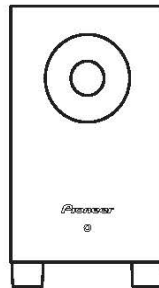


Pioneer

Service Manual



S-21W

ORDER NO.
RRV4060

POWERED SUBWOOFER

S-21W

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

Model	Type	Power Requirement	Serial No.	Remarks
S-21W	SYXCN8	AC 220 V to 240 V	&&&&#####ER	ER : EUROPE
S-21W	CMXCNSM	AC 120 V	&&&&#####UC	UC : U.S., CANADA
S-21W	FLXCN	AC 110 V to 240 V	&&&&#####LE	LE : OTHER (without CHINA, JAPAN)

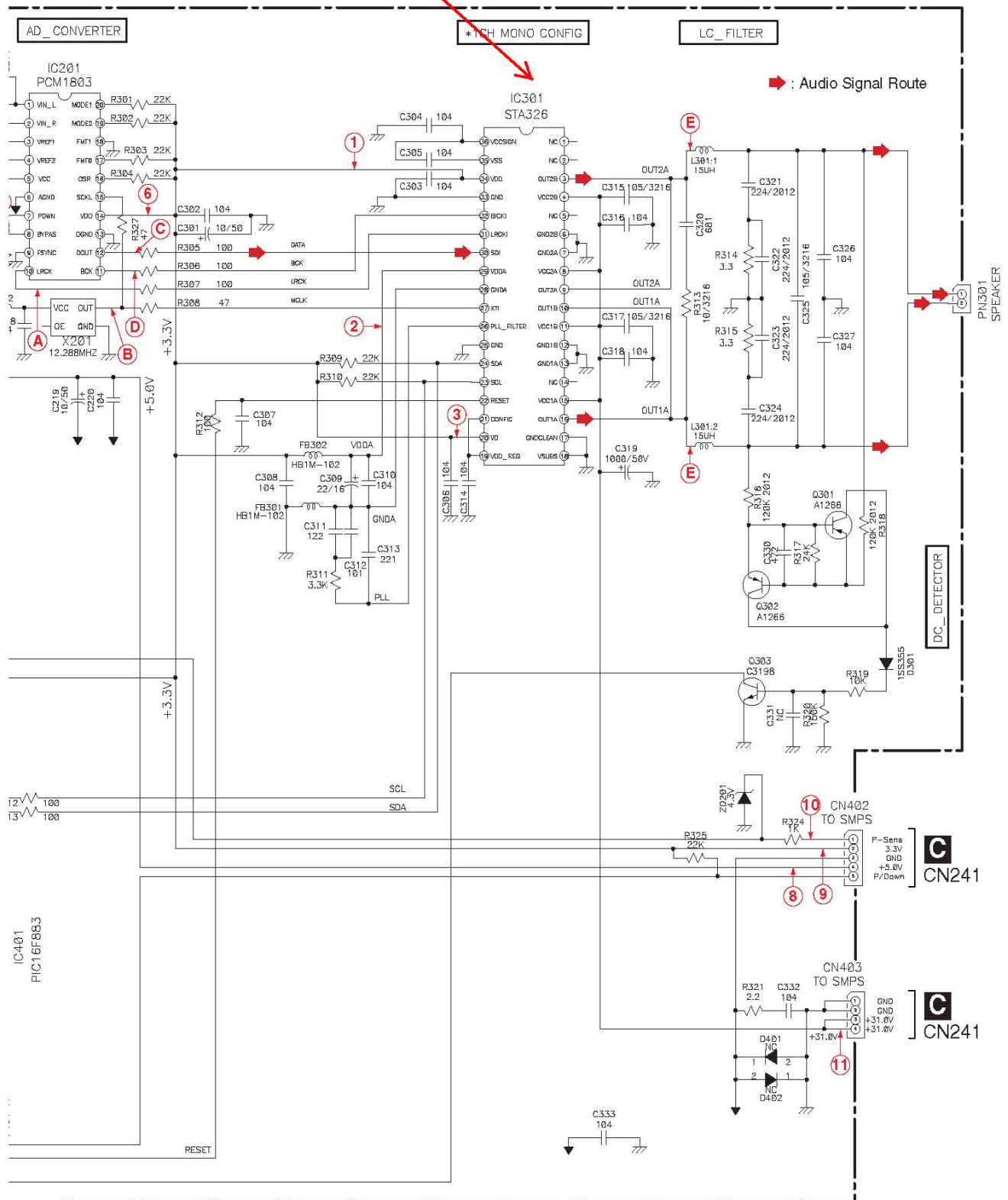


For details, refer to "Important Check Points for good servicing".

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8952SB3003490-IL



- When ordering service parts, be sure to refer to "EXPLODED VIEWS and PARTS LIST" or "PCB PARTS LIST".
- The ⚠ 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.
-  : The power supply is shown with the marked box.

S-21W

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12. PCB PARTS LIST

- NOTES: ● Parts marked by “NSP” are generally unavailable because they are not in our Master Spare Parts List.
- The $\triangle$ 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.
- 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 47 k ohm (tolerance is shown by J = 5%, and K = 10%).
- | | | | | | | | | | | |
|---------------|---------------|------------------|---------------|-----|-------|---------|---|---|---|---|
| 560 Ω | $\rightarrow$ | 56×10^1 | $\rightarrow$ | 561 | | RD1/4PU | 5 | 6 | 1 | J |
| 47 k Ω | $\rightarrow$ | 47×10^3 | $\rightarrow$ | 473 | | RD1/4PU | 4 | 7 | 3 | J |
| 0.5 Ω | $\rightarrow$ | R50 | | | | RN2H | R | 5 | 0 | K |
| 1 Ω | $\rightarrow$ | 1R0 | | | | RS1P | 1 | R | 0 | K |
- Ex.2 When there are 3 effective digits (such as in high precision metal film resistors).
- | | | | | | | | | | | | |
|-----------------|---------------|-------------------|---------------|------|-------|---------|---|---|---|---|---|
| 5.62 k Ω | $\rightarrow$ | 562×10^1 | $\rightarrow$ | 5621 | | RN1/4PC | 5 | 6 | 2 | 1 | F |
|-----------------|---------------|-------------------|---------------|------|-------|---------|---|---|---|---|---|
- Meaning of the figures and others in the parentheses in the parts list.
- Example) IC 301 is on the point (face A, 91 of x-axis, and 111 of y-axis) of the corresponding PC board.
- IC 301 (A, 91, 111) IC NJM2068V

- | | |
|------------------|--|
| ● PCB PARTS LIST | ● SCHEMATIC DIAGRAM and PCB CONNECTION DIAGRAM |
| JA*** | JACK***, JK*** |
| RY*** | RLY*** |
| T*** | PT*** |
| X*** | XTAL***, RES*** (CERAMIC) |
| FU*** | F*** |
| V*** | FLT*** |
| S*** | SW***, VEC*** (ENCODER) |
| L*** | FB*** |
| CN*** | CP***, PN*** |
| Q*** | Q***FL, Q***FR, Q***C, Q***SL, Q***SR |
| D*** | ZD*** |

Mark	No.	Description	Part No.	Mark	No.	Description	Part No.
LIST OF ASSEMBLIES							
		1..PWB (PCB) ASSY (MAIN)	8952S21W00100-IL			SW401 SWITCH	8952S21W00130-IL
		2..PWB (PCB) ASSY (LED)	8952S21W00140-IL			X 201 OSCILLATOR (12.288 MHz)	8952S21W00280-IL
$\triangle$		1..PCB ASSY (AC INLET)(SYXCN8, FLXCN)	8952S21W00080-IL			CN401 CONNECTOR	8952SB3003370-IL
$\triangle$		1..PCB ASSY (AC INLET)(CMXCNSM)	8952S21W00460-IL			CN402 WIRE, FLAT	8952S21W00200-IL
$\triangle$		1..PCB ASSY (SMPS)	8952S21W00090-IL			CN9301 (PN301) CONNECTOR	8952SB3003400-IL
						CN9401 (PN401) CONNECTOR WAFER	8952S21W00190-IL
						0 PWB (PCB) ASSEMBLY	8952S21W00140-IL
				CAPACITORS			
						C 319	8952SB3003470-IL

Mark	No.	Description	Part No.
A PWB (PCB) ASSY (MAIN)			
SEMICONDUCTORS			
	IC 201		8952S21W00320-IL
	IC 202		8952S21W00440-IL
	IC 301		8952SB3003490-IL
	IC 401		8952S21W00310-IL
	Q 203,303		8952S21W00220-IL
	Q 301,302		8952S21W00230-IL
	Q 401		8952S21W00430-IL
	Q 403		8952SB3003520-IL
	Q 404		8952SB3000840-IL
	D 202,204,301		8952S21W00290-IL
	D 9201 (ZD201)		8952SB3001970-IL

MISCELLANEOUS

L 301	COIL	8952SB3003360-IL
L 9203,9204,9301	(FB203, FB204, FB301) FILTER (CIRC) EMC	8952SB3001930-IL
L 9302 (FB302)	FILTER (CIRC) EMC	8952SB3001930-IL
JA 201	JACK RCA	8952S21W00110-IL
VR401	VR ROTARY (WITH NUT)	8952S21W00120-IL

B PWB (PCB) ASSY (LED)

There is no service parts.

C PCB ASSY (SMPS)

There is no service parts.

D PCB ASSY (AC INLET)

There is no service parts.