

Service Manual

Compact Disc Player

Service Schematics

This publication consists of schematics for product identified in the schematics. It is not intended as a substitute for a service manual, which is available from MATSUSHITA in CD or print format. For proper repair instructions it is necessary to consult the CD or print version of the full service manual.

SL-EH770

Traverse Deck: RAE0152Z Mechanism series

Colour
(S).....Silver Type

Area
(E).....Europe.

Because of unique interconnecting cables, when a component requires service, send or bring in the entire system.

System	SC-EH770
Sound Processor	SH-EH770
Tuner/Amplifier	SA-EH770
CD Changer	SL-EH770
Cassette Deck	RS-DV250
Front Speakers*	SB-DV250
Center Speaker*	SB-PC95
Surround Speakers*	SB-PS95

* : Made in Spain.

Specifications

Audio section
No. of channels: 2 (left and right, stereo)
Frequency response: 20 to 20,000 Hz
(+0.5 dB to -2 dB)
Output voltage: 0.78 V (at 0 dB)
Dynamic range: 85 dB
S/N: 95 dB
Total harmonic distortion: 0.02 % (1 kHz, 0 dB)
Wow and flutter: Below measurable limit
Digital filter: 8 fs
DA converter: 1 bit DAC MASH
Output impedance: 1 kΩ
Load impedance: More than 10 kΩ

Pickup section
Wavelength: 780 nm

General
Dimensions (W×H×D): 293×89×288 mm
Mass: 2.2 kg

Notes: Specifications are subject to change without notice.
Mass and dimensions are approximate.
Total harmonic distortion is measured by the digital spectrum analyzer.

Note on CD-R and CD-RW
This unit can play CD-DA format audio CD-R and CD-RW that have been finalized* upon completion of recording. It may not be able to play some CD-R or CD-RW due to the condition of recording.
* Finalizing is a process that enables CD-R/CD-RW players to play audio CD-R and CD-RW.

 **WARNING**

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

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1 Schematic Diagram Notes

- This schematic diagram may be modified at any time with the development of new technology.

Notes:

S1:	Tray position 1 detect switch in OFF position
S2:	Tray position 2 detect switch in OFF position
S3:	Tray open detect switch in OFF position
S4:	Clump switch in OFF position
S5:	Bottom switch in OFF position
S601:	Disc direct open switch (DIRECT OPEN DISC 5)
S602:	Disc direct open switch (DIRECT OPEN DISC 4)
S603:	Disc direct open switch (DIRECT OPEN DISC 3)
S604:	Disc direct open switch (DIRECT OPEN DISC 2)
S605:	Disc direct open switch (DIRECT OPEN DISC 1)
S606:	Disc select switch (DISC 1)
S607:	Disc select switch (DISC 2)
S608:	Disc select switch (DISC 3)
S609:	Disc select switch (DISC 4)
S610:	Disc select switch (DISC 5)
S611:	Disc tray open/close switch (▲ OPEN/CLOSE)
S612:	Pause switch ()
S613:	F.Skip/search switch (►►/►►)
S614:	Play switch (►)
S615:	Stop switch (■)
S616:	R.Skip/search switch (◄◄/◄◄)
S617:	Random play switch (RANDOM)
S618:	Repeat switch (REPEAT)
S619:	CD edit switch (EDIT)
S701:	Rest detect switch in OFF position

- Indicated voltage values are the standard values for the unit measured by the DC electronic circuit tester (high-impedance) with the chassis taken as standard. Therefore, there may exist some errors in the voltage values, depending on the internal impedance of the DC circuit tester.

No mark : CD Stop
() : CD Play [1 kHz, L+R, 0 dB]

- Important safety notice:

Components identified by △ 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.

- The supply part number is described alone in the replacement parts list.

• Caution!

IC and LSI are sensitive to static electricity.

Secondary trouble can be prevented by taking care during

repair.

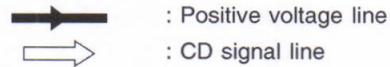
Cover the parts boxes made of plastics with aluminum foil.

Ground the soldering iron.

Put a conductive mat on the work table.

Do not touch the legs of IC or LSI with the fingers directly.

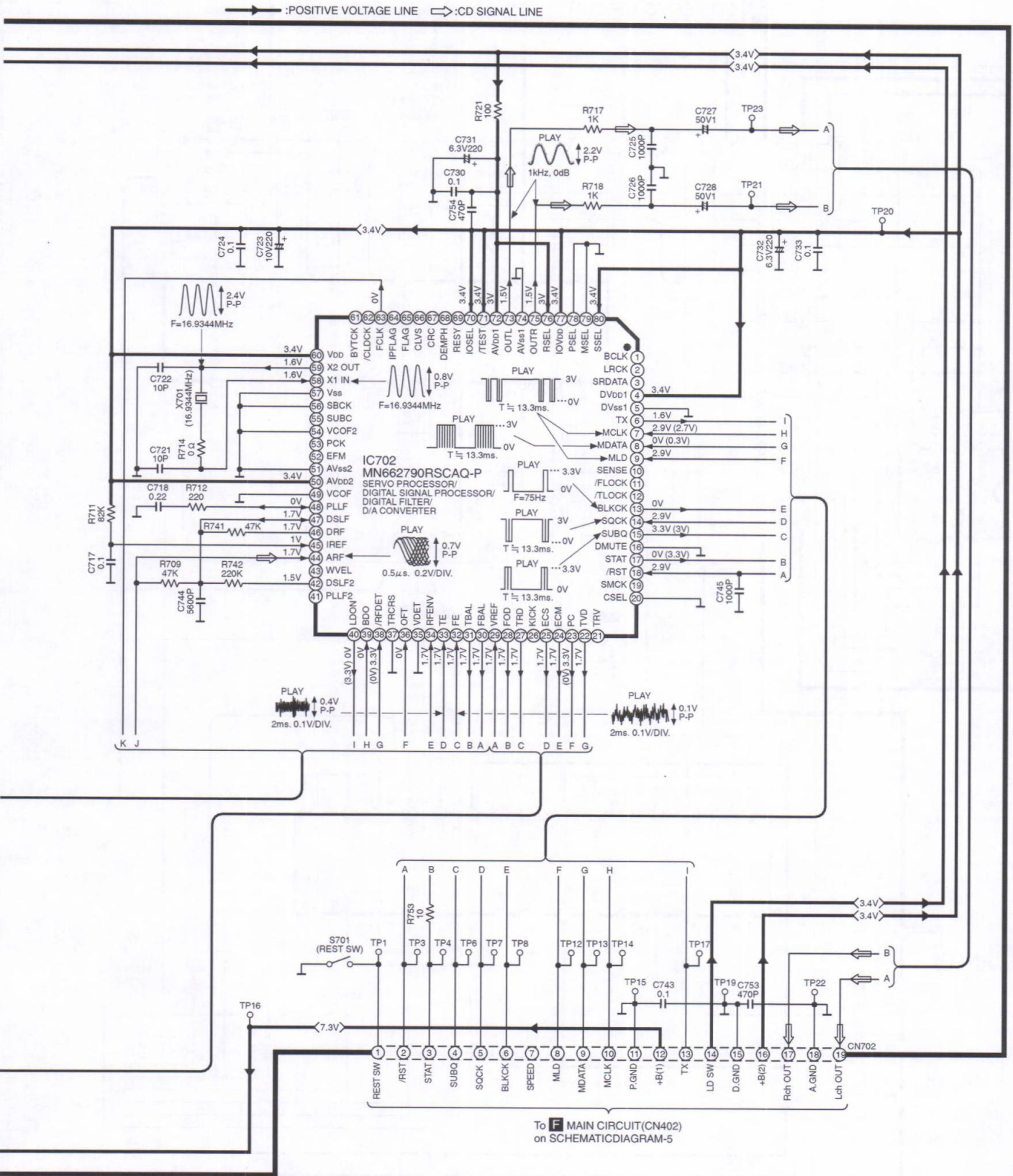
- Voltage and signal line



NOTE:
The number which noted at the connectors on the schematic diagram as "SCHEMATIC DIAGRAM-1" or "SCHEMATIC DIAGRAM-2" indicates the schematic diagram serial number located on the left corner in the schematic diagram.



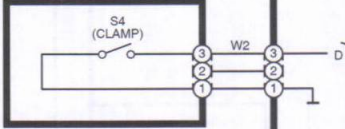
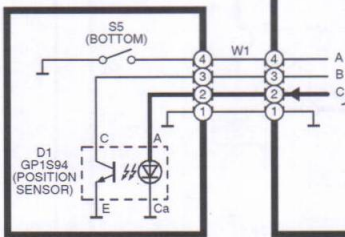
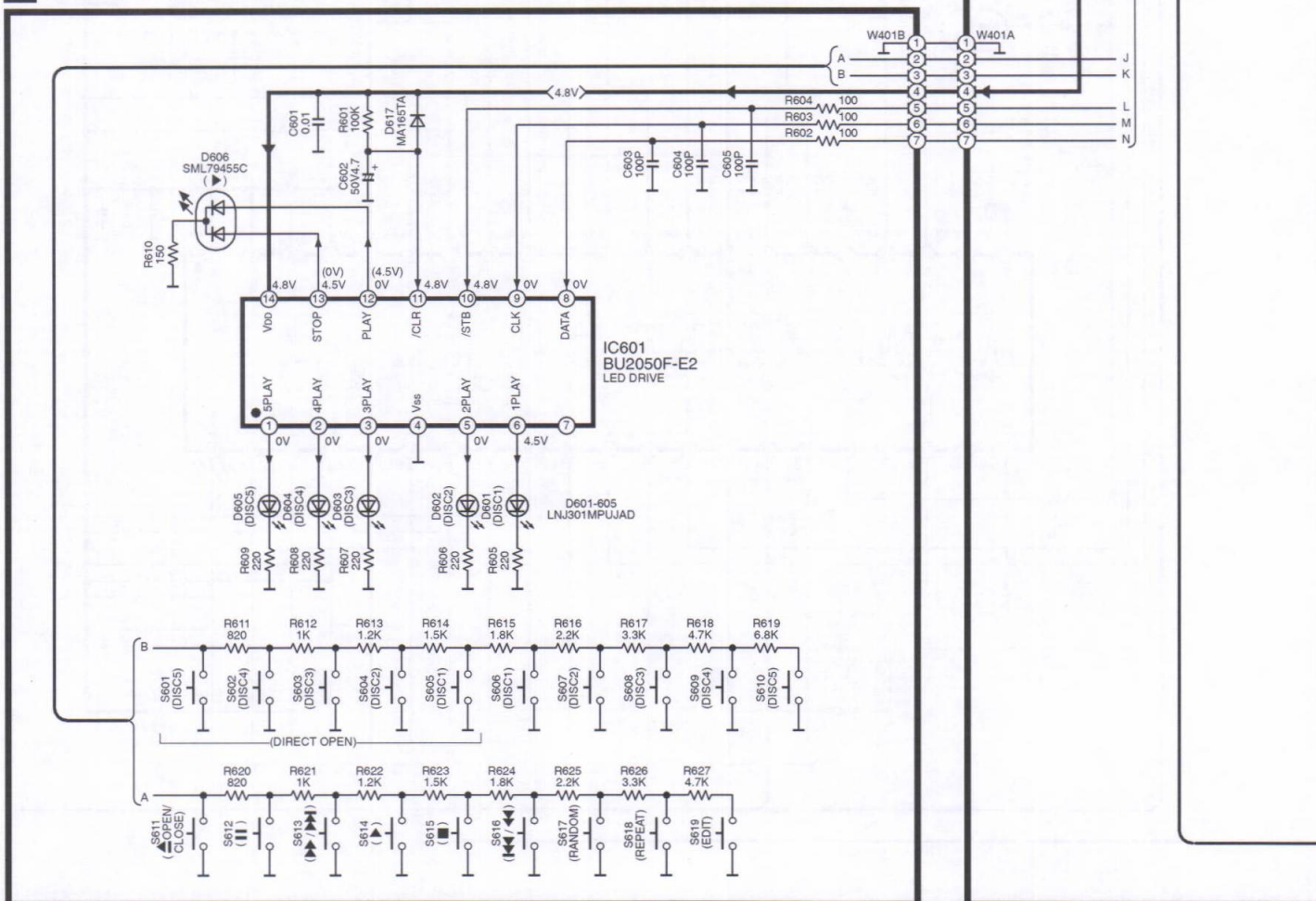
SCHEMATIC DIAGRAM-2



SCHEMATIC DIAGRAM-3

B MOTOR CIRCUIT

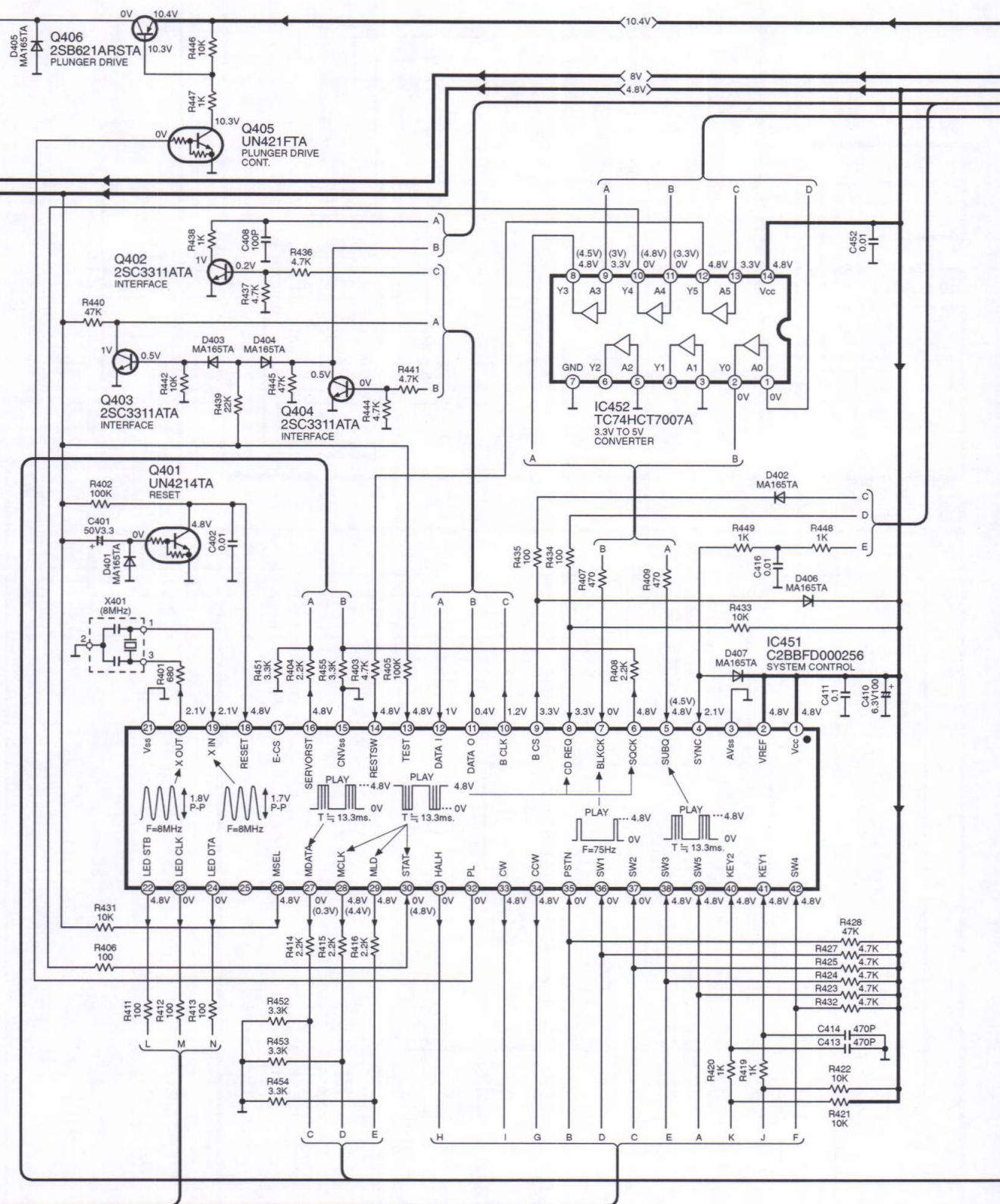
→ : POSITIVE VOLTAGE LINE

C CLUMP SW CIRCUIT**D** BOTTOM SW CIRCUIT**E** OPERATION CIRCUIT

SCHEMATIC DIAGRAM-4

F MAIN CIRCUIT

→ : POSITIVE VOLTAGE LINE



SCHEMATIC DIAGRAM-5

→ : POSITIVE VOLTAGE LINE ⇨ : CD SIGNAL LINE

