

Service Manual

ORDER NO.
CRT3631

DVD MULTIMEDIA AV NAVIGATION SERVER

AVIC-N3_{/XU/UC}



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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
AVIC-N2/XU/UC	CRT3423		
CX-3016	CRT3056	MS3	DVD Mech. Module:Circuit Description, Mech.Description, Disassembly

This product has the unit part number as below.

Unit Part No.	Description
CPN2143	Navigation Unit
CPN2145	Hideaway Unit

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

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

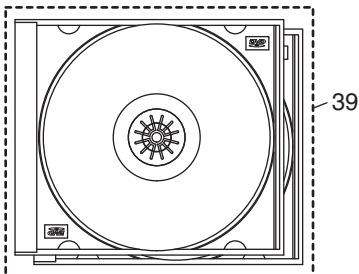
This product contains mercury. Disposal of this material may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronics Industries Alliance: www.eiae.org.

EXPLODED VIEWS AND PARTS LIST

PACKING SECTION PARTS LIST

*:Non spare part

Mark	No.	Description	AVIC-N2/XU/UC	AVIC-N3/XU/UC
	3	Carton	CHG5463	CHG5689
	4	Contain Box	CHL5463	CHL5689
	38-2	Owner's Manual	CRB2025	CRB2147
	38-3	Owner's Manual	CRB2026	CRB2148
	38-4	Owner's Manual/POC/FRE	CRB2027	CRB2149
	38-5	Owner's Manual/POC/FRE	CRB2028	CRB2150
	38-6	Installation Manual	CRD3957	CRD4069
*	38-10	Registration Card	CRY1238	CRY1245
	38-13	Owner's Manual	Not used	CRB2248(English)
	38-14	Owner's Manual/POC/FRE	Not used	CRB2249(French)
	39	DVD-ROM	Not used	CPJ1175



NAVIGATION UNIT (1)(Page 16)

NAVIGATION UNIT (1) SECTION PARTS LIST

Mark	No.	Description	AVIC-N2/XU/UC	AVIC-N3/XU/UC
	14	Case	CNB3214	CNB3306
	16	Holder	CND2812	CNC9510
	18	Bracket	CND2816	CND1482
	19	Bracket	CND2817	CND1603
	29	CC Unit	CWM9948	CWN1873
	40	Connector(CN608)	CKS3751	CKS5075
	41	Connector(CN2701)	CKS3810	CKS5041
	42	Connector(CN2)	CKS4052	CKS5100
	44	Connector(CN609)	CKS4068	CKS5066
	45	Connector(CN607)	CKS4132	CKS5095
	50	Connector(CN691)	CKS4814	CKS5067
	51	Shield	CND2822	CND1949
	52	Shield	CND2823	CND1950
	56	Holder	CND1954	CND3406
	63	Detach Grille Assy	CXC4305	CXC6086
	68	Button	CAC8434	CAC9688
	73	Connector(CN5901)	CKS3965	CKS5083
	76	Sub Grille Unit	CXC4636	CXC6088
	77	Knob Unit(VOLUME)	CXC4641	CXC5979
	78	Knob Unit(SELECT)	CXC4642	CXC5980
	94	DVD Mechanism Module(MS3)	CXK6325	CXK6328
	99	Mother Tuner Unit	CWM9946	CWN1659
	100	Connector(CN2801)	CKS4871	CKS5085
	105	Holder	CND2824	CND3405
	106	Sheet	CNM9536	CNN1300

NAVIGATION UNIT (2)(Page 18)

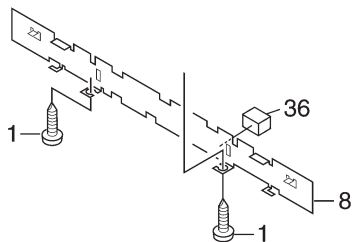
NAVIGATION UNIT (2) SECTION PARTS LIST

Mark	No.	Description	AVIC-N2/XU/UC	AVIC-N3/XU/UC
	81	Holder	CND2813	CND2890
	83	Cover	CNS7760	CNS8617
	85	Flexible PCB	CNP9517	CNP9540

NAVIGATION UNIT (3)(Page 20)

NAVIGATION UNIT (3) SECTION PARTS LIST

Mark	No.	Description	AVIC-N2/XU/UC	AVIC-N3/XU/UC
A	2	Button(NAVI/AV)	CAC8427	CAC9755
	5	Button(DIS,PGM)	CAC8504	CAC9754(DIS,PGM)
	6	LCD	CAW1870	CAW1920
	12	Sheet	CNM8858	Not used
	14	Lighting Conductor	CNV8570	CNV8972
B	15	Touch Panel	CSX1083	CSX1085
	23	Monitor Unit	CWM9950	CWN1848
	24	Connector(CN4801)	CKS3991	CKS5049
	25	Connector(CN4005)	CKS4054	CKS5034
	26	Connector(CN4301)	CKS4054	CKS5034
	29	Connector(CN4003)	CKS4595	CKS5039
	30	Connector(CN5001)	CKS4595	CKS5039
	31	Connector(CN4681)	CKS4675	CKS5105
	32	Connector(CN4002)	CKS4793	CKS5094
	33	Connector(CN4701)	CKS4818	CKS4961
C	35	Display Sub Grille Unit	CXC4634	CXC6082(Sub Grille Unit)
	36	Gasket	Not used	CNN1289



HIDEAWAY UNIT AND CORD ASSY (Page 22)

HIDEAWAY UNIT AND CORD ASSY SECTION PARTS LIST

Mark	No.	Description	AVIC-N2/XU/UC	AVIC-N3/XU/UC
E	6	Case	CNB3154	CNB3305
	7	Holder	CND2821	CND1905
	10	Mother Tuner Unit	CWM9946	CWN1659
		Cord	CDE8040	CDE8188

DVD MECHANISM MODULE (Page 24)

DVD MECHANISM MODULE SECTION PARTS LIST

Mark	No.	Description	AVIC-N2/XU/UC	AVIC-N3/XU/UC
	1	DVD Core Unit(MS3)	CWX2941	CWX3371
	3	Connector(CN1401)	CKS4052	CKS5100
	4	Connector(CN1202)	CKS4624	CKS5017
	5	Connector(CN1611)	CKS4052	CKS5100
	7	Connector(CN1101)	CKS4625	CKS4842
	8	Connector(CN1201)	CKS4067	CKS5043

ELECTRICAL PARTS LIST(Page 151)

CC UNIT

Circuit Symbol and No.	Part Name	AVIC-N2/XU/UC	AVIC-N3/XU/UC
IC110	IC	PEH005B	PEH031A
IC111	IC	PEH006B	PEH032A
D974	Diode	UDZ12(B)	UDZS12(B)
S151	Switch	Not used	CSH1070

MOTHER TUNER UNIT

Circuit Symbol and No.	Part Name	AVIC-N2/XU/UC	AVIC-N3/XU/UC
IC1603	IC	PE5412B	PE5546A
GY1865	Sensor	CSX1074	CSX1096
R2851		RS1/16S0R0J	Not used
R2852		RS1/16S0R0J	Not used
R2853		RS1/16S0R0J	Not used
R2854		RS1/16S0R0J	Not used
R2855		RS1/16S0R0J	Not used
R2856		RS1/16S0R0J	Not used
C1868		Not used	CKSRYB153K50

MONITOR UNIT

Circuit Symbol and No.	Part Name	AVIC-N2/XU/UC	AVIC-N3/XU/UC
D5003	LED	CL-195PG-CD	CL-190UB2-X(DE)
D5005	LED	CL-195PG-CD	CL-190UB2-X(DE)
D5007	LED	CL-190UB2-X	CL-190UB2-X(DE)
D5008	LED	CL-190UB2-X	CL-190UB2-X(DE)
D5009	Diode	RB751V40	RB751V-40
R5022		RS1/16SS181J	RS1/16SS270J
C5030		Not used	CKSRYB104K16
C5031		Not used	CKSRYB104K16

KEYBOARD UNIT

	Circuit Symbol and No.	Part Name	AVIC-N2/XU/UC	AVIC-N3/XU/UC
A	D5504	LED	CL-190UB2-X	CL-190UB2-X(DE)
	D5505	LED	CL-190UB2-X	CL-190UB2-X(DE)
	D5509	LED	CL-190UB2-X	CL-190UB2-X(DE)
	D5510	LED	CL-190UB2-X	CL-190UB2-X(DE)
	D5513	LED	CL-195PG-CD	CL-190UB2-X(DE)
B	D5515	LED	CL-195PG-CD	CL-190UB2-X(DE)
	D5516	LED	CL-195PG-CD	CL-190UB2-X(DE)
	D5518	LED	CL-195PG-CD	CL-190UB2-X(DE)
	D5521	LED	CL-195PG-CD	CL-190UB2-X(DE)
	D5522	LED	CL-195PG-CD	CL-190UB2-X(DE)
C	D5524	LED	CL-190UB2-X	CL-190UB2-X(DE)
	D5526	LED	CL-190UB2-X	CL-190UB2-X(DE)
	D5529	LED	CL-190UB2-X	CL-190UB2-X(DE)
	D5530	LED	CL-190UB2-X	CL-190UB2-X(DE)
	D5534	LED	CL-195PG-CD	CL-190UB2-X(DE)
D	D5537	LED	CL-190UB2-X	CL-190UB2-X(DE)
	D5540	LED	CL-190UB2-X	CL-190UB2-X(DE)
	R5501		RS1/16SS121J	RS1/16SS101J
	R5511		RS1/16SS121J	RS1/16SS101J
	R5512		RS1/16SS121J	RS1/16SS101J
E	R5517		RS1/16S151J	RS1/16S331J
	R5519		RS1/16SS121J	RS1/16SS101J
	R5522		RS1/16SS121J	RS1/16SS101J
	R5524		RS1/16SS121J	RS1/16SS101J
	R5530		RS1/16SS121J	RS1/16SS101J
F	R5532		RS1/16SS121J	RS1/16SS101J
	R5534		RS1/16SS121J	RS1/16SS101J
	R5536		RS1/16SS121J	RS1/16SS101J
	R5538		RS1/16SS121J	RS1/16SS101J
	R5540		RS1/16SS121J	RS1/16SS101J
	R5541		RS1/16SS121J	RS1/16SS101J
	R5543		RS1/16SS121J	RS1/16SS101J
	R5599		RS1/16SS121J	RS1/16SS101J
	C5501		Not used	CKSRYB104K16
	C5502		Not used	CKSRYB104K16
	C5503		Not used	CKSRYB104K16
	C5504		Not used	CKSRYB104K16
	C5512		Not used	CKSRYB104K16
	C5513		Not used	CKSRYB104K16
	C5517		Not used	CKSRYB104K16
	C5519		Not used	CKSRYB104K16
	C5521		Not used	CKSRYB104K16
	C5522		Not used	CKSRYB104K16

DVD CORE UNIT(MS3)

Circuit Symbol and No.	Part Name	AVIC-N2/XU/UC	AVIC-N3/XU/UC
IC1401	IC	TC74LCX245FT	TC74LCX245FTS1
IC1402	IC	TC7SH04FU	TC7SH04FUS1
IC1403	IC	TC74LCX244FT	TC74LCX244FTS1
IC1405	IC	TC74LCX244FT	TC74LCX244FTS1
IC1706	IC	TC7SH08FU	TC7SH08FUS1
Q1201	Transistor	DTC124EU	DTC124EUA
D1301	Diode	UDZ2R7(B)	UDZS2R7(B)
C1204		CEV101M16	CEVW101M16

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