

Pioneer

Service Manual

 ORDER NO.
RRV4050

AUDIO/VIDEO MULTI-CHANNEL RECEIVER

VSX-520-K

VSX-520-S

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

Model	Type	Power Requirement	Remarks
VSX-520-K	SYXCN5	AC 220 V to 230 V	
VSX-520-S	SYXCN5	AC 220 V to 230 V	

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

Model No.	Order No.	Remarks
VSX-820-K/CUXCNSM	RRV4043	VSX-520-K/CUXCNSM

For SPECIFICATIONS and PANEL FACILITIES, refer to the operating instructions.

3. PCB PARTS LIST

	Mark	No.	Description	Part No.
A	A	F INPUT ASSY		
		SEMICONDUCTORS		
		IC 801	J084152180010-IL	
		IC 802-804	J121458000020-IL	
		Q 801,803,805,806	J522020011210-IL	
		Q 802,804,807,809	J520101411210-IL	
		Q 808,812,814,821	J522020011210-IL	
		Q 813,817,838,839	J520101411210-IL	
		Q 815,816	J5441170Y0050-IL	
		Q 818	J522104411210-IL	
B		Q 822,826,828,830	J522020011210-IL	
		Q 832,834,836	J522020011210-IL	
		D 801-810,813,814	K005041480030-IL	
		D 9801,9802 (ZD801,802)	K06006R844520-IL	
		MISCELLANEOUS		
		JA 801 TER,RCA 9PIN	G607902AA131Y-IL	
		JA 802,803 TER,RCA 6PIN	G603610A02000-IL	
		CN 502 CN,WIRE 2MM	L002900042620-IL	
		502 CN,WIRE 2MM	L002900042620-IL	
		RESISTORS		
C		R 874,875	C060010165060-IL	
		CAPACITORS		
		C 821,861	D040221083090-IL	
		Q F FRONT ASSY		
		SEMICONDUCTORS		
		IC 701	J127163150010-IL	
		Q 701	J522102371210-IL	
		Q 702	J5000933S0050-IL	
		Q 703	J522101441210-IL	
		D 707,709	K005041480030-IL	
D		D 8701 (LED701)	K500052009011-IL	
		D 9701 (ZD701)	K06007R544520-IL	
		MISCELLANEOUS		
		L 701 COIL	D330101001020-IL	
		L 702 COIL,FILTER-INDUCTOR	D330100700520-IL	
		V 701 DISPLAY,FLT	K530126300010-IL	
		S 701-714,716 SWITCH	G180501000010-IL	
		S 9701 (VEC701) SW,ENCODER	G121123040011-IL	
		CN 9702 (CP702) CONNECTOR(3P)	L102526803010-IL	
		CN 9704 (CP704) CN.FPC 1.25MM	L131125021920-IL	
E		O HOLDER	432004078301A-IL	
		U 701 MODULE,REMOCON	E940349003810-IL	
		Q F MAIN ASSY		
		SEMICONDUCTORS		
		IC 101	8952520000011-IL	
		IC 102	J126790500070-IL	
		IC 103	J126781200040-IL	
		IC 104	J126791200060-IL	
		IC 106	J000241600020-IL	
		IC 111	J12678R330010-IL	
F		IC 112	J126111733050-IL	

Mark	No.	Description	Part No.
A	A	IC 114	J126780500110-IL
		IC 120	J040742570030-IL
		IC 301	J126111700041-IL
		Q 101,138,300,301	J522305200050-IL
		Q 106,107	J501778000010-IL
		Q 112	J522102371210-IL
		Q 121,123,124	J5001268B0050-IL
		Q 122	J5023198Y0000-IL
		Q 125	J5000916Y0050-IL
		Q 137	J520015301210-IL
A	A	Q 201,203	J522101411210-IL
		D 104,114,125,127	K005041480030-IL
		D 106	K000013300520-IL
		D 110,111	K000400700010-IL
		D 128,135,136,301	K005041480030-IL
		D 131-134,137-140	K000400700010-IL
		D 302,315	K005041480030-IL
		D 303,304	K005041480030-IL
		D 305-308	K000400700010-IL
		D 7101-7103 (BD101-103)	K047604000020-IL
A	A	D 9103,9104 (ZD103,104)	K06016R044520-IL
		D 9107 (ZD107)	K06003R344520-IL
		D 9301 (ZD301)	K06005R14P400-IL
		MISCELLANEOUS	
		L 101,102 BEAD,COIL	7610010030000-IL
		JA 9101 (TUNER101) TUNER	E903104100030-IL
		RY 302 RELAY	G680060102020-IL
		T 301 POWER TRANS	8200280150680-IL
		X 101 RESONATOR,CERAMIC	E830160000060-IL
		CN 9101 (CP101) CN.FPC 1.25MM	L131125021910-IL
A	A	CN 9111,9120 (CP111,120) CONNECTOR(14P)	L101100041410-IL
		CN 9112 (CP112) CN.WAFER 2.0MM	L101100041110-IL
		CN 9115 (CP115) CN.WAFER 2.0MM	L101100040810-IL
		CN 9116,9128 (CP116,118) CONNECTOR(19P)	L101100041910-IL
		CN 9117,9123,9125 (CP117,123,125)	L101100040510-IL
		CN.WAFER 2.0MM	
		CN 9119 (CN119B) CN.FPC 1.0MM	L130100150820-IL
		CN 9121 (CP121) CN.WAFER 2.0MM	L101100040710-IL
		CN 9122 (CP122) CN.WAFER 2.0MM	L101100040910-IL
		CN 9126,9128 (CP126,128) CONNECTOR(4P)	L101100040410-IL
A	A	O SCREW	B020030081B10-IL
		101 HEAT SINK	2120210958050-IL
		104,114 HEAT SINK	2120000818020-IL
		904 JHMX9800(ON)HAITI)	4330000120000-IL
		FU 301 FUSE GLASS TUBE 20MM	N751503151160-IL
		RESISTORS	
		R 101-104,201,202	C060R22065050-IL
		R 105,106	C060033065050-IL
		R 159	C060015165050-IL
		R 174-176	C060022265050-IL
		R 178,179	C141R10069010-IL
A	A	R 184	C0604R7065050-IL
		R 186	C060022065050-IL
		R 304	C060010063050-IL
		CAPACITORS	
		C 101	D02010306C060-IL
		C 167,222,224	D040471082060-IL
		C 179,180	D040682088010-IL

10.7 MAIN and REG ASSYS

