

Service Manual

Radio Cassette
RX-DS11

COMPACT
disc
DIGITAL AUDIO

Portable Stereo CD System



Colour (K).....Black Type

MASH *
multi-stage noise shaping

* MASH is a trademark of NTT

Areas

(E) (EP) Europe, Poland and
Russia.
(EB) Great Britain.
(EG) Germany.
(EJ) Italy.
(GN) Oceania.

Tape Deck: SG-20 Mechanism Series
Traverse Deck: RAE0150Z Series

Specifications

General

Power Requirement:	
AC;	230 ~ 240 V, 50 Hz
	Power Consumption; 20 W
Battery;	9 V [Six R20/LR20 (D, UM-1) batteries]
Power Output:	
for (E)(EB)(EG)(GN) areas;	30 W (PMPO MAX) 4 W (RMS 10 % DIST.)
for (EP) area;	30 W (PMPO MAX)
for (EJ) area;	4 W (RMS 10% DIST.)
Speakers:	10 cm, 4 ohm
Output:	PHONES; 32 ohm, diameter 3.5
Dimensions:	470 (Wide) / 158 (High) / 254 (Depth) mm
Weight:	2.9 kg without batteries

CD player

Sampling frequency:	44.1 kHz
Decoding:	16 bit linear
Beam source:	Semiconductor laser (wavelength 780 nm)
No. of channels:	2 channel, stereo
Wow and flutter:	Below measurable limit
D/A converter:	MASH (1 bit DAC)

Notes:

1. Weight and dimensions shown are approximate.
2. Design and specifications are subject to change without notice.

Radio

Frequency Range:	
for (E)(EB)(EG)(EJ)(GN) areas;	
FM;	87.5 – 108 MHz
AM;	520 – 1610 kHz
for (EP) area	
FM;	65 – 108 MHz
AM;	520 – 1610 kHz
Intermediate Frequency:	
for (E)(EB)(EG)(EJ)(GN) areas;	
FM;	10.7 MHz
AM;	459 kHz
for (EP) area;	
FM;	10.64 MHz
AM;	459 kHz

Sensitivity:

for (E)(EB)(EG)(GN) areas;	
FM;	6.3 μ V/ 0.21 mW output (30 dB)
AM;	251 μ V/ m/ 0.21 mW output (Max.)
for (EP) areas;	
FM;	5.6 μ V/ 0.21 mW output (30 dB)
AM;	199 μ V/ m/ 0.21 mW output (Max.)
for (EJ) areas;	
FM;	7.9 μ V/ 0.21 mW output (30 dB)
AM;	282 μ V/ m/ 0.21 mW output (Max.)

Tape Recorder

Frequency Range:	30 – 12000 Hz (Normal)
Recording System:	AC bias, Magnet erase
Tape Speed:	4.8 cm/s
Monitor System:	Variable sound monitor
Track System:	4 - track, 2 - channel, stereo recording and playback

WARNING

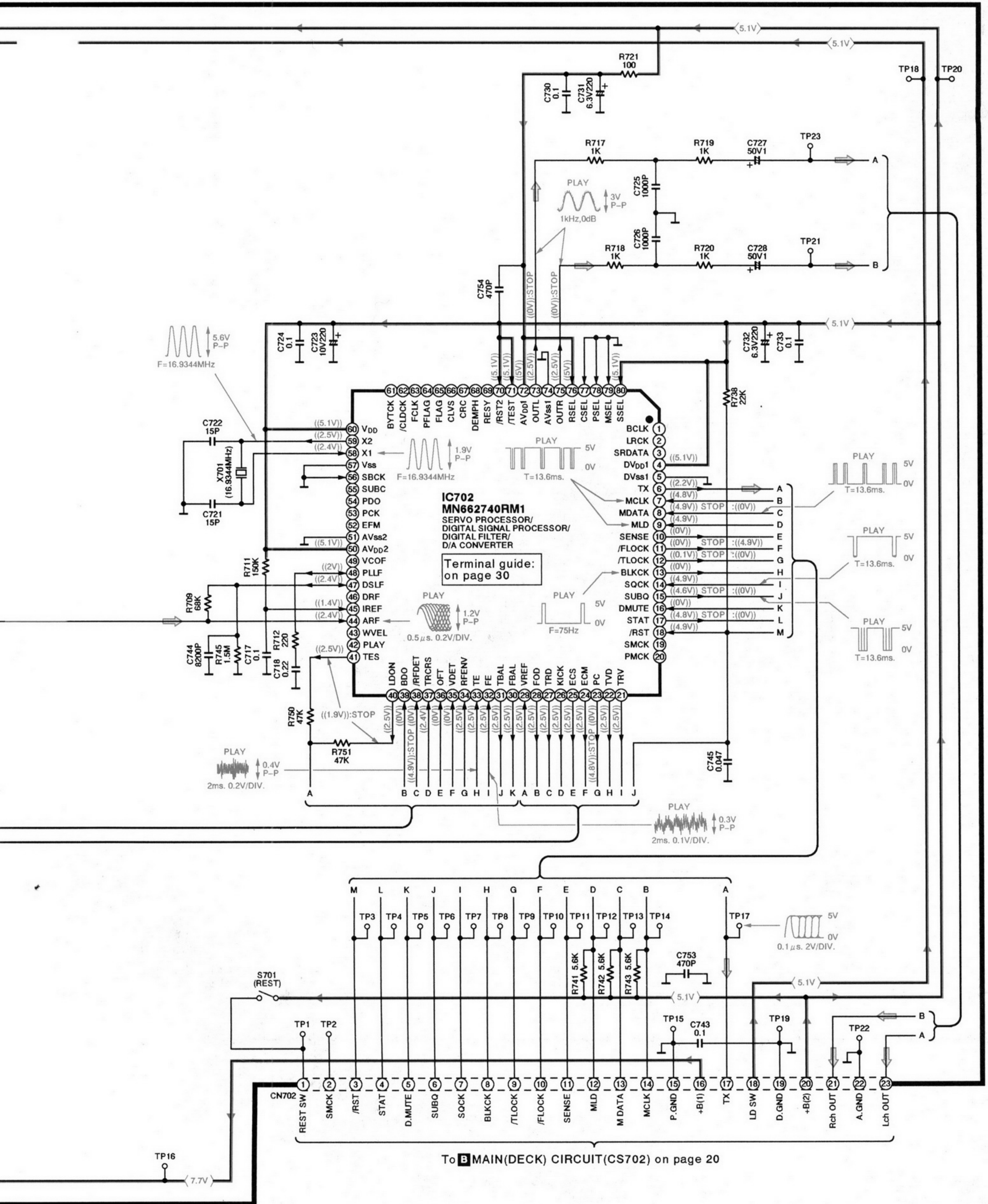
This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should 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.

Panasonic[®]

© 1997 Matsushita Electric Industrial Co., Ltd.
All rights reserved. Unauthorized copying
and distribution is a violation of law.

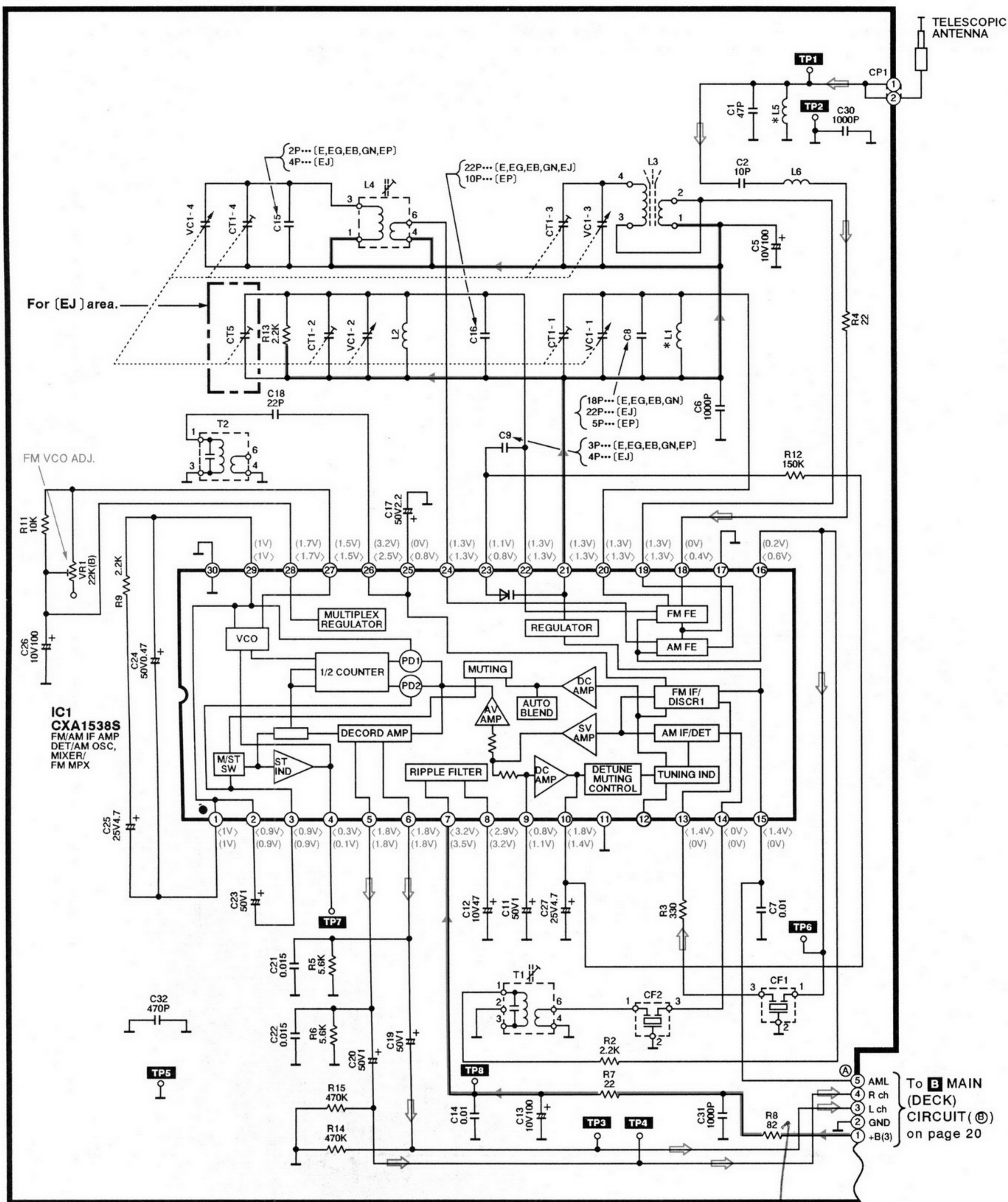
→ : CD Signal Line

→ : + B Line



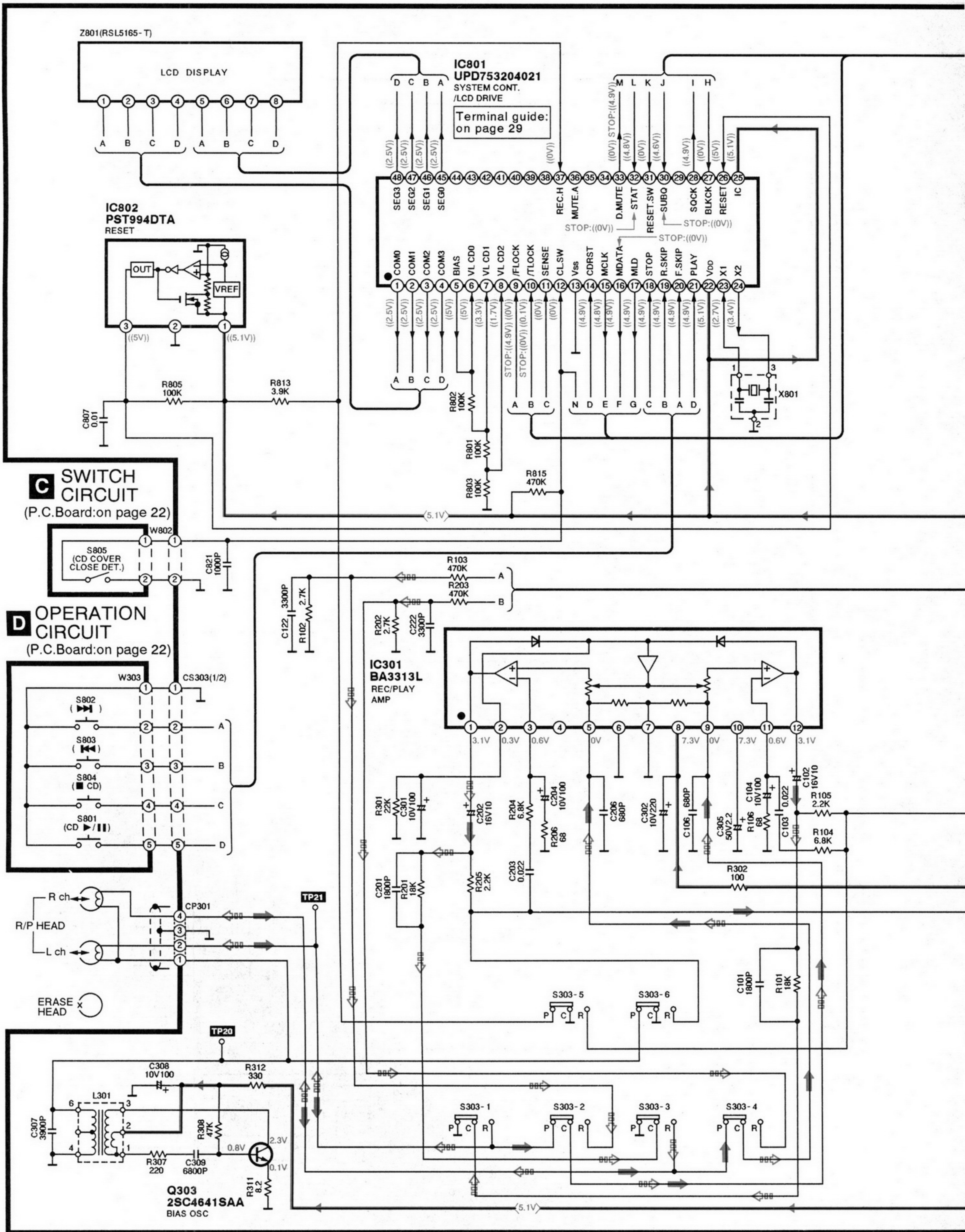
To MAIN(DECK) CIRCUIT(CS702) on page 20

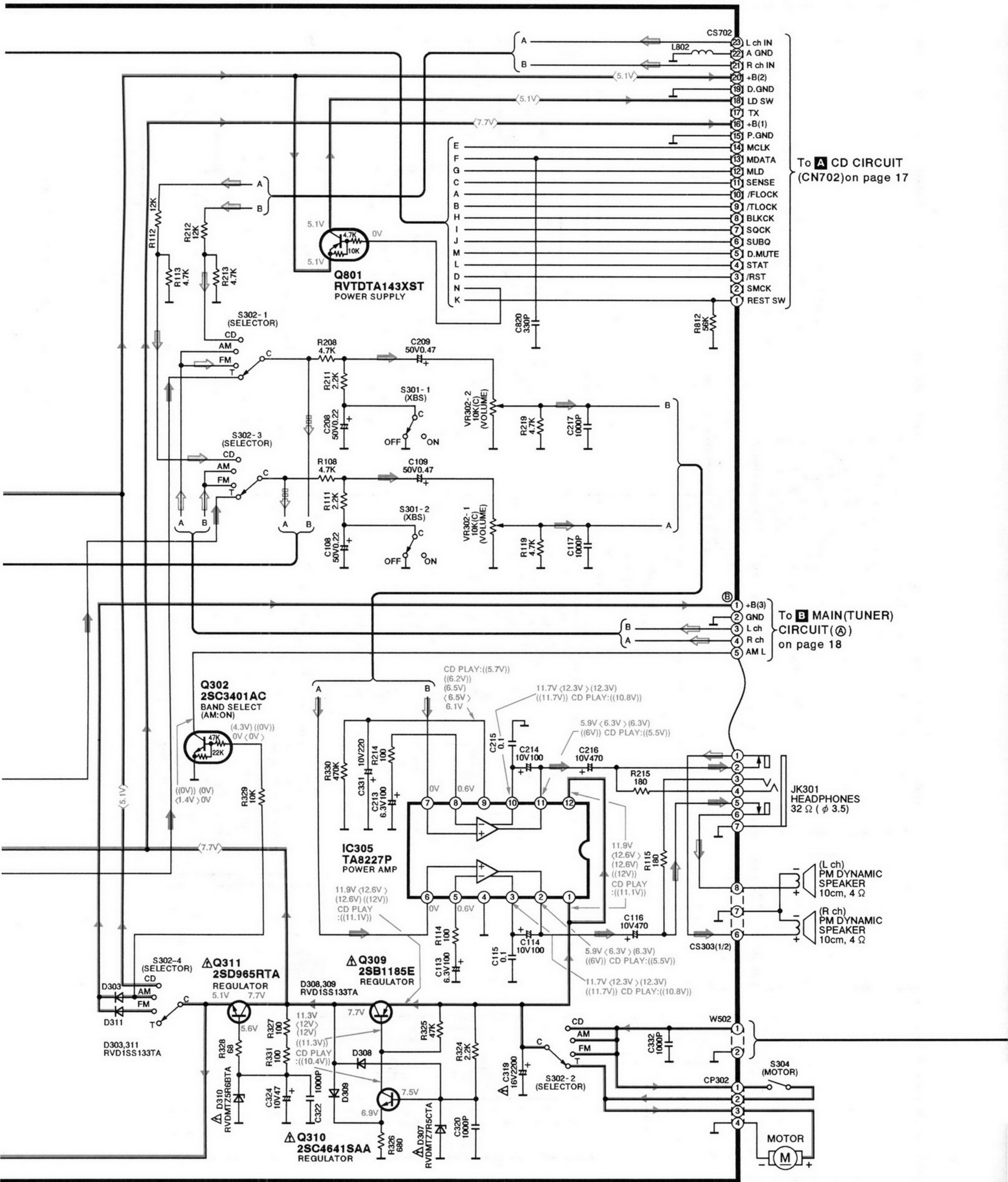
B MAIN(TUNER)CIRCUIT (P.C.Board:on page 23)



- ⇨ : FM Signal Line
- ➡ : Tape Playback Signal Line
- ⇨ : Record Signal Line
- ➡ : + B Line

B MAIN(DECK)CIRCUIT (P.C.Board:on page 23)



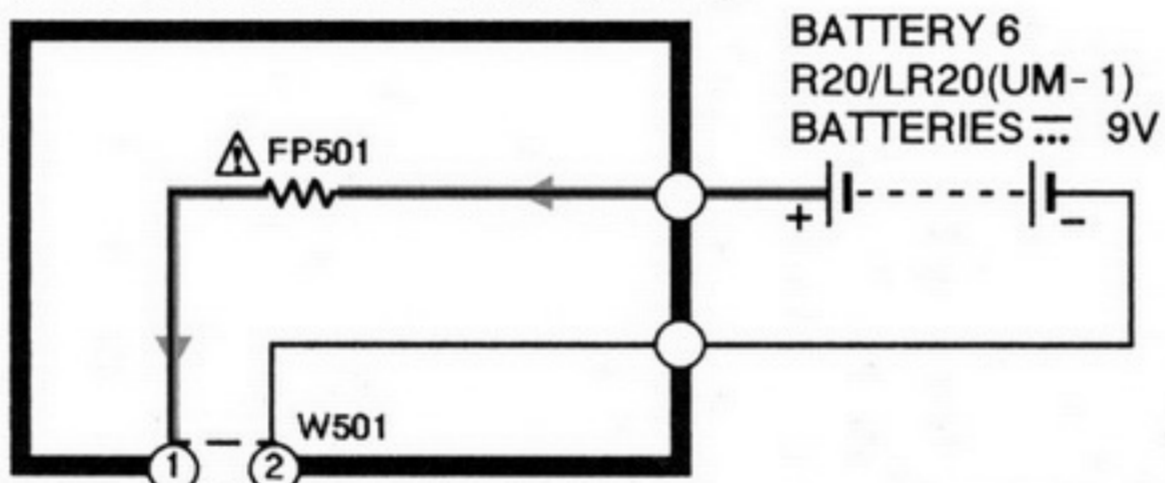


To **A** CD CIRCUIT (CN702) on page 17

To **B** MAIN(TUNER) CIRCUIT (A) on page 18

-  : CD Signal Line
-  : Main Signal Line
-  : FM Signal Line
-  : Tape Playback Signal Line
-  : Record Signal Line
-  : + B Line

E BATTERY TERMINAL CIRCUIT
(P.C.Board: on page 23)



F POWER SUPPLY CIRCUIT (P.C.Board: on page 24)

