Pioneer

Service Manual

ORDER NO.
CRT4439

CD RECEIVER

DEH-12E/XNUC

COMPACT disc DIGITAL AUDIO

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
DEH-110E/XN/EW5	CRT4232		DEH-112E/XN/EW5
CX-3166	CRT3582	S10.5STD	CD Mech.Module:Circuit Descriptions, Mech. Descriptions, Disassembly

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ⓒ**PIONEER CORPORATION 2009**
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SAFETY INFORMATION

WARNING

This product may contain a chemical known to the State of California to cause cancer, or birth defects or other reproductive harm.
Health & Safety Code Section 25249.6 - Proposition 65

EXPLODED VIEWS AND PARTS LIST

PACKING(Page 26)

PACKING SECTION PARTS LIST

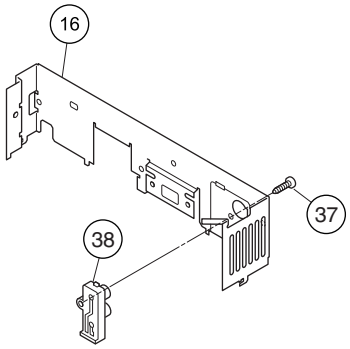
*:Non spare part

Mark	No.	Description	DEH-112E/XN/EW5	DEH-12E/XNUC
	1	Cord Assy	CDP1015	YDP5022
	2	Accessory Assy	YEA5083	* YEA5071
	3	Screw	BPZ20P080FTC	BPZ20P060FTC
	4	Screw Assy	CEA3849	YEA5072
	5	Screw	CBA1650	Not used
	11	Bush	CNV3930	Not used
	12	Polyethylene Bag	QEG3001	CEG1173
	13	Unit Box	QHG3029	QHG3050
	14	Contain Box	QHL3029	QHL3050
	15	Protector	YHP5050	QHP3008
	16	Protector	YHP5051	QHP3009
	17	Case Assy	YXB5009	Not used
*	18-1	Warranty Card	CRY1279	CRY1276
	18-2	Owner's Manual	QRD3020	QRD3041
	18-3	Installation Manual	QRD3015	Not used
*	18-4	Caution Card	CRP1401	Not used

EXTERIOR(1)(Page 28)

EXTERIOR(1) SECTION PARTS LIST

Mark	No.	Description	DEH-112E/XN/EW5	DEH-12E/XNUC
	8	Tuner Amp Unit	QWM3037	QWM3104(Tuner Amp Assy)
	13	Connector(CN871)	CKS4124	Not used
	16	Holder	YND5013	CND3754
	19	FM/AM Tuner Unit	CWE2106	CWE2025
	24	Chassis Unit	QXA3070	CXC7391
	37	Screw	Not used	BPZ26P080FTC
	38	Pin Jack(CN351)	Not used	CKB1056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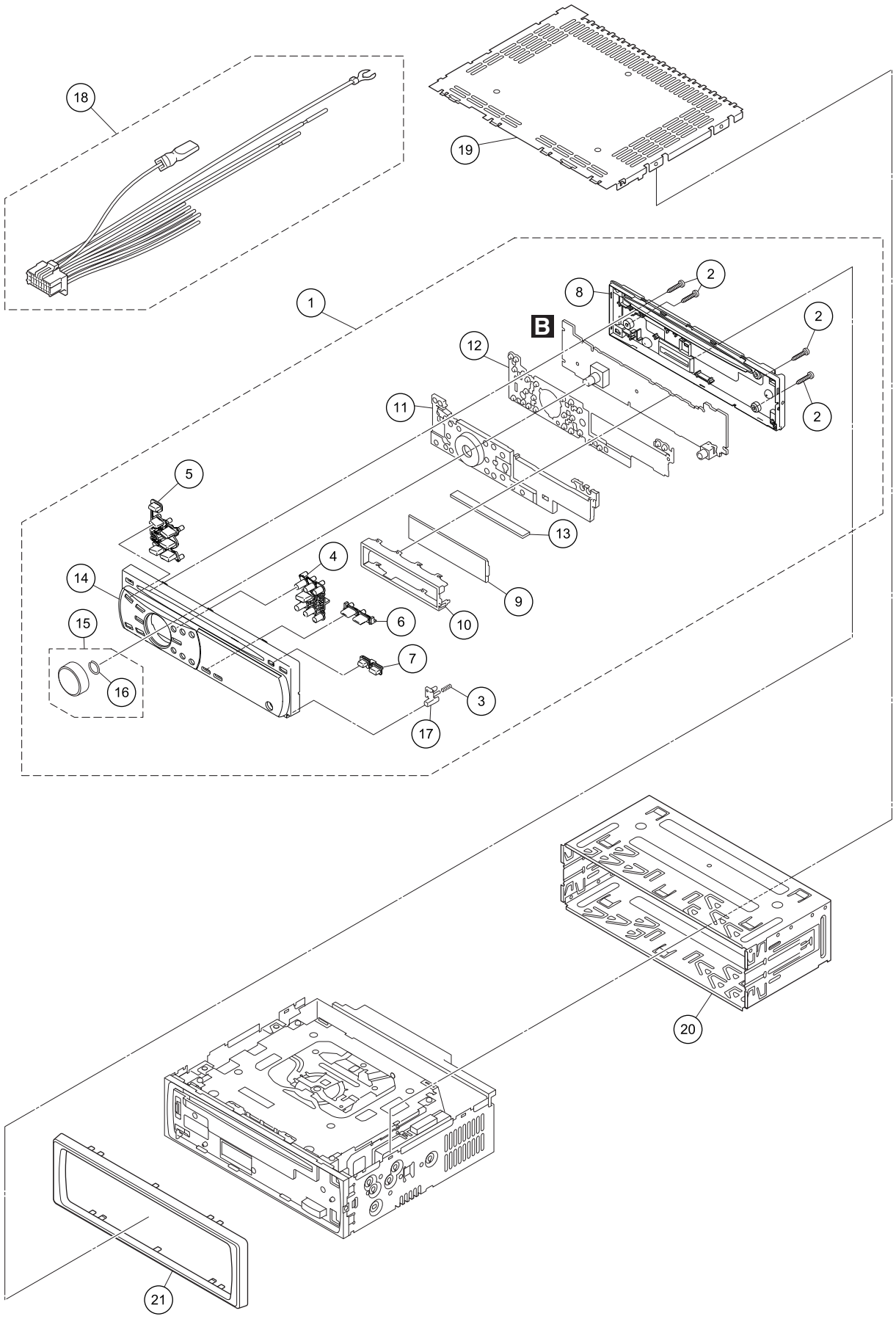
EXTERIOR(2)(Page 30)



EXTERIOR(2) SECTION PARTS LIST

Mark	No.	Description	Part No.
	1	Detachable Assy	QXA3170
	2	Screw	BPZ20P100FTC
	3	Spring	CBH2210
	4	Button(1, 2, 3, RIGHT, 4, 5, 6)	QAC3029
	5	Button(FUNCTION, EQ, UP, LEFT, DOWN, BAND)	QAC3030
	6	Button(PAUSE, CLOCK)	QAC3031
	7	Button(EJECT, AUDIO)	QAC3032
	8	Cover	QNS3106
	9	LCD(V1801)	CAW1927
	10	Holder	QNC3012
	11	Lighting Conductor	QNV3016
	12	Rubber	QNV3017
	13	Connector	QNV3018
	14	Grille Unit	QXA3152
	15	Knob Unit	QXA3153
	16	Spring	YBL5010
	17	Button	YAC5389
	18	Cord Assy	YDP5022
	19	Case	CNB2793
	20	Holder	CND3598
	21	Panel	YNS5537

ELECTRICAL PARTS LIST(Page 54)

TUNER AMP ASSY

Circuit Symbol and No.	Part Name	DEH-112E/XN/EW5	DEH-12E/XNUC
IC601	IC	PN5016A	PN5017A
Q351	Transistor	Not used	RT3N66M
Q851	Transistor	2SA1036K	Not used
D851	Diode	DAN202U	Not used
L801	Inductor	LAU2R2K	Not used
L851	Inductor	LAU2R2K	Not used
X602	Oscillator 4.71 886 MHz	Not used	CSS1727
⚠FU351	Fuse 3A	Not used	CEK1286
CN351	Pin Jack	Not used	CKB1056
CN871	Connector	CKS4124	Not used
R156		RS1/16S681J	RS1/10SR821J
R157		RS1/16S681J	RS1/10SR821J
R162		RS1/16S102J	RS1/10SR102J
R163		RS1/16S102J	RS1/10SR102J
R201		RS1/16S103J	RS1/10SR103J
R202		RS1/16S153J	RS1/10SR103J
R203		RS1/16S221J	RS1/10SR221J
R251		RS1/16S223J	RS1/10SR223J
R252		RS1/16S223J	RS1/10SR223J
R301		RS1/16S153J	RS1/10SR103J
R351		Not used	RS1/10SR223J
R352		Not used	RS1/10SR223J
R353		Not used	RS1/10SR821J
R354		Not used	RS1/10SR821J
R404		RS1/16S102J	RS1/10SR102J
R405		RS1/16S102J	RS1/10SR102J
R406		RS1/16S102J	RS1/10SR102J
R407		RS1/16S102J	RS1/10SR102J
R409		RS1/16S391J	RS1/10SR391J
R410		RS1/16S681J	RS1/10SR681J
R411		RS1/16S681J	RS1/10SR681J
R412		RS1/16S681J	RS1/10SR681J
R413		RS1/16S472J	RS1/10SR472J
R601		RS1/16S473J	RS1/10SR473J
R603		RS1/16S473J	RS1/10SR473J
R606		RS1/16S473J	RS1/10SR473J
R608		RS1/16S470J	RS1/10SR470J
R610		RS1/16S203J	RS1/10SR203J
R611		RS1/16S182J	RS1/10SR182J
R612		RS1/16S563J	RS1/10SR563J

Circuit Symbol and No.	Part Name	DEH-112E/XN/EW5	DEH-12E/XNUC
R613		RS1/16S302J	RS1/10SR302J
R615		RS1/16S563J	RS1/10SR563J
R616		RS1/16S104J	RS1/10SR104J
R617		RS1/16S473J	RS1/10SR473J
R618		RS1/16S473J	RS1/10SR473J
R619		RS1/16S104J	RS1/10SR104J
R638		RS1/16S273J	RS1/10SR273J
R643		RS1/16S104J	RS1/10SR104J
R644		RS1/16S0R0J	Not used
R645		RS1/16S0R0J	Not used
R646		RS1/16S0R0J	Not used
R647		Not used	RS1/10SR0R0J
R648		RS1/16S0R0J	Not used
R651		RS1/16S104J	RS1/10SR104J
R652		RS1/16S102J	RS1/10SR102J
R653		RS1/16S102J	RS1/10SR102J
R654		RS1/16S221J	RS1/10SR221J
R656		RS1/16S104J	RS1/10SR104J
R657		RS1/16S104J	RS1/10SR104J
R658		RS1/16S104J	RS1/10SR104J
R659		RS1/16S472J	RS1/10SR472J
R660		RS1/16S472J	RS1/10SR472J
R661		RS1/16S221J	RS1/10SR221J
R662		RS1/16S221J	RS1/10SR221J
R663		RS1/16S221J	RS1/10SR221J
R664		RS1/16S473J	RS1/10SR473J
R666		RS1/16S103J	RS1/10SR103J
R670		RS1/16S473J	RS1/10SR183J
R671		Not used	RS1/10SR473J
R672		RS1/16S104J	RS1/10SR104J
R674		RS1/16S104J	RS1/10SR104J
R675		RS1/16S473J	RS1/10SR473J
R677		Not used	RS1/10SR104J
R803		RS1/16S222J	Not used
R821		RS1/16S562J	RS1/10SR472J
R822		RS1/16S103J	RS1/10SR103J
R831		RS1/16S1R0J	RS1/10SR1R0J
R832		RS1/16S473J	RS1/10SR473J
R841		RS1/16S104J	RS1/10SR104J
R851		RS1/16S223J	Not used

Circuit Symbol and No.	Part Name	DEH-112E/XN/EW5	DEH-12E/XNUC
R852		RS1/16S472J	Not used
R853		RS1/16S153J	Not used
R854		RS1/16S102J	Not used
R855		RS1/16S104J	RS1/10SR104J
R871		RS1/16S102J	Not used
R872		RS1/16S102J	Not used
R873		RS1/16S103J	RS1/10SR103J
R874		RS1/16S103J	RS1/10SR103J
R931		RS1/16S104J	RS1/10SR104J
R932		RS1/16S223J	RS1/10SR223J
R934		RS1/16S473J	RS1/10SR472J
R935		RS1/16S473J	RS1/10SR473J
C151		CKSRYB224K10	CKSRYB224K16
C152		CKSRYB224K10	CKSRYB224K16
C353		Not used	CEJQ2R2M50
C354		Not used	CEJQ2R2M50
C359		Not used	CCSQCH471J50
C406		CCSRCH390J50	Not used
C409		CCSRCH100D50	Not used
C618		Not used	CCSRCH270J50
C634		Not used	CCSRCH270J50
C637		CKSRYB103K50	Not used
C642		CKSRYB122K50	CKSRYB182K50
C643		CKSRYB122K50	CKSRYB182K50
C646		CKSRYB103K50	Not used
C871		CKSRYB103K50	Not used
C872		CKSRYB103K50	Not used
C914		CEAT221M10	CEJQ101M10

ELECTRICAL PARTS LIST

NOTE:

- *Parts whose parts numbers are omitted are subject to being not supplied.*
- *The part numbers shown below indicate chip components.*

  Chip Resistor

  RS1/◯S◯◯◯J,RS1/◯◯S◯◯◯J

  Chip Capacitor (except for CQS.....)

  CKS....., CCS....., CSZS.....
- *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.*
- *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
- *The expression of the unit in this manual is shown by u instead of μ. Please do not make a mistake.*

B

Unit Number:
Unit Name:Keyboard Unit

MISCELLANEOUS

Circuit Symbol and No.		Part No.
IC 1801	(B,119,21) IC	PD6340A
D 1801	(A,84,22) White LED	NESW505C-5273
D 1802	(A,26,9) LED	CL-195SR-CD
D 1803	(A,14,8) LED	CL-195SR-CD
D 1804	(A,12,30) LED	CL-195SR-CD
D 1805	(A,8,40) LED	CL-195SR-CD
D 1806	(A,60,18) LED	CL-195SR-CD
D 1808	(A,27,20) LED	CL-195SR-CD
D 1810	(A,68,10) LED	CL-195SR-CD
D 1811	(A,77,8) LED	CL-195SR-CD
D 1812	(A,77,31) LED	CL-195SR-CD
D 1813	(A,69,29) LED	CL-195SR-CD
D 1814	(A,25,29) LED	CL-195SR-CD
D 1815	(A,90,6) LED	CL-195SR-CD
D 1816	(A,102,6) LED	CL-195SR-CD
D 1817	(A,163,41) LED	CL-195SR-CD
D 1818	(A,147,39) LED	CL-195SR-CD
D 1819	(A,58,28) LED	CL-195SR-CD
D 1820	(A,58,10) LED	CL-195SR-CD
X 1801	(B,110,13) Ceramic Resonator 5.00 MHz	CSS1731
S 1801	(A,43,19) Rotary Switch	YSD5020
VA 1801	(B,148,18) Varistor	EZJZ1V800AM
VA 1802	(B,157,17) Varistor	EZJZ1V800AM
CN 1801	(B,62,10) Connector	CKS5663
JA 1801	(A,153,7) Jack	CKN1082
V 1801	(A,159,32) LCD	CAW1927

RESISTORS

Circuit Symbol and No.		Part No.
R 1801	(B,108,20)	RS1/10SR222J
R 1802	(B,107,22)	RS1/10SR222J
R 1803	(B,26,18)	RS1/4SA561J
R 1804	(B,62,24)	RS1/4SA821J
R 1805	(B,85,19)	RS1/4SA561J
R 1806	(B,91,16)	RS1/4SA561J
R 1807	(B,23,23)	RS1/4SA681J
R 1813	(B,86,21)	RS1/4SA821J
R 1814	(B,66,31)	RS1/10SR0R0J
R 1833	(B,111,7)	RS1/10SR473J
R 1839	(B,55,22)	RS1/10SR473J

CAPACITORS

Circuit Symbol and No.		Part No.
C 1801	(B,132,22)	CKSRYB105K10
C 1810	(B,139,14)	CKSRYB472K50
C 1811	(B,146,21)	CKSRYB472K50
C 1812	(B,160,13)	CKSRYB104K50