

Service Manual

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AD0002036C2

Service Manual

Portable CD Player



SL-S214

Traverse Deck: RAE0145Z Mechanism series

Colour

(A).....Blue Type [(EG) area only]

(S).....Silver Type

Areas

(E).....Great Britain.

(EG).....Europe and CIS.



Specifications

Audio (Anti-shock memory OFF)

No. of channels:	2 channels (left and right, stereo)
DA converter:	1 bit, MASH
Headphones output level:	Max. 9 mW +9 mW/16 Ω (adjustable) stereo mini jack diameter 3.5

Pickup	
Light source:	Semiconductor laser
Wavelength:	780 nm

General

Operational temperature range:	0 – 40 degree
Rechargeable temperature range:	5 – 40 degree
Power supply:	DC 4.5 V
Power consumption:	Anti-shock memory OFF/ON
AC adaptor;	3.3 W / 3.5 W
Battery (DC 3V);	0.4 W / 0.4 W
When recharging;	4.2 W

Playing time:	(When used in hold mode, with S-XBS canceled at 25 degree temperature, on a flat, stable surface.)
Battery used:	Anti-shock memory OFF
Panasonic Alkaline dry cell batteries (LR6, 2pcs.);	Approx. 20 h / 16 h
Optional Rechargeable batteries (P-3GAVE/2B);	Approx. 8.5 h / 8 h
The play time may be less depending on the operating conditions	
Recharging time:	Approx. 5 h

Dimensions (W × H × D):	128 × 25.8 × 144 mm
Mass:	257 g with batteries 212 g without batteries

Notes: Specifications are subject to change without notice.
Mass and dimensions are approximate.

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7 Automatic Adjustment Results Display Function/ (Self-Check Function)

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On the unit (SL-S214), each automatic adjustment result are displayed on the LCD. This function is convenient to check or identify which automatic adjustment circuit is incorrect.

The followings are the contents of the automatic adjustment result displays (Self-Check Function).

[7.1 How to display automatic adjustment results](#)

[7.2 Display of automatic adjustment results \(Self-Check Function\)](#)

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7.1 How to display automatic adjustment results

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1. Load the test disc (SZZP1054C).

2. Press the



(SKIP/SEARCH) and (SKIP/SEARCH) buttons simultaneously and hold them, and additionally press the (PLAY/PAUSE) button.

3. Press the



(STOP, OPR OFF) button once.

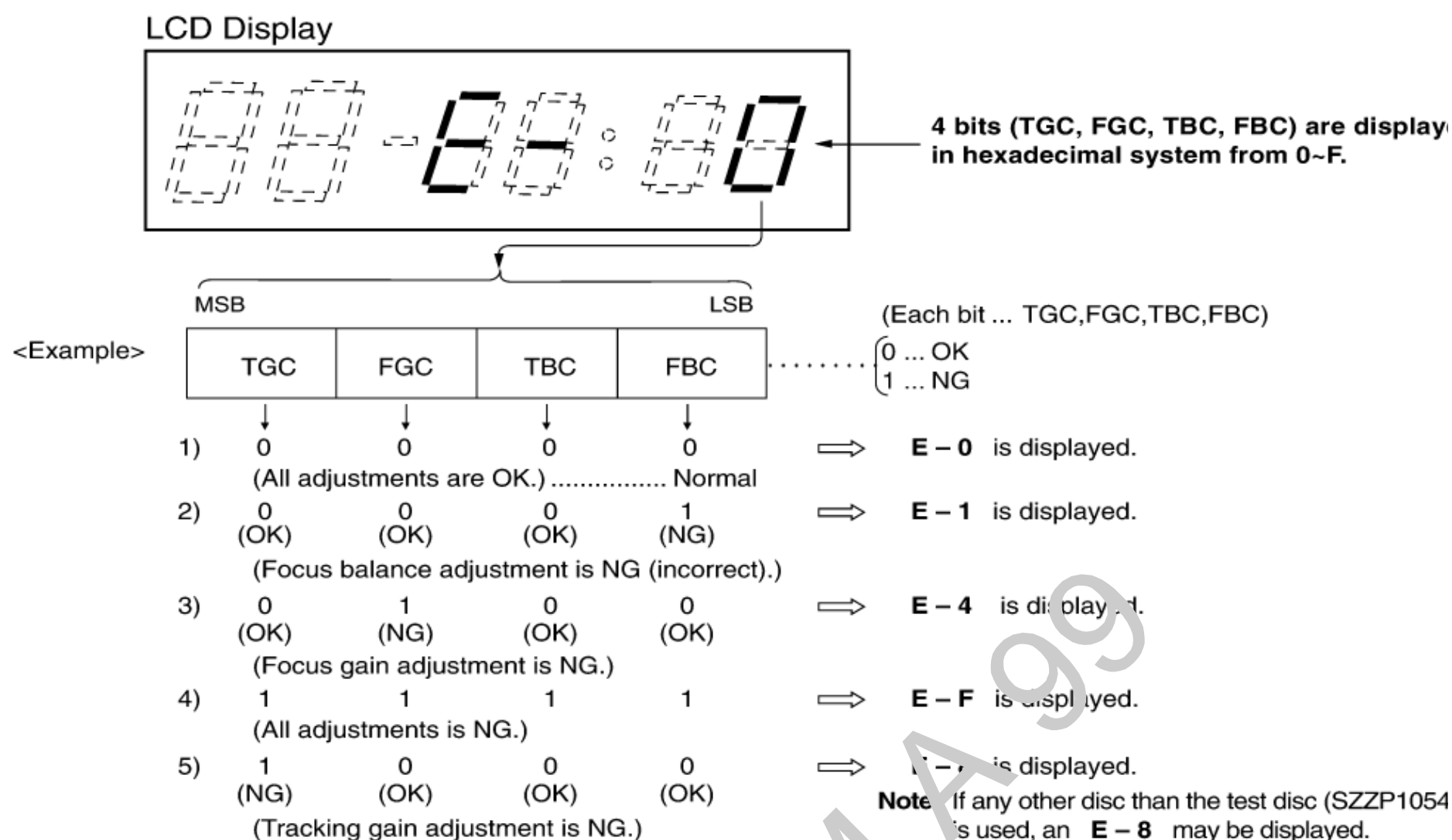
4. An automatic adjustment result is displayed on the LCD.

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

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<Example>

Follow the below steps when E-1 is displayed.

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

Check if

1. the waveform or voltage of the focus servo circuit is correct, and
2. the optical pickup 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

1. the waveform or voltage of the focus servo circuit is correct,
2. the focus coil of the optical pickup is correct (around 15 ohms), and
3. the optical pickup 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 pickup returns to the normal state by exchanging the traverse deck, and
2. the waveform or voltage of the servo ICs (IC101,501) 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.

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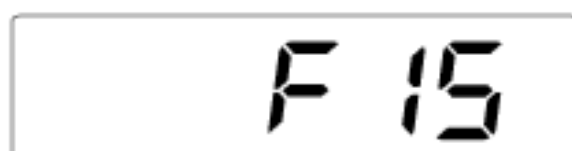
8 Display of Self-Diagnostic Function

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This unit (SL-S214) 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.)

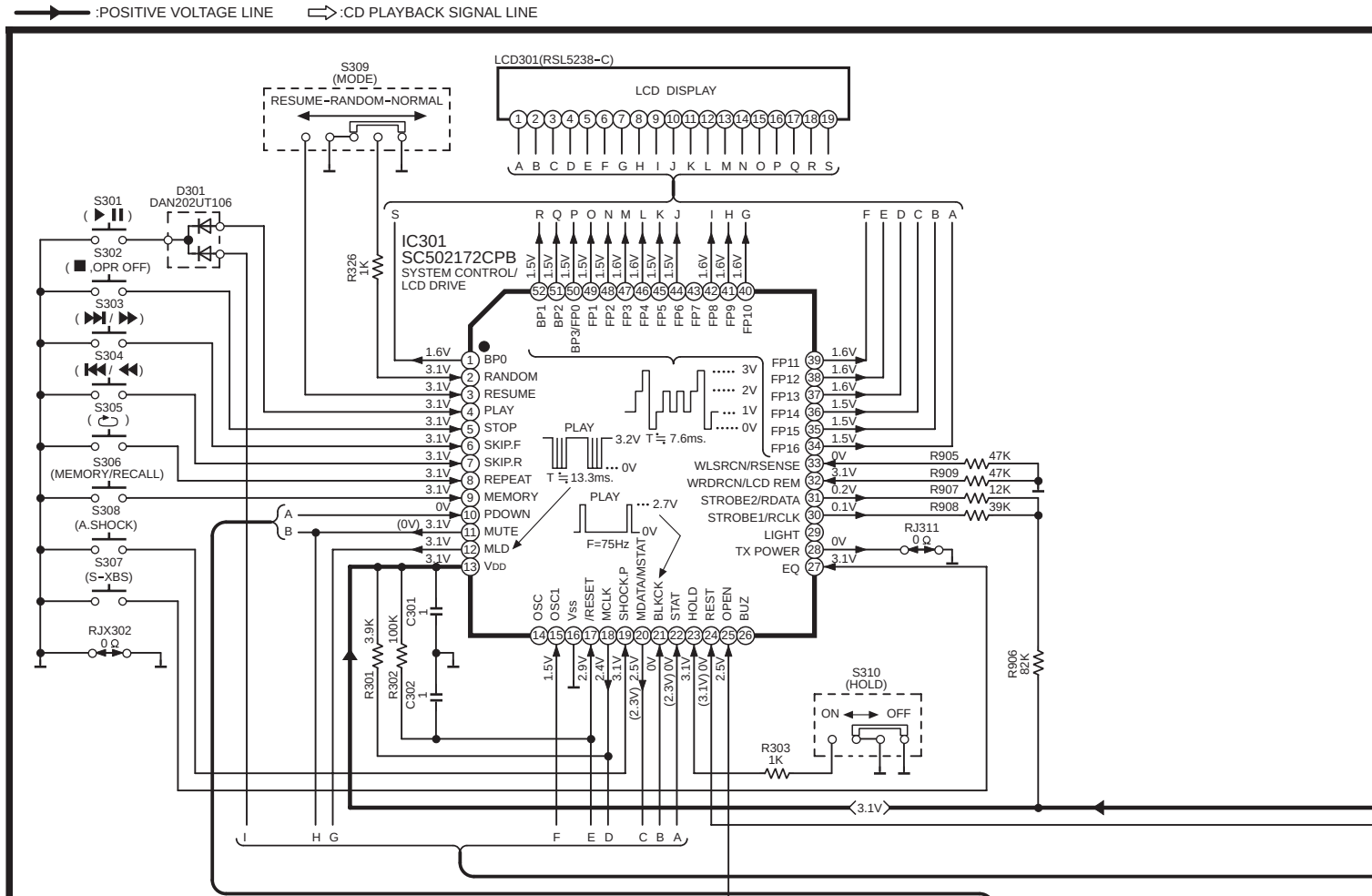
In case of this display, it may be causing for abnormally movements of traverse deck, touching failure of REST detect switch and coming off or cutting off the flexible P.C.B.. It is necessary for confirmation or repair and replacement each parts.

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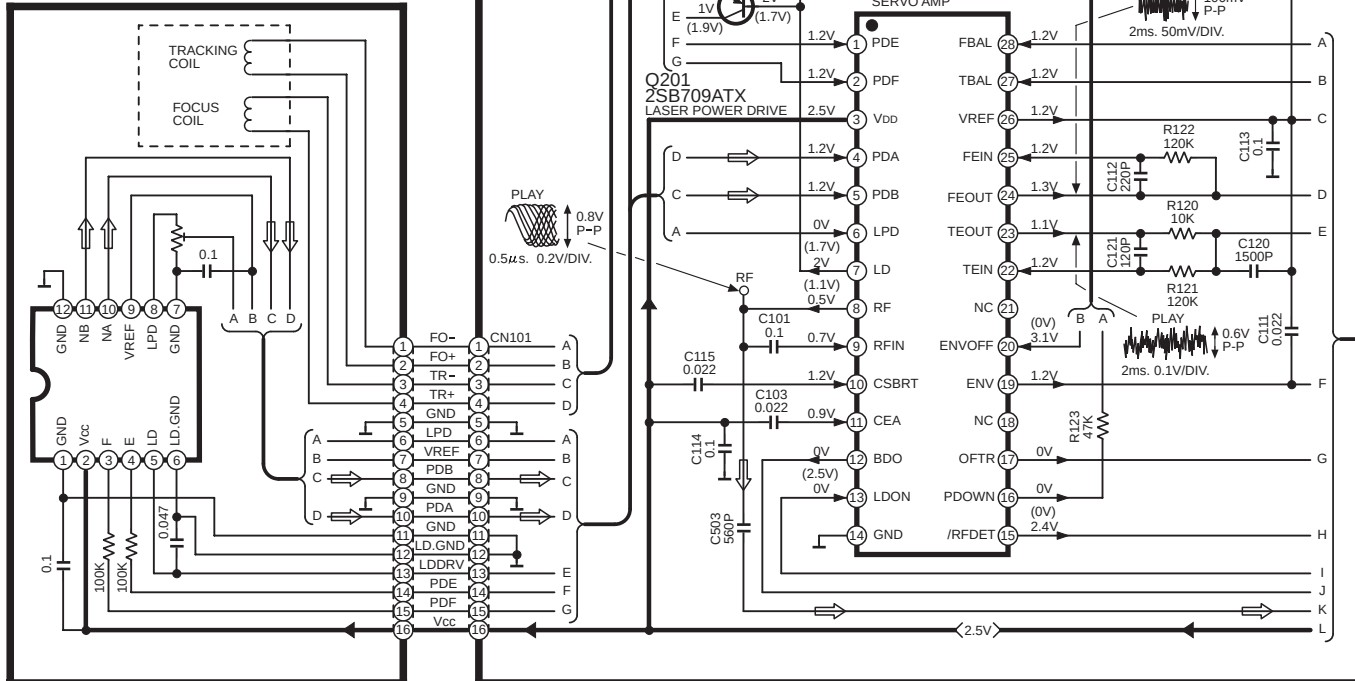
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→ : POSITIVE VOLTAGE LINE

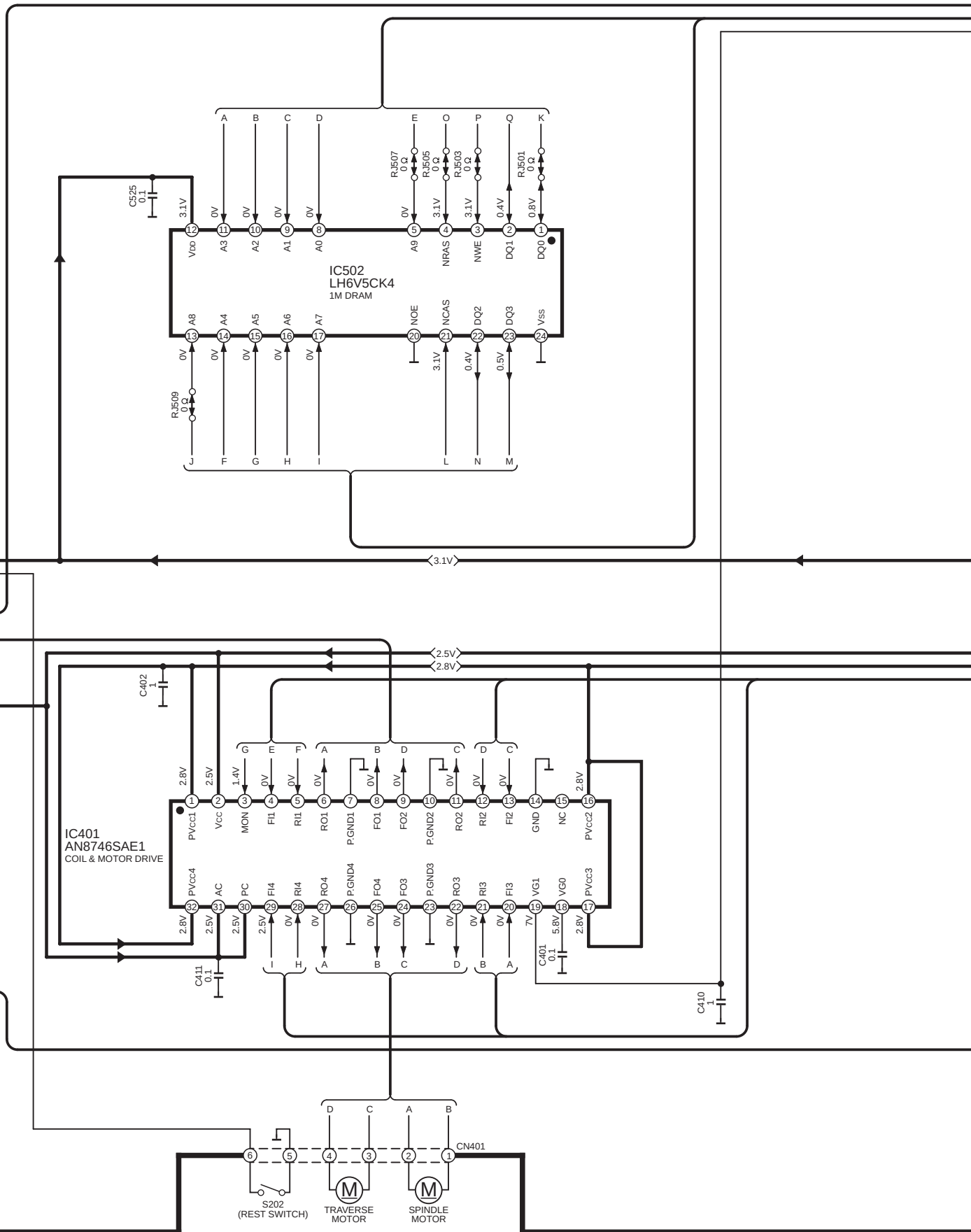
⇨ : CD PLAYBACK SIGNAL LINE

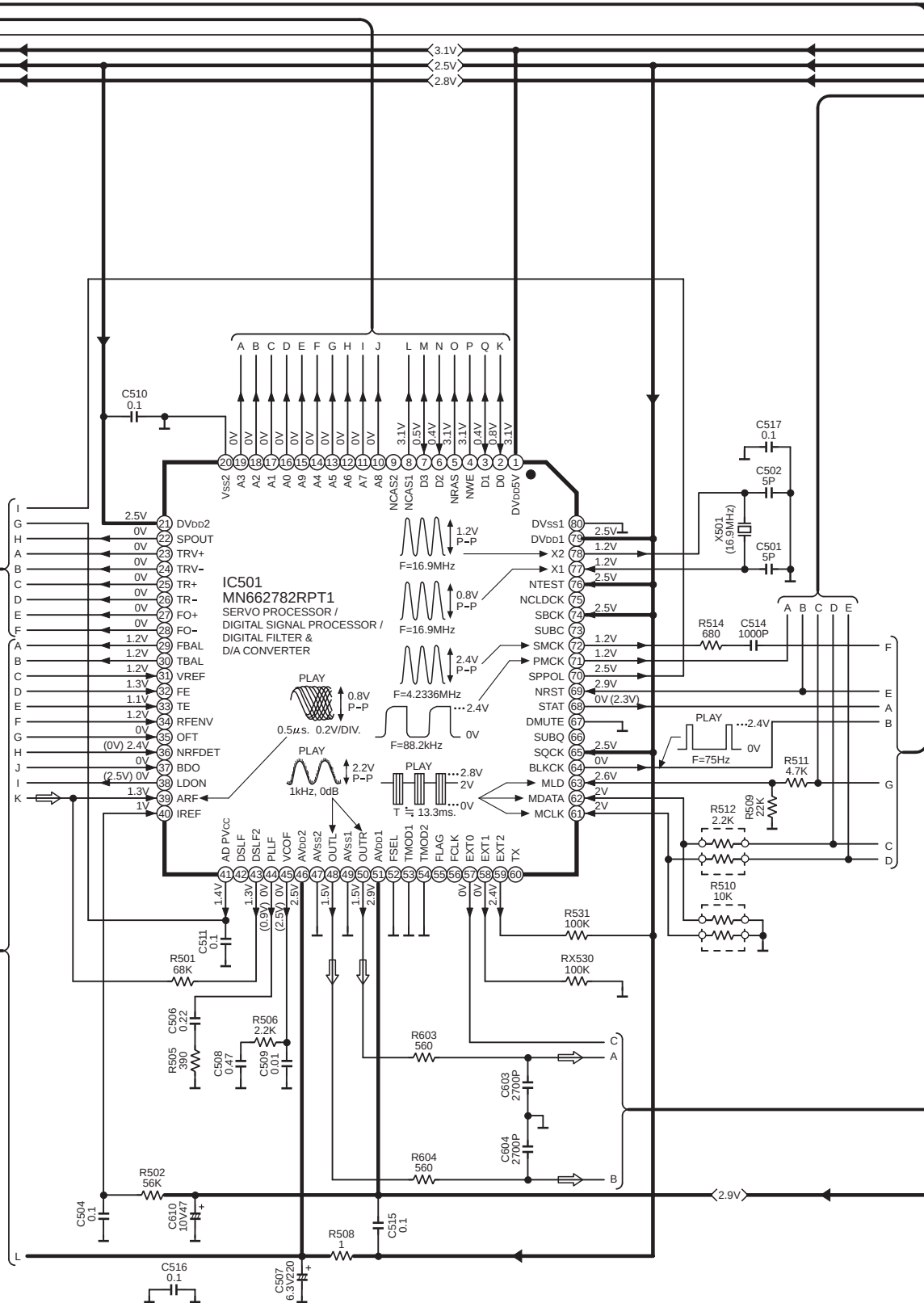


OPTICAL PICKUP



→ : POSITIVE VOLTAGE LINE





→ : POSITIVE VOLTAGE LINE

