

# Service Manual

ORDER NO.  
RRV2985

AUDIO/VIDEO MULTI-CHANNEL RECEIVER

# VSX-9100TX

THIS MANUAL IS APPLICABLE TO THE FOLLOWING MODEL(S) AND TYPE(S).

Model	Type	Power Requirement	Remarks
VSX-9100TX	KUXJ/CA	AC120V	

- This service manual should be used together with the following manual(s).

Model No.	Order No.	Remarks
VSX-52TX/KUXJ/CA	RRV2977	

# 1. CONTRAST OF MISCELLANEOUS PARTS

NOTES: ● Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.

● The  $\Delta$  mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.

● Screws adjacent to  $\nabla$  mark on product are used for disassembly.

● For the applying amount of lubricants or glue, follow the instructions in this manual.  
(In the case of no amount instructions, apply as you think it appropriate.)

● Reference Nos. indicate the pages and Nos. in the service manual for the base model.

● When ordering resistors, first convert resistance values into code form as shown in the following examples.

Ex.1 When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47k ohm (tolerance is shown by J=5%, and K=10%).

560  $\rightarrow$   $56 \times 10^1 \rightarrow$  561 ..... RD1/4PU  $\begin{matrix} 5 & 6 & 1 \\ \hline \end{matrix}$  J

47k  $\rightarrow$   $47 \times 10^3 \rightarrow$  473 ..... RD1/4PU  $\begin{matrix} 4 & 7 & 3 \\ \hline \end{matrix}$  J

0.5  $\rightarrow$  R50 ..... RN2H  $\begin{matrix} R & 5 & 0 \\ \hline \end{matrix}$  K

1  $\rightarrow$  1R0 ..... RS1P  $\begin{matrix} 1 & R & 0 \\ \hline \end{matrix}$  K

Ex.2 When there are 3 effective digits (such as in high precision metal film resistors).

5.62k  $\rightarrow$   $562 \times 10^1 \rightarrow$  5621 ..... RN1/4PC  $\begin{matrix} 5 & 6 & 2 & 1 \\ \hline \end{matrix}$  F

## ■ CONTRAST OF TABLE

VSX-9100TX/KUXJ/CA and VSX-52TX/KUXJ/CA are constructed the same except for the following:

Ref. No.	Mark	Symbol and Description	Part No.		Remarks
			VSX-52TX /KUXJ/CA	VSX-9100TX /KUXJ/CA	
P13- 1	NSP	<PCB ASSEMBLIES> POWER AMP ASSY └12V TRIGGER ASSY	AWK7822 AWX8395	AWK7823 AWX8398	
P7- 6 P7- 7 P7-15	NSP	<PACKING> Warranty Card Operating Instructions (English) Packing Case	ARY7007 ARB7302 AHD8255 (52/KU)	ARY7045 ARB7312 AHD8281 (9100/KU)	
P11-20 P11-22	NSP	<CHASSIS SECTION> Stabilizer 45 Under Base	ANG7408 ANA7166	Not used ANA7161	
P13-19 P13-22		<REAR PANEL SECTION> Rear Panel Hexahed Screw (2.85x7)	ANC8249 ABA7078	ANC8286 Not used	
P17-11 P17-15 P17-23		<FRONT PANEL SECTION> F. Panel Window Door	ANB7338 AAK8177 ANB7334	ANB7355 AAK8257 ANB7335	

Notes : ● For PCB ASSEMBLIES, refer to "CONTRAST OF PCB ASSEMBLIES" and "2. SCHEMATIC DIAGRAM".

## ■ CONTRAST OF PCB ASSEMBLIES

### **K**F 12V TRIGGER ASSY

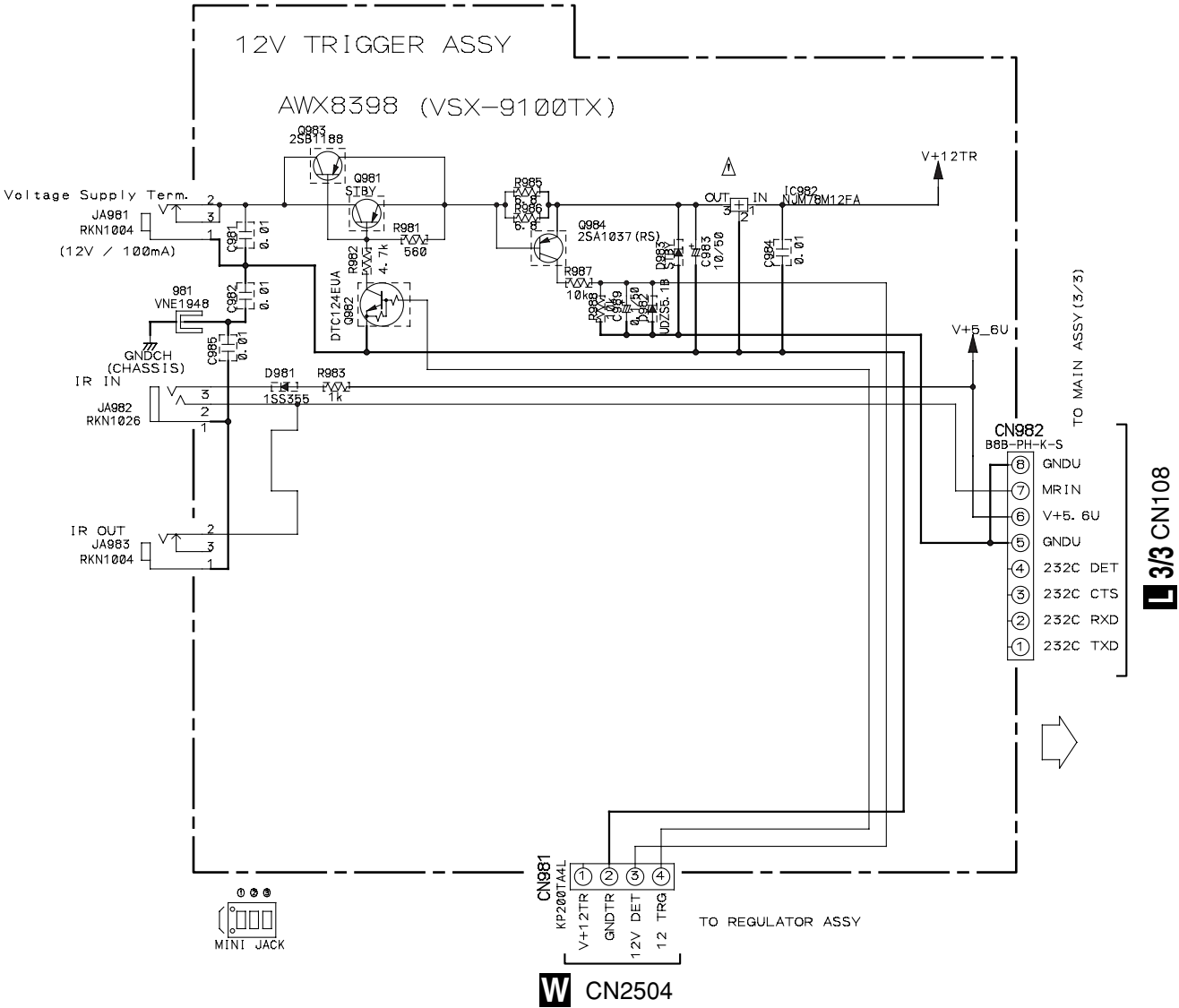
AWX8398 and AWX8395 are constructed the same except for the following :

Mark	Symbol and Description	Part No.		Remarks
		AWX8395	AWX8398	
	IC 981 (RS-232 ) Q991 D991, D992 C986, C992, C997 C991  C993- C996 C998 L992 R991- R994 R995, R998  R996 R997 CN983 9P D-SUB SOCKET	SP232AEN 2SC1740S 1SS355 CKSRYB103K50 CEAT101M16  CEAT1R0M50 CCSRCH331J50 LAU1R0J RS1/16S101J RS1/16S224J  RS1/16S474J RS1/16S103J AKP1213	Not used Not used Not used Not used Not used  Not used Not used Not used Not used Not used  Not used Not used Not used	

2. SCHEMATIC DIAGRAM

2.1 12V TRIGGER ASSYS

**K F** 12V TRIGGER ASSY  
(AWX8398)



NOTE

1. RESISTORS  
Unit: k-kΩ, M-MΩ or Ω unless otherwise noted.  
Rated power: 1/10W unless otherwise noted.  
Tolerance: (J) ±5% unless otherwise noted.

2. CAPACITORS  
Unit: p-pF or μF unless otherwise noted.  
Ratings: Capacity(μF)/Voltage(V) unless otherwise noted.  
Rated Voltage: 50V expect for electrolytic capacitors.  
JQ:CEJQ

⇒ : AUDIO SIGNAL FLOW  
➡ : VIDEO SIGNAL FLOW

The  $\Delta$  mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.