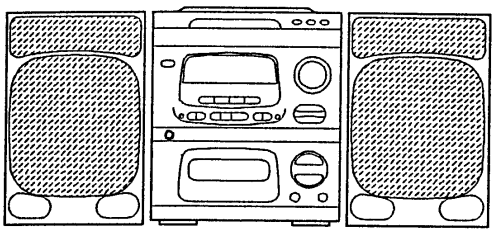
aiwa

aiwa SERVICE

NSX-450G
NSX-400
CX-N4500G
CX-N4000
CX-N3900
CX-N450G
CX-N400
CX-NAP1



COMPACT DISC STEREO SYSTEM

- BASIC TAPE MECHANISM: 2ZM-1 R2N
- BASIC CD MECHANISM: 4ZG-1TGFR <450G,4500G>
  4ZG-1TFR <EXCEPT 450G,4500G>
- TYPE: HE,HR,LH,HS,U,C
  EEZ,EZ,EE,K,Z,G

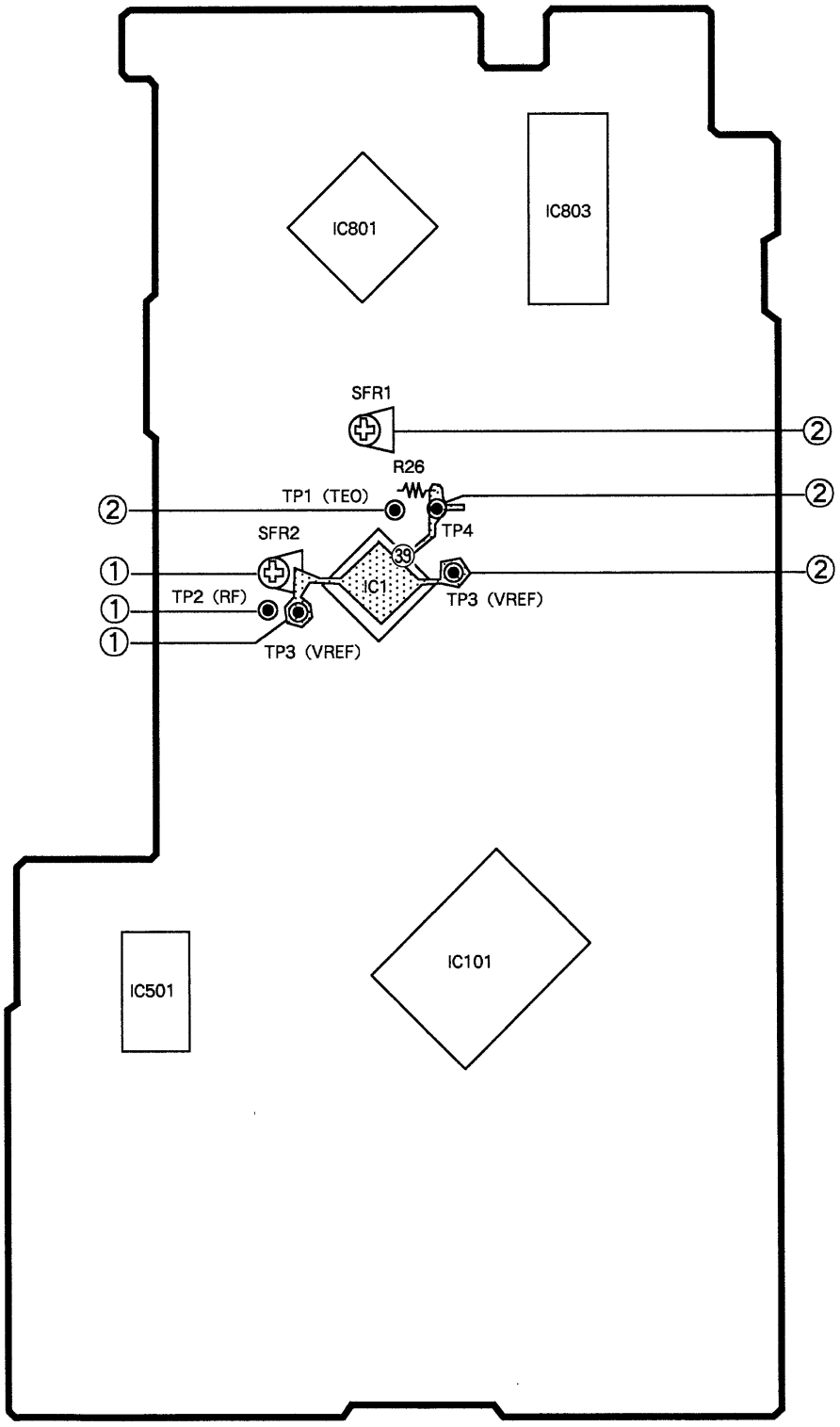
SERVICE MANUAL

- CD mechanism of NSX-450G/400,CX-N4500G/N4000/N3900/N450G/N400/NAP1 is changed from 1ZG-1 to 4ZG-1T.

- This Service Manual contains only electrical adjustment for CD block of NSX-450G/400,CX-N4500G/N4000/N3900/N450G/N400/NAP1.
  For CD biock, see Service Manual of 4ZG-1T (S/M Code No. 09-04C-086-20T).
  If requiring the other information, see Service Manual
  NSX-450G/400 ‹HE,HR,LH› (S/M Code No. 09-947-061-10T),
  NSX-400 ‹HS› (S/M Code No. 09-94C-087-50T),
  CX-N4500G/N4000/N3900 ‹U,C› (S/M Code No. 09-948-067-50T),
  CX-N450G/N400/NAP1 ‹EEZ,EZ,EE,K,Z› (S/M Code No. 09-949-071-40T),
  CX-N400 ‹G› (S/M Code No. 09-94A-074-30T).

S/M Code No. 09-951-092-50T

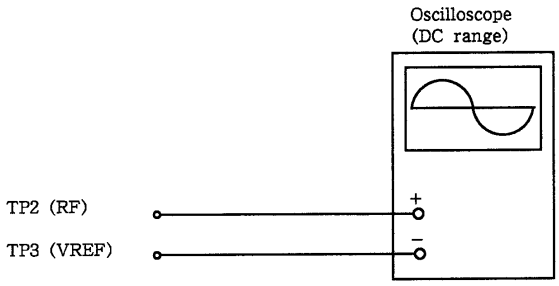
A 3CD C.B


IC801
IC803
SFR1
R26
TP1 (TEO)
TP4
SFR2
IC1
TP2 (RF)
TP3 (VREF)
TP3 (VREF)
IC501
IC101
2
2
2
2
1
1
1

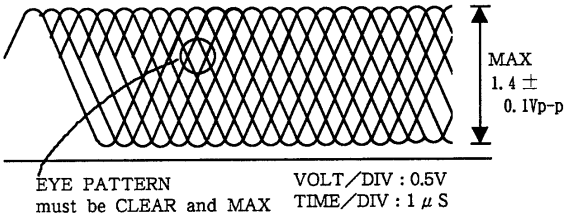
Note : Connect a probe (10 : 1) of the osilloscope to a test point.

1. Focus Bias Adjustment

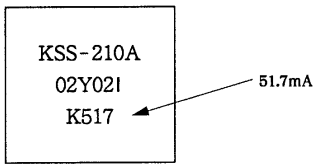
Make the focus bias adjustment when replacing and repairing the optical block.



1) Connect an oscilloscope to the test points TP2 (RF) and TP3 (VREF).
2) Turn on the power switch.
3) Insert test disc TCD-782 (YEDS-18) and play back the second composition.
4) Adjust SFR2 so that RF signal of the test point TP2 (RF) is MAX and CLEARREST.

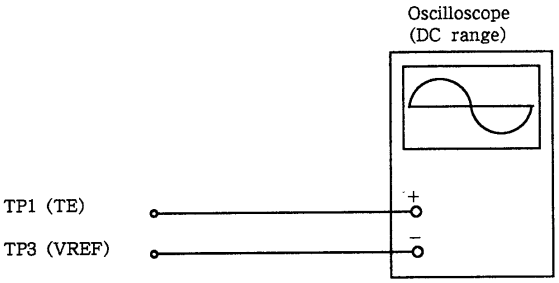


Note : The current of the laser signal can be checked with the voltages on both sides of R2 (10Ω). The difference for the specified value shown on the lavel must be withim ± 6.0mA.

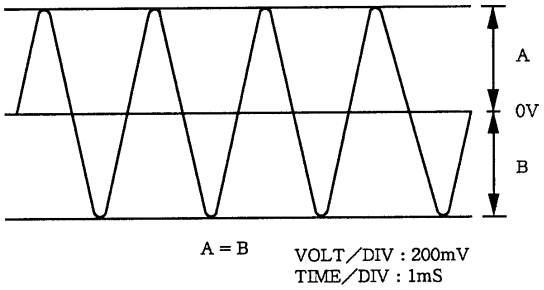


$$\text{Laser current Iop} = \frac{\text{Voltage across R2}}{10\,\Omega}$$

2. TRACKING Balance Adjustment



1) Short circut between TP3 (VREF) and TP4.
2) Connect an oscilloscope to the test points TP1 (TE) and TP3 (VREF).
3) Turn on the power switch.
4) Insert test disc TCD-782 (YEDS-18) and press the PLAY button.
5) Adjust SFR1 so that the waveform on the oscilloscope is vertically symmetrical as shown in the figure below.
6) After the adjustment is completed, remove the connected lead wires from the test point TP3 (VREF) and TP4.



サービス技術ニュース	
番 号	連絡内容
G－　－	
G－　－	
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アイワ株式会社
AIWA CO.,LTD.

921502 750038

Tokyo Japan

〒110 東京都台東区池之端１－２－11　☎ 03 (3827) 3111 （代表）

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