



# Adjustment - Sanyo DC-T44 Service Manual



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## Bookmarks







CD:

## ADJUSTMENT

Measurement instruments

In the adjustment, use the relay cord : 614 229 7094

6)

### CD ADJUSTMENT

Test Disc

YEDs18(solyp  
For connection  
PC8 :  
@Oscilloscope

• Measurement instruments

- ① Test Disc : YEDS18(SONY)
- ② Oscilloscope : 10MHz class or Storage scope  
Oscilloscope : 10MHz class or DC voltage mater
- ③ Frequency Counter
- ④ Adjustment Driver (Non metallic) : for SVR11

In the adjustment, use  
For connection PCB :  
CD MAIN

10 MHz class or Storage scope  
CD MAIN  
PCB(CN142) and SERVO D/A  
PCB(CN105)  
Oscilloscope

ITEM	CONNECTION	PARTS	REMARK
	Frequency Counter		

10 MHz class or DC voltage mater  
 @ Frequency Counter  
 @ Adjustment  
 Driver (Non metallic)  
 : for SVR11

ITEM  
 CONNECTION  
 PARTS  
 REMARKS

## CD ADJUSTMENT

@ PLL VCO Free Run  
 Frequency Counter  
 (PLCK-GND)  
 T102  
 4.30 f 0.01 MHz  
 @ Tracking  
 Balance  
 Oscilloscope  
 (TE - GND)  
 SVR11  
 Symmetrical  
 Waveform  
 1.  
 INITIAL  
 ~  
 Perform  
 initial setting  
 for SVR11 as shown in fig.4.

- Measurement instruments
- ① Test Disc : YEDS18(SONY)
- ② Oscilloscope : 10MHz class or Storage scope
- Oscilloscope : 10MHz class or DC voltage mater
- ③ Frequency Counter
- ④ Adjustment Driver (Non metallic) : for SVR11

In the adjustment, use  
 For connection PCB :  
 CD MAIN

ITEM	CONNECTION	PARTS	REMARKS
① PLL VCO Free Run	Frequency Counter (PLCK - GND)	T102	4.30 ± 0.01
② Tracking Balance	Oscilloscope (TE - GND)	SVR11	Symmetrical V

### 1. INITIAL FREERUN FREQUENCY ADJUSTMENT FOR PLL-VCO.

① Perform initial setting for SVR11 as shown in fig.4.

### 2. FREERUN FREQUENCY ADJUSTMENT FOR PLL-VCO.

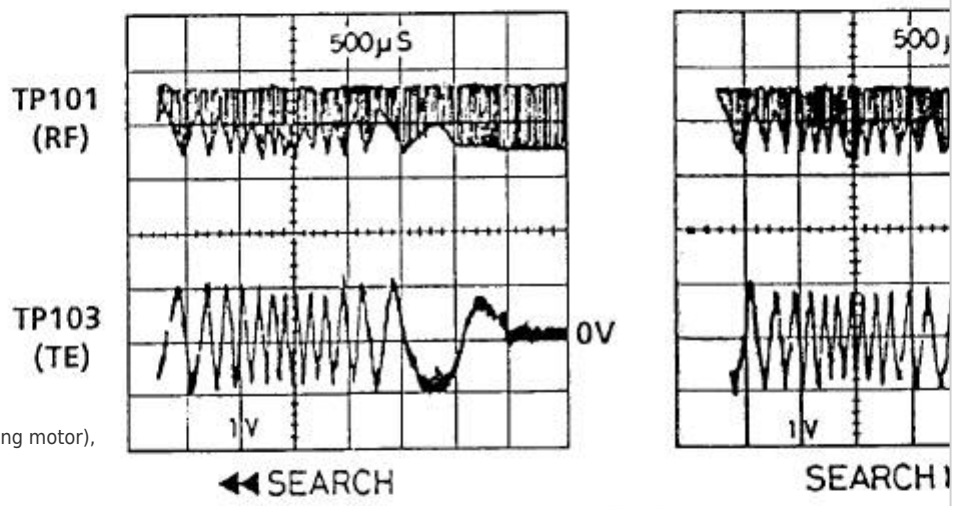
- ① Connect the frequency counter to TP37(H),TP104(E).
- ② Turn on the power of the unit.
- ③ Adjust T102 so that the frequency counter reads 4.30 ± 0.01MHz.

If this adjustment is no good, get the long seek time, not read TOC, not sound in the reverse and it may wound the disc.

### 3. TRACKING BALANCE

- ① Connect the oscilloscope to TP103(TE), TP104(E).
  - ② Turn on the power of the unit.
  - ③ Insert Test Disc and press the Play button.
  - ④ Continuously press the forward(or reverse) search button.
  - ⑤ Adjust SVR11 so that the waveform of TP103(TE) is vertically symmetrical relative to DC0V level.
- If this adjustment is imperfect, become run away the sled motor (pick sending motor), inferior playability.

@ Turn on the power of the un-  
 @ Insert Test Disc and press the Play button.  
 @ Continuously press the forward(or reverse) search button.  
 @ Adjust SVR11 so that the waveform of TP103(TE) is vertically symmetrical relative to DC0V level. (Refer to fig.l).



If this adjustment is imperfect, become run away the sled motor (pick sending motor), inferior playability.

TP101  
(RF)  
-  
TP103  
(TE)  
0V

## 44 SEARCH CD ADJUSTMENT

Eye  
Pattern  
(Refer  
Figure)

0V  
SEARCH \*

Fig.1

V: 5001nV/div H: 0.5P S/dv

### • Measurement instruments

- ① Test Disc : YEDS18(SONY)
- ② Oscilloscope : 10MHz class or Storage scope
- ③ Frequency Counter
- ④ Adjustment Driver (Non metallic) : for SVR11

In the adjustment, use  
For connection PCB :  
CD MAIN

ITEM	CONNECTION	PARTS	REMARK
Ⓐ PLL VCO Free Run	Frequency Counter (PLCK - GND)	T102	4.30 ± 0.01
Ⓑ Tracking Balance	Oscilloscope (TE - GND)	SVR11	Symmetrical V

### 1. INITIAL

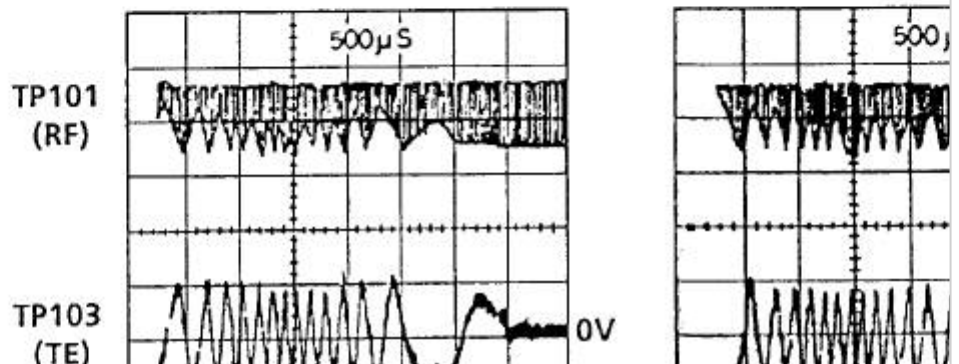
- ① Perform initial setting for SVR11 as shown in fig.4.

### 2. FREERUN FREQUENCY ADJUSTMENT FOR PLL-VCO.

- ① Connect the frequency counter to TP37(H),TP104(E).
- ② Turn on the power of the unit.
- ③ Adjust T102 so that the frequency counter reads  $4.30 \pm 0.01$  MHz.
  - If this adjustment is no good, get the long seek time, not read TOC, not sound in the reverse and it may wound the disc.

### 3. TRACKING BALANCE

- ① Connect the oscilloscope to TP101(RF), TP103(TE).
  - ② Turn on the power of the unit.
  - ③ Insert Test Disc and press the Play button.
  - ④ Continuously press the forward(or reverse) search button.
  - ⑤ Adjust SVR11 so that the waveform of TP103(TE) is vertically symmetrical relative to DC 0V.
- If this adjustment is imperfect, become run away the sled motor (pick sending motor).



500ns

-1-

TP1  
-18-  
Fig.2

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[Speaker System Sanyo DC-F380 Manual](#)

Mini component system (21 pages)

[Speaker System Sanyo DC-LD5 Instruction Manual](#)

Midi component system with fully compatible disc player (31 pages)

[Speaker System Sanyo DC-DA380 Service Manual Supplement](#)

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