray as far back as it will go.
3. Attach the brackets on both sides (two brackets).

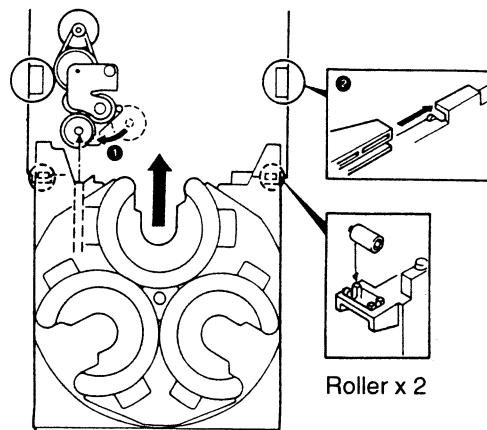


FIG. 2

RXD-F2/L

DISASSEMBLY FOR REPAIR

3) Replacing the pickup

1. Remove the two clamp bracket attachment screws (Fig. 1 9).
2. Remove the four screws affixing the lift slider and lift out the lift slider and traverse unit.

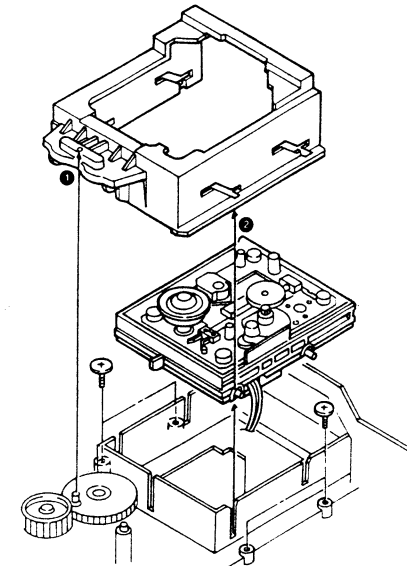


FIG. 3

3. Short the short land.
4. Remove the connector of the flat cable.
5. Remove the gear.
6. Remove the shaft.

※ When reassembling, always be sure to align the cam gear and traverse shaft as shown in 1 and 2 of Fig 3. Then remove a tool of the short land.

Note : Don't separate pickup PC board from pickup.

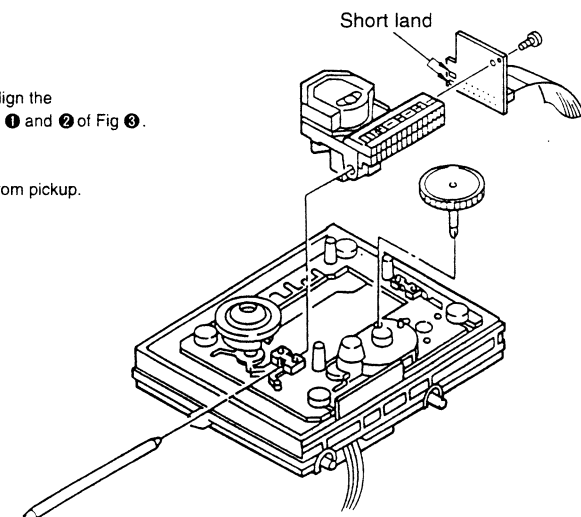
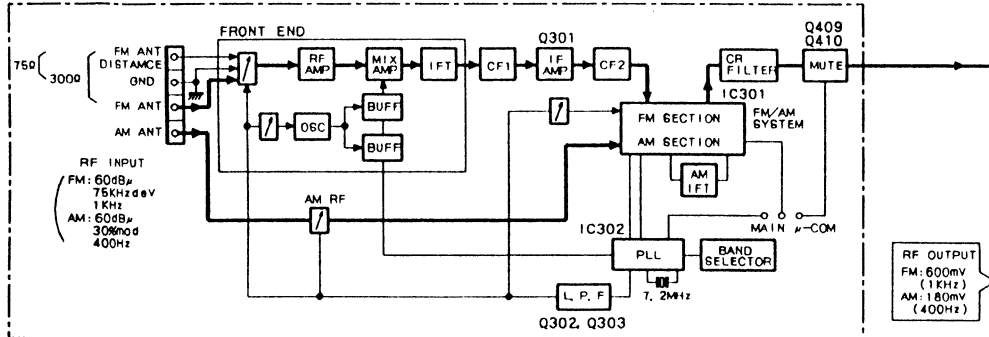


FIG. 4

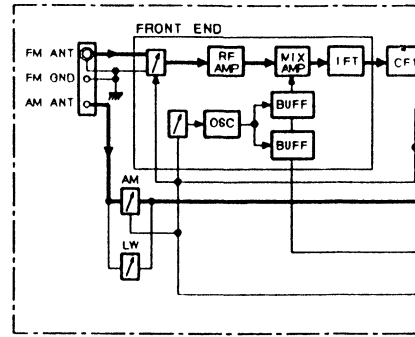
RXD-F2/L RX

BLOCK DIAG

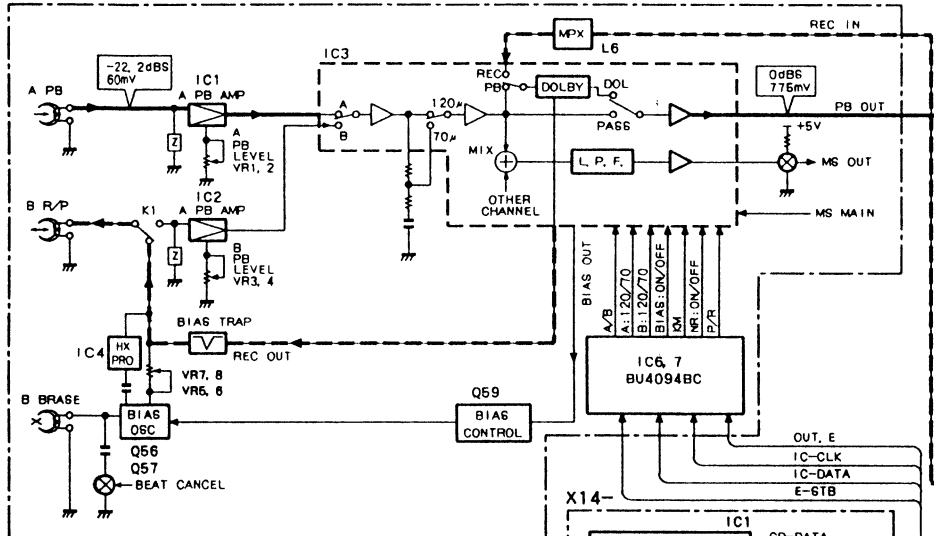
X09- K, P, R, M, X TYPE



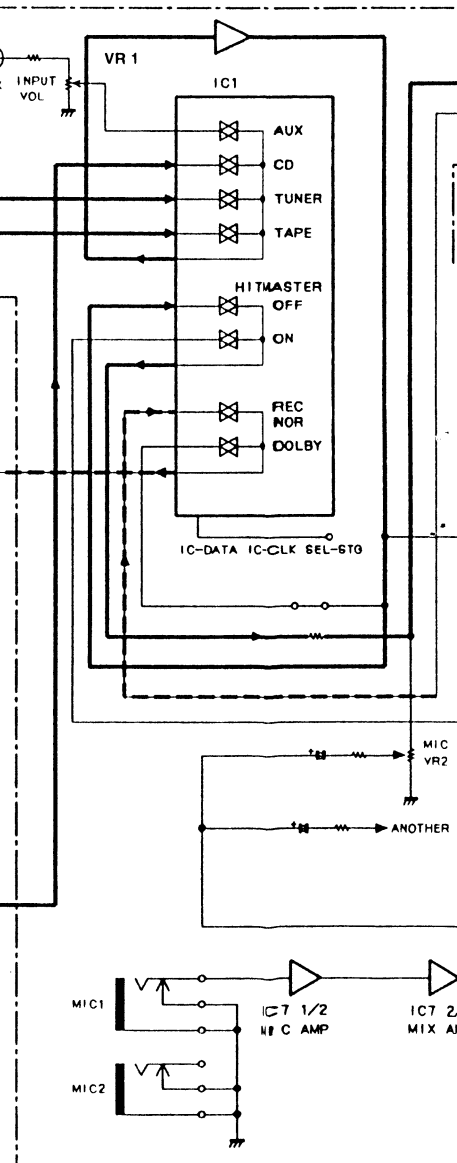
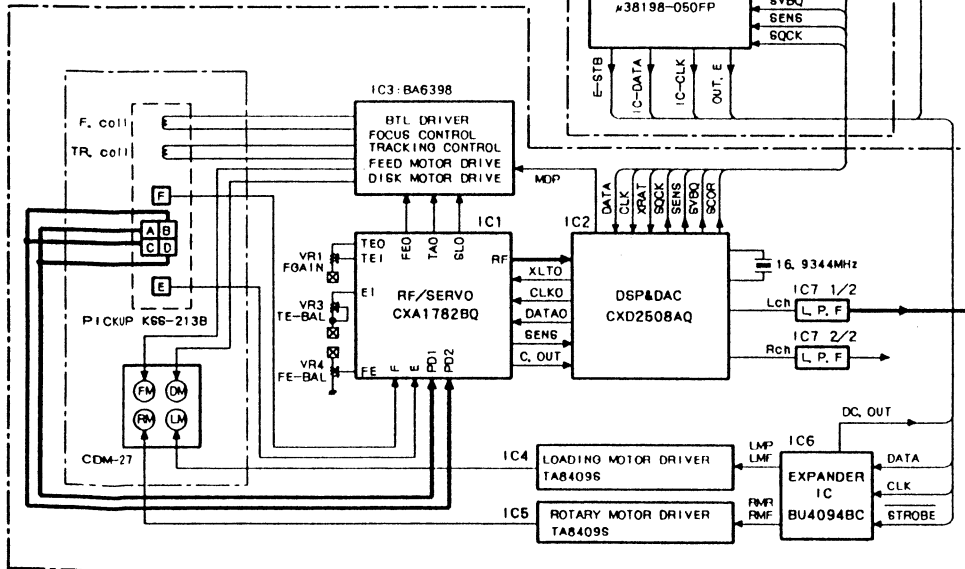
X09- E, T, G TYPE



X28-

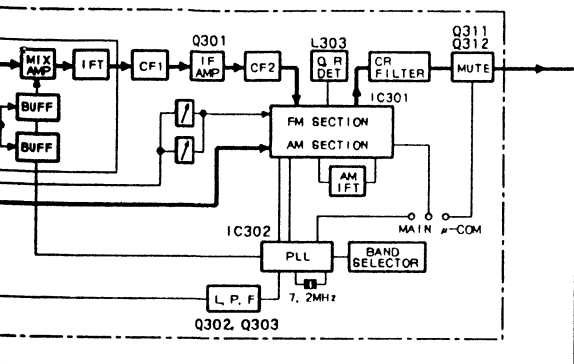


X32-

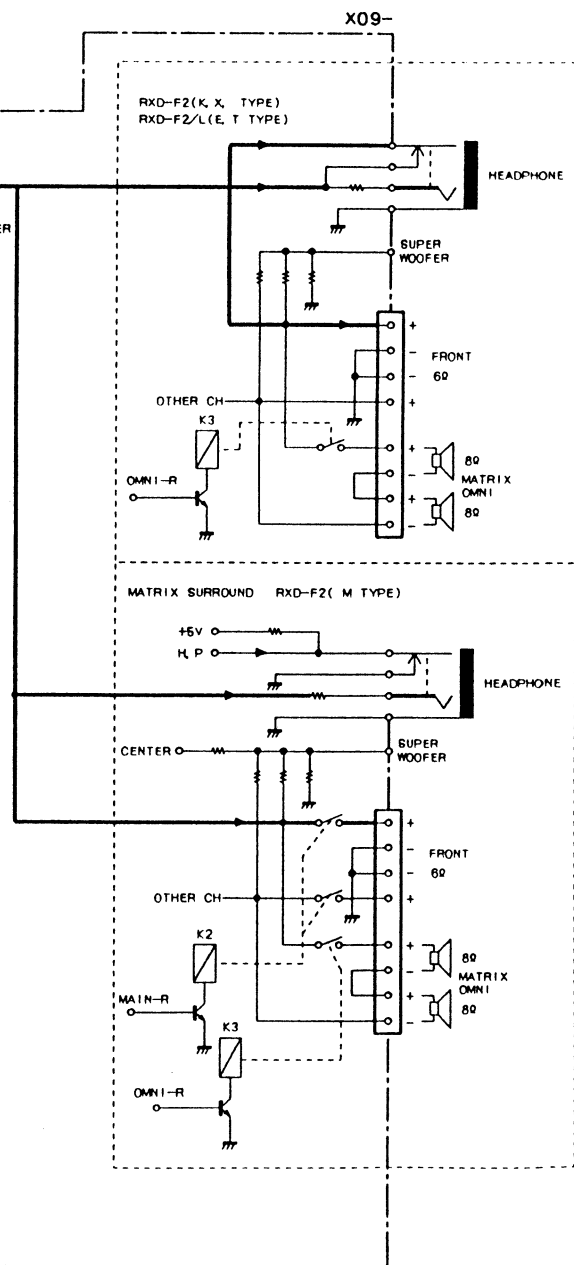
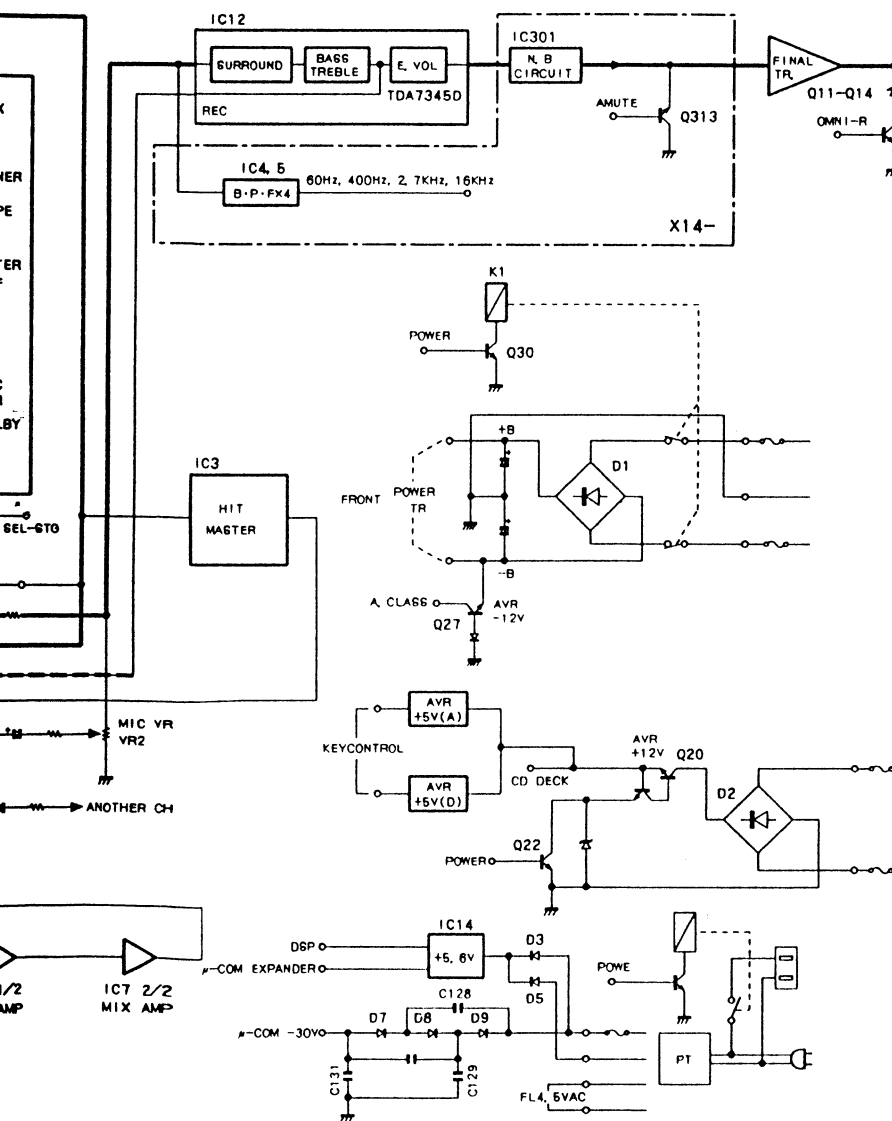


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CK DIAGRAM



SPEAKERS	OUTPUT
FRONT	13.4V/60
OMNI/SURROUND	5.7V/80



RXD-F2(K)

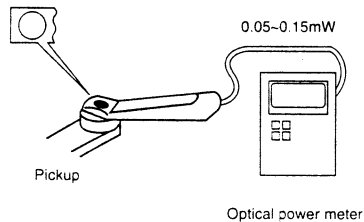
ADJUSTMENT

CD section

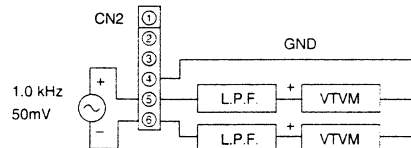
No.	ITEM	INPUT SETTING	OUTPUT SETTING	PLAYER SETTING	ALIGNMENT POINT	ALIGN FOR	FIG.
1	LASER POWER	-	Set the sensor section of the optical power meter on the pickup lens.	Press CD key and turn the power on to enter the test mode. Press the "REPEAT" key to check that the display is "03".	-	On the power from 0.05 to 0.15mw, when the diffraction grating is correctly aligned with the RF level of 0.8Vp-p or more	(a)
2	TRACKING ERROR BALANCE	Test disc Type 4	Connect an oscilloscope as follows. CH1: RF (CN2-1) CH2: TE (CN2-6)	Load disc and set to test mode. Confirm the display is "03".	TE BALANCE VR3	Symmetry between upper and lower or DC=0=0.05V	
3	FOCUS ERROR BALANCE	Test disc Type 4	Connect an oscilloscope as follows. CH1: RF (CN2-1) CH2: TE (CN2-6)	Press the PLAY key. Confirm that the display is "05"	FE BALANCE VR4	Optimum eye pattern	
4	TRACKING GAIN	Test disc Type 4 Apply signal of 1.0kHz, 50mVrms to CN2 pin 5-6.	Connect a LPF to CN2 pin 5-6 to which connect an oscilloscope or AC voltmeters.	Press the PLAY key. Confirm that the display is "05"	TRACKING GAIN VR1	Two VTVMs should read the same value.	(e)

Note:
Type 4 disc : SONY YEDS-18 Test Disc or equivalent.
LPF : Around 47k Ω + 390pF or so.
Step 1 ~ 5 are in Test Mode.

(a) Laser Power



(e) Tracking Gain Adj.

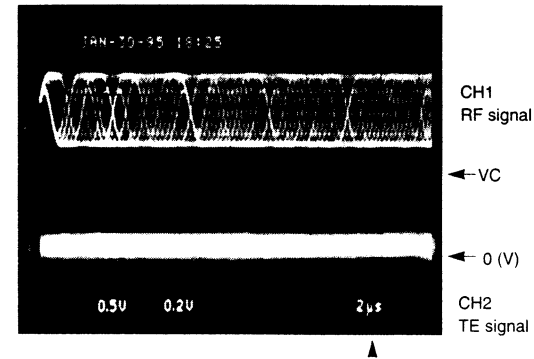


CD test mode input method : While depressing the CD key, plug the power cord into an AC power outlet.

NO.	KEY	OPERATION	TRACK NO. DISPLAY
1	PLAY	Clamp DISC 1 1. FOCUS SERVOON 2. TRACKING SERVOON 3. FEED SERVOON	05
2	REPEAT	1. FOCUS SERVOON 2. TRACKING SERVOOFF 3. FEED SERVOOFF	03
3	DISC1	PLAY T NO.16	16
4	STOP		01
5	DISC2	SELECTED DISC1, SHIPMENT POSITION.	

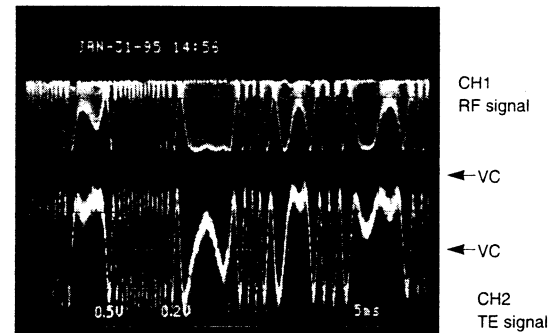
ADJUSTMENT

FIG. (b)



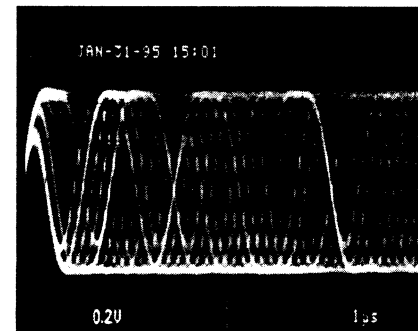
● RF signal and TE signal in test mode (PLAY).

FIG. (c)



● RF signal and TE signal in test mode (Focusing servo ON / Tracking servo OFF). (Disc Type 4)
● Adjust TE signal so that the waveform is symmetrical in relation to VC. VR 3 (TE BALANCE)

FIG. (d)

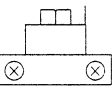


● RF signal in test mode (PLAY).
● Perform the tangential and focusing offset are focused into one point on the display. The crossing points above and below the center shall also be looked clearly.

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ADJUSTMENT

Cassette Deck section

No	ITEM	INPUT SETTING	OUTPUT SETTING	DECK SETTING	ALIGNMENT POINT	ALIGN FOR	FIG.
Unless otherwise specified, set the respective switches as follows: TAPE : NORMAL DOLBY : OFF REC OUT : Lch (X28,CN5 ① pin), Rch (X28,CN5 ④ pin) Cassette mechanism unit (Adjustment of the REC / PLAY head)							0dBs=0.775V
1)	Demagnetization and cleaning	—	—	Power : OFF Demagnetization, cleaning, PLAY	Recording head, erase head, capstan pinch roller	Demagnetize the REC / PLAY head with the head eraser. Clean the REC / PLAY head, erase head, capstan and pinch roller using a cotton swab slightly damped with alcohol.	
2)	Azimuth of the REC/PLAY head	SCC-1727 TCC-153 MTT-114 10kHz, -10dB	(B)	PLAY	 FWD RVS	Adjust the output to maximum and adjust the azimuth adjustment screw for the Lissajours waveform pattern of the oscilloscope to become close to a 45° straight line.	
II PC BOARD ADJUSTMENT							
1)	TAPE SPEED(NORMAL)	TCC-110 MTT-111 SCC-1727 3kHz	(B)	PLAY	VR52	Adjust the tape speed so that 3kHz is obtained at the center of the tape.	
III PC BOARD ADJUSTMENT							
1)	PLAYBACK LEVEL	MTT-150 400Hz	(B)	PLAY	A DECK VR 1(L) VR 2 (R) B DECK VR 3 (L) VR 4 (R)	Adjust the playback output to -2.0dBs	
		MTT-256, SCC-1727 315Hz				Adjust the playback output to -6.0dBs	
		MTT-256U, TCC-160 315Hz				Adjust the playback output to -3.0dBs	
2)	BIAS CURRENT	Adjust the AG for the output of the DECK to become 400Hz -23dBs. 400Hz/12.5kHz, (AC-223)	(B)	REC ▲ PLAY	VR5 (L) VR6(R)	Record 400Hz and 12.5kHz alternately, and adjust the bias current adjustment potentiometer for the playback levels to become the +3dB.	

RXD-F2/L

ADJUSTMENT

TUNER section

K.P.M.X.R, I Type (X09-)

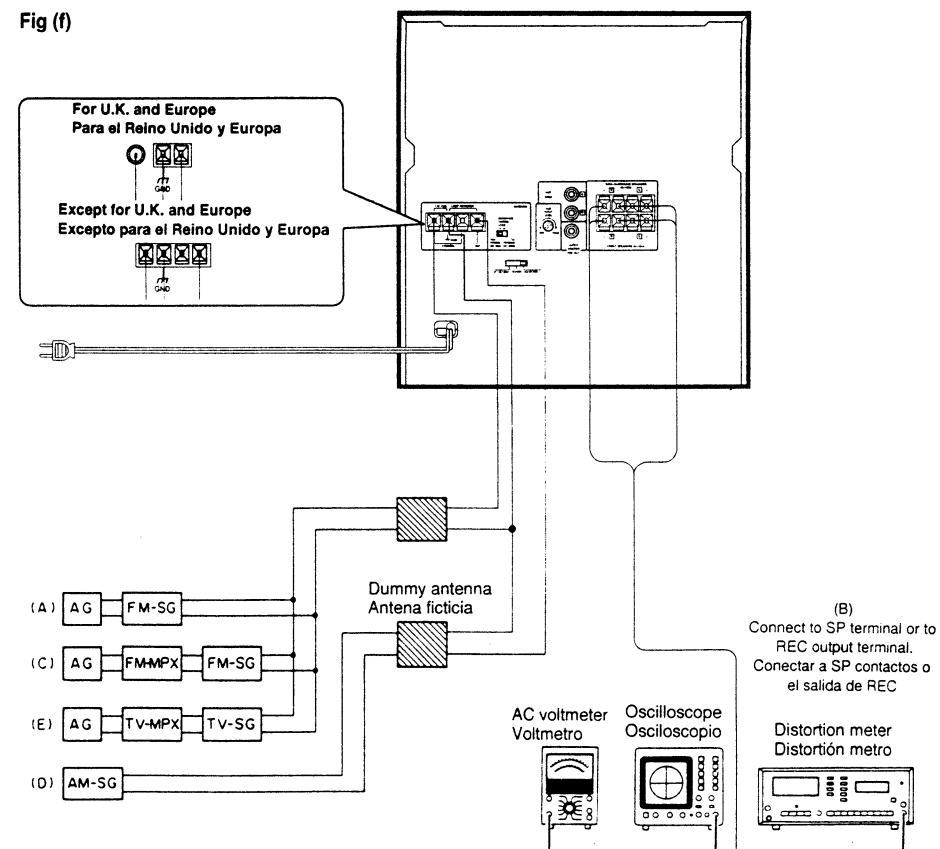
No.	ITEM	INPUT SETTING	OUTPUT SETTING	TUNER SETTING	ALIGNMENT POINTS	ALIGN FOR	FIG.
FM SECTION		BAND : FM					
1	DISTORTION (STEREO)	(C) 98.0MHz 1kHz, ±68.25 kHz dev Pilot : ±7.5kHz dev 60 dBμ(Ant input)	(B)	AUTO 98.0MHz	IFT (W02-)	Minimum distortion.	(f)

E.T.G Type (X09-)

No.	ITEM	INPUT SETTING	OUTPUT SETTING	TUNER SETTING	ALIGNMENT POINTS	ALIGN FOR	FIG.
FM SECTION		BAND : FM					
1	DISCRIMINATOR	(A) 98.0MHz 1kHz, ±75 kHz dev 60 dBμ(Ant input)	Connect a DC voltmeter between TP 303 and TP 304. (X09-)	AUTO or MONO 98.0MHz	L3 (X09-)	0V	(f)
2	DISTORTION (STEREO)	(C) 98.0MHz 1kHz, ±68.25 kHz dev Pilot : ±7.5kHz dev 60 dBμ(Ant input)	(B)	AUTO 98.0MHz	IFT (W02-)	Minimum distortion.	(f)

ADJUSTMENT

Fig (f)



REC output : for X28 L ch, connect CN 5 pin 1 ;
for X28 R ch, connect CN5 pin 4.

Salida de REC : X28 canal izp., Conectar CN 5
contactos n° 1 a masa.
X28 canal dch., Conectar CN 5
contactos n° 4 a masa.

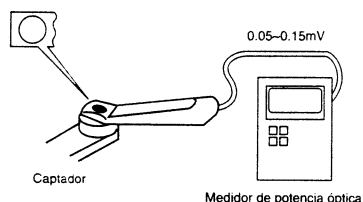
AJUSTES

AJUSTES

CD seccion

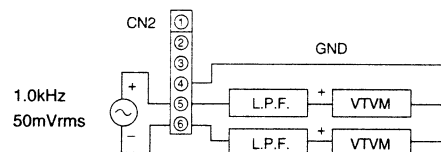
No.	ITEM	AJUSTE DE ENTRADA	AJUSTE DE SALIDA	AJUSTE DE REPRODUC- TOR	PUNTO DE ALINEACION	ALINEAR PARA	FIG.
1	FUERZA LASER	-	Ajuste la sección de sensor sobre el medidor de potencia ótica sobre el lente de captacion.	Cortocircuite las espigas TEST y conectar la fuerza para entrar al modo de prueba. Oprima el botón "REPEAT" para revisar que el visualizador esté en "03"	-	Sobre la fuerza de 0.05 a 0.15mW, cuando la rejilla de difracción está correctamente alineada con el nivel de RF de 1.0Vp-p o mayor.	(a)
2	EQUILIBRIO DE ERROR DE RASTREO	Disco de prueba Tipo 4	Conecta un osciloscopio como sigue: CH1: RF(CN2-1) CH2: TE(CN2-6)	Cargue disco y ponga al modo de prueba. Confirme que el visualizador está en "03"	EQUILIBRIO DE TE VR 3	Simetría entre superior e inferior, ó CC = 0±0.05V	
3	EQUILIBRIO DE ERROR DE POCO	Disco de prueba Tipo 4	Conecte un osciloscopio como sigue: CH1: RF(CN2-1) CH2: TE(CN2-6)	Oprima el botón PLAY. Confirme que el visualizador está en "03".	EQUILIBRIO DE FE VR 4	Optimice el patrón de ojo.	
4	GANANCIA DE RASTREO	Disco de prueba Tipo 4 Aplique la señal de 1.0 kHz, 50mVrms a espigas 5-6 de CH.	Conecte un LPF a espigas 5-6 de CH, a que conecte un osciloscopio o voltímetro de CA.	Oprima el botón PLAY. Confirme que el visualizador está en "05".	GANANCIA DE RASTREO VR1	Dos VTVMs deberán indicar el mismo valor.	(e)

(a) Fuerza de Láser



(e) Ajuste de Ganancia de Rastreo

Ajuste de ganancia de rastreo.



Ajuste del Modo de Prueba: insertar la clavija AC en la salida de CA presionando el botón CD.

NO.	Botón	Función	Indicación NO. Pista
1	PLAY	Fijar el Disco 1 1. FOCUS SERVO.....ON 2. TRACKING SERVO.....ON 3. FEED SERVO.....ON	05
2	REPEAT	1. FOCUS SERVO.....ON 2. TRACKING SERVO.....OFF 3. FEED SERVO.....OFF	03
3	DISC1	Se inicia el PLAY a partir del Tno. 16	16
4	STOP	Parada	01
5	DISC2	Seleccionar el Disco 1 para ponerlo en el estado de despacho	-

Cassette Deck seccion

Orden	Item	Ajuste de entrada	Ajuste de salida	Ajuste de la Deck	Puntos de ajuste	Método de ajuste	Fig.
A menos que se indique lo contrario, ajustar los interruptores respectivos de la manera siguiente: TAPE: NORMAL DOLBY: OFF INPUT: AUX REC OUT: IZQ. (X28, CN5 ① PIN), DCH. (X28, CN5 ④ PIN) I. Sección del mecanismo de la cassette (ajuste de la cabeza de grabación/reproducción)							
1	Desmagnetización y limpieza	—	—	Alimentación: apagado, desmagnetización, limpieza, reproducción	Cabezas de grabación, cabezas de borrado, ejes de arrastre, rodillos presores	Desmagnetizar las cabezas de grabación/reproducción con un borrador de cabezas. Limpiar las cabezas de grabación/reproducción, cabezas de borrado, ejes de arrastre y rodillos presores con un bastoncillo de algodón humedecido en alcohol.	
2	Acimut de la cabeza de grabación/reproducción	SCC-1727, TCC-153, MTT-144, 10kHz, -10dBs	(B)	REPRODUCCIÓN (PLAY)	 FWD RVS	Maximizar la salida y ajustar de manera que la forma de Lissajous se aproxime a una línea inclinada 45°	
II. Ajuste de la tarjeta de circuito impreso							
1	Velocidad de la cinta (normal)	SCC-1727, TCC-110, MTT-111, 3kHz	(B)	REPRODUCCIÓN (PLAY)	VR52	Ajustar de manera que la frecuencia sea de 3 kHz en el centro de la cinta.	
III. Ajuste de la tarjeta de circuito impreso (X28-2620-00)							
1	Nivel de reproducción	MTT-150 400Hz MTT-256, SCC-1727 315Hz MTT-256, TCC-160 315Hz	(B)	REPRODUCCIÓN (PLAY)	PLATINA A: VR 1 (IZQ.) VR 2 (DCH.) PLATINA B: VR3 (IZQ.) VR4 (DCH.)	Nivel de salida: -2.0 dB Nivel de salida: -6.0 dB Nivel de salida: -3.0 dB	
2	Corriente de polarización	Ajustar el AG de tal manera que la salida del chasis sea de -23 dBs en 400 Hz.	(B)	GRABACIÓN (REC) ↕ REPRODUCCIÓN (PLAY)	PLATINA B: VR7 (IZQ.) VR8 (DCH.)	Hacer la grabación en forma alterna en 400 Hz y 2.5 kHz, y ajustar el volumen de regulación de corriente de polarización de tal manera que el nivel de reproducción en 12.5 kHz sea mayor por +3dB que en caso de 400Hz.	

RXD-F2/L

AJUSTES

TUNER sección

Tipo M.X.R, I (X09-)

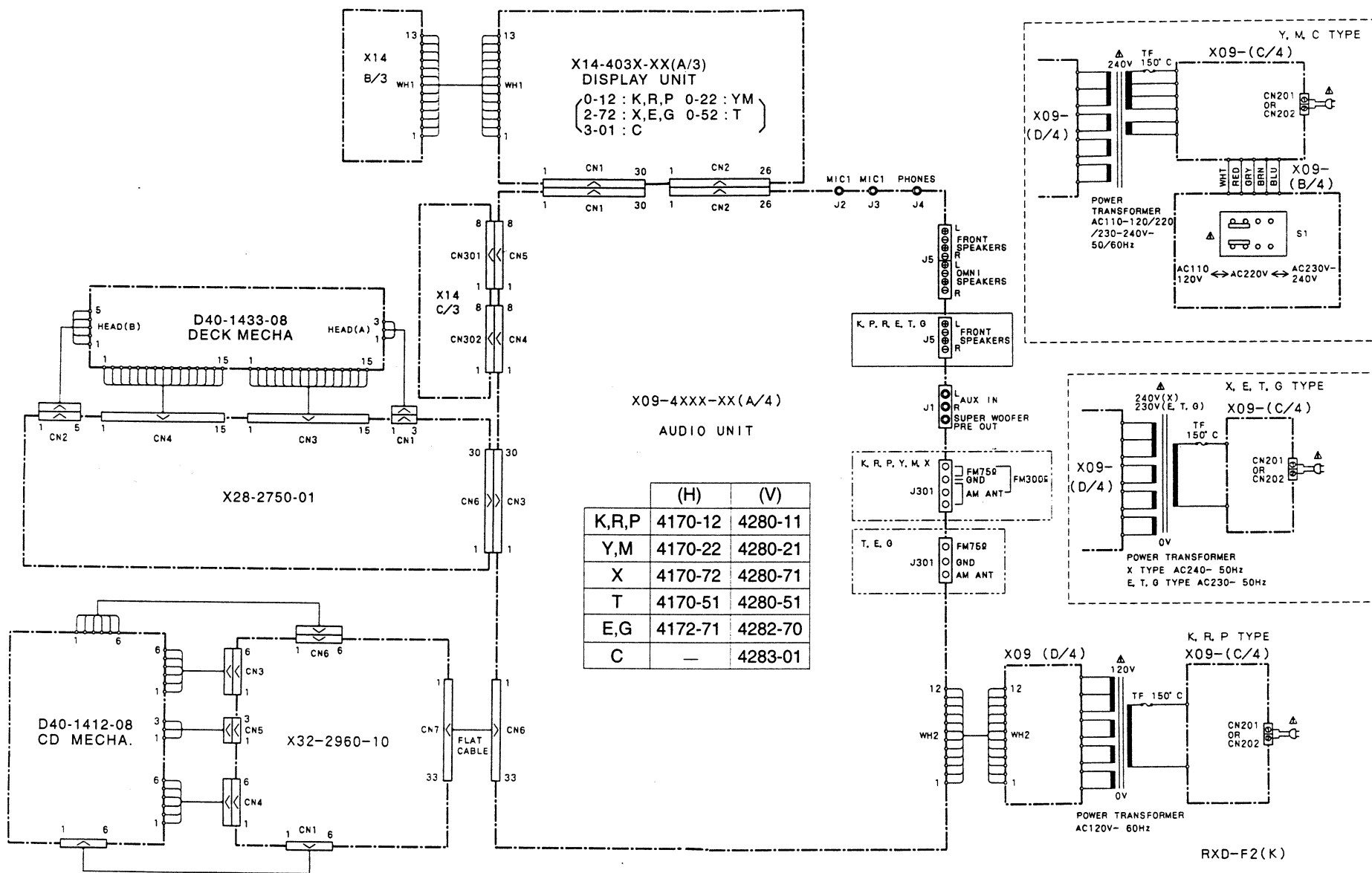
No	ITEM	AJUSTES DE ENTRADA	AJUSTES DE SALIDA	AJUSTES DEL SINTONIZADOR	PUNTOS DE CALIBRACIÓN	CALIBRAR EN	FIG.
SECCIÓN DE FM		BANDA: FM					
1	DISTORSIÓN (ESTÉREO)	(C) 98,0 MHz 1 kHz, $\pm 68,25$ kHz desv. Piloto: $\pm 7,5$ kHz desv. 60 dB μ (entrada ANT)	(B)	AUTO 98,0 Mhz	IFT (W02-)	Distorsión mínima	(f)

Tipo E.T.G (X09-)

No	ITEM	AJUSTES DE ENTRADA	AJUSTES DE SALIDA	AJUSTES DEL SINTONIZADOR	PUNTOS DE CALIBRACIÓN	CALIBRAR EN	FIG.
FM SECTION		BAND : FM					
1	DISCRIMINADOR	(A) 98,0 MHz 1 kHz, ± 75 kHz desv. 60 dB μ (entrada ANT)	Conectar un voltímetro de CC entre TP 303 y TP 304. (X05-)	AUTO o MONO 98,0 MHz	L307 (X09-)	0V	(f)
2	DISTORSIÓN (ESTÉREO)	(C) 98,0 MHz 1 kHz, $\pm 68,25$ kHz desv. Piloto: $\pm 7,5$ kHz desv. 60 dBm (entrada ANT)	(B)	AUTO 98,0 MHz	IFT (W02-)	Distorsión mínima	(f)

WIRING DIAGRAM

RXD-F2



A

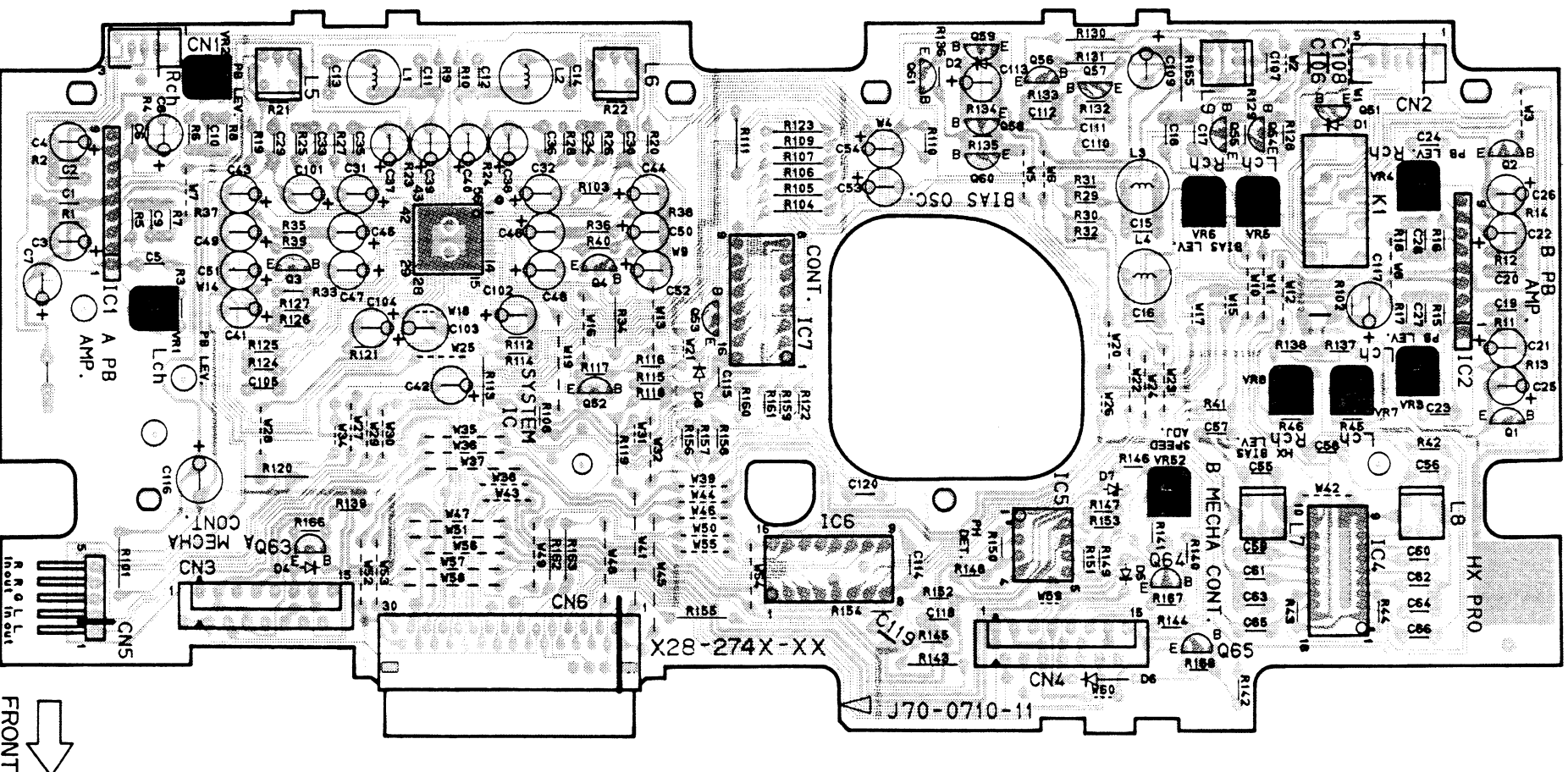
B

C

D

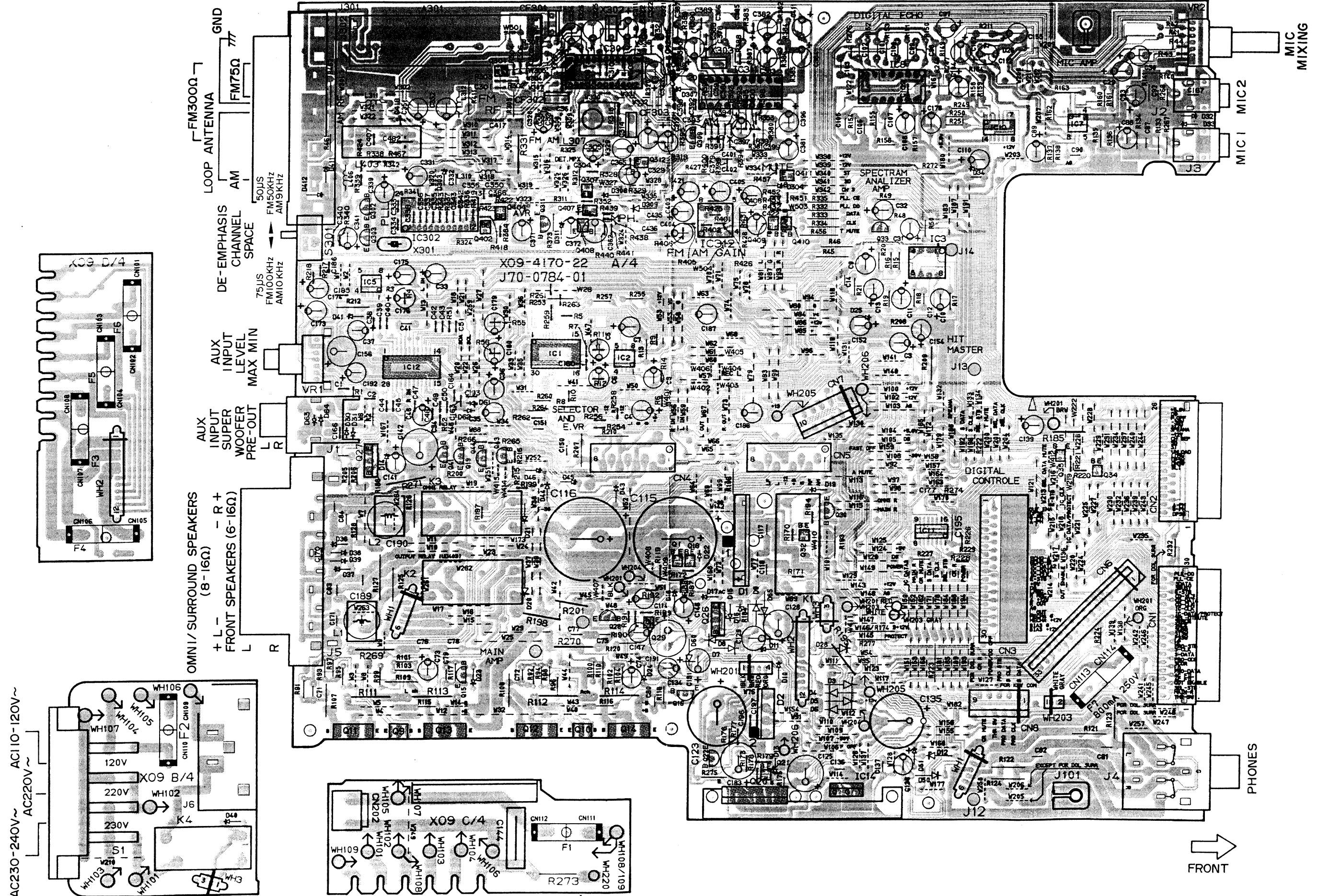
E

PC BOARD(COMPONENT SIDE VIEW) CASSETTE DECK UNIT(X28-2750-01)

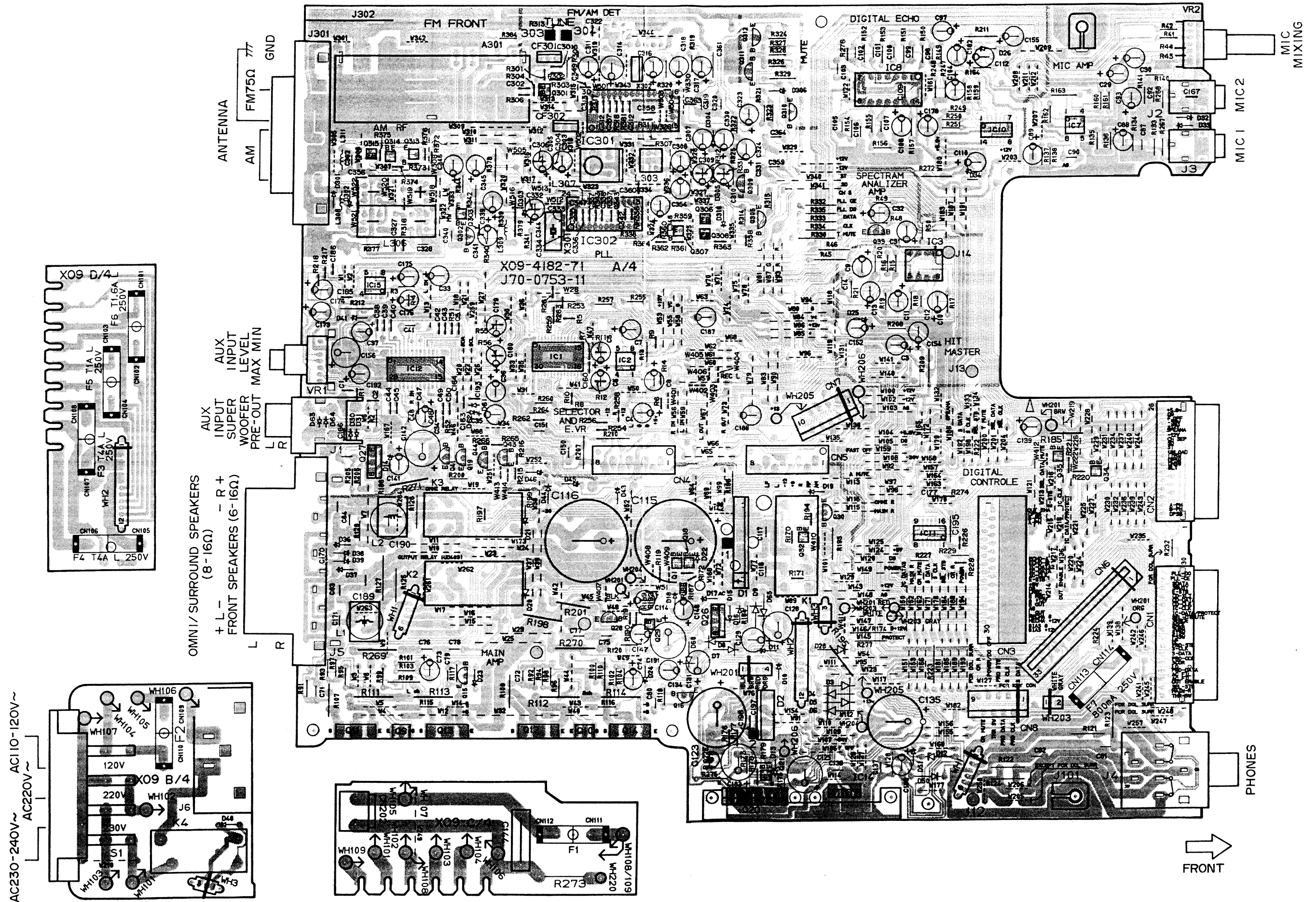


Refer to the schematic diagram for the value of resistors and capacitors.

PC BOARD (COMPONENT SIDE VIEW) AUDIO UNIT (X09-) : K,R,P,Y,M,X type

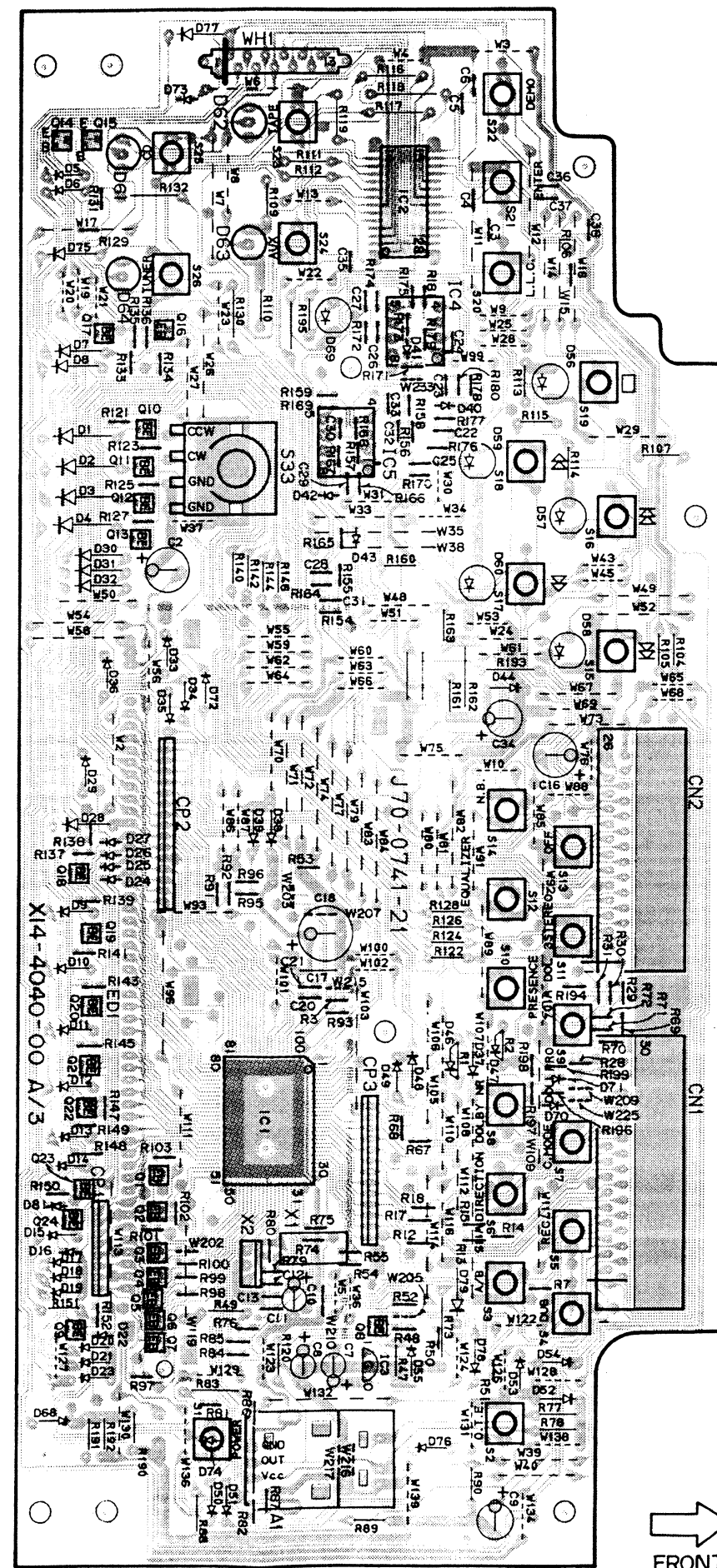
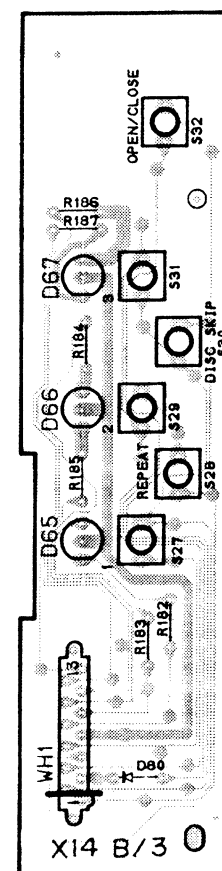
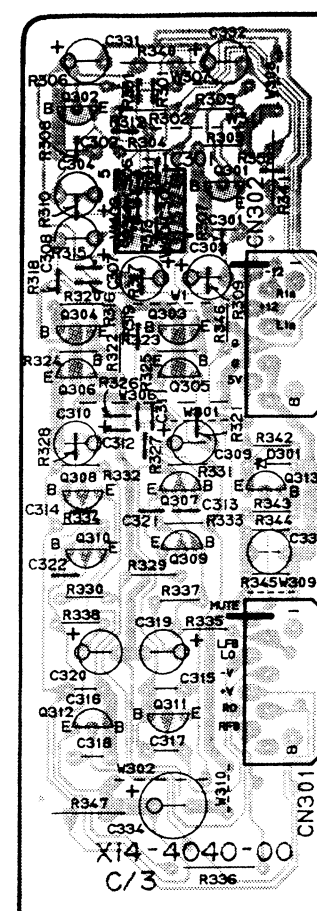


PC BOARD (COMPONENT SIDE VIEW) AUDIO UNIT (X09-) : T,E,G type



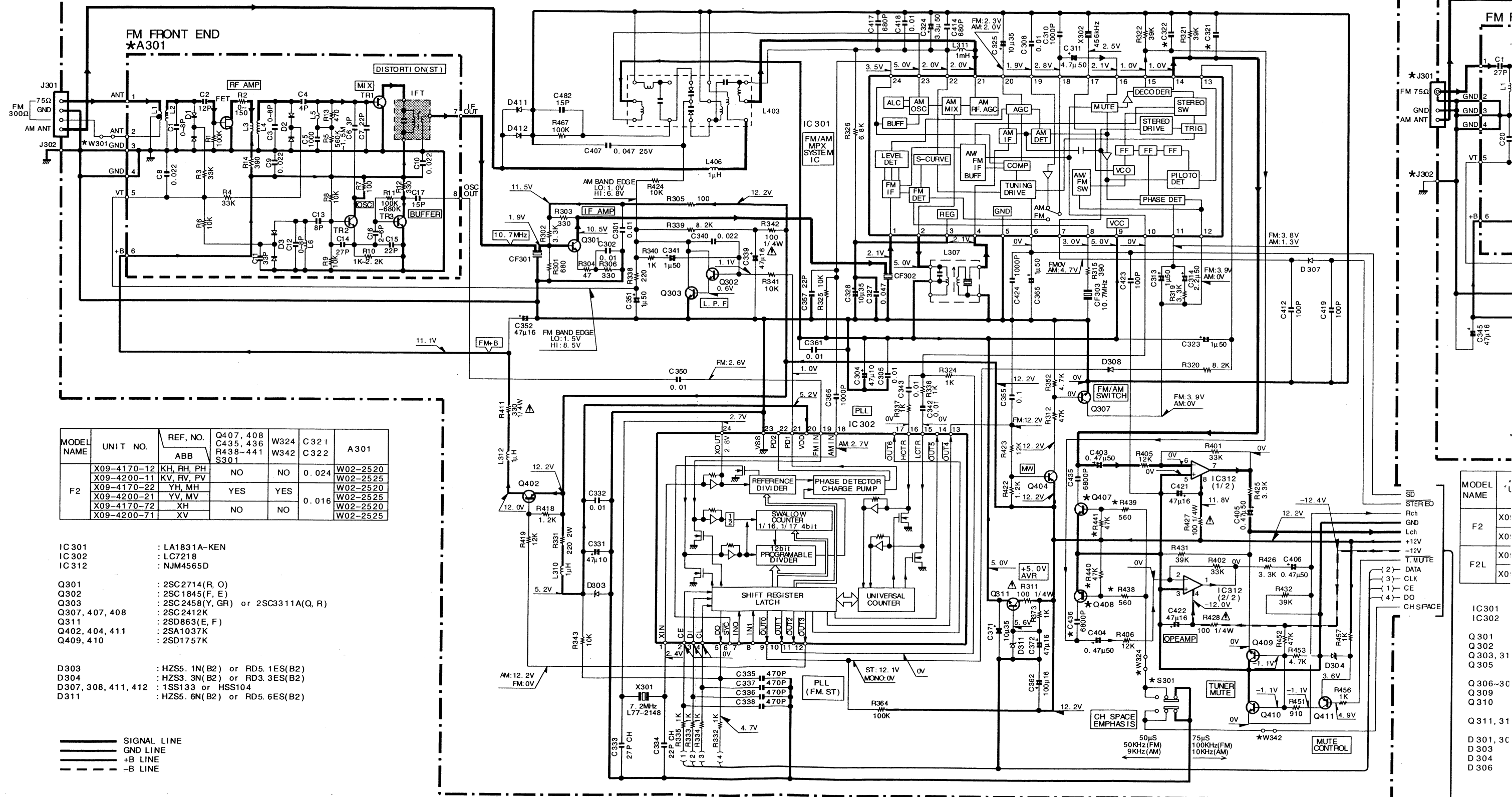
Refer to the schematic diagram for the value of resistors and capacitors.

DISPLAY UNIT (X14-)



Refer to the schematic diagram for the value of resistors and capacitors.

X09-4XXX-XX A/4 TUNER UNIT



CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

Les tensions c.c doivent être mesurées avec un voltmètre à haute impédance. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.

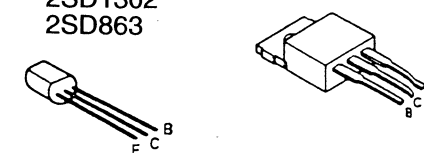
Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U. geringfügig.

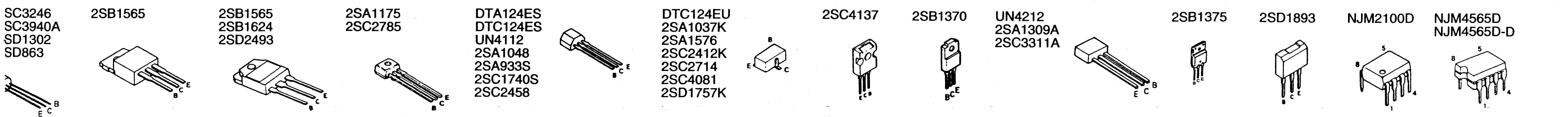
2SA1534A
 2SA954
 2SA992
 2SC1845
 2SC1923
 2SC2003
 2SC2878

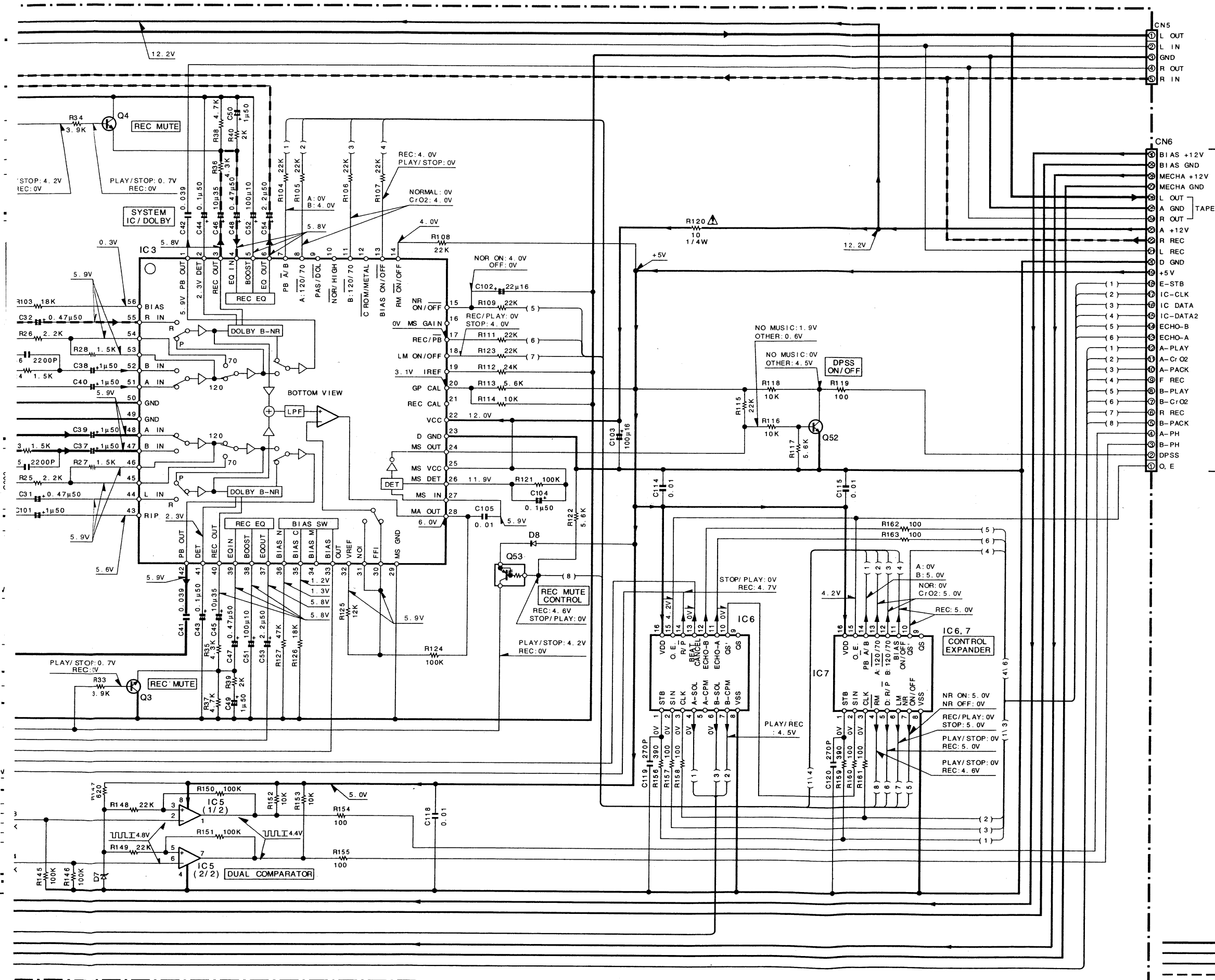
2SC3246
 2SC3940A
 2SD1302
 2SD863

2SB1565

2SB156
 2SB162
 2SD249







CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

DOLBY and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation. Noise reduction circuit made under license from Dolby Laboratories Licensing Corporation.

DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

Les tensions c.c doivent être mesurées avec un voltmètre à haute impédance. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.

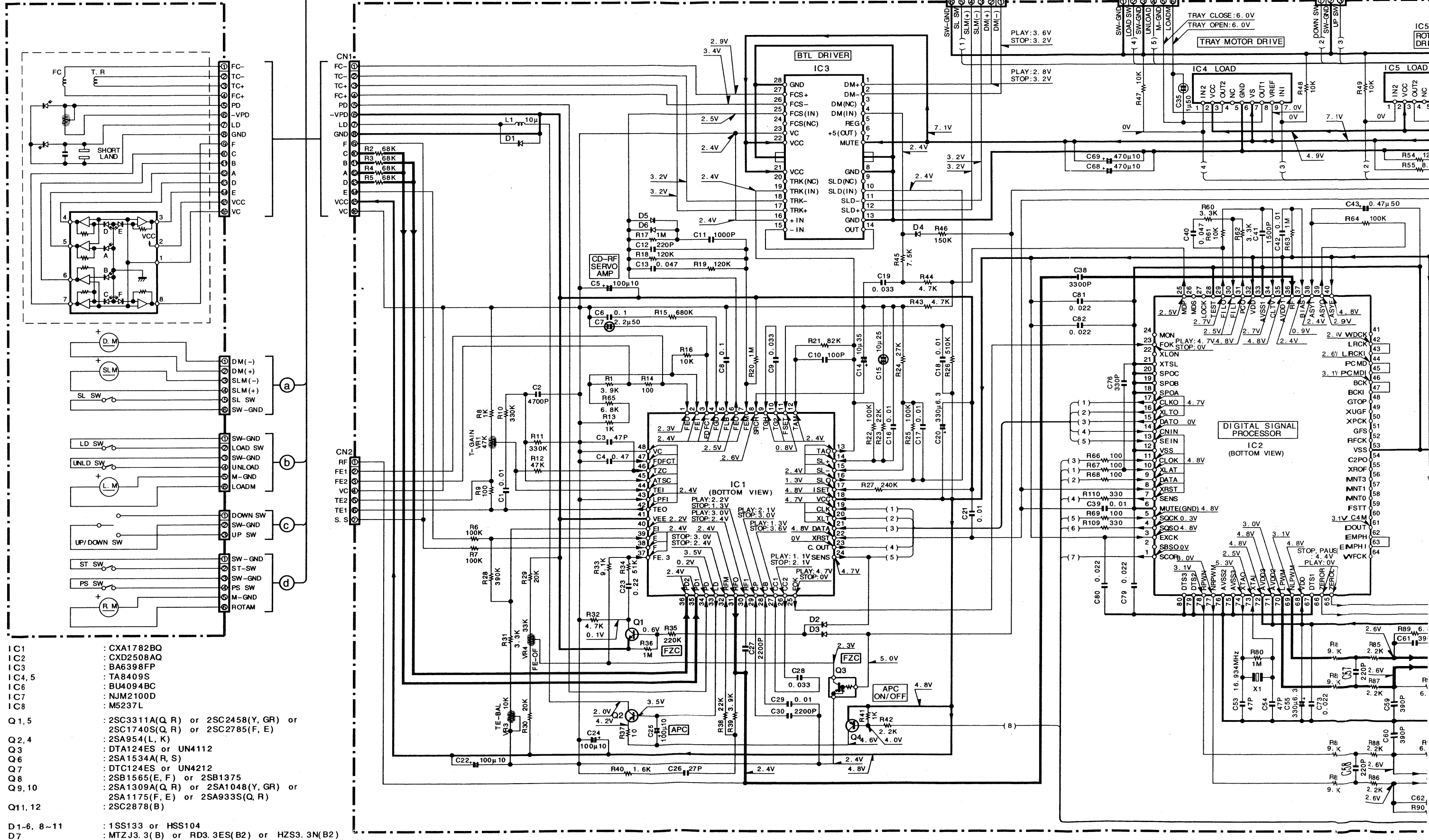
Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U. geringfügig.

TO X09 CN3
(B) 4/5

— SIGNAL LINE
— GND LINE
— +B LINE
— -B LINE

★ CD MECHA D40-1412-08

X32-2960-10 CD PLAYER UNIT



AX

AY

AZ

BA

BB

BC

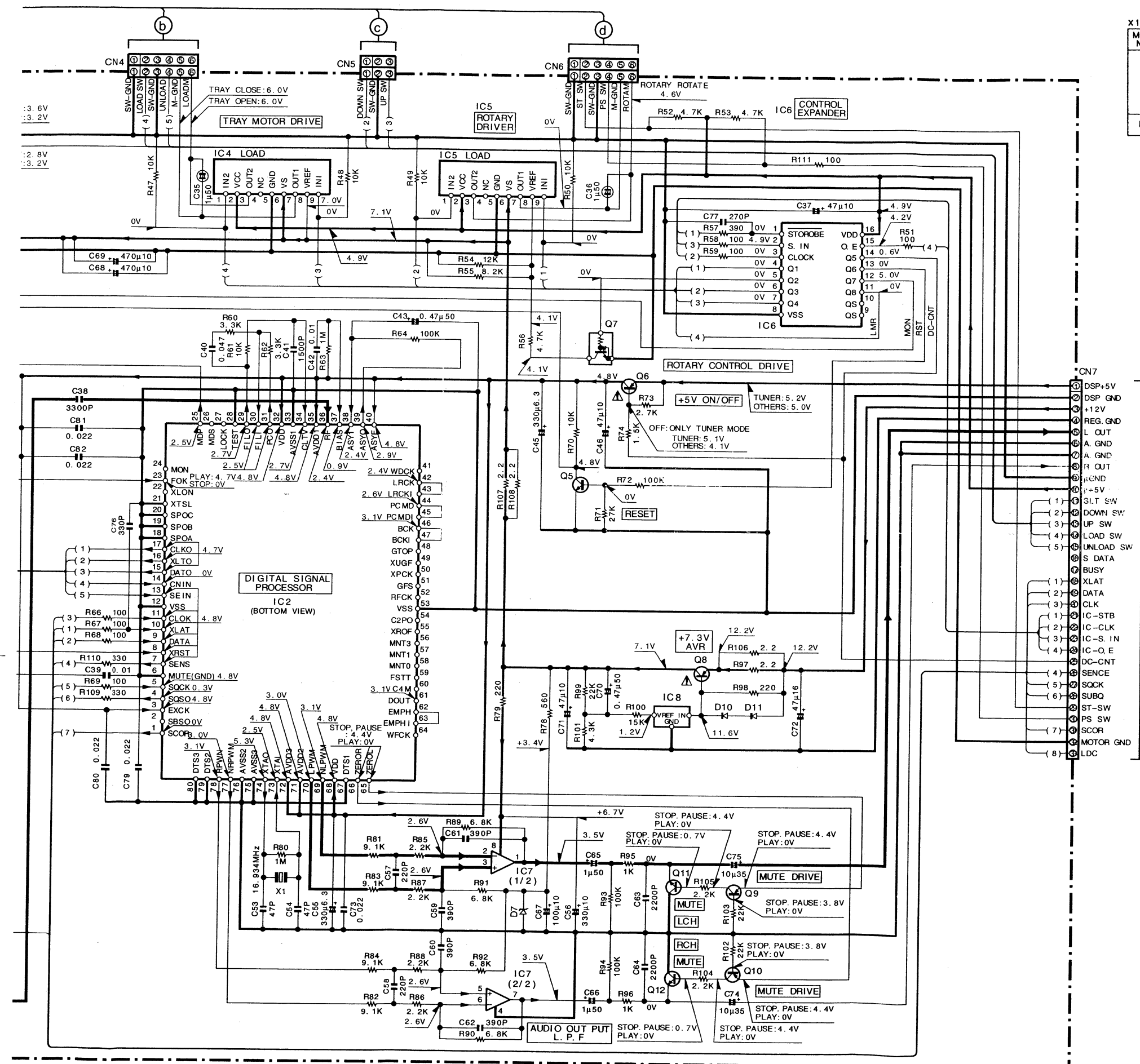
BD

BE

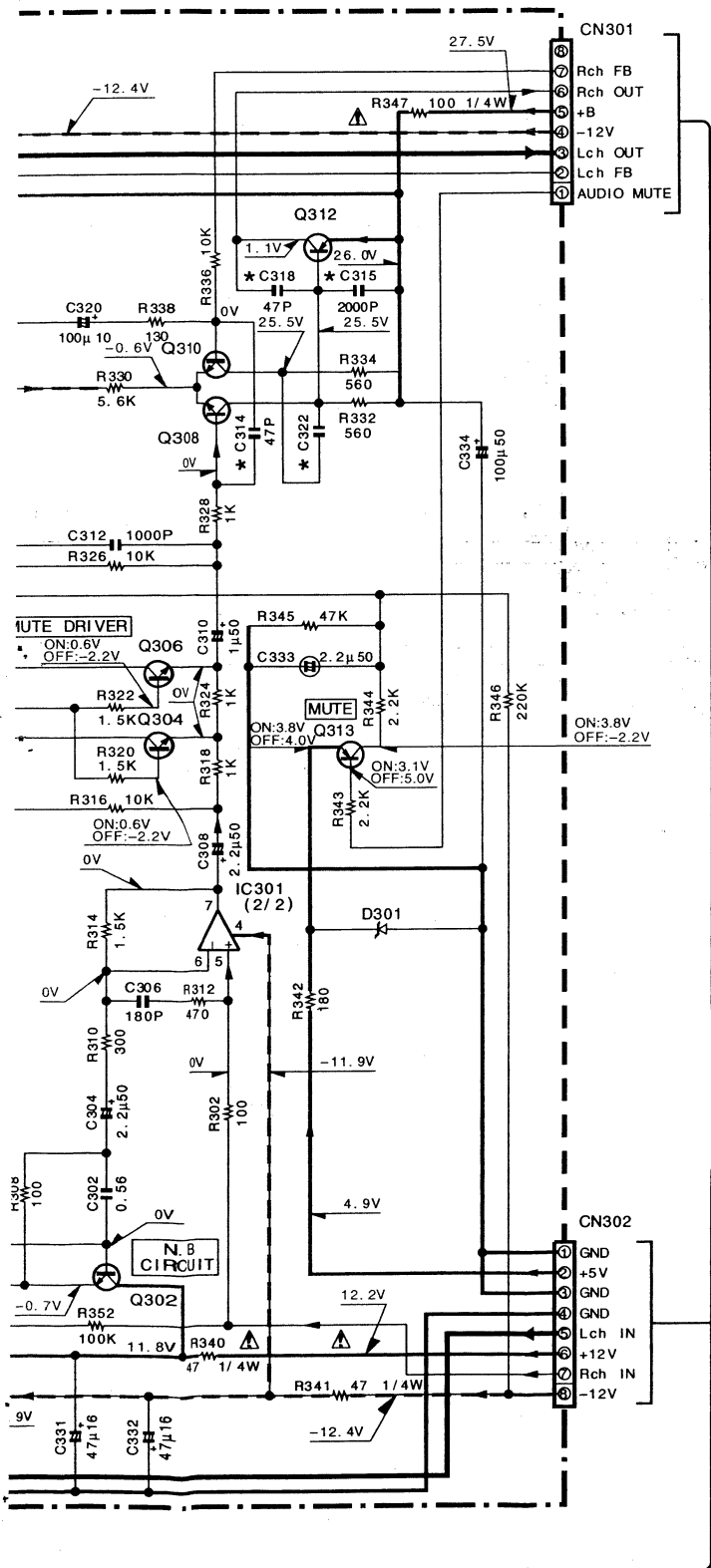
BF

BG

BH



IC301 : NJM4565D-D Q301, 302, 307~310 : 2SC1845(F, E)
 Q303~306 : 2SC2878(B)
 D301 : RD3.9ES(B2) or Q311, 312 : 2SA992(F, E)
 HZS3.9N(B2) Q313 : 2SA1048(Y, GR) or 2SA1309A(Q, R)



CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

Les tensions c.c doivent être mesurées avec un voltmètre à haute impédance. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.

Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U. geringfügig.

TO X09 CN5
 (E) 4/5

TO X09 CN6
 (C) 4/5

TO X09 CN4
 (D) 4/5

— SIGNAL LINE
 — GND LINE
 — +B LINE
 - - - -B LINE

RXD-F2/F2L(3/5) (K)

BL

BM

BN

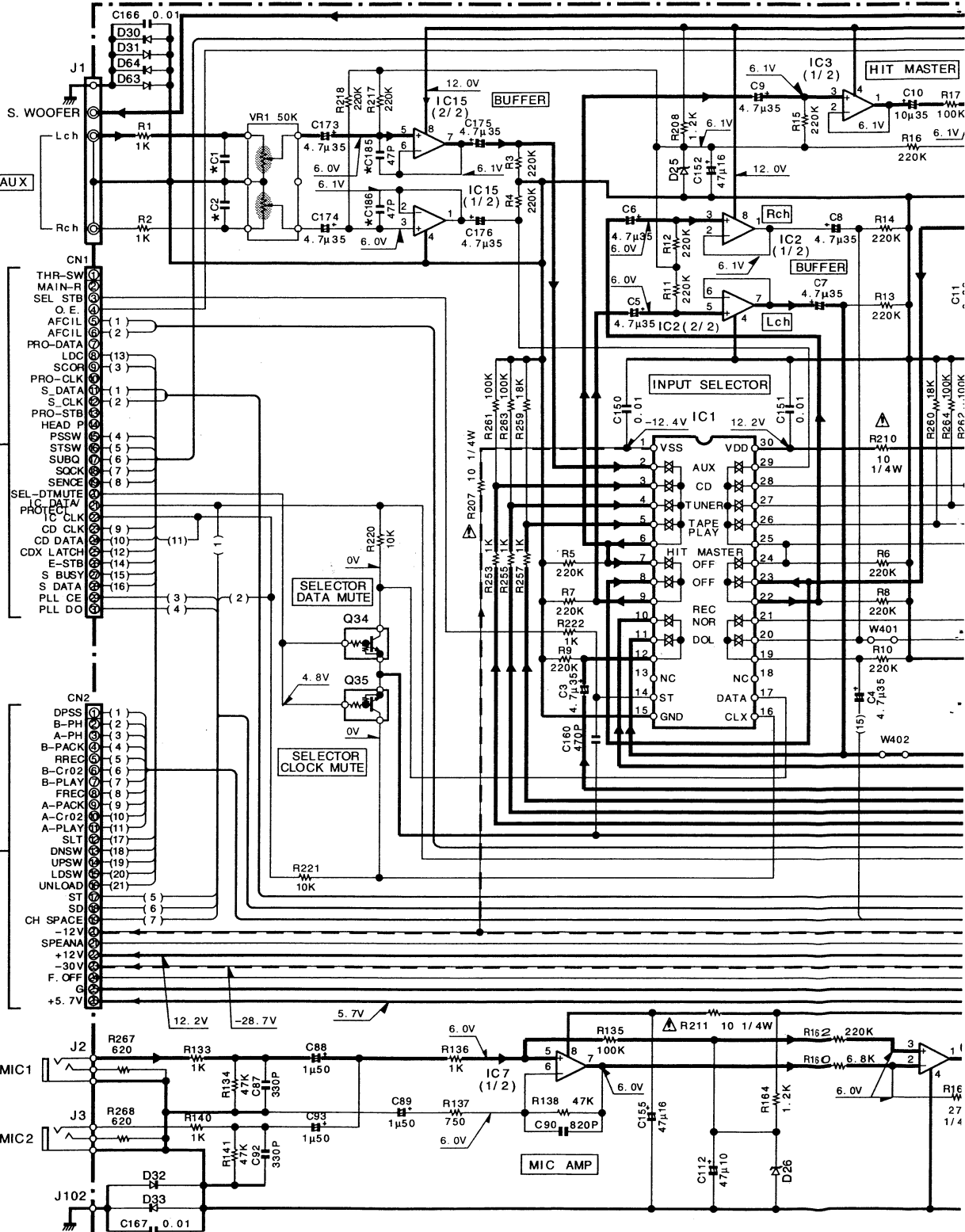
BO

BP

TO X09
TUNER UNIT

1/5 A

X09-4xxx-xx A/4



CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

DC voltages are as measure Values may vary slightly du instruments or/and units.

BO

BP

BQ

BR

BS

BT

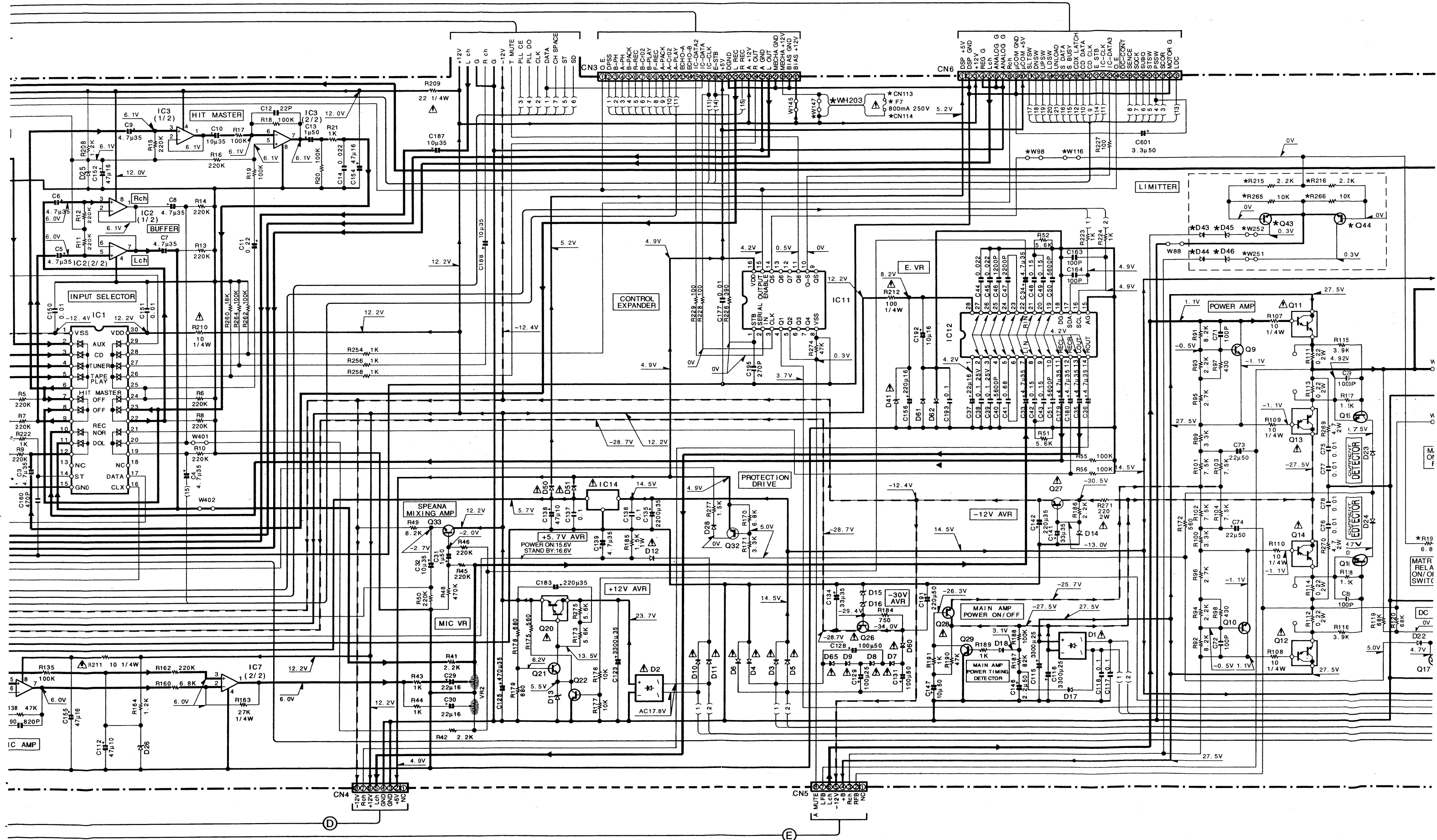
BU

BV

BW

BX

BY

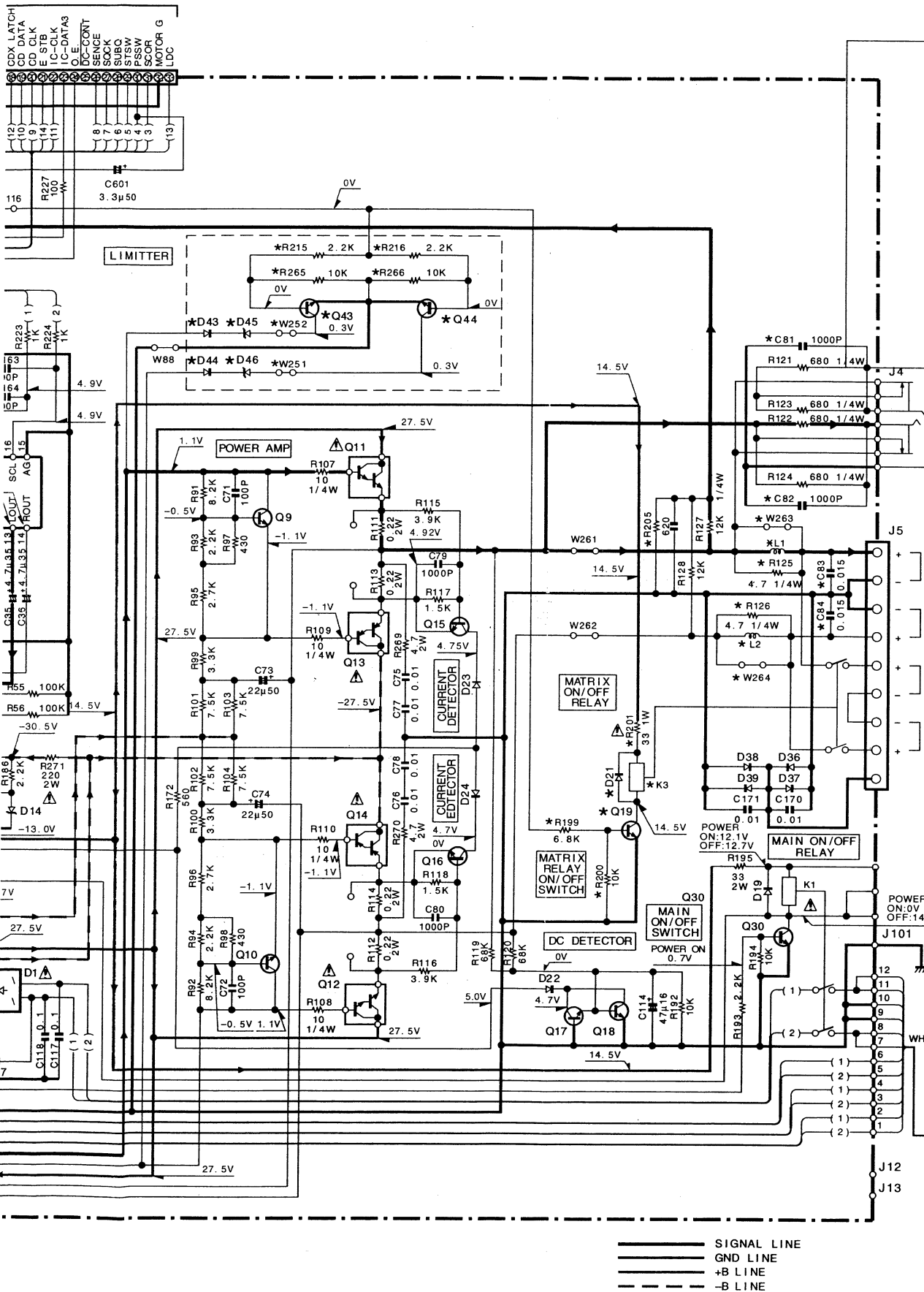


Recommended
electric shock,
ably insulated

DC voltages are as measured with a high impedance voltmeter.
Values may vary slightly due to variations between individual
instruments or/and units.

Les tensions c.c doivent être mesurées avec un voltmètre à haute
impédance Les valeurs peuvent différer légèrement du fait des
variations inhérentes aux appareils et aux instruments de mesure
individuels

Die angegebenen Gleichspannungswerte wurden mit einem
hochohmigen Spannungsmesser gemessen. Dabei schwanken die
Meßwerte aufgrund von Unterschieden zwischen einzelnen
Instrumenten oder Geräten u. U geringfügig.



X09-4xxx-xx																
MODEL NAME	UNIT NO.	REF NO.	D21, K3, Q19, 43, 44, R199~201, 205, R215, 216, 265, R266	C81~84, C185, C186, L1, 2, R125, R126	W263, W264	WH101~WH105, S1	CN113, C114, F7, WH203	W249	J5 E70-xxxx-05	F3, 4	F5	F6	D43~46	W147	C1, 2	C500 WH10
		ABB	W98, W116, 251													
F2	4280-11 4200-11	KV, RV, PV	NO	NO	YES	NO	YES	NO	0032	5A 125V	1.25A 250V	2A 250V	NO	NO	220P	YES
	4170-12	KH, RH, PH														
	4280-21 4200-21	MV, YV	YES			YES	NO	0048				YES				
	4170-22	MH, YH														
	4283-01 4203-01	CV	NO				NO	YES	0032	T4AL 250V	T1AL 250V	T1.6AL 250V	YES			
	4280-71 4200-71	XV														
	4170-72	XH														
	4292-71	GV, EV														
F2L	4212-71		NO	YES	NO			NO				NO			470P	NO
	4182-71	GH, EH														
	4210-51	TV														
	4180-52	TH														

- IC1 : NJU7313AM

IC2, 15 : NJM4565M

IC3 : NJM4565D-D or XRA15218-DX

IC7 : NJM4565MD

IC11 : BU4094BCF

IC12 : TDA7345D

IC14 : TA78057S
- Q9, 10 : 2SC4137(V, W)

Q11, 12 : 2SD2493

Q13, 14 : 2SB1624

Q15, 16, 22, 33 : 2SC2458(Y,GR) or 2SC3311A(Q,R)

Q17, 18, 21 : 2SC4081(R, S)

Q19 : 2SC3246

Q20 : 2SD1893

Q26, 27 : 2SB1370 or 2SB

Q28 : 2SA954(L, K)

Q29, 32 : 2SA1576(R, S)

Q30 : 2SC2003(L, K)

Q34, 35 : DTC124EU or UN5212

Q43, 44 : 2SC1845(F, E)
- D1 : D3SBA20F03 or RBV-402LFA

D2 : KBPO2ML-6127

D3~9, 50, 60, 65 : S5688B or 1SR139-100

D10, 11, 17~19, 21, 23, 24, 28, 32, 33 : 1SS131 or HSS104A

D12, 13 : HZS5.6N(B2) or RD5.6ES(B2)

D14, 15 : HZS13N(B2) or RD13ES(B2)

D16 : HZS16N(B2) or RD16ES(B2)

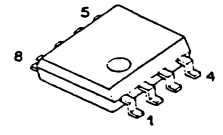
D22, 30, 31, 61~64 : MA111

D25, 26 : HZS6.2N(B2) or RD6.2ES(B2)

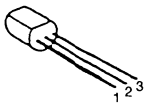
D41 : HZS8.2N(B2) or RD8.2ES(B2)

D45, 46 : RD13ES(B2) or HZS13N(B2)

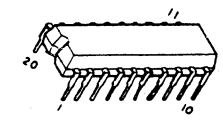
NJM4565M
NJM4565MD



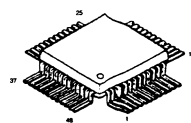
M5237L



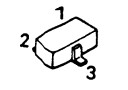
MC13020P



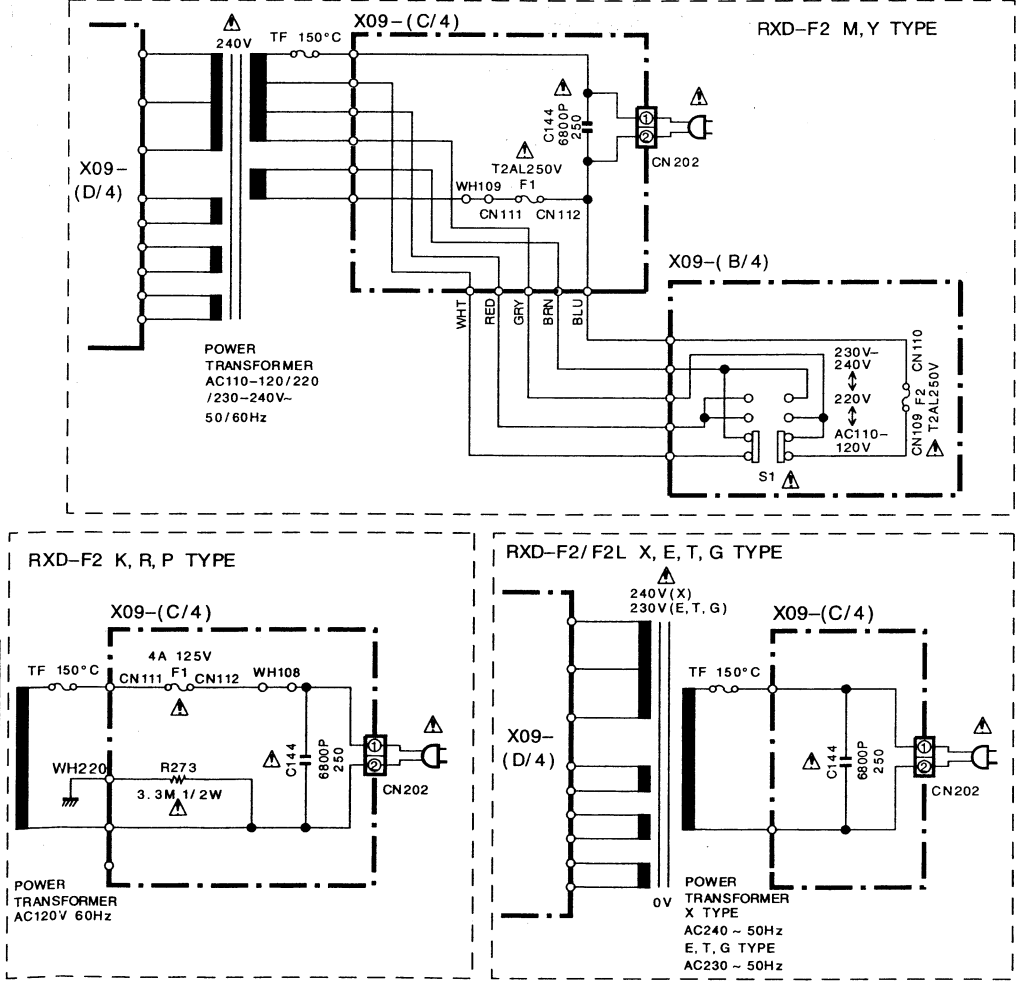
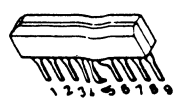
CXA1782BQ



UN52 12



TA8125S
TA8409S

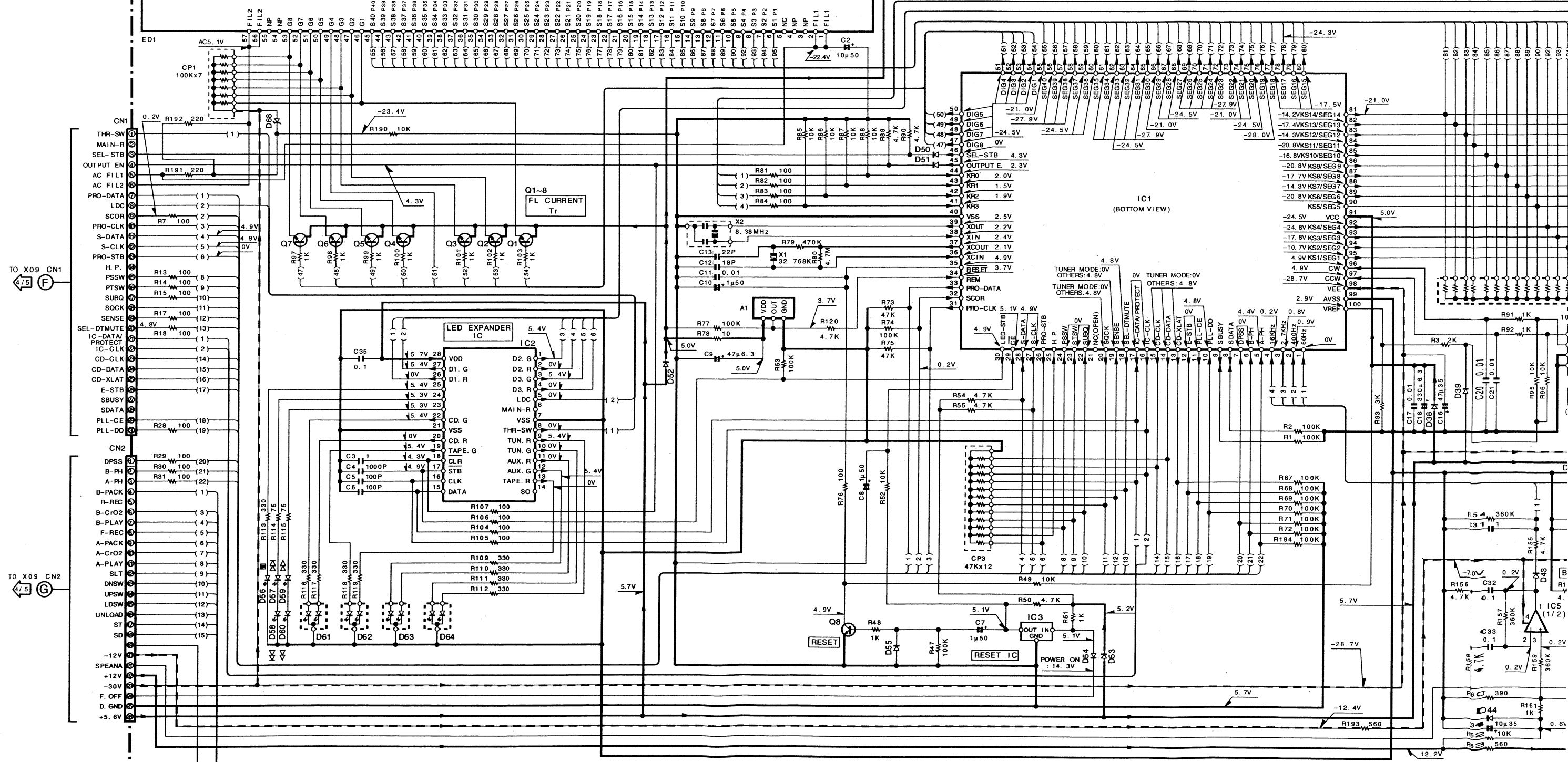
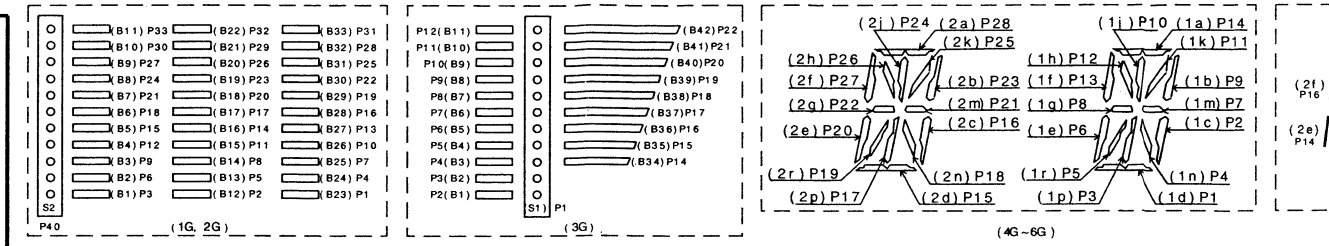


RXD-F2/F2L (4/5) (K)

Y39-2150-11

The diagram illustrates a car stereo control panel with the following components and callouts:

- Preset Buttons (1-6):** Labeled P34, P35, P36, P37, P38, P39, P40, P41, P42, P43, P44, P45, P46, P47, P48, P49, P50, P51, P52, P53, P54, P55, P56, P57, P58, P59, P60, P61, P62, P63, P64, P65, P66, P67, P68, P69, P70, P71, P72, P73, P74, P75, P76, P77, P78, P79, P80, P81, P82, P83, P84, P85, P86, P87, P88, P89, P90, P91, P92, P93, P94, P95, P96, P97, P98, P99, P100.
- Function Buttons:** PRESENCE (P34), PGM (P35), EQ ON (P36), EDIT (P37), DISC (P38), REPEAT (P39), RANDOM (P40), MUTE (P41), VOL (P42).
- Display:** Digital display showing frequency (FM/AM), time, and temperature. Callouts include P1, P2, P3, P4, P5, P6, P7, P8, P9, P10, P11, P12, P13, P14, P15, P16, P17, P18, P19, P20, P21, P22, P23, P24, P25, P26, P27, P28, P29, P30, P31, P32, P33, P34, P35, P36, P37, P38, P39, P40, P41, P42, P43, P44, P45, P46, P47, P48, P49, P50, P51, P52, P53, P54, P55, P56, P57, P58, P59, P60, P61, P62, P63, P64, P65, P66, P67, P68, P69, P70, P71, P72, P73, P74, P75, P76, P77, P78, P79, P80, P81, P82, P83, P84, P85, P86, P87, P88, P89, P90, P91, P92, P93, P94, P95, P96, P97, P98, P99, P100.
- Legend:**
 - ms: milliseconds
 - dB: decibels
 - KHz: kilohertz
 - MHz: megahertz



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X14 A/ 3, B/ 3

IC1 : M38198MC-053FP

IC2 : NJU3718G

IC3 : S-806D-Z or
PST993D-T

IC4, 5 : NJM4565D

Q1~8 : 2SC4081

Q9, 10, 12~24 : 2SA1576

D1, 3~15, 17, : 1SS131 or HSS104A

20, 21,

23, 28~39, 44

50~55, 72

75~80

D16, 22, : MA111

24~27,

40~43,

73, 74

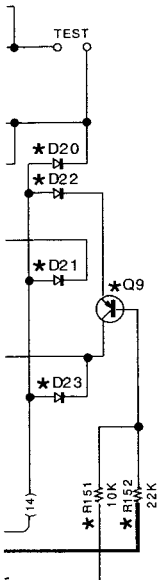
D56~60 : B30-2462-05

D61~67 : B30-2476-05

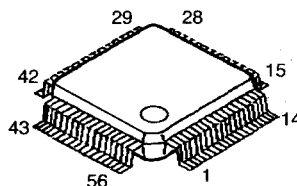
D68 : RD5.1ES(B2) or

HZS5.1N(B2)

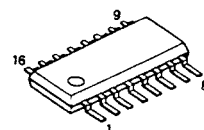
ED1 : BJ344GK or FIP8AMW6R



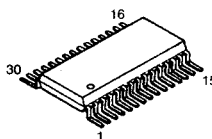
HA12182F



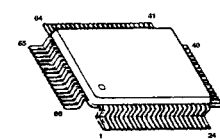
BU4094BCF



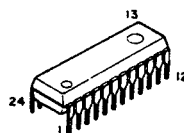
NJU7313AM



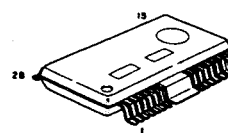
CXD2508AQ



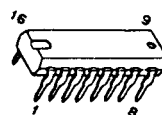
LC7218



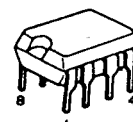
BA6398FP



BU4094BC



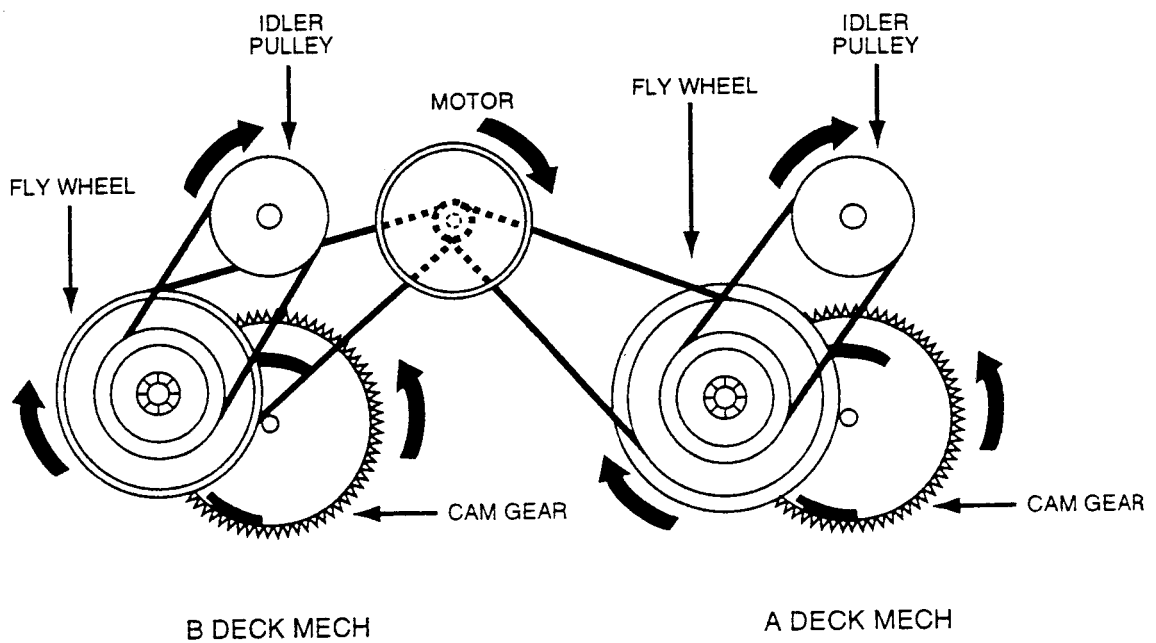
BA10393
XRA15218-DX



RXD-F2/F2L(5/5)(K)

CASSETTE MECHANISM DESCRIPTION

How to drive the double cassette deck with one motor



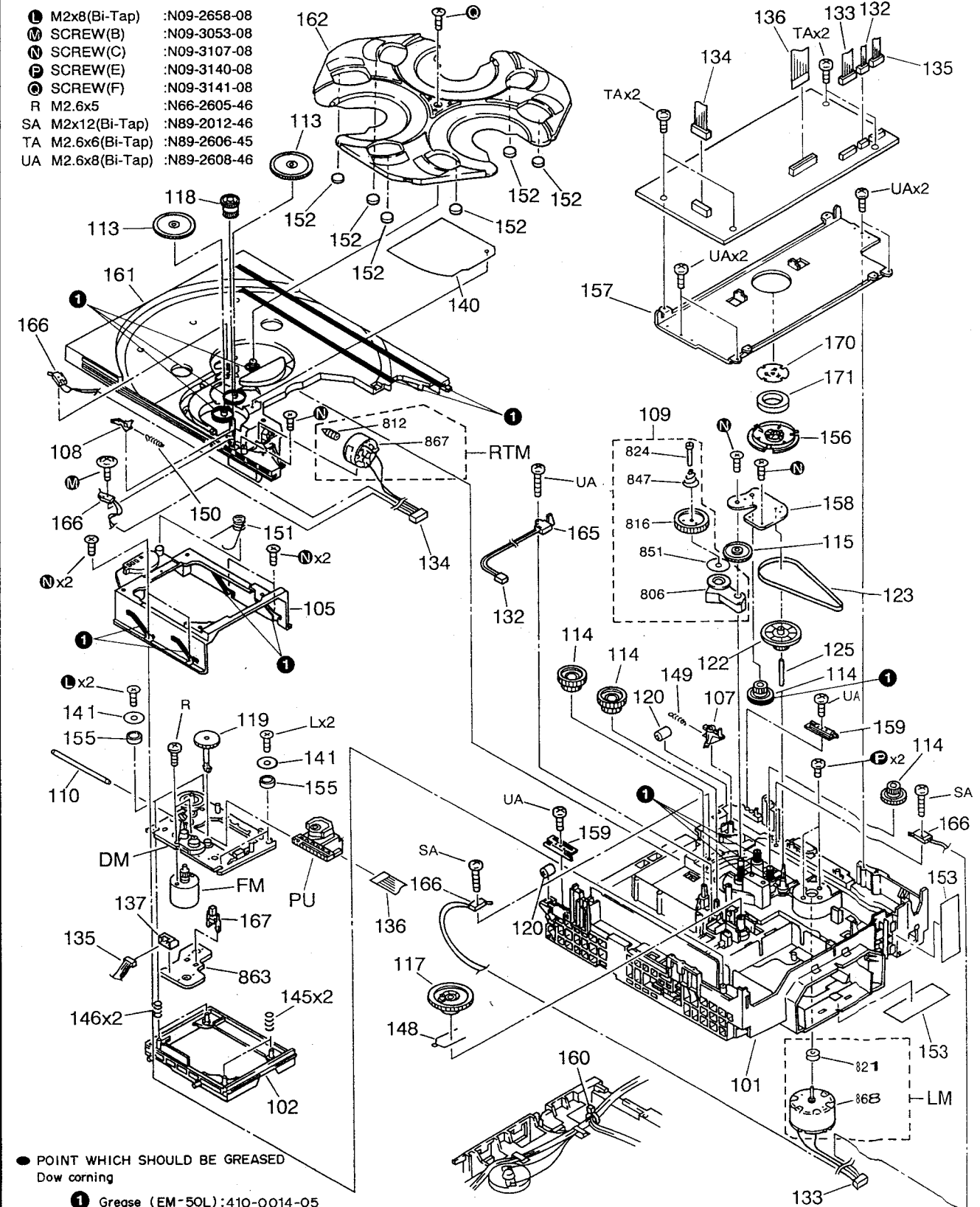
REAR VIEW

ONE MOTOR ONE WAY MECH (GT-2100W)

RXD-F2/L

EXPLODED VIEW(CD MECHANISM)

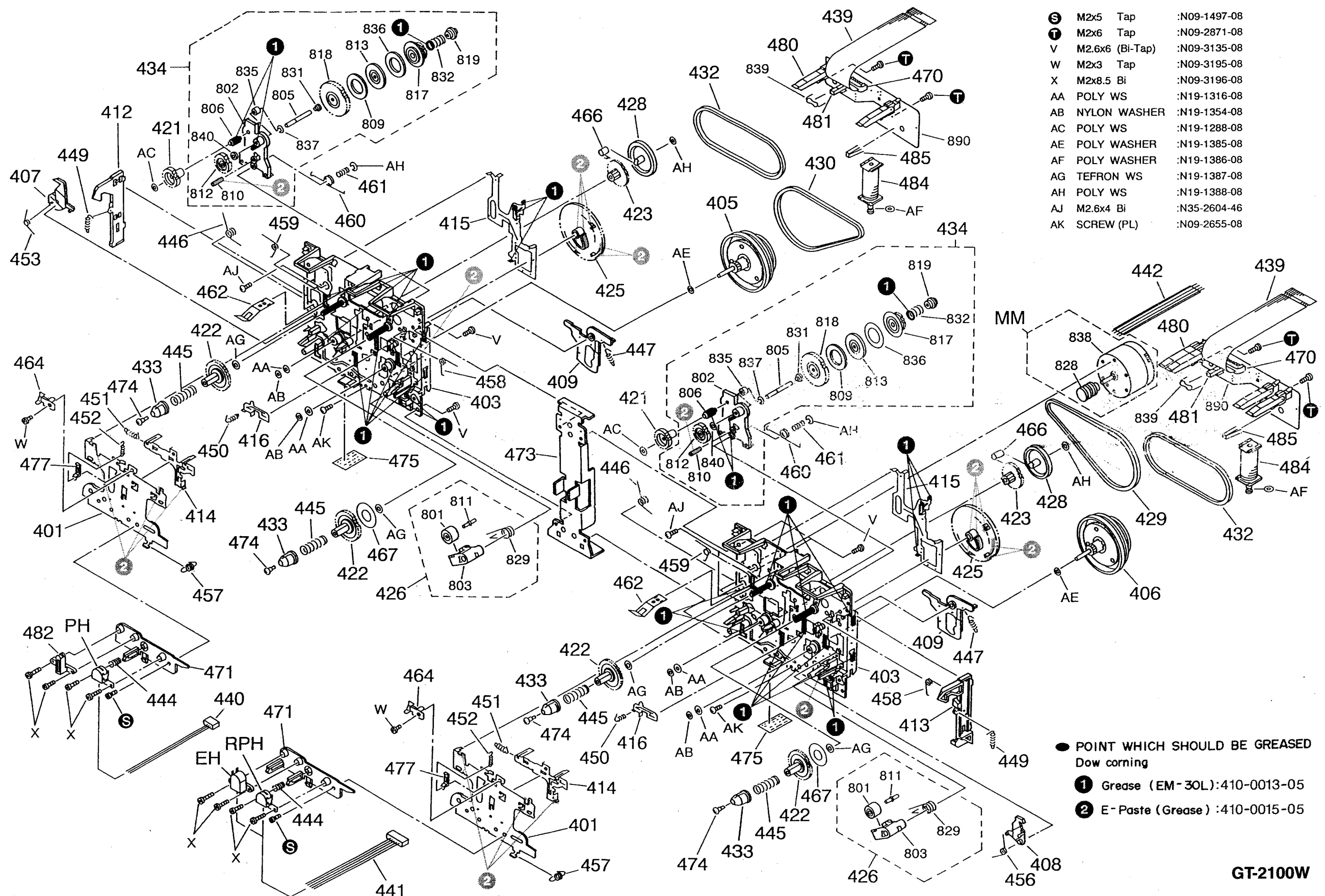
- ① M2x8(Bi-Tap) :N09-2658-08
- ② SCREW(B) :N09-3053-08
- ③ SCREW(C) :N09-3107-08
- ④ SCREW(E) :N09-3140-08
- ⑤ SCREW(F) :N09-3141-08
- R M2.6x5 :N66-2605-46
- SA M2x12(Bi-Tap) :N89-2012-46
- TA M2.6x6(Bi-Tap) :N89-2606-45
- UA M2.6x8(Bi-Tap) :N89-2608-46



B310

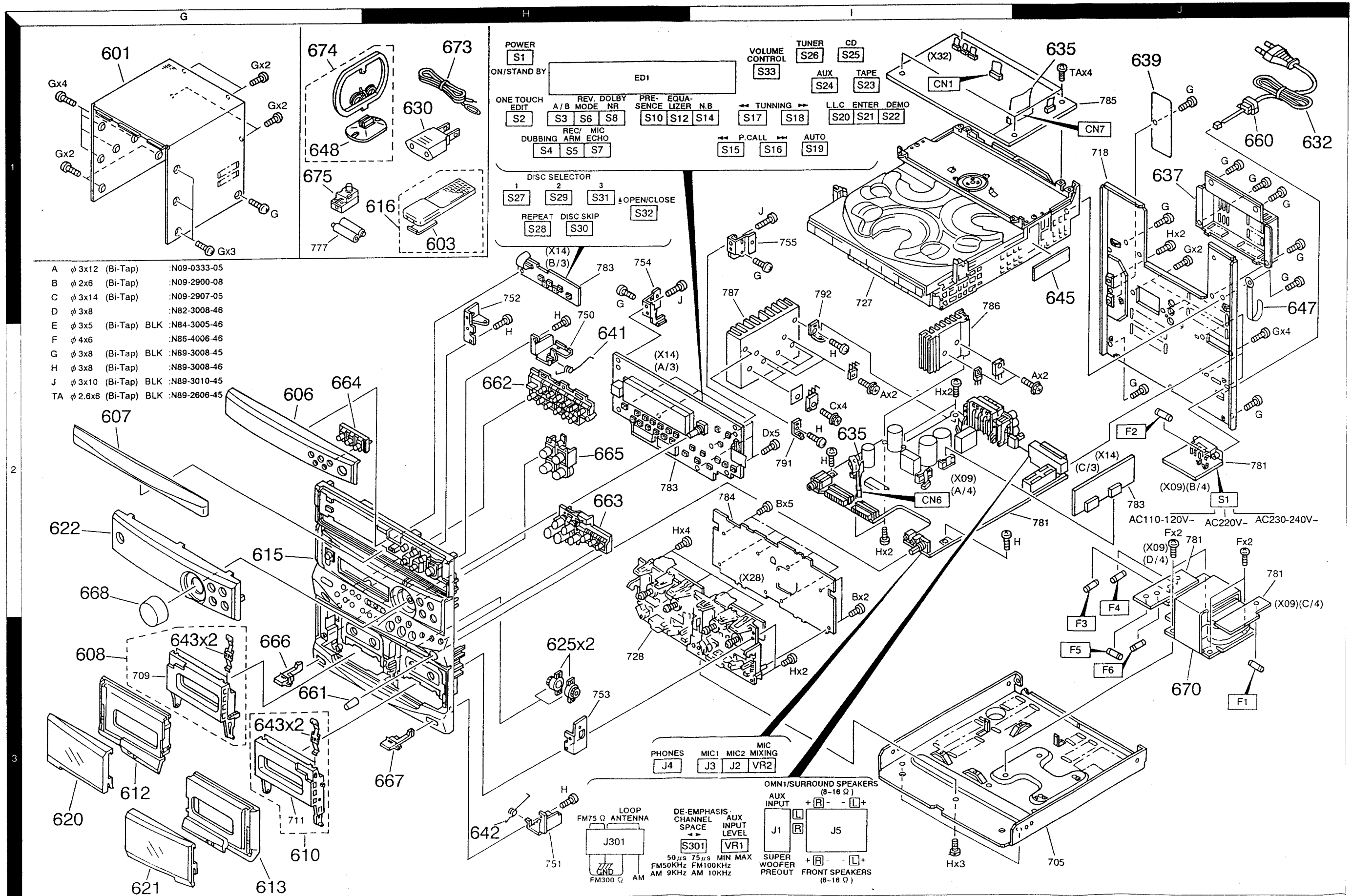
RXD-F2/L RXD-F2/L

EXPLODED VIEW(CASSETTE DECK MECHANISM)



RXD-F2/L RXD-F2/L

EXPLODED VIEW(UNIT)



Parts with the exploded numbers larger than 700 are not supplied.

* New Parts
Parts without **Parts No.** are not supplied.
Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.
Teile ohne **Parts No.** werden nicht geliefert.

NO. 1

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
RXD-F2/L						
601	1G	*	A01-3231-01	METALLIC CABINET		
603	2H	*	A09-0170-08	BATTERY CAVER		
606	2G	*	A21-1871-22	DRESSING PANEL (CD)		H
606	2G	*	A21-1874-22	DRESSING PANEL (CD)		V
607	2G	*	A29-0397-02	PANEL (CD TRY)		
608	3G	*	A53-1808-03	CASSETTE HOLDER ASSY (A DECK)		V
608	3G	*	A53-1837-13	CASSETTE HOLDER ASSY (A DECK)		H
610	3G	*	A53-1809-03	CASSETTE HOLDER ASSY (B DECK)		V
610	3G	*	A53-1839-13	CASSETTE HOLDER ASSY (B DECK)		H
612	3G	*	A53-1895-02	CASSETTE LID (A DECK)		V
612	3G	*	A53-1901-02	CASSETTE LID (A DECK)		H
613	3G	*	A53-1875-02	CASSETTE LID (B DECK)		H
613	3G	*	A53-1896-02	CASSETTE LID (B DECK)		V
615	2G	*	A60-0744-11	PANEL (FRONT)		H
615	2G	*	A60-0757-11	PANEL (FRONT)		V
616	1H	*	A70-1021-05	REMOTE CONTROLLER ASSY (RC-F2)		
620	3G	*	B10-2111-13	FRONT GLASS (A DECK)		H
620	3G	*	B10-2128-13	FRONT GLASS (A DECK)		V
621	3G	*	B10-2127-13	FRONT GLASS (B DECK)		H
621	3G	*	B10-2129-13	FRONT GLASS (B DECK)		V
622	3G	*	B10-2119-12	FRONT GLASS (RECEIVER)	T	H
622	3G	*	B10-2131-12	FRONT GLASS (RECEIVER)	T	V
622	3G	*	B10-2149-12	FRONT GLASS (RECEIVER)	KRPYMX	H
622	3G	*	B10-2149-12	FRONT GLASS (RECEIVER)	EG	V
622	2G	*	B10-2150-12	FRONT GLASS (RECEIVER)	KRPYMX	V
622	2G	*	B10-2150-12	FRONT GLASS (RECEIVER)	EGC	V
-			B46-0096-53	WARRANTY CARD	X	
-			B46-0121-33	WARRANTY CARD	P	
-			B46-0307-23	WARRANTY CARD	KY	
-			B46-0310-03	WARRANTY CARD	TEG	
-			B46-0319-00	QUESTIONNAIRE CARD	T	
-			B58-0964-13	CAUTION CARD (UL)	KRY	
-			B58-0965-13	CAUTION CARD (T.X)	XT	
-			B58-0966-13	CAUTION CARD (ELM)	MEC	
-			B58-0967-03	CAUTION CARD	P	
-			B58-0968-04	CAUTION CARD	Y	
-			B58-0970-13	CAUTION CARD	RG	
-			B59-1104-00	SERVICE DIRECTORY	Y	
-			B60-2185-00	INSTRUCTION MANUAL (ENGLISH)	KRPT	
-			B60-2186-00	INSTRUCTION MANUAL (ENGLISH)	YMXC	
-			B60-2187-00	INSTRUCTION MANUAL (FRENCH)	PE	
-			B60-2188-00	INSTRUCTION MANUAL (GERMAN)	EG	
-			B60-2189-00	INSTRUCTION MANUAL (DUTCH)	E	
-			B60-2190-00	INSTRUCTION MANUAL (ITALIAN)	E	
-			B60-2191-00	INSTRUCTION MANUAL (SPANISH)	RE	
-			B60-2192-10	INSTRUCTION MANUAL (CHINESE)	MC	
-			B60-2193-10	INSTRUCTION MANUAL (TAIWANESE)	MC	
-			B60-2257-00	INSTRUCTION MANUAL (SPANISH)	MC	
625	3H	*	D39-0322-05	DAMPER	MC	
630	1H	*	E03-0115-05	AC PLUG ADAPTER	KRP	
632	2H	*	E30-2787-05	AC POWER CORD	MEGC	
632	2H	*	E30-2788-05	AC POWER CORD	MEGC	

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NO. 2

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
632	2H	*	E30-2789-05	AC POWER CORD	Y	
632	1J	*	E30-2790-05	AC POWER CORD	X	
632	1J	*	E30-2791-05	AC POWER CORD	T	
635	2I,1J	*	E35-1174-05	FLAT CABLE (33PIN)		
637	1J	*	F07-0757-03	COVER		
639	1J	*	F20-1432-04	INSULATING SHEET		
641	2H	*	G01-3810-24	TORSION COIL SPRING (A DECK)		
642	3H	*	G01-3811-24	TORSION COIL SPRING (B DECK)		
643	3G	*	G02-1057-14	FLAT SPRING	KRPY	
645	2J	*	G11-2239-14	CUSHION		
-		*	H10-7047-12	POLYSTYRENE FOAMED FIXTURE		
-		*	H10-7048-12	POLYSTYRENE FOAMED FIXTURE		
-		*	H13-0086-04	CARTON BOARD	KRPYMX	
-		*	H25-0632-24	PROTECTION BAG	EGC	
-		*	H25-0632-24	PROTECTION BAG		
-		*	H25-0644-04	PROTECTION BAG (0632 PRINTED)	T	
-		*	H25-1509-04	PROTECTION BAG	MC	
-		*	H25-1536-04	PROTECTION BAG	KRPYXT	
-		*	H25-1536-04	PROTECTION BAG	EGC	
-		*	H50-1471-04	ITEM CARTON CASE	KPYC	
-		*	H50-1472-04	ITEM CARTON CASE	MX	
-		*	H50-1473-04	ITEM CARTON CASE	T	
-		*	H50-1482-04	ITEM CARTON CASE	REG	
647	1J	*	J19-2808-05	HOLDER	MC	
648	1H	*	J19-3645-05	LOOP ANTENNA STAND		
660	1J	*	J42-0083-05	POWER CORD BUSHING		
661	3G	*	K29-6033-04	KNOB (MIC MIXING)		
662	2H	*	K29-6138-02	KNOB (DUBB.,REC,ARM)	H	
662	2H	*	K29-6166-02	KNOB (DUBB.,REC,ARM)	V	
663	2H	*	K29-6139-12	KNOB (TUNING,P.CALL)	H	
663	2H	*	K29-6167-12	KNOB (TUNING,P.CALL)	V	
664	2G	*	K29-6140-13	KNOB (DISC SELECTOR)	H	
664	2G	*	K29-6168-13	KNOB (DISC SELECTOR)	V	
665	2H	*	K29-6141-13	KNOB (INPUT SELECTOR)	H	
665	2H	*	K29-6169-13	KNOB (INPUT SELECTOR)	V	
666	3G	*	K29-6142-14	KNOB (EJECT A)	H	
666	3G	*	K29-6170-14	KNOB (EJECT A)	V	
667	3H	*	K29-6143-14	KNOB (EJECT B)	H	
667	3H	*	K29-6171-14	KNOB (EJECT B)	V	
668	2G	*	K29-6149-14	KNOB (VOLUME CONTROL)	H	
670	3J	*	L07-1919-05	POWER TRANSFORMER	KRP	
670	3J	*	L07-1920-05	POWER TRANSFORMER	TEG	
670	3J	*	L07-1921-05	POWER TRANSFORMER	X	
670	3J	*	L07-1923-05	POWER TRANSFORMER	YMC	
B			N09-2900-08	BINDING TAPPING SCREW (2X6)		
673	1H	*	T90-0182-15	LEAD WIRE ANTENNA		
673	1H	*	T90-0801-05	LEAD WIRE ANTENNA		
674	1G	*	T90-0195-05	LOOP ANTENNA		
675	1G	*	T90-0198-05	ANTENNA ADAPTOR	TEG	
AUDIO UNIT TUNER(X09-) : K,R,P,Y,M,X type						
C301,302			CK73FB1H103K	CHIP C	0.010UF	K

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NO. 3

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C304			CE04LW1A470M	ELECTRO 47UF 10WV		
C305			CK73FB1H103K	CHIP C 0.010UF K		
C308			CK73FB1H103K	CHIP C 0.010UF K		
C310			CC73FSL1H102J	CHIP C 1000PF J		
C311			CE04LW1H4R7M	ELECTRO 4.7UF 50WV		
C313			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C314			CE04LW1H2R2M	ELECTRO 2.2UF 50WV		
C321,322			CQ93FMG1H163J	MYLAR 0.016UF J	YMX	
C321,322			CQ93FMG1H243J	MYLAR 0.024UF J	KRP	
C323			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C324			CE04LW1H3R3M	ELECTRO 3.3UF 50WV		
C325			CE04LW1V100M	ELECTRO 10UF 35WV		
C327			CK73FB1E473K	CHIP C 0.047UF K		
C328			CE04LW1V100M	ELECTRO 10UF 35WV		
C331			CE04LW1A470M	ELECTRO 47UF 10WV		
C332			CK45FF1H103Z	CERAMIC 0.010UF Z		
C333			CC73FCH1H270J	CHIP C 27PF J		
C334			CC73FCH1H220J	CHIP C 22PF J		
C335-338			CK73FB1H471K	CHIP C 470PF K		
C339			CE04LW1C470M	ELECTRO 47UF 16WV		
C340			CK73FB1H223K	CHIP C 0.022UF K		
C341			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C342,343			CK73FB1H103K	CHIP C 0.010UF K		
C350			C91-0769-05	CERAMIC 0.010UF K		
C351			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C352			CE04LW1C470M	ELECTRO 47UF 16WV		
C355			CK73FB1E104K	CHIP C 0.10UF K		
C357			CC73FSL1H220J	CHIP C 22PF J		
C361			CK73FB1H103K	CHIP C 0.010UF K		
C362			CE04LW1C101M	ELECTRO 100UF 16WV		
C365			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C366			CC73FSL1H102J	CHIP C 1000PF J		
C371			CE04LW1V100M	ELECTRO 10UF 35WV		
C372			CE04LW1C470M	ELECTRO 47UF 16WV		
C403-406			CE04LW1HR47M	ELECTRO 0.47UF 50WV		
C407			CK73FB1E473K	CHIP C 0.047UF K		
C412			CC73FSL1H101J	CHIP C 100PF J		
C414			CK73FB1H681K	CHIP C 680PF K		
C417			CK73FB1H681K	CHIP C 680PF K		
C418			CK73FB1H103K	CHIP C 0.010UF K		
C419			CC73FSL1H101J	CHIP C 100PF J		
C421,422			CE04LW1C470M	ELECTRO 47UF 16WV		
C423			CC45FSL1H101J	CERAMIC 100PF J		
C424			CC73FSL1H102J	CHIP C 1000PF J		
C435,436			CQ93FMG1H682J	MYLAR 6800PF J	YM	
C482			CC73FSL1H150J	CHIP C 15PF J		
J301			E70-0051-05	LOCK TERMINAL BOARD		
CF301,302			L72-0531-05	CERAMIC FILTER		
CF303			L72-0574-05	CERAMIC FILTER		
L307			L30-0911-05	AM IFT		
L310			L40-1091-17	SMALL FIXED INDUCTOR		
L311			L40-1021-14	SMALL FIXED INDUCTOR(1.0MH,K)		
L312			L40-1091-17	SMALL FIXED INDUCTOR		

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NO. 4

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
L403 L406 X301 X302		*	L39-1328-05 L40-1091-17 L77-2148-05 L78-0295-05	COMBINATION COIL SMALL FIXED INDUCTOR CRYSTAL RESONATOR(7.2MHz) RESONATOR (456kHz)		
R301			RK73FB2A681J	CHIP R 680 J	1/10W	
R302			RK73FB2A332J	CHIP R 3.3K J	1/10W	
R303			RK73FB2A331J	CHIP R 330 J	1/10W	
R304			RK73FB2A470J	CHIP R 47 J	1/10W	
R306			RK73FB2A331J	CHIP R 330 J	1/10W	
R311			RD14NB2E101J	RD 100 J	1/4W	
R315			RK73FB2A391J	CHIP R 390 J	1/10W	
R319			RK73FB2A332J	CHIP R 3.3K J	1/10W	
R321,322			RK73FB2A393J	CHIP R 39K J	1/10W	
R331			RS14KB3D221J	FL-PROOF RS 220 J	2W	
R336,337			RK73FB2A102J	CHIP R 1.0K J	1/10W	
R338			RK73FB2A221J	CHIP R 220 J	1/10W	
R339			RK73FB2A822J	CHIP R 8.2K J	1/10W	
R340			RK73FB2A102J	CHIP R 1.0K J	1/10W	
R342			RD14NB2E101J	RD 100 J	1/4W	
R343			RK73FB2A103J	CHIP R 10K J	1/10W	
R352			RK73FB2A472J	CHIP R 4.7K J	1/10W	
R364			RK73FB2A104J	CHIP R 100K J	1/10W	
R401,402			RK73FB2A333J	CHIP R 33K J	1/10W	
R405,406			RK73FB2A123J	CHIP R 12K J	1/10W	
R411			RD14NB2E331J	RD 330 J	1/4W	
R418			RK73FB2A122J	CHIP R 1.2K J	1/10W	
R419			RK73FB2A123J	CHIP R 12K J	1/10W	
R422			RK73FB2A122J	CHIP R 1.2K J	1/10W	
R423			RK73FB2A123J	CHIP R 12K J	1/10W	
R424			RK73FB2A103J	CHIP R 10K J	1/10W	
R425,426			RK73FB2A332J	CHIP R 3.3K J	1/10W	
R427,428			RD14NB2E101J	RD 100 J	1/4W	
R431,432			RK73FB2A393J	CHIP R 39K J	1/10W	
R438,439			RK73FB2A561J	CHIP R 560 J	1/10W	YM
R440,441			RK73FB2A473J	CHIP R 47K J	1/10W	YM
R451			RK73FB2A911J	CHIP R 910 J	1/10W	
R452			RK73FB2A473J	CHIP R 47K J	1/10W	
R453			RK73FB2A472J	CHIP R 4.7K J	1/10W	
R457			RK73FB2A102J	CHIP R 1.0K J	1/10W	
R467			RK73FB2A104J	CHIP R 100K J	1/10W	
W401,402			R92-0679-05	CHIP R 0 OHM		
W403			R92-0670-05	CHIP R 0 OHM		
W404,405			R92-0679-05	CHIP R 0 OHM		
W406			R92-0670-05	CHIP R 0 OHM		
W407			R92-0679-05	CHIP R 0 OHM		
W408			R92-0670-05	CHIP R 0 OHM		
W409			R92-0679-05	CHIP R 0 OHM		
W410			R92-0670-05	CHIP R 0 OHM		
W411			R92-0679-05	CHIP R 0 OHM		
W412			R92-0670-05	CHIP R 0 OHM		
S301			S62-0034-05	SLIDE SWITCH		YM
D303			HZS5.1N(B2)	ZENER DIODE		
D303			RD5.1ES(B2)	ZENER DIODE		

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NO. 5

Ref. No.	Add- ress	New Parts	Parts No.	Description	Desti- nation	Re- marks
D304 D304 D307,308 D307,308 D311			HZS3.3N(B2) RD3.3ES(B2) HSS104 1SS133 HZS5.6N(B2)	ZENER DIODE ZENER DIODE DIODE DIODE ZENER DIODE		
D311 D411,412 D411,412 IC301 IC302			RD5.6ES(B2) HSS104 1SS133 LA1831A-KEN LC7218	ZENER DIODE DIODE DIODE ANALOGUE IC IC(PLL FREQUENCY SYNTHESIZER)		
IC312 Q301 Q302 Q303 Q303			NJM4565D 2SC2714(R,O) 2SC1845(F,E) 2SC2458(Y,GR) 2SC3311A(Q,R)	IC(OP AMP X2) TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q307 Q311 Q402 Q404 Q407,408			2SC2412K 2SD863(E,F) 2SA1037K 2SA1037K 2SC2412K	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	YM	
Q409,410 Q411			2SD1757K 2SA1037K	TRANSISTOR TRANSISTOR		
A301 A301			W02-2520-05 W02-2525-05	FM FRONT-END ASSY FM FRONT-END ASSY		H V
AUDIO UNIT TUNER (X09-) : T,E,G type						
C301,302 C303 C304 C305 C306			CK73FB1H103K CE04LW1V100M CK73FB1E473K CE04LW1V100M CK73FB1E473K	CHIP C 0.010UF K ELECTRO 10UF 35WV CHIP C 0.047UF K ELECTRO 10UF 35WV CHIP C 0.047UF K		
C307 C308 C309 C310 C311			CE04LW1V100M CE04LW1H010M CE04LW1HR47M CE04LW1H2R2M CE04LW1HR47M	ELECTRO 10UF 35WV ELECTRO 1.0UF 50WV ELECTRO 0.47UF 50WV ELECTRO 2.2UF 50WV ELECTRO 0.47UF 50WV		
C312 C313 C314 C315 C316			CK73FB1E473K CC73FCH1H220J CE04LW1A101M CK73FB1H472K CE04LW1H010M	CHIP C 0.047UF K CHIP C 22PF J ELECTRO 100UF 10WV CHIP C 4700PF K ELECTRO 1.0UF 50WV		
C317,318 C319,320 C322 C323,324 C325,326			CE04LW1V100M CQ93FMG1H223J CK73FB1H102K CE04LW1H2R2M CK45FB1H471K	ELECTRO 10UF 35WV MYLAR 0.022UF J CHIP C 1000PF K ELECTRO 2.2UF 50WV CERAMIC 470PF K		
C327 C328 C330 C331 C332			CK73FB1E473K CC45FSL1H150J CE04LW1C470M CK45FF1H473Z CK73FB1H103K	CHIP C 0.047UF K CERAMIC 15PF J ELECTRO 47UF 16WV CERAMIC 0.047UF Z CHIP C 0.010UF K		
C333 C334 C335-338			CC73FCH1H270J CC73FCH1H220J CK73FB1H471K	CHIP C 27PF J CHIP C 22PF J CHIP C 470PF K		

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NO.6

Ref. No.	Add- ress	New Parts	Parts No.	Description	Desti- nation	Re- marks
C339 C340 C341 C342,343 C344			CE04LW1C470M CQ93FMG1H223J CE04LW1H2R2M CK73FB1H103K CE04LW1A470M	ELECTRO 47UF 16WV MYLAR 0.022UF J ELECTRO 2.2UF 50WV CHIP C 0.010UF K ELECTRO 47UF 10WV		
C345 C346 C347 C348 C349			CE04LW1C470M CE04LW1H010M CK73FB1H103K CE04LW1H010M CK73FB1H103K	ELECTRO 47UF 16WV ELECTRO 1.0UF 50WV CHIP C 0.010UF K ELECTRO 1.0UF 50WV CHIP C 0.010UF K		
C354 C356 C357 C358 C359			CE04LW1C470M CC73FCH1H060D CC73FCH1H220J CK73FB1E473K CK45FF1H103Z	ELECTRO 47UF 16WV CHIP C 6.0PF D CHIP C 22PF J CHIP C 0.047UF K CERAMIC 0.010UF Z		
C360 C361 C362 C363			CC73FSL1H101J C91-0745-05 CC45FSL1H020C CK73FB1H103K	CHIP C 100PF J CERAMIC 100PF K CERAMIC 2.0PF C CHIP C 0.010UF K		
C364 C365			CC45FSL1H101J CK73FB1H103K	CERAMIC 100PF J CHIP C 0.010UF K		
J301			E70-0052-05	LOCK TERMINAL BOARD		
CF301,302 L303 L306 L306 L306 L307			L72-0536-05 L30-0910-05 L39-1325-05 L39-1328-05 L30-0911-05	CERAMIC FILTER FM IFT COMBINATION COIL COMBINATION COIL AM IFT	T EG	
L308,309 L311 X301 X302			L40-1091-17 L40-1001-17 L77-2148-05 L78-0295-05	SMALL FIXED INDUCTOR SMALL FIXED INDUCTOR(10UH,K) CRYSTAL RESONATOR(7.2MHz) RESONATOR (456kHz)		
R301 R302 R303 R304 R306			RK73FB2A681J RK73FB2A332J RK73FB2A331J RK73FB2A100J RK73FB2A331J	CHIP R 680 J 1/10W CHIP R 3.3K J 1/10W CHIP R 330 J 1/10W CHIP R 10 J 1/10W CHIP R 330 J 1/10W		
R307 R311 R312 R313 R316			RK73FB2A392J RK73FB2A562J RK73FB2A302J RK73FB2A333J RK73FB2A104J	CHIP R 3.9K J 1/10W CHIP R 5.6K J 1/10W CHIP R 3.0K J 1/10W CHIP R 33K J 1/10W CHIP R 100K J 1/10W		
R317 R318 R331 R336,337 R340			RK73FB2A392J RK73FB2A333J RK73FB2A822J RK73FB2A102J RK73FB2A471J	CHIP R 3.9K J 1/10W CHIP R 33K J 1/10W CHIP R 8.2K J 1/10W CHIP R 1.0K J 1/10W CHIP R 470 J 1/10W		
R342 R343 R358 R359 R360			RD14NB2E101J RK73FB2A103J RK73FB2A104J RK73FB2A122J RK73FB2A123J	RD 100 J 1/4W CHIP R 10K J 1/10W CHIP R 100K J 1/10W CHIP R 1.2K J 1/10W CHIP R 12K J 1/10W	T T	
R361			RK73FB2A122J	CHIP R 1.2K J 1/10W		

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PARTS LIST

RXD-F2/L

* New Parts

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NO. 7

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
R362			RK73FB2A123J	CHIP R 12K J 1/10W		
R363			RK73FB2A122J	CHIP R 1.2K J 1/10W		
R364			RK73FB2A123J	CHIP R 12K J 1/10W		
R372			RK73FB2A122J	CHIP R 1.2K J 1/10W		
R373			RK73FB2A223J	CHIP R 22K J 1/10W	T	
R374			RK73FB2A123J	CHIP R 12K J 1/10W	T	
R375			RK73FB2A182J	CHIP R 1.8K J 1/10W	T	
R376			RK73FB2A104J	CHIP R 100K J 1/10W	T	
R378			RD14NB2E470J	RD 47 J 1/4W		
R379			RS14KB3D221J	FL-PROOF RS 220 J 2W		
R381			RK73FB2A563J	CHIP R 56K J 1/10W		
D301,302			HSS104	DIODE		
D301,302			1SS133	DIODE		
D303			HZS5.1N(B2)	ZENER DIODE		
D303			RD5.1ES(B2)	ZENER DIODE		
D304			HZS8.2N(B2)	ZENER DIODE		
D304			RD8.2ES(B2)	ZENER DIODE		
D305			HSS104	DIODE		
D305			1SS133	DIODE		
D306			HZS3.3N(B2)	ZENER DIODE		
D306			RD3.3ES(B2)	ZENER DIODE		
D310			HSS104	DIODE	T	
D310			1SS133	DIODE	T	
IC301			LA1836	ANALOGUE IC		
IC302			LC7218	IC(PLL FREQUENCY SYNTHESIZER)		
Q301			2SC2714(R,O)	TRANSISTOR		
Q302			2SC1845(F,E)	TRANSISTOR		
Q303			2SC4081(R,S)	TRANSISTOR		
Q305			2SC1740S(Q,R)	TRANSISTOR		
Q305			2SC2458(Y,GR)	TRANSISTOR		
Q305			2SC2785(F,E)	TRANSISTOR		
Q305			2SC3311A(Q,R)	TRANSISTOR		
Q306			2SA1576(R,S)	TRANSISTOR	T	
Q307,308			2SA1576(R,S)	TRANSISTOR		
Q309			2SD863(E,F)	TRANSISTOR		
Q310			2SA1048(Y,GR)	TRANSISTOR		
Q310			2SA1175(F,E)	TRANSISTOR		
Q310			2SA1309A(Q,R)	TRANSISTOR		
Q310			2SA933S(Q,R)	TRANSISTOR		
Q311,312			2SD1302(S,T)	TRANSISTOR		
Q311,312			2SD1450(S,T)	TRANSISTOR		
Q313-315			2SC4081(R,S)	TRANSISTOR	T	
A301			W02-2509-05	FM FRONT-END ASSY		H
A301			W02-2526-05	FM FRONT-END ASSY		V
AUDIO UNIT (X09-)						
C1,2			CC73FSL1H221J	CHIP C 220PF J	KRPYMX	
C1,2			CC73FSL1H471J	CHIP C 470PF J	TEG	
C3-9			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C10			CE04LW1V100M	ELECTRO 10UF 35WV		
C11			CE04LW1HR22M	ELECTRO 0.22UF 50WV		
C12			CC45FSL1H220J	CERAMIC 22PF J		
C13			CE04LW1H010M	ELECTRO 1.0UF 50WV		

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NO.8

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C14			CQ93FMG1H223J	MYLAR 0.022UF J		
C29,30			CE04LW1C220M	ELECTRO 22UF 16WV		
C31			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C32			CE04LW1V100M	ELECTRO 10UF 35WV		
C33-36			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C37			CE04LW1C220M	ELECTRO 22UF 16WV		
C38,39			CK73FB1E104K	CHIP C 0.10UF K		
C40			CK73FB1H562K	CHIP C 5600PF K		
C41			CF92FV1H684J	MF-C 0.68UF J		
C42,43			CK73FF1E154Z	CHIP C 0.15UF Z		
C44,45			CK73FB1H223K	CHIP C 0.022UF K		
C46			CQ93FMG1H122J	MYLAR 1200PF J		
C47			CK73FB1H222K	CHIP C 2200PF K		
C48,49			CK73FF1E154Z	CHIP C 0.15UF Z		
C50,51			CK73FB1H562K	CHIP C 5600PF K		
C71,72			CC45FSL1H101J	CERAMIC 100PF J		
C73,74			C90-3413-05	ELECTRO 22uF 50WV		
C75-78		*	CQ93FMG1H103J	MYLAR 0.010UF J		
C79,80			CK45FB1H102K	CERAMIC 1000PF K		
C81,82			CK45FB1H102K	CERAMIC 1000PF K		TEG
C83,84			CQ93FMG1H153J	MYLAR 0.015UF J		TEG
C87			CC45FSL1H331J	CERAMIC 330PF J		
C88,89			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C90			CK45FB1H821K	CERAMIC 820PF K		
C92			CC45FSL1H331J	CERAMIC 330PF J		
C93			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C112			CE04LW1A470M	ELECTRO 47UF 10WV		
C114			CE04LW1C470M	ELECTRO 47UF 16WV		
C115,116		*	C90-3585-05	ELECTRO 3300UF 25WU		
C117,118			CQ93FMG1H104J	MYLAR 0.10UF J		
C123			CE04LW1V332M	ELECTRO 3300UF 35WV		
C125			CE04LW1V471M	ELECTRO 470UF 35WV		
C128			CE04LW1H101M	ELECTRO 100UF 50WV		
C129			CE04LW1E101M	ELECTRO 100UF 25WV		
C131			CE04LW1H101M	ELECTRO 100UF 50WV		
C134			CE04LW1V330M	ELECTRO 33UF 35WV		
C135			CE04LW1V222M	ELECTRO 2200UF 35WV		
C136,137			CQ93FMG1H104J	MYLAR 0.10UF J		
C138			CE04LW1A470M	ELECTRO 47UF 10WV		
C139			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C141			CE04LW1V330M	ELECTRO 33UF 35WV		
C142			CE04LW1V221M	ELECTRO 220UF 35WV		
C144			C91-1488-05	MF 6800PF 250VAC		
C146			CE04LW1H2R2M	ELECTRO 2.2UF 50WV		
C147			CE04LW1H100M	ELECTRO 10UF 50WV		
C150,151			CK45FF1H103Z	CERAMIC 0.010UF Z		
C152			CE04LW1C470M	ELECTRO 47UF 16WV		
C154,155			CE04LW1C470M	ELECTRO 47UF 16WV		
C156			CE04LW1C221M	ELECTRO 220UF 16WV		
C160			CK73FB1H471K	CHIP C 470PF K		
C163,164			CC73FSL1H101J	CHIP C 100PF J		
C166,167			CK73FB1H103K	CHIP C 0.010UF K		
C170			CK73FB1H103K	CHIP C 0.010UF K		
C171			CK45FF1H103Z	CERAMIC 0.010UF Z		

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RXD-F2/L

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NO. 9

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C173-176 C177 C179,180 C183 C185,186			CE04LW1V4R7M CK73FB1H103K CE04LW1V4R7M CE04LW1V221M CC73FSL1H470J	ELECTRO 4.7UF 35WV CHIP C 0.010UF K ELECTRO 4.7UF 35WV ELECTRO 220UF 35WV CHIP C 47PF J	TEG	
C187,188 C191 C192 C193 C195			CE04LW1V100M CE04LW1H221M CE04LW1C100M CK73FB1E104K C91-0750-05	ELECTRO 10UF 35WV ELECTRO 220UF 50WV ELECTRO 10UF 16WV CHIP C 0.10UF K CERAMIC 270PF K		
C500 C601			CK45FB1H102K CE04LW1H3R3M	CERAMIC 1000PF K ELECTRO 3.3UF 50WV	KRPYM	
CN1 CN2 CN3 CN4,5 CN6	2I	*	E40-4804-05 E40-4858-05 E40-4796-05 E40-4809-05 E40-4920-05	SOCKET FOR PIN ASSY SOCKET FOR PIN ASSY PIN ASSY PIN ASSY FLAT CABLE CONNECTOR		
CN202 J1 J1 J2,3 J4	3I 3I 3I 3H	*	E40-4245-05 E63-0096-05 E63-0144-05 E11-0283-05 E11-0280-05	PIN ASSY PHONO JACK S.W/AUX INPUT PHONO JACK S.W/AUX INPUT MINIATURE PHONE JACK MIC1/MIC2 PHONE JACK PHONES		V H H V
J4 J5 J5 J5	3H 3I 3I 3I	*	E11-0282-05 E70-0032-05 E70-0032-05 E70-0048-05	PHONE JACK PHONES LOCK TERMINAL BOARD (4P) LOCK TERMINAL BOARD (4P) LOCK TERMINAL BOARD (8P)	KRPX TEG YM	
F1 F1,2 F3,4 F3,4 F5	2J 2J,3J 3J 3J 3J		F05-4028-05 F06-2021-05 F04-5022-05 F05-4025-05 F06-1022-05	FUSE (UL) (125V 4A) FUSE (SEMKO) (250V T2AL) FUSE (UL) (125V 5A UL) FUSE (SEMKO) (250V T4A L) FUSE (SEMKO) (250V T1AL)	KRP YM KRP YMXTEG YMXTEG	
F5 F6 F6 F7	3J 3J 3J 3J		F06-1222-05 F04-2025-05 F05-1623-05 F50-0062-05	FUSE (UL) (250V 1.25A) FUSE (UL) (250V 2A) FUSE (SEMKO) (250V 11.6AL) FUSE(SX20)	KRP KRP YMXTEG KRP	
CN101-108 CN109-112 CN111-114			J61-0307-05 J13-0075-05 J13-0075-05 J13-0075-05	WIRE BAND FUSE CLIP FUSE CLIP FUSE CLIP		
L1,2			L39-0085-05	PHASE COMPENSATION COIL	TEG	
R1 R4-7 R8 R9-12 R14			RK73FB2A102J RK73FB2A224J RK73EB2B224J RK73FB2A224J RK73FB2A224J	CHIP R 1.0K J 1/10W CHIP R 220K J 1/10W CHIP R 220K J 1/8W CHIP R 220K J 1/10W CHIP R 220K J 1/10W		
R43,44 R51,52 R55,56 R107-110 R111-114			RK73FB2A102J RK73FB2A562J RK73FB2A104J RD14NB2E100J RS14KB3DR22J	CHIP R 1.0K J 1/10W CHIP R 5.6K J 1/10W CHIP R 100K J 1/10W RD 10 J 1/4W FL-PROOF RS 0.22 J 2W		
R121-124 R125,126			RK73FB2B083J RD14NB2E681J RD14NB2E4R7J	CHIP R 68K J 1/8W RD 680 J 1/4W RD 4.7 J 1/4W	TEG	

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NO. 10

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
R170 R171 R172 R173 R176,177			RK73FB2A682J RK73FB2A332J RK73FB2A561J RK73EB2B562J RK73EB2B103J	CHIP R 6.8K J 1/10W CHIP R 3.3K J 1/10W CHIP R 560 J 1/10W CHIP R 5.6K J 1/8W CHIP R 10K J 1/8W		
R178,179 R185 R187 R188 R189			RK73EB2B681J RS14KB3A152J RK73FB2A823J RK73FB2A104J RK73FB2A102J	CHIP R 680 J 1/8W FL-PROOF RS 1.5K J 1W CHIP R 82K J 1/10W CHIP R 100K J 1/10W CHIP R 1.0K J 1/10W		
R190 R191 R192 R194 R195			RK73FB2A473J RK73FB2A102J RK73FB2A103J RK73FB2A103J RS14KB3D330J	CHIP R 47K J 1/10W CHIP R 1.0K J 1/10W CHIP R 10K J 1/10W CHIP R 10K J 1/10W FL-PROOF RS 33 J 2W		
R199 R201 R207 R209 R210,211	Δ Δ Δ Δ Δ		RK73FB2A682J RS14KB3A330J RD14NB2E100J RD14NB2E220J RD14NB2E100J	CHIP R 6.8K J 1/10W FL-PROOF RS 33 J 1W RD 10 J 1/4W RD 22 J 1/4W RD 10 J 1/4W	YM YM	
R212 R215,216 R217,218 R220 R221	Δ Δ Δ Δ Δ		RD14NB2E101J RK73FB2A222J RK73FB2A224J RK73FB2A103J RK73EB2B103J	RD 100 J 1/4W CHIP R 2.2K J 1/10W CHIP R 220K J 1/10W CHIP R 10K J 1/10W CHIP R 10K J 1/8W	YM	
R226 R228 R254 R256 R258			RK73FB2A391J RK73FB2A101J RK73FB2A102J RK73FB2A102J RK73FB2A102J	CHIP R 390 J 1/10W CHIP R 100 J 1/10W CHIP R 1.0K J 1/10W CHIP R 1.0K J 1/10W CHIP R 1.0K J 1/10W		
R259 R261-263 R265,266 R269,270 H271	Δ Δ Δ Δ Δ		RK73EB2B183J RK73FB2A104J RK73FB2A103J RS14KB3DR22J RS14KB3D221J	CHIP R 18K J 1/8W CHIP R 100K J 1/10W CHIP R 10K J 1/10W FL-PROOF RS 4.7 J 2W FL-PROOF RS 220 J 2W	YM	
R273 R274	Δ Δ		R92-1769-05 RK73FB2A473J	CARBON 3.3M J 1/2W CHIP R 47K J 1/10W	KRP	
VR1 VR2 W501-504 W501-505 W512			R31-0002-05 R31-0028-05 R92-0670-05 R92-0670-05 R92-0679-05	VARIABLE RESISTOR VARIABLE RESISTOR CHIP R 0 OHM CHIP R 0 OHM CHIP R 0 OHM	KRPYMX TEG EG	
W512,513 W516 W518-522 W521			R92-0679-05 R92-0670-05 R92-0670-05 R92-0670-05	CHIP R 0 OHM CHIP R 0 OHM CHIP R 0 OHM CHIP R 0 OHM	T TEG EG T	
K1 K3 S1	Δ Δ Δ		S51-2094-05 S51-2093-05 S31-2322-05	MAGNETIC RELAY MAGNETIC RELAY 110-/220/230- SLIDE SWITCH	YM YM	
D1 D1 D2 D3-9	Δ Δ Δ Δ		D3SBA20F03 HBV-402LFA KBP02ML-6127 S5688B	DIODE DIODE DIODE DIODE		

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NO. 11

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
Δ D3-9			1SR139-100	DIODE		
Δ D10,11			HSS104A	DIODE		
Δ D10,11			1SS131	DIODE		
Δ D12			HZS5.6N(B2)	ZENER DIODE		
Δ D12			RD5.6ES(B2)	ZENER DIODE		
D13			HZS5.6N(B2)	ZENER DIODE		
D13			RD5.6ES(B2)	ZENER DIODE		
D14,15			HZS13N(B2)	ZENER DIODE		
D14,15			RD13ES(B2)	ZENER DIODE		
Δ D16			HZS16N(B2)	ZENER DIODE		
D16			RD16ES(B2)	ZENER DIODE		
D17-19			HSS104A	DIODE		
D17-19			1SS131	DIODE	YM	
D21			HSS104A	DIODE	YM	
D21			1SS131	DIODE		
D22			MA111	DIODE		
Δ D23,24			HSS104A	DIODE		
Δ D23,24			1SS131	DIODE		
Δ D25,26			HZS6.2N(B2)	ZENER DIODE		
Δ D25,26			RD6.2ES(B2)	ZENER DIODE		
D28			HSS104A	DIODE		
D28			1SS131	DIODE		
D30,31			MA111	DIODE		
D32,33			HSS104A	DIODE		
Δ D32,33			1SS131	DIODE		
Δ D36-39			HSS104A	DIODE		
Δ D36-39			1SS131	DIODE		
Δ D41			HZS8.2N(B2)	ZENER DIODE		
Δ D41			RD8.2ES(B2)	ZENER DIODE		
Δ D43,44			HSS104A	DIODE	YM	
D43,44			1SS131	DIODE	YM	
Δ D45,46			HZS13N(B2)	ZENER DIODE	YM	
Δ D45,46			RD13ES(B2)	ZENER DIODE	YM	
Δ D50			S5688B	DIODE		
Δ D50			1SR139-100	DIODE		
Δ D51			HSS104A	DIODE		
Δ D51			1SS131	DIODE		
Δ D60			S5688B	DIODE		
Δ D60			1SR139-100	DIODE		
Δ D61-64			MA111	DIODE		
Δ D65			S5688B	DIODE		
Δ D65			1SR139-100	DIODE		
Δ IC1			NJU7313AM	ANALOGUE IC		
Δ IC2			NJM4565M	IC(OP AMP X2)		
Δ IC3			NJM4565D-D	IC(OP AMP X2)		
Δ IC3			XRA15218-DX	IC(OP AMP X2)		
Δ IC7			NJM4565MD	IC(OP AMP X2)		
Δ IC11			BU4094BCF	MOS-IC		
Δ IC12			TDA7345D	ANALOGUE IC		
Δ IC14			TA78057S	IC(VOLTAGE REGULATOR/+5.75V)		
Δ IC15			NJM4565M	IC(OP AMP X2)		
Δ Q9,10			2SC4137(V,W)	TRANSISTOR		
Δ Q11,12			2SD2493	TRANSISTOR		
Δ Q13,14			2SB1624	TRANSISTOR		

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NO. 12

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
Q15,16			2SC2458(Y,GR)	TRANSISTOR		
Q15,16			2SC3311A(Q,R)	TRANSISTOR		
Q17,18			2SC4081(R,S)	TRANSISTOR		
Q19			2SC3246	TRANSISTOR	YM	
Δ Q20			2SD1893	TRANSISTOR		
Q21			2SC4081(R,S)	TRANSISTOR		
Q22			2SC2458(Y,GR)	TRANSISTOR		
Q22			2SC3311A(Q,R)	TRANSISTOR		
Δ Q26,27			2SB1370	TRANSISTOR		
Δ Q26,27			2SB1375	TRANSISTOR		
Q28			2SA954(L,K)	TRANSISTOR		
Q29			2SA1576(R,S)	TRANSISTOR		
Q30			2SC2003(L,K)	TRANSISTOR		
Q32			2SA1576(R,S)	TRANSISTOR		
Q33			2SC2458(Y,GR)	TRANSISTOR		
Q33			2SC3311A(Q,R)	TRANSISTOR		
Q34,35			DTC124EU	DIGITAL TRANSISTOR		
Q34,35			UN5212	TRANSISTOR		
Q43,44			2SC1845(F,E)	TRANSISTOR	YM	
DISPLAY UNIT (X14-)						
D56-60			B30-2462-05	LED(GRN)		
D61-67		*	B30-2476-05	LED		
C2			C90-3258-05	ELECTRO	10UF	50WV
C3			CK73FF1C105Z	CHIP C	1.0UF	Z
C4			CK73FB1H102K	CHIP C	1000PF	K
C5,6			CC73FSL1H101J	CHIP C	100PF	J
C7,8			C90-3253-05	ELECTRO	1.0UF	50WV
C9			C90-3212-05	ELECTRO	47UF	6.3WV
C10			C90-3253-05	ELECTRO	1.0UF	50WV
C11			CK73FB1H103K	CHIP C	0.010UF	K
C12			CC73FCH1H180J	CHIP C	18PF	J
C13			CC73FCH1H220J	CHIP C	22PF	J
C16			CE04LW1V470M	ELECTRO	47UF	35WV
C17			C91-0769-05	CERAMIC	0.010UF	K
C18			C90-3216-05	ELECTRO	330UF	6.3WV
C20,21			CK73FB1H103K	CHIP C	0.010UF	K
C22			CK73FF1C105Z	CHIP C	1.0UF	Z
C23,24			CC73FSL1H561J	CHIP C	560PF	J
C25			CK73FF1C105Z	CHIP C	1.0UF	Z
C26,27			CK73FB1H222K	CHIP C	2200PF	K
C28			CK73FF1C105Z	CHIP C	1.0UF	Z
C29,30			CK73FB1E153K	CHIP C	0.015UF	K
C31			CK73FF1C105Z	CHIP C	1.0UF	Z
C32,33			CK73FB1E104K	CHIP C	0.10UF	K
C34			C90-3244-05	ELECTRO	10UF	35WV
C35			CK73FB1E104K	CHIP C	0.10UF	K
C36-38			CC73FSL1H470J	CHIP C	47PF	J
C301,302			CF92FV1H564J	MF-C	0.56UF	J
C303,304			CE04LW1H2R2M	ELECTRO	2.2UF	50WV
C305,306			CC73FSL1H181J	CHIP C	180PF	J
C307,308			CE04LW1H2R2M	ELECTRO	2.2UF	50WV
C309,310			CE04LW1H010M	ELECTRO	1.0UF	50WV
C311,312			CK73FB1H102K	CHIP C	1000PF	K

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NO. 13

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C313,314 C315,316 C317,318 C317,318			CC73FSL1H470J CC45FB1H222K CC45FSL1H101J CC45FSL1H221J	CHIP C 47PF J CERAMIC 2200PF K CERAMIC 100PF J CERAMIC 220PF J	XTEG XTEG KRP XTEG	
C317,318 C319,320 C321,322 C321,322 C331,332			CC45FSL1H470J CE04LW1A101M CK73FB1H102K CK73FB1H152K CE04LW1C470M	CERAMIC 47PF J ELECTRO 100UF 10WV CHIP C 1000PF K CHIP C 1500PF K ELECTRO 47UF 16WV	YM KRP XTEG	
C333 C334			CE04HW1H2R2M CE04LW1H101M	NP-ELEC 2.2UF 50WV ELECTRO 100UF 50WV		
CN1 CN2 CN301,302			E40-4796-05 E40-4857-05 E40-4810-05	PIN ASSY PIN ASSY SOCKET FOR PIN ASSY		
X1 X2			L77-2111-05 L78-0605-05	CRYSTAL RESONATOR(32.768kHz) RESONATOR (8.38MHz)		
CP1 CP2 CP3 R3 R7			R90-0803-05 R90-0864-05 R90-0820-05 RK73FB2A202J RK73FB2A101J	MULTI-COMP 100KX7 J 1/4W MULTI-COMP 100KX14 MULTI-COMP 47K X12 CHIP R 2.0K J 1/10W CHIP R 100 J 1/10W		
R13-15 R17,18 R28-31 R48 R50			RK73FB2A101J RK73FB2A101J RK73FB2A101J RK73FB2A102J RK73FB2A472J	CHIP R 100 J 1/10W CHIP R 100 J 1/10W CHIP R 100 J 1/10W CHIP R 1.0K J 1/10W CHIP R 4.7K J 1/10W		
R51 R52 R53 R54,55 R67-72			RK73FB2A102J RK73FB2A103J RK73FB2A104J RK73FB2A472J RK73FB2A104J	CHIP R 1.0K J 1/10W CHIP R 10K J 1/10W CHIP R 100K J 1/10W CHIP R 4.7K J 1/10W CHIP R 100K J 1/10W		
R74 R75 R76 R79 R80			RK73FB2A104J RK73FB2A473J RK73FB2A101J RK73FB2A474J RK73FB2A475K	CHIP R 100K J 1/10W CHIP R 47K J 1/10W CHIP R 100 J 1/10W CHIP R 470K J 1/10W CHIP R 4.7M K 1/10W		
R81,82 R84 R85-87 R91,92 R93			RK73FB2A101J RK73FB2A101J RK73FB2A103J RK73FB2A102J RK73FB2A302J	CHIP R 100 J 1/10W CHIP R 100 J 1/10W CHIP R 10K J 1/10W CHIP R 1.0K J 1/10W CHIP R 3.0K J 1/10W		
R95,96 R97-103 R106 R121 R125			RK73FB2A103J RK73FB2A102J RK73FB2A101J RK73FB2A223J RK73FB2A223J	CHIP R 10K J 1/10W CHIP R 1.0K J 1/10W CHIP R 100 J 1/10W CHIP R 22K J 1/10W CHIP R 22K J 1/10W		
R127 R129 R131 R133 R134 R135			RK73FB2A223J RK73FB2A223J RK73FB2A223J RK73FB2A223J RK73FB2A103J RK73FB2A223J	CHIP R 22K J 1/10W CHIP R 22K J 1/10W CHIP R 22K J 1/10W CHIP R 22K J 1/10W CHIP R 10K J 1/10W CHIP R 22K J 1/10W		
R136			RK73FB2A103J	CHIP R 10K J 1/10W		

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NO.14

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
R137 R138 R139 R141 R143			RK73FB2A223J RK73FB2A103J RK73FB2A223J RK73FB2A223J RK73FB2A223J	CHIP R 22K J 1/10W CHIP R 10K J 1/10W CHIP R 22K J 1/10W CHIP R 22K J 1/10W CHIP R 22K J 1/10W		
R145 R147 R148 R149 R150			RK73FB2A223J RK73FB2A223J RK73EB2B103J RK73FB2A223J RK73FB2A103J	CHIP R 22K J 1/10W CHIP R 22K J 1/10W CHIP R 10K J 1/8W CHIP R 22K J 1/10W CHIP R 10K J 1/10W		
R152 R154 R155,156 R157 R158			RK73FB2A223J RK73FB2A364J RK73FB2A472J RK73FB2A364J RK73FB2A472J	CHIP R 22K J 1/10W CHIP R 360K J 1/10W CHIP R 4.7K J 1/10W CHIP R 360K J 1/10W CHIP R 4.7K J 1/10W	YM	
R159 R164 R165,166 R167 R168			RK73FB2A364J RK73FB2A364J RK73FB2A472J RK73FB2A364J RK73FB2A472J	CHIP R 360K J 1/10W CHIP R 360K J 1/10W CHIP R 4.7K J 1/10W CHIP R 360K J 1/10W CHIP R 4.7K J 1/10W		
R169,170 R171,172 R173 R174 R175,176			RK73FB2A364J RK73FB2A472J RK73FB2A364J RK73FB2A472J RK73FB2A364J	CHIP R 360K J 1/10W CHIP R 4.7K J 1/10W CHIP R 360K J 1/10W CHIP R 4.7K J 1/10W CHIP R 360K J 1/10W		
R177,178 R179 R180 R181 R194			RK73FB2A472J RK73FB2A364J RK73FB2A362J RK73FB2A364J RK73FB2A104J	CHIP R 4.7K J 1/10W CHIP R 360K J 1/10W CHIP R 3.6K J 1/10W CHIP R 360K J 1/10W CHIP R 100K J 1/10W		
R301 R307,308 R309,310 R311,312 R313,314			RK73FB2A101J RK73FB2A101J RK73FB2A301J RK73FB2A471J RK73FB2A152J	CHIP R 100 J 1/10W CHIP R 100 J 1/10W CHIP R 300 J 1/10W CHIP R 470 J 1/10W CHIP R 1.5K J 1/10W		
R315,316 R317,318 R319 R321 R325,326			RK73FB2A103J RK73FB2A102J RK73FB2A152J RK73FB2A152J RK73FB2A103J	CHIP R 10K J 1/10W CHIP R 1.0K J 1/10W CHIP R 1.5K J 1/10W CHIP R 1.5K J 1/10W CHIP R 10K J 1/10W		
R327,328 R340,341 R347 R351,352 W202,203			RK73FB2A102J RD14NB2E470J RD14NB2E101J RK73FB2A104J R92-0670-05	CHIP R 1.0K J 1/10W RD 47 J 1/4W RD 100 J 1/4W CHIP R 100K J 1/10W CHIP R 0 OHM		
W205 W207 W209 W210 W215			R92-0670-05 R92-0679-05 R92-0670-05 R92-0679-05 R92-0670-05	CHIP R 0 OHM CHIP R 0 OHM CHIP R 0 OHM CHIP R 0 OHM CHIP R 0 OHM		
W216,217 W223 W225			R92-0679-05 R92-0670-05 R92-0670-05	CHIP R 0 OHM CHIP R 0 OHM CHIP R 0 OHM		
S1-8			S70-0031-05	TACT SWITCH		

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NO.15

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
S10			S70-0031-05	TACT SWITCH		
S12			S70-0031-05	TACT SWITCH		
S14-32			S70-0031-05	TACT SWITCH		
S33			T99-0559-05	ROTARY ENCODER		
D1			HSS104A	DIODE		
D1			1SS131	DIODE		
D3-15			HSS104A	DIODE		
D3-15			1SS131	DIODE		
D16			MA111	DIODE	YM	
D17			HSS104A	DIODE	XTEG	
D17			1SS131	DIODE	XTEG	
D20			HSS104A	DIODE	T	
D20			1SS131	DIODE	T	
D21			HSS104A	DIODE	YMXEG	
D21			1SS131	DIODE	YMXEG	
D22			MA111	DIODE	YM	
D23			HSS104A	DIODE	XEG	
D23			1SS131	DIODE	XEG	
D24-27			MA111	DIODE		
D28-39			HSS104A	DIODE		
D28-39			1SS131	DIODE		
D40-43			MA111	DIODE		
D44			HSS104A	DIODE		
D44			1SS131	DIODE		
D50-55			HSS104A	DIODE		
D50-55			1SS131	DIODE		
D68			HZS5.1N(B2)	ZENER DIODE		
D68			RD5.1ES(B2)	ZENER DIODE		
D72			HSS104A	DIODE		
D72			1SS131	DIODE		
D73,74			MA111	DIODE		
D75-80			HSS104A	DIODE		
D75-80			1SS131	DIODE		
D301			HZS3.9N(B2)	ZENER DIODE		
D301			RD3.9ES(B2)	ZENER DIODE		
ED1		*	BJ344GK	INDICATOR TUBE		
ED1		*	FIP8AMW6R	INDICATOR TUBE		
IC1		*	M38198MC-053FP	MI-COM IC		
IC2		*	NJU3718G	MOS-IC		
IC3		*	PST993D-T	ANALOGUE IC		
IC3			S-806D-Z	ANALOGUE IC		
IC4,5			NJM4565D	IC(OP AMP X2)		
IC301			NJM4565D-D	IC(OP AMP X2)		
Q9			2SA1576	TRANSISTOR	YM	
Q10			2SA1576	TRANSISTOR		
Q12-24			2SA1576	TRANSISTOR		
Q301,302			2SC1845(F,E)	TRANSISTOR		
Q303-306			2SC2878(B)	TRANSISTOR		
Q307-310			2SC1845(F,E)	TRANSISTOR		
Q311,312			2SA992(F,E)	TRANSISTOR		
Q313			2SA1048(Y,GR)	TRANSISTOR		
Q313			2SA1309A(Q,R)	TRANSISTOR		
A1			W02-1174-05	ELECTRIC CIRCUIT MODULE		
A1			W02-1191-05	ELECTRIC CIRCUIT MODULE		

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NO.16

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C1,2			CK45FB1H821K	CERAMIC 820PF K		
C3,4			CE04LW1V100M	ELECTRO 10UF 35WV		
C5,6			CK45FB1H391K	CERAMIC 390PF K		
C7,8			CE04LW1C470M	ELECTRO 47UF 16WV		
C9,10			CQ93FMG1H153J	MYLAR 0.015UF J		
C11,12			CK45FB1H222K	CERAMIC 2200PF K		
C13-18			CC45FSL1H221J	CERAMIC 220PF J		
REC/PLAYBACK UNIT (X28-)						
C19,20			CK45FB1H821K	CERAMIC 820PF K		
C21,22			CE04LW1V100M	ELECTRO 10UF 35WV		
C23,24			CK45FB1H391K	CERAMIC 390PF K		
C25,26			CE04LW1C470M	ELECTRO 47UF 16WV		
C27,28			CQ93FMG1H153J	MYLAR 0.015UF J		
C29,30			CK45FB1H682K	CERAMIC 6800PF K		
C31,32			CE04LW1HR47M	ELECTRO 0.47UF 50WV		
C33,34			CQ93FMG1H333J	MYLAR 0.033UF J		
C35,36			CK45FB1H222K	CERAMIC 2200PF K		
C37-40			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C41,42			CQ93FMG1H393J	MYLAR 0.039UF J		
C43,44			CE04LW1H0R1M	ELECTRO 0.1UF 50WV		
C45,46			CE04LW1V100M	ELECTRO 10UF 35WV		
C47,48			CE04LW1HR47M	ELECTRO 0.47UF 50WV		
C49,50			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C51,52			CE04LW1A101M	ELECTRO 100UF 10WV		
C53,54			CE04LW1H2R2M	ELECTRO 2.2UF 50WV		
C101			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C102			CE04LW1C220M	ELECTRO 22UF 16WV		
C103			CE04LW1C101M	ELECTRO 100UF 16WV		
C104			CE04LW1H0R1M	ELECTRO 0.1UF 50WV		
C105			CQ93FMG1H103J	MYLAR 0.010UF J		
C106			CK45FB2H471K	CERAMIC 470PF K		
C107			CQ93HP2A103J	MYLAR 0.010UF J		
C109			CE04LW1V100M	ELECTRO 10UF 35WV		
C110			CQ93FMG1H103J	MYLAR 0.010UF J		
C111,112			CQ93FMG1H332J	MYLAR 3300PF J		
C114,115			CK45FF1H103Z	CERAMIC 0.010UF Z		
C116,117			CE04LW1C101M	ELECTRO 100UF 16WV		
C118			CK45FF1H103Z	CERAMIC 0.010UF Z		
C119			CC45FSL1H271J	CERAMIC 270PF J		
C120			CC45FSL1H271J	CERAMIC 270PF J		
CN1			E40-3247-05	PIN ASSY		
CN2			E40-3249-05	PIN ASSY		
CN3,4			E40-4609-05	PIN ASSY		
CN5			E40-0512-05	PIN ASSY		
CN6			E40-4804-05	SOCKET FOR PIN ASSY		
L1-4			L40-1035-20	SMALL FIXED INDUCTOR(10MH,J)		
L5,6			L79-1201-05	LC FILTER		
L9			L32-0572-05	BIAS OSCILATING COIL		
R120			RD14NB2E100J	RD 10 J 1/4W		
R165			RD14NB2E100J	RD 10 J 1/4W		
VR1-4			R12-0606-05	TRIMMING POT.(330)		
VR5,6			R12-5651-05	TRIMMING POT.(100K)		
VR52			R12-1619-05	TRIMMING POT.(4.7K)		

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NO. 17

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
K1 K1			S51-2089-05 S76-0018-05	MAGNETIC RELAY MAGNETIC RELAY		
D1,2 D4-6 D4-6 D7 D7			HSS104 HSS104 1SS133 HZS2.7N(B) RD2.7ES(B2)	DIODE DIODE DIODE ZENER DIODE ZENER DIODE		
D8 D8 IC1,2 IC3 IC5			HSS104 1SS133 TA8125S HA12182F BA10393	DIODE DIODE IC(2CH PRE AMP) ANALOGUE IC IC(DUAL COMPARATOR)		
IC6,7 Q1,2 Q1,2 Q3,4 Q3,4			BU4094BC DTC124ES UN4212 2SD1302(S,T) 2SD1450(S,T)	MOS-IC DIGITAL TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q51 Q51 Q52 Q52 Q52			DTC124ES UN4212 2SC1740S(Q,R) 2SC2458(Y,GR) 2SC2785(F,E)	DIGITAL TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q52 Q53 Q53 Q54,55 Q56,57			2SC3311A(Q,R) DTA124ES UN4112 2SC1845(F,E) 2SC1740S(Q,R)	TRANSISTOR DIGITAL TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q56,57 Q56,57 Q56,57 Q58 Q59			2SC2458(Y,GR) 2SC2785(F,E) 2SC3311A(Q,R) 2SC3940A(R,S) 2SC1740S(Q,R)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q59 Q59 Q59 Q60 Q61			2SC2458(Y,GR) 2SC2785(F,E) 2SC3311A(Q,R) 2SA992(F,E) DTC124ES	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR DIGITAL TRANSISTOR		
Q61 Q63-65			UN4212 2SC3246	TRANSISTOR TRANSISTOR		
CD PLAYER UNIT (X32-)						
C1 C2 C3 C4 C5			CQ93FMG1H103J CQ93FMG1H472J CC45FSL1H470J CF92FV1H474J CE04LW1A101M	MYLAR 0.010UF J MYLAR 4700PF J CERAMIC 47PF J MF-C 0.47UF J ELECTRO 100UF 10WV		
C6 C7 C8 C9 C10			CQ93FMG1H104J CE04HW1H2R2M CQ93FMG1H104J CQ93FMG1H333J CC45FSL1H101J	MYLAR 0.10UF J NP-ELEC 2.2UF 50WV MYLAR 0.10UF J MYLAR 0.033UF J CERAMIC 100PF J		
C11 C12 C13			CQ93FMG1H102J CC45FSL1H221J CQ93FMG1H473J	MYLAR 1000PF J CERAMIC 220PF J MYLAR 0.047UF J		

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NO. 18

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C14 C15 C16-18 C19 C20			CE04LW1V100M CE04HW1E100M CQ93FMG1H103J CQ93FMG1H333J CE04LW0J331M	ELECTRO 10UF 35WV NP-ELEC 10UF 25WV MYLAR 0.010UF J MYLAR 0.033UF J ELECTRO 330UF 6.3WV		
C21 C22 C23 C24,25 C26			CK45FF1H103Z CE04LW1A101M CF92FV1H224J CE04LW1A101M CC45FSL1H270J	CERAMIC 0.010UF Z ELECTRO 100UF 10WV MF-C 0.22UF J ELECTRO 100UF 10WV CERAMIC 27PF J		
C27 C28 C29 C30 C35,36			CQ93FMG1H222J CQ93FMG1H333J CQ93FMG1H103J CQ93FMG1H222J CE04HW1H010M	MYLAR 2200PF J MYLAR 0.033UF J MYLAR 0.010UF J MYLAR 2200PF J NP-ELEC 1.0UF 50WV		
C37 C38 C39 C40 C41			CE04LW1A470M CQ93FMG1H332J CK45FF1H103Z CQ93FMG1H473J CQ93FMG1H152J	ELECTRO 47UF 10WV MYLAR 3300PF J CERAMIC 0.010UF Z MYLAR 0.047UF J MYLAR 1500PF J		
C42 C43 C45 C46 C55			CQ93FMG1H103J CE04LW1HR47M CE04LW0J331M CE04LW1A470M CE04LW0J331M	MYLAR 0.010UF J ELECTRO 0.47UF 50WV ELECTRO 330UF 6.3WV ELECTRO 47UF 10WV ELECTRO 330UF 6.3WV		
C56 C57,58 C59-62 C63,64 C65,66			CE04LW1A331M CC45FSL1H221J CQ93FMG1H391K CQ93FMG1H222J CE04LW1H010M	ELECTRO 330UF 10WV CERAMIC 220PF J MYLAR 390PF K MYLAR 2200PF J ELECTRO 1.0UF 50WV		
C67 C68,69 C70 C71 C72			CE04LW1A101M CE04LW1A471M CE04LW1HR47M CE04LW1A470M CE04LW1C470M	ELECTRO 100UF 10WV ELECTRO 470UF 10WV ELECTRO 0.47UF 50WV ELECTRO 47UF 10WV ELECTRO 47UF 16WV		
C73 C74,75 C76 C77 C79-82			CK45FF1H223Z CE04LW1V100M CC45FSL1H331J CC45FSL1H271J CK45FF1H223Z	CERAMIC 0.022UF Z ELECTRO 10UF 35WV CERAMIC 330PF J CERAMIC 270PF J CERAMIC 0.022UF Z		
CN1 CN2 CN3 CN4 CN5	11		E40-4856-05 E40-0711-05 E40-4377-05 E40-4763-05 E40-3247-05	FLAT CABLE CONNECTOR PIN ASSY PIN ASSY PIN ASSY PIN ASSY		
CN6 CN7	1J		E40-4762-05 E40-4173-05	PIN ASSY FLAT CABLE CONNECTOR		
L1 X1			J11-0098-05 L40-1001-17 L78-0299-05	WIRE CLAMP SMALL FIXED INDUCTOR(10UH,K) RESONATOR (16.93M)		
VR1 VR3			R12-3688-05 R12-3685-05	TRIMMING POT.(47K) TRIMMING POT.(10K)		

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NO. 19

Ref. No.	Add- ress	New Parts	Parts No.	Description	Desti- nation	Re- marks
VR4			R12-3687-05	TRIMMING POT.(33K)		
D1-6			HSS104	DIODE		
D1-6			1SS133	DIODE		
D7			HZS3.3N(B2)	ZENER DIODE		
D7			MTZJ3.3(B)	ZENER DIODE		
D7			RD3.3ES(B2)	ZENER DIODE		
D10,11			HSS104	DIODE		
D10,11			1SS133	DIODE		
IC1			CXA1782BQ	MOS-IC		
IC2		*	CXD2508AQ	MOS-IC		
IC3			BA6398FP	ANALOGUE IC		
IC4,5			TA8409S	IC(MOTOR CONTROL)		
IC6		*	BU4094BC	MOS-IC		
IC7			NJM2100D	ANALOGUE IC		
IC8			M5237L	ANALOGUE IC		
Q1			2SC1740S(Q,R)	TRANSISTOR		
Q1			2SC2458(Y,GR)	TRANSISTOR		
Q1			2SC2785(F,E)	TRANSISTOR		
Q1			2SC3311A(Q,R)	TRANSISTOR		
Q2			2SA954(L,K)	TRANSISTOR		
Q3			DTA124ES	DIGITAL TRANSISTOR		
Q3			UN4112	TRANSISTOR		
Q4			2SA954(L,K)	TRANSISTOR		
Q5			2SC1740S(Q,R)	TRANSISTOR		
Q5			2SC2458(Y,GR)	TRANSISTOR		
Q5			2SC2785(F,E)	TRANSISTOR		
Q5			2SC3311A(Q,R)	TRANSISTOR		
Q6			2SA1534A(R,S)	TRANSISTOR		
Q7			DTC124ES	DIGITAL TRANSISTOR		
Q7			UN4212	TRANSISTOR		
Q8			2SB1375	TRANSISTOR		
Q8			2SB1565(E,F)	TRANSISTOR		
Q9,10			2SA1048(Y,GR)	TRANSISTOR		
Q9,10			2SA1175(F,E)	TRANSISTOR		
Q9,10			2SA1309A(Q,R)	TRANSISTOR		
Q9,10			2SA933S(Q,R)	TRANSISTOR		
Q11,12			2SC2878(B)	TRANSISTOR		
CD PLAYER MECHANISM						
101	3B		A10-3119-08	CHASSIS (MAIN)		
102	3A		A15-0089-08	FRAME (MD-B)		
105	2A	*	D10-3533-08	SLIDER (LIFT)		
107	2B	*	D10-3459-08	LEVER (LOCK)		
108	2A		D10-3480-08	LEVER (BRAKE)		
109	2B		D10-3496-08	FRICTION ARM ASSY		
110	2A	*	D10-3606-08	FEED SHAFT		
113	1A		D13-1599-08	GEAR (IDLER)		
114	2B		D13-1600-08	GEAR (LOAD)		
115	2B		D13-1601-08	GEAR (CENTER)		
117	3A		D13-1603-08	CAM GEAR(UP/DOWN)		
118	1A		D13-1604-08	GEAR (HELICAL)		
119	2A	*	D13-1720-08	GEAR		
120	2B,3B		D14-0361-08	ROLLER (TRAY)		
122	2B		D15-0366-08	PULLEY (LOAD)		

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NO. 20

Ref. No.	Add- ress	New Parts	Parts No.	Description	Desti- nation	Re- marks
123	2B		D16-0363-08	DRIVE BELT		
125	2B		D21-1762-08	SHAFT (PULLEY)		
132	1B,2B		E35-0811-08	3P WIRE		
133	1B,3B	*	E35-1184-08	6P WIRE		
134	1B,2A	*	E35-1185-08	6P FLAT WIRE		
135	1B,3A	*	E35-1186-08	6P WIRE (TU-D)		
136	1B,3A	*	E35-1187-08	16P FFC		
137	3A		E40-3264-05	CONNECTOR		
140	1A		F07-0732-08	COVER (TRAY)		
141	2B		F07-0736-08	COVER		
145	3A	*	G01-3806-08	SPRING (MD-G)		
146	3A	*	G01-3807-08	SPRING (MD-H)		
148	3A		G01-3663-08	SPRING (CAM)		
149	2B		G01-3664-08	SPRING (LOCK)		
150	2A		G01-3665-08	SPRING (BRAKE)		
151	2A	*	G01-3768-08	SPRING (LEFT)		
152	1A,1B		G16-0821-04	SHEET (TRAY)		
153	3B	*	G16-0856-08	FILAMENT TAPE		
155	2A	*	J02-1133-08	INSULATOR		
156	2B		J11-0301-08	CLAMP		
157	1B	*	J19-3758-08	BRACKET (CLAMP)		
158	2B		J19-3660-08	BRACKET (GEAR)		
159	2B,3B		J19-3661-08	BRACKET (TRAY)		
160	3B		J61-0081-05	SK BINDER	SKB-100	
161	1A		J99-0541-08	TRAY (SLIDE)		
162	1A		J99-0542-08	TRAY (ROTARY)		
L			N09-2658-08	SCREW		
M			N09-3053-08	SCREW		
N			N09-3107-08	SCREW		
P	*		N09-3140-08	SCREW		
Q	*		N09-3141-08	SCREW		
165	2B		S33-2061-05	LEVER SWITCH		
166	1A,2A		S64-0015-08	LEVER SWITCH	JPS1220-0201	
167	3A		S74-0038-08	LEAF SWITCH		
170	1B		T50-1055-04	YOKE		
171	1B		T99-0544-05	MAGNET		
DM	3A	*	A11-1082-08	TT CHASSIS ASSY		
FM	3A		T42-0817-08	MOTOR GEAR (FEED)		
LM	3B		T42-0682-08	MOTOR PULLEY ASSY		
PU	3A		T25-0041-05	PICKUP (KSS-213B/S-N)		
RTM	2B		T42-0683-08	MOTOR WORM ASSY		
CASSETTE DECK MECHANISM						
401	2C,3E		A10-3174-08	HEAD CHASSIS		
403	2D,3E	*	A10-3241-08	CHSSIS OUTSART ASSY (ONE WAY)		
405	1E	*	D01-0187-08	FLYWHEEL (RW-A) ASSY		
406	2F	*	D01-0188-08	FLYWHEEL (RW-B) ASSY		
407	1C	*	D10-3468-08	INTER LOCK ARM (L)(A DECK)		
408	3F		D10-3469-08	INTER LOCK ARM (R)(B DECK)		
409	2D,3E		D10-3470-08	TRIGGER ARM		

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NO. 21

Ref. No.	Add- ress	New Parts	Parts No.	Description	Desti- nation	Re- marks
412	1C		D10-3476-08	EJECT LEVER (L) (A DECK)		
413	3E		D10-3477-08	EJECT LEVER (R) (B DECK)		
414	2C,3D		D10-3478-08	SELET LEVER		
415	1D,2E		D10-3479-08	SHIFT LEVER		
416	2C,3D		D10-3480-08	C/R LEVER		
421	1C,2D		D13-1616-08	REW GEAR		
422	2C,2D		D13-1617-08	REEL GEAR		
423	1D,2F		D13-1618-08	IDLER GEAR		
425	1D,2E		D13-1622-08	CAM GEAR		
426	2D,2E		D14-0367-08	PINCH ARM (R) ASSY		
428	1D,2F		D15-0369-08	IDLER PULLEY		
429	2F	*	D16-0393-08	DRIVE BELT (BW)		
430	1E	*	D16-0394-08	DRIVE BELT (AW)		
432	1E,2F	*	D16-0391-08	CLUTCH BELT		
433	2C,3D		D19-0270-18	REEL CAP (A)		
434	1C,1E		D19-0287-18	CLUTCH ARM ASSY		
439	1E,1F		E35-0396-08	15P FLAT RIBBON WIRE		
440	3C	*	E35-1242-08	3P HEAD WIRE ASSY (A DECK)		
441	3D	*	E35-1243-08	5P HEAD WIRE ASSY (B DECK)		
442	1F		E35-0986-08	MOTOR WIRE		
444	3C		G01-2435-08	HEAD SPRING		
445	2C,3D		G01-3709-08	B.T SPRING		
446	1C,2D		G01-3710-08	SHIFT LEVER SP		
447	2D,3E		G01-3711-08	TRIGGER ARM SP		
449	1C,3F		G01-3713-08	EJECT SP		
450	2C,3D		G01-3714-08	C/R LEVER SP		
451	2C,3D		G01-3715-08	SELECT SP		
452	2C,3D		G01-3716-08	SHIFT SP		
453	1C		G01-3717-08	INTER LOCK SP (L)		
456	3F		G01-3723-08	INTER LOCK SP (R)		
457	2C,3D		G01-3739-08	HEAD CHSSIS SP		
458	2D,3E		G01-3721-08	BRAKE SP (R)		
459	1C,2E		G01-3722-08	BRAKE SP (L)		
460	1D,2E		G01-3724-08	CLUTCH ARM SPRING (B)		
461	1D,2E		G01-3725-08	CLUTCH SP		
462	1C,2D		G02-0913-08	PACK SPRING		
464	2C,3D	*	G02-1071-08	LIFT BKT		
466	1D,2F		G11-2205-08	TUBE		
467	2D,3E		G16-0791-08	REFLECT SEAL		
470	1E,2F		J19-3652-08	CABLE HOLDER		
471	3C	*	J19-5610-08	HEAD BASE (1WAY)		
473	2D	*	J21-6308-08	MECHA BKT		
474	2C,3D		J42-0183-08	REEL BUSH		
475	2D,3E		J69-0086-08	FILAMENT TAPE		
477	2C,3D	*	J90-0832-08	SHIFT SPRING GUIDE		
AA			N19-1316-08	POLY WASHER		
AB			N19-1354-08	NYLON WASHER		
AC			N19-1288-08	POLY WASHER		
AE			N19-1385-08	POLY WASHER		
AF			N19-1386-08	POLY WASHER		
AG			N19-1387-08	TEFLON WASHER		
AH			N19-1388-08	POLY WASHER		
AK		*	N09-2655-08	SCREW (PL)		

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NO.22

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S			N09-1497-08	TAP TITE SCREW		
T			N09-2871-08	TAPPING SCREW		
V		*	N09-3135-08	BIND TAP TITE SCREW		
W		*	N09-3195-08	TAP TITE SCREW		
X		*	N09-3196-08	BINDING SCREW		
480	1E,2F		S74-0033-08	REC SWITCH		
481	1E,2F		S74-0042-08	PLAY SWITCH		
482	3C	*	T32-0308-08	TAPE GUIDE		
484	1E,2F		T94-0233-08	SOLENOID ASSY		
485	1E,2F		T95-0125-08	PHOTO INTERRUPTER		
EH	3C	*	T32-0327-08	ERASE HEAD LE15B-C1		
MM	2F	*	T42-0813-08	MOTOR ASSY		
PH,RPH	3C	*	T34-0347-08	R/P HEAD MS15R-AA2N1		

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PARTS LIST

RXD-F2/L

RXD-F2/L

SPECIFICATIONS

Main unit(RXD-F2) For U.S.A. and Canada

Amplifier section

Rated power output

30 watts per channel minimum RMS, both channels driven,
at 6Ω from 80Hz to 15kHz with no more than 0.5% total
harmonic distortion.(FTC)

Main unit(RXD-F2/L) For U.K. and Europe

Amplifier section

Rated power output

34 watts per channel minimum RMS, both channels driven,
at 6Ω, 1 kHz with no more than 5 % total harmonic distortion.
(DIN) 1 kHz at 6Ω, 0.7 % T.H.D.....25W+25W

Input sensitivity / Impedance

AUX200mV / 47kΩ

MIC2.4mV / 2.2kΩ

Signal to noise ratio

AUX86dB(IHF'66)

FM Tuner section

Tuning frequency range..... 87.5MHz~108MHz

Sensitivity (IHF)13.2dBf(1.2μV at 75Ω)

AM Tuner section (For U.S.A. and Canada)

Tuning frequency range.....530 kHz~1,700 kHz

Usable sensitivity 12μV / (500μV / m)

MW Tuner section (For U.K. and Europe)

Tuning frequency range531kHz ~ 1,602kHz

Usable sensitivity22μV

LW Tuner section

Tuning frequency range153kHz ~ 279kHz

Usable sensitivity22μV

Cassette deck section (For U.K. and Europe)

Track.....4-track, 2-channel stereo

Recording system.....AC bias system
(Frequency: 105 kHz)

Heads

A deck Playback head1

B deck Playback / recording head1

Erasing head.....1

Motors1

Fast winding time.....Approx. 120 seconds
(C-60 tape)

CD player section

Laser.....Semiconductor laser

Playing rotation..... 200rpm~500rpm(CLV)

Wow & Flutter..... Unmeasurable Limit

General

Power consumption100W

Dimensions.....W: 270mm(10-5/8")

H : 305mm(12")

D : 341mm(13-7/16")

Weight (net).....8kg(17.6lb)

Note:

Component and circuitry are subject to modification to insure best operation under differing local conditions. This manual is based on the U.S.A. (K) standard, and provides information on regional circuit modification through use of alternate schematic diagrams, and information on regional component variations through use of parts list.

KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

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