MINI COMPONENT SYSTEM

CC-75

SERVICE MANUAL

This system is composed of RX-S75, CDC-S75, KXW-S75 and NX-S75.

U ..... U.S.A. model
C ..... Canadian model
A ..... Australian model
B ..... British model
G ..... European model
R ..... General model
L ..... Singapore model

IMPORTANT NOTICE

This manual has been provided for the use of authorized YAMAHA Retailers and their service personnel.
It has been assumed that basic service procedures inherent to the industry, and more specifically YAMAHA Products, are already known and understood by the users, and have therefore not been restated.

WARNING: Failure to follow appropriate service and safety procedures when servicing this product may result in personal injury, destruction of expensive components, and failure of the product to perform as specified. For these reasons, we advise all YAMAHA product owners that any service required should be performed by an authorized YAMAHA Retailer or the appointed service representative.

IMPORTANT: The presentation or sale of this manual to any individual or firm does not constitute authorization, certification or recognition of any applicable technical capabilities, or establish a principle-agent relationship of any form.

The data provided is believed to be accurate and applicable to the unit(s) indicated on the cover. The research, engineering, and service departments of YAMAHA are continually striving to improve YAMAHA products. Modifications are, therefore, inevitable and specifications are subject to change without notice or obligation to retrofit. Should any discrepancy appear to exist, please contact the distributor's Service Division.

WARNING: Static discharges can destroy expensive components. Discharge any static electricity your body may have accumulated by grounding yourself to the ground buss in the unit (heavy gauge black wires connect to this buss).

IMPORTANT: Turn the unit OFF during disassembly and part replacement. Recheck all work before you apply power to the unit.

■ CONTENTS

100532

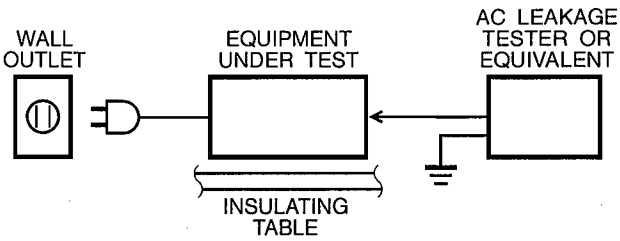
YAMAHA
YAMAHA CORPORATION
P.O.Box1,Hamamatsu,Japan

3.25K-83.938 Printed in Japan '95.11

■ TO SERVICE PERSONNEL

1. Critical Components Information.
   Components having special characteristics are marked and must be replaced with parts having specifications equal to those originally installed.
2. Leakage Current Measurement (For 120V Models Only).
   When service has been completed, it is imperative to verify that all exposed conductive surfaces are properly insulated from supply circuits.

- Meter impedance should be equivalent to 1500 ohm shunted by 0.15μF.
- Leakage current must not exceed 0.5mA.
- Be sure to test for leakage with the AC plug in both polarities.



CAUTION : USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

THE COMPACT DISC PLAYER SHOULD NOT BE ADJUSTED OR REPAIRED BY ANYONE EXCEPT PROPERLY QUALIFIED SERVICE PERSONNEL.

PROTECTION OF EYES FROM LASER BEAM DURING SERVICING

This set employs a laser. Therefore, be sure to carefully follow the instructions below when servicing .

1. Laser Diode Properties
   - Material : GaAlAs
   - Wavelength : 780 nm
   - Emission Duration : Continuous
   - Laser Output : max. 44.6 μW*

   * This output is the value measured at a distance of about 200 mm from the objective lens surface on the Optical Pick-up Block.

2. When checking the laser diode emission, keep your eyes more than 30 cm away from the objective lens.

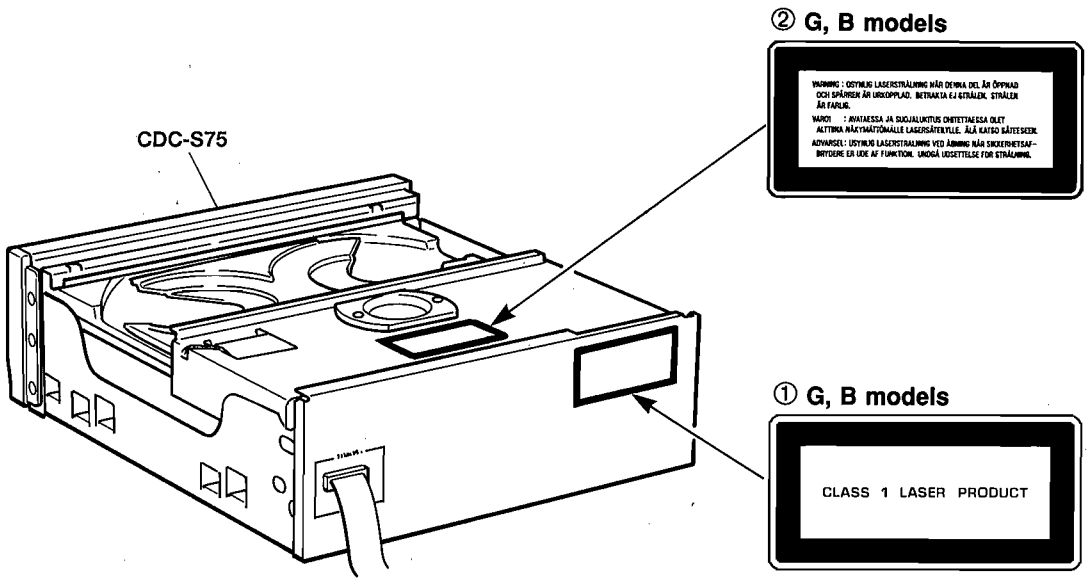
WARNING: CHEMICAL CONTENT NOTICE!

The solder used in the production of this product contains LEAD. In addition, other electrical/electronic and/or plastic (where applicable) components may also contain traces of chemicals found by the California Health and Welfare Agency (and possibly other entities) to cause cancer and/or birth defects or other reproductive harm.

DO NOT PLACE SOLDER, ELECTRICAL/ELECTRONIC OR PLASTIC COMPONENTS IN YOUR MOUTH FOR ANY REASON WHATSOEVER!

Avoid prolonged, unprotected contact between solder and your skin! When soldering, do not inhale solder fumes or expose eyes to solder/flux vapor!

If you come in contact with solder or components located inside the enclosure of this product, wash your hands before handling food.



English

① THIS LABEL (SEE POSITION SHOWN IN THE ILLUSTRATION) INFORMS THE USER THAT THE APPARATUS CONTAINS A LASER COMPONENT.

② THIS LABEL (SEE POSITION SHOWN IN THE ILLUSTRATION) WARNS THAT ANY FURTHER PROCEDURE WILL BRING THE USER INTO EXPOSURE WITH THE LASER BEAM.

CAUTION : USE OF CONTROLS, ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN, MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

Swedish

① DENNA MÄRKNING (SE FIGUR) UPPLYSER OM ATT DET I APPARATEN INGÅR EN LASERKOMPONENT AV TYP KLASS 1.

② VARNINGSMÄRKNING (SE FIGUR) FÖR STRÅLNING. INGREPP I APPARATEN BÖR ENDAST FÖRETAGAS AV FACKMAN MED KÅNNEDOM OM LASER. APPARATEN INNEHÄLLER EN LASERKOMPONENT SOM AVGER STRÅLNING ÖVERSTIGANDE GRÄNSEN FÖR LASERKLASS 1.

VARNING : OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD: BETRAKTA EJ STRÅLEN.

Danish

① DETTE MÆRKAT ER ANBRAGT SOM VIST I ILLUSTRATIONEN FOR AT ADVARE BRUGEREN OM AT APPARATET INDEHOLDER EN LASERKOMPONENT.

② DETTE MÆRKAT OM LASEREN ER ANBRAGT PÅ APPARATET SOM EN OPLYSNING OM AT APPARATET INDEHOLDER ET LASERKOMPONENT.

ADVARSEL : INDGREB BOR KUN FORETAGES AF EN FAGMAND DA DER ER RISIKO FOR RADIOAKTIV STRÅLING.

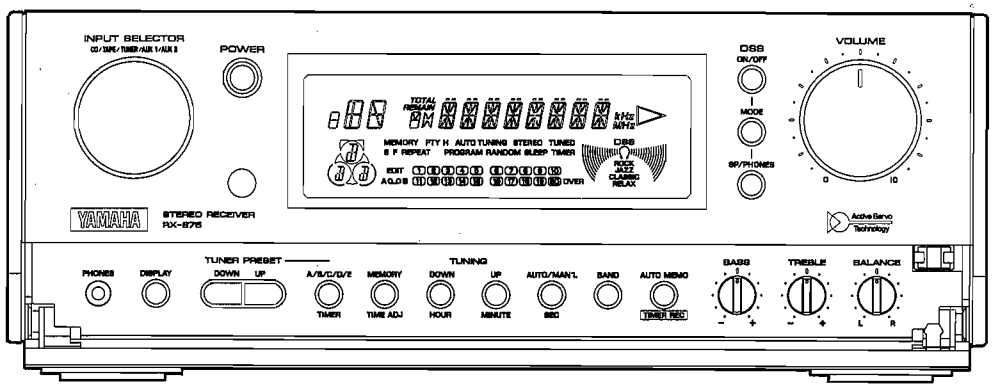
ADVARSEL : USYNLIG LASERSTRÅLING VED ÅBNING.
UNDGÅ UDSAETTELSE FOR STRÅLING.

Finnish

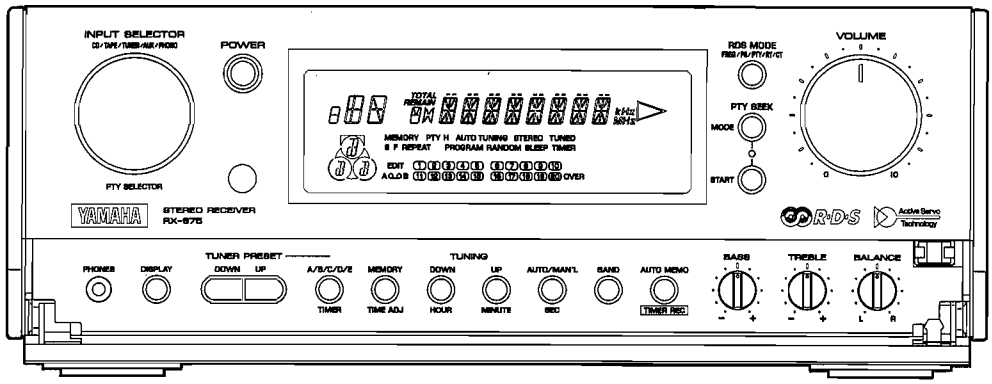
VARO! :
AVATTAESSA OLET ALTTIINA NÄKYMÄTTÖMÄLLE LASERSÄTEILYLLE. ÄLÄ KATSO SÄTEESEEN.

■ FRONT PANELS

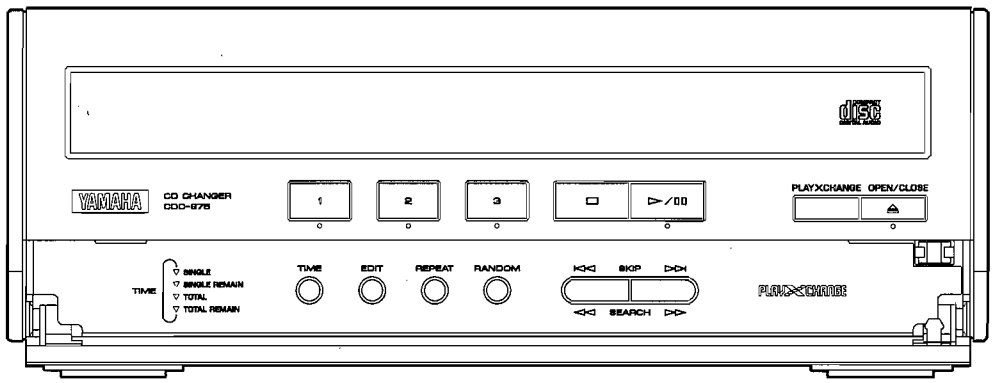
● RX-S75 U, C, A, R, L models



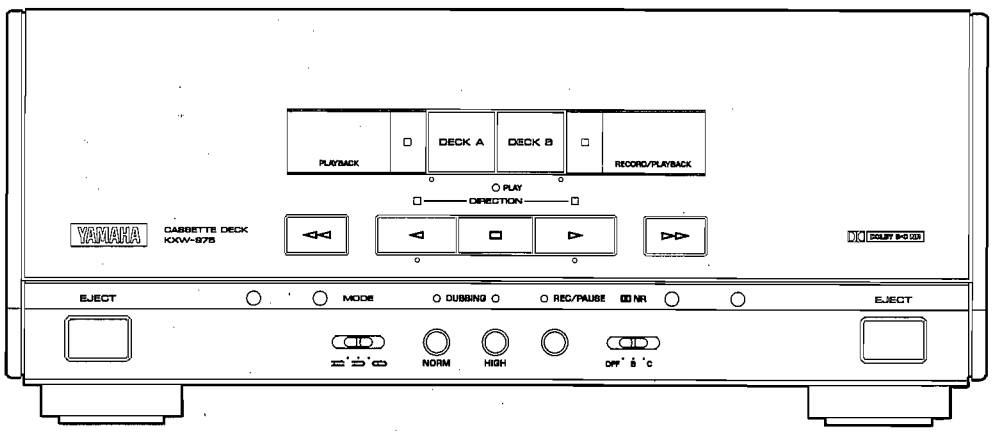
● RX-S75 B, G models



● CDC-S75

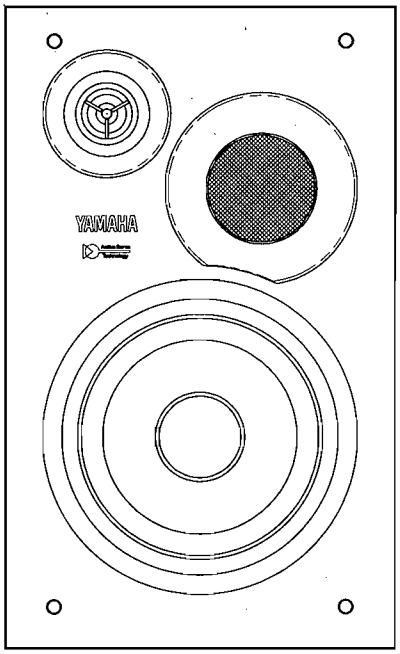


● KXW-S75

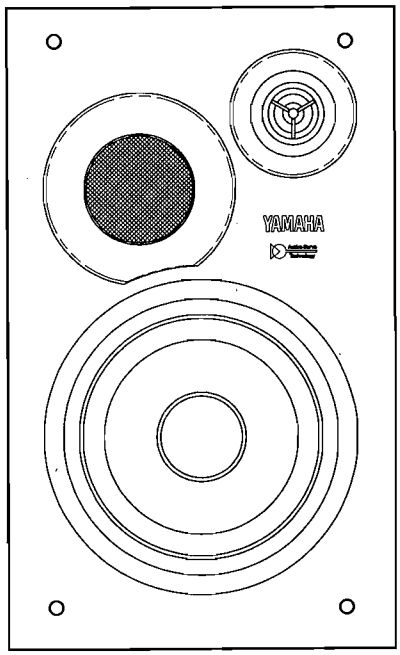


● NX-S75

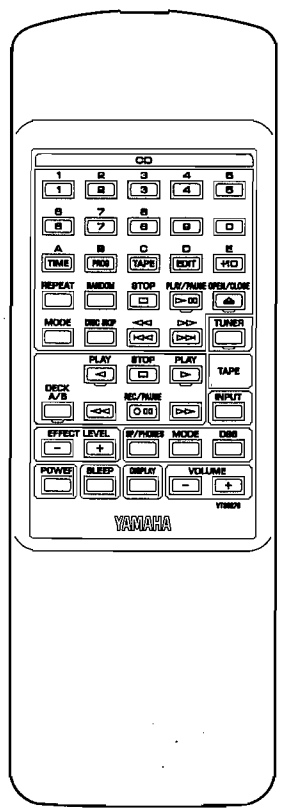
Left



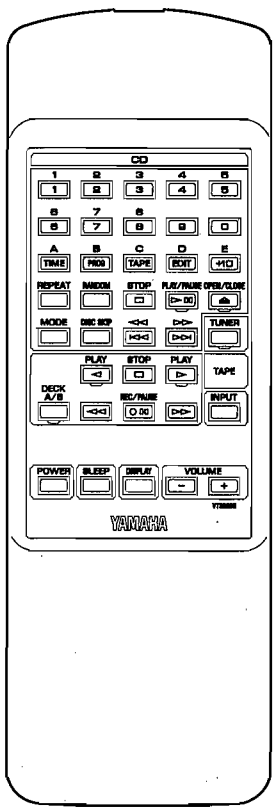
Right



● U, C, A, R, L models

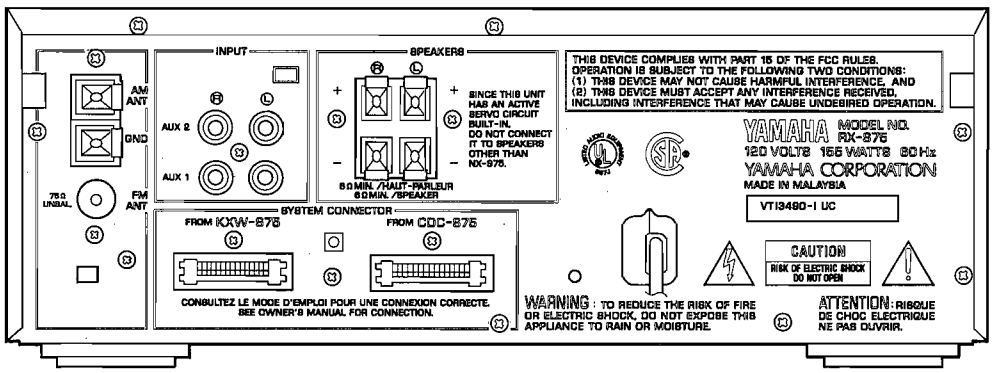


● B, G models

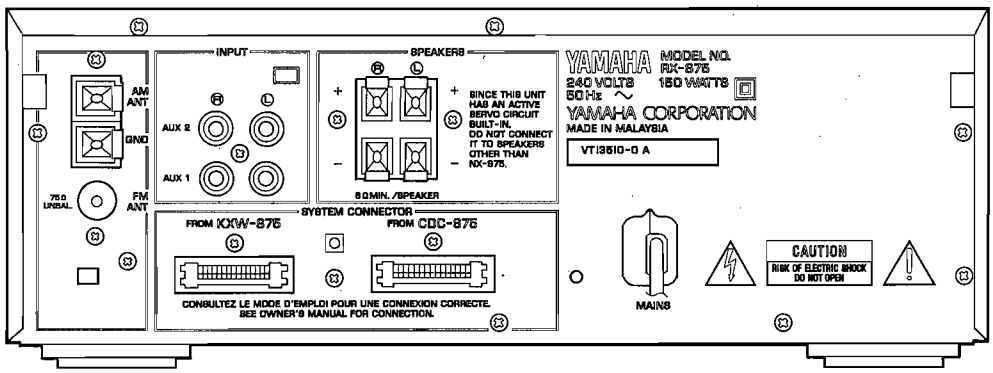


■ REAR PANELS

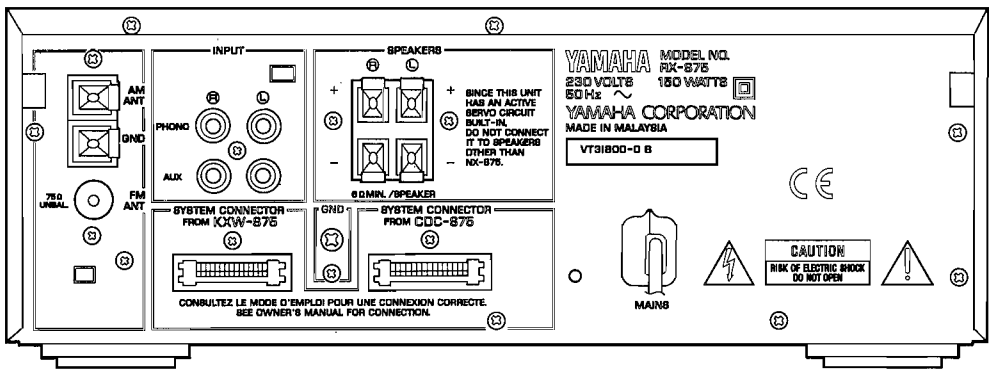
● RX-S75 U, C models



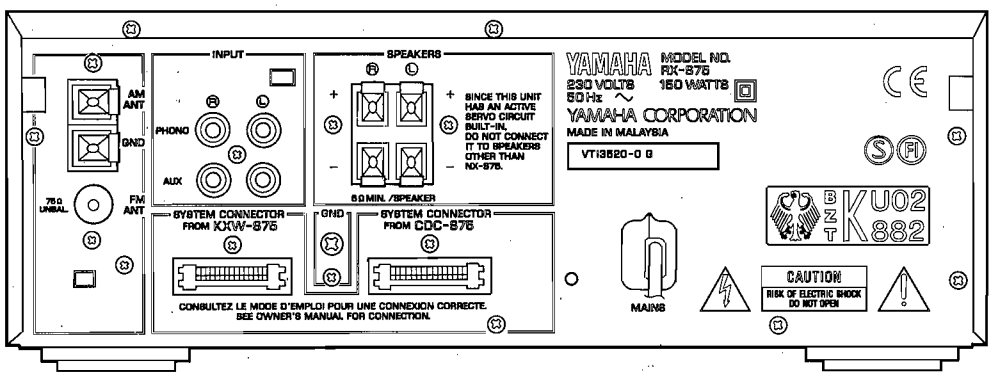
● RX-S75 A model



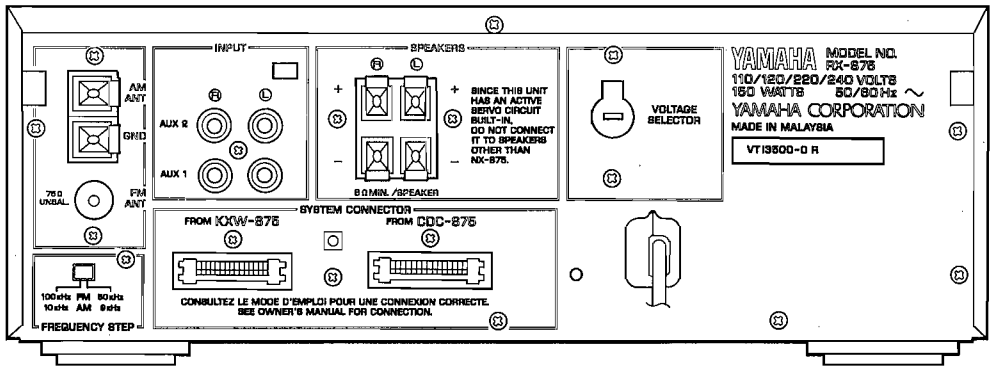
● RX-S75 B model



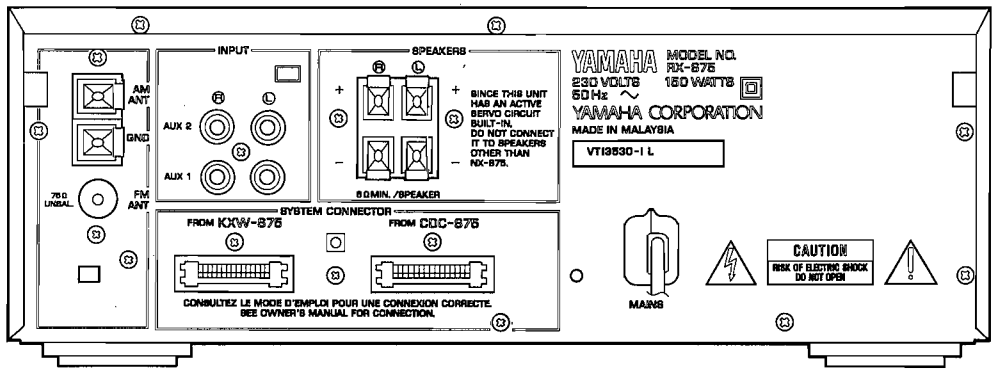
● RX-S75 G model



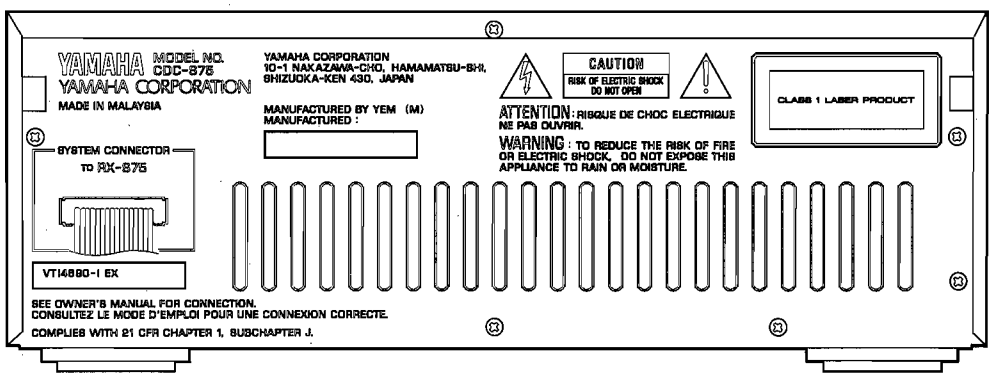
● RX-S75 R model



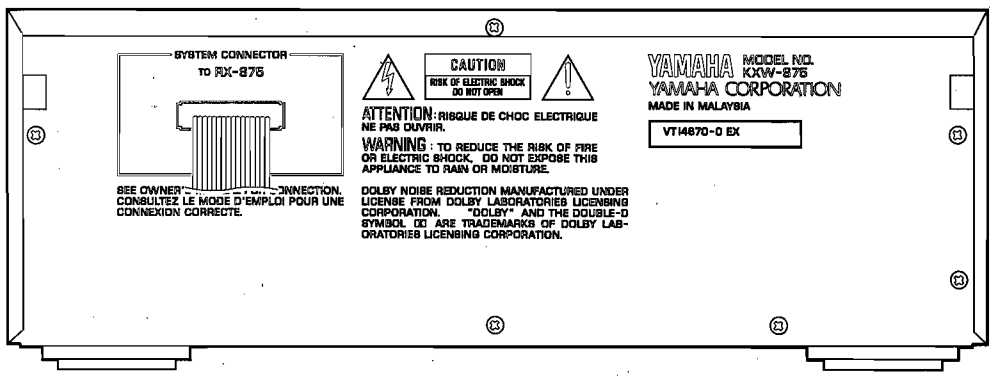
● RX-S75 L model



● CDC-S75



● KXW-S75



■ RX-S75 SPECIFICATIONS

■ AUDIO SECTION

Minimum RMS Output Power per Channel
6Ω, 1kHz, 0.08% THD 55W
6Ω, 1kHz, 10% THD
U, C, R, L models 75W

DIN Standard Output Power per Channel
1kHz, 1% THD, 6Ω
G model only 60W

IEC Power (1kHz, 0.1% THD, 6Ω)
G model only 55W

Input Sensitivity/Impedance
PHONO MM (B, G models only) 2.5mV/47kΩ
AUX 390mV/20kΩ

Headphone Output Impedance 68Ω

Total Harmonic Distortion (1kHz)
AUX to SP OUT (27.5W/6Ω) 0.08%

Signal-to-Noise Ratio (IHF-A Network)
AUX (Shorted) 90dB

Tone Control Characteristics
BASS : Boost/cut ..... 0±10dB (50Hz)
TREBLE : Boost/cut ..... 0±10dB (20kHz)

■ FM SECTION

Tuning Range
U, C models ..... 87.5 to 107.9MHz
A, B, G, R, L models ..... 87.50 to 108.00MHz
R model ..... 87.5 to 108.0MHz

Usable Sensitivity (75Ω)
(30dB S/N Quieting, MONO, 1kHz, 100% mod.)
U, C, R, L models 1.2μV (12.8dBf)
DIN, Mono (S/N 26dB) A, B, G models 1.5μV

■ AM SECTION

Tuning Range
U, C, R models ..... 530 to 1,710kHz
A, B, G, R, L models ..... 531 to 1,611kHz

Usable Sensitivity 280μV/m

■ LW SECTION (B, G only)

Tuning Range ..... 153 to 288kHz
Usable Sensitivity 560μV/m

■ CLOCK SECTION (Reference Rating)

MARKETS	METHOD	MONTHLY ERROR
U, C, R (100k/10k)	12 hours	±90 seconds
A, B, G, R (50k/9k)	24 hours	

■ GENERAL

Power Supply
U, C models ..... AC 120V, 60Hz
A model ..... AC 240V, 50Hz
B, G, L models ..... AC 230V, 50Hz
R model ..... AC 110/120/220/240V, 60/50Hz

Power Consumption
U, C models 155W
A, B, G, R, L models 150W

Dimensions (W x H x D) ..... 280 x 107.5 x 344.7mm
(11" x 4-1/4" x 13-9/16")

Weight ..... 6 kg (13 lbs. 3 oz.)

Accessories ..... AM loop antenna x 1
Indoor FM antenna x 1
Remote Control Transmitter x 1
Battery (size "AA", R06) x 2

** Specifications subject to change without notice.*

■ CDC-S75 SPECIFICATIONS

Type ..... 3 Disc Carousel Auto-changer
Signal Readout ..... Non-contact, 3-beam semi-conductor laser pick-up
D/A Converter ..... 1 bit DAC
Filter ..... 8-time oversampling 18-bit digital filter
Wow & Flutter ..... Unmeasurable
Power Source ..... AC supplies from RECEIVER unit
Dimensions (W x H x D) ..... 280 x 107.5 x 322.5 mm
(11" x 4-1/4" x 12-11/16")
Weight ..... 3.8kg (8 lbs 6 oz)

** Specifications subject to change without notice.*

■ KXW-S75 SPECIFICATIONS

Type ..... Auto Reverse
4-Track 2-Channel playback/recording and playback stereo double Cassette Deck
Heads
PB ..... Hard permalloy
REC/PB ..... Hard permalloy
Erase ..... Double Gap Ferrite
Motors ..... DC servo motor x 2
Wow & Flutter
W.PEAK ..... ±0.19%
W.RMS 0.09%
Fast Winding Time ..... about 120 seconds (C-60 tape)
Frequency Response (–20dB)
Type I/Normal tape ..... 30–15000Hz±3dB
Type II/High (CrO2) tape ..... 30–16000Hz±3dB
Type IV/Metal tape ..... 30–18000Hz±3dB
S/N Ratio
NR off 58dB
Dolby B NR on 66dB
Dolby C NR on 74dB
Harmonic Distortion ..... Less than 1.2%
Channel Separation (1kHz) ..... More than 40dB
Crosstalk (125Hz) ..... More than 55dB
Power Source ..... AC supplies from RECEIVER unit
Dimensions (W x H x D) ..... 280 x 117.5 x 325.5 mm (11" x 4-5/8" x 12-13/16")
Weight ..... 4.2kg (9 lbs 4 oz)

**Specifications subject to change without notice.*

* Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation. "DOLBY" and the double-D symbol ▯▯ are trademarks of Dolby Laboratories Licensing Corporation.

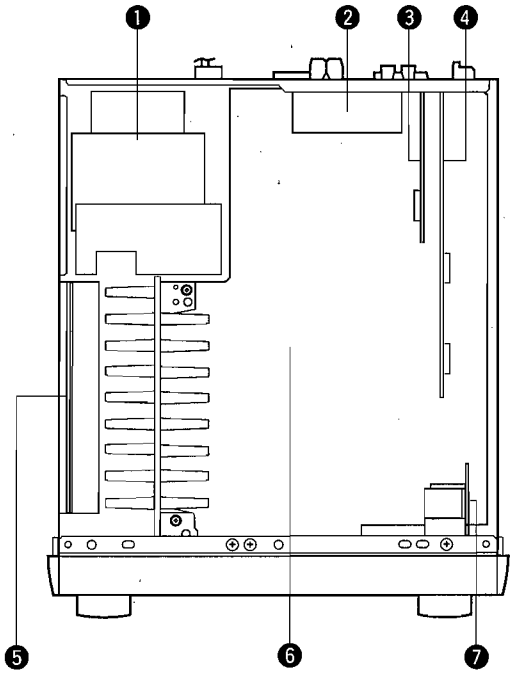
■ NX-S75 SPECIFICATIONS

Type ..... Active Servo Processing type
Speakers ..... 14cm (5-1/2") woofer
5 cm (2") tweeter
1.1cm (7/16") super tweeter
Frequency range ..... 40—20,000 Hz
Maximum power handling capacity ..... 75 W
Impedance ..... 6 Ω
Sound pressure level ..... 89 dB/W/m
Dimensions (W x H x D) ..... 200 x 330 x 239mm (7-7/8" x 13" x 9-7/16")
Weight ..... 4.3 kg (9 lbs. 7 oz.)/each

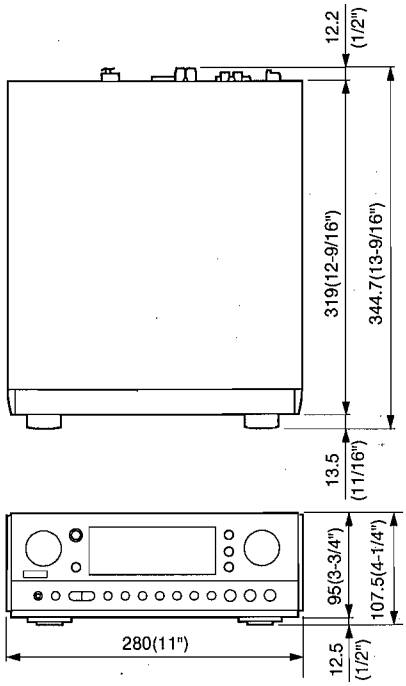
** Specifications subject to change without notice.*

■ INTERNAL VIEW / DIMENSIONS

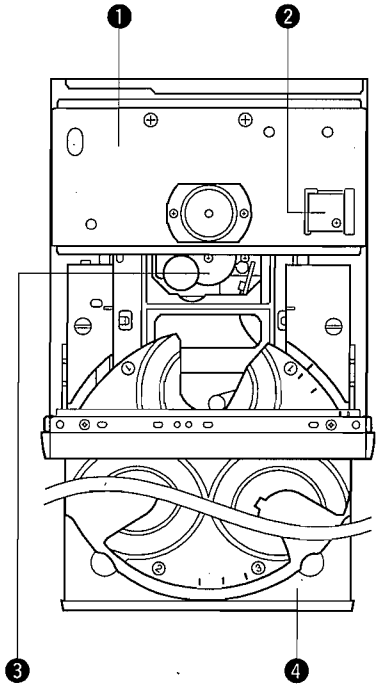
● RX-S75



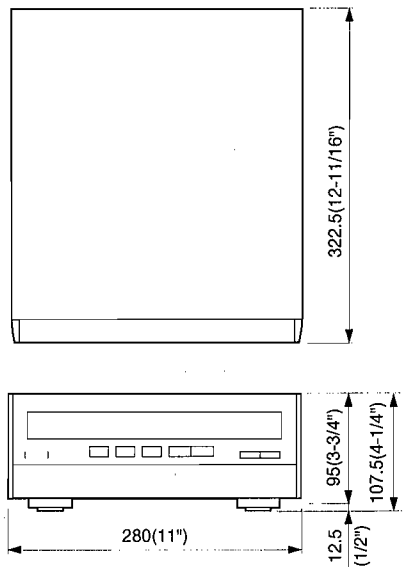
1. POWER TRANSFORMER
2. P.C.B. MAIN (4)
3. P.C.B. MAIN (2)
4. P.C.B. SUB (1)
5. P.C.B. DSP
6. P.C.B. MAIN (1)
7. P.C.B. SUB (3)



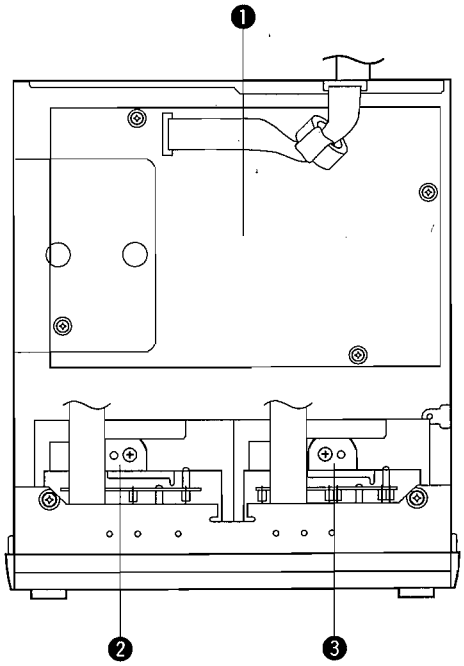
● CDC-S75



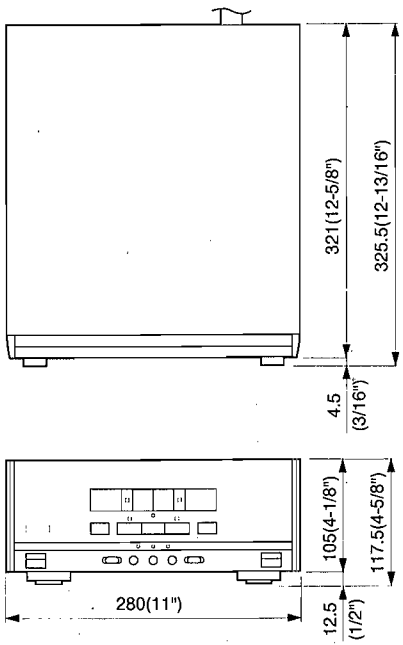
1. CLAMPER UNIT
2. P.C.B. SUB (2)
3. CM-2 UNIT
4. TRAY UNIT



● KXW-S75



1. P.C.B.-MAIN (1)
2. CASSETTE MECHANISM UNIT (PB)
3. CASSETTE MECHANISM UNIT (R/P)



Units : mm (inch)

■ RX-S75 DISASSEMBLY PROCEDURES (Remove parts in disassembly order as numbered.)

1. Removal of Top Cover
Remove 4 screws (①) and 1 screw (②) in Fig. 1.

2. Removal of Front Panel Unit
a. Remove the VOLUME knob.
b. Remove 1 nut (③) in Fig. 1.
c. Remove 6 screws (④) in Fig. 1.
Remove 3 connectors CB217, CB210, CB211 in Fig. 2.
d. Remove 2 hooks and pull the Front Panel Unit in Fig. 1.

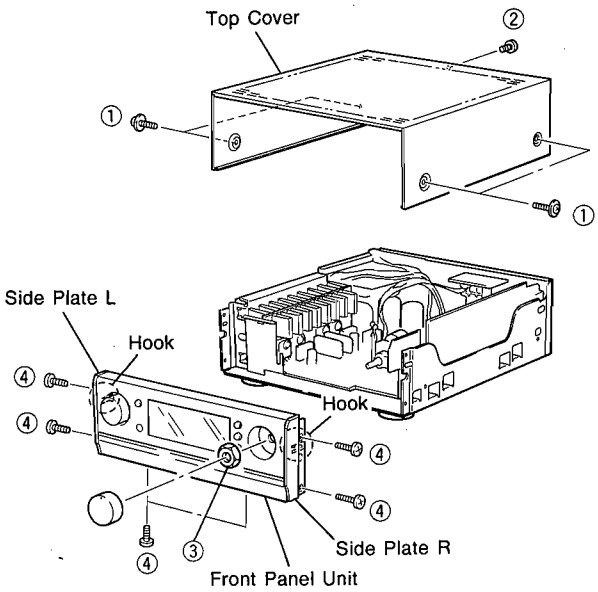


Fig. 1

3. Removal of P.C.B. DSP
a. Remove 2 screws (⑤) in Fig. 2.
b. Remove the P.C.B. DSP with the Frame/DSP.

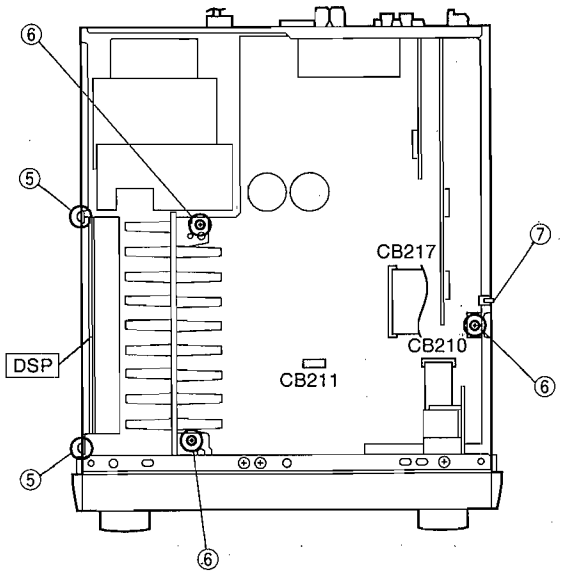


Fig. 2

4. P.C.B. Main Check and Part Replacement
a. Remove 3 screws (⑥) fixing the P.C.B. Main in Fig. 2.
b. Remove 1 wire tie (⑦) in Fig. 2.
c. Remove 5 screws (⑧) fixing the Rear Panel in Fig. 3.
d. With the Main P.C.B. placed on its side as shown in Fig. 4, install the Front Panel unit.

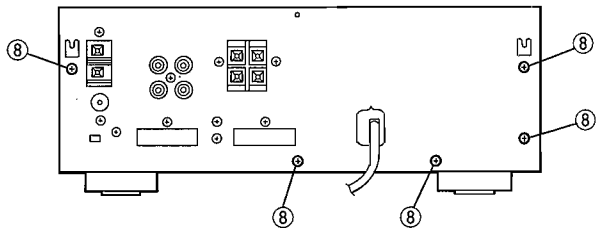


Fig. 3

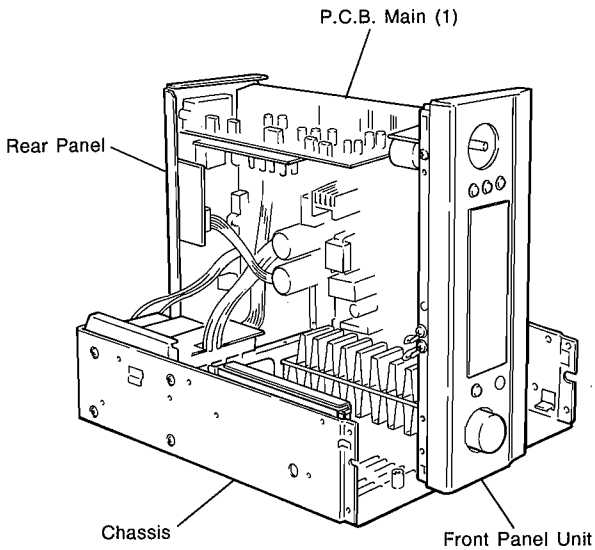


Fig. 4

■ CDC-S75 DISASSEMBLY PROCEDURES (Remove parts in disassembly order as numbered.)

1. Removal of Top Cover
Remove 4 screws (①) and 1 screw (②) in Fig. 1.

2. Removal of Tray Unit
a. Take out the Tray Unit.
b. Turn the stopper/tray (③) counterclockwise by 90 degrees to pull it out in Fig. 1.
c. Remove the Tray Unit.

3. Removal of Panel Unit
a. Remove 4 screws (④) and 2 screws (⑤) in Fig. 1.
b. Remove 2 hooks and then pull the Panel Unit in Fig. 1.

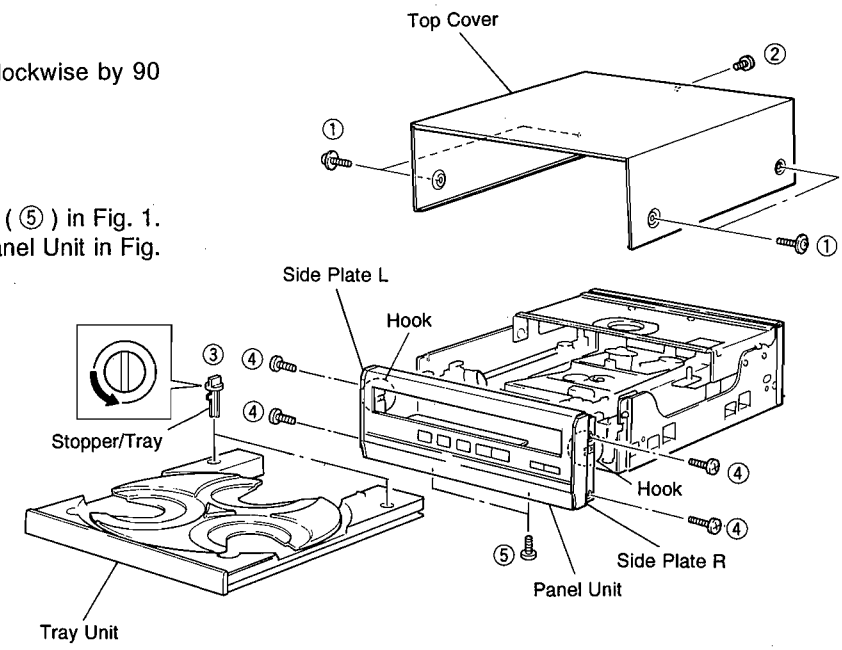


Fig. 1

4. Removal of CM-2 Unit
a. Remove 4 screws (⑥) and 2 screws (⑦), and then remove the Clamper Unit in Fig. 2.
b. Remove 4 screws (⑧) and then remove the CM-2 Unit in Fig. 2.

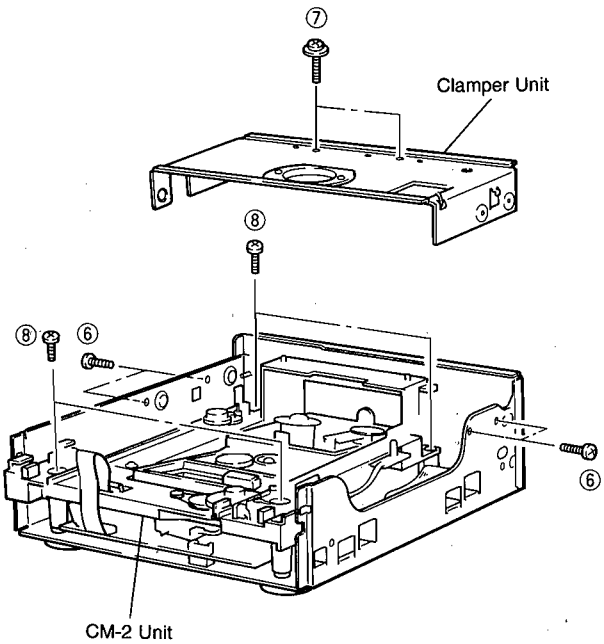
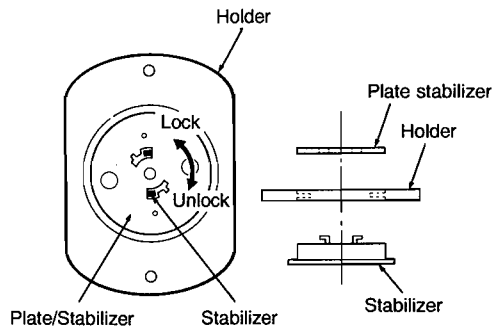


Fig. 2

● Operation Check Procedure

① Disassembly
1) Remove the top cover.
2) Remove the clamper unit.
3) Remove the stabilizer from the clamper unit.



Turn the Plate/Stabilizer clockwise by 30° while holding the Stabilizer, and the Plate/Stabilizer will come off. Remove the Stabilizer from the Holder.

② Clamp the disc by using the stabilizer.

③ Set to the TEST mode and check for any faulty conditions.

5. Removal of Pick-up Head

a. Remove 2 screws (⑨) and then remove the PU Unit Ass'y in Fig. 3.

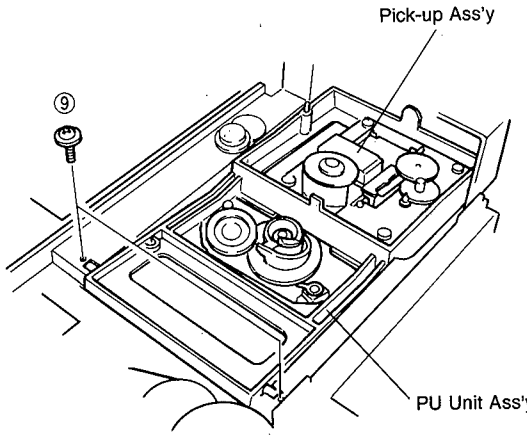


Fig. 3

b. Pull out 4 Pins (⑩) and then remove the PU Mechanism Unit in Fig. 4.

* The Pick-up Head can be replaced without removing the PU Mechanism Unit.

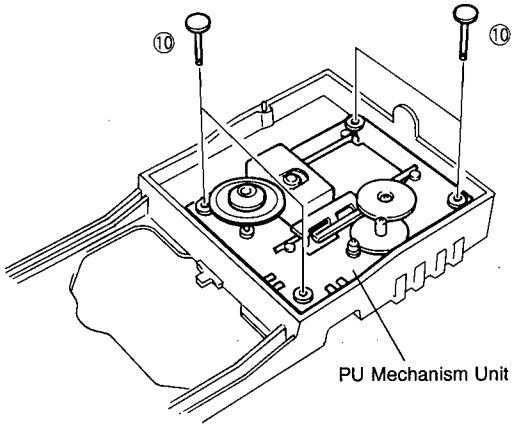


Fig. 4

c. Remove 4 screws (⑪) and then remove the Pick-up Head in Fig. 5.

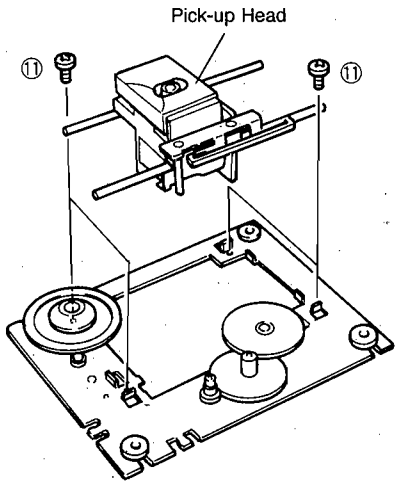
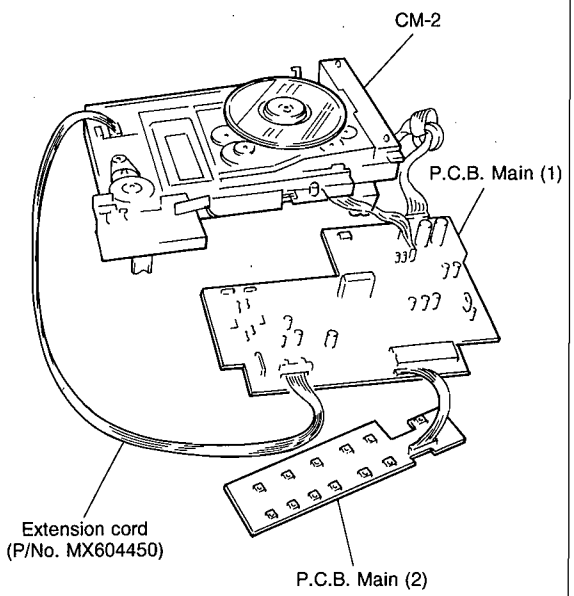
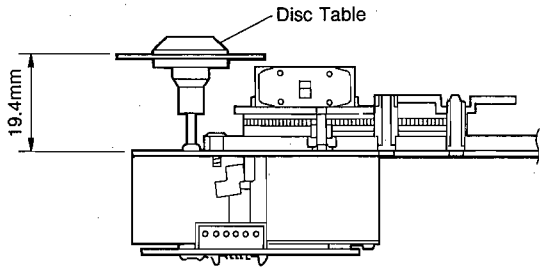


Fig. 5

● Main P.C.B. Check

When checking the main P.C.B., remove the CM-2 unit and the main P.C.B. from the chassis and use an extension cord (12P L =700mm).





■ KXW-S75 DISASSEMBLY PROCEDURES (Remove parts in disassembly order as numbered.)

1. Removal of Top Cover
Remove 4 screws (①) and 1 screw (②) in Fig. 1.

2. Removal of Mechanism Unit
a. Remove 2 screws (③) and then remove the Frame/Top in Fig. 2.
b. Remove 1 retaining ring-E type (④) in Fig. 2.
c. Remove 2 screws (⑤) and then remove the Mechanism Unit in Fig. 2.
d. Detach 4 connectors (#1 to #4).

3. Removal of Front Panel Unit
a. Remove 4 screws (⑥) and then remove the Side Plate in Fig. 1.
b. Remove 2 screws (⑦) and then remove the Front Panel Unit in Fig. 1.
c. Detach 2 connectors (#5 and #6).

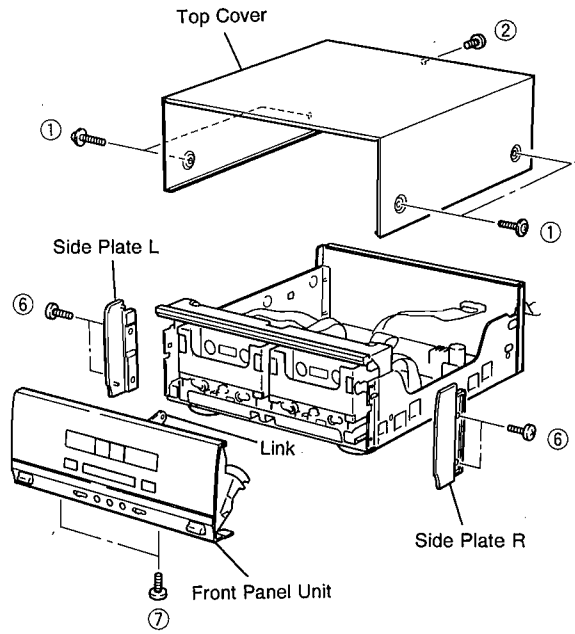
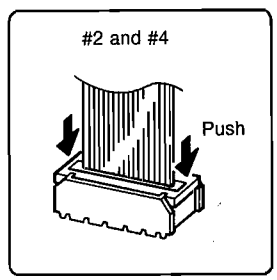


Fig. 1



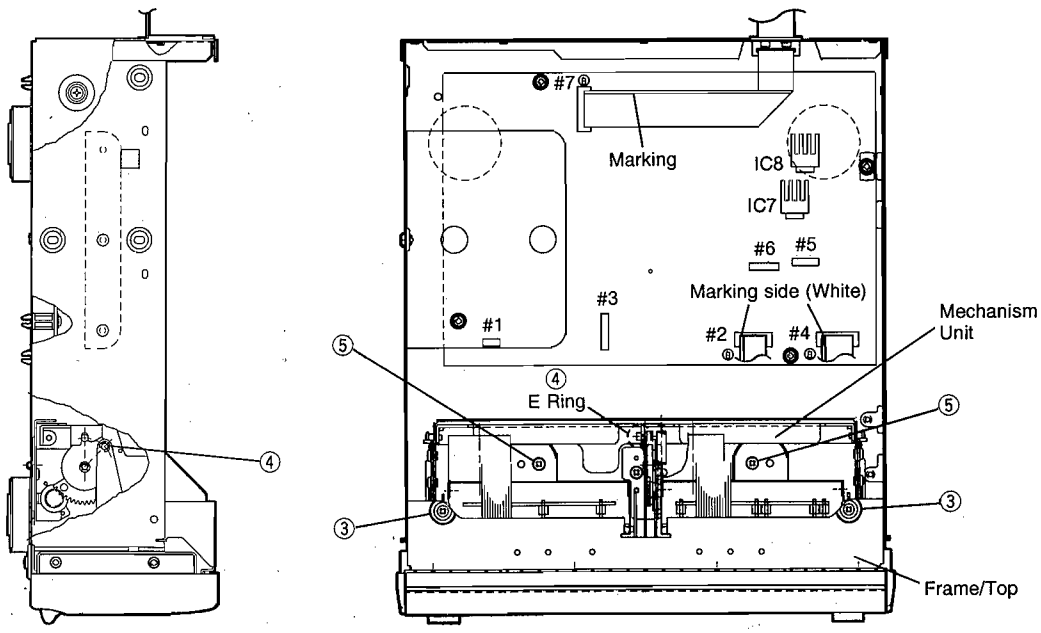


Fig. 2

4. Removal of Cassette Mechanism

a. Remove 3 screws (⑧) and then remove the Cassette Mechanism PB in Fig. 3.

b. Remove 3 screws (⑨) and then remove the Cassette Mechanism R/P in Fig. 3.

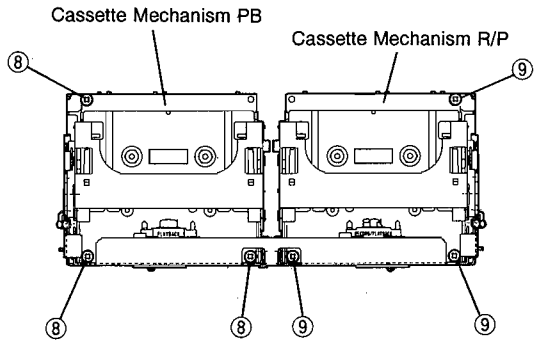


Fig. 3

5. Removal of Pinch Roller

Detach the hook and then remove the Pinch Roller in Fig. 4.

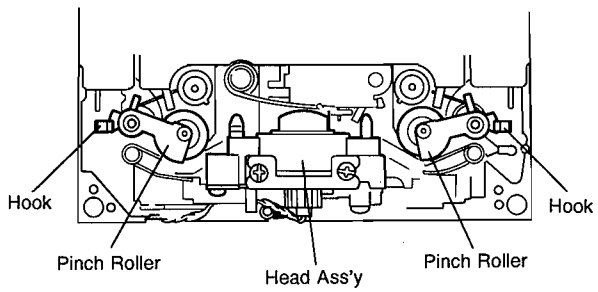


Fig. 4

6. Removal of Head Ass'y

a. Pull out the Back Plate in Fig. 5.

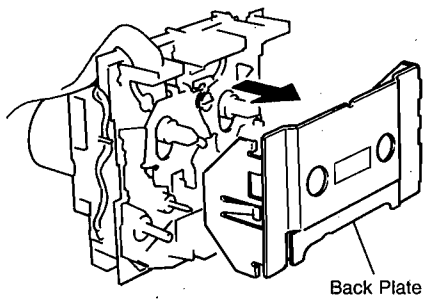


Fig. 5

b. Detach 2 Springs (⑩ and ⑪) and then remove the Arm Assist in Fig. 6.

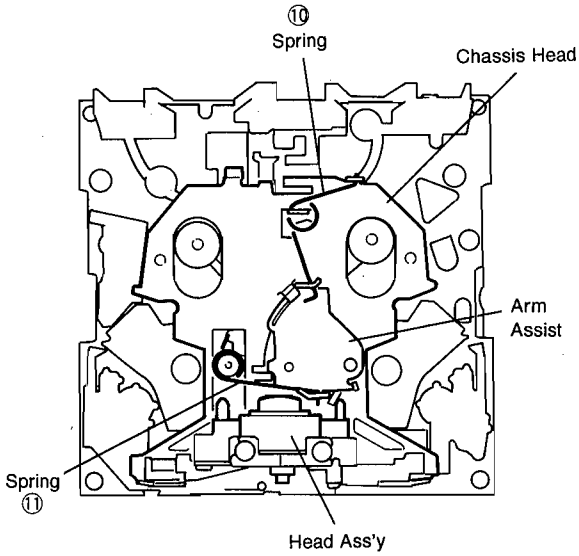


Fig. 6

c. Remove 1 screw (⑫) and then remove the P.C.B. for head in Fig. 7.

d. Remove 1 screw (⑬) and then remove the Gear Arm in Fig. 7.

e. Remove 1 screw (⑭) and 2 screws (⑮) and then remove the Head Ass'y in Fig. 7.

* Perform the adjustment of azimuth after attaching the Head Ass'y.

● **Viewed from the bottom**

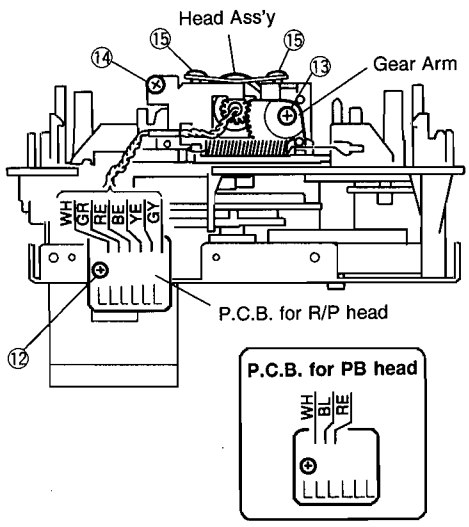


Fig. 7

7. Removal of Main Motor

Remove 3 screws (⑯) and 1 screw (⑰) and then remove the Bracket FW with the Main Motor in Fig. 8.

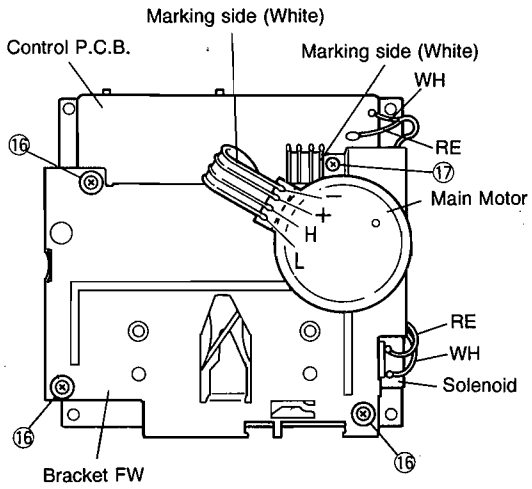
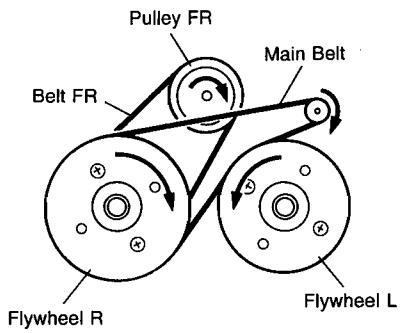


Fig. 8

● **Main belt installation**



(Viewed from the rear)

Fig. 9

■ RX-S75 DEMO MODE (for demonstration)

- DEMO MODE starts when the RAM on the CPU has been kept under the conditions following for more than 8 minutes with the power-off.
  - * initialized state
  - * the state that the clock is not set up
- FL display unit alone is switched on and repeats display demonstration DEMO.
- DEMO MODE stops by pushing POWER switch (POWER ON) and the receiver starts normal operation. Without setting up the clock, DEMO MODE starts after 8 min. power-off.
- Once the clock is set up, DEMO MODE never starts as long as the RAM on the CPU is holding memory.

■ RX-S75 TEST PROGRAM MODE

TEST PROGRAM MODE is brought about when POWER switch is pushed while pressing and holding both AUTO/MAN'L and AUTO/MEMO switches during power-on.

IN TEST PROGRAM MODE program (function) No. can be selected by TUNER PRESET ► (up) and ◄ (down) switches, and operated by POWER switch.

PROG. No. & DISPLAY	FUNCTION	
C01 CANCEL	TEST PROGRAM MODE CANCEL	
C02 FL + CLEAR	FL display full lighting, RAM CLEAR	
C03 FL FULL	FL display full lighting	
C04 APO - ON / OFF	AUTO POWER OFF mode	[RESET/SET]
C05 RDS - ON / OFF	RDS/DSS mode	[DSS/RDS]
C06 A , PS - ON / OFF	RDS AUTO PS mode	[RESET/SET]
C07 A , M , - RDS / ALL	RDS AUTO MEMORY (FM) mode	[ALL station/RDS only]
C08 CT > C - ON / OFF	RDS CT → CLOCK revision mode	[RESET/SET]
C09 L > CT - ON / OFF	RDS LOCAL TIME OFFSET → CT revision mode	[RESET/SET]
C10 PSR2 - ON / OFF	RDS PS DATA second read mode	[RESET/SET]
C11 RTBL - ON / OFF	RDS RT LAST BLANK DATA CANCEL mode	[RESET/SET]
C12 DEMO	start from DEMO	

NOTE 1) POWER switch should be pushed to cancel full lighting of FL display.
NOTE 2) When RAM CLEAR is operated, MEMORY and "CLEAR" light for 2 seconds and the RAM on the CPU is initialized. Tuner's preset becomes maker's preset.
NOTE 3) "ON" or "OFF" display is the present state.
NOTE 4) C04 and C06 to C11 program is memorized.
NOTE 5) C06 to C11 program is B, G (RDS) models only.

● MAKER'S PRESET

BAND	MARKETS	PRESET No.							
		1	2	3	4	5	6	7	8
FM (MHz)	U, C, R (100k/10k)	98.1	95.1	87.5	101.5	107.9	88.1	106.1	107.9
	A, B, G, R, L (50k/9k)	98.10	95.10	87.50	101.50	108.00	88.10	106.10	107.90
AM MW (kHz)	U, C, R (100k/10k)	630	1080	1400	530	1710	900	1350	1440
	A, B, G, R, L (50k/9k)	630	1080	1404	531	1611	900	1350	1440
LW (kHz)	B, G	270	171	225	153	288	180	207	252

NOTE 1) PRESET PAGE { B, G (with LW) ..... A : FM B : MW C : LW D : FM E : MW
OTHERS (w.o. LW) ..... A : FM B : AM C : FM D : AM E : FM

CAUTION : Before setting to the TEST PROGRAM mode, write down the existing preset memory content of the Tuner in a table as shown below. (This is because setting to the TEST PROGRAM mode will cause the user memory content to be erased.)

Preset group	P1	P2	P3	P4	P5	P6	P7	P8
A								
B								
C								
D								
E								

■ RX-S75 ADJUSTMENTS

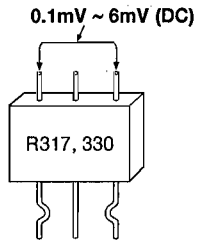
● Before Adjustment

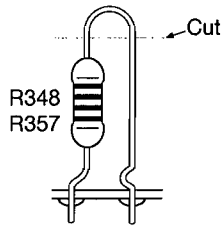
Check the power voltage according to the table below.

Check Item	Test Point	Rating
+12	Emitter of Q220	+12V ± 1V
−12	Emitter of Q222	−12V ± 1V
+5.6	Emitter of Q215	+5.6V ± 1V
+5.6	Emitter of Q209	+5.6V ± 1V
−25	Emitter of Q210	−25V ± 1V

● Confirmation of idling current.

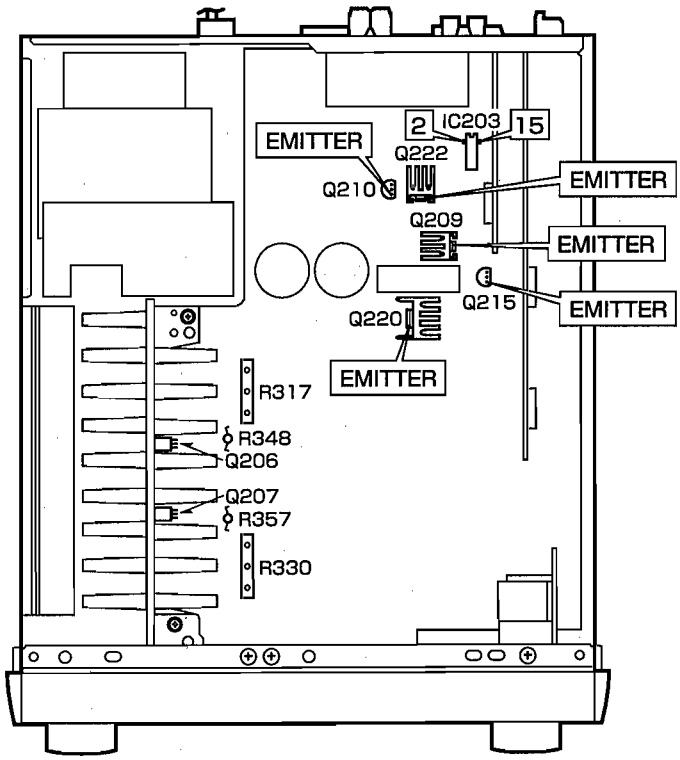
After power is turned on, confirm that the voltages across R317 (L ch), R330 (R ch) are between 0.1mV~6mV.
If they exceed 6.1mV, open (cut off) R348(L ch), R357 (R ch) and reconfirm voltage is between 0.1mV~6mV.





Note)

- If R348(L ch) and R357(R ch) have already been cut off and idling current does not flow, reconnect R348(L ch) and R357(R ch) .
- Q206 and Q207 are transistors for temperature correction. Apply silicone grease to contact surface with the heat sink.



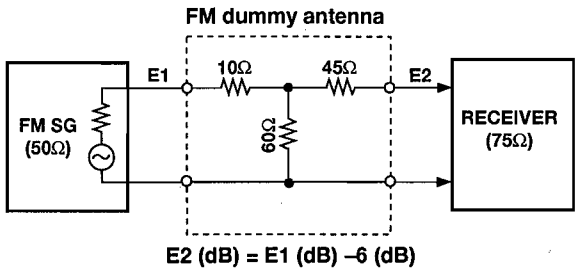
FRONT PANEL

ADJUSTMENT IN TUNER SECTION

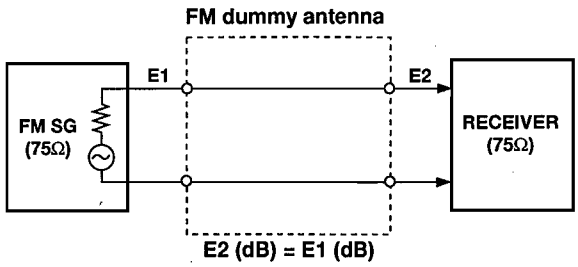
● Measuring Instruments

FM signal generator (FM SG)
Stereo signal generator (SSG)
AM signal generator (AM SG)
Distortion meter (DIST. M)
AC voltmeter (ACVM)
DC voltmeter (DCVM)
Oscilloscope
Low pass filter (YLF-15, fc=15kHz)
Low frequency oscillator

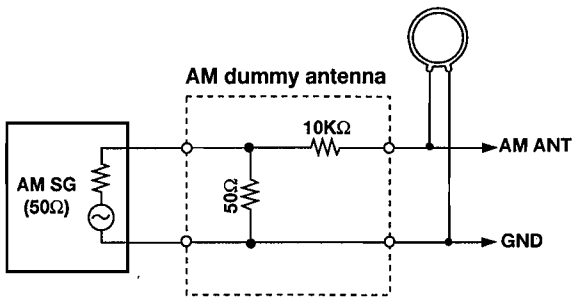
● Dummy antenna



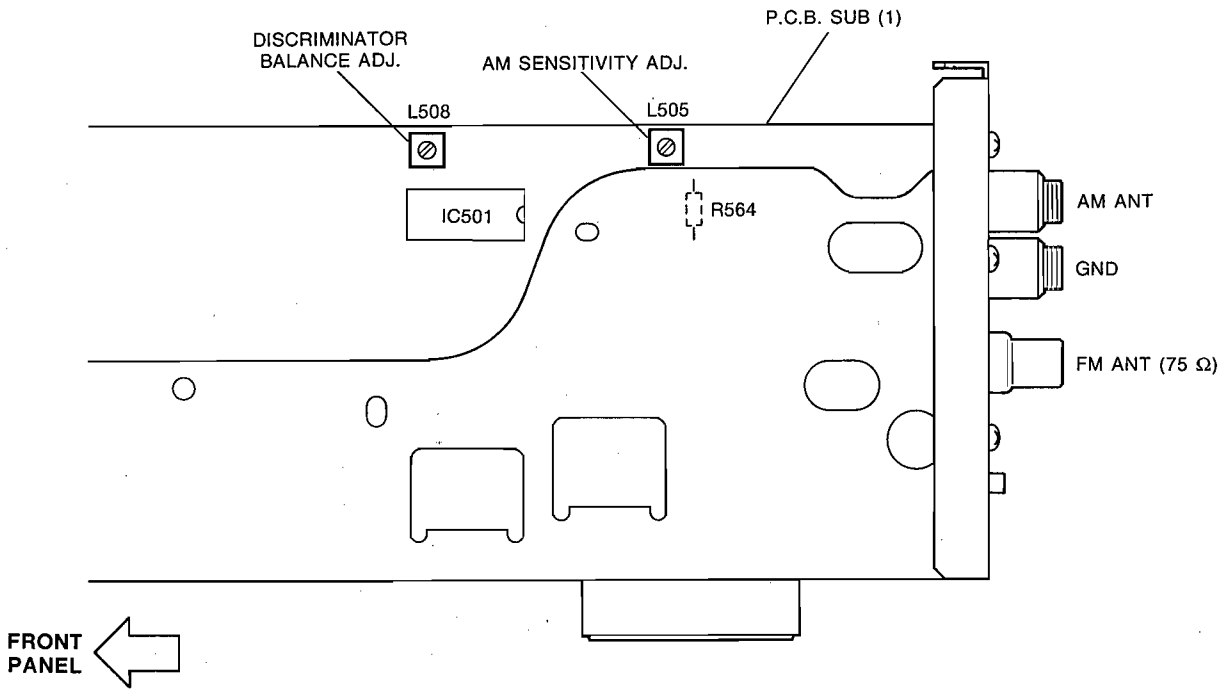
E2 (dB) = E1 (dB) –6 (dB)



E2 (dB) = E1 (dB)



● Adjustment points



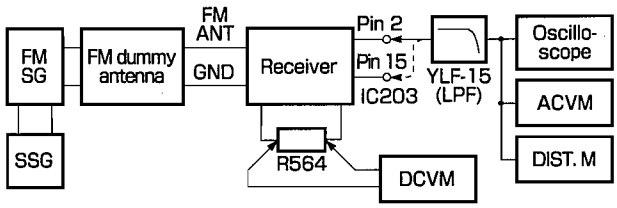
FM Adjustment

● Before Adjustment

1) For dB, 1μV=0dBμ applies.
   Example : 60dBμ=1mV
2) 100% modulation means that the frequency deviation is 75kHz.
3) Install the Matching Transformer and connect FM SG.
4) Set each switch at the following position unless otherwise specified.

INPUT SELECTOR ..... TUNER
TUNING MODE ..... AUTO

● Connection diagram (Measuring instruments)

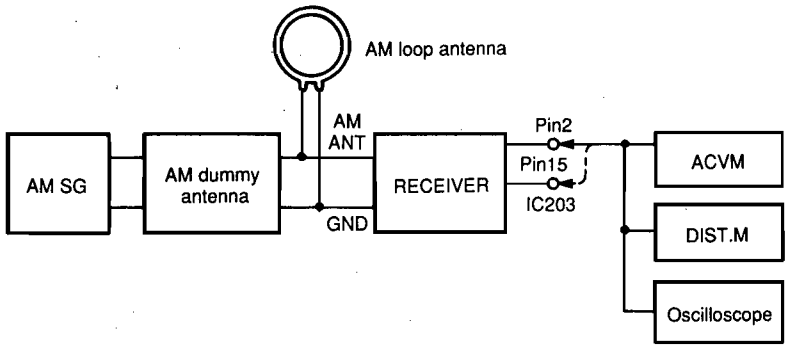


Step	Adjustment item	Signal (ANT IN)	Reception frequency	Adjusted point	Test point	Rating
1	Adjustment of discriminator balance	FM ANT (75Ω) 98.1MHz 70dBμ MONO 100Hz 100% modulation	98.1MHz * (A-1)	L508 (CENTER)	Both ends of R564	DC 0V±50mV
2	Verification of monaural distortion	FM ANT (75Ω) 98.1MHz 70dBμ MONO 1kHz, 100% modulation	98.1MHz * (A-1)		Lch : Pin2 of IC203 Rch : Pin15 of IC203	0.4% or less
3	Verification of stereo distortion	FM ANT (75Ω) 98.1MHz 70dBμ Stereo (L or R) 1kHz, 100% modulation	98.1MHz * (A-1) * Tuning mode should be AUTO.		Lch : Pin2 of IC203 Rch : Pin15 of IC203	Distortion should be minimized (1% or less) * STEREO indicator should light.
4	Verification of sensitivity	FM ANT (75Ω) 88.1MHz 98.1MHz 106.1MHz Less than 3dBμ (14.25dBf) MONO Modulation off	88.1MHz * (A-6) 98.1MHz * (A-1) 106.1MHz * (A-7)		ANT (75Ω)	Set the tuning mode to MAN'L MONO. (Muting OFF) S/N should be 30dB at each frequency of 88.1MHz, 98.1MHz, and 106.1MHz. Confirm that the voltage of ANT-terminal for S/N 30dB is within specification. 3dBμ (14.25dBf) or less (A, B, G only : 6dBμ or less)
5	Verification of separation	FM ANT (75Ω) 98.1MHz 70dBμ Stereo (L or R) 1kHz, 100% modulation	98.1MHz * (A-1)		Lch : Pin2 of IC203 Rch : Pin15 of IC203	With SSG output at L or R, the signal leakage level at the other channel should be minimized. 30dB or more
6	Verification of auto tuning	FM ANT (75Ω) 98.1MHz 23dBμ Stereo (L or R) 1kHz, 30% modulation	98.1MHz			• Automatic reception should be available when the tuning key is pressed UP and DOWN. • The stereo indicator should light. • Audio muting should be applied during tuning.

* : Execution of MAKER PRESET (Refer to TEST PROGRAM MODE on page 17.) will facilitate setting reception frequency for adjustment.

AM (MW) Adjustment (This should be done after FM adjustment.)

● Connection Diagram (Measuring instruments)



Step	Adjustment item	Signal (ANT IN)	Reception frequency	Adjusted point	Test point	Rating
1	Adjustment of sensitivity (630kHz)	AM ANT 630kHz 50dBμ 400Hz, 30% modulation	630kHz * (B-1)	L505	Lch : Pin2 of IC203 Rch : Pin15 of IC203	Audio output should be maximized.
2	Verification of sensitivity	AM ANT 630kHz 1080kHz 1440kHz 400Hz, 30% modulation	630kHz * (B1) 1080kHz * (B-2) 1440kHz * (B-8)		AM ANT	Distortion should be 10% or less at each frequency. Check to ensure that the voltage at the ANT terminal is 54dBμ or less.
3	Verification of auto tuning	AM ANT 60dBμ				• Auto reception should be available when the tuning key is pressed UP and DOWN. • Audio muting should be applied during tuning.

* : Execution of MAKER PRESET (Refer to TEST PROGRAM MODE on page 17.) will facilitate setting reception frequency for adjustment.

LW Adjustment (B, G only) (This should be done after MW adjustment.)

Step	Adjustment item	Signal (ANT IN)	Reception frequency	Adjusted point	Test point	Rating
1	Verification of sensitivity	AM ANT 171kHz 225kHz 270kHz 400Hz, 30% modulation	171kHz * (C-2) 225kHz * (C-3) 270kHz * (C-1)		AM ANT	Distortion should be 10% or less at each frequency. Check to ensure that the voltage at the ANT terminal is 60dBμ or less.
2	Verification of auto tuning	AM ANT 60dBμ				• Auto reception should be available when the tuning key is pressed UP and DOWN. • Audio muting should be applied during tuning.

* : Execution of MAKER PRESET (Refer to TEST PROGRAM MODE on page 17.) will facilitate setting reception frequency for adjustment.

■ RX-S75 SYSTEM CONNECTOR CHECK

● CHECK ROUTINE FOR CD, DECK CONNECTORS

① TAPE PLAY KEY ON (remote control transmitter)

↓

② FUNCTION → TAPE ?
► lights ?

no → in case that DECK does't play : [RX → DECK] (COT1) NG
in case that DECK plays. : [DECK → RX] (COT3) NG

↓ yes

③ CD PLAY KEY ON (remote control transmitter)

↓

④ FUNCTION → CD ?
CDC's ► mark lights
(1sec after CD is selected) ?

no → in case that CD does't play : [RX → CD] (COT0) NG
in case that CD plays. : [CD → RX] (COT2) NG
in case that DISPLAY does't change : [CD DATA, CD CLK, CD CE] NG

↓ yes

⑤ CD STOP KEY ON
DECK REC/PAUSE KEY ON
CD PLAY KEY ON

↓

⑥ TAPE REC PLAY start ?
(play LED lights ?)

no → [CD → DECK] (COT2) NG

↓ yes

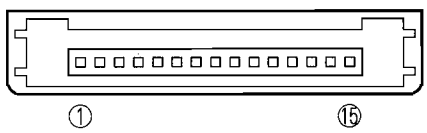
⑦ CD start playing 3 sec
after ⑥ ?

no (no time counting) → [DECK → CD] (COT3) NG

↓ yes

CONNECTORS OK

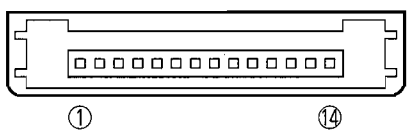
● SYSTEM CONNECTOR CD



(Viewed from the rear)

No.	NAME	FUNCTION
1	E	GND
2	CDR	CD IN (Rch)
3	E	GND
4	CDL	CD IN (Lch)
5	E	GND
6	E	GND
7	COT3	SYSTEM CONTROL 3
8	COT2	SYSTEM CONTROL 2
9	COT0	SYSTEM CONTROL 0
10	CDDATA	CD SERIAL DATA
11	CDCLK	CD SERIAL CLOCK
12	CDCE	CD CHIP ENABLE
13	CAC1	AC OUT
14	CACE	
15	CAC2	

● SYSTEM CONNECTOR TAPE



(Viewed from the rear)

No.	NAME	FUNCTION
1	E	GND
2	REC L	REC OUT (Lch)
3	E	GND
4	REC R	REC OUT (Rch)
5	E	GND
6	PBL	TAPE IN (Lch)
7	E	GND
8	PBR	TAPE IN (Rch)
9	E	GND
10	COT3	SYSTEM CONTROL 3
11	COT2	SYSTEM CONTROL 2
12	COT1	SYSTEM CONTROL 1
13	TAC2	AC OUT
14	TAC1	

■ CDC-S75 TEST MODE

The TEST MODE is brought about when CD is switched on while holding [PLAY] and [STOP] switches. When combined with the RX- and selected as a source on it, the DISPLAY shall fully light. (The TEST MODE is brought about by the same way above CD without connecting to the RX- as far as the equivalent power supply is connected.)
Each switch operates as the following on each MODE.
The MODE shall be set up by DISC [1] to [3] switches after the push of [EDIT] switch.

SW	MODE 1	MODE 2	MODE 3
EDIT	bring about TEST-MODE setting		
OPEN/CLOSE	open/close the tray	turn the disc table one step left	rotate the disc motor
PLAYEXCHANGE	clamp up/down	turn the disc table one step right	retard the disc motor
STOP	controls for the tray and the disc table and clamping stop, LASER off, STOP command for the servo system		
PLAY/PAUSE	PLAY command with TRACKING-SERVO and FEED-SERVO on muting off, VCO low		
▶▶|	feed forward (outer direction)	+10 track-kick	TBLL → H
|◀◀	feed backward (inner direction)	−10 track-kick	TBLR → H
(DISC) 1	ADJ. MODE 1 : clamp down LASER on, VCO high, TRACKING-SERVO and FEED-SERVO off		
(DISC) 2	ADJ. MODE 2 : clamp down LASER off, TRACKING-SERVO on, FEED-SERVO off		
(DISC) 3	ADJ. MODE 3 : clamp up LASER on, TRACKING-SERVO and FEED-SERVO off, PLAY MUTE on		
RANDOM	ADJ. MODE 4 : clamp up LASER on, VCO low, TRACKING-SERVO and FEED-SERVO on, PLAY		
TIME	escape from TEST MODE → normal operation	escape from TEST MODE → normal operation	
REPEAT	LASER on, FOCUS-SEARCH	start TEST REPEAT (Do not use this function as it is not for servicing.)	TSLW → H/L alternate

● **WARNING**
When transporting the unit which has been serviced, the tray must be closed and the P.U. unit must be clamped up on CDC. (These are automatically achieved by turning off the [POWER] switch of RX- when CD is connected with the RX-.)

■ CDC-S75 ERROR MESSAGES

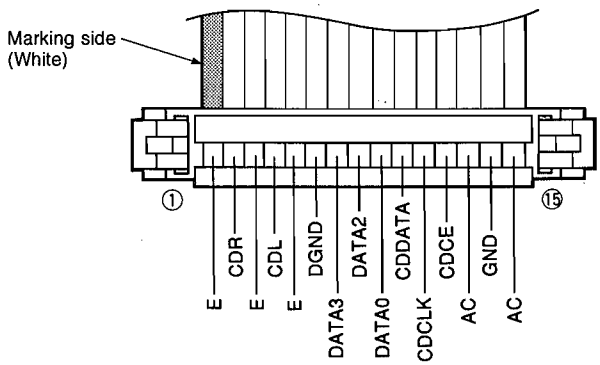
ERROR MESSAGE can be obtained on the DISPLAY by pushing [STOP] and [PLAY] switches simultaneously when CD has stopped (sometimes with the tray open) by an accident.

INDICATION	CONTENTS OF ERROR
94	CLOSE switch does not operate when the tray is closed.
A5	OPEN switch does not operate when the tray is opened.
x9	(CLAMP) UP switch does not operate when the P.U. UNIT is clamped up.
xA	(CLAMP) DOWN switch does not operate when the P.U. UNIT is clamped down.
b6	The position of the disc tray is not detected correctly on the disc change.
x7	The inner limit-switch does not operate when the P.U. is moved to inner side.
x8	CD fails in recovery from the focus-out. 5 times : normal operation
73	CD fails in picking up the data from the disc though the disc motor rotates.
x1	CD fails in picking up the data from the disc while playing, pausing, or searching.
x0	CD fails in picking up the data from the disc after the search process.

x : The state of CD's microcomputer where some accident happened.
↓
0 : PLAY
3 : SEARCH (fast forward or backward)
4 : PAUSE
5 : SEARCH (beginning-search)
8 : STOP
b : DISC CHANGE
9 : CLOSE
A : OPEN

■ CDC-S75 ADJUSTMENTS

This unit operates on the power supplied through the RECEIVER (RX-S75) of the system (CC-75).



● Necessary items

Measuring instruments

Oscilloscope (Band width of 50MHz or more, 2 ch type with X-Y position)	: x 1
DC voltmeter (DCVM)	: x 1
Frequency counter (FC)	: x 1
Low frequency oscillator	: x 1

Test disc

SONY YEDS-18 (P/No. TX911730), A-BEX TCD-782 (P/No. TX913350) or Philips 5	: x 1

Tools

Screwdriver (For Pre-set Potentiometer adjustment)	: x 1

Extension cord (12P L =700mm)

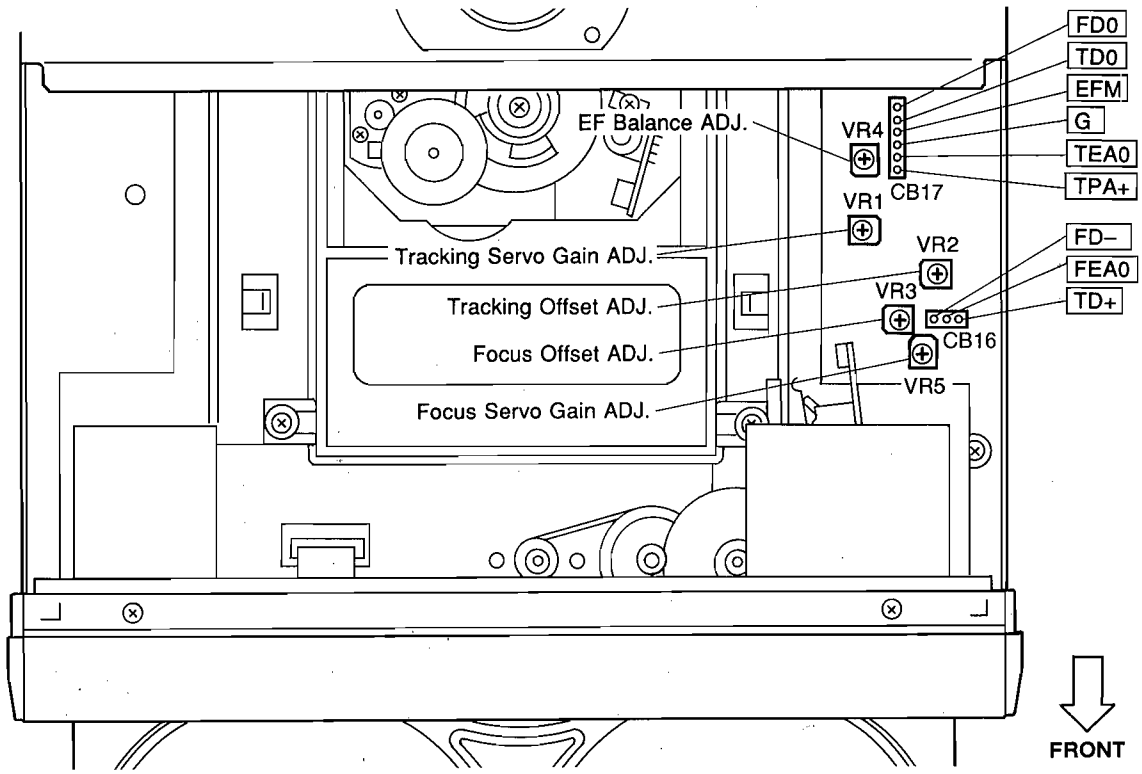
(P/No. MX604450) (For checking the main P.C.B.)	: x 1

● Before Adjustment

Carry out following adjustments in order as numbered.

1) Confirmation of focus search
2) Confirmation of disc clamper operation
3) Focus offset adjustment
4) Tracking offset adjustment
5) EF balance adjustment
6) Focus servo gain adjustment
7) Tracking servo gain adjustment
8) Confirmation jitter
9) Confirmation of focus offset
10) Confirmation of tracking offset
11) Confirmation of EF balance

● TEST POINT

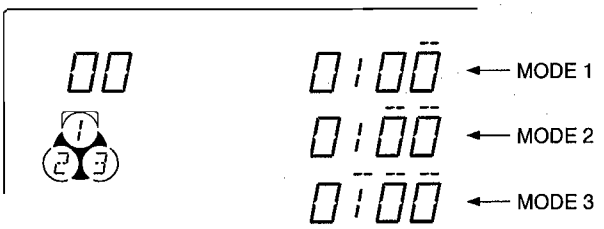


Starting Test Mode

Connect to the AC power supply, while holding both the PLAY and STOP switches. If RX-S75 is combined and CD is selected on it, the DISPLAY (of RX) continues to fully light during the switch-hold, followed by the display as shown below.

* Refer to the TEST MODE drawing as to details of switch-operations.
* When the REPEAT switch is pushed to execute FOCUS start, it sometimes takes a few seconds before FOCUS is locked. Therefore, avoid pushing the PLAY switch too quickly.

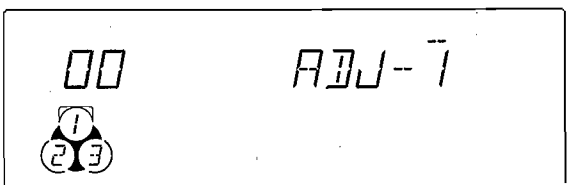
NOTE : To cancel the TEST mode, turn OFF the power switch or press the TIME key.



Adjustment Mode

There are Steps 1 to 4 of the adjustment mode. Use the DISC Keys (1 to 3) and RANDOM key to select the desired step.

Content of Adjustment Mode		Panel key
Step 1 (ADJ-1)	STOP Focus offset adjustment	DISC 1
Step 2 (ADJ-2)	Tracking offset adjustment	DISC 2
Step 3 (ADJ-3)	EF balance adjustment	DISC 3
Step 4 (ADJ-4)	Confirmation of jitter Focus servo gain adjustment Tracking servo gain adjustment	RANDOM



1 Confirmation of Focus Search

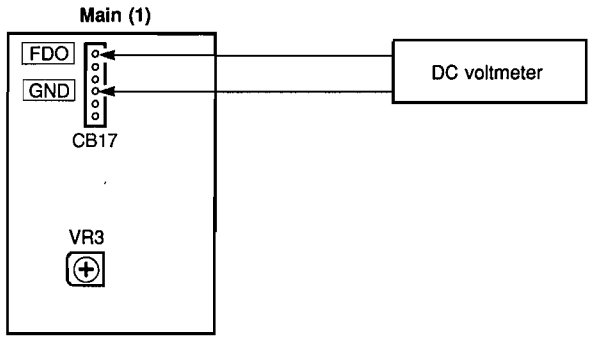
① Do not load the disc.
② Set to the TEST mode.
③ Press the REPEAT key.
④ Check to make sure that the laser diode of the optical pick-up head emits light and the objective lens moves smoothly from the lowest point to the highest point.
⑤ Press the STOP key.

2 Confirmation of Disc Clamper Operation

① Set to the TEST mode.
② Press the PLAYXCHANGE key.
③ Check to make sure that the disc clamper is raised or lowered smoothly.

3 Focus Offset Adjustment

See page 24 for TP locations & potentiometers.

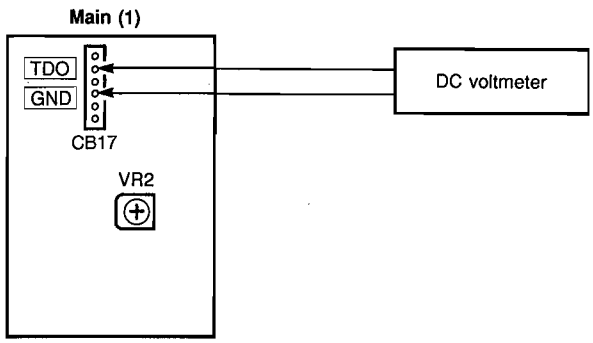


① Do not load the disc.
② Set to the TEST mode.
③ Press the DISC 1 key to adjustment mode Step 1.
④ Measure the voltage at test point FDO and adjust the VR3 so that the following rating will be satisfied.

V_{FDO} = 0V±100mV(DC)

4 Tracking Offset Adjustment

See page 24 for TP locations & potentiometers.

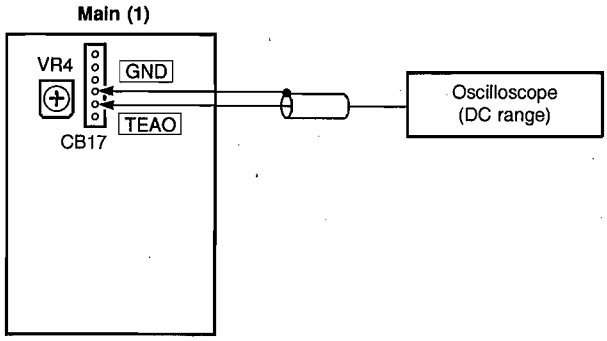


① Do not load the disc.
② Set to the TEST mode.
③ Press the DISC 2 key to adjustment mode Step 2.
④ Measure the voltage at the test point TDO and adjust VR2 so that the following rating will be satisfied.

V_{TDO} = 0V±50mV(DC)

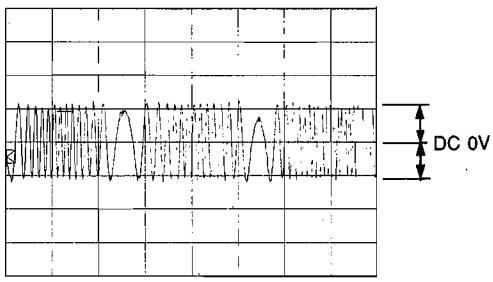
5 EF Balance Adjustment

See page 24 for TP locations & potentiometers.



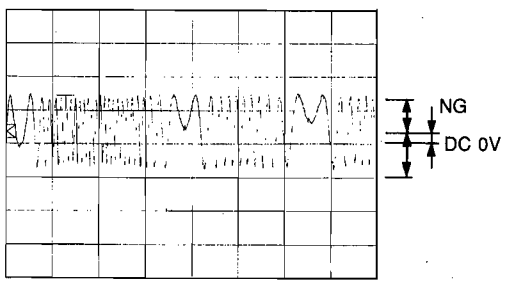
① Connect an oscilloscope to the test point TEAO.
* Make sure to use a 10 : 1 probe.
② Set to the TEST mode.
③ Load the test disc.
④ Press the DISC 3 key to adjustment mode Step 3.
⑤ Adjust VR4 so that the waveform at the test point TEAO has the same amplitude on both upper and lower sides of DC0V position.
Rating : DC offset = 0V±50mV

OK



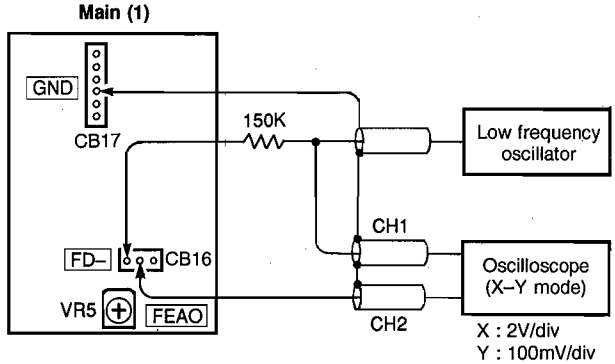
V : 50mv/div (10 : 1 probe) H : 5msec/div

NG



6 Focus Servo Gain Adjustment

See page 24 for TP locations & potentiometers.



① Connect an oscilloscope and a low frequency oscillator to the test points FD– and FEAO as shown above.
② Set to the TEST mode.
③ Load the test disc.
④ Press the RANDOM key to adjustment mode Step 4.
⑤ Apply a sine wave as in Table A to the test point FD– through a 150kΩ resistance.

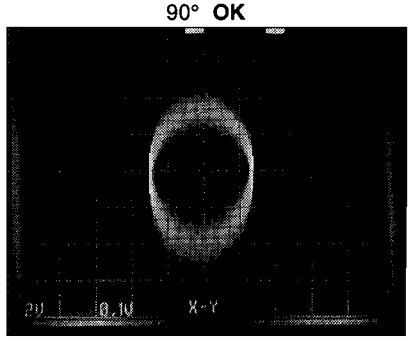
The frequency varies depending on the test disc.

Test Disc	Signal
TCD-782	660Hz, 2Vrms
YEDS-18	670Hz, 2Vrms
Philips 5	650Hz, 2Vrms

Table A

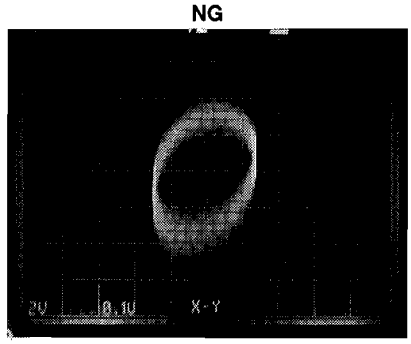
⑥ Adjust VR5 so that the phase difference between the waveform at the test point FD– and that at the FEAO becomes 90 degrees.

90° **OK**



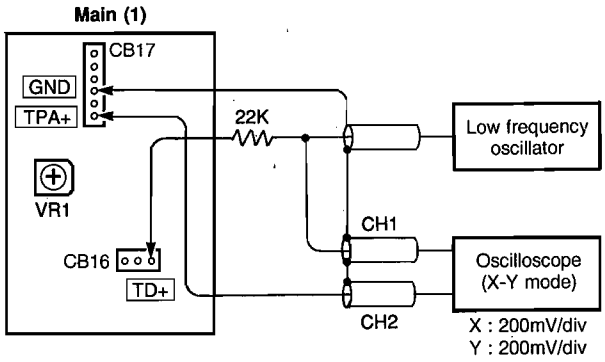
X : 2V/div Y : 100mV/div

NG



7 Tracking Servo Gain Adjustment

See page 24 for TP locations & potentiometers.



① Connect the oscilloscope and a low frequency oscillator to the test points TD+ and TPA+.
② Set to the TEST mode.
③ Load the test disc.
④ Press the RANDOM key to adjustment mode Step 4.
⑤ Apply a sine wave to the test point TD+ as in Table B through a 22kΩ resistance.

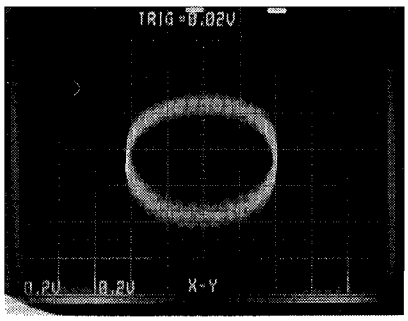
The frequency varies depending on the test disc.

Test Disc	Signal
TCD-782 (Lot No. T7098DA or T90808)	670Hz, 300mVrms
TCD-782 (Lot No. 00101A)	630Hz, 300mVrms
YEDS-18	600Hz, 300mVrms
Philips 5	640Hz, 300mVrms

Table B

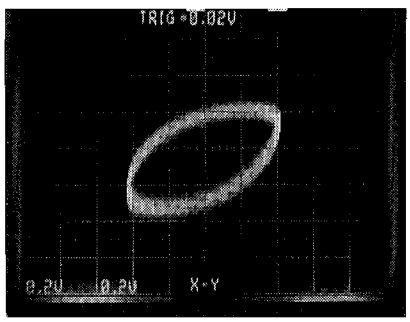
⑥ Adjust VR1 so that the phase difference between the waveform at the test point TD+ and that at the TPA+ is 90 degrees.

90° **OK**



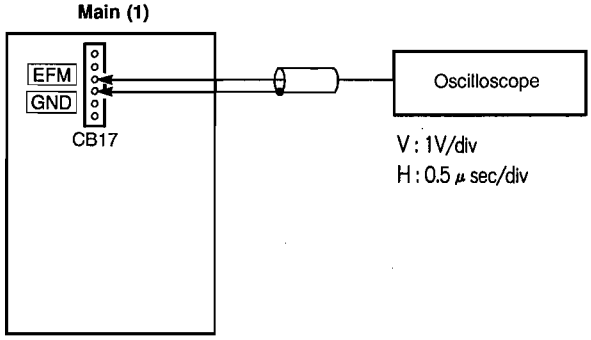
X : 200mV/div Y : 200mV/div

NG



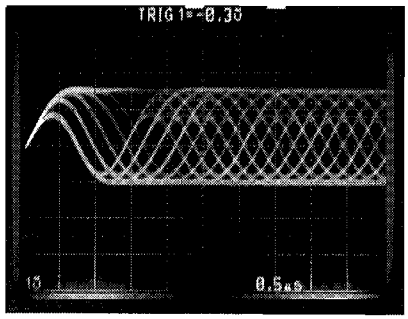
8 Confirmation of Jitter

See page 24 for TP locations.



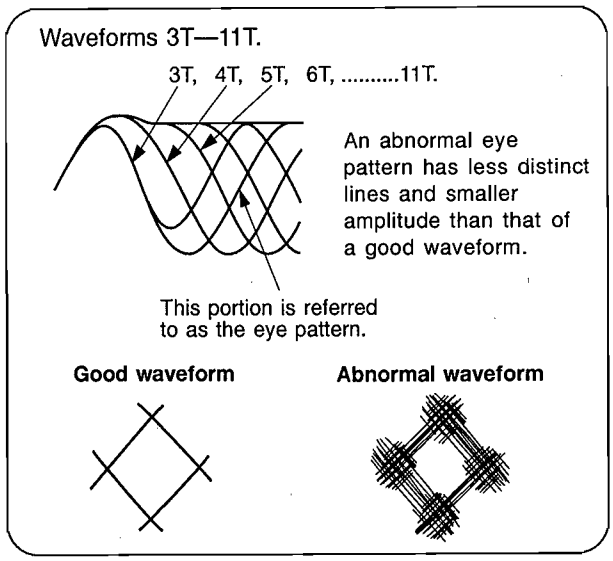
① Connect an oscilloscope to the test point EFM.
② Set to the TEST mode.
③ Load the test disc.
④ Press the RANDOM key to adjustment mode Step 4.
⑤ Check to make sure that a clear waveform (eye pattern) is obtained at the test point EFM.

● **EYE PATTERN**



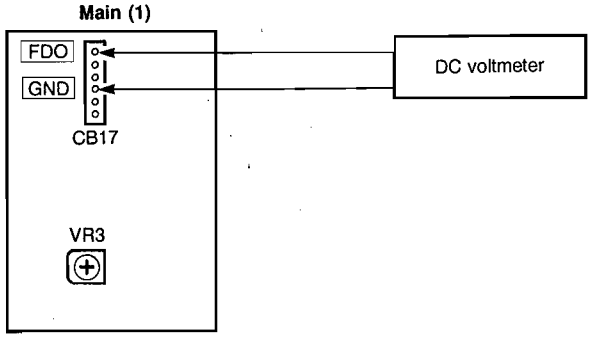
(AC)

V : 100mV/div (10 : 1 probe) H : 0.5μsec/div



9 Confirmation of Focus Offset

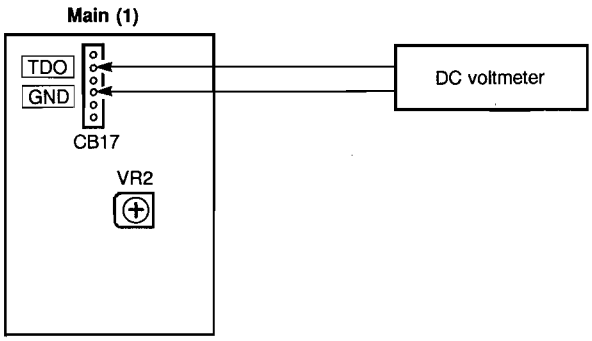
See page 24 for TP locations & potentiometers.



① Do not load the disc.
② Set to the TEST mode.
③ Press the DISC 1 key to adjustment mode Step 1. (disc tray open)
④ Measure the voltage at the test point FDO and check if the following rating is satisfied.
Rating : V_{FDO} = 0V±100mV(DC)
⑤ If the measured voltage does not satisfy the rating, adjust VR3.

10 Confirmation of Tracking Offset

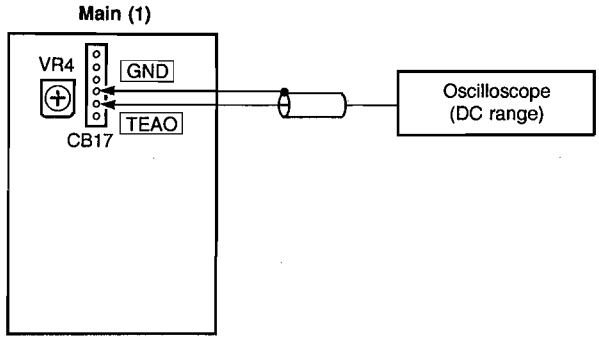
See page 24 for TP locations & potentiometers.



① Do not load the disc.
② Set to the TEST mode.
③ Press the DISC 2 key to adjustment mode Step 2.
④ Measure the voltage at the test point TDO and check if the following rating is satisfied.
Rating : V_{TDO} = 0V±50mV(DC)
⑤ If the measured voltage does not satisfy the rating, adjust VR2.

11 Confirmation of EF Balance

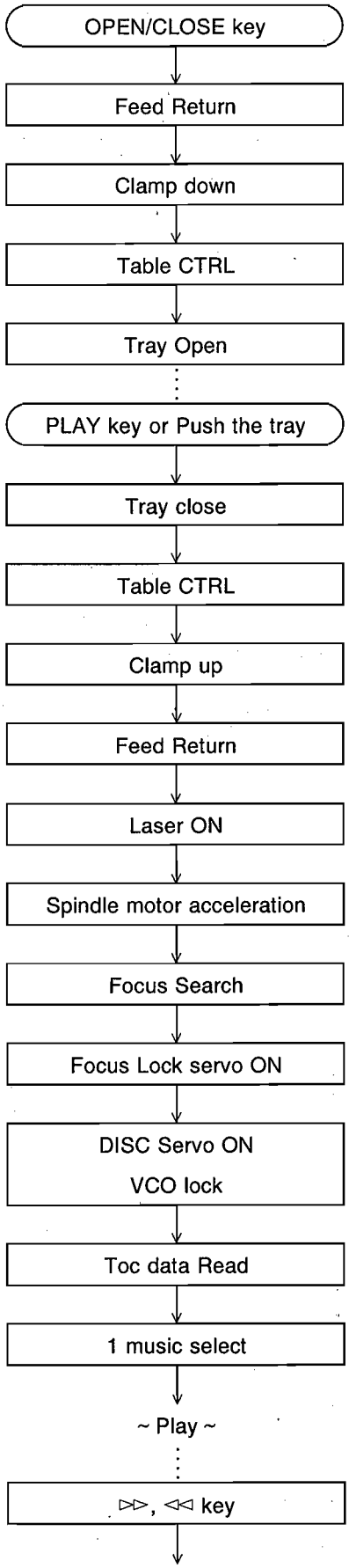
See page 24 for TP locations & potentiometers.



① Connect an oscilloscope to the test point TEAO.
* Make sure to use a 10 : 1 probe.
② Set to the TEST mode.
③ Load the test disc.
④ Press the DISC 3 key to adjustment mode Step 3.
⑤ Check the waveform at the test point TEAO for the same amplitude on both upper and lower sides of the DC 0V position.
Rating : DC offset = 0V±50mV
⑥ If the rating is not satisfied, adjust VR4.

NOTE : To cancel the TEST mode, turn OFF the power switch or press the TIME key.

■ CDC-S75 STANDARD OPERATION CHART



FEM– = High (till ORIGIN switch ON)

µCOM
CLDW = High (till DOWN switch ON)

so that DISC1 is in the inner holder
(No operation needed when DISC1 has already been selected)

µCOM
TROP = High (till OPEN switch ON)

µCOM
TRCL = High (till CLOSE switch ON)

in accordance with selected DISC
(No operation needed when DISC1 has been kept)

µCOM
CLUP = High (till UP switch ON)

FEM– = High (till ORIGIN switch ON)

µCOM
LSOF = Low

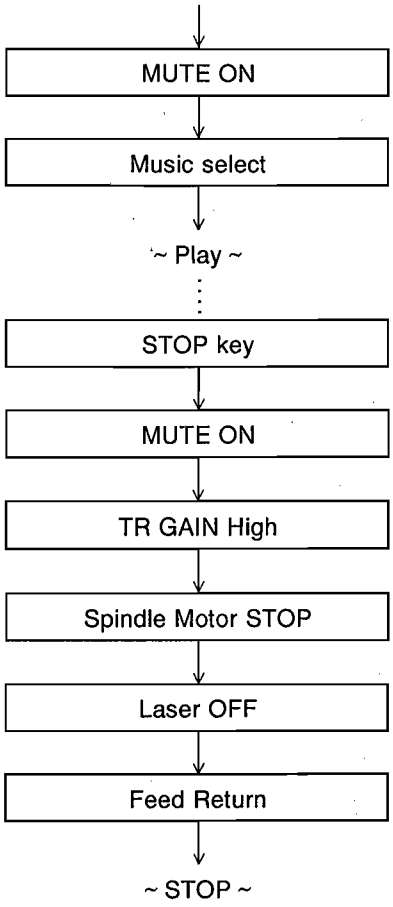
DM+ = High

FCS = Low → High

FCS = High → Low

SYEQ = High

µCOM
MUTE = High (OFF)
TRGL = High



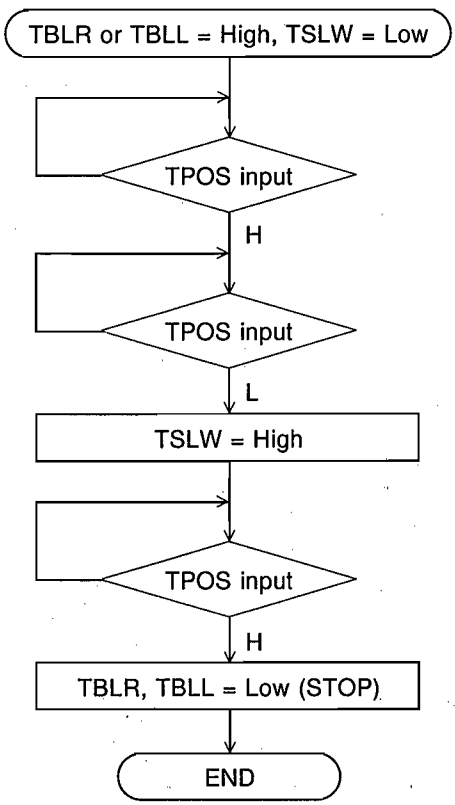
µCOM
MUTE = Low (ON)

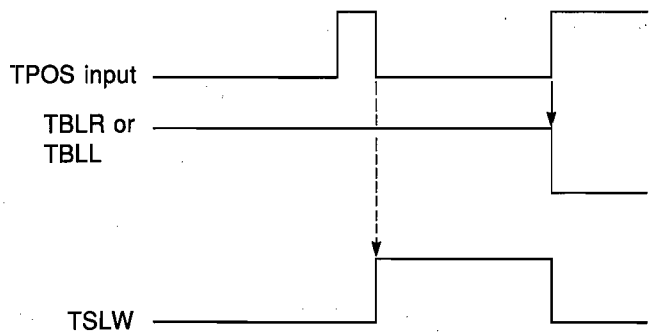
µCOM
TRGL = Low

µCOM
TRGL = Low

µCOM
LSOF = High

● Table control

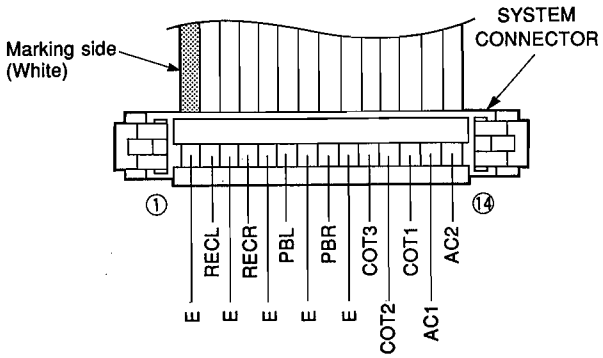




■ KXW-S75 ADJUSTMENTS

1. Before adjustment:

- This unit operates on the power fed from RX-S75 (receiver) of System CC-75.
  When taking measurements, be sure to connect it to RX-S70 or apply AC17.0V or DC24.0V to pins No.13 (AC1) and No.14 (AC2) of the system connector.
  When making adjustments with the power source (AC17.0V or DC24.0V) connected to the system connector, be sure to connect the power source while pressing the STOP key (all LEDs should light). Operation is not available only by connecting the power source. The STOP key must be pressed simultaneously.



- Since head magnetization, dust accumulations, etc. are likely to introduce error in the various characteristics, it is very important that the heads are properly demagnetized and cleaned.
- Make adjustments of mechanical system, playback system and recording system in that order.
- Except for azimuth adjustment, adjust in the forward direction.

2. Instruments required

- Audio frequency oscillator
- ACVM or dual channel (ACVM)
- Wow/flutter meter
- Oscilloscope
- Frequency counter
- Torque meter
  TW-2111A (TX911580) .. Take up/back tension (FWD)
  TW-2121A (TX911570) ... Take up/back tension (RVS)
  CT-160L(TX911120) ..... FF/REW
- DCVM

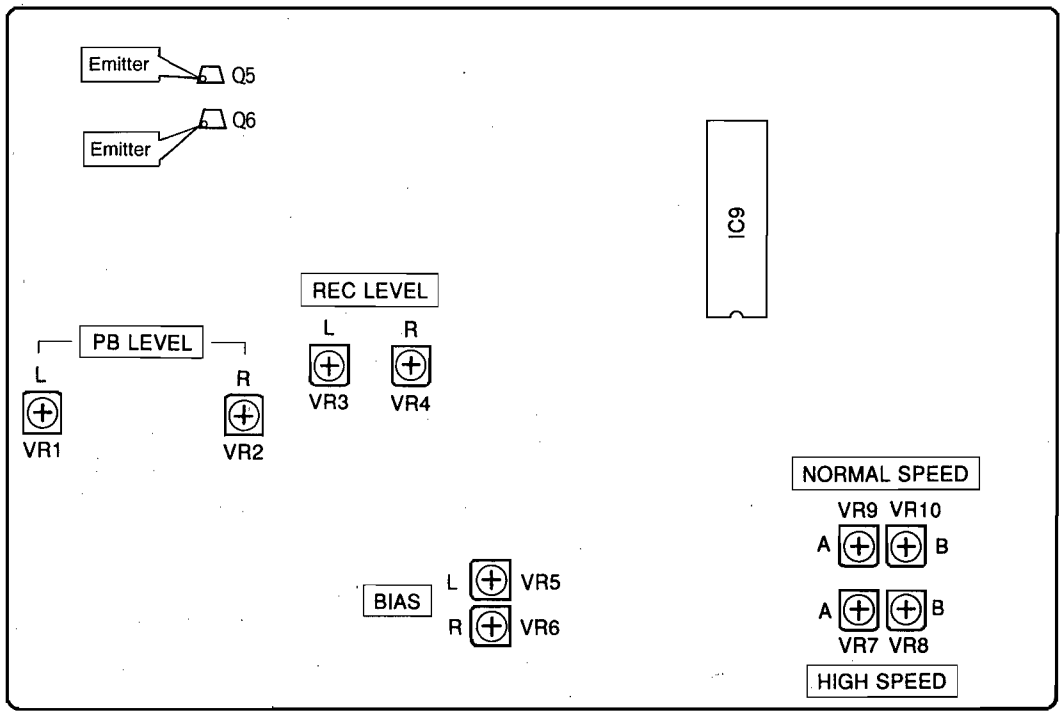
3. Test tape required

- MTT-111N (TX911650) ..... Normal speed
- TCW-211 (TX911550) ..... High speed
- MTT-114N (TX911680) ..... Azimuth
- MTT-212N (TX911660) ..... Playback level
- MTT-256 (TX911300) ..... Playback frequency response (Normal)
- MTT-356 (TX911310) ..... Playback frequency response (CrO_2)
- Reference tape
  Type I/Normal (LH) ..... TDK AC224 (TX912190)
  Type II/High (CrO_2) ..... TDK AC513 (TX911750)
  Type IV/METAL ..... TDK AC712 (TX911590)
  Type I/Normal (LH) ..... TDK AC225 (VU167200)
  Type II/High (CrO_2) ..... TDK AC514 (VU167300)
  Type IV/METAL ..... TDK AC713 (VU167400)

Note)
When AC514 was used for adjustment, be sure to confirm with AC225 and AC713.
Also, when AC513 was used for adjustment, be sure to confirm with AC224 and AC712.

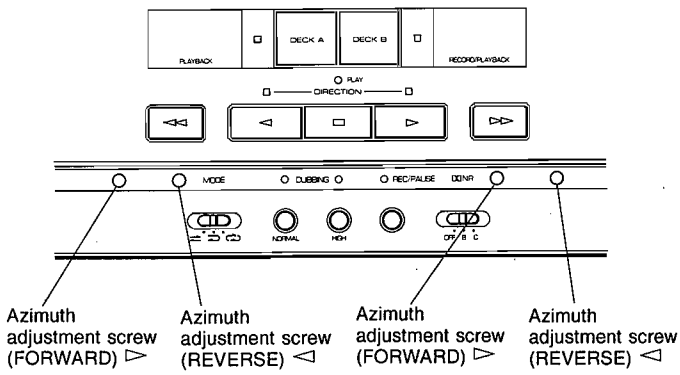
● Test point

LINE OUT
Lch : Q5 Emitter
Rch : Q6 Emitter



"MECHANICAL ADJUSTMENT"

Step	Item to be Adjusted	Tape	Instrument required	Mode	Adjustment part	Rating	Remarks
1	Check each torque	CT-160L (FF, REW)	Torque meter	FF REW		FF, REW torque : within 80~170g/cm.	
		TW-2111A (FWD) TW-2121A (RVS)		PLAY		Take up torque : 35~70g/cm.	
						Back tension : 2.5~6g/cm.	
2	Check FF, REW take up time	AC-513 (C-60)		FF REW		100 to 140 seconds.	
3	Azimuth	MTT-114N 10kHz, –10dB	ACVM Oscilloscope	PLAY	Azimuth adjustment screw.	Playback output of L and R is maximum and phase difference should be minimum both directions. (Fig. A)	After the adjustment make sure to apply screw lock paint.
4	Tape Speed [Adjust the high speed initially, and next the normal speed.]	TCW-211 1.5kHz, –4dB	Frequency counter	PLAY (HIGH)	DECK A VR7	DECK A : 3000Hz ±60Hz	During playback, press the PLAY key and H.Dubbing key simultaneously to enter high-speed mode.
					DECK B VR8	DECK B : 3000Hz ±60Hz	
		MTT-111N 3kHz, –10dB		PLAY (NORM)	DECK A VR9	DECK A : 3000Hz ±60Hz	
					DECK B VR10	DECK B : 3000Hz ±60Hz	
5	Wow/Flutter	MTT-111N 3kHz, –10dB	Wow/flutter meter	PLAY		Less than 0.15% (WRMS)	Perform adjustment at the center of the test tape length if possible.



Line out L : ch 1
Line out R : ch 2
DC input
X-Y (Resurge) mode

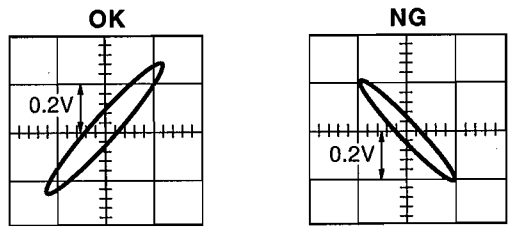


Fig.A

"ELECTRICAL ADJUSTMENT"

- Use 560mV (250nwb/m) for 0dB as the standard level of the unit.
  0dB = 250nwb/m (315Hz) = –5dBV (Line out level)

< Playback section >

Step	Item to be Adjusted	Tape	Instrument required	Mode	Measurement conditions	Points of measurement	Adjustment parts	Rating
1	Playback level (315Hz) (DECK B)	MTT-212N 315Hz, 250nwb/m	ACVM	PLAY		LINE OUT Lch : Q5 Emitter Rch : Q6 Emitter	VR1 (L ch) VR2 (R ch)	–5dBV
2	Confirmation of playback frequency response	Test tape for frequency check. 3180μs+120μs (LH) (MTT-256) 3180μs+70μs (CrO_2) (MTT-356)	ACVM Oscilloscope	PLAY		LINE OUT Lch : Q5 Emitter Rch : Q6 Emitter		Check that the 10kHz playback level is within 0 ± 4dB of the 315Hz playback level. (Fig. B)

● PLAYBACK FREQUENCY RESPONSE

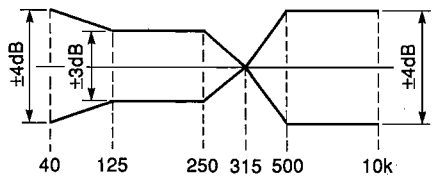


Fig. B

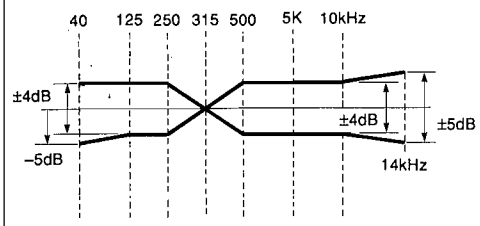
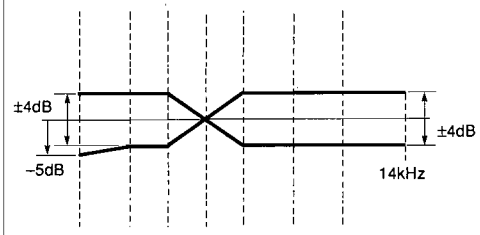
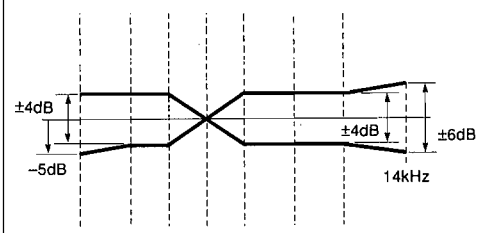
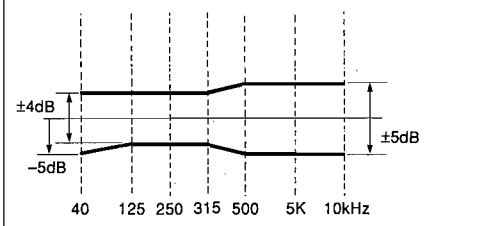
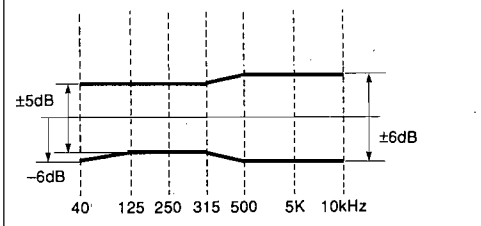
< Recording section > Use the REC RETURN mode as the TEST mode when performing Steps 1 to 3.

Step	Item to be Adjusted	Tape	Instrument required	Mode	Measurement conditions	Points of measurement	Adjustment parts	Rating
1	Recording level (DECK B)	AC-513 High (CrO_2)	ACVM Audio frequency oscillator	REC PLAY	Input 315Hz Signal to LINE IN TERMINAL from Audio Frequency Oscillator. Adjust output level of Audio Frequency Oscillator so that the voltage of LINE OUT TERMINAL becomes –25dBV.	LINE OUT Lch : Q5 Emitter Rch : Q6 Emitter	VR3 (L ch) VR4 (R ch)	Adjust for equal record and playback levels. (–25dBV)
2	Recording bias (Total frequency response) (DECK B)	AC-513 High (CrO_2)	ACVM Audio frequency oscillator	REC PLAY	Input 14kHz Signal to LINE IN TERMINAL from Audio Frequency Oscillator. Adjust output level of Audio Frequency Oscillator so that the voltage of LINE OUT TERMINAL becomes –25dBV.	LINE OUT Lch : Q5 Emitter Rch : Q6 Emitter	VR5 (L ch) VR6 (R ch)	Adjust for equal record and playback levels. (–25dBV)
		AC-224 Normal (LH) AC-712 METAL						Adjust for equal record and playback levels. (Table 1) Perform record bias adjustment of High (CrO_2) tape again, if the rating was not satisfied.
3	Confirmation of recorded level	AC-513 High (CrO_2)	ACVM Audio frequency oscillator	REC PLAY		LINE OUT Lch : Q5 Emitter Rch : Q6 Emitter		Confirm recorded level rating as in step 1 When recorded level rating is improper, go back to step 1 and also carry out adjustments in step 2 again.

LINE IN : AUX

● TOTAL FREQUENCY RESPONCE (–20dB)

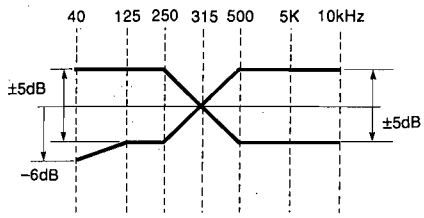
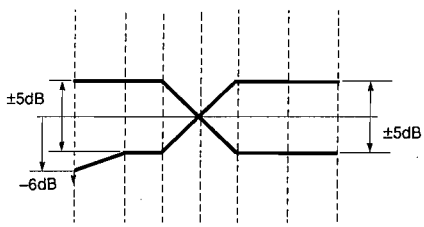
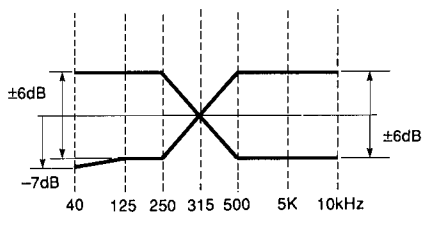
Table 1

NR & TAPE	Rating
NR off Normal (LH)	
NR off High(CrO_2)	
NR off METAL	
Dolby B NR on Normal (LH) High(CrO_2) METAL	
Dolby C NR on Normal (LH) High(CrO_2) METAL	

B & C NR : Reference level must be recorded level.

● DUBBING RESPONSE

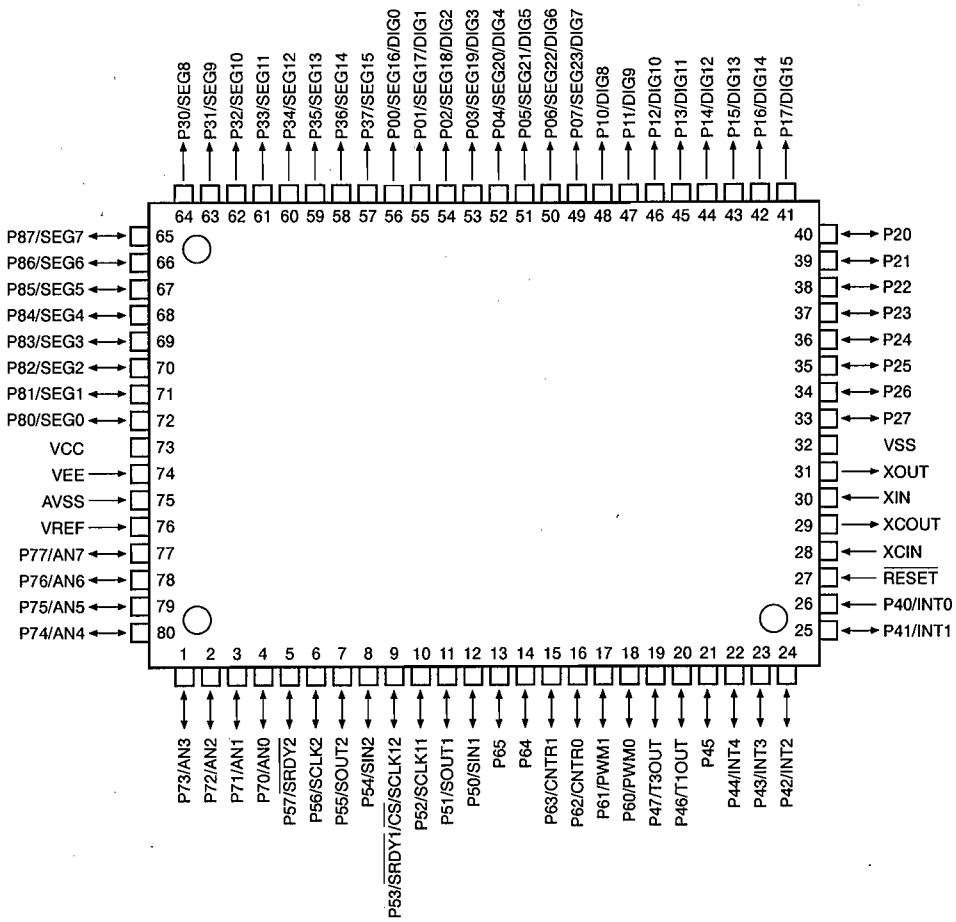
Table 2

SPEED & TAPE	Rating
Normal Speed Normal (LH) High(CrO_2)	
Normal Speed METAL	
High Speed Normal (LH) High(CrO_2) METAL	

RX-S75

■ RX-S75 IC DATA

IC601 : M38173M6-353FP
8 bit μ-COM



Pin No.	Port	Function	
1	P73	MARKET SELECT IN	(A-D)
2	P72	KEY 2 IN	(A-D)
3	P71	KEY 1 IN	(A-D)
4	P70	KEY 0 IN	(A-D)
5	P57	STATION IN (TUNER)	[0 : STATION AVAILABLE]
6	P56	LC72130/DSS CLK OUT	(SERIAL I/O2)
7	P55	LC72130/DSS DATA OUT	(SERIAL I/O2)
8	P54	LC72130 DATA/STEREO/IF END IN	(SERIAL I/O2) *Note 1
9	P53	H.P DET IN	[0 : HP 1 : SP]
10	P52	CD DISPLAY /RDS CLK IN	(SERIAL I/O1)
11	P51		(PULL-DOWN THROUGH RESISTOR)
12	P50	CD DISPLAY RDS DATA IN	(SERIAL I/O1)
13	P65	DECK DATA OUT	(SYSTEM COMMUNICATION COT1)
14	P64	TUNER MUTE OUT (TUNER)	[1 : MUTE ON]
15	P63	POWER ON OUT	[0 : ON 1 : OFF]
16	P62	RELAY OUT	[0 : ON 1 : OFF]
17	P61	ROTARY ENCODER B IN	
18	P60	ROTARY ENCODER A IN	
19	P47	LC72130 CE OUT	[1 : DATA TRANSFER]
20	P46	TAPE MONITOR SW OUT	[0 : TAPE MONITOR ON]
21	P45	INPUT SELECT OUT A	*Note 2
22	P44	INPUT SELECT OUT B	*Note 2
23	P43	RDS DATA START IN	[0 : START]
24	P42	CD DISPLAY START IN	[1 : START]
25	P41	REMOTE CONTROL IN	
26	P40	POWER DOWN AC PULSE IN	
27	RES	RESET	

RX-S75

IC601 : M38173M6-353FP
8 bit μ-COM

Pin No.	Port	Function	
28	XCIN	32.768 kHz IN (SUB CLOCK) for TIMER	
29	XCOUT	32.768 kHz OUT (SUB CLOCK) for TIMER	
30	XIN	6.3 MHz IN (MAIN CLOCK)	
31	XOUT	6.3 MHz OUT (MAIN CLOCK)	
32	VSS	GND	
33	P27	CD DATA IN	(SYSTEM COMMUNICATION COT 2)
34	P26	CD DATA OUT	(SYSTEM COMMUNICATION COT 0)
35	P25	VOLUME DOWN OUT	
36	P24	VOLUME UP OUT	
37	P23	DECK DATA IN	(SYSTEM COMMUNICATION COT 3)
38	P22	IC(POWER) MUTE OUT	[0 : OFF 1 : ON]
39	P21	DSS(SP3) CE OUT	[0 : DATA TRANSFER]
40	P20	DSS(SP3) ON OUT	[0 : ON 1 : OFF]
41	P17	DIG 15	
42	P16	DIG 14	
43	P15	DIG 13	
44	P14	DIG 12	
45	P13	DIG 11	
46	P12	DIG 10	
47	P11	DIG 9	
48	P10	DIG 8	
49	P07	DIG 7	
50	P06	DIG 6	
51	P05	DIG 5	
52	P04	DIG 4	
53	P03	DIG 3	
54	P02	DIG 2	
55	P01	DIG 1	
56	P00	DIG 0	
57	P37	SEG 15	
58	P36	SEG 14	
59	P35	SEG 13	
60	P34	SEG 12	
61	P33	SEG 11	
62	P32	SEG 10	
63	P31	SEG 9	
64	P30	SEG 8	
65	P87	SEG 7	(EXTERNAL PULL-DOWN)
66	P86	SEG 6	(EXTERNAL PULL-DOWN)
67	P85	SEG 5	(EXTERNAL PULL-DOWN)
68	P84	SEG 4	(EXTERNAL PULL-DOWN)
69	P83	SEG 3	(EXTERNAL PULL-DOWN)
70	P82	SEG 2	(EXTERNAL PULL-DOWN)
71	P81	SEG 1	(EXTERNAL PULL-DOWN)
72	P80	SEG 0	(EXTERNAL PULL-DOWN)
73	VCC	+5V	
74	VEE	P0, P1, P3 PULL-DOWN RESISTOR POWER IN	
75	AVSS	GND	
76	VREF	A-D REFERENCE VOLTAGE IN	
77	P77	AMP MUTE OUT	[0 : MUTE ON]
78	P76	RDS ID IN	[0 : RDS DETECT]
79	P75	RDS RESET OUT	[0 : RESET]
80	P74		(PULL-DOWN THROUGH RESISTOR)

RX-S75

● A/D INPUT PORT

For Pin1, Pin2, Pin3 and Pin4, the indicated voltage, which is the divisional voltage of the standard 5V with resistance, is detected when the corresponding key is pressed.

VOLTAGE AREA *1	STANDARD VOLTAGE *2	MARKET (Pin1)	KEY2 (Pin2)	KEY1 (Pin3)	KEY0 (Pin4)
Less than 0.556	0	A (R)	MEMORY	PRESET DOWN	POWER
0.556 — 1.111	0.834	R	AUTO MEMO	PRESET UP	EFFECT/RDS FREQ
1.111 — 1.667	1.39	A, L	DISPLAY	A/B/C/D/E	MODE/RDS MODE
1.667 — 2.222	1.94	B, G	—	BAND	SP/RDS START
2.222 — 2.778	2.50	U, C	—	TUNING DOWN	—
2.778 — 3.333	3.06	J	—	TUNING UP	—
3.333 — 3.889	3.61	—	—	AUTO/MAN'L	—
3.889 — 4.444		—	—	—	—

*1 The Voltage Area is when the Power Source is 5V, and it changes in proportion to the voltage.
*2 Standard Voltage is the value when the Power Source is 5V under the present resistance value.

● **NOTE 1** ..... Pin 8(P54)

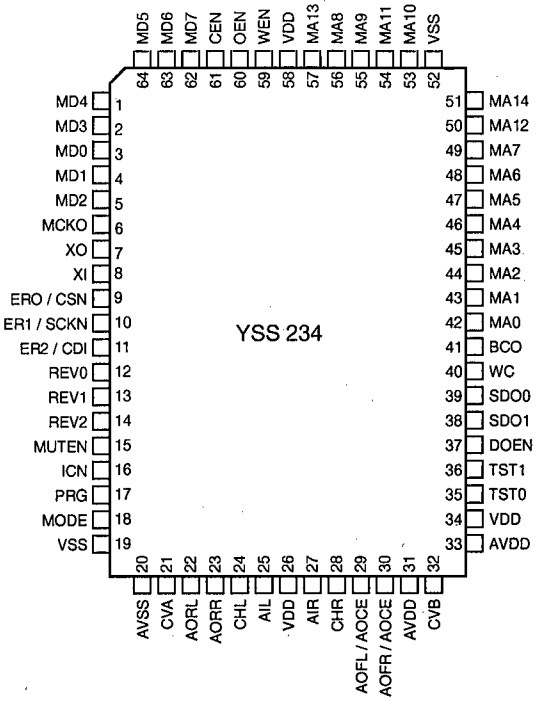
LC72130 DATA (SERIAL I/O2)
STEREO IN [0 : STEREO 1 : MONO]
IF END IN [0 : END 1 : NO END]

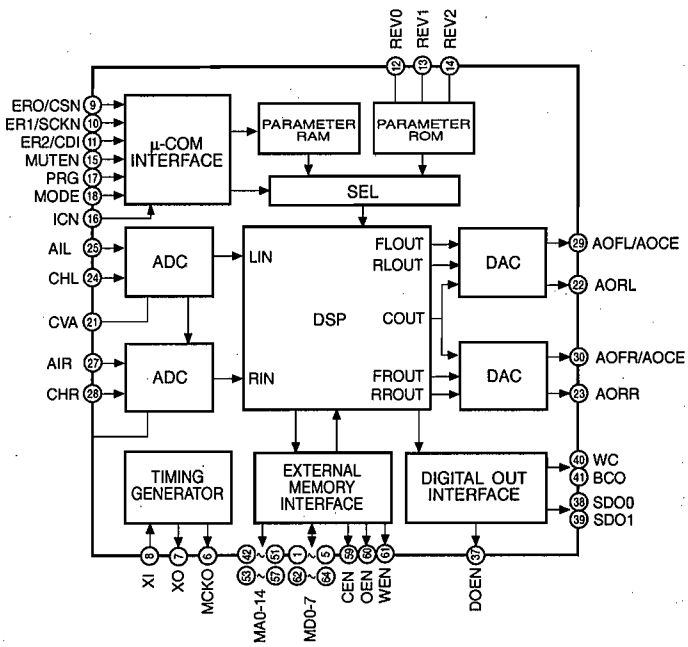
● **NOTE 2** ..... Pin 21(P45) and Pin 22(P44) INPUT SELECTOR OUT

INPUT SELECTOR	PHONO/AUX 2	TUNER	CD	AUX/AUX 1
SELECT A	1	1	0	0
SELECT B	1	0	1	0

RX-S75

IC714 : YSS234
Digital Sound Processor





No.	Name	I/O	Function
1	MD4	I/O	External RAM interface data terminal
2	MD3	I/O	
3	MD0	I/O	
4	MD1	I/O	
5	MD2	I/O	
6	MCKO	O	DOEN = 'L' : Master clock output terminal (12.288MHz) DOEN = 'H' : 'L' fixed Not Used (N. C.)
7	XO	O	Crystal oscillator connection terminal
8	XI	I	Crystal oscillator connection terminal or external clock input terminal (12.288MHz)
9	ER0/CSN	I+s	CSN : Coefficient setting Chip select
10	ER1/SCKN	I+s	SCKN : Coefficient setting Serial clock
11	ER2/CDI	I+s	CDI : Coefficient setting Serial data

RX-S75

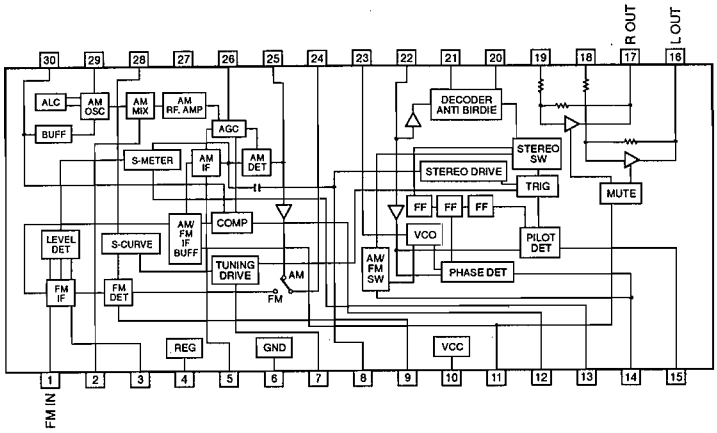
IC714 : YSS234
Digital Sound Processor

No.	Name	I/O	Function
12	REV0	I+	VSS
13	REV1	I+	
14	REV2	I+	
15	MUTEN	I+	
16	ICN	Is	Initial clear input
17	PRG	I+	VSS
18	MODE	I+	
19	VSS	—	Ground (for digital block)
20	AVSS	–A	Ground (for analog block)
21	CVA	–A	L-ch ADC midpoint voltage terminal
22	AORL	OA	Rear L-ch DAC output terminal
23	AORR	OA	Rear R-ch DAC output terminal
24	CHL	–A	AIL input sample hold capacitance terminal
25	AIL	IA	L-ch ADC input terminal
26	VDD	—	+5V power supply (for digital block)
27	AIR	IA	R-ch ADC input terminal
28	CHR	–A	AIR input sample hold capacitance terminal
29	AOFL/AOCE	OA	Front L-ch DAC output terminal
30	AOFR/AOCE	OA	Front R-ch DAC output terminal
31	AVDD	–A	+5V power supply (for analog block)
32	CVB	–A	R-ch, ADC midpoint voltage terminal
33	AVDD	–A	+5V power supply (for analog block)
34	VDD	—	+5V power supply (for digital block)
35	TST0	I+	VDD
36	TST1	I+	
37	DOEN	I+	
38	SDO1	O	Not Used (N.C.)
39	SDO0	O	
40	WC	O	
41	BCO	O	
42	MA0	O	External RAM interface address terminal
43	MA1	O	
44	MA2	O	
45	MA3	O	
46	MA4	O	
47	MA5	O	
48	MA6	O	
49	MA7	O	
50	MA12	O	
51	MA14	O	
52	VSS	—	Ground (for digital block)
53	MA10	O	External RAM interface address terminal
54	MA11	O	
55	MA9	O	
56	MA8	O	
57	MA13	O	
58	VDD	—	+5V power supply (for digital block)
59	WEN	O	External RAM interface write enable terminal
60	OEN	O	External RAM interface output enable terminal
61	CEN	O	External RAM interface chip select terminal
62	MD7	I/O	External RAM interface data terminal
63	MD6	I/O	
64	MD5	I/O	

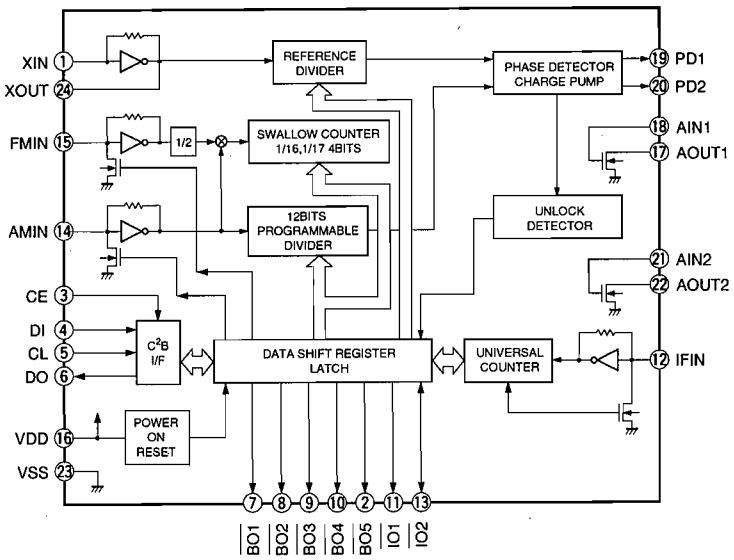
Note) Symbols in I/O column **I :** Terminal with pulled up resistance **S :** Schmitt circuit included **A :** Analog terminal

RX-S75

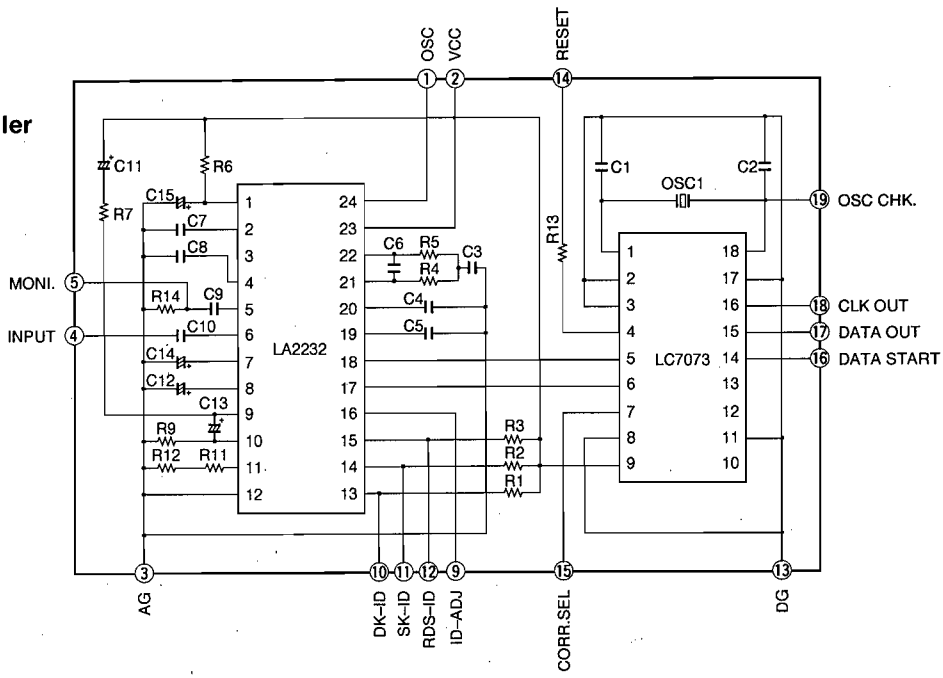
IC501 : LA1836
AM/FM Tunner



IC502 : LC72130
PLL Controller

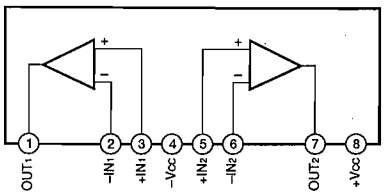


IC505 : STK311-020B
RDS Decoder & Controller

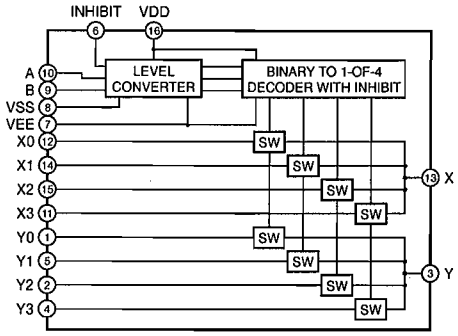


RX-S75

IC201, 206 : NJM2068L-D
IC215 : BA15218N
IC222 : M5218L
IC715, 719 : M5238AP
Dual OP-Amp

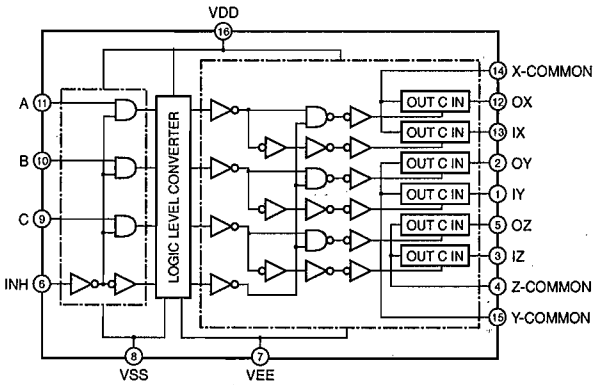


IC203 : TC4052B2
Dual 4 Channel Analog Multiplexers/Demultiplexers



INHIBIT	B	A	
0	0	0	0x, 0y
0	0	1	1x, 1y
0	1	0	2x, 2y
0	1	1	3x, 3y
1	X	X	NONE

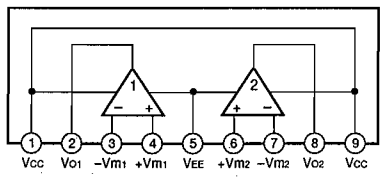
IC202, 204 : TC4053BP
Triple 2 Channel Analog Multiplexers/Demultiplexers



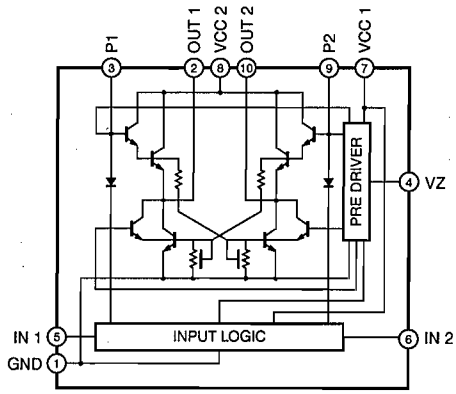
CONTROL INPUTS				"ON" CHANNEL
INHIBIT (Pin 6)	C (Pin 9)	B (Pin 10)	A (Pin 11)	0X (Pin 12), 0Y (Pin 2), 0Z (Pin 5) 1X (Pin 13), 1Y (Pin 1), 1Z (Pin 3)
L	L	L	L	0X, 0Y, 0Z
L	L	L	H	1X, 0Y, 0Z
L	L	H	L	0X, 1Y, 0Z
L	L	H	H	1X, 1Y, 0Z
L	H	L	L	0X, 0Y, 1Z
L	H	L	H	1X, 0Y, 1Z
L	H	H	L	0X, 1Y, 1Z
L	H	H	H	1X, 1Y, 1Z
H	*	*	*	NOTE

* Don't Care

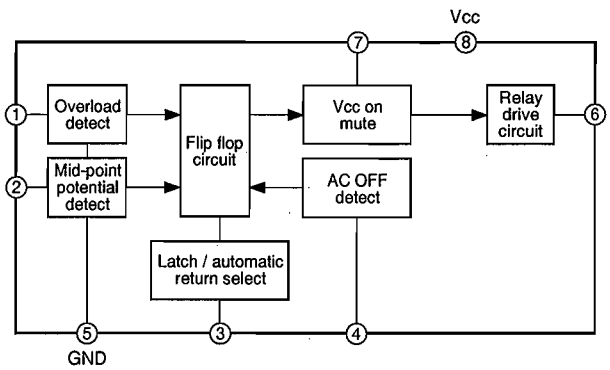
IC211, 227, 228 : µPC4570HA
IC701, 705, 710, 723, 727, 731 : µPC4570HA
Dual OP-Amp



IC205 : LB1641
Motor Driver

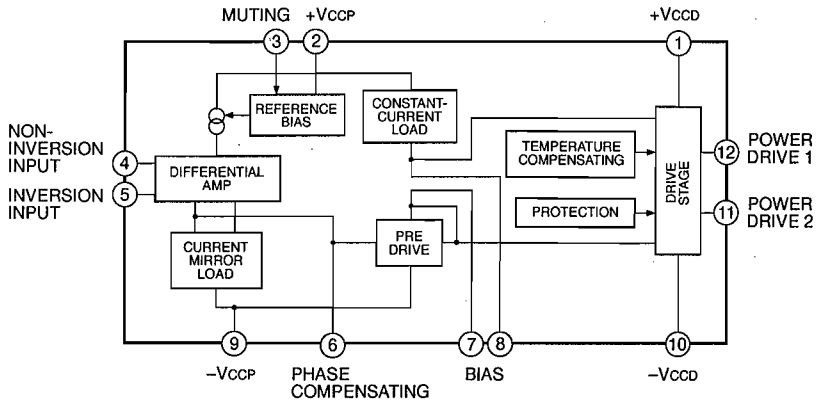


IC226 : µPC1237HA
Protector IC for Power Amplifier

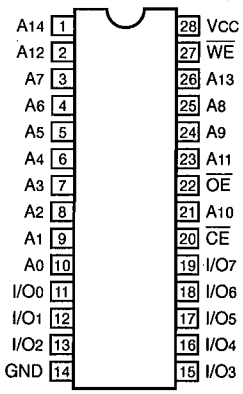


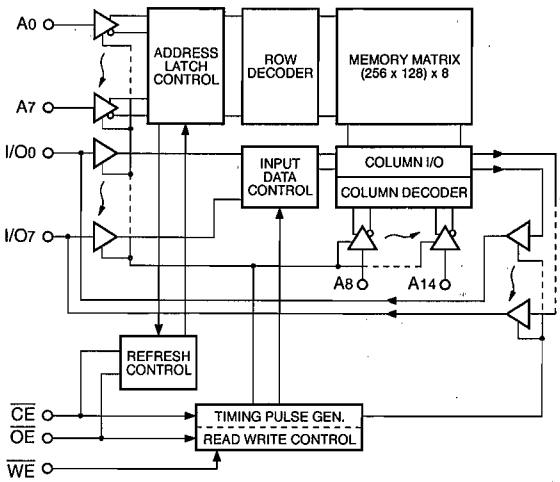
RX-S75

IC220, 221 : μPC1225HA
Power Amplifier



IC709 : HM65256BLFP-10T
32768-word x 8bit High Speed Pseudo Static RAM

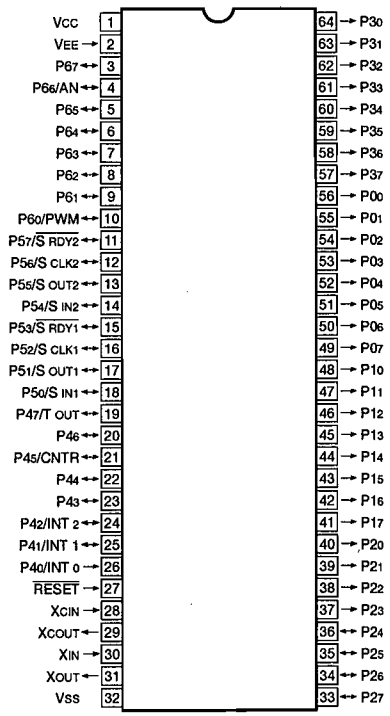


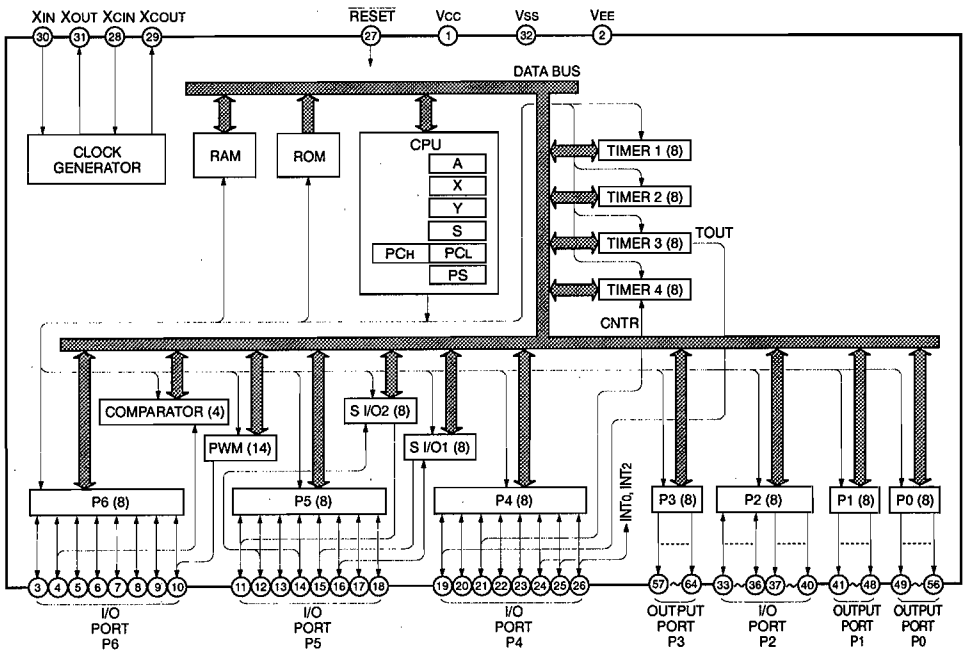


CDC-S75

■ CDC-S75 IC DATA

IC7 : M38103M6
8 bit μ-COM





Pin No.	Port	Name	Function	
1	VCC	VCC		
2	VEE	VEE	P0, P1, P20~P23, P3 Pull-down power	
3	P67	FLSW	FEED ORIGIN SW	ORIGIN : L
4	P66	TPOS	TABLE position detect	ACT : H
5	P65	OPSW	Tray OPEN SW	OPEN : L
6	P64	CLSW	Tray CLOSE SW	CLOSE : L
7	P63	POSW	Tray Intermediate SW	ON : L
8	P62	UPSW	Clamp UP SW	UP : L
9	P61	DWSW	Clamp DOWN SW	DOWN : L
10	P60	WQ	SPC REQUEST	ACT : H

CDC-S75

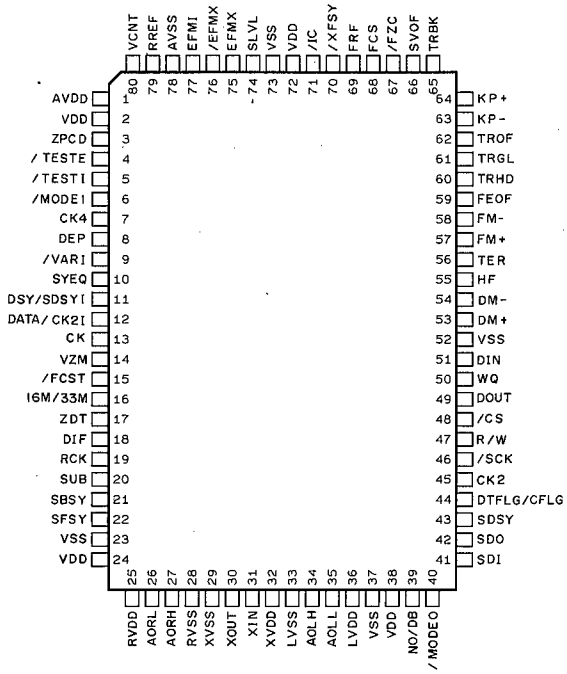
IC7 : M38103M6
8 bit μ-COM

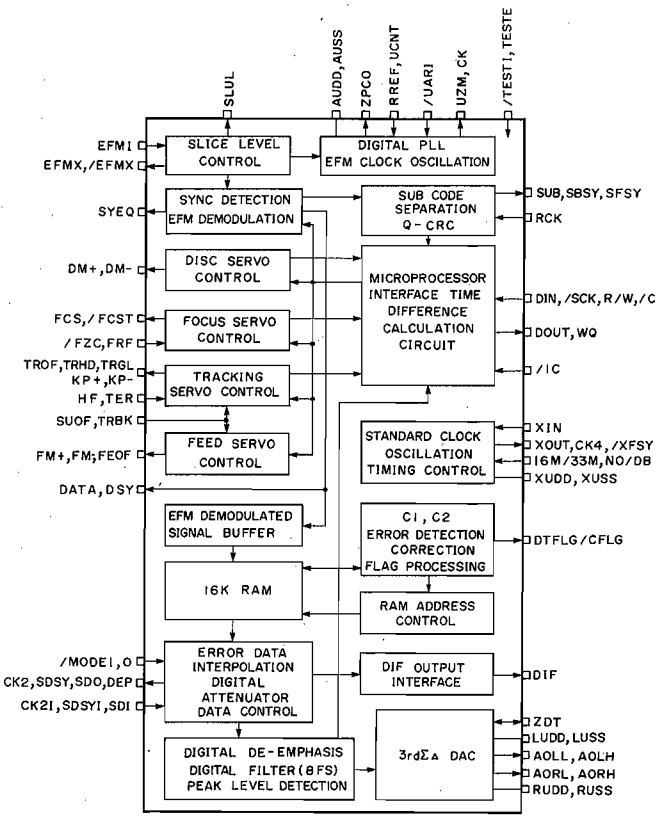
Pin No.	Port No.	Name	Function	
11	P57	R/W	Read/Write SPC	ACT : H
12	P56	SCK	Serial clock to SPC	ACT : L
13	P55	SO	Serial OUT to SPC	ACT : L
14	P54	SI	Serial IN from SPC	ACT : L
15	P53	PON	Power supply CTRL	ON : H
16	P52	LSCK	Serial clock to LCD DRIVER	ACT : L
17	P51	LSO	Serial OUT to LCD DRIVER	ACT : L
18	P50	(NC)		
19	P47	CE	CHIP ENABLE LCD DRIVER	ACT : H
20	P46	(NC)		
21	P45	TER	Track error	
22	P44	MUTE	LINE MUTE	OFF : H
23	P43	LSOF	Laser OFF	OFF : H
24	P42	DAT2	SYSTEM DATA OUT	
25	P41	DAT3	SYSTEM DATA from DECK	
26	P40	DAT0	SYSTEM DATA from RECEIVER	
27	RESET	RESET		
28	XCI	(NC)	GND	
29	XCO	(NC)		
30	XIN	CLOCK	(4MHz)	
31	XOUT			
32	VSS	GND		
33	P27	K3	KEY INPUT3	
34	P26	K2	KEY INPUT2	
35	P25	K1	KEY INPUT1	
36	P24	K0	KEY INPUT0	
37	P23	KD3	KEY SCAN DIGIT3	
38	P22	KD2	KEY SCAN DIGIT2	
39	P21	KD1	KEY SCAN DIGIT1	
40	P20	KD0	KEY SCAN DIGIT0	
41	P17	(NC)		
42	P16	(NC)		
43	P15	(NC)		
44	P14	(NC)		
45	P13	(NC)		
46	P12	(NC)		
47	P11	CLUP	Chucking UP	ACT : H
48	P10	CLDW	Chucking DOWN	ACT : H
49	P07	OP	TRAY CLOSE	ACT : H
50	P06	CL	TRAY OPEN	ACT : H
51	P05	TBLR	TABLE Clockwise revolution	ACT : H
52	P04	TBLL	TABLE Counterclockwise revolution	ACT : H
53	P03	TSLW	TABLE Revolution Deceleration	SLOW : H
54	P02	VCOL	VCO Gain CTRL (NC)	LOW : H
55	P01	DM−	DISC MOTOR Deceleration	ACT : H
56	P00	DM+	DISC MOTOR Acceleration	ACT : H
57	P37	(NC)		
58	P36	TRBK	TRK Brake	ON : H
59	P35	SVOF	TRK Servo OFF	OFF : H
60	P34	(NC)		
61	P33	(NC)		
62	P32	FEOF	FEED Servo OFF	OFF : H
63	P31	FEGL	FEED Gain CTRL	LOW : H
64	P30	TRGL	TRK Gain CTRL	LOW : H

CDC-S75

IC6 : YDC103

Signal Processor & Controller for Compact Disc Player





Pin No.	Pin Name	I/O	Function
1	AVDD	A	5V power supply (PLL section)
2	VDD		5V power supply (LOGIC section)
3	ZPC0	O	Phase comparison output for digital PLL drive clock generator
4	/TEST E	I+	LSI test terminal (No connection should be made)
5	/TEST I	I+	LSI test terminal (No connection should be made)
6	/MODE 1	I+	Sound output made setting 1
7	CK4	O	Clock output (4.2336MHz)
8	DEP	O	De-emphasis control output
9	/VARI	I+	Variable speed playback select ('L' : variable speed playback)
10	SYEQ	O	Synchronous equal signal output
11	DSY/SDSYI	I/O	EFM modulation signal, synchronous signal / L/R clock input when in DSP mode
12	DATA/CK2I	I/O	EFM modulation signal data signal / bit clock input when in DSP mode
13	CK	OD	EFM playback clock output
14	VZM	OD	Digital PLL drive clock output, driving into 3 or 6 output
15	/FCST	OD	Focus search start signal output
16	16M/33M	I+	Master clock select ('H' : 16.9344MHz, 'L' : 33.8688MHz)
17	ZDT	I+/O	DAC zero detect mute enable / sound zero detect output
18	DIF	O	Digital audio interface signal output
19	RCK	I–	Sub-code interface Read clock
20	SUB	OD	Sub-code interface Sub-code data
21	SBSY	OD	Sub-code interface Block synchronous signal
22	SFSY	OD	Sub-code interface Frame synchronous signal
23	VSS		Ground (Logic section)
24	VDD		5V power supply (Noise shaper section)
25	RVDD	A	5V power supply (DAC Rch section)
26	AORL	OA	DAC stream output (Rch L)
27	AORH	OA	DAC stream output (Rch H)
28	RVSS	A	Ground (DAC Rch section)

CDC-S75

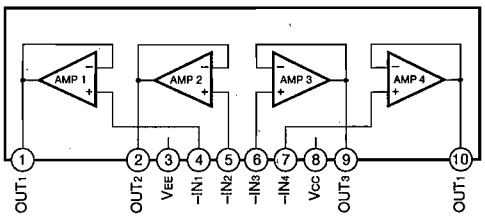
IC6 : YDC103
Signal Processor & Controller for Compact Disc Player

Pin No.	Pin Name	I/O	Function
29	XVSS		Ground (Crystal oscillator section)
30	XOUT	O	Crystal oscillator connection terminal
31	XIN	I	Crystal oscillator connection terminal (16.9344MHz or 33.8688MHz)
32	XVDD		5V power supply (Crystal oscillator section)
33	LVSS	A	Ground (DAC Lch section)
34	AOLH	OA	DAC stream output (Lch H)
35	AOLL	OA	DAC stream output (Lch L)
36	LVDD	A	5V power supply (DAC Lch section)
37	VSS		Ground (Noise shaper section)
38	VDD		5V power supply (Logic section)
39	NO/DB	I+	Normal/double speed playback select
40	/MODE0	I+	Sound output mode setting 0
41	SDI	I	DAC digital data input
42	SDO	O	Audio data output Serial data
43	SDSY	O	Audio data output L/R clock
44	DTFLG/CFLG	O	Audio data output Error flag
45	CK2	O	Audio data output Bit clock
46	/SCK	I	Microprocessor interface Serial clock
47	R/W	I	Microprocessor interface R/W identifying signal
48	/CS	I+	Microprocessor interface Chip select
49	DOUT	OT	Microprocessor interface Data output
50	WQ	O	Microprocessor interface Data read request signal
51	DIN	I	Microprocessor interface Data input
52	VSS		Ground (Logic section)
53	DM+	O	Disc motor control signal (acceleration)
54	DM–	O	Disc motor control signal (deceleration)
55	HF	IS	Mirror signal input
56	TER	IS	Tracking error signal input
57	FM+	O	Feed control signal (outward)
58	FM–	O	Feed control signal (inward)
59	FEOF	O	Feed servo OFF signal
60	TRHD	O	Tracking hold signal
61	TRGL	O	Tracking gain lowering signal
62	TROF	O	Tracking servo OFF signal
63	KP–	O	Kick pulse signal (inward)
64	KP+	O	Kick pulse signal (outward)
65	TRBK	I	Force tracking brake signal
66	SVOF	I	Focus servo OFF signal
67	/FZC	I+	Focus error zero cross signal input
68	FCS	O	Focus start signal
69	FRF	I	Focus reflection signal
70	/XFSY	OD+	Crystal frame synchronous signal (7.35kHz)
71	/IC	IS+	Initial clear input
72	VDD		5V power supply (Logic section)
73	VSS		Ground (Logic section)
74	SLVL	OA	EFM slice level voltage output
75	EFMX	OA	EFM duty detect output (positive phase)
76	/EFMX	OA	EFM duty detect output (nagative phase)
77	EFMI	IA	EFM signal input
78	AVSS	A	Ground (PLL section)
79	RREF	IA	Digital PLL drive clock generator Constant current resistor connecting terminal
80	VCNT	IA	Digital PLL drive clock generator Control terminal

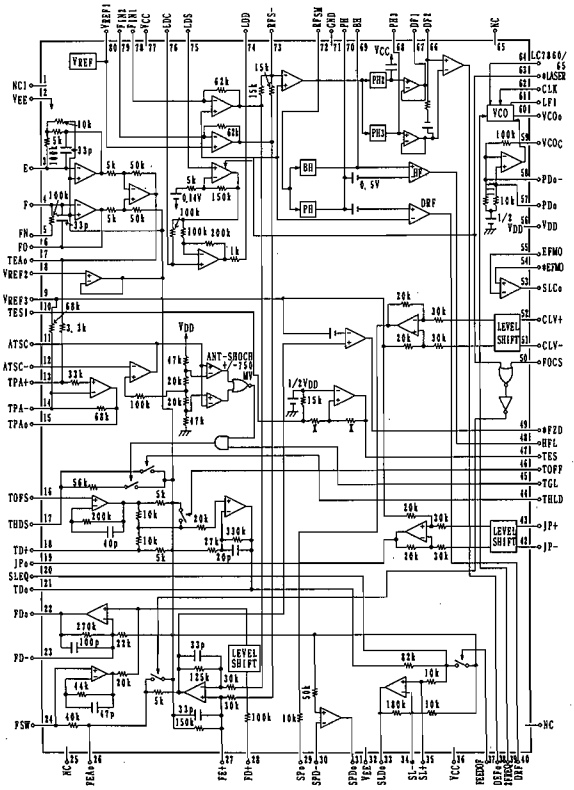
Note 1) Symbols in I/O
+ : Pull up, **–** : Pull down, **D** : Open Drain, **T** : 3-State, **S** : Schmitt Trigger, **A** : Analog Terminal

CDC-S75

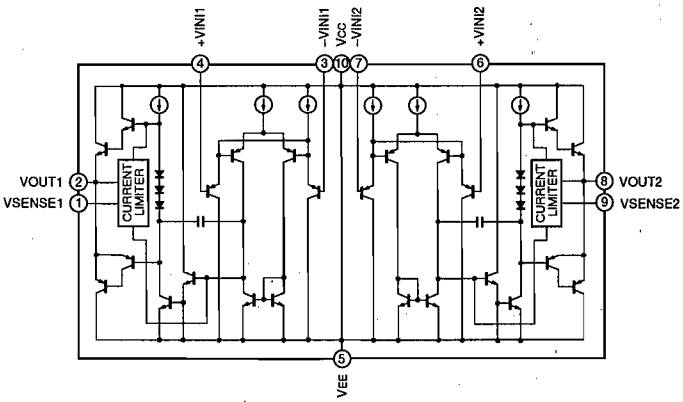
IC1 : LA6524
4-Channel Power Driver



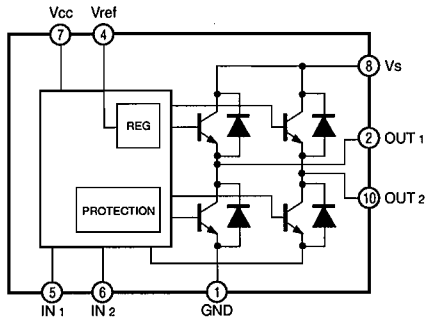
IC3 : LA9210M
RF-Amp & Servo Controller



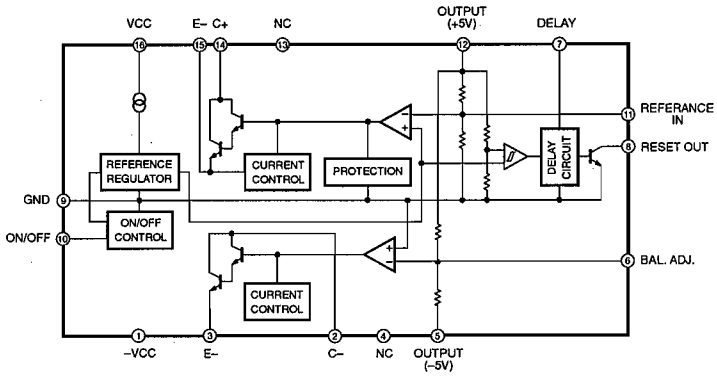
IC4 : LA6515
Dual Power Operation Amp



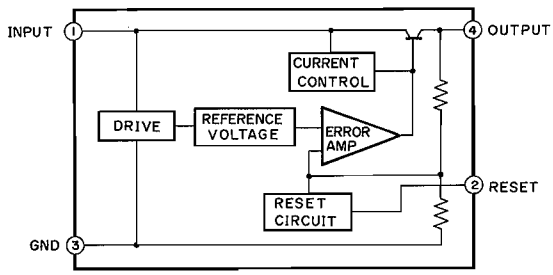
IC5 : TA7291P
Full Bridge Motor Driver



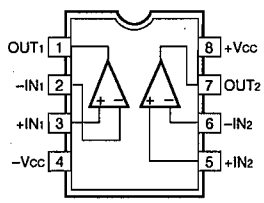
IC12 : M5290P
Constant-Voltage Tracking Supply with Reset



IC13 : µPC2253H
+5V Regulator with Reset



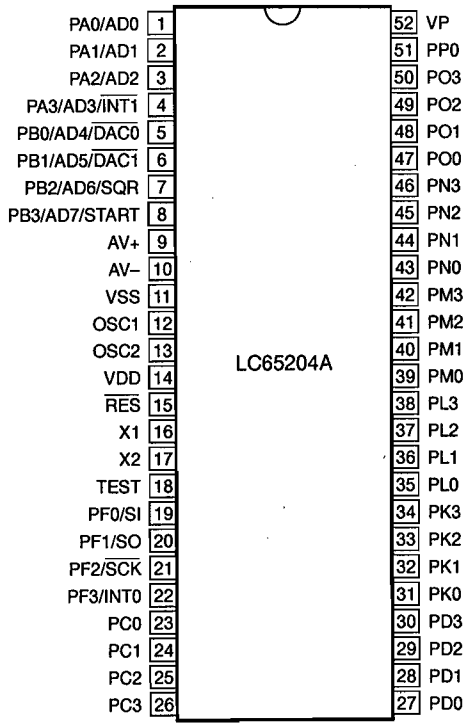
IC2 : NJM4558DV
IC8~11 : NJM2068D-D
Dual OP-Amp

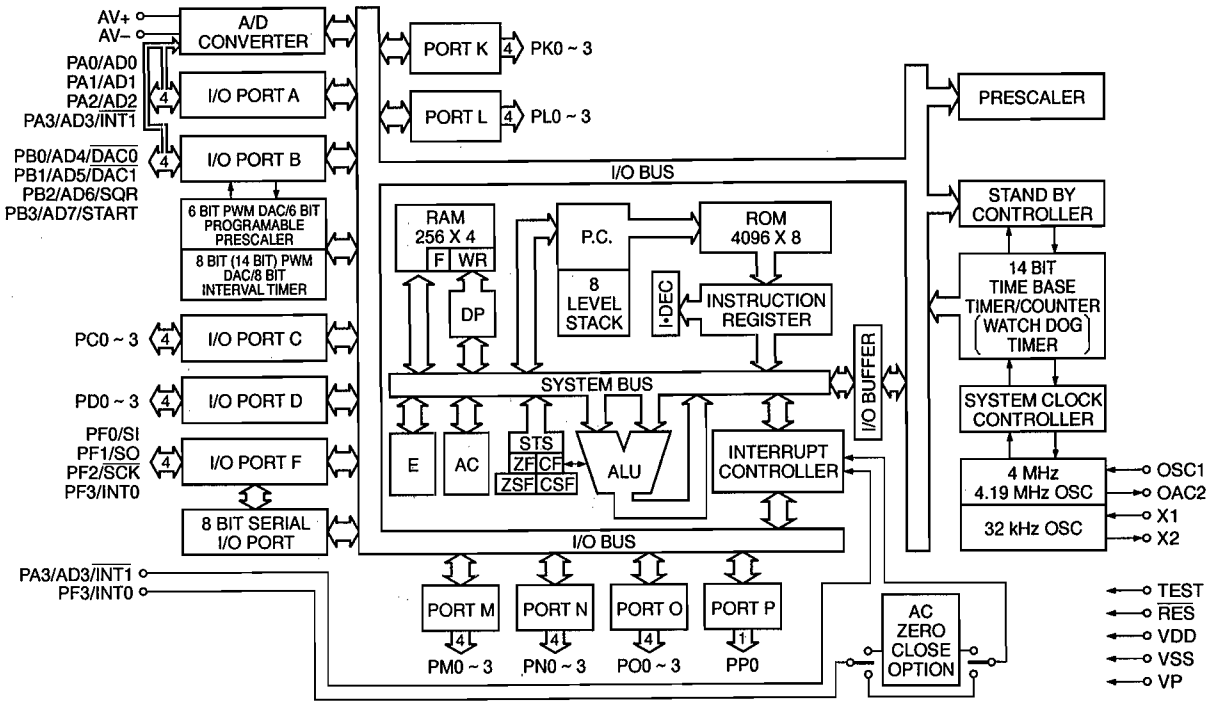


KXW-S75

■ KXW-S75 IC DATA

IC9 : LC65204A-4B83
4 bit μ-COM





KXW-S75

IC9 : LC65204A-4B83
4 bit μ-COM

No.	Port	Function	Logic
1	PA0	OPERATION KEY (1) A/D	
2	PA1	OPERATION KEY (2) A/D	
3	PA2	REVERSE SW A/D	
4	PA3	MECHA SW (A DECK) A/D	
5	PB0	MECHA SW (B DECK) A/D	
6	PB1	MECHA SW (B DECK) A/D	
7	PB2	REEL PULSE (A DECK)	
8	PB3	REEL PULSE (B DECK)	
9	AV+	+5V	
10	AV–	GND	
11	VSS	GND	
12	OSC1	4MHz	
13	OSC2	4MHz	
14	VDD	+5V	
15	RES	RESET	
16	X1	+5V	
17	X2	OPEN	
18	TEST	GND	
19	PF0	DOLBY R/P	H : REC
20	PF1	AMP CONTROL METAL	H : OFF
21	PF2	AMP CONTROL HIGH	H : OFF
22	PF3	Not use (GND)	
23	PC0	Not use (4.7k GND)	
24	PC1	DATA1 (FROM RECEIVER)	
25	PC2	DATA2 (FROM CD)	
26	PC3	DATA3 (TO CD & RECEIVER)	

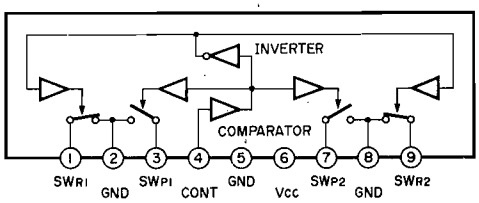
No.	Port	Function	Logic
52	Vp	GND	
51	PP0	Not use (+5V)	
50	PO3	LED HIGH DUBBING	H : ON
49	PO2	LED NORMAL DUBBING	H : ON
48	PO1	LED B	H : ON
47	PO0	LED A	H : ON
46	PN3	LED REC	H : ON
45	PN2	LED RUN	H : ON
44	PN1	LED R•PLAY	H : ON
43	PN0	LED F•PLAY	H : ON
42	PM3	MECHA CONT SOLENOID (B)	H : ON
41	PM2	MECHA CONT MOTOR (B)	H : ON
40	PM1	MECHA CONT SOLENOID (A)	H : ON
39	PM0	MECHA CONT MOTOR (A)	H : ON
38	PL3	HIGH SPEED	H : LOW
37	PL2	AMP CONT R/P	H : REC
36	PL1	AMP CONT RM	H : ON
35	PL0	AMP CONT LM	H : OFF
34	PK3	AMP CONT 70N	H : OFF
33	PK2	AMP CONT 70H	H : OFF
32	PK1	AMP CONT A/B	H : A
31	PK0	AMP CONT HD	H : NS
30	PD3	AMP CONT BIAS	H : OFF
29	PD2	Not use (4.7K GND)	
28	PD1	Not use (4.7K GND)	
27	PD0	Song select	

MODE & PIN SIGNAL

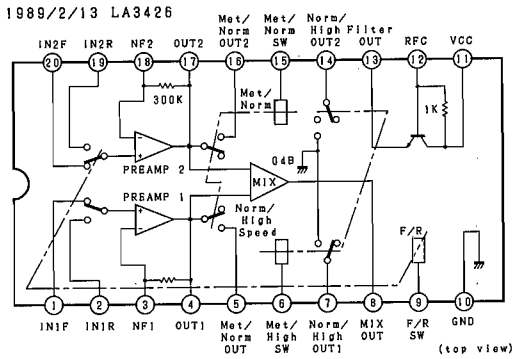
PIN No.	OUTPUT	STOP	PLAY	FF/REW	CUE/REV	R•PAUSE	R•PLAY	N•DUB	H•DUB
35	LINE MUTE	L	H	L	L	H	H	H	H
36	REC MUTE	H	H	H	H	H	L	L	L
30	BIAS	H	H	H	H	H	L	L	L
37	R/P	L	L	L	L	H	H	H	H
19	DOLBY R/P	L	L	L	L	H	H	L	L
31	HIGH DUB	H	H	H	H	H	H	H	L
39 or 41	MOTOR	L	H	H	H	H	H	H	H
38	HIGH SPEED	H	H	H	H	H	H	H	L

KXW-S75

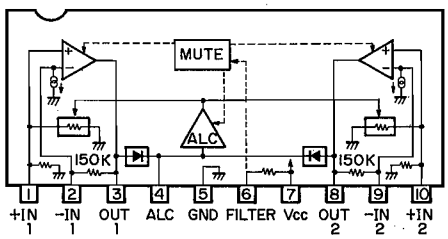
IC1 : μPC1330HA
2ch Head Selector Switch



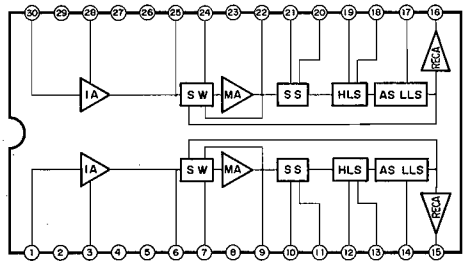
IC2 : LA3246
Playback Amp



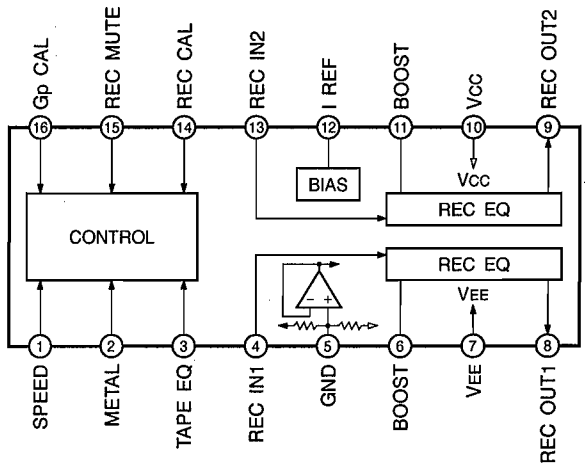
IC3 : BA3312N
Dual Pre Amp with ALC



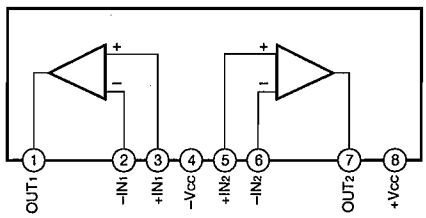
IC4 : HA12142NT
Dolby B&C-Type Noise Reduction Processor



IC5 : CXA1578P
Recording Equalizer Amp

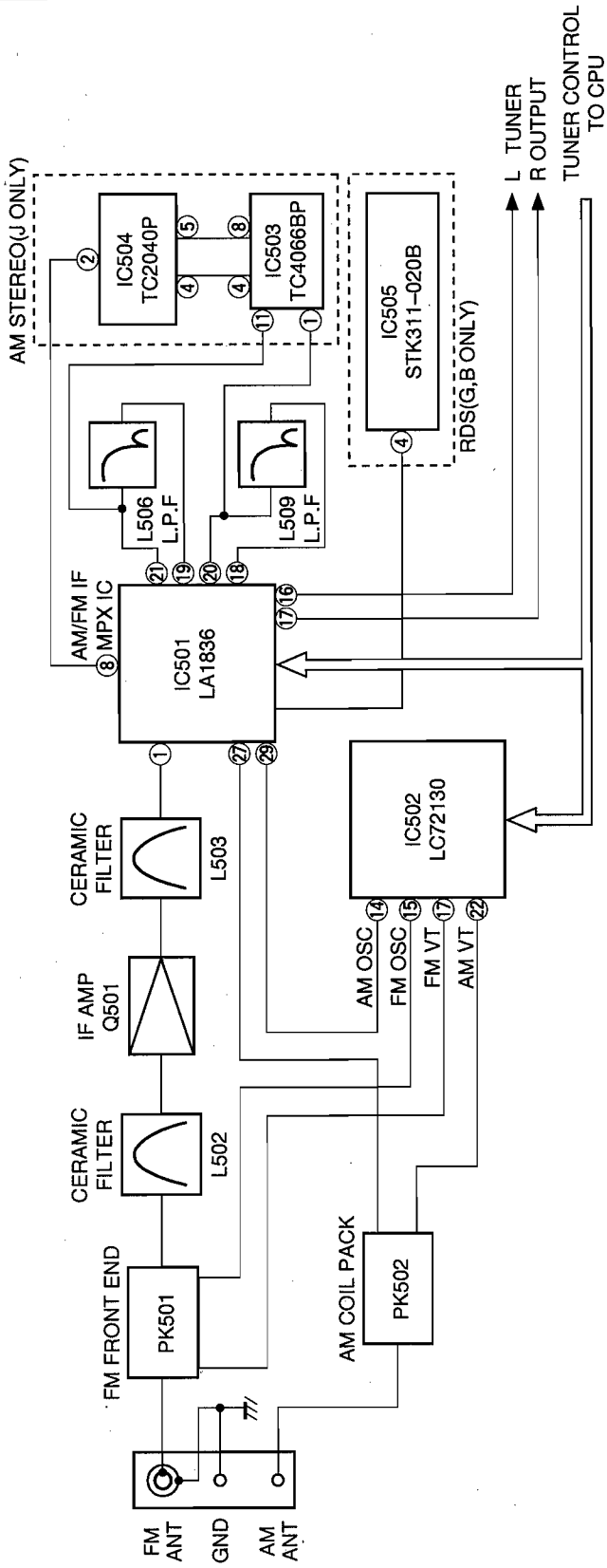


IC10 : NJM4558L
Dual OP-Amp



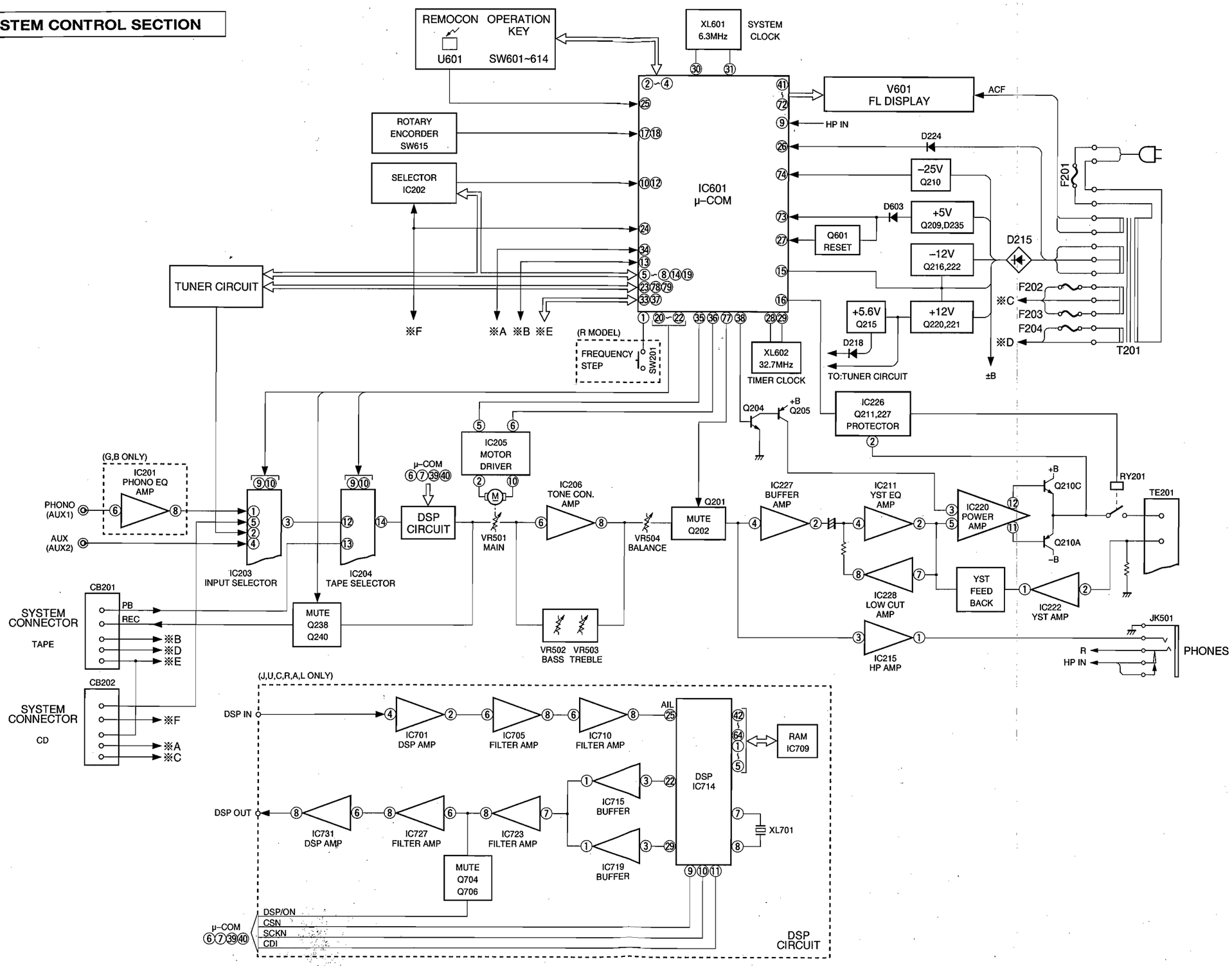
■ RX-S75 BLOCK DIAGRAM

TUNER SECTION

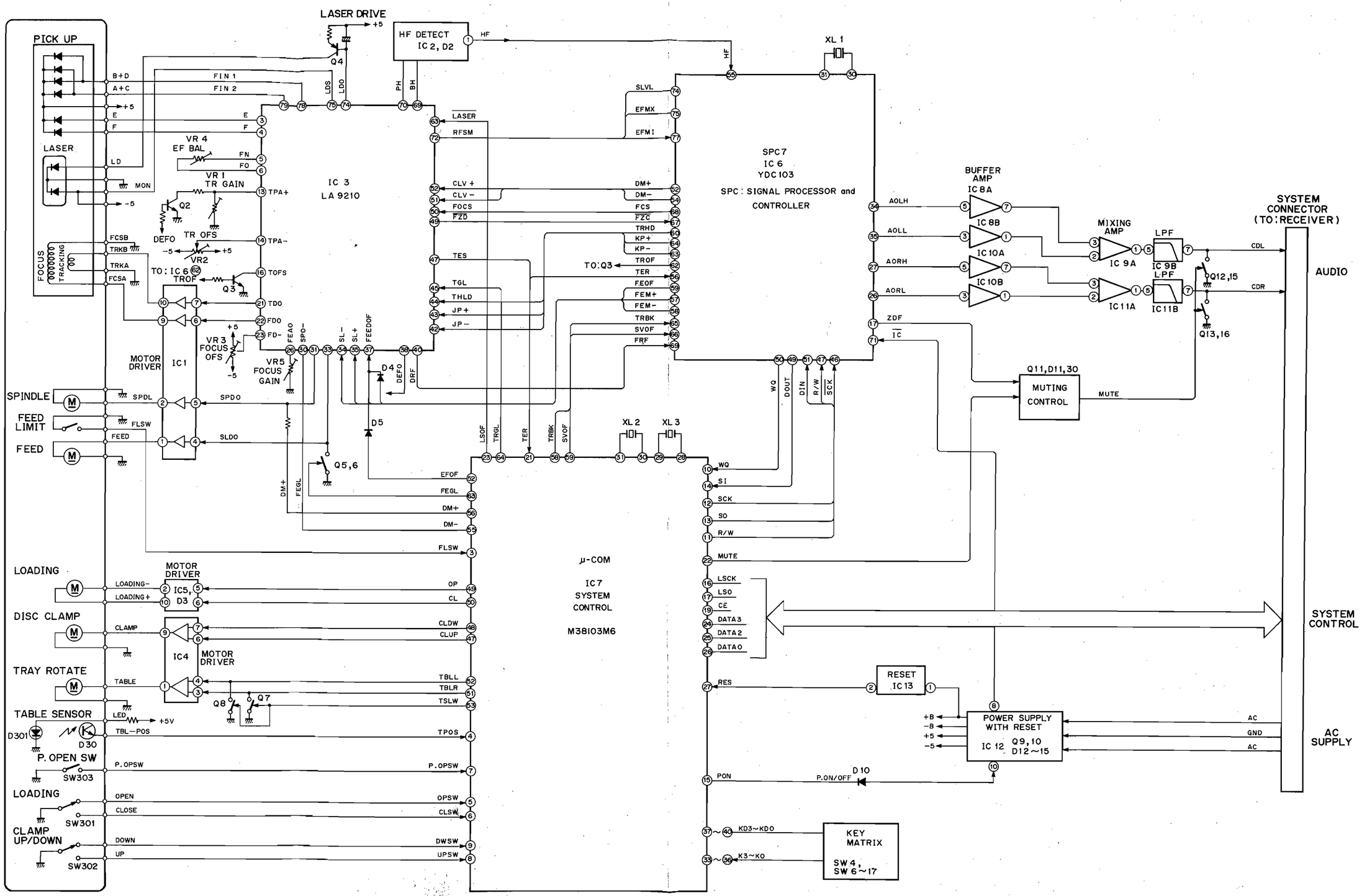


■ RX-S75 BLOCK DIAGRAM

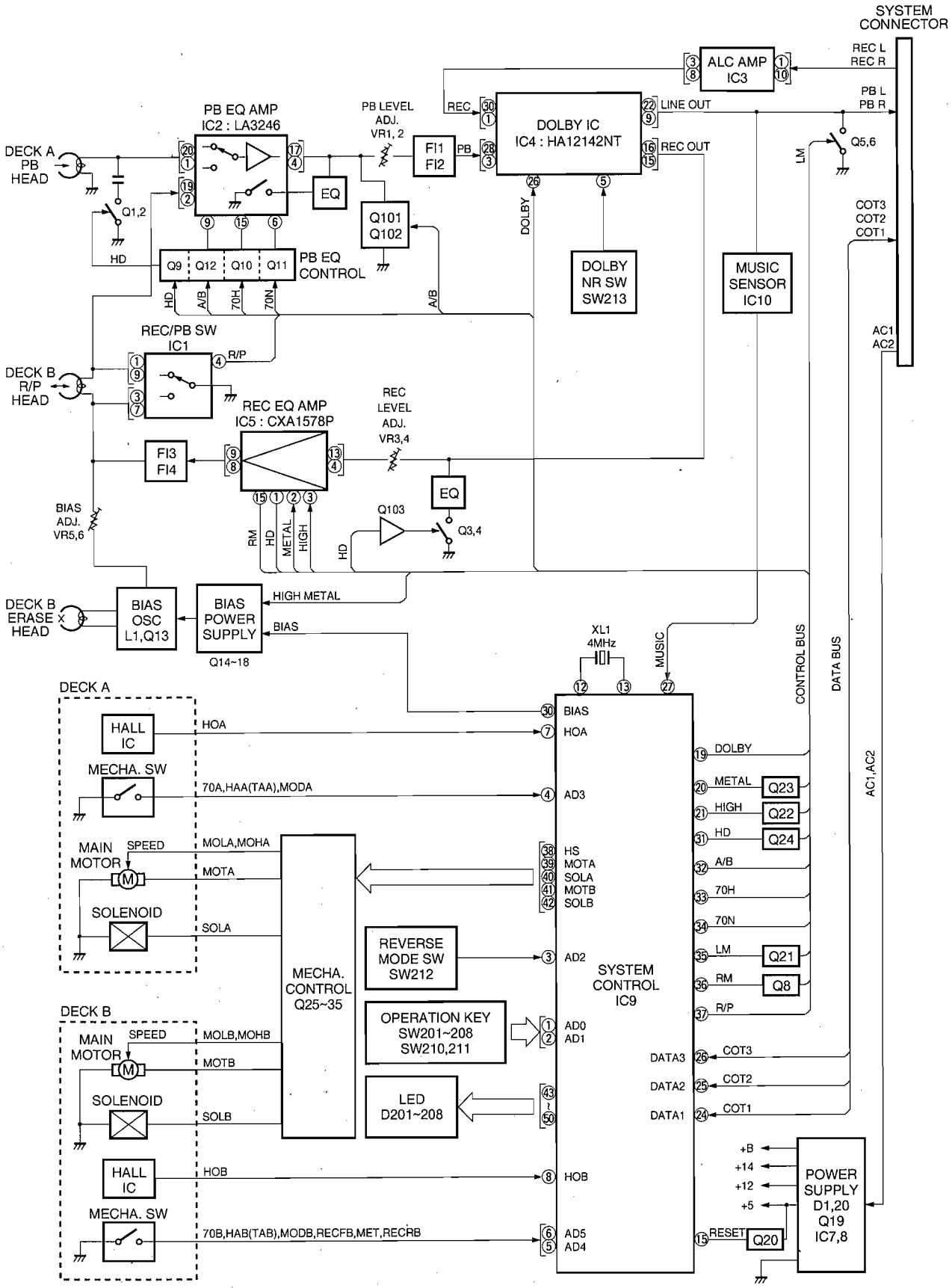
AMP & SYSTEM CONTROL SECTION



■ CDC-S75 BLOCK DIAGRAM



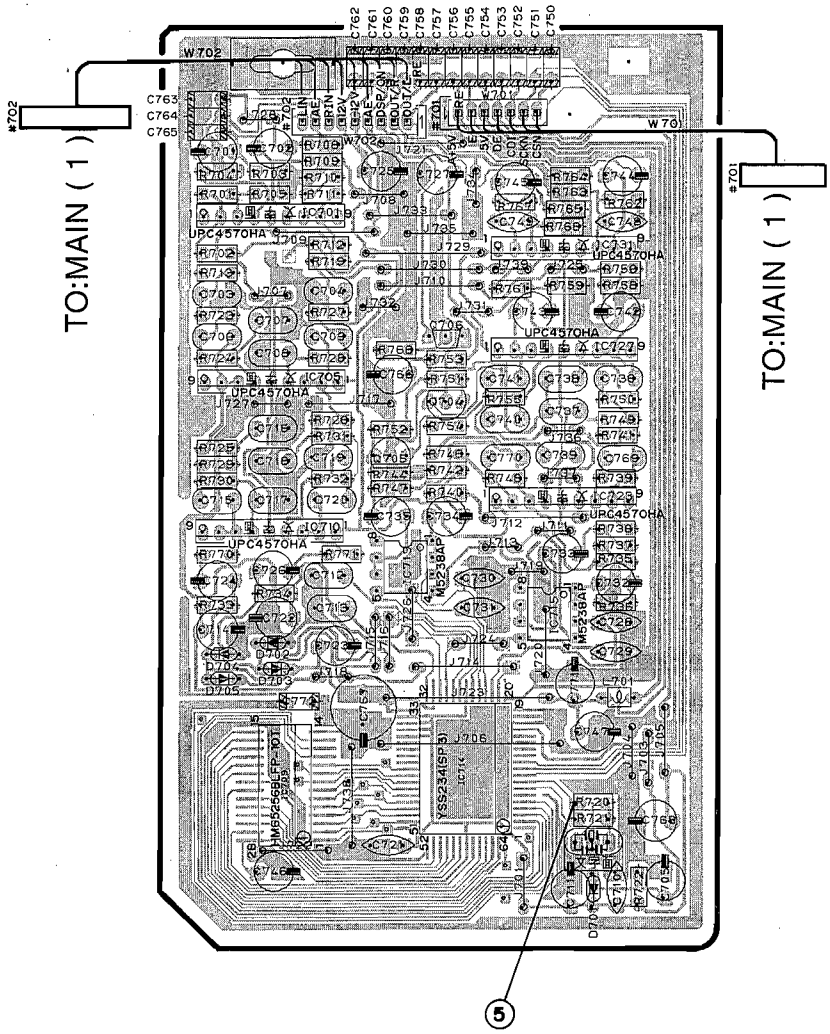
■ KXW-S75 BLOCK DIAGRAM



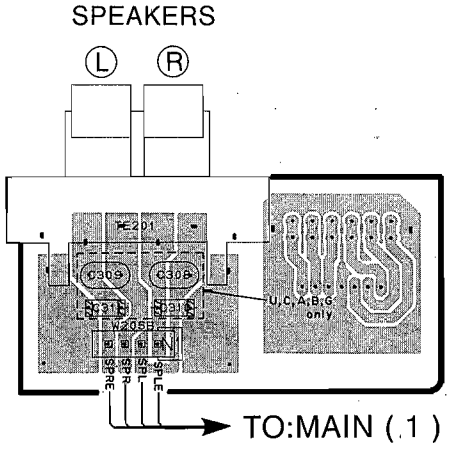
■ RX-S75 PRINTED CIRCUIT BOARD (Foil side)

⑤ : TEST POINT WAVEFORMS (See page 72)

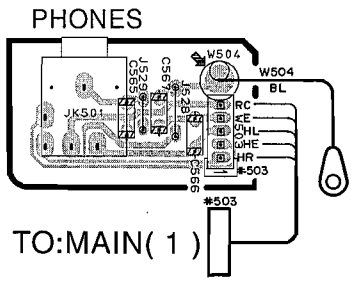
P.C.B. DSP



P.C.B. MAIN (4)



P.C.B. SUB (5)



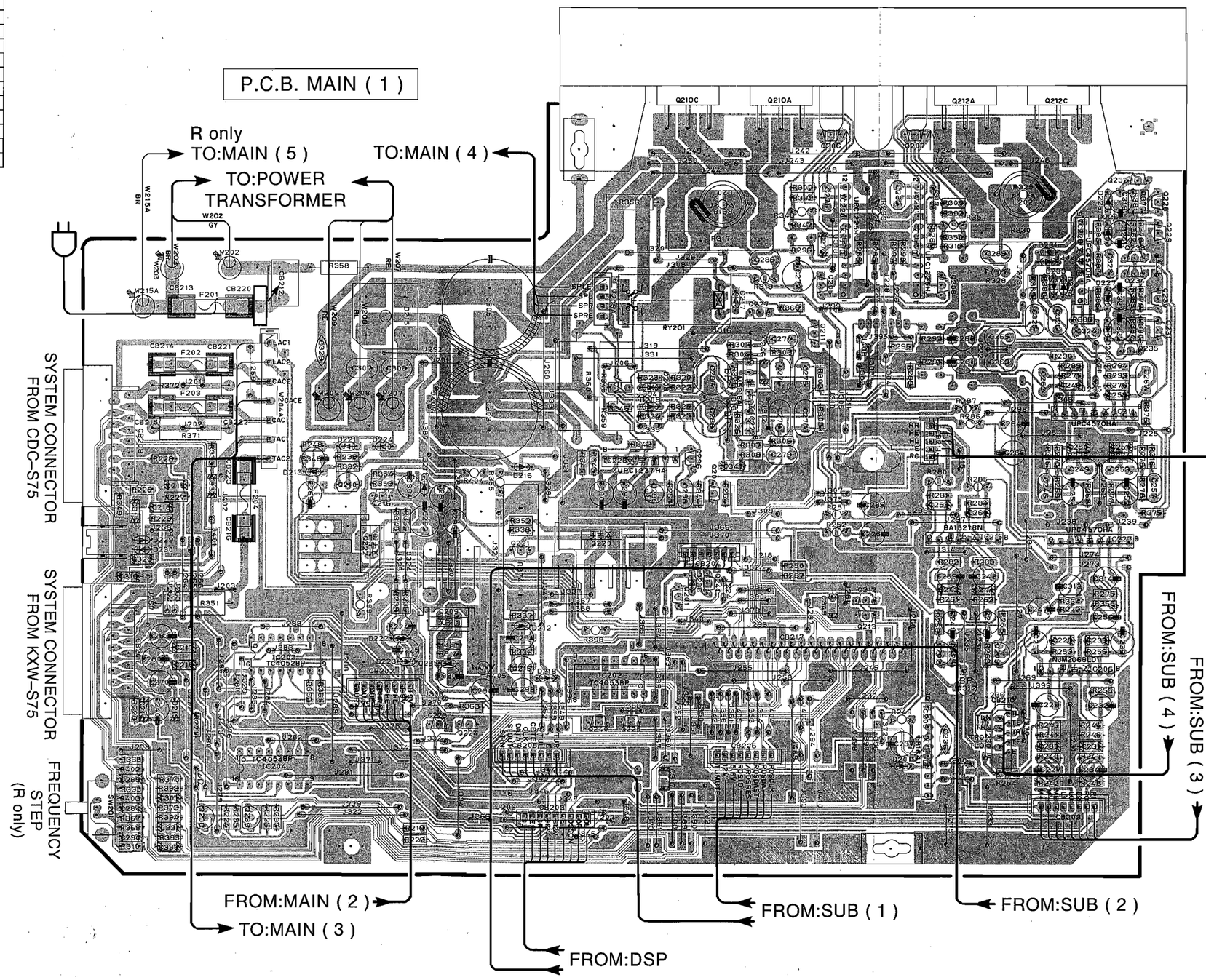
■ RX-S75 PRINTED CIRCUIT BOARD (Foil side)

	J	U, C	R	A	B, G	L
R358	×	○	×	×	×	×
R371, 372	×	○	×	×	×	×
J201, 202	○	×	○	○	○	○
R351	×	○	×	×	×	×
J203	○	×	○	○	○	○
C315, 316	×	×	×	×	○	×
C214~219	×	×	×	○	○	×
J413, 414, 206~208	×	×	×	×	○	×
Q238, 239, 241	○	○	○	○	×	○
CB203, 214	○	○	○	○	×	○
R223, 224, 235, 237	○	○	○	○	×	○
R219, 222	○	○	○	○	×	○
J218,279	○	○	○	○	×	○

NOTE) × : NOT USED
○ : USED

● **Semiconductor Location**

Ref. No.	Location
IC 202	E4
IC 203	C4
IC 204	C5
IC 205	F5
IC 206	G4
IC 211	G3
IC 215	G4
IC 220	F2
IC 221	F2
IC 222	F3
IC 226	E3
IC 227	G4
IC 228	G2
Q 201	E4
Q 202	F4
Q 203	G4
Q 204	E3
Q 205	F2
Q 206	F2
Q 207	F2
Q 208	F2
Q 209	D4
Q 210	D3
Q210A	E2
Q210C	F2
Q 211	F3
Q 212	F4
Q212A	G2
Q212C	G2
Q 213	F4
Q 215	E4
Q 216	D3
Q 220	E4
Q 221	E4
Q 222	D4
Q 223	D4
Q 224	D4
Q 225	E4
Q 227	E3
Q 228	G2
Q 229	G2
Q 230	G3
Q 231	G3
Q 232	G2
Q 233	G2
Q 234	G2
Q 235	G3
Q 236	E3
Q 238	C5
Q 239	C5
Q 240	E4
Q 241	E4

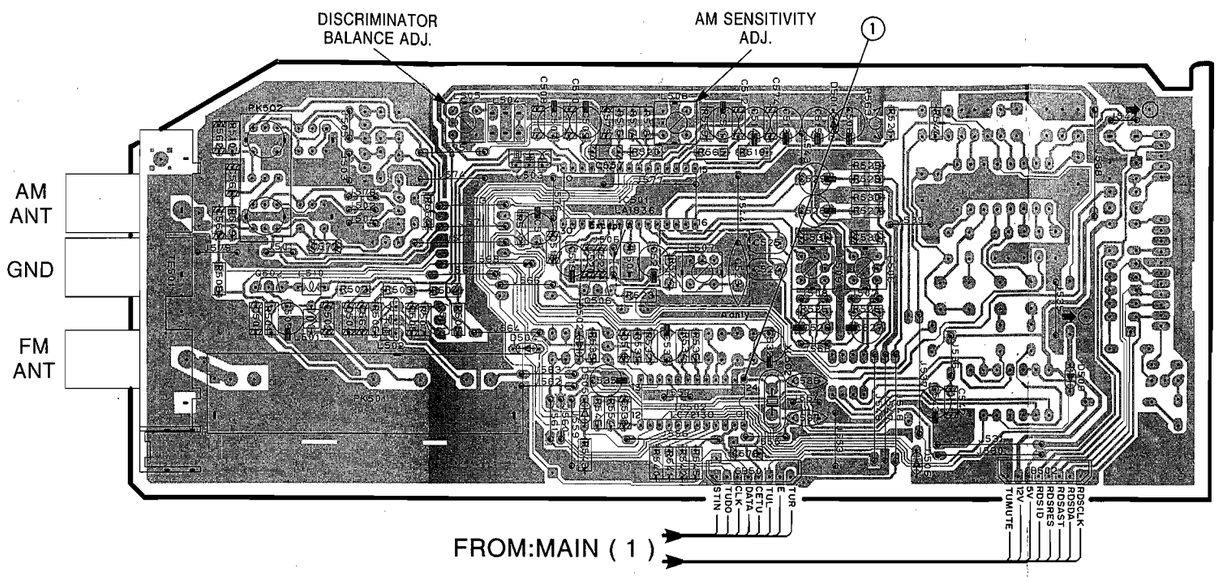


■ RX-S75 PRINTED CIRCUIT BOARD (Foil side)

① : TEST POINT WAVEFORMS (See page 72)

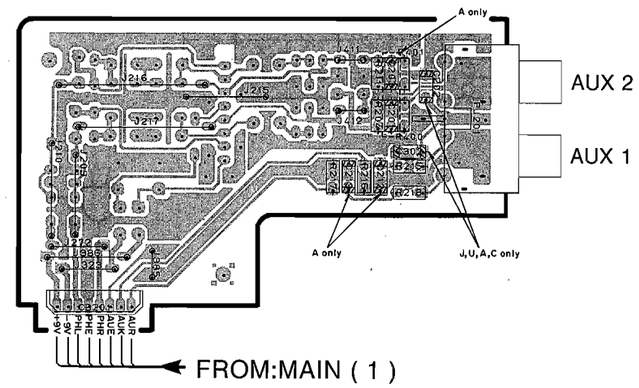
● U,C,R,A,L models

P.C.B. SUB (1)



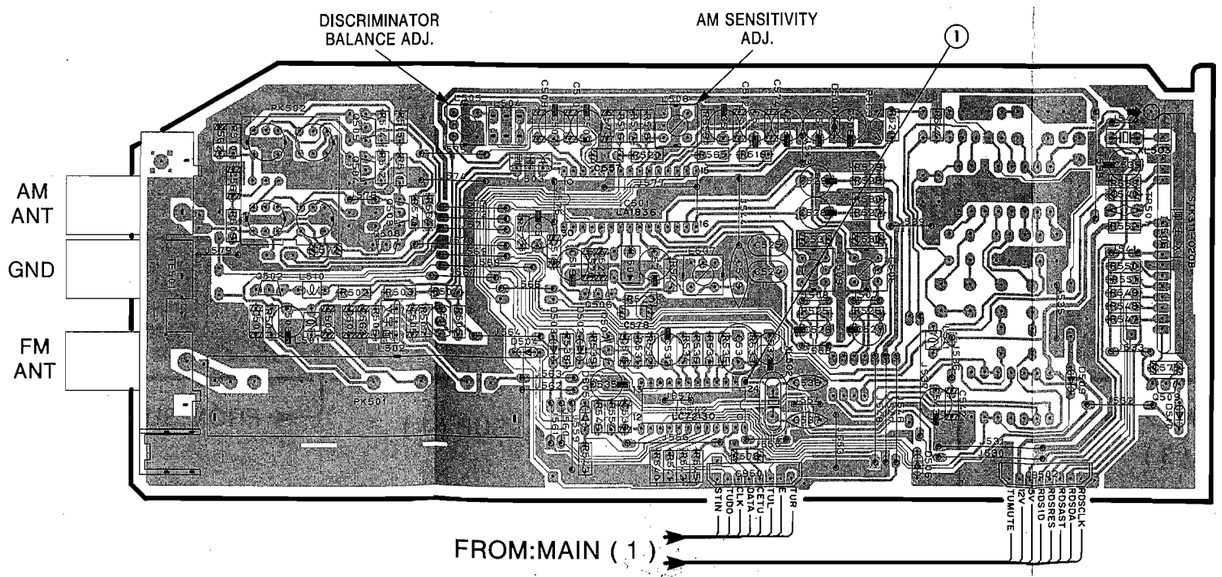
● J,U,C,R,A,L models

P.C.B. MAIN (2)



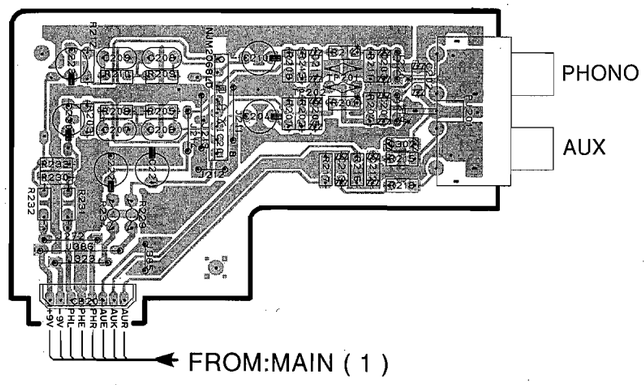
● G,B models

P.C.B. SUB (1)



● G,B models

P.C.B. MAIN (2)

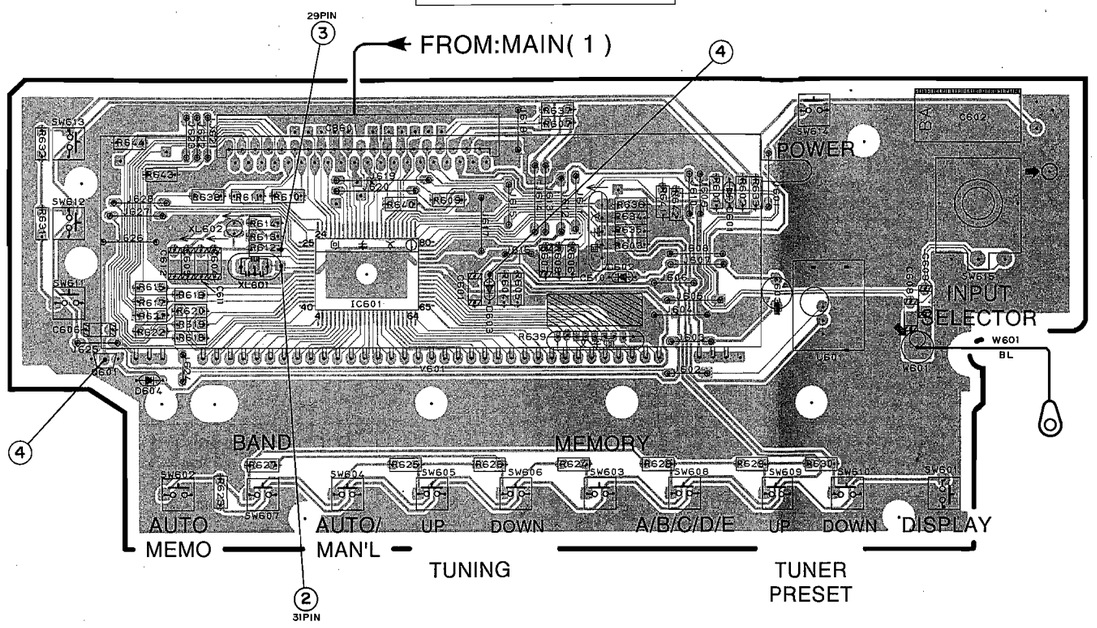


■ RX-S75 PRINTED CIRCUIT BOARD (Foil side)

② to ④ : **TEST POINT WAVEFORMS** (See page 72)

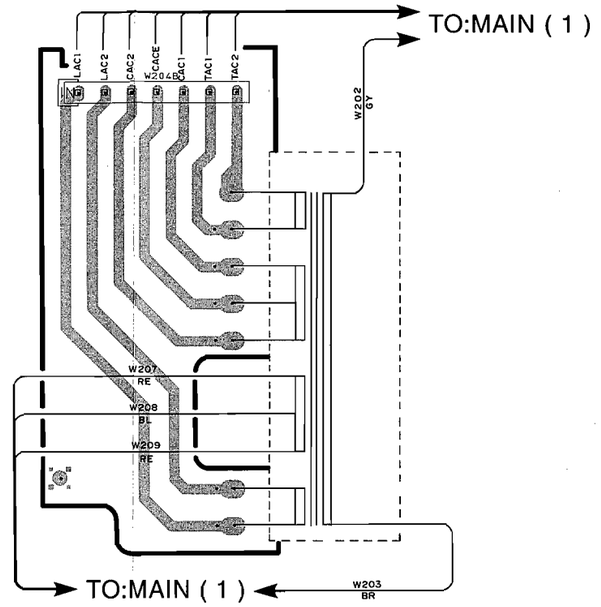
P.C.B. SUB (2)

	B,G, models	J,U,C,R,A,L models
SW613	RDS MODE FREQ/PS/PTY/RT/CT	DSS ON/OFF
SW612	PTY SEEK MODE	MODE
SW611	START	SP/PHONES

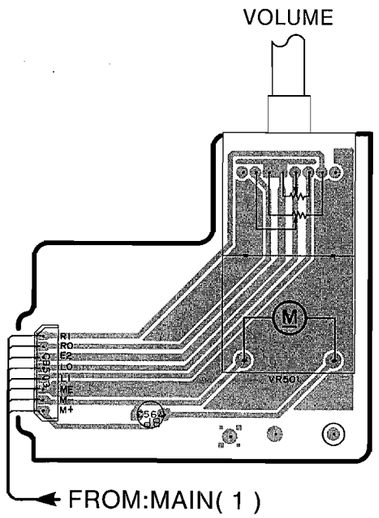


● Except R model

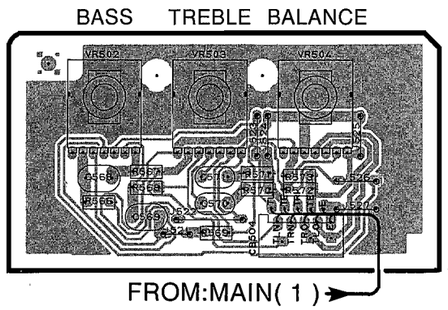
P.C.B. MAIN (3)



P.C.B. SUB (3)



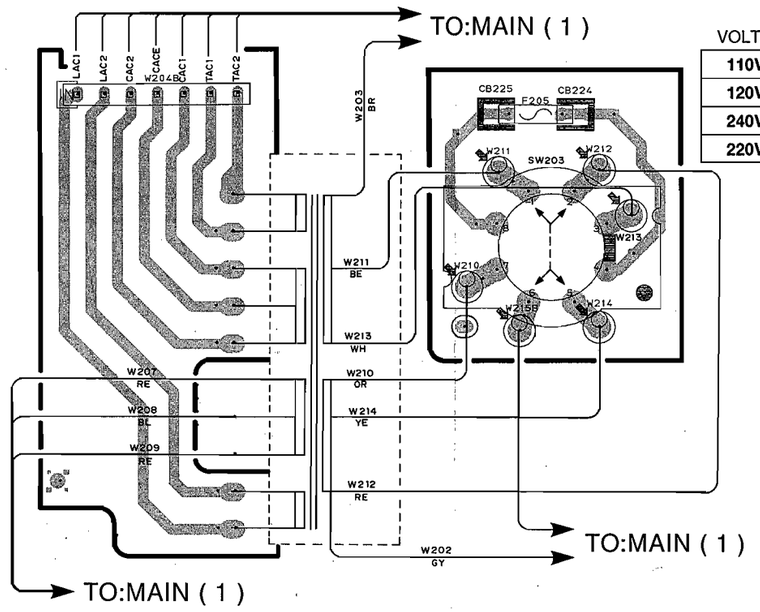
P.C.B. SUB (4)



● R model

P.C.B. MAIN (3)

P.C.B. MAIN (5)



VOLTAGE SELECTOR

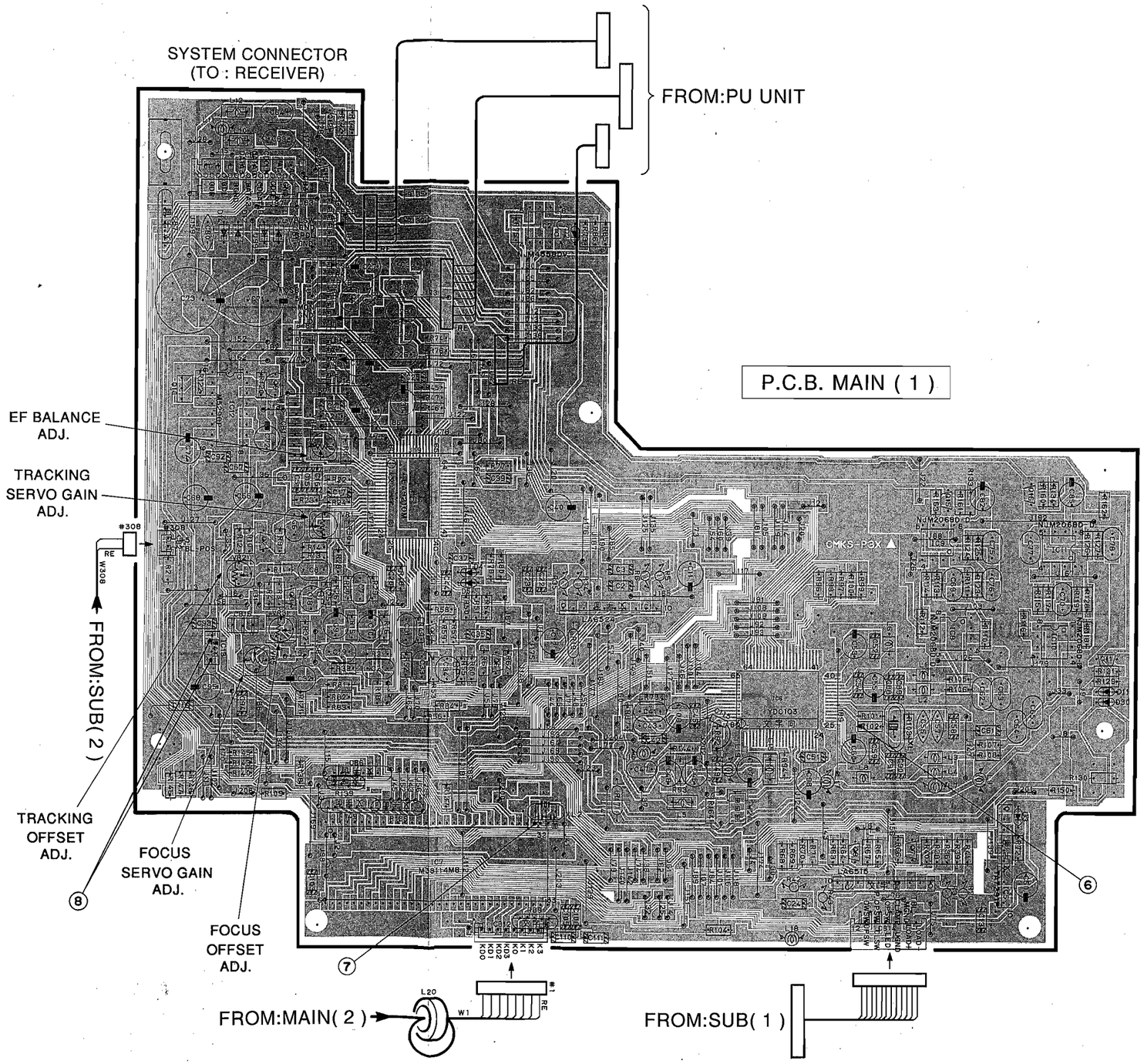
110V	1-2/5-6
120V	2-3/6-7
240V	3-4/7-8
220V	4-5/8-1

■ CDC-S75 PRINTED CIRCUIT BOARD (Foil side)

⑥ to ⑧ : **TEST POINT WAVEFORMS** (See page 72 and 73)

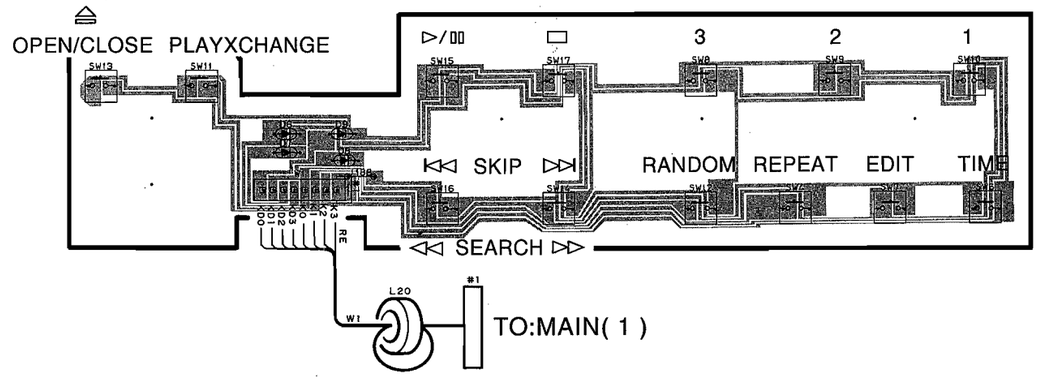
● **Semiconductor Location**

Ref. No.	Location
IC 1	E4
IC 2	E2
IC 3	E3
IC 4	F5
IC 5	G5
IC 6	F4
IC 7	E5
IC 8	G4
IC 9	G3
IC 10	G4
IC 11	G3
IC 12	D3
IC 13	D4
Q 2	D3
Q 3	D4
Q 4	D2
Q 5	E4
Q 6	E4
Q 7	G5
Q 8	F5
Q 9	D3
Q 10	C3
Q 11	G4
Q 12	D2
Q 13	D2
Q 15	G3
Q 16	G3

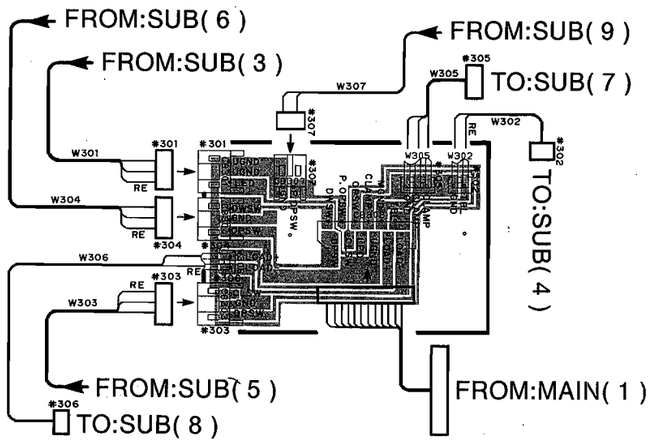


■ CDC-S75 PRINTED CIRCUIT BOARD (Foil side)

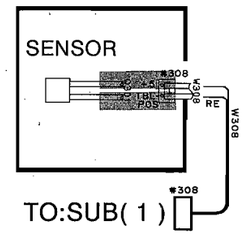
P.C.B. MAIN (2)



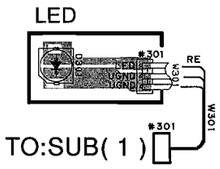
P.C.B. SUB (1)



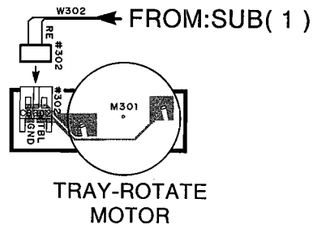
P.C.B. SUB (2)



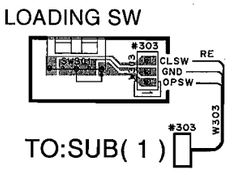
P.C.B. SUB (3)



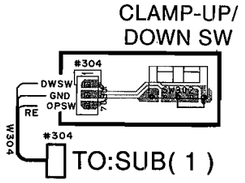
P.C.B. SUB (4)



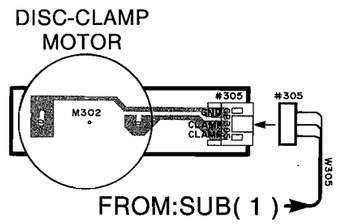
P.C.B. SUB (5)



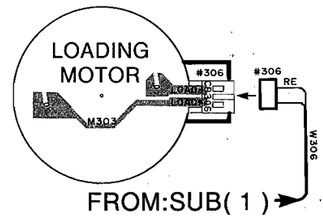
P.C.B. SUB (6)



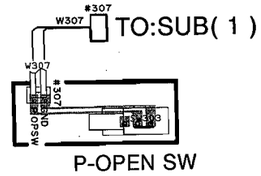
P.C.B. SUB (7)



P.C.B. SUB (8)



P.C.B. SUB (9)

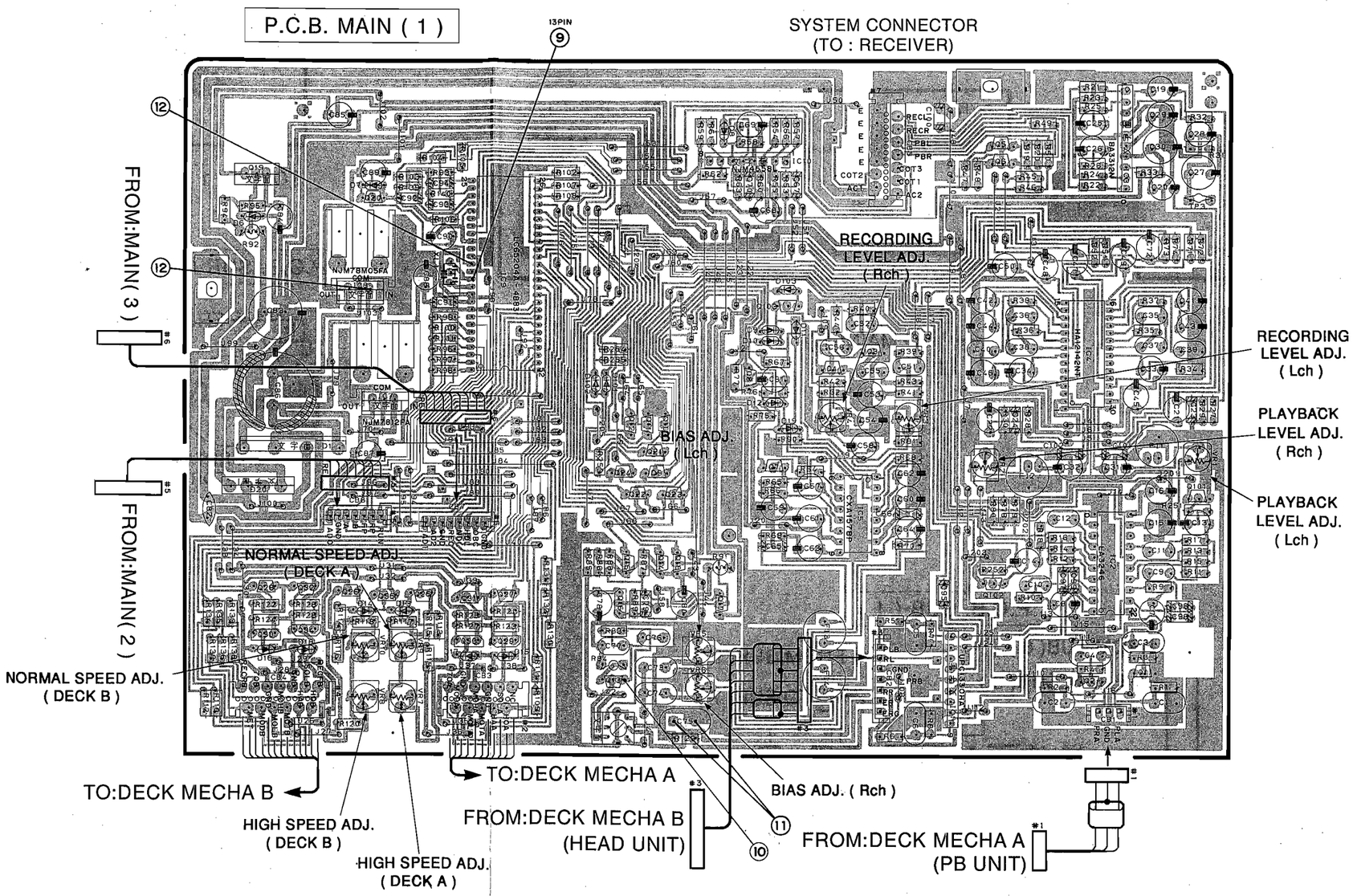


■ KXW-S75 PRINTED CIRCUIT BOARD (Foil side)

⑨ to ⑫ : TEST POINT WAVEFORMS (See page 73)

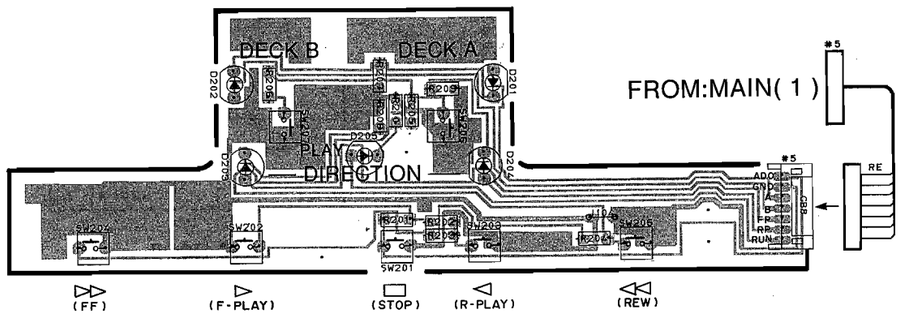
● Semiconductor Location

Ref. No.	Location
IC 1	F4
IC 2	G4
IC 3	G2
IC 4	G3
IC 5	F3
IC 7	D3
IC 8	D2
IC 9	D2
IC 10	E2
Q 1	G4
Q 2	G4
Q 3	F3
Q 4	F3
Q 5	G2
Q 6	G2
Q 7	F3
Q 8	E3
Q 9	E3
Q 10	E3
Q 11	E3
Q 12	E3
Q 13	E4
Q 14	E4
Q 15	E4
Q 16	E4
Q 17	E4
Q 18	E4
Q 19	C2
Q 20	D2
Q 21	E3
Q 22	E3
Q 23	E3
Q 24	E3
Q 25	D4
Q 26	D4
Q 27	E4
Q 28	D4
Q 29	E4
Q 30	D4
Q 31	D4
Q 32	D4
Q 33	D4
Q 34	D4
Q 35	D4
Q 101	G2
Q 102	F4
Q 103	F2

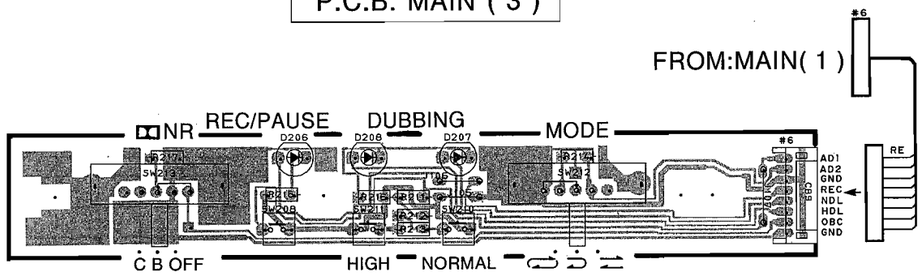


■ KXW-S75 PRINTED CIRCUIT BOARD (Foil side)

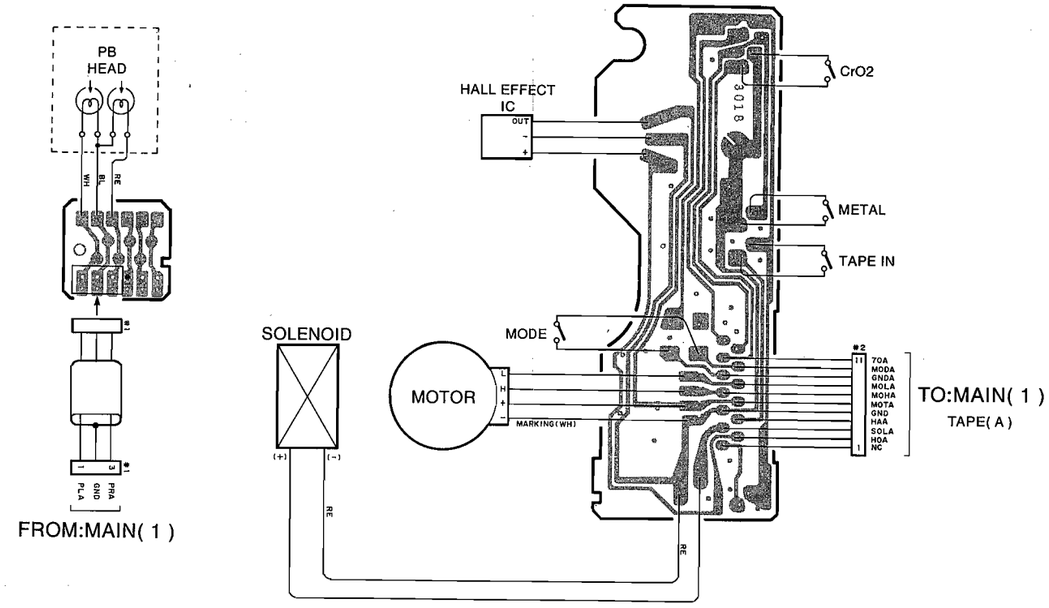
P.C.B. MAIN (2)



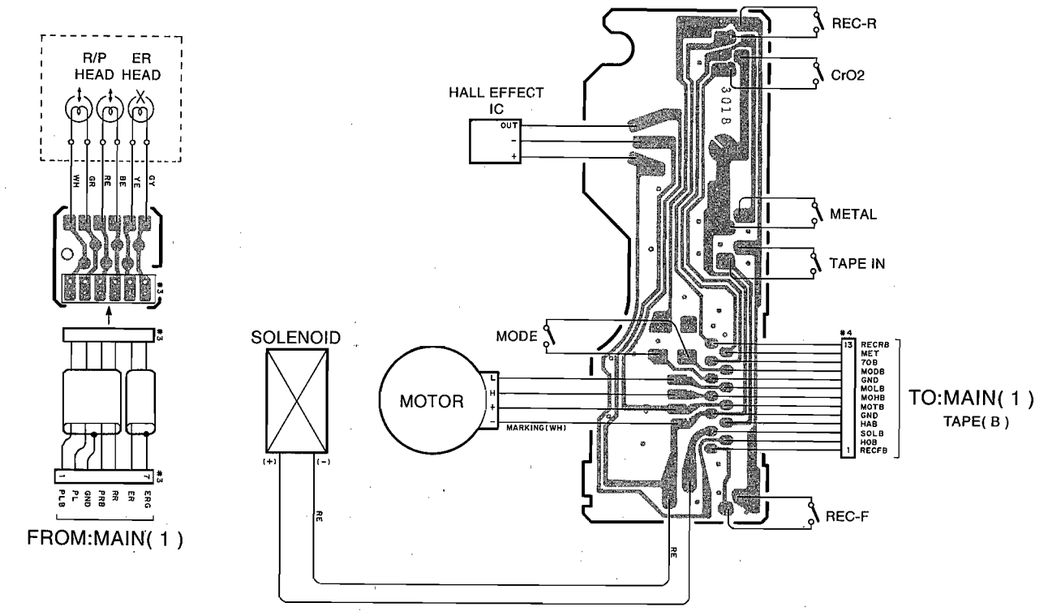
P.C.B. MAIN (3)



DECK A
P.C.B. MECHANISM

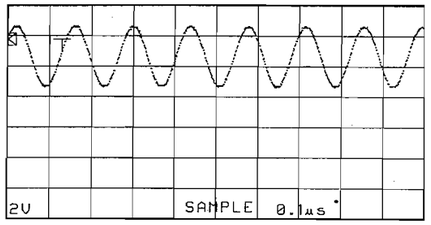


DECK B
P.C.B. MECHANISM

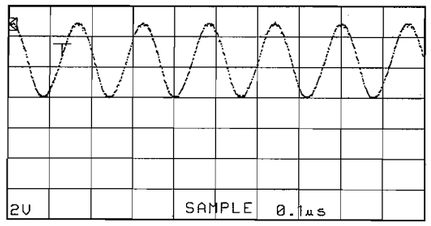


■ TEST POINT WAVEFORMS

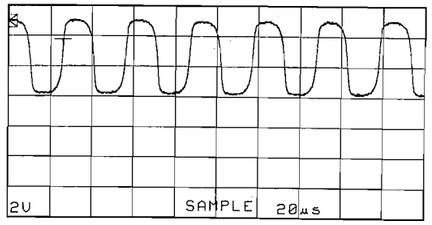
Point ①
(Pin24 of IC502)
V : 2V/div H : 0.1 µsec/div
DC range 1 : 1 probe



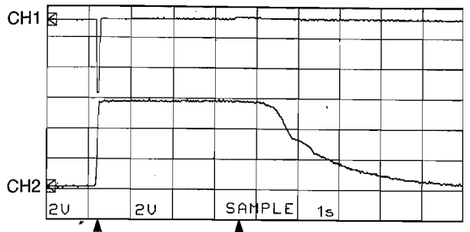
Point ②
(Pin31 of IC601)
V : 2V/div H : 0.1 µsec/div
DC range 1 : 1 probe



Point ③
(Pin29 of IC601)
V : 2V/div H : 20 µsec/div
DC range 1 : 1 probe



Point ④
[CH1 : Pin27 of IC601
CH2 : Anode of D603]
V : 2V/div (CH1) V : 2V/div (CH2)
H : 1 sec/div
DC range 1 : 1 probe

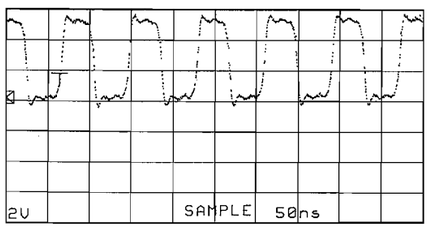


With the power ON, disconnect the A/C power cord. Reconnect the A/C power cord and the above waveforms will start.

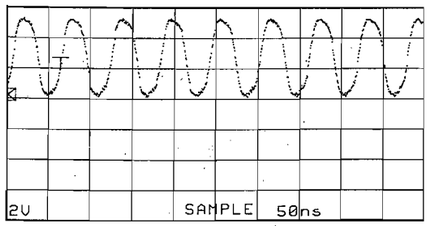
Disconnect the power cord from the AC outlet.

* This waveform is not available by pushing the power switch ON and OFF.

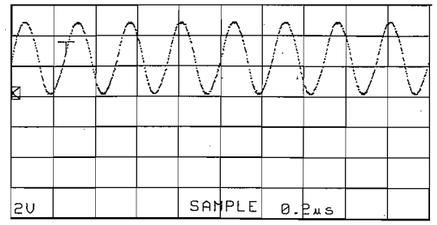
Point ⑤
(Pin7 of IC714)
V : 2V/div H : 50 nsec/div
DC range 1 : 1 probe



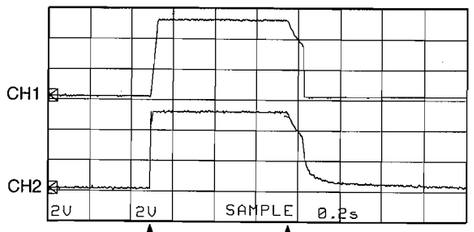
Point ⑥
(Pin30 of IC6)
V : 2V/div H : 50 nsec/div
DC range 1 : 1 probe



Point ⑦
(Pin31 of IC7)
V : 2V/div H : 0.2 µsec/div
DC range 1 : 1 probe



Point ⑧
[CH1 : Pin2 of IC13
CH2 : Pin4 of IC13]
V : 2V/div (CH1) V : 2V/div (CH2)
H : 0.2 sec/div
DC range 1 : 1 probe

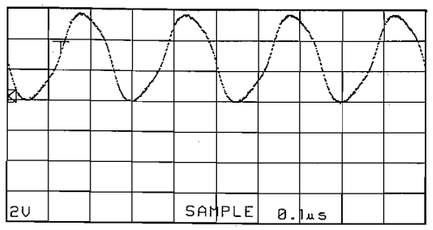


With the power ON, disconnect the A/C power cord. Reconnect the A/C power cord and the above waveforms will start.

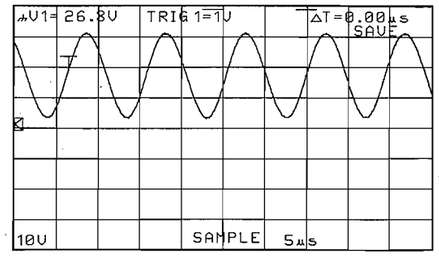
Disconnect the power cord from the AC outlet.

* This waveform is not available by pushing the power switch ON and OFF.

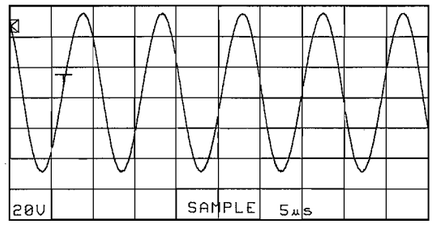
Point ⑨
(Pin13 of IC9)
V : 2V/div H : 0.1 µsec/div
DC range 1 : 1 probe



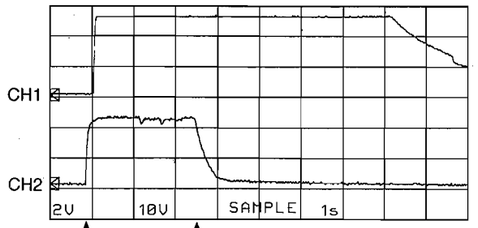
Point ⑩ REC MODE
(Collector of Q13)
V : 10V/div H : 5 µsec/div
DC range 1 : 1 probe



Point ⑪ REC MODE
(Both ends of C75)
V : 20V/div H : 5 µsec/div
AC range 1 : 1 probe



Point ⑫
[CH1 : Pin15 of IC9
CH2 : In of IC8]
V : 2V/div (CH1) V : 10V/div (CH2)
H : 1 sec/div
DC range 1 : 1 probe



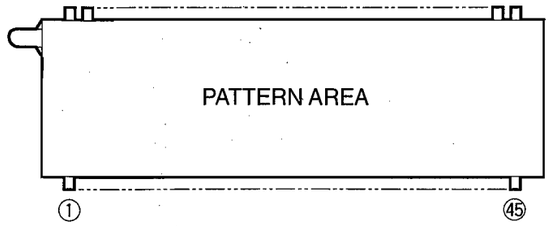
With the power ON, disconnect the A/C power cord. Reconnect the A/C power cord and the above waveforms will start.

Disconnect the power cord from the AC outlet.

* This waveform is not available by pushing the power switch ON and OFF.

■ DISPLAY DATA

● U, C, A, R, L models
V601 : 16-MT-49GK (VS961600)



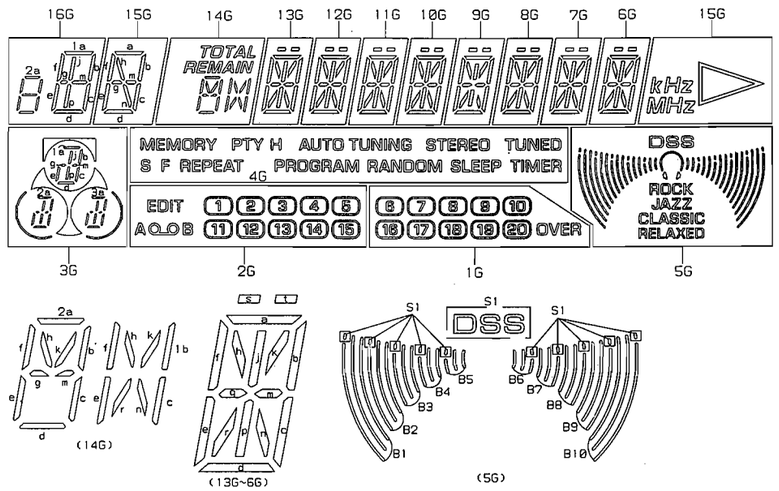
● PIN CONNECTION

Pin No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Connection	F1	F1	F1	NP	NP	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	NC	NC

Pin No.	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
Connection	NC	16G	15G	14G	13G	12G	11G	10G	9G	8G	7G	6G	5G	4G	3G	2G	1G	NP	NP	F2	F2	F2

Note 1) F1, F2 ..... Filament 3) NC ..... No Connection 5) 1G~16G ..... Grid
2) NP ..... No Pin 4) P1~P16 ..... Datum Line

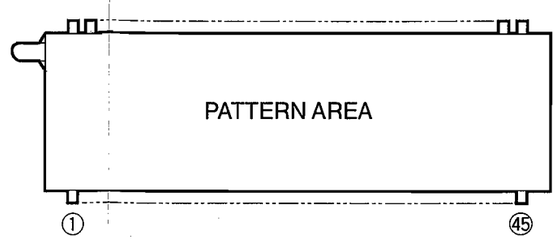
● GRID ASSIGNMENT



● ANODE CONNECTION

	16G	15G	14G	13G~6G	5G	4G	3G	2G	1G
P1	2a	a	2agm	a	B1	MEMORY	3abd gm	1	6
P2	2b	b	2b	b	B2	PTY H	3c	2	7
P3	2c	c	2c	c	B3	AUTO TUNING	3e	3	8
P4	2d	d	2d	d	B4	STEREO	3jp	4	9
P5	2e	e	2ef	e	B5	TUNED	2abd gm	5	10
P6	2f	f	2hk	f	B6	S	2c	11	16
P7	2g	g	1bcef	g	B7	F	2e	12	17
P8	1a	h	1hk	h	B8	REPEAT	2jp	13	18
P9	1b	m	1rn	j	B9	PROGRAM	1abd gm	14	19
P10	1c	n	TOTAL	k	B10	RANDOM	1c	15	20
P11	1d	kHz	REMAIN	m	S1	SLEEP	1e	EDIT	OVER
P12	1e	MHz	–	n	Ω	TIMER	1jp	A	–
P13	1f	▷	–	p	ROCK	–	◠	○○	–
P14	1g	–	–	r	JAZZ	–	◡	B	–
P15	1jp	–	–	s	CLASSIC	–	∫	–	–
P16	1m	–	–	t	RELAXED	–	∫	–	–

● B, G models
V601 : 16-MT-51GK (VT442600)



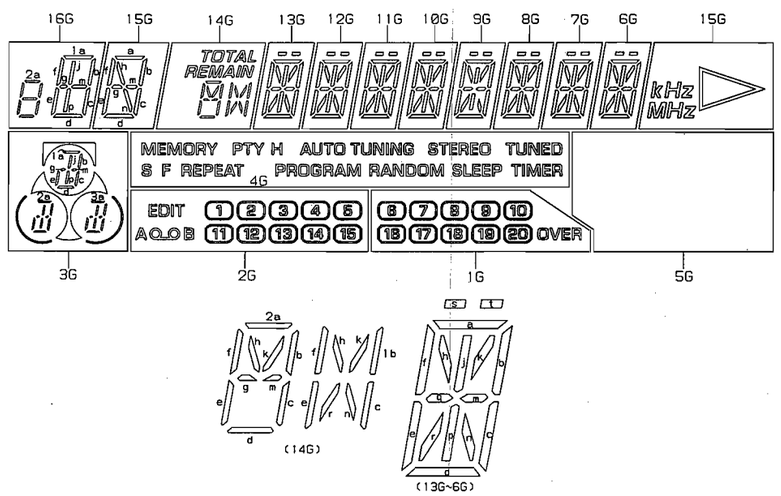
● PIN CONNECTION

Pin No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Connection	F1	F1	F1	NP	NP	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	NC	NC

Pin No.	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
Connection	NC	16G	15G	14G	13G	12G	11G	10G	9G	8G	7G	6G	5G	4G	3G	2G	1G	NP	NP	F2	F2	F2

Note 1) F1, F2 ..... Filament 3) NC ..... No Connection 5) 1G~16G ..... Grid
2) NP ..... No Pin 4) P1~P16 ..... Datum Line

● GRID ASSIGNMENT



● ANODE CONNECTION

	16G	15G	14G	13G~6G	5G	4G	3G	2G	1G
P1	2a	a	2agm	a	–	MEMORY	3abd gm	1	6
P2	2b	b	2b	b	–	PTY H	3c	2	7
P3	2c	c	2c	c	–	AUTO TUNING	3e	3	8
P4	2d	d	2d	d	–	STEREO	3jp	4	9
P5	2e	e	2ef	e	–	TUNED	2abd gm	5	10
P6	2f	f	2hk	f	–	S	2c	11	16
P7	2g	g	1bcef	g	–	F	2e	12	17
P8	1a	h	1hk	h	–	REPEAT	2jp	13	18
P9	1b	m	1rn	j	–	PROGRAM	1abd gm	14	18
P10	1c	n	TOTAL	k	–	RANDOM	1c	15	20
P11	1d	kHz	REMAIN	m	–	SLEEP	1e	EDIT	OVER
P12	1e	MHz	–	n	–	TIMER	1jp	A	–
P13	1f	▷	–	p	–	–	◠	○○	–
P14	1g	–	–	r	–	–	◡	B	–
P15	1jp	–	–	s	–	–	∫	–	–
P16	1m	–	–	t	–	–	∫	–	–

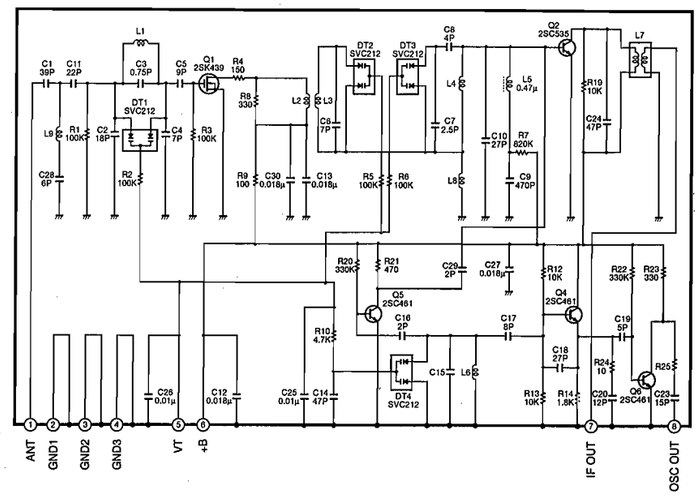
■ RX-S75 SCHEMATIC DIAGRAM

s	MAIN	J	U.C	R	L	A	B.G
1	C202	2200P/16	2200P/16	X	X	0.01/16	0.01/16
2	C302	2200P/16	2200P/16	X	X	2200P/16	2200P/16
3	C201.203.212-219	X	X	X	X	220P	220P
4							
5							
6	R204.211	15K	15K	15K	15K	15K	47K
7							
8	C315.316	X	X	X	X	X	2200/16
9	J206-208.211-214 219.220	X	X	X	X	X	0
10	Q241	DTA143ES	DTA143ES	DTA143ES	DTA143ES	DTA143ES	X
11							
12							
13							
14							
15							
16	J209.210.215-218 411.412	0	0	0	0	0	X
17	CB203.204	0	0	0	0	0	X
18							
19	SW201	X	X	VF54120	X	X	X
20	R310	16K	10K	2K	3.9K	3.9K	6.2K
21							
22	J201.202.203	0	X	0	0	0	0
23	R351.371.372	X	3P2.2	X	X	X	X
24	R358	X	1/2P2.2M	X	X	X	X
25							
26	C310.311	X	0.01/16	X	X	0.01/16	0.01/16
27	C309.308	X	0.01	X	X	0.01	0.01
28	F201	4A125V VSB2290	4A125V VSB2290	T4AL250V KB00079	T1.6AL250V KB00166	T1.6AL250V KB00166	T1.6AL250V KB00166
29	F202.203.204	2A125V VSB2250	2A125V VSB2250	T2AL250V KB00075	T2AL250V KB00075	T2AL250V KB00075	T2AL250V KB00075
30	F205	X	X	T1.6AL250V KB00166	X	X	X
31	SW203	X	X	VA96180	X	X	X
32	CB224.225	X	X	VP20650	X	X	X
33	R219.222	1K	1K	1K	1K	1K	X
34	Q238.239	C2878[A/B]	C2878[A/B]	C2878[A/B]	C2878[A/B]	C2878[A/B]	X
35	R400.401.235.237	10K	10K	10K	10K	10K	X
36	R223.224	100K	100K	100K	100K	100K	X
37	R201.214	X	X	X	X	X	1.8K

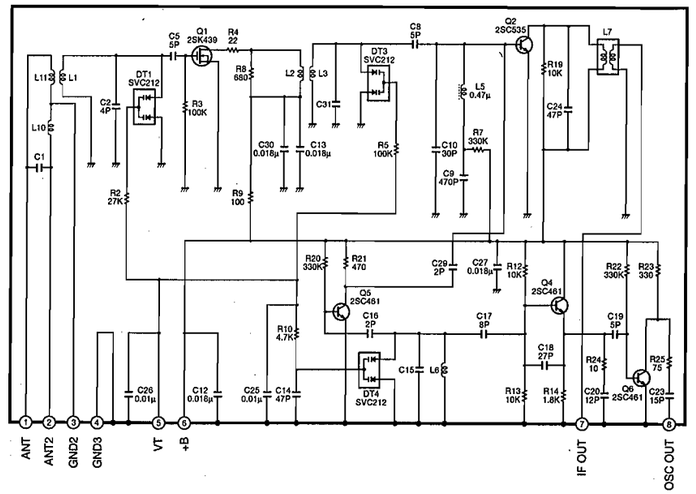
NOTE) × : NOT USED
○ : USED

s	SUB	J	U.C	R	L	A	B.G
51	PK501	VR60440	VR24220	VR24220	VR24220	VQ98760	VQ98760
52	R508	10K	10K	10K	10K	10K	X
53	C560	0.01/16	0.01/16	0.01/16	0.01/16	0.01/16	X
54	PK502	VR90010	VR90010	VR90010	VR90010	VR90010	VR88830
55	J501-505	0	0	0	0	0	X
56	Q503-505.508	X	X	X	X	X	C3330[S/T]
57	R511	X	X	X	X	X	10K
58	R512.514	X	X	X	X	X	22K
59	R515	X	X	X	X	X	100K
60	Q507	X	X	X	X	X	DTC144ES
61	R533	X	X	X	X	X	3.3K
62	R535.537.538.574	X	X	X	X	X	10K
63	C534	X	X	X	X	X	1
64	D503.510	X	X	X	X	X	HSS104 1SS133 1SS176
65	R564	15K	15K	15K	15K	15K	27K
66	C522	1000P	1000P	1000P	1000P	330P	330P
68	Q506	X	X	X	X	C3330[S/T]	C3330[S/T]
69	R523	X	X	X	X	1K	1K
70	R524	X	X	X	X	4.7K	4.7K
71	L507	X	X	X	X	VQ36570	VQ36570
72	C523	X	X	X	X	CH120P	CH120P
73	J506	0	0	0	0	X	X
74	C524.525	0.022	0.033	0.033	0.022	0.022	0.022
75	J507.508	X	0	0	0	0	0
76	C528.529	4.7/50	4.7/50	4.7/50	4.7/50	4.7/50	2.2/50
77	R527.528	820	820	820	820	820	220
78	R529.530	2.2K	2.2K	2.2K	2.2K	2.2K	100K
79	V601	VS96160	VS96160	VS96160	VS96160	VS96160	VT44260
80	R522	2.2K	2K	2K	2K	2.2K	2.2K
81	C578	X	X	X	X	0.01/16	0.01/16

● A, B, G models
PK501 : ENV-1729G1 (VQ987600)



● U, C, R, L models
PK501 : ENV-17298G1 (VR242200)

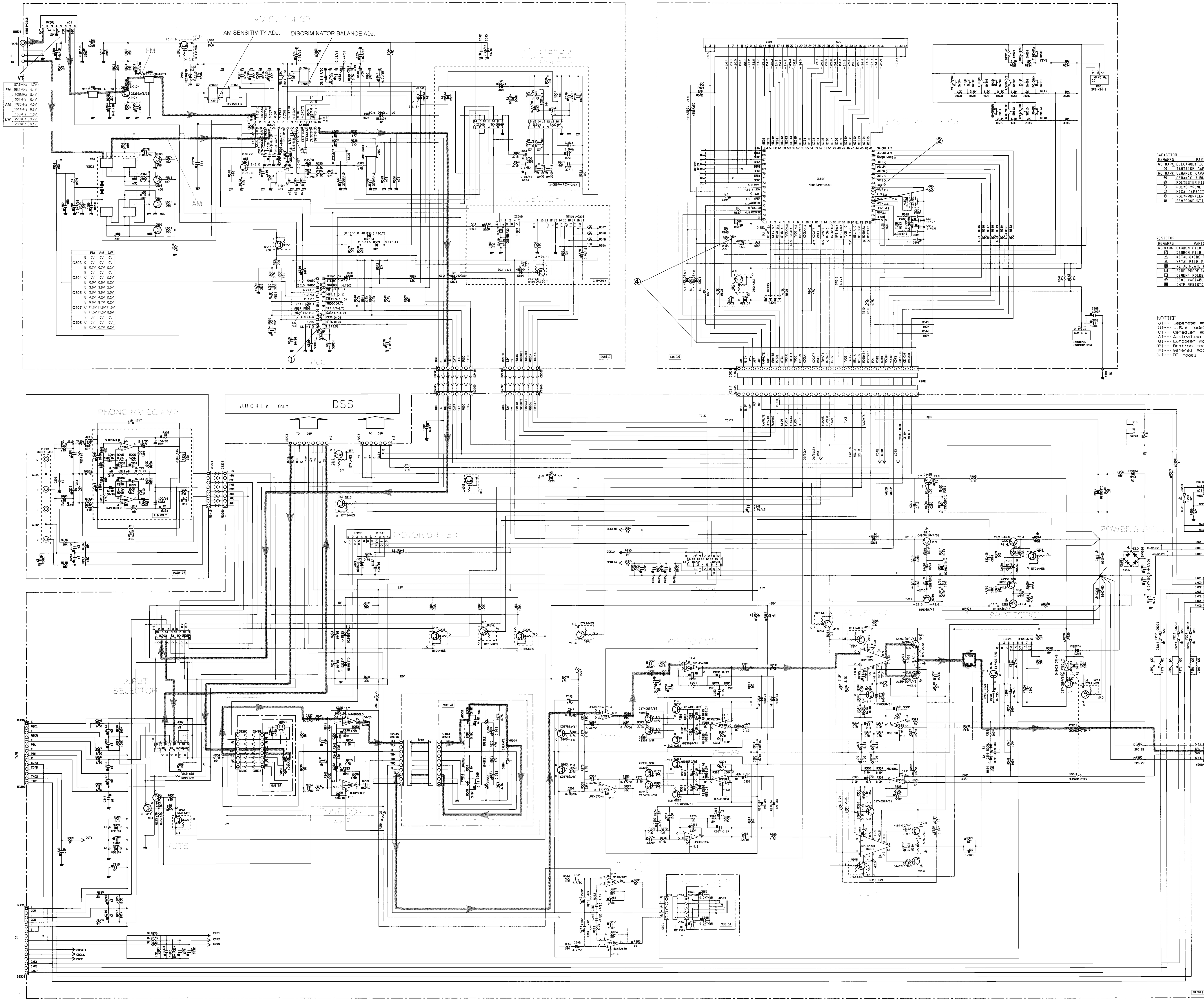


** All voltage are measured with a 10MΩ/V DC electric volt meter.*
** Components having special characteristics are marked ⚠ and must be replaced with parts having specifications equal to those originally installed.*
** Schematic diagram is subject to change without notice.*

■ RX-S75 SCHEMATIC DIAGRAM (MAIN & SUB)

① to ④ : TEST POINT WAVEFORMS (See page 72)

Each voltage represents the voltage when receiving FM (stereo) signal and the voltage in the parentheses ( ) is the voltage when receiving AM signal.



CAPACITOR

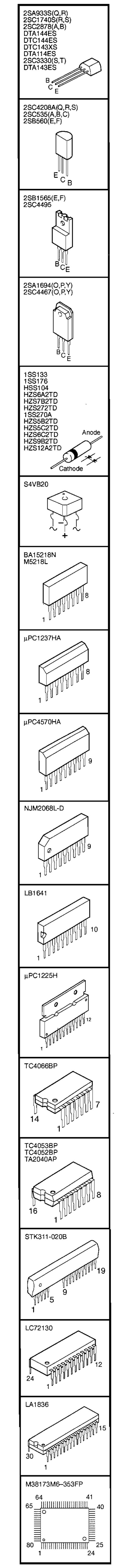
REMARKS	PARTS NAME	
NO MARK	ELECTROLYTIC CAPACITOR	⊣⊢ (polarized)
⊗	TANTALUM CAPACITOR	
NO MARK	CERAMIC CAPACITOR	⊣⊢
◉	CERAMIC TUBULAR CAPACITOR	
◎	POLYESTER FILM CAPACITOR	
○	POLYSTYRENE FILM CAPACITOR	
⦶	MICA CAPACITOR	
Ⓟ	POLYPROPYLENE FILM CAPACITOR	
⊖	SEMICONDUCTIVE CERAMIC CAPACITOR	

RESISTOR

REMARKS	PARTS NAME
NO MARK	CARBON FILM RESISTOR (P=5)
⧄	CARBON FILM RESISTOR (P=10)
△	METAL OXIDE FILM RESISTOR
▲	METAL FILM RESISTOR
⊠	METAL PLATE RESISTOR
◪	FIRE PROOF CARBON FILM RESISTOR
□	CEMENT MOLDED RESISTOR
⊘	SEMI VARIABLE RESISTOR
■	CHIP RESISTOR

NOTICE
(J)····· Japanese model
(U)····· U.S.A model
(C)····· Canadian model
(A)····· Australian model
(G)····· European model
(B)····· British model
(R)····· General model
(P)····· RP model

PIN CONNECTION DIAGRAM OF TRANSISTORS, DIODES AND ICS.



* *All voltage are measured with a 10MΩ/V DC electric volt meter.*
* *Components having special characteristics are marked ⚠ and must be replaced with parts having specifications equal to those originally installed.*
* *Schematic diagram is subject to change without notice.*

■ RX-S75 SCHEMATIC DIAGRAM (DSP)

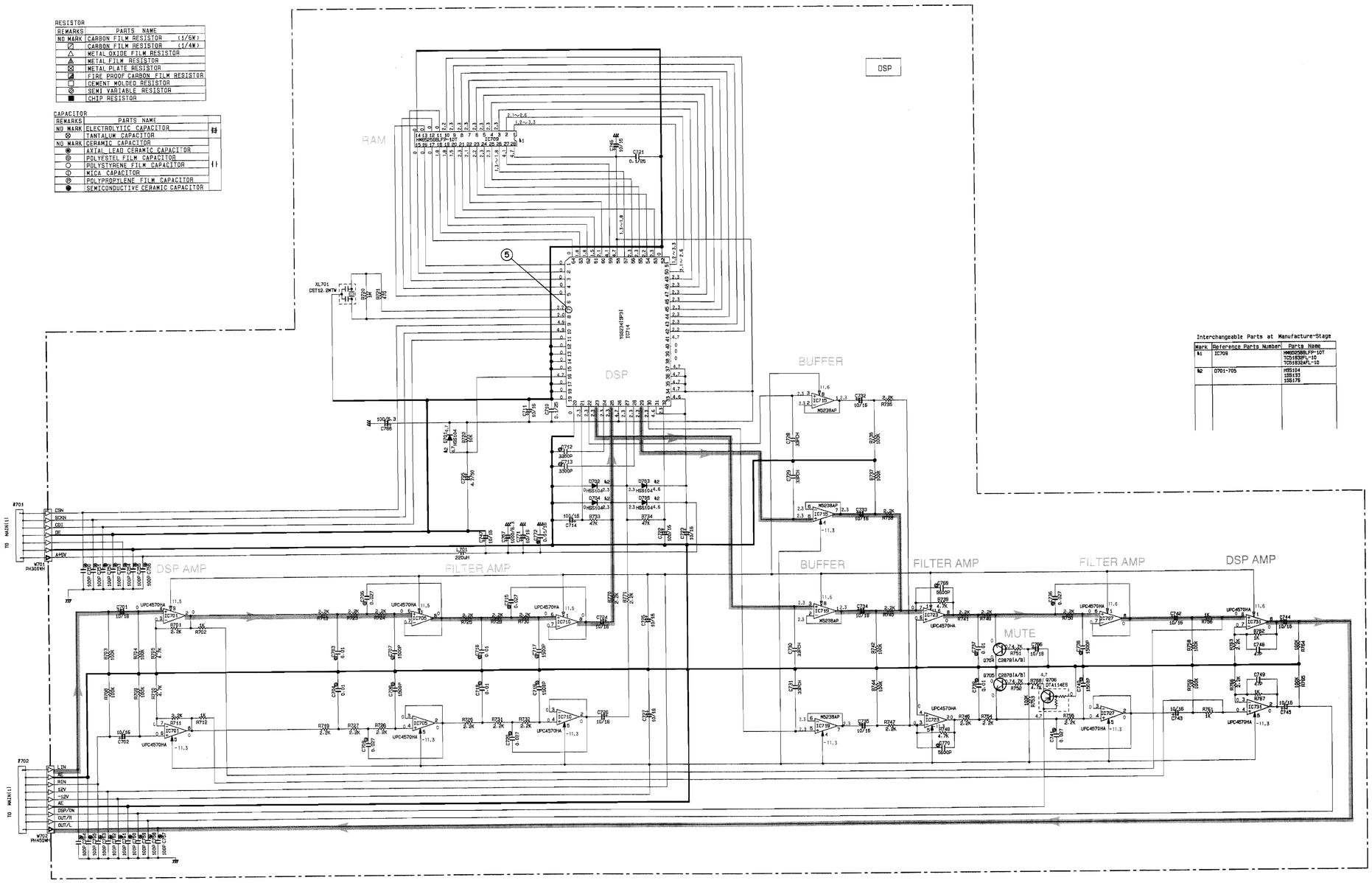
⑤ : TEST POINT WAVEFORMS (See page 72)

RESISTOR

REMARKS	PARTS NAME
NO MARK	CARBON FILM RESISTOR (1/6W)
☑	CARBON FILM RESISTOR (1/4W)
△	METAL OXIDE FILM RESISTOR
▲	METAL FILM RESISTOR
⊠	METAL PLATE RESISTOR
◪	FIRE PROOF CARBON FILM RESISTOR
□	CEMENT MOLDED RESISTOR
⊘	SEMI VARIABLE RESISTOR
■	CHIP RESISTOR

CAPACITOR

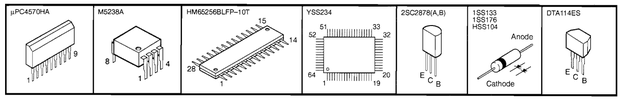
REMARKS	PARTS NAME
NO MARK	ELECTROLYTIC CAPACITOR
⊘	TANTALUM CAPACITOR
NO MARK	CERAMIC CAPACITOR
◉	AXIAL LEAD CERAMIC CAPACITOR
◎	POLYESTEL FILM CAPACITOR
○	POLYSTYRENE FILM CAPACITOR
⊙	MICA CAPACITOR
⊘	POLYPROPYLENE FILM CAPACITOR
●	SEMICONDUCTIVE CERAMIC CAPACITOR



Interchangeable Parts at Manufacture-Stage

Mark	Reference Parts Number	Parts Name
※1	IC709	HM62256BLFP-10T TC51832FL-10 TC51832AFL-10
※2	D701-705	HSS104 1SS133 1SS176

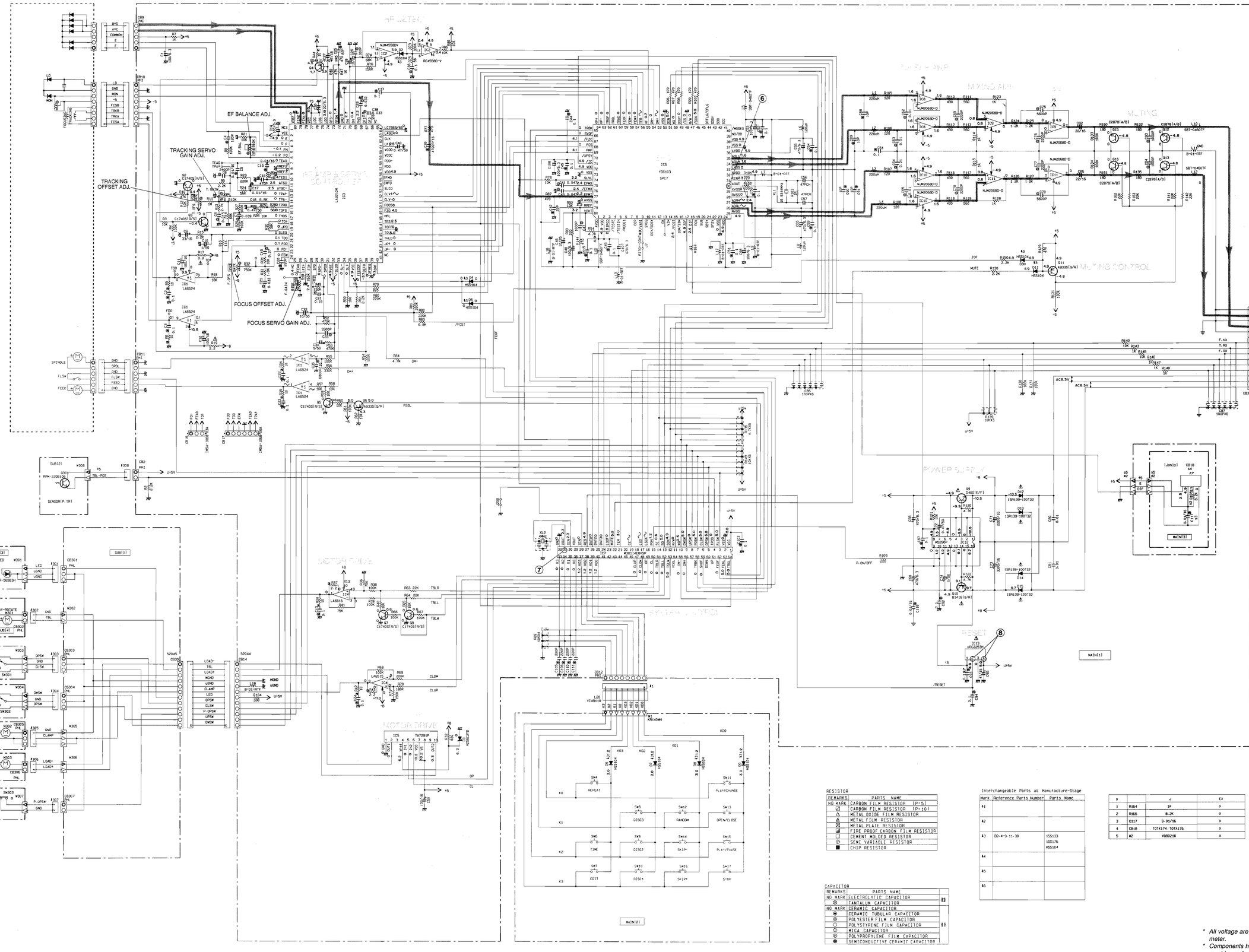
PIN CONNECTION DIAGRAM OF TRANSISTORS, DIODES AND ICS.



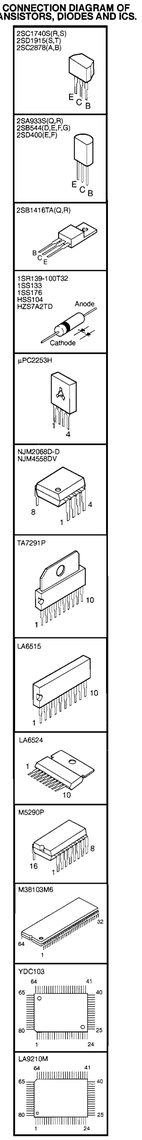
** All voltage are measured with a 10MΩ/V DC electric volt meter.*
** Components having special characteristics are marked ⚠ and must be replaced with parts having specifications equal to those originally installed.*
** Schematic diagram is subject to change without notice.*

■ CDC-S75 SCHEMATIC DIAGRAM

⑥ to ⑧ : TEST POINT WAVEFORMS (See page 72 and 73)



PIN CONNECTION DIAGRAM OF TRANSISTORS, DIODES AND ICS.



RESISTOR

REMARKS	PARTS NAME
NO MARK	CARBON FILM RESISTOR (P=5)
	CARBON FILM RESISTOR (P=10)
	METAL OXIDE FILM RESISTOR
	METAL FILM RESISTOR
	METAL PLATE RESISTOR
	FIRE PROOF CARBON FILM RESISTOR
	CEMENT MOLDED RESISTOR
	SEMI VARIABLE RESISTOR
	CHIP RESISTOR

CAPACITOR

REMARKS	PARTS NAME	
NO MARK	ELECTROLYTIC CAPACITOR	⊞
	TANTALUM CAPACITOR	
NO MARK	CERAMIC CAPACITOR	⊟
	CERAMIC TUBULAR CAPACITOR	
	POLYESTER FILM CAPACITOR	
	POLYSTYRENE FILM CAPACITOR	
	MICA CAPACITOR	
	POLYPROPYLENE FILM CAPACITOR	
	SEMICONDUCTIVE CERAMIC CAPACITOR	

Interchangeable Parts at Manufacture-Stage

Mark	Reference Parts Number	Parts Name
♣1		
♣2		
♣3	DD-4-S-11-30	1SS133 1SS176 HSS104
♣4		
♣5		
♣6		

		J	EX
1	R164	1K	x
2	R165	8.2K	x
3	C117	0.01/16	x
4	CB18	10Tx14-10Tx16	x
5	W2	W98010	x

** All voltage are measured with a 10MΩ/V DC electric volt meter.*

** Components having special characteristics are marked ⚠ and must be replaced with parts having specifications equal to those originally installed.*

** Schematic diagram is subject to change without notice.*

■ KXW-S75 SCHEMATIC DIAGRAM

⑨ to ⑫ : TEST POINT WAVEFORMS (See page 73)

The voltages are measured by LH tape at PLAY mode (no-signal condition)
Only the voltages ( ) are at REC mode.

CAPACITOR

REMARKS	PARTS NAME	
NO MARK	ELECTROLYTIC CAPACITOR	⊣⊢
⊗	TANTALUM CAPACITOR	
NO MARK	CERAMIC CAPACITOR	⊣⊢
◉	CERAMIC TUBULAR CAPACITOR	
◎	POLYESTER FILM CAPACITOR	
○	POLYSTYRENE FILM CAPACITOR	
Ⓘ	MICA CAPACITOR	
Ⓟ	POLYPROPYLENE FILM CAPACITOR	
●	SEMICONDUCTIVE CERAMIC CAPACITOR	

RESISTOR

REMARKS	PARTS NAME	
NO MARK	CARBON FILM RESISTOR (P=5)	
◪	CARBON FILM RESISTOR (P=10)	
△	METAL OXIDE FILM RESISTOR	
▲	METAL FILM RESISTOR	
⊠	METAL PLATE RESISTOR	
◪	FIRE PROOF CARBON FILM RESISTOR	
□	CEMENT MOLDED RESISTOR	
⊘	SEMI VARIABLE RESISTOR	
■	CHIP RESISTOR	

NOTICE
(J)····· Japanese model
(U)····· U.S.A model
(C)····· Canadian model
(A)····· Australian model
(G)····· European model
(B)····· British model
(R)····· General model
(P)····· RP model

Interchangeable Parts at Manufacture-Stage

Mark	Reference Parts Number	Parts Name
♭5	Q16	2SD1858T(Q/R) 2SC4391(R/S)
♭6	Q29·30·33·34	2SB1237(Q/R) 2SA1674(R/S)
♭11		

Mark	Reference Parts Number	Parts Name

Mark	Reference Parts Number	Parts Name
♭31	D7·19·101·103	1SS133 1SS176 HSS104
♭32	D201~205	SLR-325DCT31 SLR-305DCA47
♭33	D206~208	SLR-325VCT31 SLR-305VCA47

PIN CONNECTION DIAGRAM OF TRANSISTORS, DIODES AND ICS.

2SA933S(Q,R)
2SC1740S(R,S)
2SD1915F(S,T)
2SC2878(A,B)
DTC144ES
DTC143XS
DTA114ES
DTC114ES

2SB1237(Q,R)
2SA1674(R,S)
2SD1858(Q,R)
2SC4391(R,S)

2SC4495

1SS133
1SS176
HSS104
HZS12C2TD Anode Cathode

D3SBA20

S1VB20

NJM78M05FA
NJM7812FA
1:INPUT
2:COMMON
3:OUTPUT

NJM4558L

μPC1330HA

BA3312N

CXA1578P

LA3246

HA12142NT

LC66204A-4B83

* All voltage are measured with a 10MΩ/V DC electric volt meter.
* Components having special characteristics are marked ⚠ and must be replaced with parts having specifications equal to those originally installed.
* Schematic diagram is subject to change without notice.

PARTS LIST

■ ELECTRICAL PARTS

■ WARNING
Components having special characteristics are marked ⚠ and must be replaced with parts having specifications equal to those originally installed.

- Carbon resistors (1/6W or 1/4W) are not included in the ELECTRICAL PARTS List. For the parts No. of the carbon resistors, refer to last page.

ABBREVIATIONS IN THIS LIST ARE AS FOLLOWS :

C.A.EL.CHP	:	CHIP ALUMI. ELECTROLYTIC CAP
C.CE	:	CERAMIC CAP
C.CE.ARRAY	:	CERAMIC CAP ARRAY
C.CE.CHP	:	CHIP CERAMIC CAP
C.CE.ML	:	MULTILAYER CERAMIC CAP
C.CE.M.CHP	:	CHIP MULTILAYER CERAMIC CAP
C.CE.SAFTY	:	RECOGNIZED CERAMIC CAP
C.CE.TUBLR	:	CERAMIC TUBULAR CAP
C.CE.SMI	:	SEMI CONDUCTIVE CERAMIC CAP
C.EL	:	ELECTROLYTIC CAP
C.MICA	:	MICA CAP
C.ML.FLM	:	MULTILAYER FILM CAP
C.MP	:	METALLIZED PAPER CAP
C.MYLAR	:	MYLAR FILM CAP
C.MYLAR.ML	:	MULTILAYER MYLAR FILM CAP
C.PAPER	:	PAPER CAPACITOR
C.PLS	:	POLYSTYRENE FILM CAP
C.POL	:	POLYESTER FILM CAP
C.POLY	:	POLYETHYLENE FILM CAP
C.PP	:	POLYPROPYLENE FILM CAP
C.TNTL	:	TANTALUM CAP
C.TNTL.CHP	:	CHIP TANTALUM CAP
C.TRIM	:	TRIMMER CAP
CN	:	CONNECTOR
CN.BS.PIN	:	CONNECTOR, BASE PIN
CN.CANNON	:	CONNECTOR, CANNON
CN.DIN	:	CONNECTOR, DIN
CN.FLAT	:	CONNECTOR, FLAT CABLE
CN.POST	:	CONNECTOR, BASE POST
COIL.MX.AM	:	COIL, AM MIX
COIL.AT.FM	:	COIL, FM ANTENNA
COIL.DT.FM	:	COIL, FM DETECT
COIL.MX.FM	:	COIL, FM MIX
COIL.OUTPT	:	OUTPUT COIL
DIOD.ARRAY	:	DIODE ARRAY
DIODE.BRG	:	DIODE BRIDGE
DIODE.CHP	:	CHIP DIODE
DIODE.VAR	:	VARACTOR DIODE
DIOD.Z.CHP	:	CHIP ZENER DIODE
DIODE.ZENR	:	ZENER DIODE
DSCR.CE	:	CERAMIC DISCRIMINATOR
FER.BEAD	:	FERRITE BEADS
FER.CORE	:	FERRITE CORE
FET.CHP	:	CHIP FET
FL.DSPLY	:	FLUORESCENT DISPLAY
FLTR.CE	:	CERAMIC FILTER
FLTR.COMB	:	COMB FILTER MODULE
FLTR.LC.RF	:	LC FILTER ,EMI
GND.MTL	:	GROUND PLATE
GND.TERM	:	GROUND TERMINAL
HOLDER.FUS	:	FUSE HOLDER
IC.PRTCT	:	IC PROTECTOR
JUMPER.CN	:	JUMPER CONNECTOR
JUMPER.TST	:	JUMPER, TEST POINT
L.DTCT	:	LIGHT DETECTING MODULE
L.EMIT	:	LIGHT EMITTING MODULE
LED.DSPLY	:	LED DISPLAY
LED.INFRD	:	LED, INFRARED
MODUL.RF	:	MODULATOR, RF
PHOT.CPL	:	PHOTO COUPLER
PHOT.INTR	:	PHOTO INTERRUPTER
PHOT.RFLCT	:	PHOTO REFLECTOR
PIN.TEST	:	PIN, TEST POINT
PLST.RIVET	:	PLASTIC RIVET
R.ARRAY	:	RESISTOR ARRAY
R.CAR	:	CARBON RESISTOR
R.CAR.CHP	:	CHIP RESISTOR
R.CAR.FP	:	FLAME PROOF CARBON RESISTOR
R.FUS	:	FUSABLE RESISTOR
R.MTL.CHP	:	CHIP METAL FILM RESISTOR
R.MTL.FLM	:	METAL FILM RESISTOR
R.MTL.OXD	:	METAL OXIDE FILM RESISTOR
R.MTL.PLAT	:	METAL PLATE RESISTOR
RSNR.CE	:	CERAMIC RESONATOR
RSNR.CRYS	:	CRYSTAL RESONATOR
R.TW.CEM	:	TWIN CEMENT FIXED RESISTOR
R.WW	:	WIRE WOUND RESISTOR
SCR.BND.HD	:	BIND HEAD B-TITE SCREW
SCR.BW.HD	:	BW HEAD TAPPING SCREW
SCR.CUP	:	CUP TITE SCREW
SCR.TERM	:	SCREW TERMINAL
SCR.TR	:	SCREW, TRANSISTOR
SUPRT.PCB	:	SUPPORT, P.C.B.
SURG.PRTCT	:	SURGE PROTECTOR
SW.TACT	:	TACT SWITCH
SW.LEAF	:	LEAF SWITCH
SW.LEVER	:	LEVER SWITCH
SW.MICRO	:	MICRO SWITCH
SW.PUSH	:	PUSH SWITCH
SW.RT.ENC	:	ROTARY ENCODER
SW.RT.MTR	:	ROTARY SWITCH WITH MOTOR
SW.RT	:	ROTARY SWITCH
SW.SLIDE	:	SLIDE SWITCH
TERM.SP	:	SPEAKER TERMINAL
TERM.WRAP	:	WRAPPING TERMINAL
THRMST.CHP	:	CHIP THERMISTOR
TR.CHP	:	CHIP TRANSISTOR
TR.DGT	:	DIGITAL TRANSISTOR
TR.DGT.CHP	:	CHIP DIGITAL TRANSISTOR
TRANS	:	TRANSFORMER
TRANS.PULS	:	PULSE TRANSFORMER
TRANS.PWR	:	POWER TRANSFORMER ASS'y
TUNER.AM	:	TUNER PACK, AM
TUNER.FM	:	TUNER PACK, FM
TUNER.PK	:	FRONT-END TUNER PACK
VR	:	ROTARY POTENTIOMETER
VR.MTR	:	POTENTIOMETER WITH MOTOR
VR.SW	:	POTENTIOMETER WITH ROTARY SW
VR.SLIDE	:	SLIDE POTENTIOMETER
VR.TRIM	:	TRIMMER POTENTIOMETER

Note) Those parts marked with "#" are not included in the P.C.B. ass'y.

RX-S75

Schm Ref.	PART NO.	Description		
	VT427200	P.C.B.	MAIN(UC)	
	VT427400	P.C.B.	MAIN(R)	
	VT427500	P.C.B.	MAIN(A)	
	VT427600	P.C.B.	MAIN(BG)	
	VT427700	P.C.B.	MAIN(L)	
CB201	VQ961100	CN.BS.PIN	8P	
CB202	VQ962900	CN.BS.PIN	8P	
CB203	VB390500	CN.BS.PIN	9P(UCRAL)	
CB204	VD005000	CN.BS.PIN	7P(UCRAL)	
CB205	VQ962900	CN.BS.PIN	8P	
CB206	VQ962900	CN.BS.PIN	8P	
CB207	VP694000	CN	14P	
CB208	VP694100	CN	15P	
CB209	VQ962900	CN.BS.PIN	8P	
CB210	VM688900	CN.BS.PIN	10P	
CB211	VD004800	CN.BS.PIN	5P	
CB212	VG879900	CN.BS.PIN	2P	
CB213	VP206500	HOLDER.FUS	EYF-52BC	
CB214	VP206500	HOLDER.FUS	EYF-52BC	
CB215	VP206500	HOLDER.FUS	EYF-52BC	
CB216	VP206500	HOLDER.FUS	EYF-52BC	
CB217	VO022100	CN	40P	
CB220	VP206500	HOLDER.FUS	EYF-52BC	
CB221	VP206500	HOLDER.FUS	EYF-52BC	
CB222	VP206500	HOLDER.FUS	EYF-52BC	
CB223	VP206500	HOLDER.FUS	EYF-52BC	
CB224	VP206500	HOLDER.FUS	EYF-52BC(R)	
CB225	VP206500	HOLDER.FUS	EYF-52BC(R)	
C201	VG278400	C.CE.TUBLR	220pF	50V(ABG)
C202	VF467300	C.CE.TUBLR	0.01uF	16V(ABG)
C202	VG279400	C.CE.TUBLR	2200pF	16V(UC)
C203	VG278400	C.CE.TUBLR	220pF	50V(ABG)
C204	VF964800	C.EL	100uF	16V(BG)
C205	VG278400	C.CE.TUBLR	220pF	50V(BG)
C206	UA653910	C.MYLAR	9100pF	50V(BG)
C207	UA654330	C.MYLAR	0.033uF	50V(BG)
C208	UA653910	C.MYLAR	9100pF	50V(BG)
C209	UA654330	C.MYLAR	0.033uF	50V(BG)
C210	VF964800	C.EL	100uF	16V(BG)
C211	VG278400	C.CE.TUBLR	220pF	50V(BG)
C212	VG278400	C.CE.TUBLR	220pF	50V(ABG)
C213	VG278400	C.CE.TUBLR	220pF	50V(ABG)
C214	VG278400	C.CE.TUBLR	220pF	50V(ABG)
C215	VG278400	C.CE.TUBLR	220pF	50V(ABG)
C216	VG278400	C.CE.TUBLR	220pF	50V(ABG)
C217	VG278400	C.CE.TUBLR	220pF	50V(ABG)
C218	VG278400	C.CE.TUBLR	220pF	50V(ABG)
C219	VG278400	C.CE.TUBLR	220pF	50V(ABG)
C220	VJ839200	C.EL	2.2uF	50V(BG)
C221	VF964800	C.EL	100uF	16V(BG)
C222	VF964800	C.EL	100uF	16V(BG)
C223	VJ839200	C.EL	2.2uF	50V(BG)
C224	VJ836900	C.EL	10uF	16V

*New Parts

Schm Ref.	PART NO.	Description		
C225	VJ836900	C.EL	10uF	16V
C226	VF964800	C.EL	100uF	16V
C227	VJ839200	C.EL	2.2uF	50V
C228	VF466800	C.CE.TUBLR	100pF	50V
C229	VJ839100	C.EL	1uF	50V
C230	VF466700	C.CE.TUBLR	47pF	50V
C231	VF466700	C.CE.TUBLR	47pF	50V
C232	VJ839100	C.EL	1uF	50V
C233	VF466800	C.CE.TUBLR	100pF	50V
C234	VJ839200	C.EL	2.2uF	50V
C235	VF964800	C.EL	100uF	16V
C236	UG444100	C.CE	0.01uF	50V
C237	VF964800	C.EL	100uF	16V
C238	VF760000	C.EL	100uF	10V
C239	VF760000	C.EL	100uF	10V
C240	VJ839100	C.EL	1uF	50V
C241	UM416470	C.EL	4.7uF	50V
C242	VG278400	C.CE.TUBLR	220pF	50V
C243	UJ667470	C.EL	47uF	50V
C244	VG278400	C.CE.TUBLR	220pF	50V
C245	UM416470	C.EL	4.7uF	50V
C246	UA653330	C.MYLAR	3300pF	50V
C247	VJ838800	C.EL	0.22uF	50V
C248	VG278400	C.CE.TUBLR	220pF	50V
C249	UA655150	C.MYLAR	0.15uF	50V
C250	VF466800	C.CE.TUBLR	100pF	50V
C251	VJ839000	C.EL	0.47uF	50V
C252	VJ839000	C.EL	0.47uF	50V
C253	UA655150	C.MYLAR	0.15uF	50V
C254	VF466800	C.CE.TUBLR	100pF	50V
C255	VG278400	C.CE.TUBLR	220pF	50V
C256	VJ838800	C.EL	0.22uF	50V
C257	UA653330	C.MYLAR	3300pF	50V
C258	VF466800	C.CE.TUBLR	100pF	50V
C259	UJ667470	C.EL	47uF	50V
C260	VF466800	C.CE.TUBLR	100pF	50V
C261	Ui367220	C.EL	22uF	50V
C262	UA655270	C.MYLAR	0.27uF	50V
C263	UA655150	C.MYLAR	0.15uF	50V
C264	VF964800	C.EL	100uF	16V
C265	UA655150	C.MYLAR	0.15uF	50V
C266	VF964800	C.EL	100uF	16V
C267	UA655270	C.MYLAR	0.27uF	50V
C268	Ui367220	C.EL	22uF	50V
C269	UM416470	C.EL	4.7uF	50V
C270	VJ839100	C.EL	1uF	50V
C271	UA654330	C.MYLAR	0.033uF	50V
C272	VG276200	C.CE.TUBLR	15pF	50V
C273	UJ668100	C.EL	100uF	50V
C274	UA655100	C.MYLAR	0.1uF	50V
C275	UA655220	C.MYLAR	0.22uF	50V
C276	UA655330	C.MYLAR	0.33uF	50V
C277	UA655220	C.MYLAR	0.22uF	50V

*New Parts

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Schm Ref.	PART NO.	Description		
C278	UA655330	C.MYLAR	0.33uF	50V
C279	UA655100	C.MYLAR	0.1uF	50V
C280	VJ839100	C.EL	1uF	50V
C281	VG276200	C.CE.TUBLR	15pF	50V
C282	UA654330	C.MYLAR	0.033uF	50V
C283	VJ839100	C.EL	1uF	50V
C284	VF466800	C.CE.TUBLR	100pF	50V
C285	VF466800	C.CE.TUBLR	100pF	50V
C286	UA654470	C.MYLAR	0.047uF	50V
C287	VS949500	C.EL	22uF	50V
C288	VS949500	C.EL	22uF	50V
C289	UA654470	C.MYLAR	0.047uF	50V
C290	VF466800	C.CE.TUBLR	100pF	50V
C291	VJ836900	C.EL	10uF	16V
C292	UJ638330	C.EL	330uF	16V
C293	VJ836900	C.EL	10uF	16V
C294	VJ836900	C.EL	10uF	16V
C295	Ui367220	C.EL	22uF	50V
C296	UJ667470	C.EL	47uF	50V
C297	UM416470	C.EL	4.7uF	50V
C298	UA654330	C.MYLAR	0.033uF	50V
C299	UN817470	C.EL	47Ω	6.3V
C300	UJ667470	C.EL	47uF	50V
C301	VF466800	C.CE.TUBLR	100pF	50V
C302	VG279400	C.CE.TUBLR	2200pF	16V(UCABG)
⚠ C303	VT202600	C.EL	8200uF	50V
C304	Ui367220	C.EL	22uF	50V
⚠ C305	VT202600	C.EL	8200uF	50V
C306	VR325300	C.MYLAR	0.047uF	100V
C307	VR325300	C.MYLAR	0.047uF	100V
C308	UA654100	C.MYLAR	0.01uF	50V(UCABG)
C309	UA654100	C.MYLAR	0.01uF	50V(UCABG)
C310	VF467300	C.CE.TUBLR	0.01uF	16V(UCABG)
C311	VF467300	C.CE.TUBLR	0.01uF	16V(UCABG)
C312	VG722100	C.EL	1uF	50V
C313	VJ839000	C.EL	0.47uF	50V
C314	VJ839000	C.EL	0.47uF	50V
C315	VG279400	C.CE.TUBLR	2200pF	16V(BG)
C316	VG279400	C.CE.TUBLR	2200pF	16V(BG)
C317	VF466800	C.CE.TUBLR	100pF	50V
C319	VJ836900	C.EL	10uF	16V
C320	VJ836900	C.EL	10uF	16V
C321	VJ836900	C.EL	10uF	16V
C322	VJ836900	C.EL	10uF	16V
C323	UA654100	C.MYLAR	0.01uF	50V
C324	UA654100	C.MYLAR	0.01uF	50V
C325	UA655120	C.MYLAR	0.15uF	50V
C326	UA655120	C.MYLAR	0.15uF	50V
C328	VF467000	C.CE.TUBLR	1000pF	50V
C329	UG444100	C.CE	0.01uF	50V
C330	VJ836900	C.EL	10uF	16V
C331	VF466800	C.CE.TUBLR	100pF	50V
C332	VF466800	C.CE.TUBLR	100pF	50V

* New Parts

Schm Ref.	PART NO.	Description		
C333	VF466800	C.CE.TUBLR	100pF	50V
C346	VG278800	C.CE.TUBLR	560pF	50V
C347	VG278800	C.CE.TUBLR	560pF	50V
C348	UM416470	C.EL	4.7uF	50V
C349	VF467300	C.CE.TUBLR	0.01uF	16V
D201	VM974200	DIODE.ZENR	HZS5C2TD	5.0V
D208	VD631600	DIODE	1SS133,176,HSS104	
D209	VD631600	DIODE	1SS133,176,HSS104	
D211	VM975500	DIODE.ZENR	HZS12A2TD	12V
D212	VM974500	DIODE.ZENR	HZS6C2TD	6.0V
D213	VM976400	DIODE.ZENR	HZS272TD	27V
⚠ D215	iH001090	DIODE.BRG	S4VB20	2.6A 200V
D216	VN008700	DIODE	1SS270A	
D217	VD631600	DIODE	1SS133,176,HSS104	
D218	VD631600	DIODE	1SS133,176,HSS104	
D221	VM974100	DIODE.ZENR	HZS5B2TD	5.0V
D222	VM975000	DIODE.ZENR	HZS9B2TD	9.0V
D223	VM975000	DIODE.ZENR	HZS9B2TD	9.0V
D224	VD631600	DIODE	1SS133,176,HSS104	
D225	VD631600	DIODE	1SS133,176,HSS104	
D226	VD631600	DIODE	1SS133,176,HSS104	
D227	VD631600	DIODE	1SS133,176,HSS104	
D228	VD631600	DIODE	1SS133,176,HSS104	
D229	VD631600	DIODE	1SS133,176,HSS104	
D230	VD631600	DIODE	1SS133,176,HSS104	
D231	VD631600	DIODE	1SS133,176,HSS104	
D232	VD631600	DIODE	1SS133,176,HSS104	
D233	VD631600	DIODE	1SS133,176,HSS104	
D234	VD631600	DIODE	1SS133,176,HSS104	
D235	VM974500	DIODE.ZENR	HZS6C2TD	6.0V
D236	VD631600	DIODE	1SS133,176,HSS104	
⚠ F201	KB000790	FUSE	T4.0A	250V(R)
⚠ F201	KB001660	FUSE	T1.60A	250V(ABGL)
⚠ F201	VS822900	FUSE	T4.0A	125V(UC)
⚠ F202	KB000750	FUSE.MNI	T2.0A	250V(RABGL)
⚠ F202	VS822500	FUSE	2.0A	125V(UC)
⚠ F203	KB000750	FUSE.MNI	T2.0A	250V(RABGL)
⚠ F203	VS822500	FUSE	2.0A	125V(UC)
⚠ F204	KB000750	FUSE.MNI	T2.0A	250V(RABGL)
⚠ F204	VS822500	FUSE	2.0A	125V(UC)
⚠ F205	KB001660	FUSE	T1.60A	250V(R)
IC201	XM356A00	IC	NJM2068LD(BG)	
IC202	iG055100	IC	TC4053BP	
IC203	XA053A00	IC	TC4052BP	
IC204	iG055100	IC	TC4053BP	
IC205	XF494A00	IC	LB1641	
IC206	XM356A00	IC	NJM2068LD	
IC211	XB247301	IC	uPC4570HA	
IC215	XG938A00	IC	BA15218N	
⚠ IC220	iG067100	IC	uPC1225H	
⚠ IC221	iG067100	IC	uPC1225H	
IC222	XH471A00	IC	M5218AL	
IC226	XF663A00	IC	uPC1237HA	

* New Parts

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	Schm Ref.	PART NO.	Description	
	IC227	XB247301	IC	uPC4570HA
	IC228	XB247301	IC	uPC4570HA
	L201	VP575600	COIL	1.5uH
	L202	VP575600	COIL	1.5uH
	PJ201	VQ260900	JACK.PIN	4P
	Q201	VG721700	TR.DGT	DTA144ES
	Q202	iC287820	TR	2SC2878 A,B
	Q203	iC287820	TR	2SC2878 A,B
	Q204	VG722000	TR.DGT	DTC144ES
	Q205	VG721700	TR.DGT	DTA144ES
	Q206	iC174020	TR	2SC1740S R,S
	Q207	iC174020	TR	2SC1740S R,S
	Q208	VG721700	TR.DGT	DTA144ES
	Q209	VN996900	TR	2SC4495
	Q210	iB056020	TR	2SB560 E,F
△#	Q210A	iX615750	TR	2SA1694 O,P,Y
△#	Q210C	iX615760	TR	2SC4467 O,P,Y
	Q211	VD678500	TR.DGT	DTA114ES
	Q212	VG721700	TR.DGT	DTA144ES
△#	Q212A	iX615750	TR	2SA1694 O,P,Y
△#	Q212C	iX615760	TR	2SC4467 O,P,Y
	Q213	VG722000	TR.DGT	DTC144ES
△	Q215	VK407600	TR	2SC4208A Q,R,S
	Q216	iA093320	TR	2SA933S Q,R
△	Q220	VN996900	TR	2SC4495
	Q221	VG722000	TR.DGT	DTC144ES
△	Q222	VS883300	TR	2SB1565 E,F
	Q223	VG722000	TR.DGT	DTC144ES
	Q224	VG722000	TR.DGT	DTC144ES
	Q225	VG722000	TR.DGT	DTC144ES
	Q227	iC174020	TR	2SC1740S R,S
	Q228	iC174020	TR	2SC1740S R,S
	Q229	iA093320	TR	2SA933S Q,R
	Q230	iA093320	TR	2SA933S Q,R
	Q231	iC174020	TR	2SC1740S R,S
	Q232	iC174020	TR	2SC1740S R,S
	Q233	iA093320	TR	2SA933S Q,R
	Q234	iA093320	TR	2SA933S Q,R
	Q235	iC174020	TR	2SC1740S R,S
	Q236	iC174020	TR	2SC1740S R,S
	Q238	iC287820	TR	2SC2878 A,B(UCRAL)
	Q239	iC287820	TR	2SC2878 A,B(UCRAL)
	Q240	VD678500	TR.DGT	DTA114ES
	Q241	VH964100	TR.DGT	DTA143ES(UCRAL)
	R229	HV454220	R.CAR.FP	22Ω 1/4W(BG)
	R234	HV454220	R.CAR.FP	22Ω 1/4W(BG)
	R249	HV454330	R.CAR.FP	33Ω 1/4W
	R251	HV454220	R.CAR.FP	22Ω 1/4W
	R252	HV454220	R.CAR.FP	22Ω 1/4W
	R280	HV454680	R.CAR.FP	68Ω 1/4W
	R285	HV454680	R.CAR.FP	68Ω 1/4W
△	R286	HV454220	R.CAR.FP	22Ω 1/4W
△	R287	HV454220	R.CAR.FP	22Ω 1/4W

*New Parts

	Schm Ref.	PART NO.	Description	
	R299	HV453470	R.CAR.FP	4.7Ω 1/4W
△	R317	HZ003780	R.MTL.PLAT	0.22Ω+0.22 5W
	R318	HV454100	R.CAR.FP	10Ω 1/4W
	R319	HV454100	R.CAR.FP	10Ω 1/4W
	R328	HV454100	R.CAR.FP	10Ω 1/4W
	R329	HV454100	R.CAR.FP	10Ω 1/4W
△	R330	HZ003780	R.MTL.PLAT	0.22Ω+0.22 5W
	R348	HV456680	R.CAR.FP	6.8KΩ 1/4W
	R351	VR046900	R.MTL.FLM	2.2Ω 3W(UC)
	R355	HV453100	R.CAR.FP	1Ω 1/4W
	R356	HL315820	R.MTL.OXD	820Ω 1W
	R357	HV456680	R.CAR.FP	6.8KΩ 1/4W
	R359	VT424900	R.WW	0.22Ω 3W
	R360	VT424900	R.WW	0.22Ω 3W
	R371	VR046900	R.MTL.FLM	2.2Ω 3W(UC)
	R372	VR046900	R.MTL.FLM	2.2Ω 3W(UC)
△	R374	VT406200	R.WW	68Ω 7W
	R398	HV453100	R.CAR.FP	1Ω 1/4W
	R399	HV453100	R.CAR.FP	1Ω 1/4W
	R404	HV453100	R.CAR.FP	1Ω 1/4W
	R405	VK186400	R.FUS	6.8Ω 1/4W
	RY201	VK438300	RELAY	DH24D2-OTM-
	SW201	VF541200	SW.SLIDE	SSSF11(R)
△	SW203	VA961800	VOLT.SELCT	ESE-37247-F(R)
	TE201	VP692600	TERM.SP	4P
	TP201	VL448600	JUMPER.TST	
	TP202	VL448600	JUMPER.TST	
		VR264300	PLATE.GND	
		BB071360	SCR.TERM	8.3x13
		VQ366200	HEAT.SINK	
		EP600130	SCR.BND.HD	3x6 ZMC2-Y
		EK930010	SCR.BW.HD	3x8-8 FCRM3-BL
		VQ368600	PUSH.RIVET	P3555-B
		VL391100	RADIATOR	OSH-2440-SPL
		VT593100	HEAT.SINK	UOT-16C40-MP
		VT427900	P.C.B.	SUB(UC)
		VT428000	P.C.B.	SUB(R)
		VT428100	P.C.B.	SUB(A)
		VT429000	P.C.B.	SUB(BG)
		VT598900	P.C.B.	SUB(L)
	CB501	VQ961100	CN.BS.PIN	8P
	CB502	VQ961100	CN.BS.PIN	8P
	CB503	VQ961100	CN.BS.PIN	8P
	CB504	VP113500	CN.BS.PIN	10P
	CB601	VO022300	CN.BS.PIN	40P
	C501	VF467300	C.CE.TUBLR	0.01uF 16V
	C502	VF467300	C.CE.TUBLR	0.01uF 16V
	C503	VJ836900	C.EL	10uF 16V
	C504	VF467300	C.CE.TUBLR	0.01uF 16V
	C505	VF467300	C.CE.TUBLR	0.01uF 16V

*New Parts

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Schm Ref.	PART NO.	Description		
C506	VJ836900	C.EL	10uF	16V
C507	VJ836900	C.EL	10uF	16V
C508	VF467300	C.CE.TUBLR	0.01uF	16V
C509	VJ836900	C.EL	10uF	16V
C510	VF467300	C.CE.TUBLR	0.01uF	16V
C511	UM416470	C.EL	4.7uF	50V
C512	VF467300	C.CE.TUBLR	0.01uF	16V
C513	VJ839000	C.EL	0.47uF	50V
C514	VJ839100	C.EL	1uF	50V
C515	VJ839100	C.EL	1uF	50V
C516	VF466800	C.CE.TUBLR	100pF	50V
C517	UM216330	C.EL	3.3uF	50V
C518	VF467300	C.CE.TUBLR	0.01uF	16V
C519	VJ837200	C.EL	47uF	16V
C520	VF467100	C.CE.TUBLR	4700pF	16V
C521	VJ839100	C.EL	1uF	50V
C522	VF467000	C.CE.TUBLR	1000pF	50V(UCRL)
C522	VG278600	C.CE.TUBLR	330pF	50V(ABG)
C523	VA777400	C.CE	120pF	50V(ABG)
C524	UA654220	C.MYLAR	0.022uF	50V(ABGL)
C524	UA654330	C.MYLAR	0.033uF	50V(UCR)
C525	UA654220	C.MYLAR	0.022uF	50V(ABGL)
C525	UA654330	C.MYLAR	0.033uF	50V(UCR)
C526	VJ839200	C.EL	2.2uF	50V
C527	VJ839200	C.EL	2.2uF	50V
C528	UM416470	C.EL	4.7uF	50V(UCRAL)
C528	VJ839200	C.EL	2.2uF	50V(BG)
C529	UM416470	C.EL	4.7uF	50V(UCRAL)
C529	VJ839200	C.EL	2.2uF	50V(BG)
C530	VG279500	C.CE.TUBLR	2700pF	16V
C531	VG279500	C.CE.TUBLR	2700pF	16V
C532	VJ836900	C.EL	10uF	16V
C533	VJ839100	C.EL	1uF	50V
C534	UA656100	C.MYLAR	1uF	50V(BG)
C535	VJ836900	C.EL	10uF	16V
C536	VA761200	C.CE	33pF	50V
C537	VA761200	C.CE	33pF	50V
C538	VF466800	C.CE.TUBLR	100pF	50V
C539	VJ836900	C.EL	10uF	16V(BG)
C540	VG278400	C.CE.TUBLR	220pF	50V(BG)
C542	VF467300	C.CE.TUBLR	0.01uF	16V
C543	VJ836900	C.EL	10uF	16V
C560	VF467300	C.CE.TUBLR	0.01uF	16V(UCRAL)
C561	VJ599000	C.CE.TUBLR	0.047uF	16V
C562	VG273800	C.CE.TUBLR	18pF	50V
C563	VF467300	C.CE.TUBLR	0.01uF	16V
C564	VG722100	C.EL	1uF	50V
C565	VJ599000	C.CE.TUBLR	0.047uF	16V
C566	VJ599000	C.CE.TUBLR	0.047uF	16V
C567	VH053100	C.CE.TUBLR	0.1uF	50V
C568	UA655120	C.MYLAR	0.15uF	50V
C569	UA655120	C.MYLAR	0.15uF	50V
C570	UA654330	C.MYLAR	0.033uF	50V

* New Parts

Schm Ref.	PART NO.	Description		
C571	UA654330	C.MYLAR	0.033uF	50V
C572	VJ599000	C.CE.TUBLR	0.047uF	16V
C573	VF467300	C.CE.TUBLR	0.01uF	16V
C574	VJ599000	C.CE.TUBLR	0.047uF	16V
C575	VF467300	C.CE.TUBLR	0.01uF	16V(BG)
C576	VF467300	C.CE.TUBLR	0.01uF	16V
C577	VF467300	C.CE.TUBLR	0.01uF	16V
C578	VF467300	C.CE.TUBLR	0.01uF	16V(ABG)
C601	VH053100	C.CE.TUBLR	0.1uF	50V
C602	VS672200	C.EL	4700uF	5.5V
C603	VJ839100	C.EL	1uF	50V
C604	VG273400	C.CE.TUBLR	11pF	50V
C605	VG273400	C.CE.TUBLR	11pF	50V
C606	VH053100	C.CE.TUBLR	0.1uF	50V
C607	VF466800	C.CE.TUBLR	100pF	50V
C608	VF467000	C.CE.TUBLR	1000pF	50V
C609	VF467000	C.CE.TUBLR	1000pF	50V
C610	VF127200	C.CE.ARRAY	100pFx4	50V
C611	VG273400	C.CE.TUBLR	11pF	50V
C612	VG273400	C.CE.TUBLR	11pF	50V
D501	VM974700	DIODE.ZENR	HZS7B2TD	7.0V
D502	VD631600	DIODE	1SS133,176,HSS104	
D503	VD631600	DIODE	1SS133,176,(BG)	
D504	VD631600	DIODE	1SS133,176,HSS104	
D506	VD631600	DIODE	1SS133,176,HSS104	
D507	VD631600	DIODE	1SS133,176,HSS104	
D510	VD631600	DIODE	1SS133,176,(BG)	
D601	VM974300	DIODE.ZENR	HZS6A2TD	6.0V
D602	VD631600	DIODE	1SS133,176,HSS104	
D603	VD631600	DIODE	1SS133,176,HSS104	
D604	VD631600	DIODE	1SS133,176,HSS104	
IC501	XQ358A00	IC	LA1836	
IC502	XQ360A00	IC	LC72130	
IC505	XQ359A00	IC	STK311-020B(BG)	
IC601	XQ769B00	IC	M38173M6-359FP CPU	
JK501	VP609800	JACK.MNI	1P YKB21-5151	
L501	Vi544500	COIL	10uH	
L502	GG000560	FLTR.CE	SFE10.7MS3GHY-A	
L503	GG000560	FLTR.CE	SFE10.7MS3GHY-A	
L504	VC219000	FLTR.CE	SFZ450JL3	
L505	VR895700	COIL.IF	450KHz	
L506	VR888000	FLTR.LC	GRM-203 19KHZ	
L507	VQ365700	FLTR.LP	FB-7SG(ABG)	
L508	VT082700	COIL.DT	10.7MHZ P600TEAS	
L509	VR888000	FLTR.LC	GRM-203 19KHZ	
L510	Vi544500	COIL	10uH	
L511	Vi546100	COIL	220uH(BG)	
PK501	VQ987600	TUNER.PK	EXV-17296G1(ABG)	
PK501	VR242200	TUNER.PK	EXV-17296G1(UCRL)	
PK502	VR888300	COIL.AM	RBQ07VB(BG)	
PK502	VR900100	COIL.AM	RBW07VB(UCRAL)	
Q501	iC053540	TR	2SC535 A,B,C	
Q502	VD678500	TR.DGT	DTA114ES	

* New Parts

RX-S75

Schm Ref.	PART NO.	Description	
Q503	VC218900	TR	2SC3330 R,S,T(BG)
Q504	VC218900	TR	2SC3330 R,S,T(BG)
Q505	VC218900	TR	2SC3330 R,S,T(BG)
Q506	VC218900	TR	2SC3330 R,S,T(ABG)
Q507	VG722000	TR.DGT	DTC144ES(BG)
Q508	VC218900	TR	2SC3330 R,S,T(BG)
Q509	VG721700	TR.DGT	DTA144ES(BG)
Q601	VD488500	TR.DGT	DTC143XS
R563	HV455120	R.CAR.FP	120Ω 1/4W
R639	VN001500	R.ARRAY	100KΩx8
SW601	VG392900	SW.TACT	SKHVAA
SW602	VG392900	SW.TACT	SKHVAA
SW603	VG392900	SW.TACT	SKHVAA
SW604	VG392900	SW.TACT	SKHVAA
SW605	VG392900	SW.TACT	SKHVAA
SW606	VG392900	SW.TACT	SKHVAA
SW607	VG392900	SW.TACT	SKHVAA
SW608	VG392900	SW.TACT	SKHVAA
SW609	VG392900	SW.TACT	SKHVAA
SW610	VG392900	SW.TACT	SKHVAA
SW611	VG392900	SW.TACT	SKHVAA
SW612	VG392900	SW.TACT	SKHVAA
SW613	VG392900	SW.TACT	SKHVAA
SW614	VG392900	SW.TACT	SKHVAA
SW615	VT140300	SW.RT.ENC	EC16B12204
TE501	LA005800	TERM.ANT	YKD31-0215
TP501	VL448600	JUMPER.TST	(BG)
U601	VR023400	L.DETCT	SPS-424-1
V601	VS961600	FL.DSPLY	16-MT-49GK(UCRAL)
V601	VT442600	FL.DSPLY	16-MT-51GK(BG)
VR501	VR262000	VR.MTR	A100KΩ
VR502	VQ063200	VR	B10KΩ
VR503	VQ063100	VR	B10KΩ
VR504	VQ063000	VR	MN5KΩ
XL501	VE905900	RSNR.CE	19KHz
XL502	QU003800	RSNR.CRYS	7.2MHz
XL503	VS860100	RSNR.CE	19KHz(BG)
XL601	VR891500	RSNR.CE	6.30MHz
XL602	VQ328900	RSNR.CRYS	32.768KHz
	VJ828000	PIN	IMSA-6024-03E
	BB071360	SCR.TERM	8.3x13
	VS010100	SHEET	FL
	VR380100	SPACER	FL-T6

*New Parts

Schm Ref.	PART NO.	Description	
	VQ978900	P.C.B.	DSP(UCRAL)
C701	VJ836900	C.EL	10uF 16V
C702	VJ836900	C.EL	10uF 16V
C703	UA654100	C.MYLAR	0.01uF 50V
C704	UA654100	C.MYLAR	0.01uF 50V
C705	UM416470	C.EL	4.7uF 50V
C706	UA654270	C.MYLAR	0.027uF 50V
C707	UA653150	C.MYLAR	1500pF 50V
C708	UA653150	C.MYLAR	1500pF 50V
C709	UA654270	C.MYLAR	0.027uF 50V
C710	FZ005880	C.CE.ML	0.1uF 25V
C711	VJ836900	C.EL	10uF 16V
C712	UA653330	C.MYLAR	3300pF 50V
C713	UA653330	C.MYLAR	3300pF 50V
C714	VF964800	C.EL	100uF 16V
C715	UA654270	C.MYLAR	0.027uF 50V
C716	UA654100	C.MYLAR	0.01uF 50V
C717	UA653150	C.MYLAR	1500pF 50V
C718	UA654100	C.MYLAR	0.01uF 50V
C719	UA653150	C.MYLAR	1500pF 50V
C720	UA654270	C.MYLAR	0.027uF 50V
C721	FZ005880	C.CE.ML	0.1uF 25V
C722	VF964800	C.EL	100uF 16V
C723	VJ836900	C.EL	10uF 16V
C724	VJ836900	C.EL	10uF 16V
C725	VJ836900	C.EL	10uF 16V
C726	VJ836900	C.EL	10uF 16V
C727	VJ836900	C.EL	10uF 16V
C728	VA761200	C.CE	33pF 50V
C729	VA761200	C.CE	33pF 50V
C730	VA761200	C.CE	33pF 50V
C731	VA761200	C.CE	33pF 50V
C732	VJ836900	C.EL	10uF 16V
C733	VJ836900	C.EL	10uF 16V
C734	VJ836900	C.EL	10uF 16V
C735	VJ836900	C.EL	10uF 16V
C736	UA654270	C.MYLAR	0.027uF 50V
C737	UA654100	C.MYLAR	0.01uF 50V
C738	UA653150	C.MYLAR	1500pF 50V
C739	UA654100	C.MYLAR	0.01uF 50V
C740	UA653150	C.MYLAR	1500pF 50V
C741	UA654270	C.MYLAR	0.027uF 50V
C742	VJ836900	C.EL	10uF 16V
C743	VJ836900	C.EL	10uF 16V
C744	VJ836900	C.EL	10uF 16V
C745	VJ836900	C.EL	10uF 16V
C746	VJ836900	C.EL	10uF 16V
C747	VJ836900	C.EL	10uF 16V
C748	VE551500	C.CE	47pF 50V
C749	VE551500	C.CE	47pF 50V
C750	VF466800	C.CE.TUBLR	100pF 50V
C751	VG276600	C.CE.TUBLR	22pF 50V
C752	VG276600	C.CE.TUBLR	22pF 50V

*New Parts

RX-S75

Schm Ref.	PART NO.	Description	
C753	VF467300	C.CE.TUBLR	0.01uF 16V
C754	VF466800	C.CE.TUBLR	100pF 50V
C755	VF467300	C.CE.TUBLR	0.01uF 16V
C756	VF466800	C.CE.TUBLR	100pF 50V
C757	VF466800	C.CE.TUBLR	100pF 50V
C758	VF466800	C.CE.TUBLR	100pF 50V
C759	VF466800	C.CE.TUBLR	100pF 50V
C760	VF466800	C.CE.TUBLR	100pF 50V
C761	VF466800	C.CE.TUBLR	100pF 50V
C762	VF466800	C.CE.TUBLR	100pF 50V
C763	VF466800	C.CE.TUBLR	100pF 50V
C764	VF467300	C.CE.TUBLR	0.01uF 16V
C765	VF466800	C.CE.TUBLR	100pF 50V
C766	VJ836900	C.EL	10uF 16V
C767	VF637900	C.EL	1000uF 10V
C768	VF760000	C.EL	100uF 10V
C769	UA653560	C.MYLAR	5600pF 50V
C770	UA653560	C.MYLAR	5600pF 50V
C771	VJ836900	C.EL	10uF 16V
C772	VF467300	C.CE.TUBLR	0.01uF 16V
D701	VD631600	DIODE	1SS133,176,HSS104
D702	VD631600	DIODE	1SS133,176,HSS104
D703	VD631600	DIODE	1SS133,176,HSS104
D704	VD631600	DIODE	1SS133,176,HSS104
D705	VD631600	DIODE	1SS133,176,HSS104
IC701	XB247301	IC	uPC4570HA
IC705	XB247301	IC	uPC4570HA
IC709	Xi020A00	IC	HM65256BLFP-10T
IC710	XB247301	IC	uPC4570HA
IC714	XN299A00	IC	YSS234
IC715	XM085A00	IC	M5238A
IC719	XM085A00	IC	M5238A
IC723	XB247301	IC	uPC4570HA
IC727	XB247301	IC	uPC4570HA
IC731	XB247301	IC	uPC4570HA
L701	Vi546100	COIL	220uH
Q704	iC287820	TR	2SC2878 A,B
Q705	iC287820	TR	2SC2878 A,B
Q706	VD678500	TR.DGT	DTA114ES
XL701	VR039300	RSNR.CE	12MHz
	BB069510	GND.MTL	No.6951

*New Parts

CDC-S75

	Schm Ref.	PART NO.	Description	
*		VT428300	P.C.B.	MAIN
	CB2	VD004500	CN.BS.PIN	2P
	CB3	VL498500	CN	15P
	CB9	VD004800	CN.BS.PIN	5P
	CB10	VD005100	CN.BS.PIN	8P
	CB11	VD004900	CN.BS.PIN	6P
	CB12	VD005100	CN.BS.PIN	8P
	CB14	VN066500	CN.BS.PIN	12P
	CB16	VE015900	TERM	3P IMSA-1068-03A
	CB17	VE028500	TERM	6P IMSA-1068-06A
	C1	VF760000	C.EL	100uF 10V
	C2	VH053100	C.CE.TUBLR	0.1uF 50V
	C3	VH053100	C.CE.TUBLR	0.1uF 50V
	C4	VG278100	C.CE.TUBLR	120pF 50V
	C5	VF467300	C.CE.TUBLR	0.01uF 16V
	C6	UA653240	C.MYLAR	2400pF 50V
	C7	UA654390	C.MYLAR	0.039uF 50V
	C8	UA654150	C.MYLAR	0.015uF 50V
	C9	UM397330	C.EL	33uF 16V
	C10	VJ839100	C.EL	1uF 50V
	C11	VF964800	C.EL	100uF 16V
	C12	VF964800	C.EL	100uF 16V
	C13	VH053100	C.CE.TUBLR	0.1uF 50V
	C14	VF760000	C.EL	100uF 10V
	C15	VF467300	C.CE.TUBLR	0.01uF 16V
	C16	VF466900	C.CE.TUBLR	470pF 50V
	C17	VF467300	C.CE.TUBLR	0.01uF 16V
	C18	UK665470	C.EL	0.47uF 50V
	C19	UA655270	C.MYLAR	0.27uF 50V
	C20	VG278400	C.CE.TUBLR	220pF 50V
	C21	UA654330	C.MYLAR	0.033uF 50V
	C22	VH053100	C.CE.TUBLR	0.1uF 50V
	C23	VH053100	C.CE.TUBLR	0.1uF 50V
	C24	VH053100	C.CE.TUBLR	0.1uF 50V
	C25	VG277900	C.CE.TUBLR	82pF 50V
	C26	UA653100	C.MYLAR	1000pF 50V
	C27	VJ837200	C.EL	47uF 16V
	C28	UN847100	C.EL	10uF 25V
	C29	UA654330	C.MYLAR	0.033uF 50V
	C30	VF760000	C.EL	100uF 10V
	C31	UA655180	C.MYLAR	0.18uF 50V
	C32	UM417100	C.EL	10uF 50V
	C33	UA653330	C.MYLAR	3300pF 50V
	C34	VG722100	C.EL	1uF 50V
	C35	VG279900	C.CE.TUBLR	6800pF 16V
	C36	UA655100	C.MYLAR	0.1uF 50V
	C37	VH053100	C.CE.TUBLR	0.1uF 50V
	C38	UA654330	C.MYLAR	0.033uF 50V
	C39	VF467100	C.CE.TUBLR	4700pF 16V
	C40	VJ839000	C.EL	0.47uF 50V
	C41	UA654470	C.MYLAR	0.047uF 50V
	C42	VG276600	C.CE.TUBLR	22pF 50V
	C43	UA654470	C.MYLAR	0.047uF 50V

*New Parts

Schm Ref.	PART NO.	Description	
C44	VH053100	C.CE.TUBLR	0.1uF 50V
C45	VH053100	C.CE.TUBLR	0.1uF 50V
C46	UM417100	C.EL	10uF 50V
C47	UA653100	C.MYLAR	1000pF 50V
C48	VF760000	C.EL	100uF 10V
C49	VH053100	C.CE.TUBLR	0.1uF 50V
C50	VF964800	C.EL	100uF 16V
C51	VH053100	C.CE.TUBLR	0.1uF 50V
C52	VH053100	C.CE.TUBLR	0.1uF 50V
C53	VF760000	C.EL	100uF 10V
C54	VH053100	C.CE.TUBLR	0.1uF 50V
C55	UJ628470	C.EL	470uF 10V
C56	VA761400	C.CE	47pF 50V
C57	VA761400	C.CE	47pF 50V
C58	VH053100	C.CE.TUBLR	0.1uF 50V
C59	VH053100	C.CE.TUBLR	0.1uF 50V
C60	UJ628470	C.EL	470uF 10V
C61	VH053100	C.CE.TUBLR	0.1uF 50V
C62	UA654100	C.MYLAR	0.01uF 50V
C63	UA654100	C.MYLAR	0.01uF 50V
C64	UA654100	C.MYLAR	0.01uF 50V
C65	UA654100	C.MYLAR	0.01uF 50V
C66	UJ628470	C.EL	470uF 10V
C67	VH053100	C.CE.TUBLR	0.1uF 50V
C68	UJ628470	C.EL	470uF 10V
C69	UA653220	C.MYLAR	2200pF 50V
C70	UA653220	C.MYLAR	2200pF 50V
C71	VG288100	C.EL	2200uF 16V
C72	VJ839000	C.EL	0.47uF 50V
C73	VG288200	C.EL	3300uF 16V
C74	VJ839100	C.EL	1uF 50V
C75	UA653560	C.MYLAR	5600pF 50V
C76	UA653220	C.MYLAR	2200pF 50V
C77	UA653220	C.MYLAR	2200pF 50V
C78	UA653560	C.MYLAR	5600pF 50V
C80	UG444100	C.CE	0.01uF 50V
C81	UG444100	C.CE	0.01uF 50V
C82	UM407220	C.EL	22uF 25V
C83	UA653100	C.MYLAR	1000pF 50V
C84	UA653100	C.MYLAR	1000pF 50V
C85	UM407220	C.EL	22uF 25V
C86	VH483900	C.CE.ARRAY	100pF 50V
C87	VH483900	C.CE.ARRAY	100pF 50V
C88	VF466600	C.CE.TUBLR	10pF 50V
C89	VF466600	C.CE.TUBLR	10pF 50V
C90	VF466600	C.CE.TUBLR	10pF 50V
C91	VF466600	C.CE.TUBLR	10pF 50V
C92	VH053100	C.CE.TUBLR	0.1uF 50V
C93	VH053100	C.CE.TUBLR	0.1uF 50V
C94	VH053100	C.CE.TUBLR	0.1uF 50V
C95	VJ837200	C.EL	47uF 16V
C98	VF760000	C.EL	100uF 10V
C103	VH053100	C.CE.TUBLR	0.1uF 50V

*New Parts

CDC-S75

Schm Ref.	PART NO.	Description	
C105	VG278400	C.CE.TUBLR	220pF 50V
C106	VG278400	C.CE.TUBLR	220pF 50V
C107	UJ628470	C.EL	470uF 10V
C108	VF760000	C.EL	100uF 10V
C110	VG278400	C.CE.TUBLR	220pF 50V
C111	VG278400	C.CE.TUBLR	220pF 50V
C115	VH053100	C.CE.TUBLR	0.1uF 50V
C116	VF467300	C.CE.TUBLR	0.01uF 16V
D2	VD631600	DIODE	1SS133,176,HSS104
D3	VM974500	DIODE.ZENR	HZS6C2TD 6.0V
D4	VD631600	DIODE	1SS133,176,HSS104
D5	VD631600	DIODE	1SS133,176,HSS104
D6	VD631600	DIODE	1SS133,176,HSS104
D7	VD631600	DIODE	1SS133,176,HSS104
D8	VD631600	DIODE	1SS133,176,HSS104
D9	VD631600	DIODE	1SS133,176,HSS104
D11	VD631600	DIODE	1SS133,176,HSS104
⚠ D12	VH770800	DIODE	1SR139-100
⚠ D13	VH770800	DIODE	1SR139-100
⚠ D14	VH770800	DIODE	1SR139-100
⚠ D15	VH770800	DIODE	1SR139-100
D30	VD631600	DIODE	1SS133,176,HSS104
IC1	XJ740B00	IC	LA6524
IC2	XN324A00	IC	NJM4558DV
IC3	XJ742A00	IC	LA9210
IC4	Xi250A00	IC	LA6515
IC5	XK583A00	IC	TA7291P
IC6	XL834A00	IC	YDC103
IC7	XQ767A00	IC	M38103M6-206SP
IC8	XA987001	IC	NJM2068D
IC9	XA987001	IC	NJM2068D
IC10	XA987001	IC	NJM2068D
IC11	XA987001	IC	NJM2068D
IC12	XD201A00	IC	M5290P
⚠ IC13	XM660A00	IC	uPC2253H
L1	Vi546100	COIL	220uH
L2	Vi546100	COIL	220uH
L3	Vi546100	COIL	220uH
L4	Vi546100	COIL	220uH
L5	VD473700	COIL	60uH
L6	Vi545800	COIL	120uH
L7	VE795500	FER.BEAD	B-01-RTF
L8	Vi545800	COIL	120uH
L9	VE795500	FER.BEAD	B-01-RTF
L10	VD473700	COIL	60uH
L11	VE795500	FER.BEAD	B-01-RTF
L12	VD473700	COIL	60uH
L15	VD473700	COIL	60uH
L16	VE795500	FER.BEAD	B-01-RTF
L17	VE795500	FER.BEAD	B-01-RTF
L18	VE795500	FER.BEAD	B-01-RTF
L19	VE795500	FER.BEAD	B-01-RTF
L20	Vi491100	FER.CORE	BP53RB19012080M

* New Parts

Schm Ref.	PART NO.	Description	
Q2	iC174020	TR	2SC1740S R,S
Q3	iC174020	TR	2SC1740S R,S
Q4	iB054430	TR	2SB544 D,E,F,G
Q5	iC174020	TR	2SC1740S R,S
Q6	iA093320	TR	2SA933S Q,R
Q7	iC174020	TR	2SC1740S R,S
Q8	iC174020	TR	2SC1740S R,S
⚠ Q9	iD040040	TR	2SD400
⚠ Q10	VH481100	TR	2SB1416TA Q,R
Q11	iA093320	TR	2SA933S Q,R
Q12	iC287820	TR	2SC2878 A,B
Q13	iC287820	TR	2SC2878 A,B
Q15	iC287820	TR	2SC2878 A,B
Q16	iC287820	TR	2SC2878 A,B
R5	HV454100	R.CAR.FP	10Ω 1/4W
R6	HV454100	R.CAR.FP	10Ω 1/4W
⚠ R17	VH293400	R.FUS	2.2Ω 1/6W
⚠ R19	VH293400	R.FUS	2.2Ω 1/6W
R20	HV454100	R.CAR.FP	10Ω 1/4W
R34	HV454100	R.CAR.FP	10Ω 1/4W
R35	HV454100	R.CAR.FP	10Ω 1/4W
R37	HV453220	R.CAR.FP	2.2Ω 1/4W
R42	HV454100	R.CAR.FP	10Ω 1/4W
R43	HV453220	R.CAR.FP	2.2Ω 1/4W
R44	HV454100	R.CAR.FP	10Ω 1/4W
R89	VQ379500	R.ARRAY	10KΩx4
R136	VQ365600	R.ARRAY	4.7KΩx5
R139	VQ379400	R.ARRAY	10KΩx3
R149	VQ379600	R.ARRAY	10KΩx6
SW4	VG392900	SW.TACT	SKHVAA
SW6	VG392900	SW.TACT	SKHVAA
SW7	VG392900	SW.TACT	SKHVAA
SW8	VG392900	SW.TACT	SKHVAA
SW9	VG392900	SW.TACT	SKHVAA
SW10	VG392900	SW.TACT	SKHVAA
SW11	VG392900	SW.TACT	SKHVAA
SW12	VG392900	SW.TACT	SKHVAA
SW13	VG392900	SW.TACT	SKHVAA
SW14	VG392900	SW.TACT	SKHVAA
SW15	VG392900	SW.TACT	SKHVAA
SW16	VG392900	SW.TACT	SKHVAA
SW17	VG392900	SW.TACT	SKHVAA
VR1	VJ693600	VR.TRIM	B10KΩ
VR2	VJ694000	VR.TRIM	B47KΩ
VR3	VJ694000	VR.TRIM	B47KΩ
VR4	VJ693600	VR.TRIM	B10KΩ
VR5	VJ693700	VR.TRIM	B15KΩ
XL1	VJ719800	RSNR.CRYS	16.9344MHz
XL2	VB759100	RSNR.CE	4MHz
	VR264300	PLATE.GND	
	VA119100	HEAT.SINK	
	VM988600	RADIATOR	
	EN340030	SCR.BOD.HD	3x6 FCRM3-BL

* New Parts

CDC-S75/KXW-S75

Schm Ref.	PART NO.	Description	
	VQ350500	P.C.B.	SUB
CB301	VB858200	CN.BS.PIN	3P
CB302	VB858100	CN.BS.PIN	2P
CB303	VB858200	CN.BS.PIN	3P
CB304	VB858200	CN.BS.PIN	3P
CB305	VB858200	CN.BS.PIN	3P
CB306	VB858100	CN.BS.PIN	2P
CB307	VB858100	CN.BS.PIN	2P
CB308	VQ047300	CN.BS.PIN	12P
D301	VG700100	LED.INFRD	SIR-56SB3H
Q301	VJ544100	PHOT.TR	RPM-22DB106
SW301	Vi294000	SW.LEVER	SSCF21
SW302	Vi294000	SW.LEVER	SSCF21
SW303	VQ245300	SW.LEVER	SSCTA1-N-P

*New Parts

Schm Ref.	PART NO.	Description		
*	VT428400	P.C.B.	MAIN	
CB1	VC014700	CN.BS.PIN	3P	
CB2	VC015100	CN.BS.PIN	7P	
CB3	VE851200	CN	11P	
CB4	VL498300	CN	13P	
CB5	VL498400	CN	14P	
CB6	VD005000	CN.BS.PIN	7P	
CB7	VD005100	CN.BS.PIN	8P	
CB8	VB858600	CN.BS.PIN	7P	
CB9	VB858700	CN.BS.PIN	8P	
C1	UA652390	C.MYLAR	390pF	50V
C2	UA652390	C.MYLAR	390pF	50V
C3	UA652220	C.MYLAR	220pF	50V
C4	UA652220	C.MYLAR	220pF	50V
C5	UA652470	C.MYLAR	470pF	50V
C6	UA652470	C.MYLAR	470pF	50V
C7	VF760000	C.EL	100uF	10V
C8	VF760000	C.EL	100uF	10V
C9	VS213000	C.MYLAR	8200pF	50V
C10	VS213000	C.MYLAR	8200pF	50V
C11	VS213200	C.MYLAR	0.012uF	50V
C12	VS213200	C.MYLAR	0.012uF	50V
C13	UM416470	C.EL	4.7uF	50V
C14	UM416470	C.EL	4.7uF	50V
C15	VF964800	C.EL	100uF	16V
C16	VF964800	C.EL	100uF	16V
C19	UM417100	C.EL	10uF	50V
C20	UM417100	C.EL	10uF	50V
C21	VJ839100	C.EL	1uF	50V
C22	VJ839100	C.EL	1uF	50V
C23	VF467300	C.CE.TUBLR	0.01uF	16V
C24	VF467300	C.CE.TUBLR	0.01uF	16V
C25	UM416470	C.EL	4.7uF	50V
C26	UM416470	C.EL	4.7uF	50V
C27	UJ648220	C.EL	220uF	25V
C28	UM407220	C.EL	22uF	25V
C29	UM417100	C.EL	10uF	50V
C30	UJ648220	C.EL	220uF	25V
C31	VJ839100	C.EL	1uF	50V
C32	VJ839100	C.EL	1uF	50V
C33	VJ839100	C.EL	1uF	50V
C34	VJ839100	C.EL	1uF	50V
C35	VS212500	C.MYLAR	2200pF	50V
C36	VS212500	C.MYLAR	2200pF	50V
C37	VS212500	C.MYLAR	2200pF	50V
C38	VS212500	C.MYLAR	2200pF	50V
C39	VS212500	C.MYLAR	2200pF	50V
C40	VS212500	C.MYLAR	2200pF	50V
C41	UM215100	C.EL	0.1uF	50V
C42	UM215100	C.EL	0.1uF	50V
C43	UM215100	C.EL	0.1uF	50V
C44	UM215100	C.EL	0.1uF	50V
C45	UJ648100	C.EL	100uF	25V

*New Parts

KXW-S75

Schm Ref.	PART NO.	Description		
C46	VJ839100	C.EL	1uF	50V
C47	UM417100	C.EL	10uF	50V
C48	UM417100	C.EL	10uF	50V
C49	UM417100	C.EL	10uF	50V
C50	UM417100	C.EL	10uF	50V
C51	UA653150	C.MYLAR	1500pF	50V
C52	UA653150	C.MYLAR	1500pF	50V
C53	UJ865680	C.EL	0.68uF	50V
C54	UJ865680	C.EL	0.68uF	50V
C55	UA653180	C.MYLAR	1800pF	50V
C56	UA653180	C.MYLAR	1800pF	50V
C57	UM416470	C.EL	4.7uF	50V
C58	UM416470	C.EL	4.7uF	50V
C59	VJ839000	C.EL	0.47uF	50V
C60	VJ839000	C.EL	0.47uF	50V
C61	UJ648100	C.EL	100uF	25V
C62	UM417100	C.EL	10uF	50V
C63	UM416470	C.EL	4.7uF	50V
C64	UM416470	C.EL	4.7uF	50V
C65	VG278600	C.CE.TUBLR	330pF	50V
C66	VG278600	C.CE.TUBLR	330pF	50V
C67	VF467300	C.CE.TUBLR	0.01uF	16V
C68	VJ839100	C.EL	1uF	50V
C69	VJ839100	C.EL	1uF	50V
C70	VF467300	C.CE.TUBLR	0.01uF	16V
C72	VJ839100	C.EL	1uF	50V
C73	VS204800	C.PP	100pF	100V
C74	VS204800	C.PP	100pF	100V
C75	UT653820	C.PP	8200pF	100V
C76	UA253100	C.MYLAR	1000pF	50V
C77	UA653560	C.MYLAR	5600pF	50V
C78	UJ667470	C.EL	47uF	50V
C79	VF467300	C.CE.TUBLR	0.01uF	16V
C80	UJ667470	C.EL	47uF	50V
C81	VJ839200	C.EL	2.2uF	50V
C82	UG444100	C.CE	0.01uF	50V
C83	VF606700	C.EL	1000uF	25V
C84	UJ667470	C.EL	47uF	50V
C85	UM417100	C.EL	10uF	50V
C86	UJ749470	C.EL	4700uF	25V
C87	UM417100	C.EL	10uF	50V
C88	UM417100	C.EL	10uF	50V
C89	UM417100	C.EL	10uF	50V
C90	UJ865150	C.EL	0.15uF	50V
C91	VF467300	C.CE.TUBLR	0.01uF	16V
C92	VF466800	C.CE.TUBLR	100pF	50V
C93	VF466800	C.CE.TUBLR	100pF	50V
C94	VF466800	C.CE.TUBLR	100pF	50V
C95	VF466800	C.CE.TUBLR	100pF	50V
C96	VF466800	C.CE.TUBLR	100pF	50V
C97	VF466800	C.CE.TUBLR	100pF	50V
C98	VF466800	C.CE.TUBLR	100pF	50V
C99	VF466800	C.CE.TUBLR	100pF	50V

*New Parts

Schm Ref.	PART NO.	Description	
C100	VF467300	C.CE.TUBLR	0.01uF 16V
C101	VF467000	C.CE.TUBLR	1000pF 50V
C102	VF467000	C.CE.TUBLR	1000pF 50V
⚠ D1	VN011300	DIODE.BRG	D3SBA20 4A 200V
D6	VM975700	DIODE.ZENR	HZS12C2TD 12V
D7	VD631600	DIODE	1SS133,176,HSS104
D8	VD631600	DIODE	1SS133,176,HSS104
D9	VD631600	DIODE	1SS133,176,HSS104
D10	VD631600	DIODE	1SS133,176,HSS104
D11	VD631600	DIODE	1SS133,176,HSS104
D12	VD631600	DIODE	1SS133,176,HSS104
D13	VD631600	DIODE	1SS133,176,HSS104
D14	VD631600	DIODE	1SS133,176,HSS104
D15	VD631600	DIODE	1SS133,176,HSS104
D16	VD631600	DIODE	1SS133,176,HSS104
D17	VD631600	DIODE	1SS133,176,HSS104
D18	VD631600	DIODE	1SS133,176,HSS104
D19	VD631600	DIODE	1SS133,176,HSS104
⚠ D20	VQ379300	DIODE.BRG	S1VB20 1.0A 200V
D101	VD631600	DIODE	1SS133,176,HSS104
D102	VD631600	DIODE	1SS133,176,HSS104
D103	VD631600	DIODE	1SS133,176,HSS104
D201	VR711500	LED(or)	SLR-325DC
D202	VR711500	LED(or)	SLR-325DC
D203	VR711500	LED(or)	SLR-325DC
D204	VR711500	LED(or)	SLR-325DC
D205	VR711500	LED(or)	SLR-325DC
D206	VS132300	LED(re)	SLR-325VCT31
D207	VS132300	LED(re)	SLR-325VCT31
D208	VS132300	LED(re)	SLR-325VCT31
Fi1	VP916900	COIL.BIAS	105KHz
Fi2	VP916900	COIL.BIAS	105KHz
Fi3	GE900780	COIL.BIAS	105KHz
Fi4	GE900780	COIL.BIAS	105KHz
IC1	XD864A00	IC	uPC1330HA
IC2	XF870A00	IC	LA3246
IC3	XL988A00	IC	BA3312N
IC4	XH741A00	IC	HA12142NT
IC5	XK202A00	IC	CXA1578P
⚠ IC7	XJ608A00	IC	NJM7812FA
⚠ IC8	XJ604A00	IC	NJM78M05FA
IC9	XQ813A00	IC	LC65204A-4F65
IC10	XM922A00	IC	NJM4558L
L1	VP916800	COIL.BIAS	
Q1	VD678700	TR.DGT	DTC114ES
Q2	VD678700	TR.DGT	DTC114ES
Q3	VG722000	TR.DGT	DTC144ES
Q4	VG722000	TR.DGT	DTC144ES
Q5	iC287820	TR	2SC2878 A,B
Q6	iC287820	TR	2SC2878 A,B
Q7	VG722000	TR.DGT	DTC144ES
Q8	VD678700	TR.DGT	DTC114ES
Q9	VD678500	TR.DGT	DTA114ES

*New Parts

KXW-S75

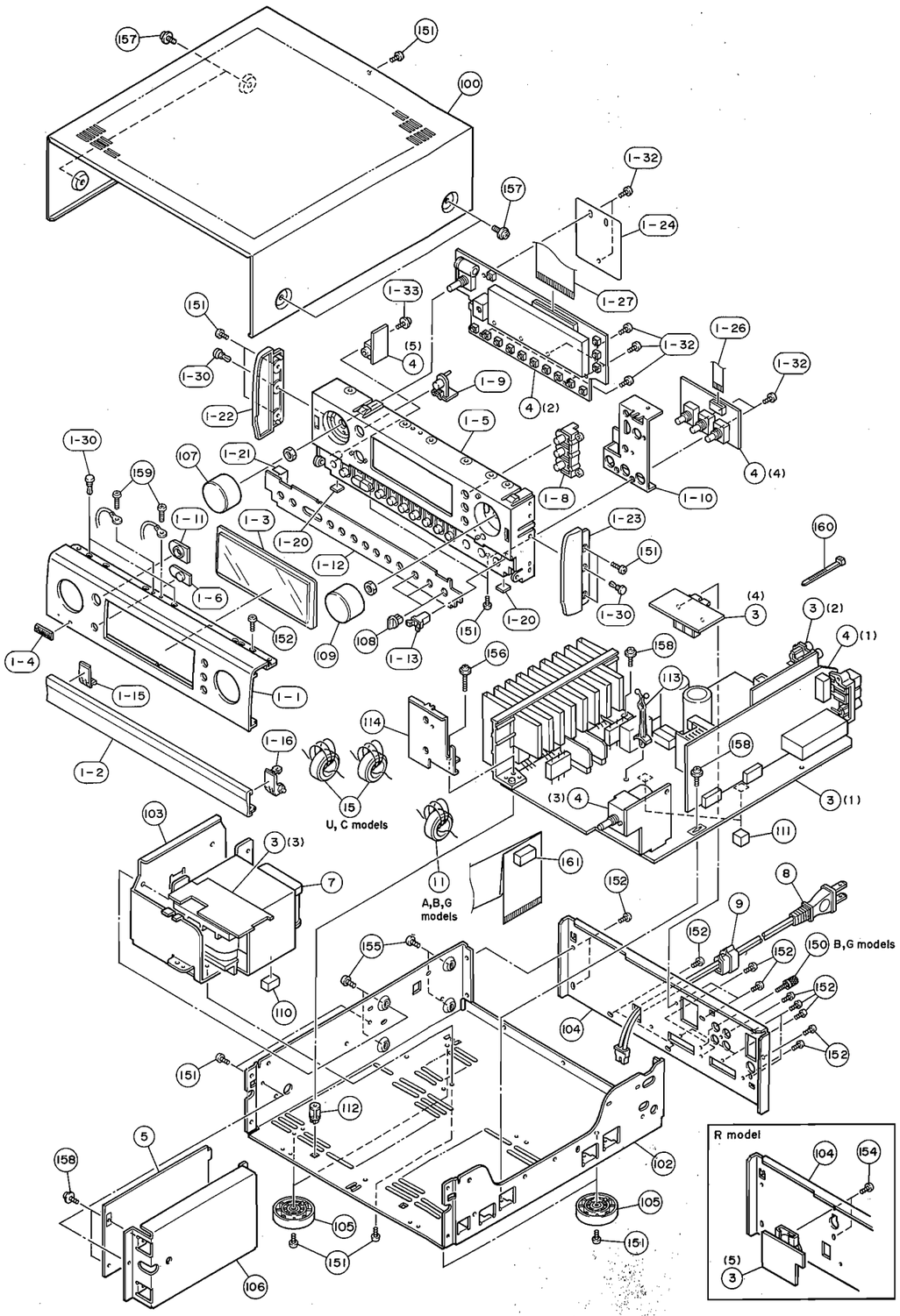
Schm Ref.	PART NO.	Description		
Q10	VD678700	TR.DGT	DTC114ES	
Q11	VD678700	TR.DGT	DTC114ES	
Q12	VD678700	TR.DGT	DTC114ES	
Q13	iC174020	TR	2SC1740S R,S	
Q14	VG722000	TR.DGT	DTC144ES	
Q15	VG722000	TR.DGT	DTC144ES	
⚠ Q16	VE613400	TR	2SD1858 Q,R	
Q17	iC174020	TR	2SC1740S R,S	
Q18	VD678700	TR.DGT	DTC114ES	
⚠ Q19	VN996900	TR	2SC4495	
Q20	VD488500	TR.DGT	DTC143XS	
Q21	VD678500	TR.DGT	DTA114ES	
Q22	VD678500	TR.DGT	DTA114ES	
Q23	VD678500	TR.DGT	DTA114ES	
Q24	VD678700	TR.DGT	DTC114ES	
Q25	iA093320	TR	2SA933S Q,R	
Q26	iA093320	TR	2SA933S Q,R	
Q27	VD678700	TR.DGT	DTC114ES	
Q28	VD678700	TR.DGT	DTC114ES	
Q29	VE613300	TR	2SB1237 Q,R	
Q30	VE613300	TR	2SB1237 Q,R	
Q31	VD678700	TR.DGT	DTC114ES	
Q32	VD678700	TR.DGT	DTC114ES	
Q33	VE613300	TR	2SB1237 Q,R	
Q34	VE613300	TR	2SB1237 Q,R	
Q35	VD678700	TR.DGT	DTC114ES	
Q101	VG722000	TR.DGT	DTC144ES	
Q102	VG722000	TR.DGT	DTC144ES	
Q103	VD678500	TR.DGT	DTA114ES	
⚠ R84	HV453470	R.CAR.FP	4.7Ω	1/4W
⚠ R91	VK186600	R.FUS	10Ω	1/4W
⚠ R92	VE009700	R.FUS	4.7Ω	1/4W
SW201	VG392900	SW.TACT	SKHVAA	
SW202	VG392900	SW.TACT	SKHVAA	
SW203	VG392900	SW.TACT	SKHVAA	
SW204	VG392900	SW.TACT	SKHVAA	
SW205	VG392900	SW.TACT	SKHVAA	
SW206	VG392900	SW.TACT	SKHVAA	
SW207	VG392900	SW.TACT	SKHVAA	
SW208	VG392900	SW.TACT	SKHVAA	
SW210	VG392900	SW.TACT	SKHVAA	
SW211	VG392900	SW.TACT	SKHVAA	
SW212	VP907400	SW.SLIDE	SSSU-113	
SW213	VP907400	SW.SLIDE	SSSU-113	
TP3	VL448600	JUMPER.TST		
VR1	VJ693600	VR.TRIM	B10KΩ	
VR2	VJ693600	VR.TRIM	B10KΩ	
VR3	VJ693600	VR.TRIM	B10KΩ	
VR4	VJ693600	VR.TRIM	B10KΩ	
VR5	VJ694200	VR.TRIM	B100KΩ	
VR6	VJ694200	VR.TRIM	B100KΩ	
VR7	VJ693400	VR.TRIM	B4.7KΩ	
VR8	VJ693400	VR.TRIM	B4.7KΩ	

*New Parts

Schm Ref.	PART NO.	Description	
VR9	VJ693500	VR.TRIM	B6.8KΩ
VR10	VJ693500	VR.TRIM	B6.8KΩ
XL1	VB759100	RSNR.CE	4MHz
	VB966900	CN	IMSA-6024
	VR264300	PLATE.GND	
	VN126800	HEAT.SINK	UOT-16C25-MP

*New Parts

■ RX-S75 EXPLODED VIEW



■ RX-S75 MECHANICAL PARTS

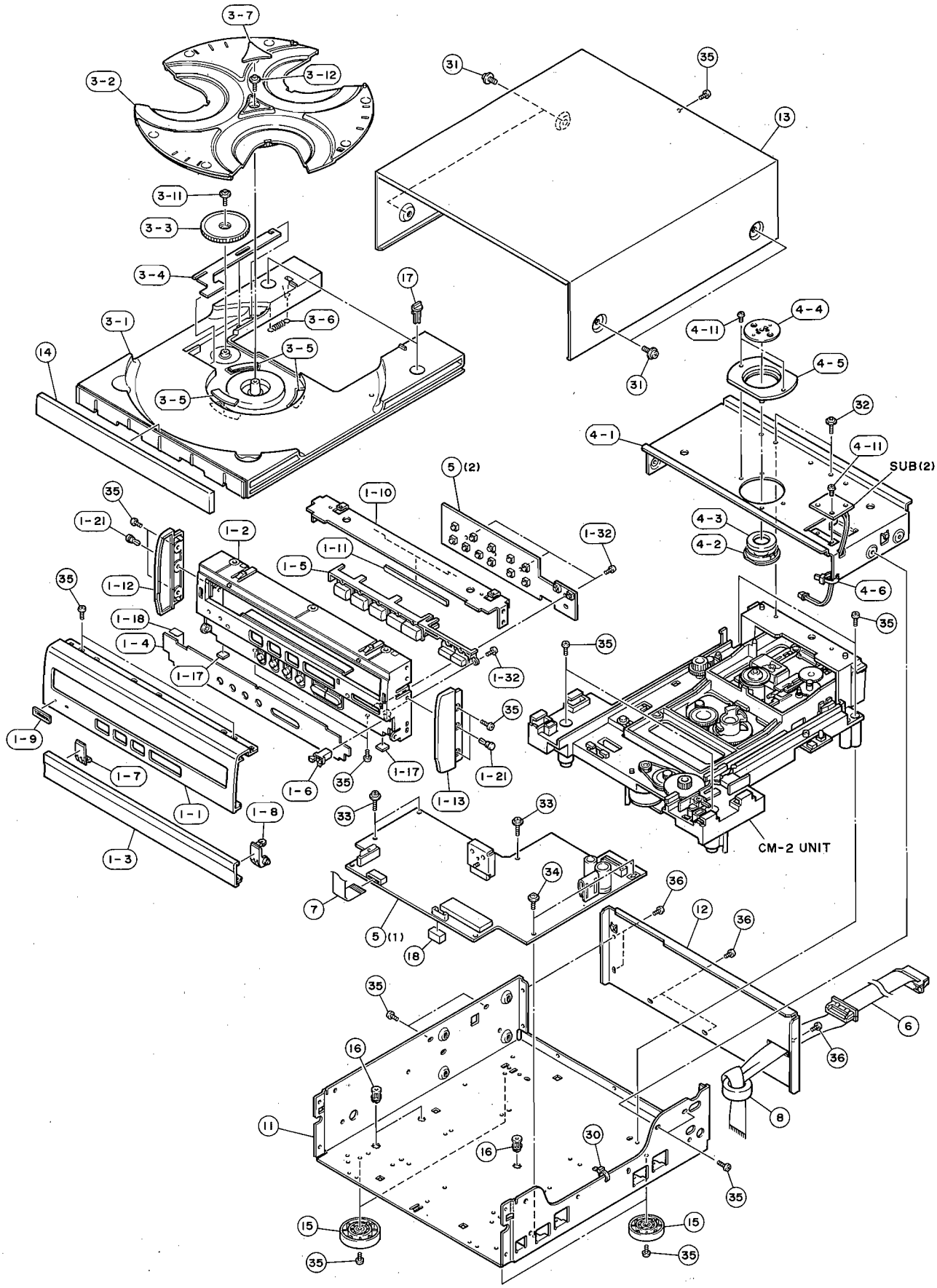
Ref. No.	PART NO.	Description		Remarks	Markets
1- 1	VT135500	FRONT PANEL			(UCRAL)
1- 1	VT135600	FRONT PANEL			(BG)
1- 2	VP983200	LID PANEL			
1- 3	VT136200	WINDOW PANEL			
1- 4	VT136500	EMBLEM	22x6.5		
1- 5	VT147100	SUB PANEL			
1- 6	VT136400	LENS, FILTER			
1- 8	VT136000	BUTTON	3P		
1- 9	VT136100	BUTTON	1P		
1-10	VT135400	FRAME, VOL			
1-11	VT136300	ESCUTCHEON			
1-12	VR308200	PLATE, SP			
1-13	VQ518800	LATCH	No.4U44		
1-15	VP984600	HINGE L			
1-16	VP984700	HINGE R			
1-20	VQ597200	CUSHION, LID			
1-21	VQ597700	TAPE, GROUND	FM8100		
1-22	VP984200	PLATE, SIDE L			
1-23	VP984300	PLATE, SIDE R			
1-24	VT487900	SHEET, PROTECTOR			
1-26	VQ357300	CONNECTOR, FLAT CABLE	10P 100mm		
1-27	VT451100	CONNECTOR, FLAT CABLE	40P 280mm		
1-30	VQ368600	PUSH RIVET	P3555-B		
1-32	VF617600	PAN HEAD P-TITE SCREW	2.6x8 FCRM3-BL		
1-33	VA775100	PW HEAD P-TITE SCREW	3x8-10 FCRM3-BL		
3	VT427200	P.C.B. ASS'Y	MAIN		(UC)
3	VT427400	P.C.B. ASS'Y	MAIN		(R)
3	VT427500	P.C.B. ASS'Y	MAIN		(A)
3	VT427600	P.C.B. ASS'Y	MAIN		(BG)
3	VT427700	P.C.B. ASS'Y	MAIN		(L)
4	VT427900	P.C.B. ASS'Y	SUB		(UC)
4	VT428000	P.C.B. ASS'Y	SUB		(R)
4	VT428100	P.C.B. ASS'Y	SUB		(A)
4	VT429000	P.C.B. ASS'Y	SUB		(BG)
4	VT598900	P.C.B. ASS'Y	SUB		(L)
5	VQ978900	P.C.B. ASS'Y	DSP		(UCRAL)
⚠ 7	XQ472A00	POWER TRANSFORMER			(UC)
⚠ 7	XQ473A00	POWER TRANSFORMER			(R)
⚠ 7	XQ474A00	POWER TRANSFORMER			(A)
⚠ 7	XQ475A00	POWER TRANSFORMER			(BGL)
⚠ 7	XR037A00	POWER TRANSFORMER			(C)
⚠ 8	VQ508500	POWER CORD ASS'Y			(R)
⚠ 8	VQ508600	POWER CORD ASS'Y			(A)
⚠ 8	VS168300	POWER CORD ASS'Y			(UC)
⚠ 8	VS168400	POWER CORD ASS'Y			(G)
⚠ 8	VS680700	POWER CORD ASS'Y			(B)
9	VN158600	CORD STOPPER	No.2104		
11	VB933800	FERRITE CORE	BP53RB310190N0A		(RABG)
15	Vi491100	FERRITE CORE	BP53RB19012080M		(UC)
100	VP982100	TOP COVER			
102	VP982800	CHASSIS			
103	VP982200	FRAME, TRANSFORMER			
104	VT134900	REAR PANEL			(UC)

*New Parts

Ref. No.	PART NO.	Description			Remarks	Markets
104	VT135000	REAR PANEL				(R)
104	VT135100	REAR PANEL				(A)
104	VT135200	REAR PANEL				(G)
104	VT135300	REAR PANEL				(L)
104	VT318000	REAR PANEL				(B)
105	VP984800	LEG	D41xH12.5			
106	VQ917900	FRAME, DSP				(UCRAL)
107	VT274400	KNOB	D32/S			
108	VP985100	KNOB	D11			
109	VT274500	KNOB	D32/S/P			
110	VQ390100	DAMPER	8x8x15			
111	VQ366100	DAMPER, PCB				
112	Vi048500	SUPPORT, P.C.B.				
113	VQ406700	WIRE CRAMP	PCW-505			(UCRAL)
114	VR018300	FRAME, PROTECTOR				
150	AA627310	GROUND TERMINAL				(BG)
151	Ei330086	BIND HEAD B-TITE SCREW	3x8	FCRM3-BL		
152	EN301010	BIND HEAD BONDING TAP. SCREW	3x8	FCRM3-BL		
154	ED330066	BIND HEAD SCREW	3x6	FCRM3-BL		(R)
155	Ei340086	BIND HEAD TAPPING SCREW	4x8	FCRM3-BL		
156	EX602560	PW HEAD P-TITE SCREW	3x20-8	FCRM3-BL		
157	EX601150	BW HEAD S-TITE SCREW	4x8-10	FNM3-BL		
158	VT669300	SCREW+PWH BT	3x8-8	MFC2		
159	EP600530	BIND HEAD S-TITE SCREW	3x8	ZMC2-BL		
160	CB069250	BINDING TIE	BK-1			
161	VT593600	CUSHION	8x10x20			
		ACCESSORIES				
200	VT202700	REMOTE CONTROL TRANSMITTER				(UCRAL)
200	VT202800	REMOTE CONTROL TRANSMITTER				(BG)
200-1	CX674370	LID	54x32.9N3ALPS			
207	VQ147100	ANTENNA, FM	1P 1.4m			
208	VR248500	ANTENNA, AM LOOP	1P 1.0m			
209	VH214900	BATTERY, MANGANESE	SUM-3, AA, R06			

* New Parts

■ CDC-S75 EXPLODED VIEW

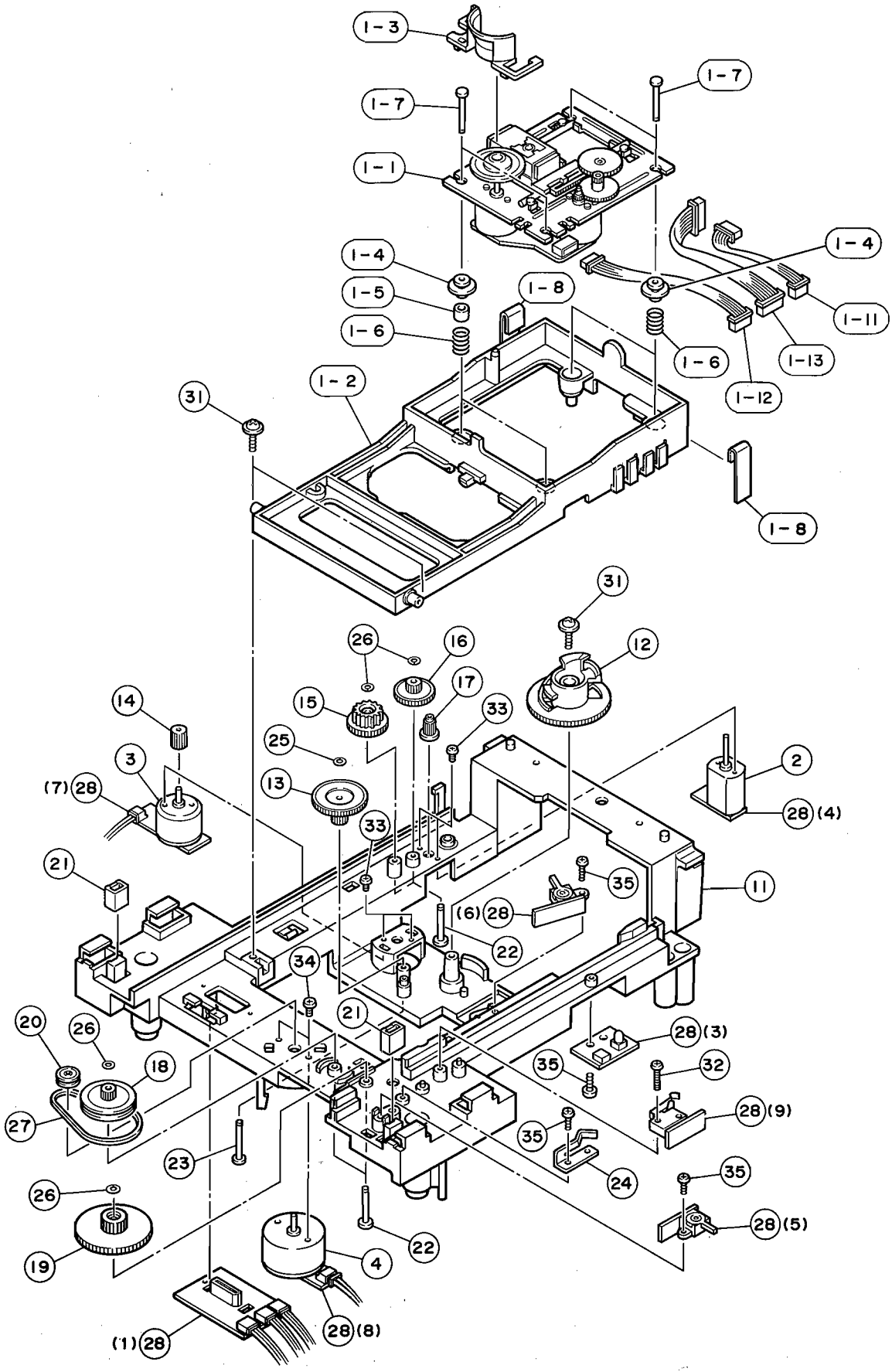


■ CDC-S75 MECHANICAL PARTS

	Ref. No.	PART NO.	Description	Remarks	Markets
*	1- 1	VT147800	FRONT PANEL		
	1- 2	VP985600	SUB PANEL		
	1- 3	VP983200	LID PANEL		
	1- 4	VP985800	PLATE, SP		
	1- 5	VP985700	BUTTON OP		
	1- 6	VQ518800	LATCH No.4U44		
	1- 7	VP984600	HINGE L		
	1- 8	VP984700	HINGE R		
*	1- 9	VT136500	EMBLEM 22x6.5		
	1-10	VQ103800	FRAME, STOPPER		
	1-11	VQ103900	PAD 15x88		
	1-12	VP984200	PLATE, SIDE L		
	1-13	VP984300	PLATE, SIDE R		
	1-17	VQ597200	CUSHION, LID		
	1-18	VQ786400	TAPE, GROUND FM8100		
	1-21	VQ368600	PUSH RIVET P3555-B		
	1-32	EX600310	BIND HEAD P-TITE SCREW 3x8 FCRM3-BL		
	3- 1	VP628700	TRAY		
	3- 2	VP628800	TABLE		
	3- 3	VP628000	GEAR, RT1		
	3- 4	VP629000	LEVER, RT		
	3- 5	VP628900	CUSHION, TABLE		
	3- 6	VP629200	SPRING, D4E TE		
	3- 7	VP892700	SHEET, TABLE		
	3-11	VA775100	PW HEAD P-TITE SCREW 3x8-10 FCRM3-BL		
	3-12	EX602620	PW HEAD P-TITE SCREW 3x12-10 ZMC2-Y		
	4- 1	VP629100	FRAME STAB.		
	4- 2	VL782500	STABILIZER		
	4- 3	VQ930900	MAGNET DH29.6x18x3.6FMS		
	4- 4	VS500400	PLATE STABILIZER		
	4- 5	VL382300	HOLDER STABILIZER		
	4- 6	CB069250	BINDING TIE BK-1		
	4-11	EP600760	BIND HEAD S-TITE SCREW 3x6 FCRM3-BL		
*	5	VT428300	P.C.B. ASS'Y MAIN		
	6	VQ369900	REAR CONNECTOR ASS'Y 15P 690mm		
	7	VQ389400	CONNECTOR, FLAT CABLE 12P 130mm		
	8	VB933800	FERRITE CORE BP53RB310190NOA		
	11	VP982700	CHASSIS		
*	12	VT146900	REAR PANEL		
	13	VP981900	TOP COVER	TI	
	14	VP662900	LID T		
	15	VP984800	LEG D41xH12.5		
	16	CB652990	SUPPORT, P.C.B. No.5420		
	17	VG414400	STOPPER TRAY		
	18	VQ390100	DAMPER 8x8x15		
	30	CB069250	BINDING TIE BK-1		
	31	EX601150	BW HEAD S-TITE SCREW 4x8-10 FNM3-BL	TI	
	32	EX602620	PW HEAD P-TITE SCREW 3x12-10 ZMC2-Y		
	33	VQ400000	BW HEAD P-TITE SCREW 3x14-8 FCRM3-BL		
*	34	VT669300	SCREW+PWH BT 3x8-8 MFC2		
	35	Ei330086	BIND HEAD B-TITE SCREW 3x8 FCRM3-BL		
	36	EN301010	BIND HEAD BONDING TAP. SCREW 3x8 FCRM3-BL		

*New Parts

■ EXPLODED VIEW (CM-2 Unit)

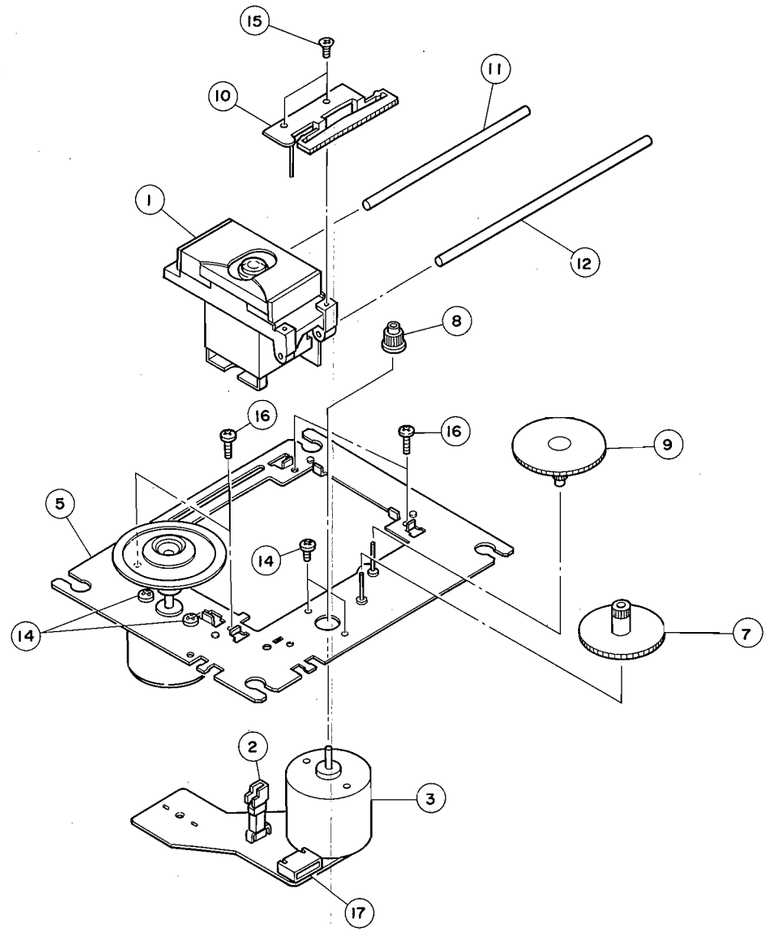


■ MECHANICAL PARTS (CM-2 Unit)

Ref. No.	PART NO.	Description		Remarks	Markets
1- 1	VM444300	PU MECHA. UNIT	CD90V1YA		
1- 2	VL242100	HOLDER	PU		
1- 3	VP660500	BARRIER	PU		
1- 4	VQ775600	DAMPER, BUSH			
1- 5	VQ775700	CUSHION, DAMPER			
1- 6	VQ386500	SPRING			
1- 7	VQ775400	PIN	#2		
1- 8	VS936900	DAMPER	2x10x30		
1-11	VQ380000	CONNECTOR ASS'Y	5P 240mm		
1-12	VQ380100	CONNECTOR ASS'Y	6P 110mm		
1-13	VQ380200	CONNECTOR ASS'Y	8P 240mm		
2	VL138500	MOTOR	DC FF-130SH-11340		
3	VM444100	MOTOR	RF-320CH-12400		
4	VM444200	MOTOR	RF-500TB-14415		
11	VP628600	CHASSIS, CM			
12	VL241900	CAM	CM		
13	VP627800	GEAR, CAM			
14	VP627900	GEAR, CL			
15	VP628100	GEAR, RT2			
16	VP628200	GEAR, RT3			
17	VJ598300	GEAR, PULLEY			
18	VJ612900	GEAR, PULLEY			
19	VJ613000	GEAR	LO/CM		
20	VG254500	PULLEY	S		
21	VQ775500	DAMPER, TRAY			
22	VQ775300	PIN	D3		
23	VQ775400	PIN	#2		
24	VQ775100	LEVER			
25	VR444500	WASHER	1.5x4-0.25		
26	Vi907700	CUT WASHER	2.2x5x0.25		
27	VQ776900	BELT	V		
28	VQ350500	P.C.B. ASS'Y	SUB		
31	EX602620	PW HEAD P-TITE SCREW	3x12-10 ZMC2-Y		
32	VR460800	BIND HEAD P-TITE SCREW	2x12 ZMC2-BL		
33	ED320046	BIND HEAD SCREW	2x4 FCRM3-BL		
34	ED326056	BIND HEAD SCREW	2.6x5 ZMC2-BL		
35	EX601590	BIND HEAD P-TITE SCREW	2.6x8 FCRM3-BL		

* New Parts

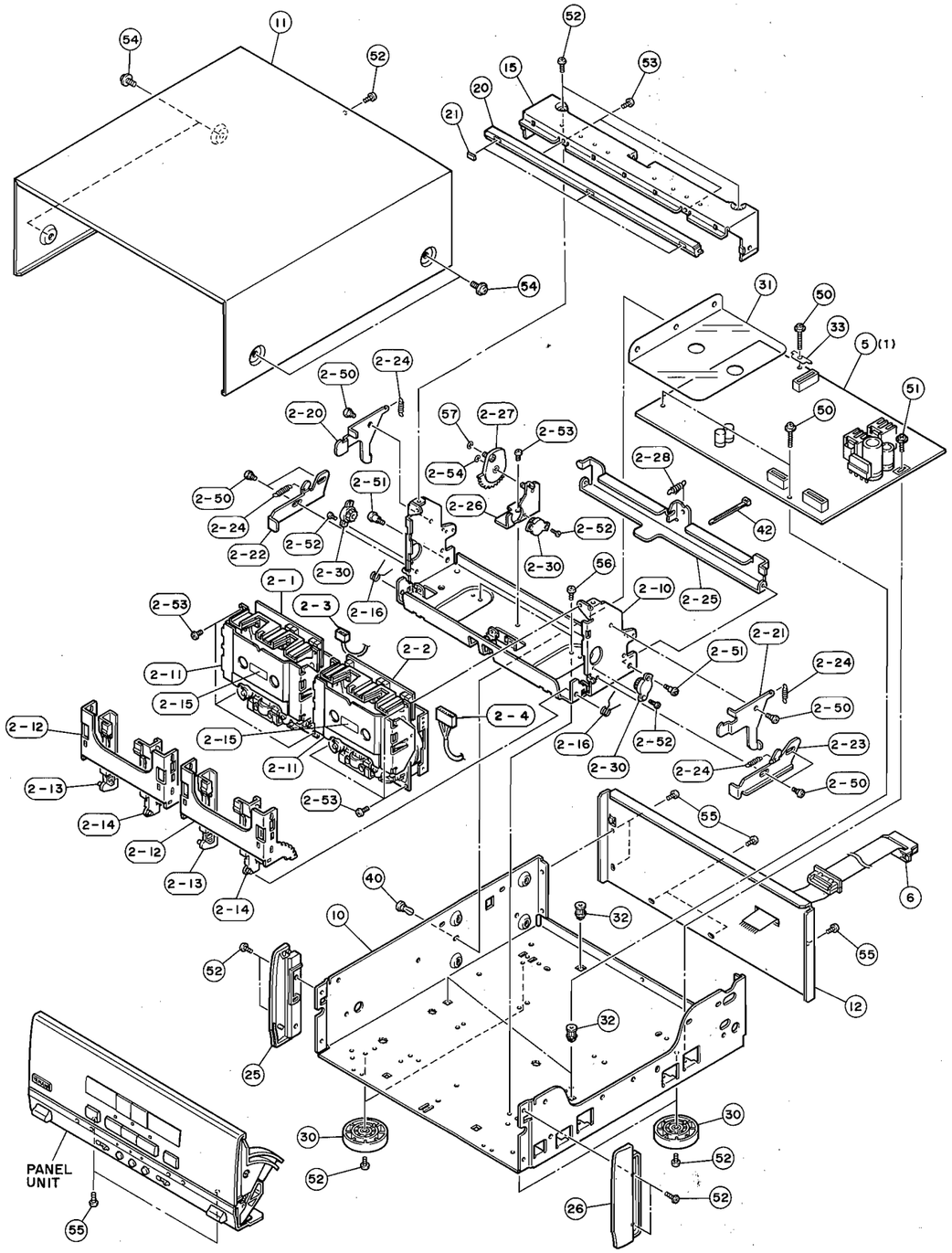
■ EXPLODED VIEW (PU Mecha. Unit)



Ref. No.	PART NO.	Description		Remarks	Markets
	VM444300	PU MECHA. UNIT	CD90V1YA		
1	PX601520	PICK UP ASS'y	SF-91P	1EA0A41A03100	
2	KX603540	LIMIT SWITCH		1EA4S13A00800	
3	JX601050	MOTOR		1EA4M10A02100	
5	NX611200	CHASSIS ASS'y		1EA0311A02900	
7	CX618680	GEAR, MIDDLE		1EA2511A06300	
8	CX618690	GEAR, MOTOR		1EA2511A06400	
9	CX618700	GEAR, POWER		1EA2511A06500	
10	AX615020	PLATE, RACK		1EA2731A01400	
11	AX615030	GUIDE BAR		1EA2362A00400	
12	AX615040	GUIDE BAR		1EA2362A00500	
14	EX602300	PAN HEAD SCREW	1.7x2.5 ZMC2-Y	SE3PN172R5SE	
15	EB020056	FLAT HEAD SCREW	2x5 ZMC2-Y	SE1FN205R0SE	
16	EX602310	SPECIAL SCREW		SFXEA01800	
17	LX606800	CONNECTOR	6P	42369750000	

* New Parts

■ KXW-S75 EXPLODED VIEW

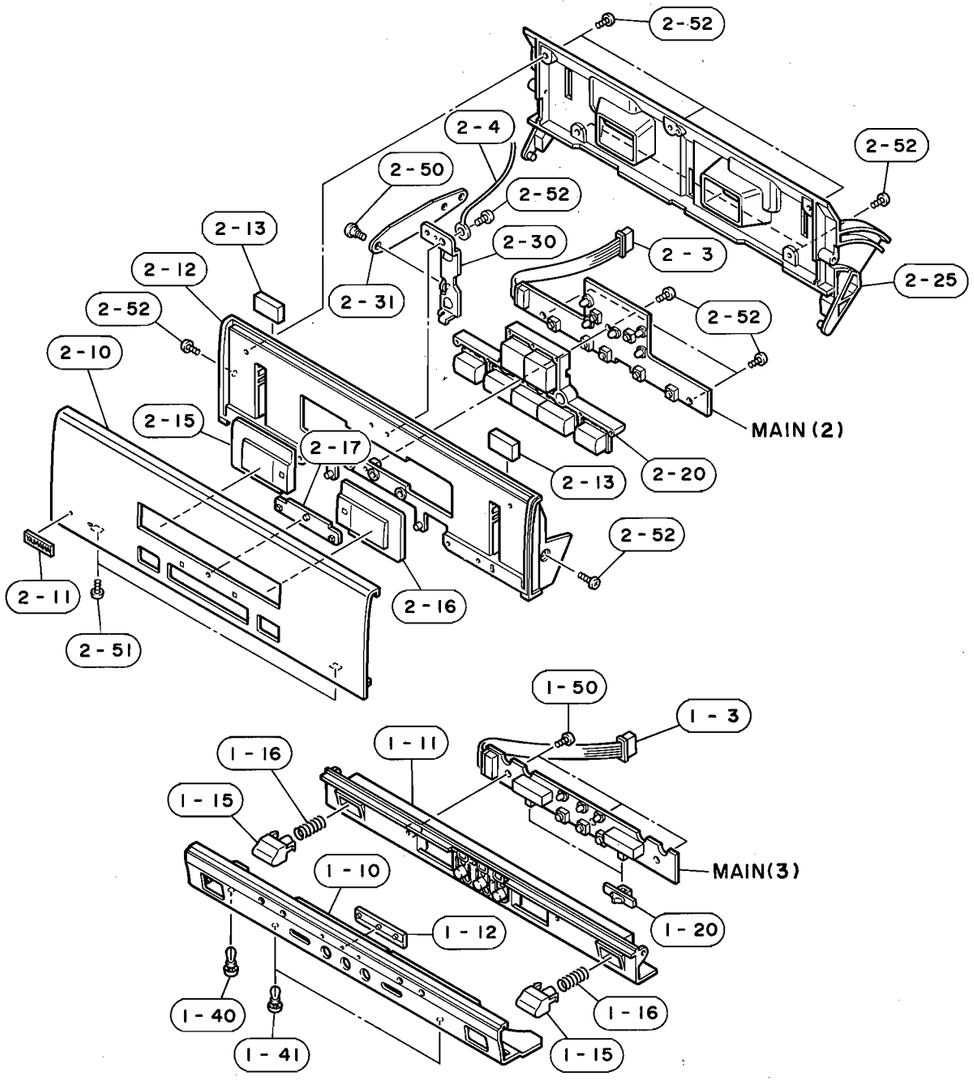


■ KXW-S75 MECHANICAL PARTS

	Ref. No.	PART NO.	Description		Remarks	Markets
	2- 1	VT431900	CASSETTE MECHANISM	CRF4144:PB		
	2- 2	VT432000	CASSETTE MECHANISM	CRF4143:R/P		
*	2- 3	VQ339800	CONNECTOR ASS'Y	3P 270mm		
*	2- 4	VQ340500	CONNECTOR ASS'Y	7P 270mm		
	2-10	VP991000	CHASSIS, MECHANISM			
	2-11	VP990600	BACK PLATE			
	2-12	VP990400	FRAME, HOUSING			
	2-13	VP990100	CASSETTE GUIDE L			
	2-14	VP990200	CASSETTE GUIDE R			
	2-15	VQ146900	LABEL B.P			
	2-16	VQ007100	SPRING	D5.9T		
	2-20	VP989500	LOCK LEVER L			
	2-21	VP989700	LOCK LEVER R			
	2-22	VP989900	SLIDE LEVER L			
	2-23	VP990000	SLIDE LEVER R			
	2-24	VQ006900	SPRING	D3.2E		
	2-25	VP990800	LEVER, CAM			
	2-26	VP991200	HOLDER, CAM ASS'Y			
	2-27	VP991100	CAM ASS'Y			
	2-28	VQ007000	SPRING	D4.5E		
	2-30	VQ354000	DAMPER, GEAR			
	2-50	VQ355900	SHOULDER SCREW	M3 D4x1.2		
	2-51	VQ355800	SHOULDER SCREW	M3 D4x4.2		
	2-52	EA020036	PAN HEAD SCREW	2x3 ZMC2-Y		
	2-53	EC030030	FLAT HEAD SCREW	3x6 MFZN2-BL		
	2-54	VQ355700	E-RING	D2.5		
*	5	VT428400	P.C.B. ASS'Y	MAIN		
	6	VQ370000	REAR CONNECTOR ASS'Y	14P 610mm		(UCRL)
	6	VR204500	REAR CONNECTOR ASS'Y	14P 610mm		(ABG)
	7	VB933800	FERRITE CORE	BP53RB310190NOA		(ABG)
	8	Vi491100	FERRITE CORE	BP53RB19012080M		(ABG)
	10	VP982700	CHASSIS			
	11	VP989200	TOP COVER			
*	12	VT146700	REAR PANEL			
	15	VP988900	FRAME, TOP			
	20	VP987800	SUB PANEL	TOP		
	21	VQ122400	CUSHION, TOP			
	25	VP988300	PLATE, SIDE L			
	26	VP988500	PLATE, SIDE R			
	30	VP984800	LEG	D41xH12.5		
	31	VQ122700	SHEET, PCB			
	32	Vi048500	SUPPORT, P.C.B.			
	33	VT668700	GROUND PLATE			
	40	VQ368500	PUSH RIVET	P3545-B		
	42	CB069250	BINDING TIE	BK-1		
	50	EX602560	PW HEAD P-TITE SCREW	3x20-8 FCRM3-BL		
*	51	VT669300	PW HEAD B-TITE SCREW	3x8-8 MFC2		
	52	Ei330086	BIND HEAD B-TITE SCREW	3x8 FCRM3-BL		
	53	EX600310	BIND HEAD P-TITE SCREW	3x8 FCRM3-BL		
	54	EX601150	BW HEAD S-TITE SCREW	4x8-10 FNM3-BL		
	55	EN301010	BIND HEAD BONDING TAP. SCREW	3x8 FCRM3-BL		
	56	EP600130	BIND HEAD B-TITE SCREW	3x6 ZMC2-Y		
	57	VQ355700	E-RING	D2.5		

*New Parts

■ EXPLODED VIEW (Panel Unit)



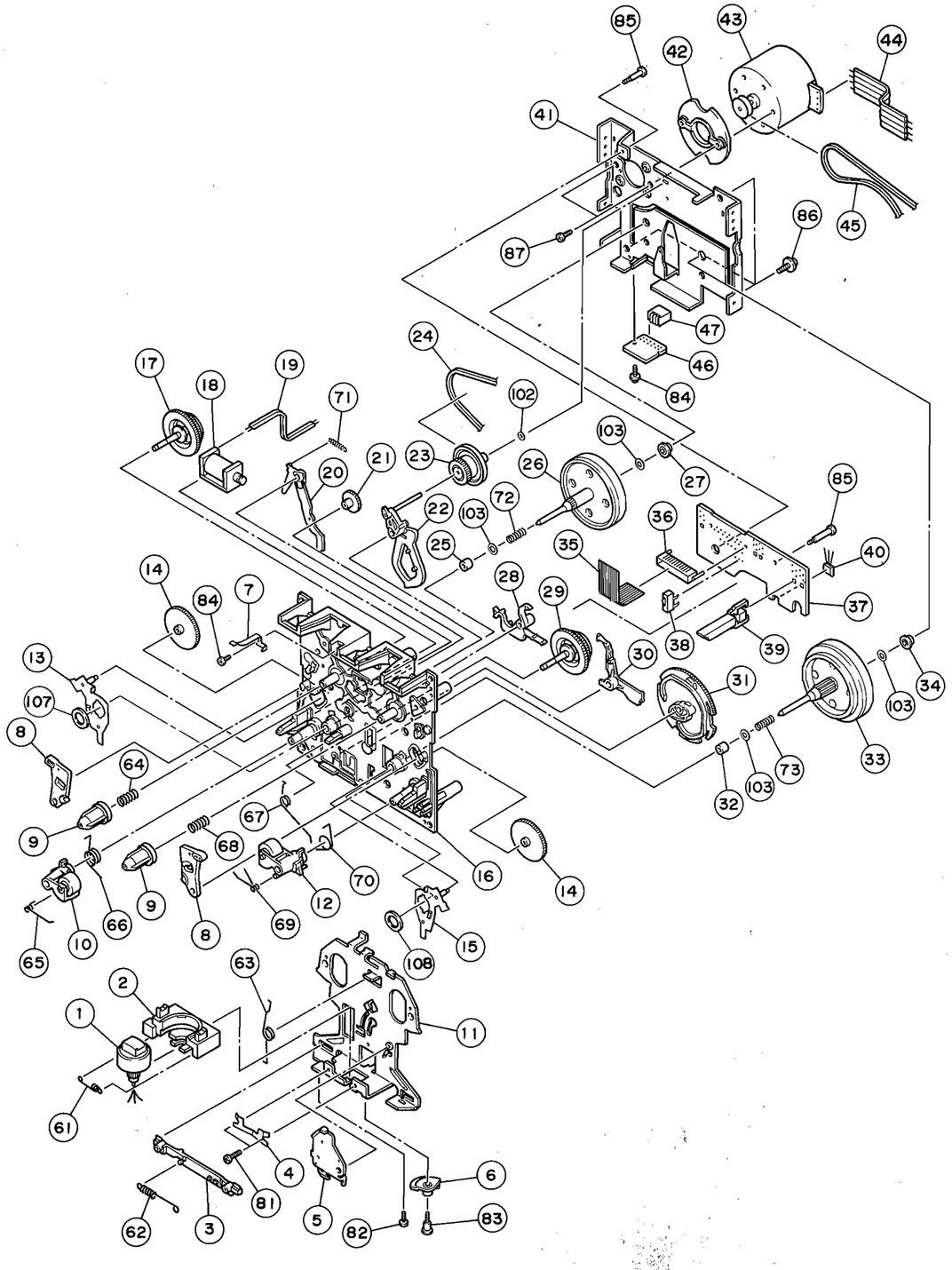
■ MECHANICAL PARTS (Panel Unit)

	Ref. No.	PART NO.	Description		Remarks	Markets
*	1- 3	VQ340400	CONNECTOR ASS'Y	8P 500mm		
	1-10	VP987900	FRONT PANEL			
	1-11	VP988000	SUB PANEL			
	1-12	VP987400	LENS	3-D1.9		
	1-15	VP987000	BUTTON	EJ		
	1-16	VQ122200	SPRING	D7.0C		
	1-20	VP985500	KNOB, SL			
	1-40	VQ368500	PUSH RIVET	P3545-B		
	1-41	VQ368600	PUSH RIVET	P3555-B		
	1-50	EX600310	BIND HEAD P-TITE SCREW	3x8 FCRM3-BL		
*	2- 3	VQ340200	CONNECTOR ASS'Y	7P 500mm		
	2- 4	VQ785300	RELIEF CONNECTOR ASS'Y	1P 250mm		
*	2-10	VT147900	LID PANEL			
*	2-11	VT136500	EMBLEM	22x6.5		
	2-12	VP988100	SUB PANEL	LID		
	2-13	VQ122300	PAD, LID			
	2-15	VP988700	WINDOW L			
	2-16	VP988800	WINDOW R			
	2-17	VP987300	LENS	S1.8		
	2-20	VP987200	BUTTON	OP		
	2-25	VP989100	COVER, LID			
	2-30	VP987700	HOLDER, LINK	LINK		
	2-31	VP987500	LINK			
	2-50	VQ355900	SHOULDER SCREW	M3 D4x1.2		
	2-51	VG893800	BIND HEAD P-TITE SCREW	2x6 ZMC2-BL		
	2-52	EX600310	BIND HEAD P-TITE SCREW	3x8 FCRM3-BL		

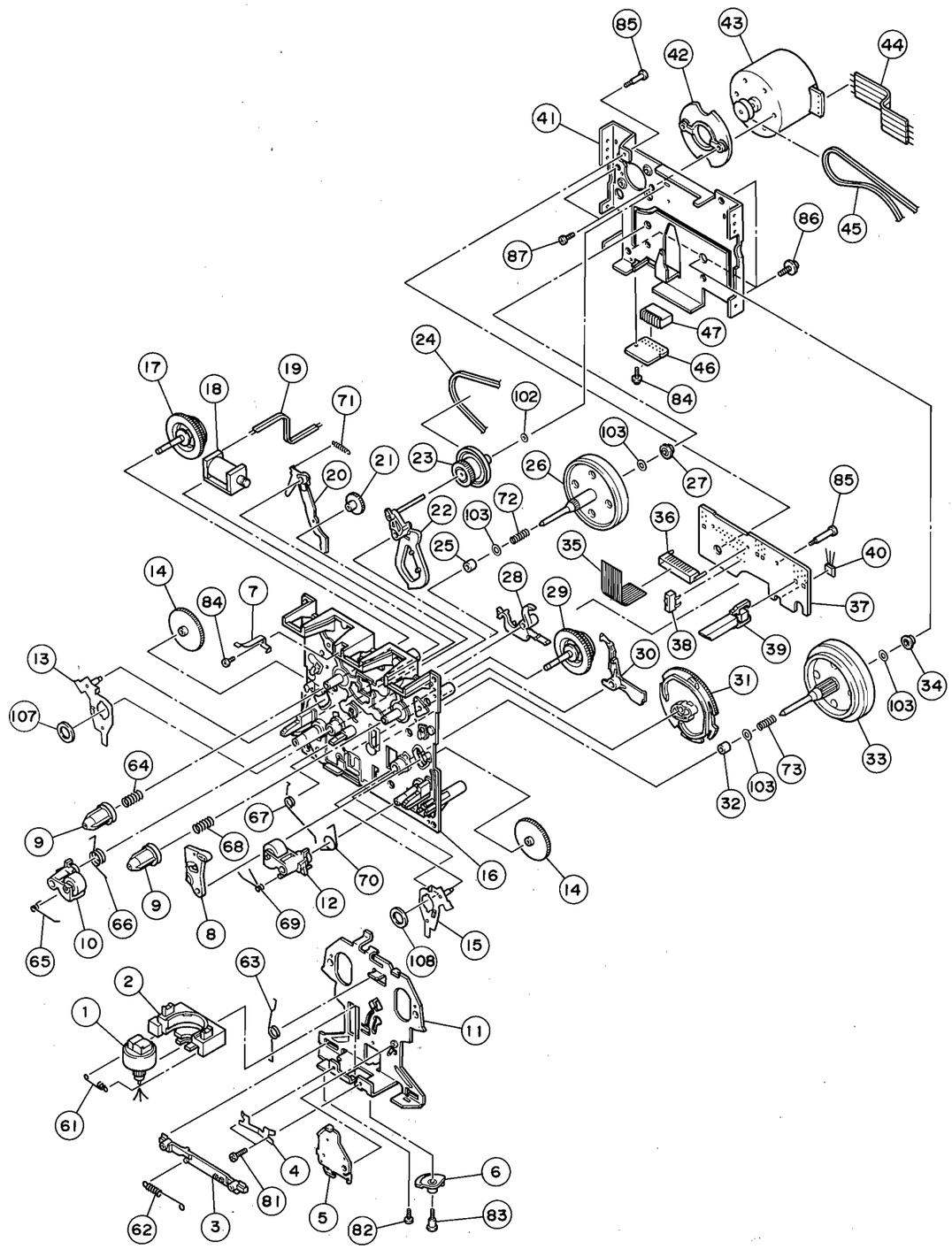
*New Parts

■ EXPLODED VIEW (Cassette Mechanism)

● DECK A (PB)



● DECK B (R/P)



■ MECHANICAL PARTS (Cassette Mechanism)

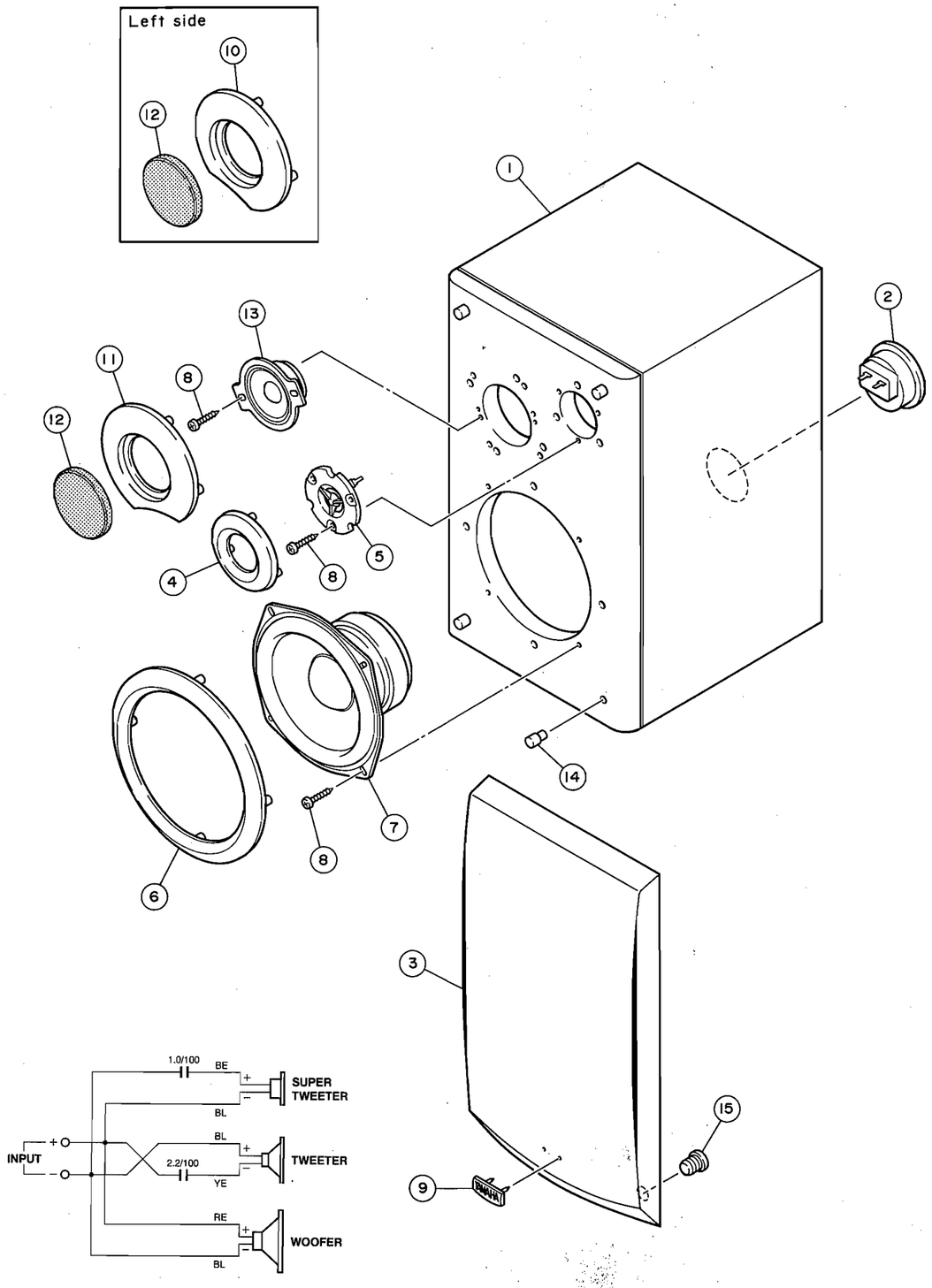
	Ref. No.	PART NO.	Description	Remarks	Markets
*		VT431900	CASSETTE MECHANISM CRF4144:PB	22-091-2659	
*		VT432000	CASSETTE MECHANISM CRF4143:R/P	22-091-2661	
	1	NX612160	HEAD HOLDER ASS'Y PB	220934067	
	1	NX612200	HEAD HOLDER ASS'Y R/P	220934270	
	2	AX618570	FRAME, HEAD	222191026	
	3	AX618590	LEVER, HEAD	222592012	
	4	AX618510	SPRING, AZIMUTH	161604032	
	5	NX612140	ARM ASS'Y, ASSIST	220934053	
	6	AX618580	GEAR ARM, HEAD	222394020	
	7	AX618550	SPRING, CASSETTE	221604017	
	8	AX618600	EJECT LOCK	222614043	
	9	CX674690	CAP, REEL	222224041	
	10	NX612170	PINCH ARM L ASS'Y	220934149	
	11	AX618540	CHASSIS HEAD	221122022	
	12	NX612180	PINCH ARM R ASS'Y	220934150	
	13	CX674750	PLAY ARM L	222393257	
	14	CX674710	GEAR, PLAY	222224282	
	15	CX674740	PLAY ARM R	222393256	
	16	AX618560	CHASSIS OS.	222101023	
	17	NX612130	SUB REEL L ASS'Y	220933071	
	18	NX612210	SOLENOID	220934419	
	19	MX604390	WIRE	220724105	
	20	CX674720	ARM RVS	222393010	
	21	CX674700	GEAR, FF	222224048	
	22	NX612150	ARM FR ASS'Y	220934061	
*	23	NX614270	PULLEY FR ASS'Y	220933918	
*	24	CX677180	BELT, FR	020834127	
	25	AX618610	METAL	222624033	
*	26	NX614240	FLYWHEEL L ASS'Y	220933738	
	27	AX618530	METAL	162624031	
	28	CX674730	ARM, BRAKE	222393028	
	29	NX612190	SUB REEL R ASS'Y	220934151	
	30	CX674760	ARM, TRIGER	222683008	
	31	CX674680	GEAR, CAM	222212090	
	32	AX618620	METAL	PBE16449	
*	33	NX614250	FLYWHEEL R ASS'Y	220933917	
	34	AX618520	METAL	162624030	
	35	MX604370	WIRE PB 11P	220724097	
	35	MX604380	WIRE R/P 13P	220724099	
	36	CX674660	HOLDER, WIRE	162192382	
	37	NX612080	P.C.BOARD	220703018	
	38	KX604010	SWITCH, MODE	04MPU10101MMB0	
	39	KX604020	SWITCH, LEAF	04MTS10041MVL0	
	40	iX632700	HALL IC	00LB9051A	
	41	BX602540	BRACKET, FW	221192016	
	42	CX674670	SPACER	222194045	
*	43	NX614290	MOTOR ASS'Y	220934532	
	44	MX604360	WIRE	160724056	
*	45	CX677210	BELT, MAIN	020844128	
	46	NX612090	P.C.BOARD	220704046	
	47	LX608190	HOUSING PB	00S3BEH	
	47	LX608200	HOUSING R/P	00S6BEH	
	61	AX618370	SPRING	010804251	

* New Parts

Ref. No.	PART NO.	Description		Remarks	Markets
62	AX618360	SPRING		010804249	
63	AX618430	SPRING		010824250	
64	AX618390	SPRING		010814257	
65	AX618450	SPRING		010824253	
66	AX618480	SPRING		010824262	
67	AX618440	SPRING		010824252	
68	AX618400	SPRING		010814258	
69	AX618460	SPRING		010824254	
70	AX618470	SPRING		010824261	
71	AX618380	SPRING		010804260	
72	AX618420	SPRING		010814413	
73	AX618410	SPRING		010814309	
81	AX618500	SCREW		033004056	
82	AX618670	SCREW		PGSU20A2005	
83	AX618490	SCREW		033004043	
84	AX618630	SCREW		PGSD10A2004	
85	AX618640	SCREW		PGSD20A2016	
86	AX618650	SCREW		PGSL15A2608	
87	AX618660	SCREW		PGSP11A2607	
102	AX618680	WASHER		PGWP16X040040	
103	AX618690	WASHER		PGWP26X042013	
107	CX678940	WASHER, OIL SEAL	L	221004663	
108	CX678930	WASHER, OIL SEAL	R	221004662	

* New Parts

■ NX-S75 EXPLODED VIEW



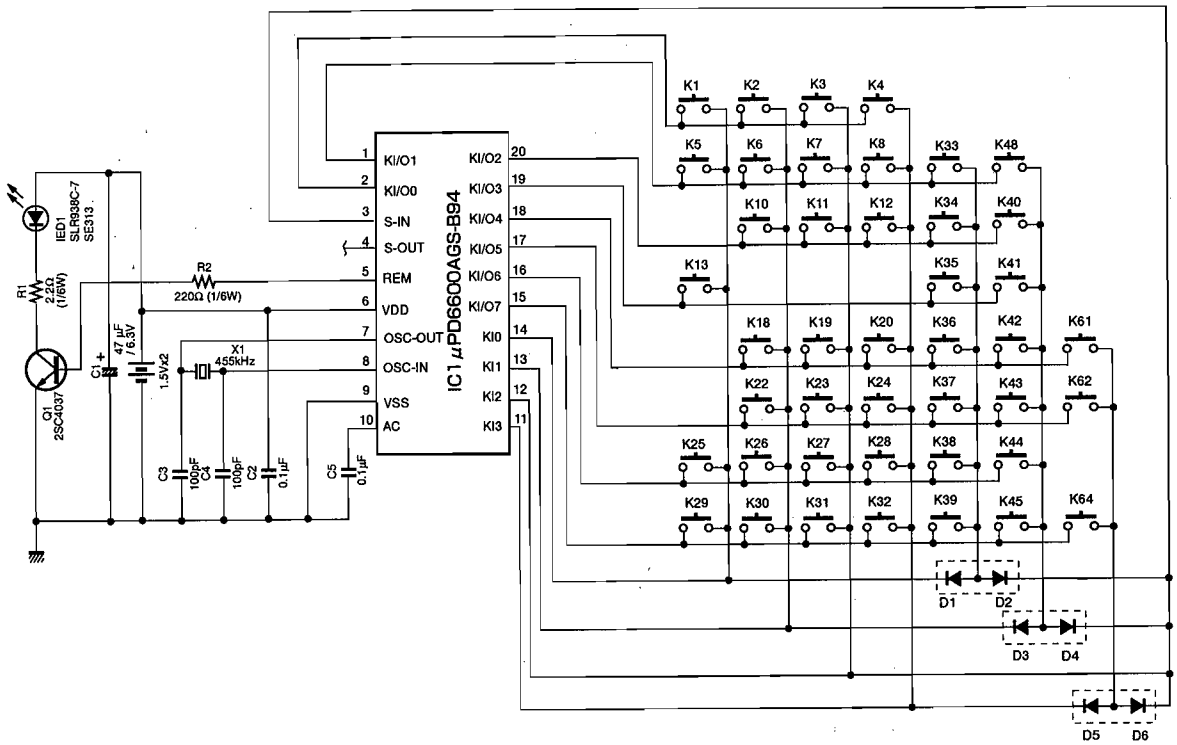
■ NX-S75 MECHANICAL PARTS

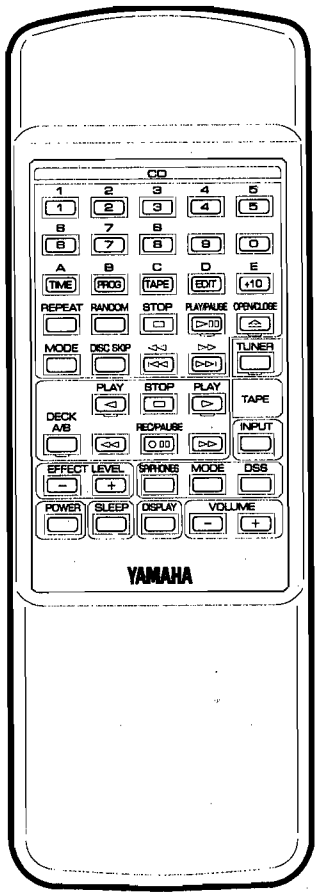
	Ref. No.	PART NO.	Description		Remarks	Markets
*	1	DX603600	SPEAKER CABINET	L	505CC75L	(UCRAL)
*	1	DX603620	SPEAKER CABINET	L	S130H06N1521L	(BG)
*	1	DX603610	SPEAKER CABINET	R	505CC75R	(UCRAL)
*	1	DX603630	SPEAKER CABINET	R	S130H06N1521R	(BG)
	2	LX608790	SPEAKER TERMINAL		203DHJ12	
*	3	NX614730	FRONT GRILLE ASS'Y		9031CC75	
*	4	CX678900	ORNAMENT, SPEAKER	S.TW	401STCC75	
*	5	JX601620	SPEAKER		T10026NPW10K01	
*	6	CX678910	ORNAMENT, SPEAKER	WOOFER	401WCC75	
*	7	JX601630	SPEAKER		W54A06CCX25A50	
	8	AX620170	BIND HEAD TAPPING SCREW	3.5x14 BL	301B2351400	
	9	CX678950	EMBLEM		400N1520	
*	10	CX678880	ORNAMENT, SPEAKER	TWEETER/L	401LTCC75	
	11	CX678890	ORNAMENT, SPEAKER	TWEETER/R	401RTVV75	
	12	AX623100	PUNCH, MESH		331CC75	
	13	XP951A00	SPEAKER	TWEETER/5cm	T20106FGW13A01	
	14	CX678870	BUSH		350N15201	
	15	CX678860	CATCH BLK		429SZ82VA	
		FX611190	ELECTROLYTIC CAP	1uF 100V	12101105RT10	
		FX609830	ELECTROLYTIC CAP	2.2uF 100V	12101225RT8	
			ACCESSORIES			
		MX604550	SPEAKER CORD	2.0mx2pcs.	180020180S	

* New Parts

REMOTE CONTROL TRANSMITTER

■ SCHEMATIC DIAGRAM





KEY No.	FUNCTION	CUSTOM CODE (HEX)	DATA CODE (HEX)
1	0	78	10
2	9	78	19
3	8	78	18
4	7	78	17
5	E (+10)	78	1A
6	D (EDIT)	78	09
7	C (TAPE)	78	08
8	B (PROG)	78	0B
10	PLAY/PAUSE	78	02
11	STOP (CD)	78	01
12	▶▶|	78	03
13	TUNER	78	4B
18	PLAY ▶	78	42
19	STOP (TAPE)	78	41
20	PLAY ◀	78	43
22	▶▶ (FF)	78	44
23	REC/PAUSE	78	46
24	◀◀ (REW)	78	45
※ 25	SP/PHONES	78	52
※ 26	MODE	78	51
※ 27	DSP	78	50
※ 28	EFFECT LEVEL +	78	53
29	VOLUME +	78	1E
30	VOLUME –	78	1F
31	DISPLAY	78	4E
32	SLEEP	78	4F
33	A (TIME)	78	0A
34	|◀◀	78	04
35	RPEAT	78	0C
36	RANDOM	78	07
37	DECK (A/B)	78	47
※ 38	EFFECT LEVEL –	78	54
39	POWER	78	0F
40	6	78	16
41	1	78	11
42	2	78	12
43	3	78	13
44	4	78	14
45	5	78	15
48	DISC SKIP	78	0D
61	MODE	78	5D
62	INPUT	78	5E
64	OPEN/CLOSE	78	00

※ K25~K28, K38 are J, U, C, R, A, L models only.

Parts List for Carbon Resistors

Value	1/4W Type Part No.	1/6W Type Part No.	Value	1/4W Type Part No.	1/6W Type Part No.
1.0 Ω	HJ35 3100	HF85 3100	10 kΩ	HF45 7100	HF45 7100
1.8 Ω	HJ35 3180	※	11 kΩ	HF45 7110	HF45 7110
2.2 Ω	HJ35 3220	HF85 3220	12 kΩ	HJ35 7120	HF85 7120
3.3 Ω	HJ35 3330	HF85 3330	13 kΩ	HF45 7130	HF45 7130
4.7 Ω	HJ35 3470	HF85 3470	15 kΩ	HF45 7150	HF45 7150
5.6 Ω	HJ35 3560	HF85 3560	18 kΩ	HF45 7180	HF45 7180
10 Ω	HF45 4100	HF45 4100	22 kΩ	HF45 7220	HF45 7220
15 Ω	HJ35 4150	HF85 4150	24 kΩ	HF45 7240	HF45 7240
22 Ω	HF45 4220	HF45 4220	27 kΩ	HJ35 7270	HF85 7270
27 Ω	HJ35 4270	HF85 4270	30 kΩ	HF45 7300	HF45 7300
33 Ω	HF45 4330	HF45 4330	33 kΩ	HF45 7330	HF45 7330
39 Ω	HJ35 4470	HF85 4390	36 kΩ	HF45 7360	HF45 7360
47 Ω	HF45 4470	HF45 4470	39 kΩ	HF45 7390	HF45 7390
56 Ω	HF45 4560	HF45 4560	47 kΩ	HF45 7470	HF45 7470
68 Ω	HF45 4680	HF45 4680	51 kΩ	HF45 7510	HF45 7510
75 Ω	HF45 4750	HF45 4750	56 kΩ	HF45 7560	HF45 7560
82 Ω	HF45 4820	HF45 4820	62 kΩ	HF45 7620	HF45 7620
91 Ω	HF45 4910	HF45 4910	68 kΩ	HF45 7680	HF45 7680
100 Ω	HF45 5100	HF45 5100	82 kΩ	HF45 7820	HF45 7820
110 Ω	HJ35 5110	HF85 5110	91 kΩ	HF45 7910	HF45 7910
120 Ω	HF45 5120	HF45 5120	100 kΩ	HF45 8100	HF45 8100
150 Ω	HF45 5150	HF45 5150	110 kΩ	HF45 8110	HF45 8110
160 Ω	HJ35 5160	※	120 kΩ	HF45 8120	HF45 8120
180 Ω	HF45 5180	HF45 5180	150 kΩ	HF45 8150	HF45 8150
200 Ω	HF45 5200	HF45 5200	180 kΩ	HF45 8180	HF45 8180
220 Ω	HF45 5220	HF45 5220	220 kΩ	HJ35 8220	HF85 8220
270 Ω	HF45 5270	HF45 5270	270 kΩ	HF45 8270	HF45 8270
330 Ω	HF45 5330	HF45 5330	300 kΩ	HF45 8300	HF45 8300
390 Ω	HF45 5390	HF45 5390	330 kΩ	HF45 8330	HF45 8330
430 Ω	HF45 5430	HF45 5430	390 kΩ	HJ35 8390	HF85 8390
470 Ω	HF45 5470	HF45 5470	470 kΩ	HF45 8470	HF45 8470
510 Ω	HF45 5510	HF45 5510	560 kΩ	HJ35 8560	HF85 8560
560 Ω	HF45 5560	HF45 5560	680 kΩ	HJ35 8680	HF85 8680
680 Ω	HF45 5680	HF45 5680	820 kΩ	HJ35 8820	HF85 8820
820 Ω	HF45 5820	HF45 5820	1.0 MΩ	HF45 9100	HF45 9100
910 Ω	HF45 5910	HF45 5910	1.2 MΩ	HJ35 9120	※
1.0 kΩ	HF45 6100	HF45 6100	1.5 MΩ	HJ35 9150	HF85 9150
1.2 kΩ	HF45 6120	HF45 6120	1.8 MΩ	HJ35 9180	HF85 9180
1.5 kΩ	HF45 6150	HF45 6150	2.2 MΩ	HJ35 9220	HF85 9220
1.8 kΩ	HF45 6180	HF45 6180	3.3 MΩ	HJ35 9330	HF85 9330
2.0 kΩ	HJ35 6200	HF85 6200	3.9 MΩ	HJ35 9390	※
2.2 kΩ	HF45 6220	HF45 6220	4.7 MΩ	HJ35 9470	HF85 9470
2.4 kΩ	HJ35 6240	HF85 6240			
2.7 kΩ	HF45 6270	HF45 6270			
3.0 kΩ	HF45 6300	HF45 6300			
3.3 kΩ	HF45 6330	HF45 6330			
3.6 kΩ	HJ35 6360	HF85 6360			
3.9 kΩ	HF45 6390	HF45 6390			
4.7 kΩ	HF45 6470	HF45 6470			
5.1 kΩ	HF45 6510	HF45 6510			
5.6 kΩ	HF45 6560	HF45 6560			
6.8 kΩ	HF45 6680	HF45 6680			
8.2 kΩ	HF45 6820	HF45 6820			
9.1 kΩ	HF45 6910	HF45 6910			

1/4W Type
HJ35○○○○
10mm

1/4W Type
HF45○○○○
1/6W Type
HF85○○○○
5mm

1992