Pioneer

Service Manual

ORDER NO.
ERT0008

DVD RDS AV RECEIVER

AVH-X390BS/XNUS
AVH-X390BT/XEVEU5
AVH-X395BT/XNRD

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This service manual should be used together with the following manual(s) listed below. For the parts numbers, adjustments, etc. which are not shown in this manual, refer to the following manual(s).

Model No.	Order No.	Mech. Module	Remarks
AVH-X2800BS/XNUC	CRT5821		
CX-3311	CRT5651	LS2.5	DVD Mech. Module: Circuit Descriptions, Mech. Descriptions, Disassembly, Diagnosis Flowchart, Each Setting and Adjustment

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EXPLODED VIEWS AND PARTS LIST

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PACKING SECTION PARTS LIST

*: Non spare part

Mark	No.	Description	AVH-X2800BS/ XNUC	AVH-X390BS/ XNUS	AVH-X390BT/ XEVEU5	AVH-X395BT/ XNRD
	1	Cord Assy	CDP1665	CDP1665	CDP1670	CDP1665
	4	Screw	CBA2383	CBA2383	CBA2383	Not used
	6	Handle	Not used	Not used	CND6289	Not used
	7	Cover	CEG1359	CEG1359	CEG1356	CEG1356
	8	Unit Box	CHG9128	QHG4111	QHG4109	QHG4112
	9	Contain Box	CHL9128	QHL4111	QHL4109	QHL4112
	10	Protector	CHP4598	CHP4598	CHP4599	CHP4598
	11	Card Remote Control Unit	CXE5116	CXE5116	Not used	CXE5116
	12	IM CD-ROM	Not used	Not used	QPJ3060	Not used
	13	Microphone Assy	CPM1083 (4 m)	CPM1109 (3 m)	CPM1109 (3 m)	CPM1109 (3 m)
	16	Panel	Not used	Not used	Not used	CNS9475
	18-1	Owner's Manual	CRD4924	QRD3482	Not used	QRD3484
	18-2	Quick Start Guide	Not used	Not used	QRD3486	Not used
	18-3	Installation Manual	Not used	Not used	QRD3487	Not used
*	18-5	Caution Card	Not used	Not used	CRP1441	Not used
*	18-7	Warranty Card	QRY3001	QRY3001	CRY1376	Not used

Owner's Manual, Installation Manual

Part No.	Language
QRD3482	English, Spanish(Espanol)
QRD3486	English, French, Italian, Spanish(Espanol), German, Dutch
QRD3487	English, French, Italian, Spanish(Espanol), German, Dutch
QRD3484	English, Spanish(Espanol), Portuguese(B)

CONTENTS OF CD-ROM (Operation Manual), QPJ3060

Part No.	Language
*QRB3700	English
*QRB3701	French
*QRB3702	Italian
*QRB3703	Spanish(Espanol)
*QRB3704	German
*QRB3705	Dutch
*QRB3706	Swedish
*QRB3707	Norwegian
*QRB3708	Finnish
*QRB3709	Danish
*QRB3710	Portuguese
*QRB3711	Greek
*QRB3712	Turkish

All operation manuals are supplied in PDF files by the CD-ROM.
Regarding the availability of paper manual, contact Pioneer Service representative in your region.

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EXTERIOR (1) SECTION PARTS LIST

Mark	No.	Description	AVH-X2800BS/ XNUC	AVH-X390BS/ XNUS	AVH-X390BT/ XEVEU5	AVH-X395BT/ XNRD
	20	Grille Assy	CXE8852	QXA5031	QXA5035	QXA5032
	22	Plate	CNN4858	CNN4858	CNN4858	CNN4856
	23	Grille	CNU3423	QNS4154	QNS4153	QNS4160
	24	DVD Mechanism Module (LS2.5)	CXK8100	CXK8100	CXK8110	CXK8100
	26	Service Unit (Monitor)	CXX8381	QXX3129	QXX3128	QXX3129
	27	Service Unit (Keyboard)	CXX8416	QXX3150	QXX3151	QXX3150
	28	Holder	Not used	Not used	CND7102	Not used
	29	Panel	Not used	Not used	CNU2645	Not used

EXTERIOR (2) (Page 48)

EXTERIOR (2) SECTION PARTS LIST

Mark	No.	Description	AVH-X2800BS/ XNUC	AVH-X390BS/ XNUS	AVH-X390BT/ XEVEU5	AVH-X395BT/ XNRD
	2	Cord Assy	CDP1665	CDP1665	CDP1670	CDP1665
	4	Card Remote Control Unit	CXE5116	CXE5116	Not used	CXE5116
	5	Battery Cover	CNU1624	CNU1624	Not used	CNU1624
	14	Holder	CND7540	CND7540	CND7201	CND7201
	16	Service Unit (Mother I/F)	CXX8360	QXX3146	QXX3145	QXX3147

ELECTRICAL PARTS LIST (Page 85)

Service Unit (Mother I/F)

Circuit Symbol and No.	Part Name	AVH-X2800BS/ XNUC	AVH-X390BS/ XNUS	AVH-X390BT/ XEVEU5	AVH-X395BT/ XNRD
IC871	Flash Memory IC	W25Q64FVSSIG	W25Q64FVSSIG	W25Q16DVSSIG	W25Q16DVSSIG
IC881	Flash ROM Unit	CWJ3156	QVQ1014	QVQ1013	QVQ1013
IC2501	Logic IC	TC7SZ32FUS1	TC7SZ32FUS2	TC7SZ32FUS2	TC7SZ32FUS2
IC4001	IC	TC7SH126FU	TC7SH126FUS1	Not used	Not used
IC4002	And Logic IC	MC74VHC1GT08DFG	MC74VHC1GT08DFG	Not used	Not used
Q402	Resistor Built-IN TR	Not used	Not used	Not used	RN4982S1
Q403	Resistor Built-IN TR	Not used	Not used	Not used	RN4982S1
Q404	Resistor Built-IN TR	Not used	Not used	Not used	RN4982S1
Q405	Resistor Built-IN TR	Not used	Not used	Not used	RN4982S1
L3053	Chip Beads	VTL1126	VTL1126	Not used	Not used
L3054	Chip Beads	VTL1126	VTL1126	Not used	Not used
L3055	Chip Beads	VTL1126	VTL1126	Not used	Not used
P2001	Poly Switch	FSMD110-24R	FSMD110-24R	Not used	Not used
JA2201	Antenna Jack	YKS5041	YKS5041	CKX1104	YKS5041
JA4002	Connector	CKS6495	CKS6495	Not used	Not used
R447		RS1/16SS102J	RS1/16SS102J	RS1/16SS102J	RS1/16SS1001D
R448		Not used	Not used	Not used	RS1/16SS6800D
R481		Not used	Not used	RS1/16SS104J	RS1/16SS104J
R482		Not used	Not used	Not used	RS1/16SS104J
R483		Not used	Not used	RS1/16SS104J	Not used
R484		Not used	Not used	Not used	RS1/16SS104J
R485		Not used	Not used	RS1/16SS104J	Not used
R519		Not used	Not used	Not used	RS1/16SS6800D
R524		Not used	Not used	Not used	RS1/16SS8201D
R525		Not used	Not used	Not used	RS1/16SS8201D
R526		RS1/16SS102J	RS1/16SS102J	RS1/16SS102J	RS1/16SS1001D
R614		RS1/16SS0R0J	RS1/16SS0R0J	Not used	Not used
R615		RS1/16SS0R0J	RS1/16SS0R0J	Not used	Not used
R700		RS1/16SS473J	RS1/16SS473J	Not used	Not used
R1141		Not used	Not used	Not used	RS1/16SS0R0J
R1144		Not used	Not used	Not used	RS1/16SS104J
R1145		Not used	Not used	Not used	RS1/16SS101J
R1148		RS1/16SS0R0J	RS1/16SS0R0J	RS1/16SS0R0J	Not used
R1149		RS1/16SS0R0J	RS1/16SS0R0J	RS1/16SS0R0J	Not used
R2015		RS1/4SA0R0J	RS1/4SA0R0J	Not used	Not used

Circuit Symbol and No.	Part Name	AVH-X2800BS/ XNUC	AVH-X390BS/ XNUS	AVH-X390BT/ XEVEU5	AVH-X395BT/ XNRD
R4033		RS1/16SS471J	RS1/16SS471J	Not used	Not used
R4034		RS1/16SS223J	RS1/16SS223J	Not used	Not used
R4035		RS1/16SS223J	RS1/16SS223J	Not used	Not used
R4036		RS1/16SS181J	RS1/16SS181J	Not used	Not used
R4037		RS1/16SS181J	RS1/16SS181J	Not used	Not used
R4038		RS1/10SR822J	RS1/10SR822J	Not used	Not used
R4039		RS1/10SR471J	RS1/10SR471J	Not used	Not used
R4045		RS1/16SS104J	RS1/16SS104J	Not used	Not used
R4064		RS1/16SS471J	RS1/16SS471J	Not used	Not used
C5	10 uF	CCG1236	CKSYX106K35	CKSYX106K35	CKSYX106K35
C115	4.7 uF	CCG1222	CKSQYX475K25	CKSQYX475K25	CKSQYX475K25
C160	10 uF	CCG1192	CKSQYX106K10	CKSQYX106K10	CKSQYX106K10
C161	10 uF	CCG1192	CKSQYX106K10	CKSQYX106K10	CKSQYX106K10
C309	10 uF/16 V	DCH1263	CKSQYX106K16	CKSQYX106K16	CKSQYX106K16
C310	10 uF/16 V	DCH1263	CKSQYX106K16	CKSQYX106K16	CKSQYX106K16
C358	10 uF	CCG1236	CKSYX106K35	CKSYX106K35	CKSYX106K35
C619	1 uF	DCH1246	CKSSYX105K10	CKSSYX105K10	CKSSYX105K10
C620	1 uF	DCH1246	CKSSYX105K10	CKSSYX105K10	CKSSYX105K10
C661	10 uF	CCG1192	CKSQYX106K10	CKSQYX106K10	CKSQYX106K10
C664	10 uF	CCG1192	CKSQYX106K10	CKSQYX106K10	CKSQYX106K10
C821	10 uF	CCG1192	CKSQYX106K10	CKSQYX106K10	CKSQYX106K10
C902	10 uF	CCG1192	CKSQYX106K10	CKSQYX106K10	CKSQYX106K10
C906	10 uF	CCG1192	CKSQYX106K10	CKSQYX106K10	CKSQYX106K10
C908	10 uF	CCG1192	CKSQYX106K10	CKSQYX106K10	CKSQYX106K10
C931	10 uF	CCG1192	CKSQYX106K10	CKSQYX106K10	CKSQYX106K10
C932	10 uF	CCG1192	CKSQYX106K10	CKSQYX106K10	CKSQYX106K10
C933	10 uF	CCG1192	CKSQYX106K10	CKSQYX106K10	CKSQYX106K10
C934	10 uF	CCG1192	CKSQYX106K10	CKSQYX106K10	CKSQYX106K10
C935	10 uF	CCG1192	CKSQYX106K10	CKSQYX106K10	CKSQYX106K10
C936	10 uF	CCG1192	CKSQYX106K10	CKSQYX106K10	CKSQYX106K10
C1104		Not used	Not used	Not used	CKSSYB104K10
C1127	10 uF	CCG1192	CKSQYX106K10	CKSQYX106K10	CKSQYX106K10
C1132	10 uF	CCG1192	CKSQYX106K10	CKSQYX106K10	CKSQYX106K10
C1133	10 uF	CCG1192	CKSQYX106K10	CKSQYX106K10	CKSQYX106K10
C1134		Not used	Not used	Not used	CKSSYB104K10
C1201		CKSRYB105K10	CKSRYB105K10	Not used	Not used
C1207		CKSRYB105K10	CKSRYB105K10	Not used	Not used
C1221		CKSRYB105K10	CKSRYB105K10	Not used	Not used
C1222		CKSRYB105K10	CKSRYB105K10	Not used	Not used
C1301	4.7 uF	CCG1201	CKSQYX475K10	CKSQYX475K10	CKSQYX475K10

Circuit Symbol and No.	Part Name	AVH-X2800BS/ XNUC	AVH-X390BS/ XNUS	AVH-X390BT/ XEVEU5	AVH-X395BT/ XNRD
C2902	4.7 uF	CCG1201	CKSQYX475K10	CKSQYX475K10	CKSQYX475K10
C2904	4.7 uF	CCG1201	CKSQYX475K10	CKSQYX475K10	CKSQYX475K10
C3006	10 uF	CCG1192	CKSQYX106K10	CKSQYX106K10	CKSQYX106K10
C3161		CCSSCH270J50	CCSSCH270J50	CCSSCH270J50	Not used
C3162		CCSSCH270J50	CCSSCH270J50	CCSSCH270J50	Not used
C3163		CCSSCH270J50	CCSSCH270J50	CCSSCH270J50	Not used
C3164		CCSSCH270J50	CCSSCH270J50	CCSSCH270J50	Not used
C3165		CCSSCH270J50	CCSSCH270J50	CCSSCH270J50	Not used
C3166		CCSSCH270J50	CCSSCH270J50	CCSSCH270J50	Not used
C3167	4.7 uF	CCG1201	CKSQYX475K10	CKSQYX475K10	CKSQYX475K10
C3168	4.7 uF	CCG1201	CKSQYX475K10	CKSQYX475K10	CKSQYX475K10
C3169	4.7 uF	CCG1201	CKSQYX475K10	CKSQYX475K10	CKSQYX475K10
C3170	4.7 uF	CCG1201	CKSQYX475K10	CKSQYX475K10	CKSQYX475K10
C3171	4.7 uF	CCG1201	CKSQYX475K10	CKSQYX475K10	CKSQYX475K10
C3172	4.7 uF	CCG1201	CKSQYX475K10	CKSQYX475K10	CKSQYX475K10
C3191	10 uF	CCG1192	CKSQYX106K10	CKSQYX106K10	CKSQYX106K10
C3232	10 uF	CCG1192	CKSQYX106K10	CKSQYX106K10	CKSQYX106K10
C4001		CKSSYB104K10	CKSSYB104K10	Not used	Not used
C4002		CKSSYB104K10	CKSSYB104K10	Not used	Not used
C4013		CKSRYB104K50	CKSRYB104K50	Not used	Not used

Service Unit (Monitor)

Circuit Symbol and No.	Part Name	AVH-X2800BS/ XNUC	AVH-X390BS/ XNUS	AVH-X390BT/ XEVEU5	AVH-X395BT/ XNRD
C5005	10 uF	CCG1244	CKSRYX106M6R3	CKSRYX106M6R3	CKSRYX106M6R3
C5006	10 uF	CCG1244	CKSRYX106M6R3	CKSRYX106M6R3	CKSRYX106M6R3
C5017	1 uF	DCH1246	CKSSYX105K10	CKSSYX105K10	CKSSYX105K10
C5018	1 uF	DCH1246	CKSSYX105K10	CKSSYX105K10	CKSSYX105K10
C5101	10 uF/16 V	DCH1263	CKSQYX106K16	CKSQYX106K16	CKSQYX106K16
C5103	10 uF/16 V	DCH1263	CKSQYX106K16	CKSQYX106K16	CKSQYX106K16
C5104	10 uF/16 V	DCH1263	CKSQYX106K16	CKSQYX106K16	CKSQYX106K16
C5105	1 uF	CCG1382	CKSSYX105K16	CKSSYX105K16	CKSSYX105K16
C5106	1 uF	CCG1382	CKSSYX105K16	CKSSYX105K16	CKSSYX105K16
C5108	1 uF	DCH1246	CKSSYX105K10	CKSSYX105K10	CKSSYX105K10
C5203	1 uF	DCH1246	CKSSYX105K10	CKSSYX105K10	CKSSYX105K10
C5208	1 uF	CCG1382	CKSSYX105K16	CKSSYX105K16	CKSSYX105K16
C5209	1 uF	DCH1246	CKSSYX105K10	CKSSYX105K10	CKSSYX105K10
C5210	1 uF	CCG1393	CKSRYX105K25	CKSRYX105K25	CKSRYX105K25
C5212	1 uF	CCG1393	CKSRYX105K25	CKSRYX105K25	CKSRYX105K25
C5302	4.7 uF	CCG1222	CKSQYX475K25	CKSQYX475K25	CKSQYX475K25
C5325	10 uF	CCG1236	CKSYX106K35	CKSYX106K35	CKSYX106K35
C5331	10 uF	CCG1192	CKSQYX106K10	CKSQYX106K10	CKSQYX106K10
C5335	4.7 uF	CCG1222	CKSQYX475K25	CKSQYX475K25	CKSQYX475K25
C5342	2.2 uF	CCG1218	CKSRYX225K10	CKSRYX225K10	CKSRYX225K10
C5344	10 uF	CCG1236	CKSYX106K35	CKSYX106K35	CKSYX106K35

Service Unit (Keyboard)

Circuit Symbol and No.	Part Name	AVH-X2800BS/ XNUC	AVH-X390BS/ XNUS	AVH-X390BT/ XEVEU5	AVH-X395BT/ XNRD
C5508	10 uF	CCG1192	CKSQYX106K10	CKSQYX106K10	CKSQYX106K10

The mounting positions of the additional parts are described in the circuit diagram and PCB diagram of the parent manual.