Pioneer sound.vision.soul

Service Manual

ORDER NO.
CRT3632

DOUBLE-DIN DVD NAVIGATION SYSTEM

AVIC-D2/XU/UC

DVD is a trademark of DVD Format/Logo Licensing Corporation.

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
AVIC-D1/UC	CRT3466		
CX-3016	CRT3056	MS3	DVD Mech. Module:Circuit Description, Mech.Description, Disassembly
CX-3158	CRT3394	S10.1AAC	CD Mech. Module:Circuit Description, Mech.Description, Disassembly

This product has the unit part number as below.

Unit Part No.	Description
CPN2109	Navigation Unit

*) The unit part numbers listed above are not for the service components.

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SAFETY INFORMATION

CAUTION

This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer.
Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual.
Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.

WARNING

This product contains lead in solder and certain electrical parts contain chemicals which are known to the state of California to cause cancer, birth defects or other reproductive harm.
Health & Safety Code Section 25249.6 - Proposition 65

This product contains mercury. Disposal of this material may be regulated due to environmental considerations.
For disposal or recycling information, please contact your local authorities or the Electronics Industries Alliance: www.eiae.org.

EXPLODED VIEWS AND PARTS LIST

PACKING(Page 8)

PACKING SECTION PARTS LIST

*:Non spare part

Mark	No.	Description	AVIC-D1/UC	AVIC-D2/XU/UC
*	1-3	Registration Card	CRY1238	CRY1245
	1-5	Owner's Manual/POC/FRE	CRB2091	CRB2146
	1-6	Owner's Manual/POC/FRE	CRB2090	CRB2145
*	1-7	Caution Card	CRN1083	Not used
	1-8	Owner's Manual/POC/FRE	Not used	CRB2251(French)
	2-1	Owner's Manual	CRB2088	CRB2143
	2-2	Owner's Manual	CRB2089	CRB2144
	2-3	Installation Manual	CRD3983	CRD4067
	2-6	Owner's Manual	Not used	CRB2250(English)
	4	Carton	CHG5523	CHG5690
	5	Contain Box	CHL5523	CHL5690
	6	Protector	CHP2273	CHP2784
	7	Protector	CHP3006	CHP3141
	8	Protector	CHP3007	CHP3142
	9	Protector	CHP3045	CHP3143
	10	Protector	CHP3046	CHP3144
	19	Sub Carton	CHA3298	CHG5691
	24	DVD-ROM	CPJ1167	CPJ1175

EXTERIOR (1)(Page 10)

EXTERIOR (1) SECTION PARTS LIST

Mark	No.	Description	AVIC-D1/UC	AVIC-D2/XU/UC
	30	System Unit	CWM9918	CWN1665

EXTERIOR (2)(Page 12)

EXTERIOR (2) SECTION PARTS LIST

Mark	No.	Description	AVIC-D1/UC	AVIC-D2/XU/UC
	31	CC Unit	CWM9919	CWN1663
	36	Connector(CN701)	CKS3805	CKS5051
	37	Connector(CN702)	CKS3991	CKS5049
	38	Connector(CN551)	CKS4065	CKS5205
	58	Connector(CN2)	DKN1236	CKS5076
	59	Connector Unit	CWM9921	CWN1664
	63	Connector(CN2806)	CKS4600	CKS5062
	64	Connector(CN2804)	CKS5209	CKS5524

EXTERIOR (3)(Page 14)

EXTERIOR (3) SECTION PARTS LIST

Mark	No.	Description	AVIC-D1/UC	AVIC-D2/XU/UC
	17	Flexible PCB	CNP8744	CNP9371
	18	MONI_PANEL Unit	CWM9920	CWN1662(Monitor Unit)
	20	Connector(CN5002)	CKS3968	CKS4715
	21	Connector(CN5801)	CKS3991	CKS5049
	22	Connector(CN5700)	CKS4130	CKS5060
	25	Connector(CN5007)	CKS4675	CKS5105
	26	Connector(CN5008)	CKS5208	CKS5080
	27	LCD Panel	CWX3229	CWX3386
	30	Grille Unit	CXC4434	CXC6372

ELECTRICAL PARTS LIST(Page 140)

CC UNIT

Circuit Symbol and No.	Part Name	AVIC-D1/UC	AVIC-D2/XU/UC
IC110	IC	PEH007C	PEH048A
IC111	IC	PEH008C	PEH049A
GY551	Sensor	CSX1054	Not used
GY555	Sensor	Not used	CSX1105
C569		Not used	CKSRYB105K10

SYSTEM UNIT

Circuit Symbol and No.	Part Name	AVIC-D1/UC	AVIC-D2/XU/UC
L4000	Inductor	LCTAW2R2J2520	LCYA2R2J2520
L4300	Inductor	LCTAW1R0J2520	LCYA1R0J2520
L4302	Inductor	LCTAW1R0J2520	LCYA1R0J2520
L4303	Inductor	LCTAW1R0J2520	LCYA1R0J2520

MONITOR UNIT

Circuit Symbol and No.	Part Name	AVIC-D1/UC	AVIC-D2/XU/UC
D5620	Diode	Not used	DAP202U
L5071	Inductor	LCKAW100J2520	LCYA100J2520
L5078	Inductor	LCKAW100J2520	LCYA100J2520
L5101	Inductor	LCKAW100J2520	LCYA100J2520
L5151	Inductor	LCKAW100J2520	LCYA100J2520
L5152	Inductor	LCKAW100J2520	LCYA100J2520
L5181	Inductor	LCKAW101J2520	LCYA101J2520
L5182	Inductor	LCKAW101J2520	LCYA101J2520
L5801	Inductor	LCKAW100J2520	LCYA100J2520
L5802	Inductor	LCKAW100J2520	LCYA100J2520
L5803	Inductor	LCKAW100J2520	LCYA100J2520
L5804	Inductor	LCKAW100J2520	LCYA100J2520
L5901	Inductor	LCKAW100J2520	LCYA100J2520
R5601		Not used	RS1/16S0R0J
C5706		Not used	CKSSYF104Z16