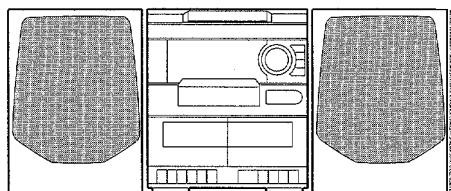


# aiwa



## NSX-S10



COMPACT DISC STEREO  
CASSETTE RECEIVER

- BASIC TAPE MECHANISM : TN-21ZSW-1716
- BASIC CD MECHANISM : 4ZG-1 BDLNM

- TYPE : HE

### SUPPLEMENT

6-19-344

SYSTEM	CD - CASSEIVER	SPEAKER	REMOTE CONTROLLER
NSX-S10	CX - NS10	SX - NS10	RC UNIT, 6AS14

- This Service Manual contains information about the difference between NSX-S10 (HE) and NSX-S10 (HR). If requiring the other information, see Service Manual of XG-S10/ NSX-S9/NSX-S10 (EZ,G,D,HR,HS,V). (S/M Code No. 09-979-212-6FP).

- If requiring information about the CD mechanism, see Service Manual of 4ZG-1, S/M Code No. 09-965-128-10T.

## SPECIFICATIONS

### <FM Tuner section>

**Tuning range** 87.5 MHz to 108 MHz  
**Usable sensitivity (IHF)** 16.8 dBf  
**Antenna terminals** 75 ohms (unbalanced)

### <MW Tuner section>

**Tuning range** 531 kHz to 1602 kHz (9 kHz step)  
 530 kHz to 1710 kHz (10 kHz step)  
**Usable sensitivity** 350 uV/m  
**Antenna** Loop antenna

### <SW Tuner section>

**Tuning range** 5.9000 MHz - 17.900 MHz  
**Antenna** Wire antenna

### <Amplifier section>

**Power output** Rated: 12 W +12 W (T.H.D.1 %, 6 ohms, 1 kHz)  
 Reference: 15 W +15 W (T.H.D. 10 %, 6 ohms, 1 kHz)  
**Total harmonic distortion** 0.3 % (6 W, 1 kHz, 6 ohms, DIN AUDIO)  
**Inputs** VIDEO/AUX: 400 mV  
**Outputs** SPEAKERS: accept speakers of 6 ohms or more  
 PHONES (stereo jack) : accepts headphones of 32 ohms or more

### <Cassette deck section>

**Track format** 4 tracks, 2 channels stereo  
**Frequency response** 50 Hz - 10000 Hz  
**Recording system** AC bias  
**Heads** Deck 1 : Recording/playback/erase head x 1  
 Deck 2 : Playback head x 1

### <Compact disc player section>

**Laser** Semiconductor laser ( $\lambda = 780 \text{ nm}$ )  
**D-A converter** 1 bit dual  
**Signal-to-noise ratio** 90 dB (1 kHz, 0 dB)  
**Harmonic distortion** 0.03% (1 kHz, 0 dB)  
**Wow and flutter** Unmeasurable

### <Speaker system SX-NS10>

**Cabinet type** 2 way, bass reflex (magnetic shielded type)  
**Speakers** Woofer : 120 mm cone type  
 Tweeter : 10 mm ceramic type  
**Impedance** 6 ohms  
**Output sound pressure level** 87 dB/W/m  
**Dimensions (W x H x D)** 220 x 302 x 238 mm  
**Weight** 2.5 kg (5lbs 8 oz)

### <General>

**Power requirements** 120 V/220 V-240 V AC, (switchable) 50/60 Hz  
**Power consumption** 50 W  
**Dimensions of main unit (W x H x D)** 260 x 308 x 335 mm  
**Weight of main unit** 4.4 kg

• Design and specifications are subject to change without notice.

## ELECTRICAL MAIN PARTS LIST

If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF.NO.	PART NO.	KANRI NO.	DESCRIPTION
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IC

	87-NF8-614-010	C-IC,SPS-442-1-W
	87-017-714-110	IC,LA1836L

DIODE

	87-A40-236-080	ZENER,MTZJ24D
	87-017-933-080	ZENER,MTZJ10D
	87-017-932-080	ZENER,MTZJ6.2B

MAIN C.B

C114	87-010-263-080	CAP,E 100-10 SME
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## MECHANICAL PART LIST 1 / 1

If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF.NO.	PART NO.	KANRI NO.	DESCRIPTION
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3	87-NF9-018-010	CABI,REAR HEJSTC1M
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## ACCESSORIES / PACKAGE LIST

If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF.NO.	PART NO.	KANRI NO.	DESCRIPTION
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1	87-NF9-924-019	IB,HE(E)-PHIL
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## ADJUSTMENT <TUNER / DECK>

### < DECK SECTION >

#### 23. REC/PB Frequency Response Adjustment

Settings : • Test tape : TTA-602

• Test point : TP8, TP9

• Input signal : 800Hz / 8kHz (LINE IN)

• Adjustment location : SFR451 (Lch)

SFR452 (Rch)

Method : Apply a 800Hz signal and REC mode. Then adjust OSC attenuator so that the output level at the TP8, TP9 becomes 9mV. Record and play back the 800Hz and 8kHz signals and adjust SFRs so that the output of the 8kHz signals becomes  $10\text{mV} \pm 0.5\text{dB}$  with respect to that of the 800Hz signal.

#### 24. REC/PB Sensitivity Check

Settings : • Test tape : TTA-602

• Test point : TP8, TP9

• Input signal : 800Hz (LINE IN)

Method : Apply a 800Hz signal and REC mode. Then adjust OSC attenuator so that the output level at the TP8, TP9 becomes 9mV. Record and play back the 800Hz signals and check that the output is  $8\text{mV} \pm 2.5\text{dB}$ .

サービス技術ニュース	
番号	連絡内容
G- -	
G- -	
G- -	

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