

Service Manual

TOP NEXT

AD0302029C1

A6

Service Manual

Portable CD Player



SL-SV550P
SL-SV550PC

Colour

(S).....Silver Type



Specifications

● CD section	
CD-DA	
No. of channels:	2 channels (left and right, stereo)
Frequency response:	20 to 20,000 Hz (-10 dB to 0 dB)
DA converter:	1 bit, MASH
Headphones output level:	RMS max. 8 mW/16 Ω (adjustable)
MP3	
Supported bit-rates:	32 kbps, 48 kbps, 96 kbps, 128 kbps (128 kbps recommended)
Supported sampling frequency:	48 kHz/44.1 kHz/32 kHz
Maximum number of tracks (sum of albums and tracks):	999
Maximum album levels:	100
Pickup:	Diode laser
Light source:	780 nm
● RADIO section	
Frequency	
FM:	87.9 – 107.9 MHz (0.2 MHz steps)
FM:	87.5 – 108.0 MHz (0.1 MHz/0.05 MHz steps)
AM:	520 – 1710 kHz (10 kHz steps)
AM:	522 – 1629 kHz (9 kHz steps)
IF:	
FM:	10.7 MHz
AM:	450 kHz
Audio	
Selectivity:	
FM:	42 dB
AM:	7.4 kHz (6 dB) 21dB/9 kHz
Sensitivity:	
FM:	7.9 μV/0.5 mW output (S/N30 dB)
AM:	1000 μV/m/0.5 mW output (MAX)
● General	
Power supply:	
DC input (via optional AC adaptor):	DC 4.5 V
Operational temperature range:	0 – 40 degree (32 – 104 fahrenheit)
Power consumption:	MP3 disc/CD-DA disc/ RADIO
AC adaptor:	3.2 W/ 3.2 W/ 2.5 W
Playing time:	
[Approximate operating time in hours (playing MP3 at the recommended bitrate of 128 kbps, with HOLD on and S-XBS canceled, at 25 degree (77 fahrenheit) on a flat, stable surface).]	
Battery used:	MP3 disc/CD-DA disc/ RADIO (FM BAND)
2 optional alkaline batteries (LR6):	
Approx. 35 h/ 23 h/ 75 h	
● The play time may be less depending on the operating conditions.	
● Play time will be considerably reduced when playing CD-RW.	
Dimensions (W×H×D):	
135×25.8×135 mm	
(5 1/4" × 1 1/8" × 5 1/8")	
Mass:	
223 g (7.9 oz.) (with batteries)	
177 g (6.2 oz.) (without batteries)	
Power consumption in standby mode (AC adaptor):	
2.5 W	
Notes: Specifications are subject to change without notice.	
Mass and dimensions are approximate.	
Note on CD-R and CD-RW	
This unit can play CD-R and CD-RW recorded with CD-DA or MP3. Use an audio recording disc for CD-DA and finalize* it when you finish recording. The unit may not be able to play some discs due to the condition of the recording.	
*A process performed after recording that enables CD-R/CD-RW players to play audio CD-R and CD-RW.	

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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

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7.1 How to display automatic adjustment results

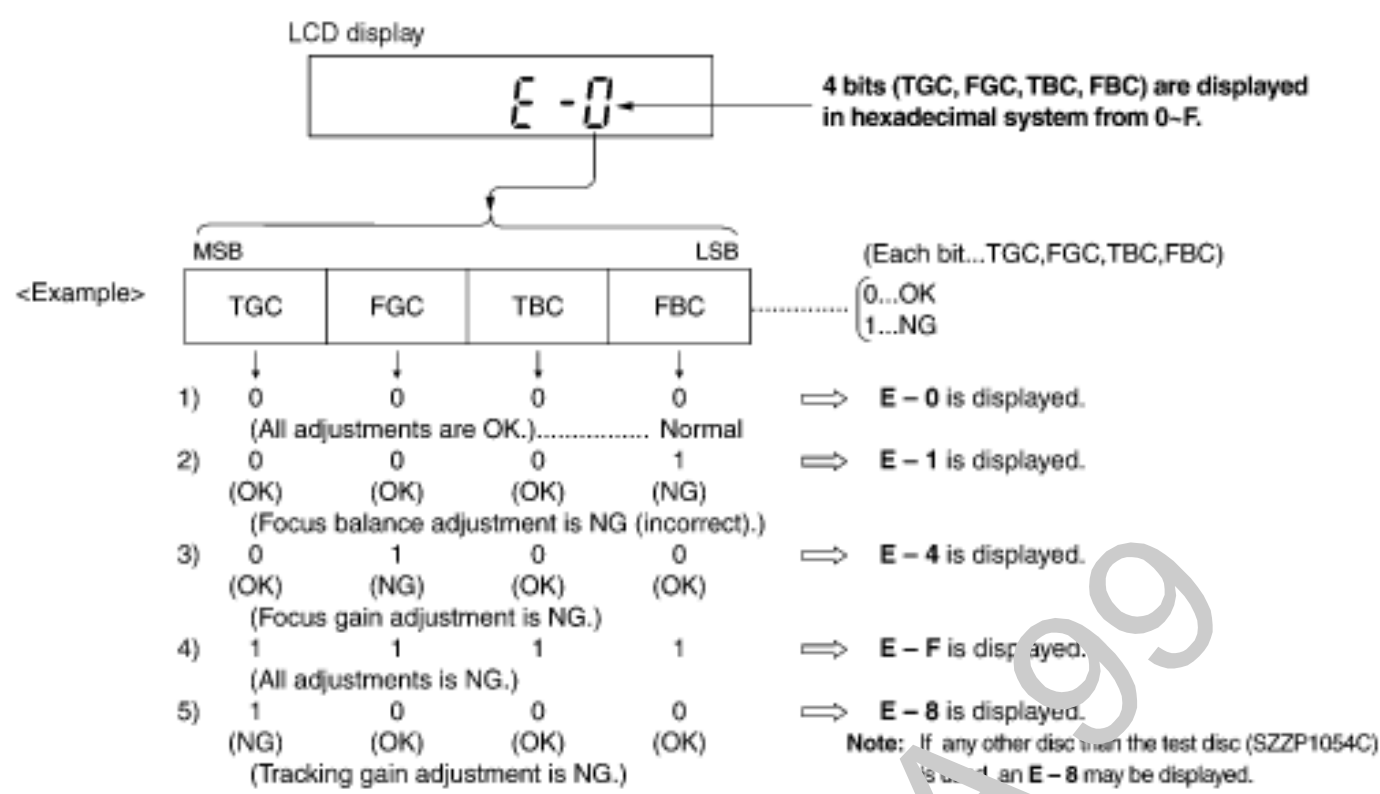
[TOP](#) [PREVIOUS](#) [NEXT](#)

1. Set power source voltage to 4.5 V DC. (AC adaptor IN)
2. Load the test disc (SZZP1054C).
3. Press the VOL- and S-XBS buttons simultaneously and hold them, and additionally press the  (PLAY/PAUSE) button.
4. Press the  (STOP/OPR OFF) button once.
5. An automatic adjustment result is displayed on the LCD.

[TOP](#) [PREVIOUS](#) [NEXT](#)

7.2 Display of automatic adjustment results (Self-Check Function)

[TOP](#) [PREVIOUS](#) [NEXT](#)



<Example>

Follow the below steps when E-1 is displayed.

(Cause: Focus balance (FBC) is set beyond the limit.)

- Check if
 - the waveform or voltage of the focus servo circuit is correct, and
 - the optical pick-up returns to the normal state by exchanging the traverse deck.

Follow the below steps when E-4 is displayed.

(Cause: Focus gain (FGC) is set beyond the limit.)

- Check if
 - the waveform or voltage of the focus servo circuit is correct,
 - the focus coil of the optical pick-up is correct (around 8 ohms), and
 - the optical pick-up returns to the normal state by exchanging the traverse deck.

Follow the below steps when E-F is displayed.

(Cause: All adjustments (TGC, FGC, TBC, FBC) are set beyond the limit.)

- Check if

1. the optical pick-up returns to the normal state by exchanging the traverse deck, and
2. the waveform or voltage of the servo ICs are correct.

Note:

It is not always necessary to exchange the traverse deck when an error message is displayed.

Be sure to check if the circuit is defective or not before exchanging the traverse deck.

Note:

If any other disc than the test disc (SZZP1054C) is used, an error message may be displayed.

This is not a malfunction.

[TOP](#) [PREVIOUS](#) [NEXT](#)

SCHEMA 99

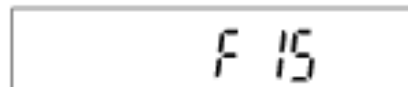
8 Display of Self-Diagnostic Function

[TOP](#) [PREVIOUS](#) [NEXT](#)

This unit (SL-SV550) has self-diagnostic function. It may display below-mentioned on the LCD of this unit.

- ▮ The substance of self-diagnostic display.

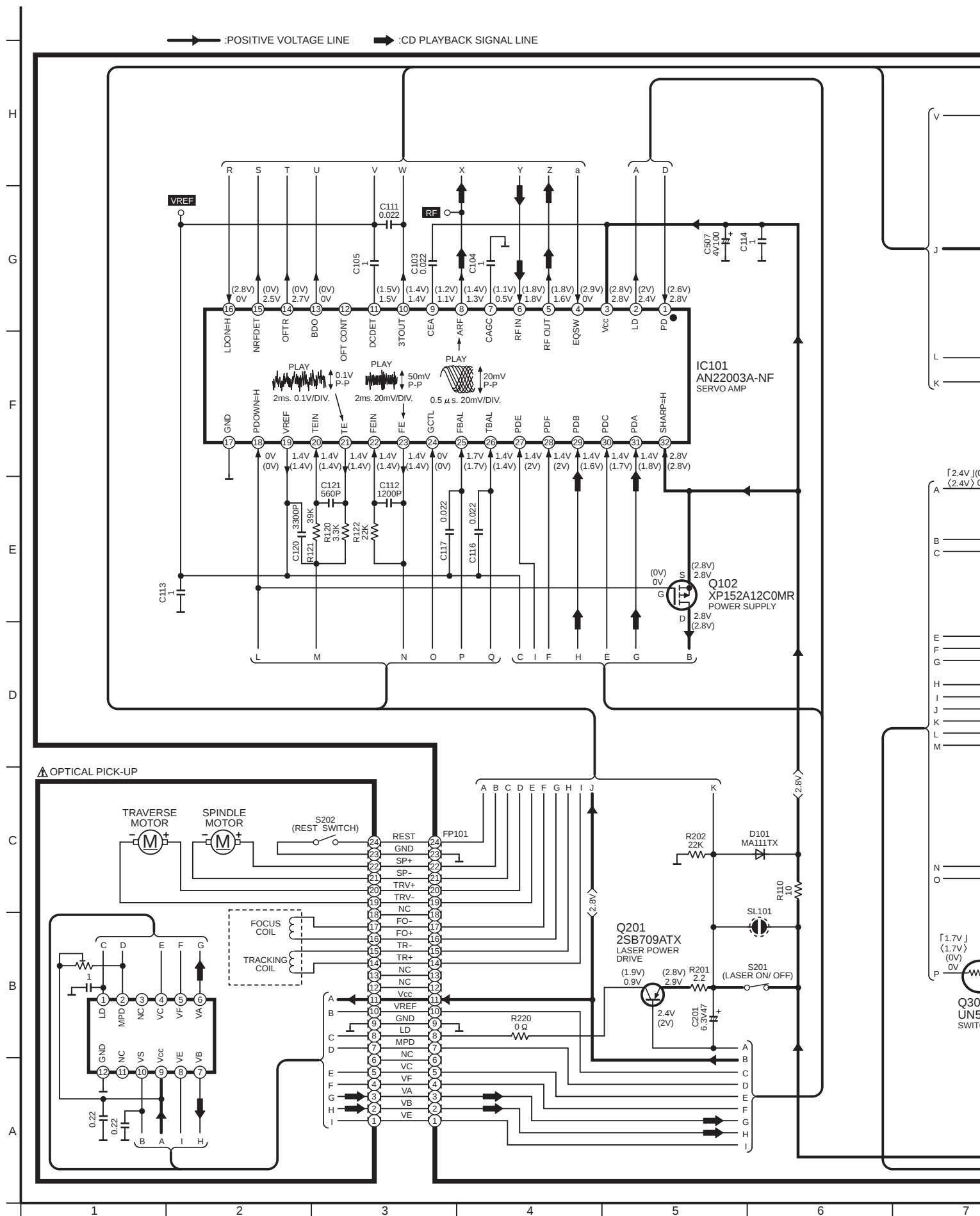
LCD display

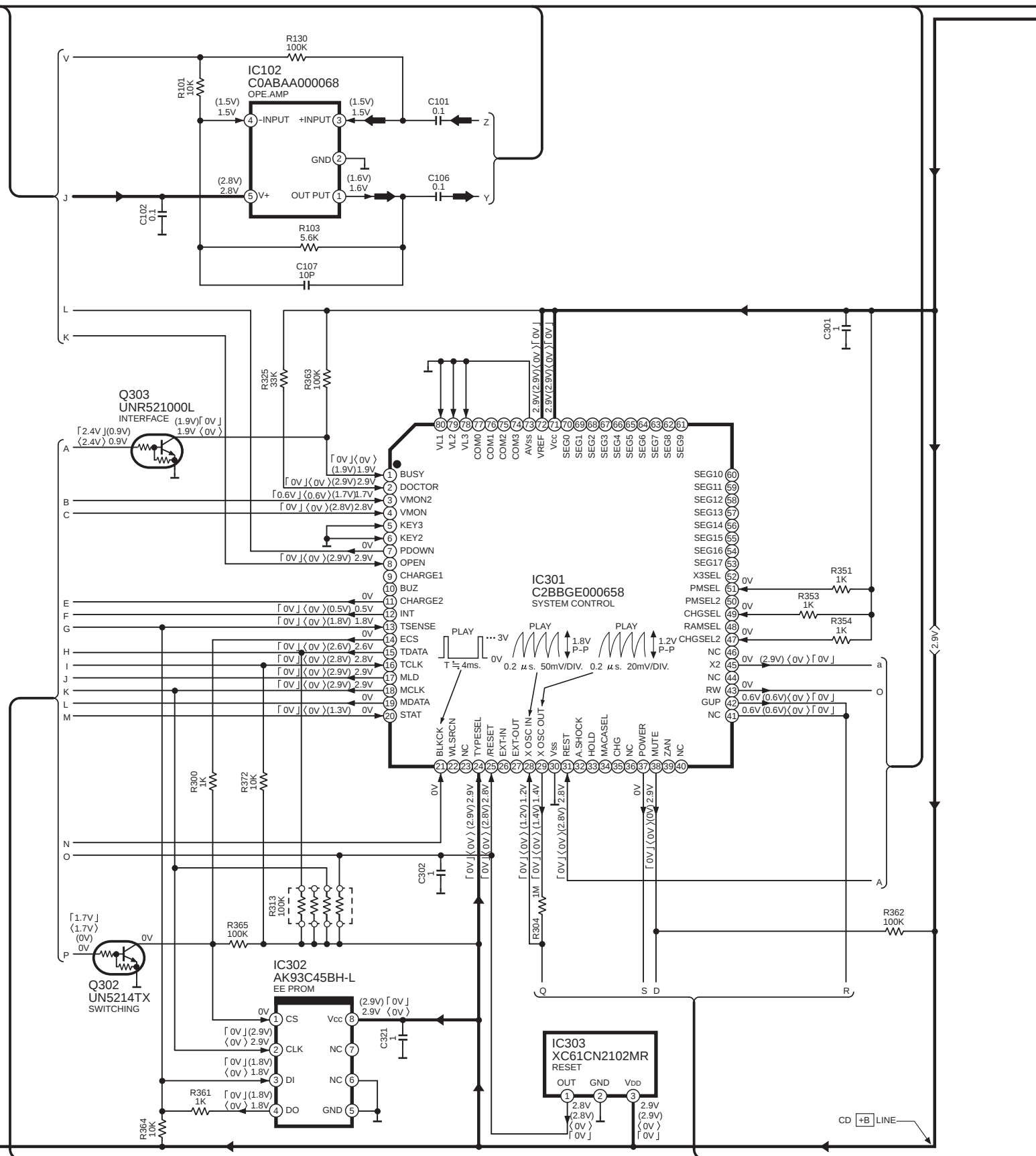


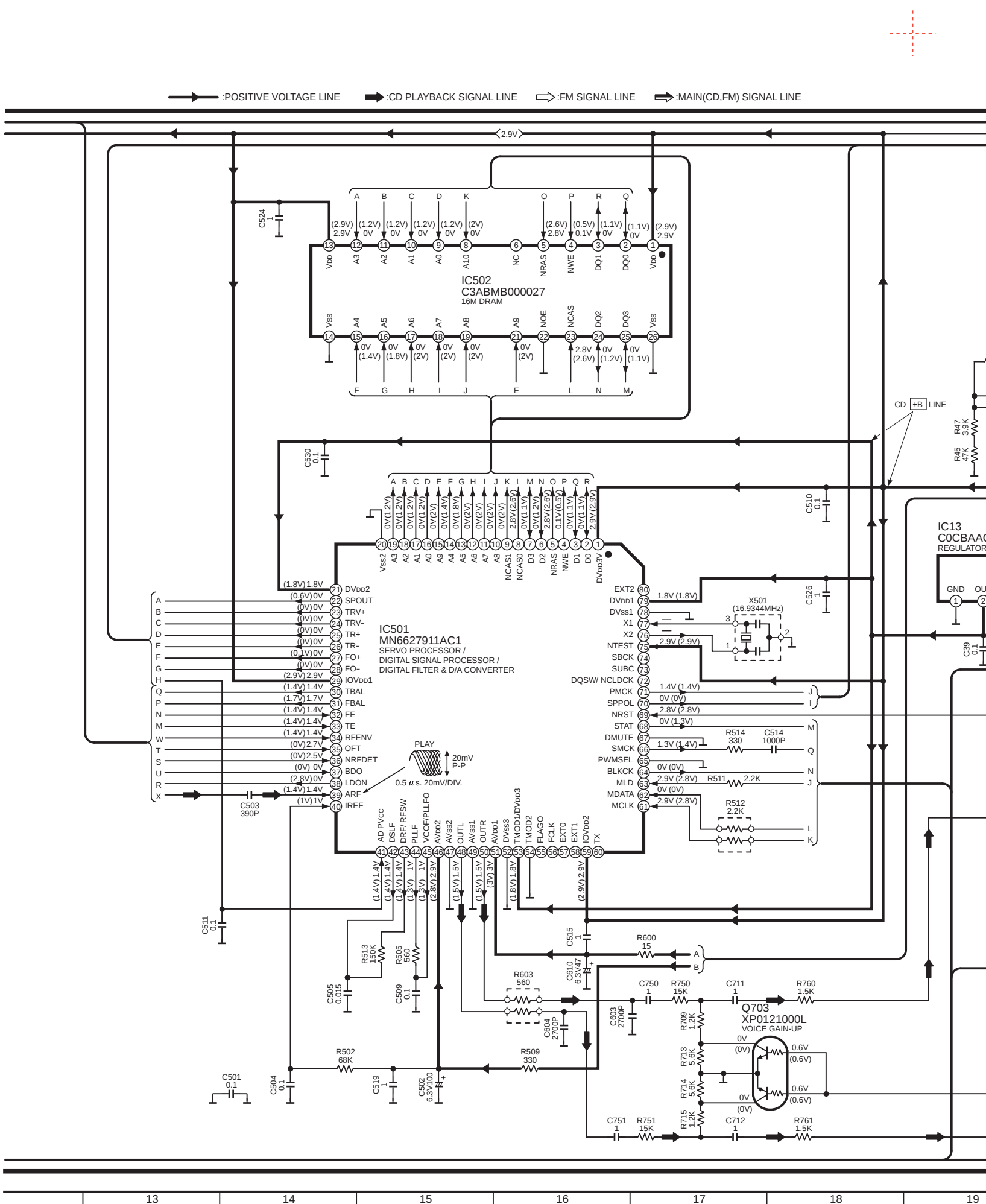
(Press PLAY and STOP button. After 15 seconds, it is displayed for 2 seconds.)

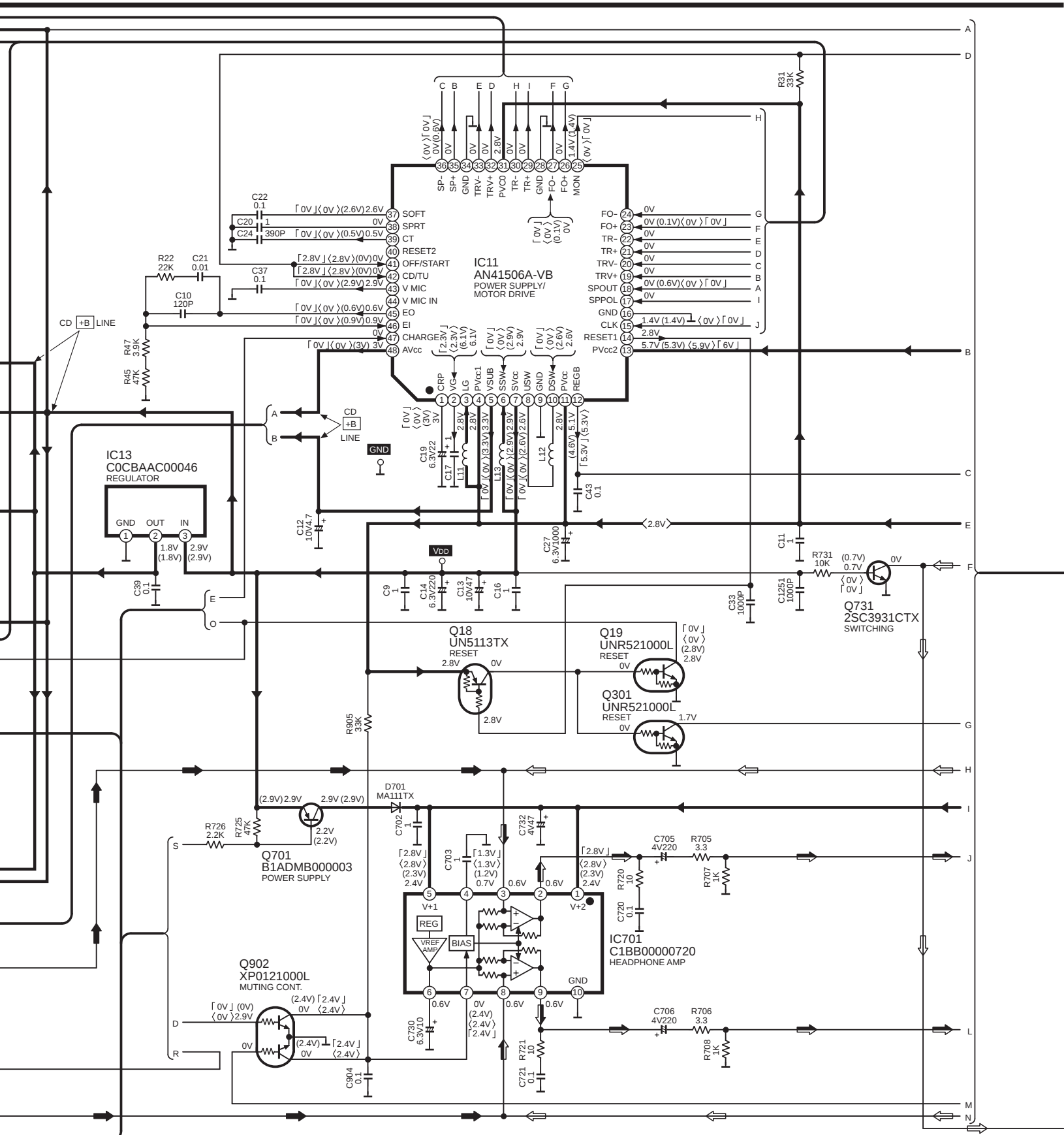
In case of this display, it may be causing for abnormally movements of traverse deck, touching failure of REST detect switch and coming off or cutting off the flexible P.C.B.. It is necessary for confirmation or repair and replacement each parts.

[TOP](#) [PREVIOUS](#) [NEXT](#)









→ : POSITIVE VOLTAGE LINE ⇨ : FM SIGNAL LINE

