

16 Schematic Diagram

(All schematic diagrams may be modified at any time with the development of the new technology)

Note:

S701	: Reset Switch
S900	: CD Manager Switch
S901	: Switch CD 1
S902	: Switch CD 2
S903	: Switch CD 3
S904	: Switch CD 4
S905	: Switch CD 5
S906	: Rec/Stop select Switch
S907	: Reverse Mode select Switch
S908	: CD Tape Edit select Switch
S909	: Switch Tune Down
S910	: Switch FM Mode/BP
S911	: Switch Memory
S912	: Switch Tune Mode
S913	: Switch Tune Up
S920	: Switch CD Eject
S940	: Switch AUX
S941	: Switch Tuner
S942	: Switch Tape
S943	: Switch CD
S944	: Switch 3D AI
S945	: Switch Super Sound EQ
S950	: Switch Sub Woofer
S951	: Switch Deck 2 Eject
S951	: Switch Mode
S952	: Switch EQ Down
S952	: Switch Half
S953	: Switch EQ Right
S953	: Switch CR02
S954	: Switch EQ Left
S955	: Switch EQ Up
S956	: Switch Power
S958	: Switch Play/Rec Timer
S959	: Switch Clock/Timer
S961	: Switch Display/Character
S962	: Switch Deck 1
S965	: Switch Nas
S966	: Switch 6ch
S967	: Switch DPL
S971	: Switch Mode
S972	: Switch Half
S973	: Switch CR02
S974	: Switch RECINH_R
S975	: Switch RECINH_F
SW1	: Switch Push
SW2	: Switch Push
SW3	: Switch
SW4	: Switch CD
SW5	: Switch Lock
SW600	: Switch Joy Jog
VR900	: Vr Volume

• The voltage value and waveforms are the reference voltage of this unit measured by DC electronic voltmeter (high impedance) and oscilloscope on the basis of chassis. Accordingly, there may arise some error in voltage values and waveforms depending upon the internal impedance of the tester or the measuring unit.

No mark : Playback << >> : Rec < > : FM
(()) : CD () : AM [] : AUX

• Importance safety notice :

Components identified by Δ mark have special characteristics important for safety. Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used. When replacing any of components, be sure to use only manufacturer's specified parts shown in the parts list.

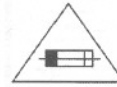
Caution !

IC, LSI and VLSI are sensitive to static electricity.

Secondary trouble can be prevented by taking care during repair.

- Cover the parts boxes made of plastics with aluminium foil.
- Put a conductive mat on the work table.
- Ground the soldering iron.
- Do not touch the pins of IC, LSI or VLSI with fingers directly.

CAUTION : FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH SAME TYPE F1, 4A, 125V FUSE.



RISK OF FIRE-REPLACE FUSE AS MARKED.

FUSE CAUTION



These symbols located near the fuse indicates that the fuse used is a fast operating type. For continued protection against fire hazard, replace with the same type fuse. For fuse rating, refer to the marking adjacent to the symbol.



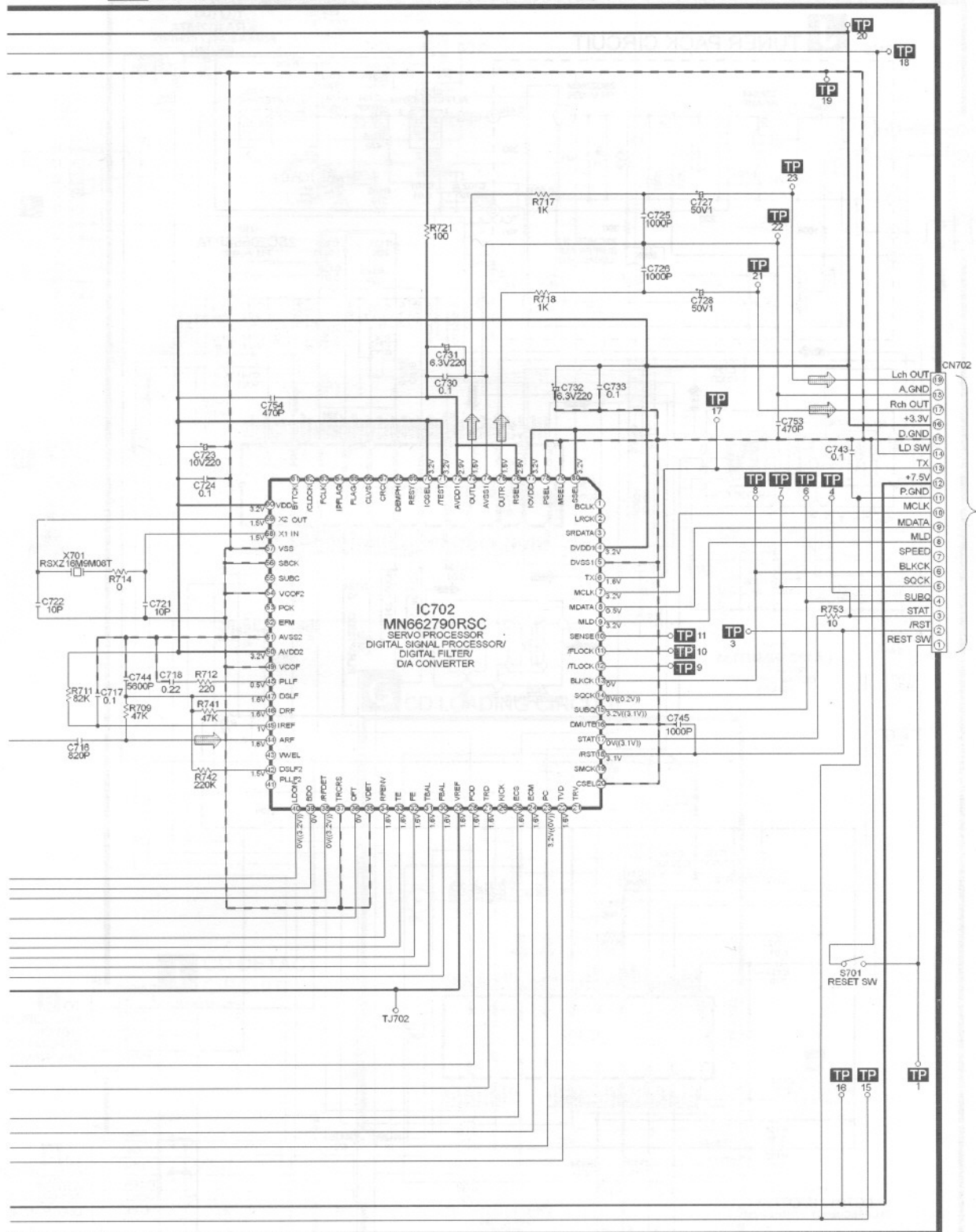
Ce symbole indique que le fusible utilisé est à rapide. Pour une protection permanente, n'utiliser que des fusibles de même type. Ce dernier est indiqué là où le présent symbole est apposé.

"CAUTION: REPLACE FUSIBLE RESISTOR WITH THE SAME TYPE RSFMB40KT-L FUSIBLE RESISTOR" "ATTENTION: REMPLACER LA RESISTANCE FUSIBLE PAR UNE RESISTANCE FUSIBLE DE MEME TYPE RSFMB40KT-L.

SCHEMATIC DIAGRAM - 2

— : +B SIGNAL LINE - - : +B SIGNAL LINE ➡ : CD SIGNAL LINE

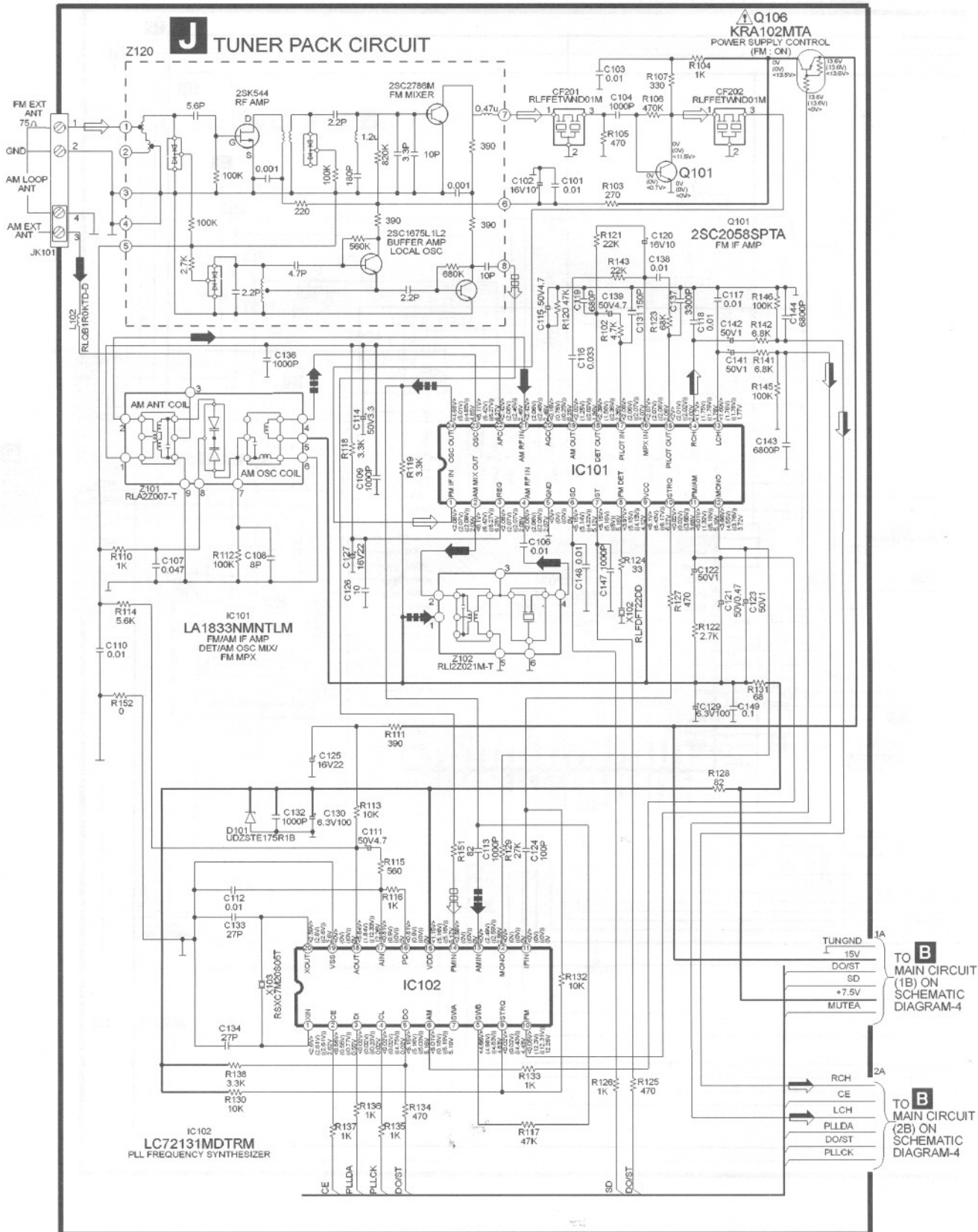
A CD SERVO CIRCUIT



C TO PANEL CIRCUIT (CP606) ON SCHEMATIC DIAGRAM-8

SCHEMATIC DIAGRAM - 3

— : +B SIGNAL LINE ⇨ : FM SIGNAL LINE ⇨ : AM SIGNAL LINE
 ⇨ : FM/AM SIGNAL LINE ⇨ : FM OSC SIGNAL LINE ⇨ : AM OSC SIGNAL LINE

B TUNER CIRCUIT

SCHEMATIC DIAGRAM - 5

— : +B SIGNAL LINE ➡ : MAIN SIGNAL LINE
 - - - : +B SIGNAL LINE

B MAIN CIRCUIT

TO **C**
 PANEL CIRCUIT (CP607) ON
 SCHEMATIC DIAGRAM-8

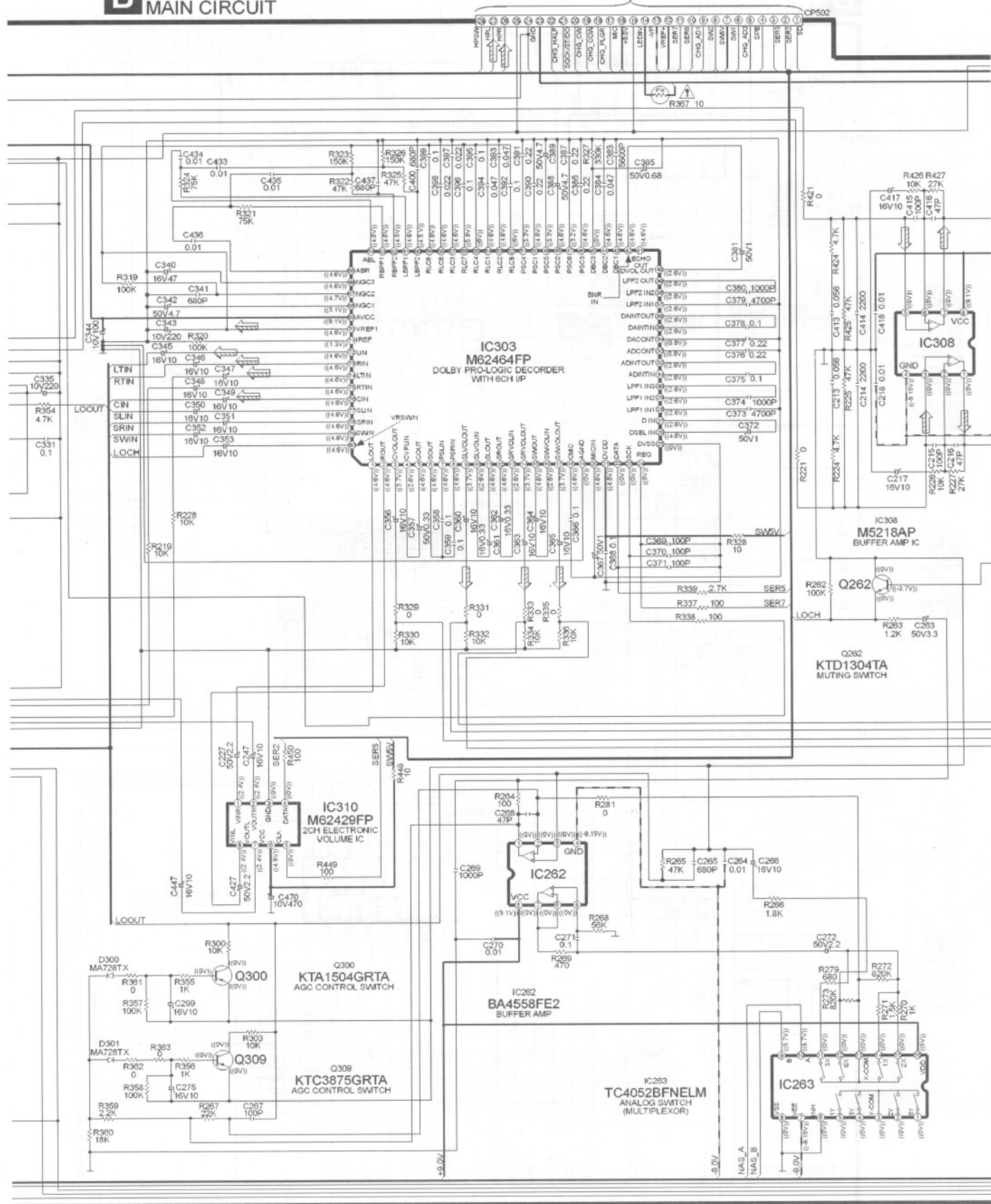
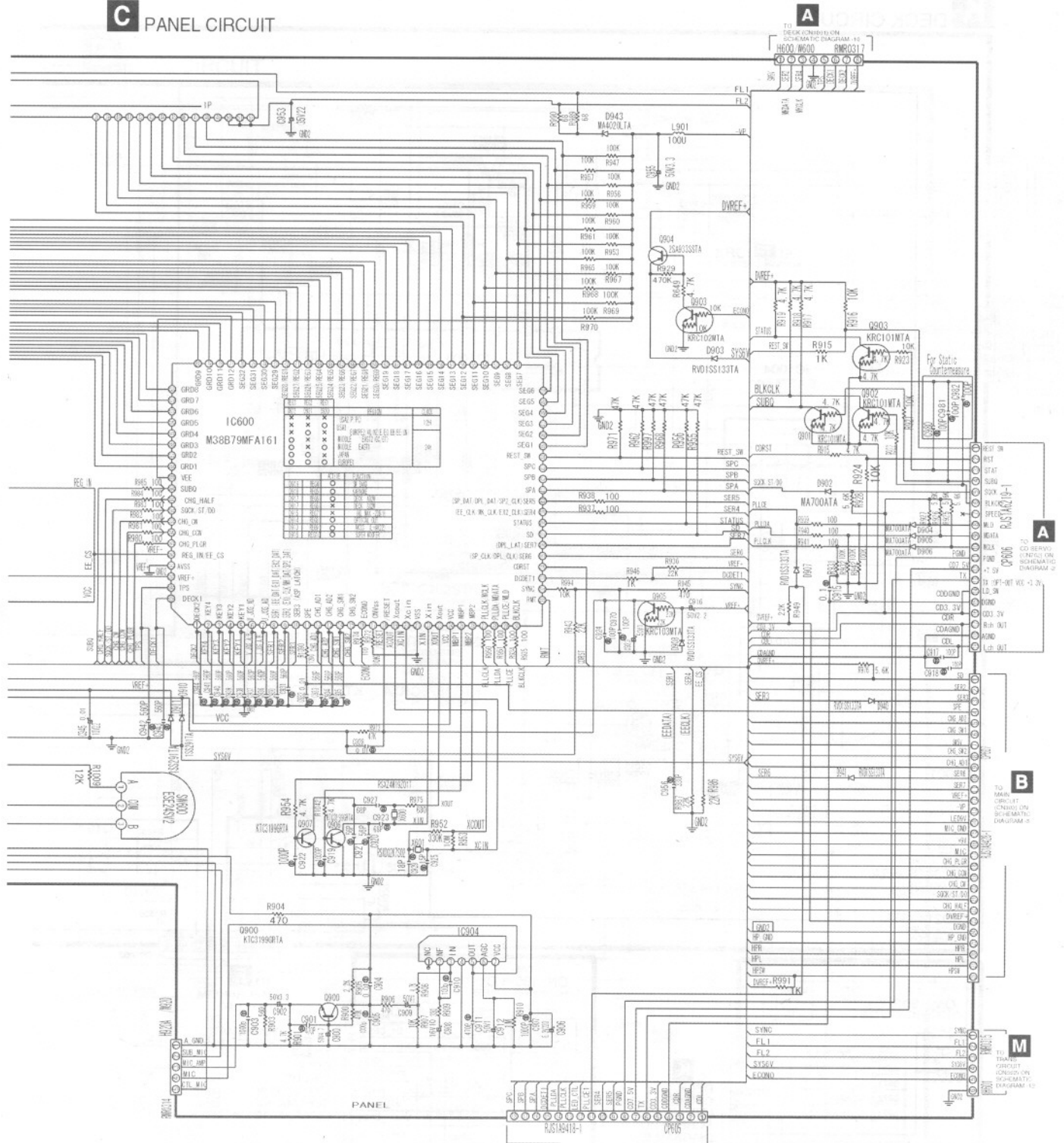


Figure 1 is a schematic diagram of a 4-channel signal conditioning circuit. It features four parallel signal paths, each processing a 0-5V input signal (S1, S2, S3, S4) through a 10k resistor (R1-R4) into an op-amp (U1-U4). Each op-amp has a feedback resistor (R5-R8) and a 10k resistor (R9-R12) to ground. The outputs (U1O, U2O, U3O, U4O) are connected to a 4-bit digital output bus (D0-D3) via 10k pull-up resistors (R13-R16).

[illegible][illegible][illegible]

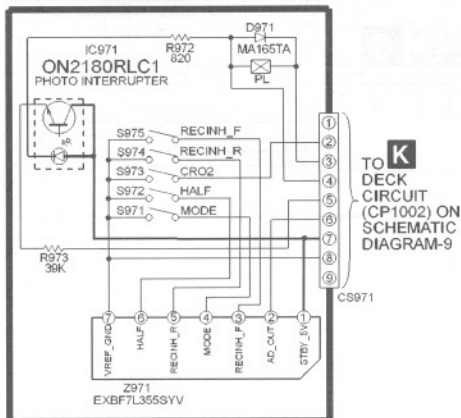
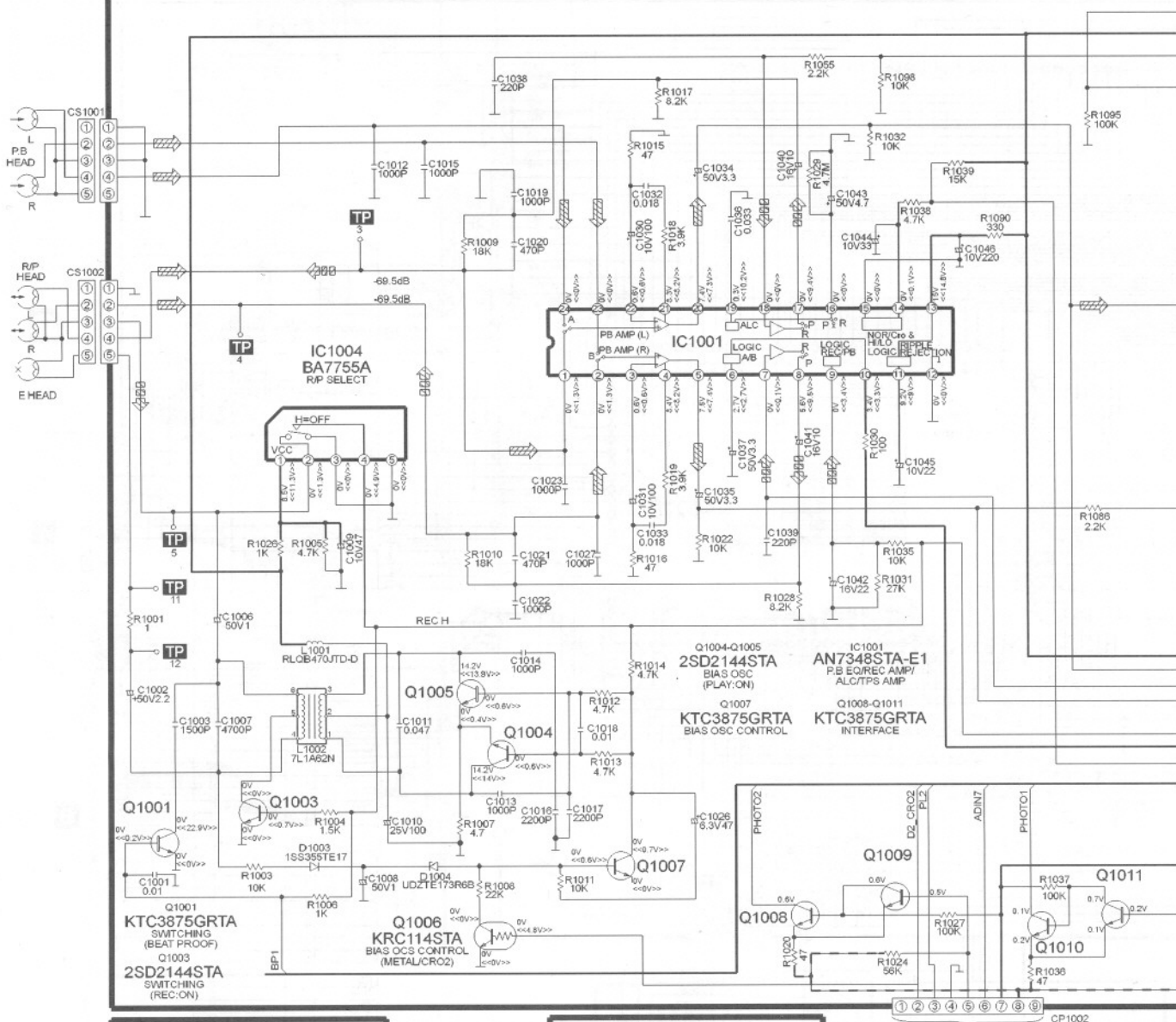
SCHEMATIC DIAGRAM - 8

C PANEL CIRCUIT

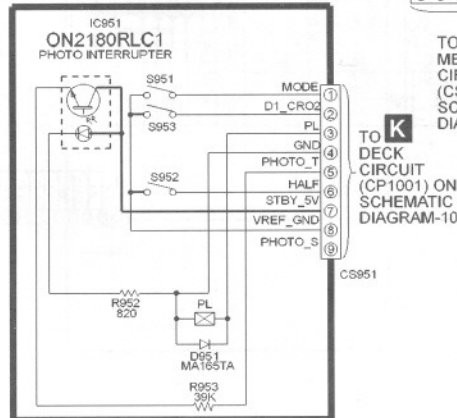
SCHEMATIC DIAGRAM - 9

— : +B SIGNAL LINE  : PLAYBACK SIGNAL LINE
 - - : -B SIGNAL LINE : RECORD SIGNAL LINE

K DECK CIRCUIT



F MECHANISM CIRCUIT (DECK 2)



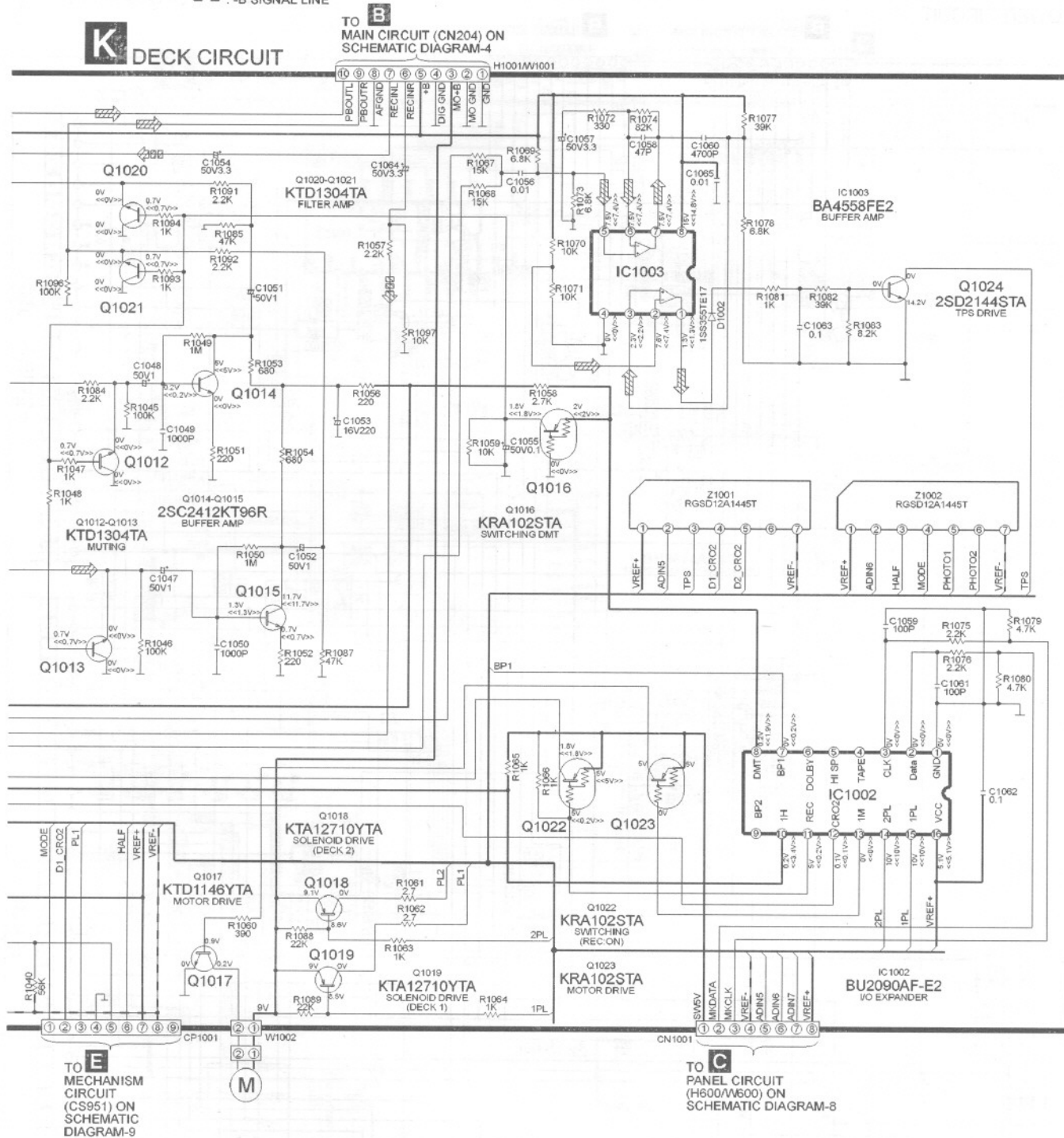
E MECHANISM CIRCUIT (DECK 1)

SCHEMATIC DIAGRAM - 10

— : +B SIGNAL LINE

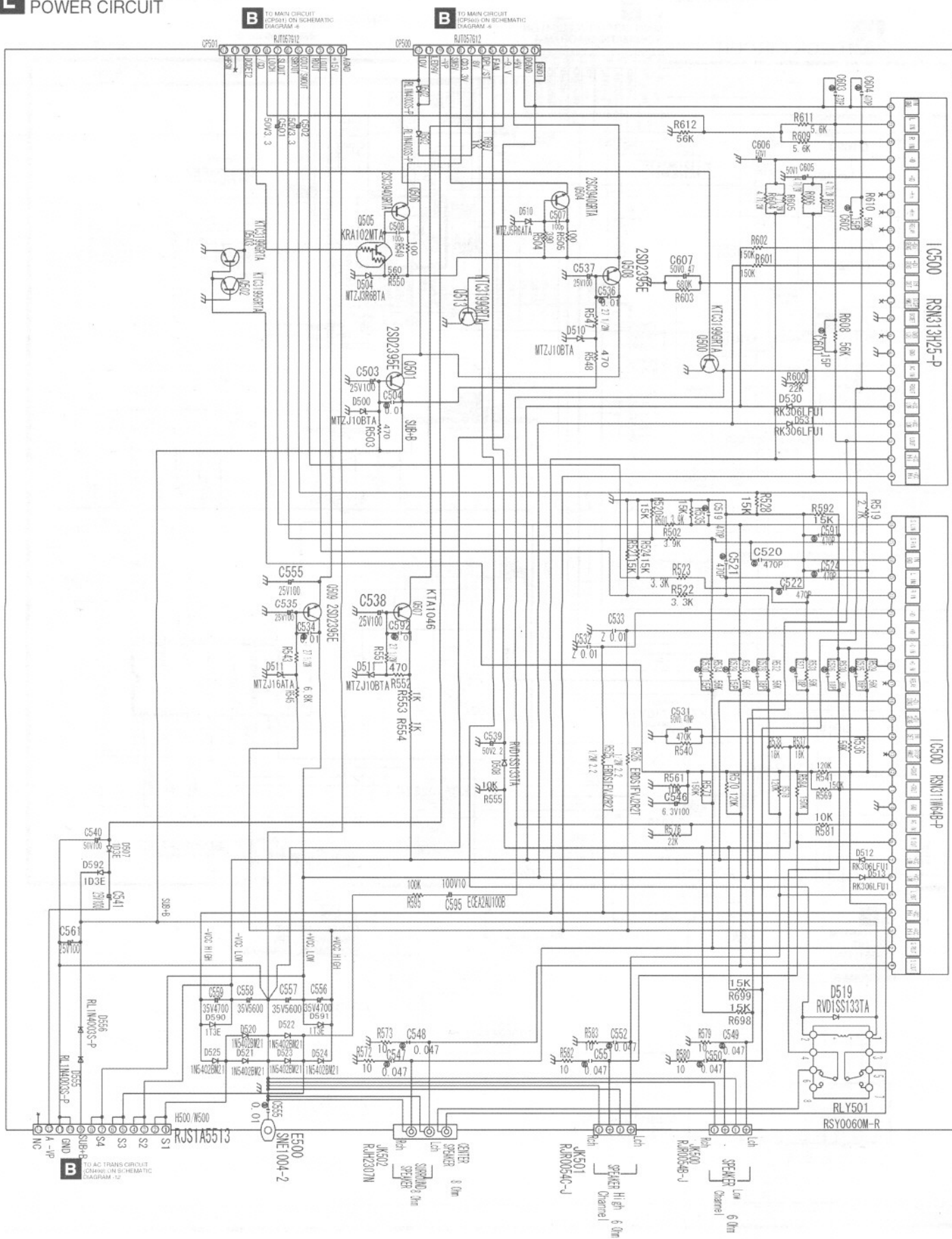
 : PLAYBACK SIGNAL LINE : RECORD SIGNAL LINE

- - : -B SIGNAL LINE

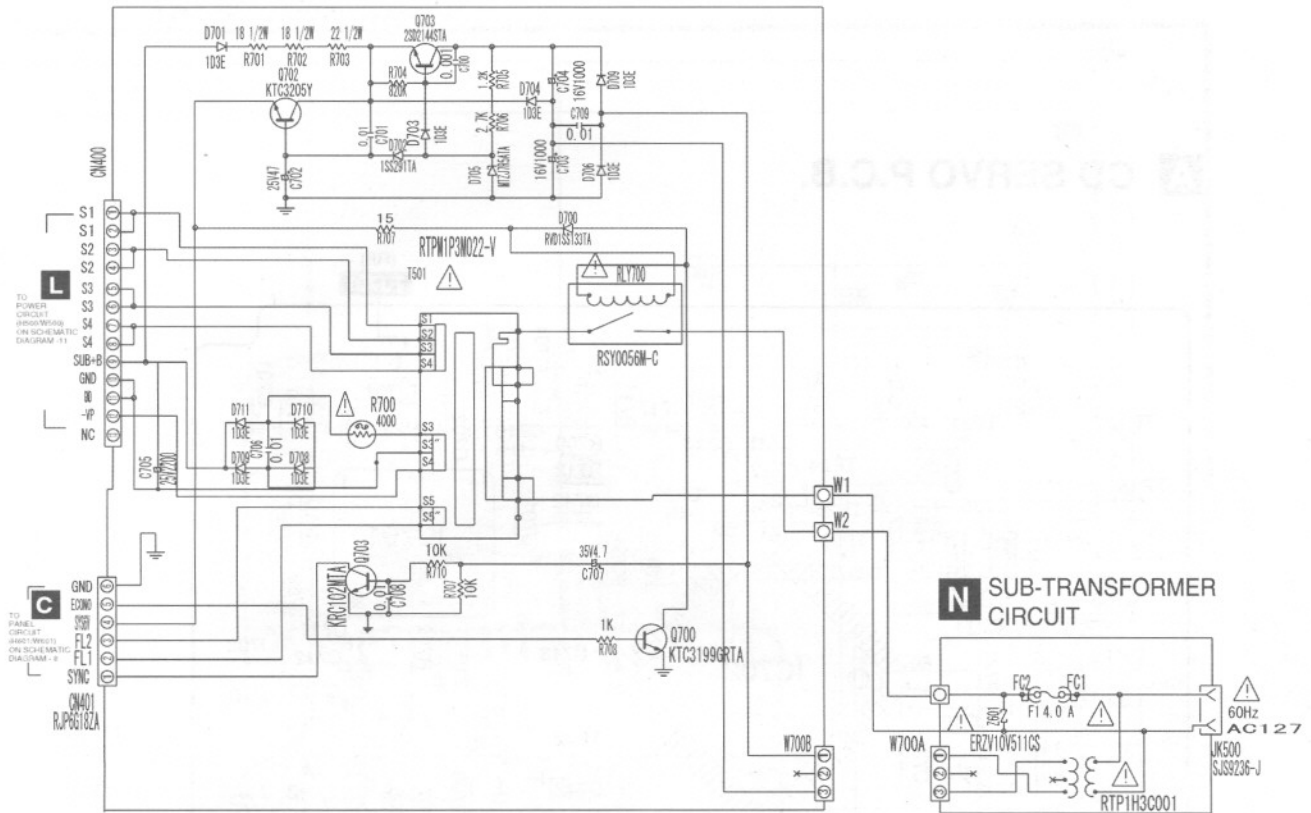
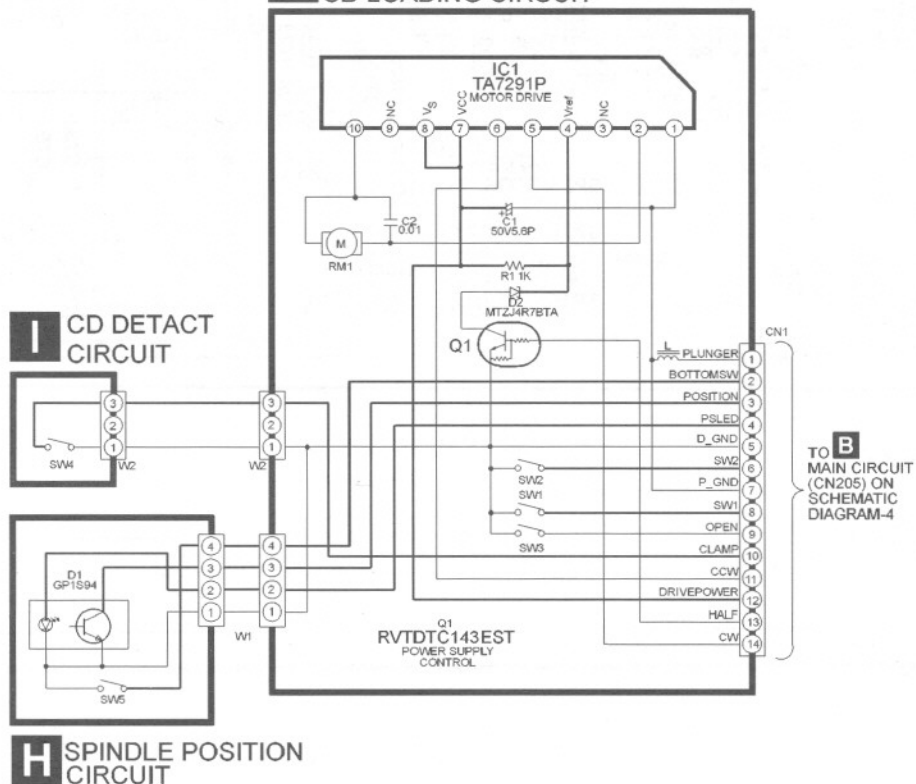


SCHEMATIC DIAGRAM -11

L POWER CIRCUIT



SCHEMATIC DIAGRAM - 12

M AC TRANSFORMER CIRCUIT**G** CD LOADING CIRCUIT

17 Printed Circuit Board

NOTE: Circuit board diagrams may be modified at any time with the development of new technology.

A CD SERVO P.C.B.

