

Service Manual

ORDER NO.
RRV2998

AUDIO/VIDEO MULTI-CHANNEL RECEIVER

VSX-9300TX

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

Model	Type	Power Requirement	Remarks
VSX-9300TX	KUXJ/CA	AC120V	

● This service manual should be used together with the following manual(s):

Model	Order No.	Remarks
VSX-56TXi/KUXJ/CA	RRV2990	

1. CONTRAST OF MISCELLANEOUS PARTS

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

● The Δ 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 ∇ mark on product are used for disassembly.

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

● 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.)

● 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 Ω $\rightarrow$ 56×10^1 $\rightarrow$ 561 RD1/4PU $\begin{matrix} 5 & 6 & 1 \\ \hline \end{matrix}$ J

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

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

1 Ω $\rightarrow$ 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 Ω $\rightarrow$ 562×10^1 $\rightarrow$ 5621 RN1/4PC $\begin{matrix} 5 & 6 & 2 & 1 \\ \hline \end{matrix}$ F

■ CONTRAST TABLE

VSX-9300TX/KUXJ/CA and VSX-56TXi/KUXJ/CA are constructed the same except for the following:

Ref. No.	Mark	Symbol and Description	Part No.		Remarks
			VSX-56TXi /KUXJ/CA	VSX-9300TX /KUXJ/CA	
P15- 1	NSP	PCB ASSEMBLIES			
		1394 ASSY	AWK7834	Not used	
P13- 1		1..MAIN ASSY	AWK7835	AWK7843	
P15- 2	NSP	2..DSP CONNECTION ASSY	AWX8441	AWX8442	
		2..MAIN CONTROL ASSY	AWX8434	AWX8522	
P19- 6		1..POWER AMP ASSY	AWK7854	AWK7858	
		2..DISPLAY ASSY	AWX8473	AWX8483	
P9 - 9	NSP	PACKING			
		Operating Instructions (English)	ARB7307	ARB7313	
P9 -11		Warranty Card	ARY7007	ARY7045	
P9 -16		Packing Case	AHD8272	AHD8295	
P13-27		CHASSIS SECTION			
		DSP Shield 1394 A	ANG7420	Not used	
P13-27		DSP Shield 45 A	Not used	ANG7402	
P15-14		REAR PANEL SECTION			
		22P Flexible Cable (J16)	ADD7431	Not used	
P15-15		10P Flexible Cable (J17)	ADD7432	Not used	
P15-23		Rear Panel 56KU	ANC8279	Not used	
P15-23		Rear Panel 9300	Not used	ANC8294	
P19-18		FRONT PANEL SECTION			
		Door 45	ANB7277	Not used	
P19-18		Door 1011B	Not used	ANB7275	
P19-20		FL Sheet 45R	AAK7957	Not used	
P19-20		FL Sheet 9300W	Not used	AAK8258	
P19-21		Window 56TX	AAK8232	Not used	
P19-21		Window 9300	Not used	AAK8259	
P19-28		F.Panel 56BKU	ANB7348	Not used	
P19-28		F.Panel 9300	Not used	ANB7356	

● For PCB assemblies, Refer to "CONTRAST OF PCB ASSEMBLIES" and "2. SCHEMATIC DIAGRAM".

● CONTRAST OF PCB ASSEMBLIES

JF MAIN CONTROL ASSY

AWX8522 and AWX8434 are constructed the same except for the following :

Mark	Symbol and Description	Part No.		Remarks
		AWX8434	AWX8522	
	R331, R352-R354, R356 R351 R355 R357, R358 R523 R525	RS1/16S221J RS1/16S0R0J RS1/16S101J Not used Not used RS1/16S473J	Not used Not used Not used RS1/16S0R0J RS1/16S473J Not used	

MF DSP CONNECTION ASSY

AWX8442 and AWX8441 are constructed the same except for the following :

Mark	Symbol and Description	Part No.		Remarks
		AWX8441	AWX8442	
	IC1653 L1652 C1653 R1655 R1656, R1676, R1678 R1659, R1660, R1662	TC74LVX244FT QTL1013 CKSRYB104K16 Not used RS1/16S0R0J RS1/16S151J	Not used Not used Not used RS1/16S0R0J Not used Not used	

SF DISPLAY ASSY

AWX8483 and AWX8473 are constructed the same except for the following :

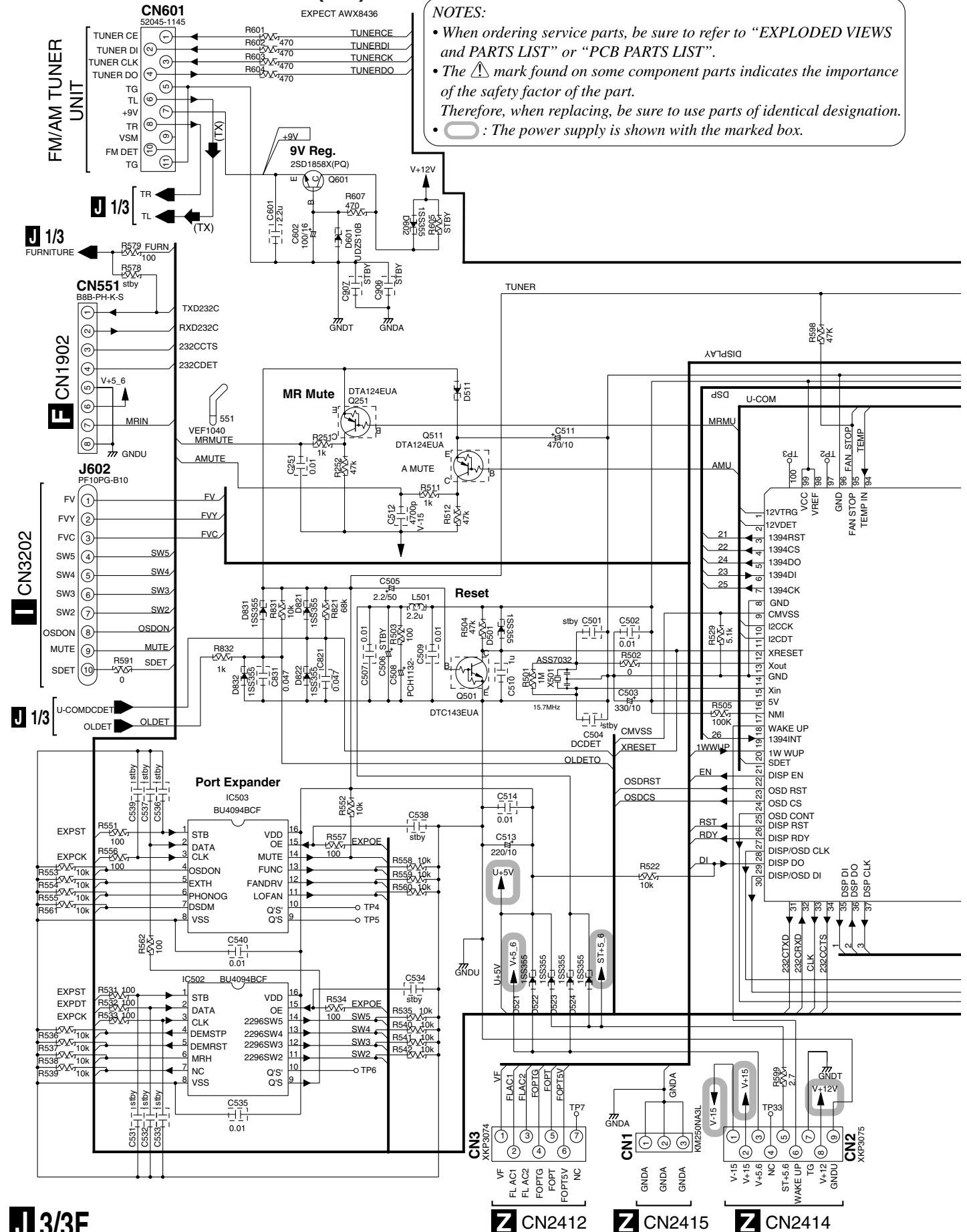
Mark	Symbol and Description	Part No.		Remarks
		AWX8473	AWX8483	
	D3010 D3011 R3064	UDZS6R2(B) NSPB510-2283 RS1/16S471J	Not used Not used Not used	

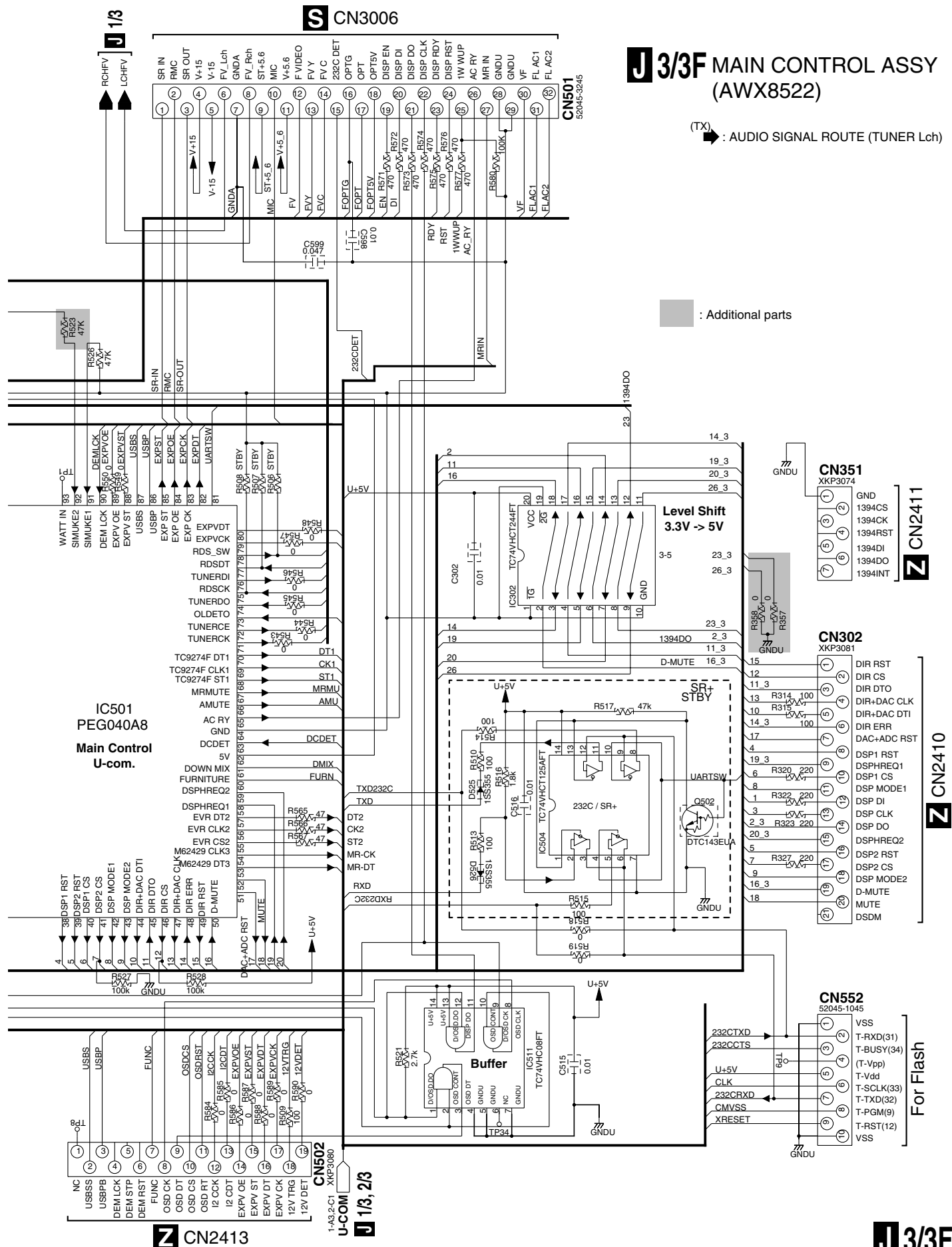
2. SCHEMATIC DIAGRAM

2.1 MAIN CONTROL ASSY(3/3)

NOTES:

- When ordering service parts, be sure to refer to "EXPLODED VIEWS and PARTS LIST" or "PCB PARTS LIST".
- The Δ mark found on some component parts indicates the importance of the safety factor of the part.
- $\square$: The power supply is shown with the marked box.





2.2 DSP CONNECTION ASSY

■ : Additional parts

MF DSP CONNECTION ASSY (AWX8442)

