Pioneer

Service Manual

ORDER NO.
ERT0005

RDS AV RECEIVER

MVH-AV290BT/XEVEW5
MVH-AV290BT/XNUC
MVH-AV295BT/XNCS
MVH-AV299BT/XNID

Made for iPod iPhone

Bluetooth®

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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
MVH-AV280BT/XNEW5	CRT5875		

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ⓒ**PIONEER CORPORATION 2016**

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EXPLODED VIEWS AND PARTS LIST

PACKING(Page 31)

PACKING SECTION PARTS LIST

* : Non spare part

Mark	No.	Description	MVH-AV280BT/ XNEW5	MVH-AV290BT/ XEVEW5	MVH-AV290BT/ XNUC	MVH-AV295BT/ XNCS	MVH-AV299BT/ XNID
	1	Cord Assy	CDP1697	CDP1697	CDP1696	CDP1696	CDP1696
	4	Screw	CBA2383	CBA2383	CBA2383	Not used	Not used
	6	Handle	CND6289	CND6289	Not used	Not used	Not used
	7	Cover	CEG1356	CEG1356	CEG1359	CEG1356	CEG1356
	8	Unit Box	QHG3909	QHG4044	QHG4047	QHG4045	QHG4048
	9	Contain Box	QHL3909	QHL4044	QHL4047	QHL4045	QHL4048
	10	Protector	CHP4599	CHP4599	CHP4598	CHP4598	CHP4598
	11	Card Remote Control Unit	Not used	Not used	Not used	Not used	CXE5116
	12	IM CD-ROM	QPJ3035	QPJ3057	Not used	Not used	Not used
	16	Panel	Not used	Not used	Not used	CNS9475	CNS9475
*	17	Accessory Assy	QEA3354	QEA3354	QEA3335	QEA3336	QEA3336
	18-1	Owner's Manual	QRB3566	QRB3686	QRD3474	QRD3475	QRB3685
	18-2	Quick Start Guide	QRD3361	QRD3467	Not used	Not used	Not used
	18-3	Installation Manual	QRD3362	QRD3469	Not used	Not used	Not used
*	18-4	Caution Card	CRP1441	CRP1441	Not used	Not used	Not used
*	18-5	Warranty Card	CRY1376	CRY1376	QRY3001	Not used	CRY1304

Owner's Manual, Installation Manual

Part No.	Language
QRB3685	English
QRB3686	Russian
QRD3467	English, French, Italian, Spanish(Espanol), German, Dutch, Russian
QRD3469	English, French, Italian, Spanish(Espanol), German, Dutch, Russian
QRD3474	English, French, Spanish(Espanol)
QRD3475	English, Spanish(Mexicano), Portuguese(B)

CONTENTS OF CD-ROM (Operation Manual), QPJ3057

Part No.	Language
*QRB3669	English
*QRB3670	French
*QRB3671	Italian
*QRB3672	Spanish(Espanol)
*QRB3673	German
*QRB3674	Dutch
*QRB3686	Russian
*QRB3675	Swedish
*QRB3676	Norwegian
*QRB3677	Finnish
*QRB3678	Danish
*QRB3679	Portuguese
*QRB3680	Greek
*QRB3681	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.

EXTERIOR (1) (Page 34)

EXTERIOR (1) SECTION PARTS LIST

Mark	No.	Description	MVH-AV280BT/ XNEW5	MVH-AV290BT/ XEVEW5	MVH-AV290BT/ XNUC	MVH-AV295BT/ XNCS	MVH-AV299BT/ XNID
	6	Monitor Key Unit	QWM4237	QWM4438	QWM4439	QWM4439	QWM4439
*	11	Monitor Assy	QXA4677	QXA4934	QXA4936	QXA4935	QXA4937
	20	Grille Assy	QXA4683	QXA4954	QXA4956	QXA4955	QXA4957
	23	Grille	QNS4048	QNS4117	QNS4119	QNS4118	QNS4120
	25	Holder	CND7102	CND7102	Not used	Not used	Not used
	26	Panel	CNU2645	CNU2645	Not used	Not used	Not used

EXTERIOR (2) (Page 36)

EXTERIOR (2) SECTION PARTS LIST

Mark	No.	Description	MVH-AV280BT/ XNEW5	MVH-AV290BT/ XEVEW5	MVH-AV290BT/ XNUC	MVH-AV295BT/ XNCS	MVH-AV299BT/ XNID
	2	Cord Assy	CDP1697	CDP1697	CDP1696	CDP1696	CDP1696
	3	Card Remote Control Unit	Not used	Not used	Not used	Not used	CXE5116
	4	Battery Cover	Not used	Not used	Not used	Not used	CNU1624
	8	Mother Unit	QWM4231	QWM4427	QWM4428	QWM4429	QWM4431

ELECTRICAL PARTS LIST(Page 61)

MOTHER UNIT

Circuit Symbol and No.	Part Name	MVH-AV280BT/ XNEW5	MVH-AV290BT/ XEVEW5	MVH-AV290BT/ XNUC	MVH-AV295BT/ XNCS	MVH-AV299BT/ XNID
IC701	IC	337S3959	337S3959	337S3959	337S3959	Not used
IC721	Flash ROM Unit	CWJ2743	QVQ1008	QVQ1009	QVQ1012	QVQ1011
Q701	Bipolar TR	LSAR523UB	LSAR523UB	LSAR523UB	LSAR523UB	Not used
Q3121	Bipolar TR	Not used	Not used	Not used	EMD53	EMD53
Q3122	Bipolar TR	Not used	Not used	Not used	EMD53	EMD53
Q3123	Bipolar TR	Not used	Not used	Not used	EMD53	EMD53
Q3124	Bipolar TR	Not used	Not used	Not used	EMD53	EMD53
R417		Not used	Not used	Not used	RS1/16SS104J	Not used
R418		RS1/16SS104J	RS1/16SS104J	Not used	Not used	RS1/16SS104J
R419		Not used	Not used	Not used	RS1/16SS104J	RS1/16SS104J
R420		RS1/16SS104J	RS1/16SS104J	Not used	Not used	Not used
R464		Not used	Not used	Not used	RS1/16SS104J	RS1/16SS104J
R465		RS1/16SS104J	RS1/16SS104J	RS1/16SS104J	Not used	Not used
R701		RS1/16SS473J	RS1/16SS473J	RS1/16SS473J	RS1/16SS473J	Not used
R702		RS1/16SS472J	RS1/16SS472J	RS1/16SS472J	RS1/16SS472J	Not used
R703		RS1/16SS222J	RS1/16SS222J	RS1/16SS222J	RS1/16SS222J	Not used
R704		RS1/16SS222J	RS1/16SS222J	RS1/16SS222J	RS1/16SS222J	Not used
R705		RS1/16SS183J	RS1/16SS183J	RS1/16SS183J	RS1/16SS183J	Not used
R706		RS1/16SS101J	RS1/16SS101J	RS1/16SS101J	RS1/16SS101J	Not used
R707		RS1/16SS101J	RS1/16SS101J	RS1/16SS101J	RS1/16SS101J	Not used
R708		RS1/16SS221J	RS1/16SS221J	RS1/16SS221J	RS1/16SS221J	Not used
R3129		Not used	Not used	Not used	RS1/16SS6800D	RS1/16SS6800D
R3130		Not used	Not used	Not used	RS1/16SS6800D	RS1/16SS6800D
R3132		Not used	Not used	Not used	RS1/16SS8201D	RS1/16SS8201D
R3133		Not used	Not used	Not used	RS1/16SS8201D	RS1/16SS8201D
C402		Not used	Not used	Not used	CKSSYB104K10	CKSSYB104K10
C403		Not used	Not used	Not used	CKSSYB104K10	CKSSYB104K10
C701		CKSSYB104K10	CKSSYB104K10	CKSSYB104K10	CKSSYB104K10	Not used
C702		CKSSYB102K50	CKSSYB102K50	CKSSYB102K50	CKSSYB102K50	Not used
C1319		XCEHAT332M16	CEHAT332M16	CEHAT332M16	CEHAT332M16	CEHAT332M16
C3125		Not used	Not used	Not used	CKSSYB104K10	CKSSYB104K10

MONITOR KEY UNIT

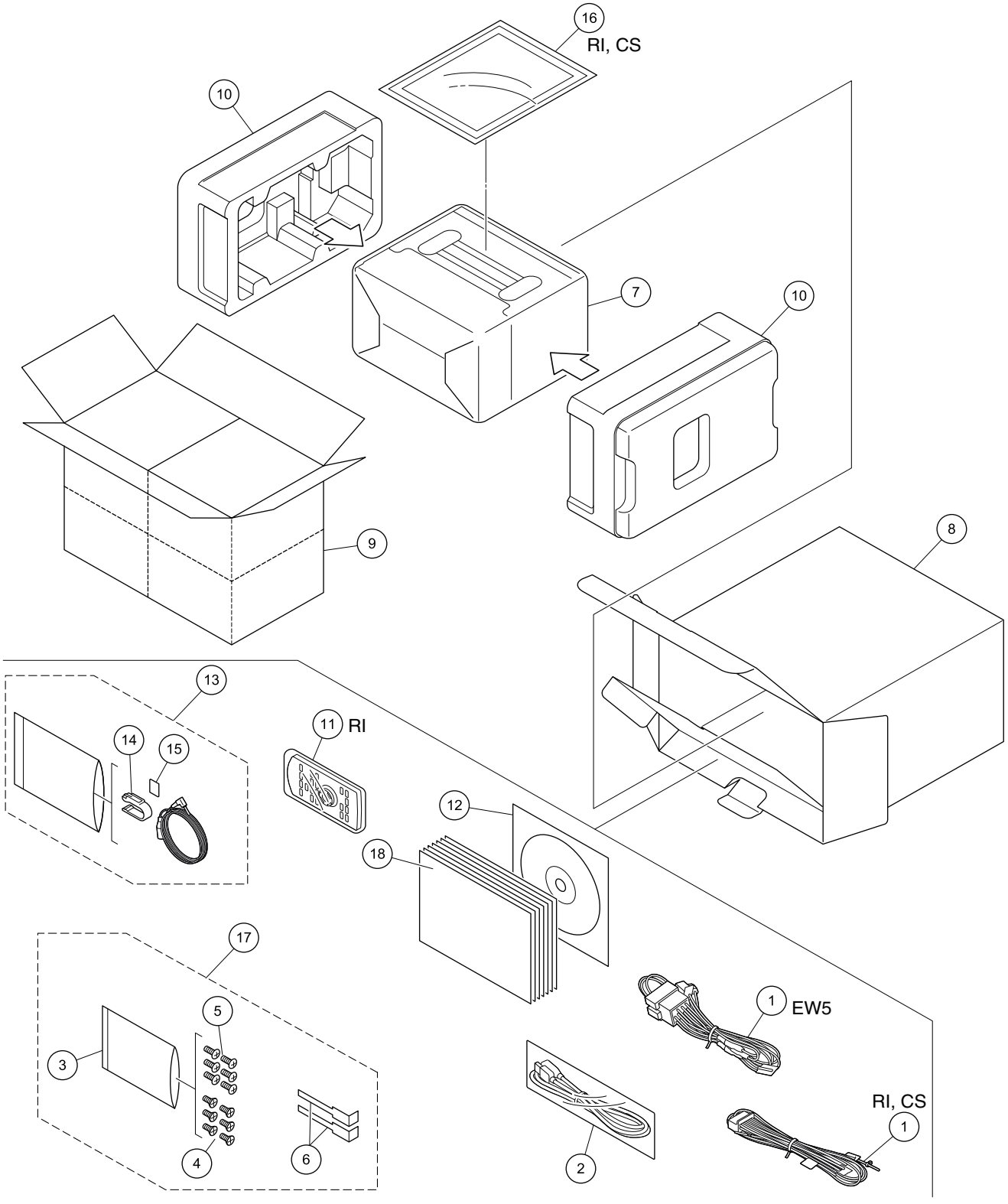
Circuit Symbol and No.	Part Name	MVH-AV280BT/XNEW5	MVH-AV290BT/XEVEW5	MVH-AV290BT/XNUC MVH-AV295BT/XNCS MVH-AV299BT/XNID
D5601	LED	FM-3528SXK620H08 (Red)	FM-3528SXK620H08 (Red)	FM-3528BK-470M (Blue)

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

9. EXPLODED VIEWS AND PARTS LIST

NOTES : • *Parts marked by " * " are generally unavailable because they are not in our Master Spare Parts List.*
• *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.*
• *Screw adjacent to▽ mark on the product are used for disassembly.*
• *For the applying amount of lubricants or glue, follow the instructions in this manual. (In the case of no amount instructions,apply as you think it appropriate.)*

9.1 PACKING



(1) PACKING SECTION PARTS LIST

Mark	No.	Description	Part No.
	1	Cord Assy	See Contrast table (2)
	2	USB Extended Cable	CDP1587
*	3	Polyethylene Bag	CEG1160
	4	Screw	See Contrast table (2)
	5	Screw	CBA2384
	6	Handle	See Contrast table (2)
	7	Cover	CEG1356
	8	Unit Box	See Contrast table (2)
	9	Contain Box	See Contrast table (2)
	10	Protector	See Contrast table (2)
	11	Card Remote Control Unit	See Contrast table (2)
	12	IM CD-ROM	See Contrast table (2)
	13	Microphone Assy	CPM1109
	14	Holder	CZN7192
	15	Cushion	CZN7193
	16	Panel	See Contrast table (2)
	17	Accessory Assy	See Contrast table (2)
	18-1	Owner's Manual	See Contrast table (2)
	18-2	Quick Start Guide	See Contrast table (2)
	18-3	Installation Manual	See Contrast table (2)
*	18-4	Caution Card	See Contrast table (2)
*	18-5	Warranty Card	See Contrast table (2)

(2) CONTRAST TABLE

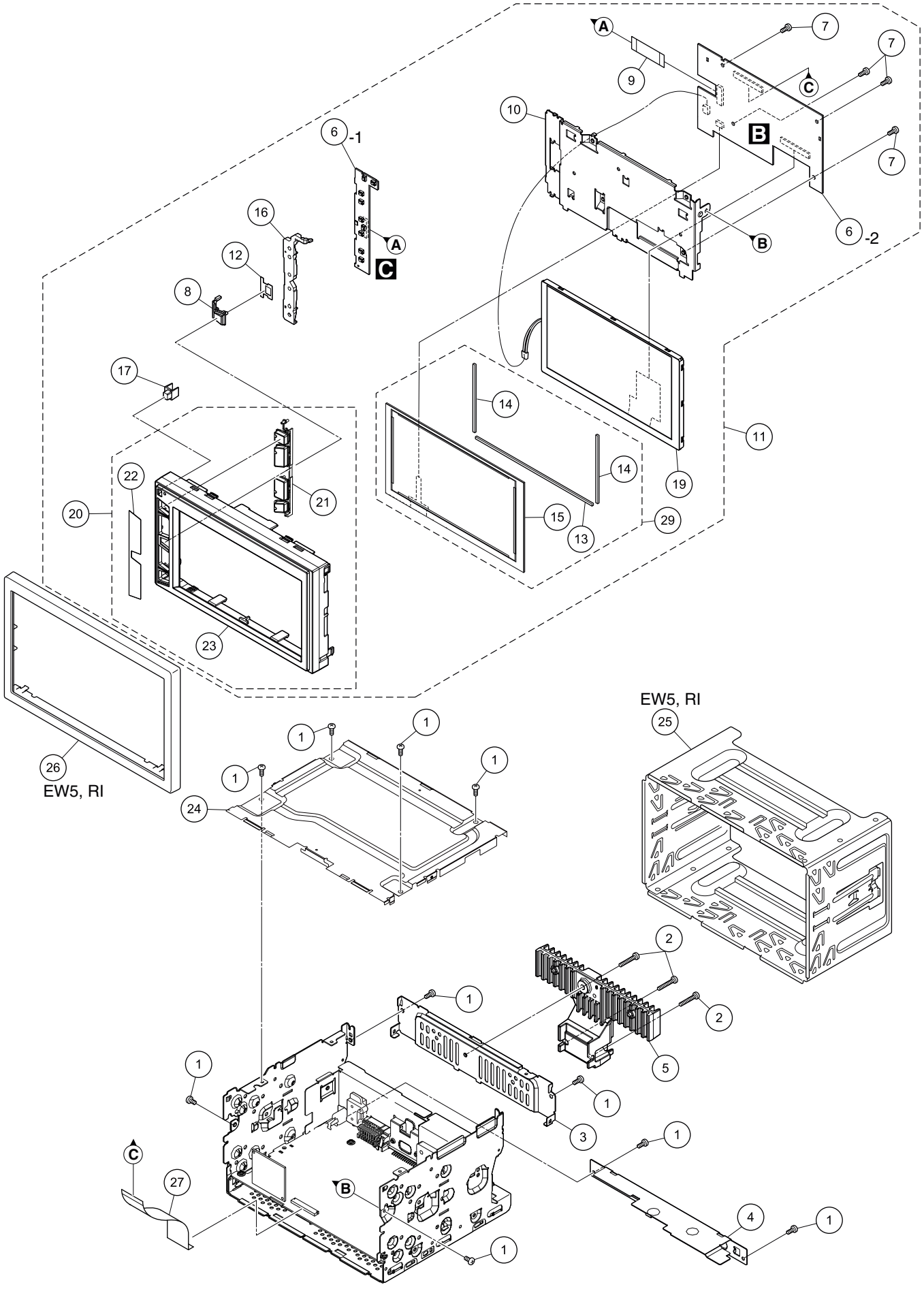
MVH-AV280BT/XNEW5, MVH-AV285BT/XNRI and MVH-AV285BT/XNCS are constructed the same except for the following:

Mark	No.	Description	MVH-AV280BT/XNEW5	MVH-AV285BT/XNRI	MVH-AV285BT/XNCS
	1	Cord Assy	CDP1697	CDP1696	CDP1696
	4	Screw	CBA2383	Not used	Not used
	6	Handle	CND6289	CND6289	Not used
	8	Unit Box	QHG3909	QHG3911	QHG3910
	9	Contain Box	QHL3909	QHL3911	QHL3910
	10	Protector	CHP4599	CHP4599	CHP4598
	11	Card Remote Control Unit	Not used	CXE5116	Not used
	12	IM CD-ROM	QPJ3035	Not used	Not used
	16	Panel	Not used	CNS9475	CNS9475
	17	Accessory Assy	QEA3354	QEA3355	QEA3336
	18-1	Owner's Manual	QRB3566	QRD3364	QRD3363
	18-2	Quick Start Guide	QRD3361	Not used	Not used
	18-3	Installation Manual	QRD3362	Not used	Not used
*	18-4	Caution Card	CRP1441	Not used	Not used
*	18-5	Warranty Card	CRY1376	Not used	Not used

Owner's Manual,Installation Manual

Part No.	Language
QRB3566	Russian
QRD3361	English(Great Britain), French, Italian, Spanish(Espanol), German, Dutch, Russian
QRD3362	English(Great Britain), French, Italian, Spanish(Espanol), German, Dutch, Russian
QRD3364	English(Great Britain), Arabic, Persian
QRD3363	English(Great Britain), Spanish(Mexicano), Portuguese(B)

9.2 EXTERIOR(1)



(1) EXTERIOR(1) SECTION PARTS LIST

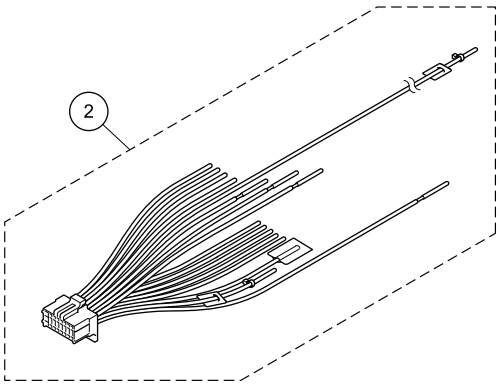
Mark	No.	Description	Part No.
	1	Screw	BSZ26P060FTC
	2	Screw	BSZ26P120FTC
	3	Holder	CND7211
	4	Holder	CND7212
	5	Heat Sink	CNR2170
	6	Monitor Key Unit	See Contrast table (2)
	7	Screw	BSZ26P060FTC
	8	Button(HOME)	CAI4449
	9	FFC	CDE9768
	10	Holder	CND7198
	11	Monitor Assy	See Contrast table (2)
	12	Sheet	CNN4864
	13	Cushion	CNN4273
	14	Cushion	CNN4964
	15	Touch Panel	CSX1273
	16	Lighting Conductor	CNW3302
	17	Lighting Conductor	CNW3303
	18	•••••	
	19	TFT LCD	CWX4348
	20	Grille Assy	See Contrast table (2)
	21	Button	CAI4450
*	22	Plate	CNN4851
	23	Grille	See Contrast table (2)
	24	Case	CNB3945
	25	Holder	See Contrast table (2)
	26	Panel	See Contrast table (2)
	27	FFC	CDD1084
	28	•••••	
	29	Touch Panel Unit	CXE8371

(2) CONTRAST TABLE

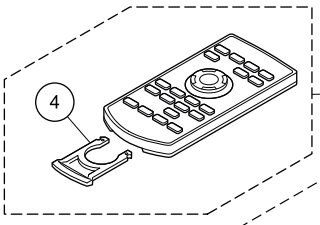
MVH-AV280BT/XNEW5, MVH-AV285BT/XNRI and MVH-AV285BT/XNCS are constructed the same except for the following:

Mark	No.	Description	MVH-AV280BT/XNEW5	MVH-AV285BT/XNRI	MVH-AV285BT/XNCS
	6	Monitor Key Unit	QWM4237	QWM4238	QWM4238
	11	Monitor Assy	QXA4677	QXA4678	QXA4678
	20	Grille Assy	QXA4683	QXA4684	QXA4684
	23	Grille	QNS4048	QNS4049	QNS4049
	25	Holder	CND7102	CND7102	Not used
	26	Panel	CNU2645	CNU2645	Not used

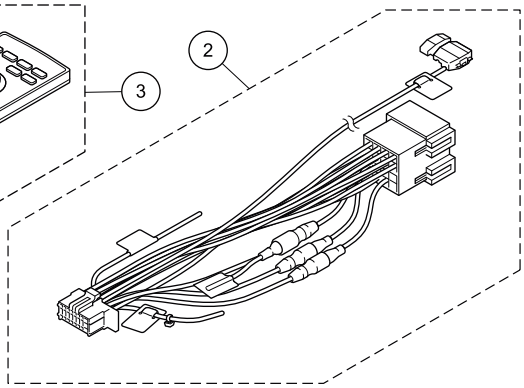
9.3 EXTERIOR(2)



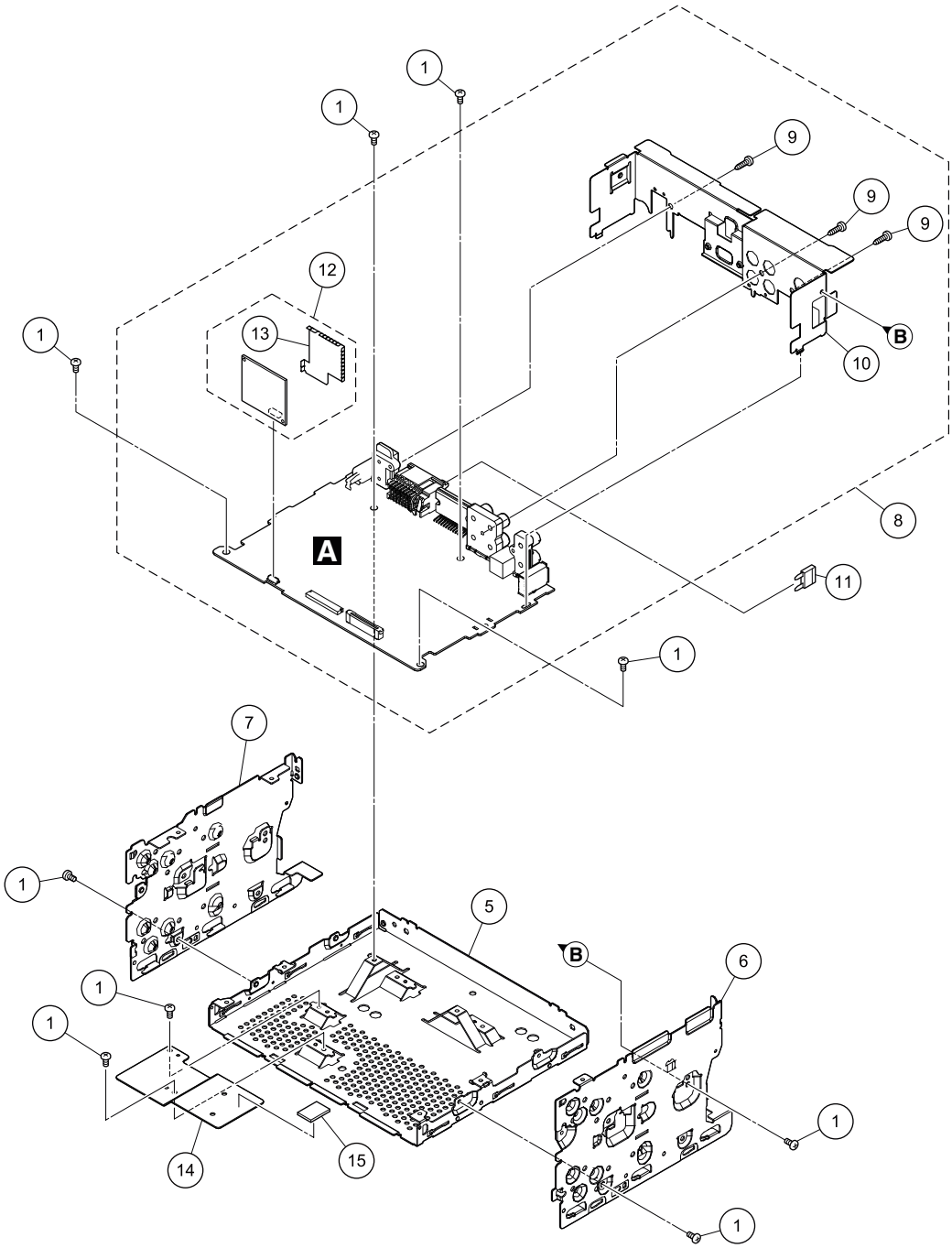
RI, CS



RI



EW5



(1) EXTERIOR(2) SECTION PARTS LIST

Mark	No.	Description	Part No.
	1	Screw	BSZ26P060FTC
	2	Cord Assy	See Contrast table (2)
	3	Card Remote Control Unit	See Contrast table (2)
	4	Battery Cover	See Contrast table (2)
	5	Chassis	CNA3310
	6	Bracket	CND6985
	7	Bracket	CND6986
	8	Mother Unit	See Contrast table (2)
	9	Screw	BPZ26P080FTC
	10	Holder	CND7250
⚠	11	Fuse(10 A)	YEK5001
	12	BT Module	CWX4772
	13	Shield Case	YNC5123
	14	Holder	CND7260
	15	Sheet	CNN5016

(2) CONTRAST TABLE

MVH-AV280BT/XNEW5, MVH-AV285BT/XNRI and MVH-AV285BT/XNCS are constructed the same except for the following:

Mark	No.	Description	MVH-AV280BT/XNEW5	MVH-AV285BT/XNRI	MVH-AV285BT/XNCS
	2	Cord Assy	CDP1697	CDP1696	CDP1696
	3	Card Remote Control Unit	Not used	CXE5116	Not used
	4	Battery Cover	Not used	CNU1624	Not used
	8	Mother Unit	QWM4231	QWM4233	QWM4232

12. 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.....
- *Parts marked by " * " are generally unavailable because they are not in our Master Spare Parts List.*
- *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.*

A:MVH-AV280BT/XNEW5

B:MVH-AV285BT/XNRI

C:MVH-AV285BT/XNCS

Unit Number : QWM4231(A)

Unit Number : QWM4233(B)

Unit Number : QWM4232(C)

Unit Name : Mother Unit

Unit Number : QWM4237(A)

Unit Number : QWM4238(B,C)

Unit Name : Monitor Key Unit

A

Unit Number : QWM4231(A)

Unit Number : QWM4233(B)

Unit Number : QWM4232(C)

Unit Name : Mother Unit

MISCELLANEOUS

Circuit Symbol and No.			Part No.
IC 101	(B,54,64)	Regulator IC	NJW4181U3-33B
IC 111	(A,74,74)	Regulator IC	NJW4184DL3-08A
IC 151	(B,66,41)	Regulator IC	S-1172B33-E6
IC 161	(B,75,36)	Regulator IC	MM3479A13P
IC 201	(A,70,24)	Regulator IC	MM3479A33P
IC 211	(B,34,66)	Regulator IC	MM3571A33P
IC 231	(B,134,73)	Regulator IC	MM1856A50N
IC 232	(B,40,25)	Regulator IC	MM3411A33N
IC 241	(B,48,25)	Regulator IC	MM3479A18P
IC 301	(B,152,41)	IC	AN33012UA
* IC401	(A,49,46)	Flash Blank UC IC	MN103LF15RXW
IC 402	(A,52,64)	Serial Flash Memory IC	MX25L1606EM2I-12G
IC 601	(B,114,39)	AUD DSP SYS LSI	SPHE8202GQ-HL11P
IC 701	(B,119,61)	IC	337S3959
IC 721	(A,108,27)	Flash ROM Unit(A)	CWJ2007
IC 721	(A,108,27)	Flash ROM Unit(B)	CWJ2008
IC 721	(A,108,27)	FLASH ROM Unit(C)	CWJ2010
IC 741	(A,105,44)	RAM IC	A3V28S40JTP-60
IC 1111	(A,131,78)	IC	NJM2505AF
IC 1112	(A,123,60)	V AMP IC	BH7673G
IC 1113	(A,126,78)	IC	NJM2505AF
IC 1131	(A,123,69)	Video Driver IC	NJM41050V
IC 1132	(A,131,72)	V SW IC	NJM41010F1
IC 1201	(B,88,74)	IC	PM9012A
IC 1251	(B,100,62)	Op-amp IC	NJM8065RB1
IC 1252	(B,76,63)	Op-amp IC	NJM8065RB1
IC 1301	(A,86,120)	Power AMP IC	PA2032A
IC 2201	(A,17,78)	Tuner IC	TEF6686HN
IC 2401	(B,159,79)	DC/DC Converter IC	AN33014UA
Q 301	(A,158,45)	Power MOS FET	ATP112-H
Q 302	(A,146,45)	Power MOS FET	ATP112-H
Q 501	(A,12,40)	Chip Transistor	HN1C03FU
Q 502	(A,22,45)	Transistor	UMF5N
Q 503	(A,22,40)	Transistor	UMF5N
Q 601	(B,128,59)	Bipolar Transistor	EMD53
Q 602	(B,128,55)	Transistor	EMH53
Q 701	(B,113,61)	Bipolar Transistor	LSAR523UB
Q 910	(A,43,70)	Chip Transistor	HN1C01FU
Q 920	(B,41,64)	Resistor Built-IN TR	LTC014EEB
Q 930	(B,50,85)	Bipolar Transistor	LSCR523UB
Q 950	(B,34,75)	Bipolar Transistor	LSAR523UB
Q 1251	(A,91,65)	Bipolar Transistor	LSCR523UB
Q 1301	(A,70,86)	Bipolar Transistor	LSCR523UB
Q 1302	(B,69,84)	Transistor	RN4987
Q 1304	(B,73,86)	Chip Transistor	RN1903
Q 3121	(A,28,59)	Bipolar Transistor(B,C)	EMD53
Q 3122	(A,28,53)	Bipolar Transistor(B,C)	EMD53
Q 3123	(A,32,59)	Bipolar Transistor(B,C)	EMD53
Q 3124	(A,32,53)	Bipolar Transistor(B,C)	EMD53
Q 3161	(B,109,80)	Transistor	EMH53
Q 3162	(B,102,80)	Transistor	EMH53
D 101	(A,64,86)	Diode	D1F60-5053
D 161	(B,74,47)	Diode	D1F60-5053
D 162	(B,77,47)	Diode	D1F60-5053

Circuit Symbol and No.		Part No.
D 301	(A,156,36) Diode	RB056L-40
D 302	(A,147,36) Diode	RB056L-40
D 402	(A,36,59) Schottky Diode	DB2J31400
D 403	(B,45,60) Schottky Diode	DB2J31400
D 501	(A,15,37) Rectifier Diode	DA2J101
D 901	(A,145,67) Diode	RB080L-30
D 902	(A,65,104) Diode	D1F60-5053
D 903	(A,65,107) Diode	D1F60-5053
D 911	(A,44,76) Diode	DZ2J062M0
D 912	(A,46,76) Diode	DZ2J068M0
D 920	(B,47,63) Rectifier Diode	DA2J101
D 930	(B,53,85) Diode	DZ2J056M0
D 940	(A,39,87) Diode	D1F60-5053
D 950	(B,35,79) Rectifier Diode	DA2J101
D 1301	(A,65,79) Rectifier Diode	DA2J101
D 1302	(A,73,86) Rectifier Diode	DAN202UM
D 1303	(A,67,85) Diode	DZ2J082M0
D 1304	(B,65,85) Rectifier Diode	DA2J101
D 2201	(A,13,99) Diode	EZAEG2A50AX
D 2202	(A,22,99) Diode	EZAEG2A50AX
D 2401	(A,148,73) Diode	D1F60-5053
D 2402	(A,166,71) Diode	RB060M-30
D 3101	(B,130,99) Diode	DZ2S068C
D 3102	(B,137,95) Diode	DZ2S068C
D 3103	(B,132,97) Diode	DZ2S068C
D 3123	(B,30,30) Diode	DZ2S068C
D 3124	(B,27,30) Diode	DZ2S068C
D 3191	(B,156,90) Diode	EZAEG2A50AX
D 3192	(B,156,88) Diode	EZAEG2A50AX
L 301	(A,158,26) Inductor	CTH1254
L 302	(A,145,26) Inductor	CTH1253
L 601	(A,121,53) Inductor	LCTC2R2K1608
L 602	(A,84,23) Inductor	LCTC2R2K1608
L 603	(A,87,22) Inductor	LCTC2R2K1608
L 604	(A,90,24) Inductor	LCTC2R2K1608
L 721	(A,102,27) Inductor	CTF1786
L 741	(A,106,31) Inductor	CTF1786
L 901	(A,146,61) Choke Coil 10 uH	CTH1486
L 902	(A,53,95) Choke Coil	CTH1621
L 2202	(A,13,95) Inductor	CTF1389
L 2204	(A,21,98) Inductor	LCMAR27J1608
L 2206	(A,13,89) Inductor	LCYC150K1608
L 2401	(A,157,72) SMD Inductor	CTH1524
L 2402	(A,162,71) Inductor	CTF1793
L 3191	(B,151,89) Inductor	CTF1713
X 401	(A,31,46) Crystal Resonator 12.500 MHz	CSS1839
X 601	(B,131,39) Resonator 27.000 MHz	CSS1768
X 2201	(A,27,83) Crystal Resonator 9.216 MHz	CSS1867
⚠P303	Fuse 750 mA	CEK1398
P 2202	(B,19,102) Surge Absober	IMSA-6803-01Y900
P 3121	(A,32,111) Poly Switch	FSMD075-24R
P 3151	(B,122,87) Poly Switch	FSMD075-24R
P 3161	(B,122,93) Poly Switch	FSMD075-24R
BZ401	(A,20,60) Buzzer	CPV1062
VL2201	(A,18,90) Variable Coil	CTC1216
U 2901	(A,45,14) BT Module	CWX4772
CN2901	(A,45,14) B to B Connector	CKS6346
CN3201	(A,79,14) FFC/FPC Connector	CKS6672
JA901	(A,52,120) Connector	CKM1613
JA2201	(A,11,115) Jack	CKX1104
JA3101	(A,139,116) Jack	CKN1106
JA3122	(A,25,122) Jack	CKN1103
JA3151	(A,152,114) Jack	CKB1117
JA3161	(A,119,111) Jack	CKB1109
JA3191	(A,165,97) Jack	CKN1118

RESISTORS

R 303	(B,158,37)	RS1/16SS511J
R 304	(B,159,37)	RS1/16SS2702D
R 305	(B,160,39)	RS1/16SS1101D
R 306	(B,160,37)	RS1/16SS2701D
R 307	(B,160,40)	RS1/16SS473J
R 308	(B,154,35)	RS1/16SS103J
R 310	(B,155,47) 12 mohm	CCN1321
R 311	(B,156,35)	RS1/16SS204J
R 312	(B,157,35)	RS1/16SS394J
R 313	(B,148,47) 12 mohm	CCN1321
R 314	(B,152,35)	RS1/16SS224J
R 315	(B,145,41)	RS1/16SS123J
R 316	(B,145,38)	RS1/16SS1002F
R 317	(B,145,37)	RS1/16SS0R0J
R 318	(B,145,40)	RS1/16SS3302D
R 319	(B,143,39)	RS1/16SS561J
R 322	(A,72,42)	RS1/16SS473J
R 323	(A,73,42)	RS1/16SS473J
R 324	(A,158,6)	RS1/10SR0R0J
R 401	(A,48,67)	RS1/16SS473J
R 402	(A,54,60)	RS1/16SS473J
R 403	(B,46,70)	RS1/16SS473J
R 406	(B,52,39)	RS1/16SS473J
R 407	(B,48,38)	RS1/16SS473J
R 408	(B,54,34)	RS1/16SS473J
R 411	(A,33,46)	RS1/16SS0R0J
R 412	(A,39,59)	RS1/16SS473J
R 413	(A,35,58)	RS1/16SS103J
R 414	(A,34,39)	RS1/16SS102J
R 415	(B,39,41)	RS1/16SS473J
R 416	(B,33,40)	RS1/16SS104J
R 417	(A,67,53) (C)	RS1/16SS104J
R 418	(A,64,53) (A,B)	RS1/16SS104J
R 419	(A,67,54) (C)	RS1/16SS104J
R 420	(A,64,54) (A,B)	RS1/16SS104J
R 421	(A,67,55)	RS1/16SS104J
R 423	(A,29,38)	RS1/16SS101J
R 424	(A,45,32)	RS1/16SS101J
R 425	(A,47,32)	RS1/16SS101J
R 426	(B,54,39)	RS1/16SS101J
R 427	(A,53,33)	RS1/16SS101J
R 428	(A,55,32)	RS1/16SS561J
R 429	(A,62,37)	RS1/16SS471J
R 430	(A,63,49)	RS1/16SS101J
R 431	(B,54,40)	RS1/16SS101J
R 432	(A,64,36)	RS1/16SS822J
R 433	(A,46,59)	RS1/16SS101J
R 434	(A,49,58)	RS1/16SS101J
R 435	(A,58,62)	RS1/16SS101J
R 436	(A,36,47)	RS1/16SS102J
R 438	(A,34,38)	RS1/16SS473J
R 439	(B,26,36)	RS1/16SS473J

Circuit Symbol and No.			Part No.
R 440	(B,35,36)		RS1/16SS473J
R 441	(B,30,36)		RS1/16SS473J
R 442	(B,18,39)		RS1/16SS102J
R 443	(A,63,44)		RS1/16SS473J
R 444	(A,63,43)		RS1/16SS473J
R 445	(A,63,48)		RS1/16SS473J
R 446	(B,61,49)		RS1/16SS473J
R 447	(B,59,67)		RS1/16SS473J
R 448	(B,59,68)		RS1/16SS104J
R 449	(B,43,53)		RS1/16SS471J
R 450	(B,42,53)		RS1/16SS471J
R 451	(B,46,53)		RS1/16SS472J
R 452	(B,46,52)		RS1/16SS472J
R 453	(B,44,60)		RS1/16SS103J
R 454	(B,44,47)		RS1/16SS473J
R 455	(B,49,61)		RS1/16SS473J
R 458	(B,59,42)		RS1/16SS473J
R 460	(B,56,55)		RS1/16SS473J
R 464	(A,67,52)	(B,C)	RS1/16SS104J
R 465	(A,64,52)	(A)	RS1/16SS104J
R 466	(B,44,55)		RS1/16SS0R0J
R 467	(B,46,55)		RS1/16SS183J
R 468	(A,32,38)		RS1/16SS102J
R 469	(A,47,62)		RS1/16SS473J
R 470	(A,58,65)		RS1/16SS473J
R 501	(A,12,38)		RS1/16SS102J
R 502	(A,13,42)		RS1/16SS102J
R 503	(A,15,40)		RS1/16SS222J
R 504	(A,9,41)		RS1/16SS222J
R 505	(A,25,44)		RS1/16SS103J
R 506	(A,25,46)		RS1/16SS103J
R 507	(A,25,39)		RS1/16SS103J
R 508	(A,25,41)		RS1/16SS103J
R 509	(A,20,44)		RS1/16SS105J
R 510	(A,21,38)		RS1/16SS105J
R 601	(B,104,30)		RS1/16SS221J
R 602	(B,104,29)		RS1/16SS473J
R 603	(B,102,30)		RS1/16SS103J
R 604	(B,104,31)		RS1/16SS103J
R 605	(B,102,31)		RS1/16SS103J
R 606	(A,102,30)		RS1/16SS473J
R 607	(A,103,32)		RS1/16SS221J
R 608	(B,115,59)		RS1/16SS473J
R 609	(B,117,56)		RS1/16SS473J
R 611	(A,122,49)		RS1/16SS1001D
R 612	(A,121,51)		RS1/16SS3000D
R 613	(A,80,23)		RS1/16SS0R0J
R 616	(B,127,39)		RS1/16SS105J
R 617	(B,126,38)		RS1/16SS152J
R 625	(B,108,22)		RS1/16SS101J
R 626	(B,109,23)		RS1/16SS101J
R 627	(B,104,46)		RS1/16SS560J
R 628	(B,107,24)		RS1/16SS472J
R 631	(B,129,62)		RS1/16SS102J
R 632	(B,126,60)		RS1/16SS471J
R 633	(B,102,36)		RS1/16SS101J
R 634	(B,102,37)		RS1/16SS101J
R 635	(B,104,36)		RS1/16SS104J
R 636	(B,116,53)		RS1/16SS0R0J
R 637	(B,125,50)		RS1/16SS821J
R 638	(B,125,51)		RS1/16SS821J

Circuit Symbol and No.			Part No.
R 639	(B,131,60)		RS1/16SS223J
R 640	(B,125,61)		RS1/16SS223J
R 641	(A,83,25)		RS1/16SS3000D
R 642	(A,86,25)		RS1/16SS3000D
R 643	(A,90,26)		RS1/16SS3000D
R 701	(B,113,58)		RS1/16SS473J
R 702	(B,113,59)		RS1/16SS472J
R 703	(B,118,59)		RS1/16SS222J
R 704	(B,120,59)		RS1/16SS222J
R 705	(B,115,62)		RS1/16SS183J
R 706	(B,121,60)		RS1/16SS101J
R 707	(B,115,57)		RS1/16SS101J
R 708	(B,116,59)		RS1/16SS221J
R 721	(B,105,26)		RS1/16SS101J
R 722	(B,105,27)		RS1/16SS101J
R 723	(A,103,29)		RS1/16SS473J
R 724	(A,110,23)		RS1/16SS473J
R 725	(A,106,23)		RS1/16SS473J
R 726	(B,109,27)		RS1/16SS0R0J
R 727	(B,108,27)		RS1/16SS101J
R 741	(A,94,36)		RAB4CQ330J
R 742	(A,94,41)		RAB4CQ330J
R 746	(A,114,37)		RAB4CQ330J
R 747	(A,115,41)		RAB4CQ330J
R 803	(B,127,37)		RS1/16SS0R0J
R 804	(B,126,36)		RS1/16SS0R0J
R 805	(B,125,34)		RS1/16SS0R0J
R 806	(B,125,32)		RS1/16SS0R0J
R 807	(B,126,31)		RS1/16SS0R0J
R 808	(B,125,28)		RS1/16SS0R0J
R 809	(A,126,30)		RS1/16SS0R0J
R 810	(A,125,31)		RS1/16SS0R0J
R 811	(A,124,25)		RS1/16SS0R0J
R 812	(A,123,23)		RS1/16SS0R0J
R 813	(A,120,29)		RS1/16SS0R0J
R 814	(A,119,29)		RS1/16SS0R0J
R 901	(A,140,52)		RS1/10SR0R0J
R 911	(A,44,72)		RS1/16SS103J
R 913	(A,44,73)		RS1/16SS473J
R 914	(A,44,80)		RS1/16SS472J
R 915	(A,46,72)		RS1/16SS104J
R 916	(A,46,73)		RS1/16SS473J
R 917	(A,41,81)		RS1/4SA102J
R 920	(B,44,63)		RS1/16SS103J
R 921	(B,46,65)		RS1/16SS472J
R 922	(B,44,66)		RS1/4SA102J
R 930	(B,52,84)		RS1/16SS473J
R 931	(B,52,86)		RS1/16SS104J
R 932	(B,55,84)		RS1/16SS472J
R 933	(B,52,89)		RS1/4SA102J
R 950	(B,35,72)		RS1/16SS102J
R 951	(B,36,74)		RS1/16SS473J
R 952	(B,34,77)		RS1/16SS223J
R 953	(B,34,80)		RS1/16SS103J
R 1114	(B,137,89)		RS1/10SR101J
R 1115	(B,135,89)		RS1/10SR101J
R 1117	(B,128,89)		RS1/10SR101J
R 1118	(B,126,89)		RS1/10SR101J
R 1131	(A,125,75)		RS1/16SS0R0J
R 1132	(A,124,63)		RS1/16SS0R0J

Circuit Symbol and No.		Part No.
R 1133	(A,130,75)	RS1/16SS0R0J
R 1134	(A,118,67)	RS1/16SS563J
R 1135	(A,118,68)	RS1/16SS563J
R 1136	(A,128,65)	RS1/16SS473J
R 1139	(A,124,75)	RS1/16SS0R0J
R 1140	(A,116,67)	RS1/16SS564J
R 1141	(A,121,56)	RS1/16SS3000D
R 1142	(A,116,68)	RS1/16SS564J
R 1201	(B,94,78)	RS1/16SS221J
R 1202	(B,94,79)	RS1/16SS221J
R 1203	(B,94,80)	RS1/16SS221J
R 1205	(B,15,75)	RS1/10SR0R0J
R 1251	(A,91,62)	RS1/16SS471J
R 1252	(A,87,66)	RS1/16SS103J
R 1253	(A,91,66)	RS1/16SS682J
R 1254	(B,104,59)	RS1/16SS113J
R 1255	(B,104,60)	RS1/16SS102J
R 1256	(B,106,60)	RS1/16SS183J
R 1257	(B,107,64)	RS1/16SS113J
R 1258	(B,105,62)	RS1/16SS102J
R 1259	(B,105,63)	RS1/16SS183J
R 1260	(B,95,59)	RS1/16SS102J
R 1261	(B,94,61)	RS1/16SS102J
R 1262	(B,93,59)	RS1/16SS183J
R 1263	(B,94,62)	RS1/16SS183J
R 1264	(B,95,58)	RS1/16SS113J
R 1265	(B,92,62)	RS1/16SS113J
R 1266	(B,83,61)	RS1/16SS113J
R 1267	(B,81,61)	RS1/16SS102J
R 1268	(B,80,60)	RS1/16SS183J
R 1269	(B,83,63)	RS1/16SS113J
R 1270	(B,81,63)	RS1/16SS102J
R 1271	(B,81,64)	RS1/16SS183J
R 1272	(B,71,61)	RS1/16SS102J
R 1273	(B,71,62)	RS1/16SS102J
R 1274	(B,71,60)	RS1/16SS183J
R 1275	(B,71,63)	RS1/16SS183J
R 1276	(B,70,60)	RS1/16SS113J
R 1277	(B,70,64)	RS1/16SS113J
R 1302	(A,64,81)	RS1/16SS103J
R 1303	(A,69,84)	RS1/16SS104J
R 1304	(A,69,83)	RS1/16SS473J
R 1305	(B,66,86)	RS1/16SS102J
R 1307	(B,33,90)	RS1/16SS473J
R 1308	(B,34,90)	RS1/16SS102J
R 1309	(B,75,83)	RS1/16SS683J
R 1310	(B,75,87)	RS1/16SS683J
R 1311	(B,75,85)	RS1/16SS152J
R 1312	(A,37,47)	RS1/16SS103J
R 1313	(B,76,84)	RS1/16SS101J
R 1314	(B,42,47)	RS1/16SS0R0J
R 2201	(A,35,94)	RS1/10SR0R0J
R 2202	(A,22,74)	RS1/16SS101J
R 2203	(A,11,98)	RS1/16SS105J
R 2204	(A,11,97)	RS1/16SS105J
R 2205	(A,11,89)	RS1/16SS391J
R 2211	(A,25,77)	RS1/16SS103J
R 2212	(A,24,77)	RS1/16SS103J
R 2216	(A,21,74)	RS1/16SS101J
R 2220	(A,22,71)	RS1/16SS472J

Circuit Symbol and No.		Part No.
R 2221	(A,21,71)	RS1/16SS472J
R 2222	(B,30,65)	RS1/10SR0R0J
R 2225	(B,18,75)	RS1/10SR0R0J
R 2401	(B,156,84)	RS1/16SS152J
R 2402	(A,163,90)	RS1/10SR471J
R 2403	(B,156,85)	RS1/16SS3302D
R 2404	(B,154,85)	RS1/16SS0R0J
R 2405	(B,152,84)	RS1/16SS0R0J
R 2406	(B,151,84)	RS1/16SS8201D
R 2407	(A,163,92)	RS1/10SR471J
R 2408	(A,163,87)	RS1/10SR471J
R 2409	(A,163,89)	RS1/10SR471J
R 2410	(B,152,83)	RS1/16SS102J
R 2411	(B,153,78)	RS1/16SS0R0J
R 2412	(A,157,76)	ACN7160
R 2413	(B,161,84)	RS1/16SS204J
R 2415	(B,163,84)	RS1/16SS394J
R 2417	(B,165,82)	RS1/16SS224J
R 2418	(B,167,79)	RS1/16SS4702D
R 2419	(B,165,80)	RS1/16SS104J
R 2901	(B,46,20)	RS1/16SS102J
R 2904	(A,44,23)	RS1/16SS102J
R 2906	(A,38,17)	RS1/16SS101J
R 2908	(B,28,25)	RS1/16SS0R0J
R 2909	(B,29,24)	RS1/16SS0R0J
R 2910	(A,49,6)	RS1/16SS102J
R 2911	(A,49,7)	RS1/16SS102J
R 2912	(B,27,20)	RS1/16SS222J
R 2913	(B,31,22)	RS1/16SS222J
R 2914	(B,32,20)	RS1/16SS0R0J
R 3102	(B,96,65)	RS1/10SR331J
R 3103	(B,130,89)	RS1/10SR101J
R 3104	(B,133,89)	RS1/10SR101J
R 3106	(B,131,87)	RS1/16SS223J
R 3107	(B,133,87)	RS1/16SS223J
R 3108	(B,128,94)	RS1/16SS750J
R 3127	(A,36,56)	RS1/16SS1001D
R 3128	(A,34,56)	RS1/16SS1001D
R 3129	(A,30,58) (B,C)	RS1/16SS6800D
R 3130	(A,26,54) (B,C)	RS1/16SS6800D
R 3132	(A,30,54) (B,C)	RS1/16SS8201D
R 3133	(A,33,56) (B,C)	RS1/16SS8201D
R 3151	(A,122,72)	RS1/16SS75R0D
R 3152	(B,140,91)	RS1/16SS750J
R 3161	(B,106,80)	RS1/16SS821J
R 3162	(B,107,82)	RS1/16SS223J
R 3164	(B,110,82)	RS1/16SS223J
R 3166	(B,111,80)	RS1/16SS821J
R 3167	(B,99,80)	RS1/16SS821J
R 3168	(B,100,82)	RS1/16SS223J
R 3171	(B,103,82)	RS1/16SS223J
R 3172	(B,104,80)	RS1/16SS821J

CAPACITORS

C 114	(A,54,73)	CEAT471M16
C 115	(B,51,65)	CKSRYB104K50
C 117	(B,54,60) 47 uF	CCG1251
C 121	(A,75,82)	CCG1393
C 123	(A,69,80) 4.7 uF	CCG1201

Circuit Symbol and No.		Part No.
C 151	(B,62,39)	CKSRYB105K10
C 155	(B,67,46) 4.7 uF	CCG1201
C 157	(B,67,36) 4.7 uF	CCG1201
C 160	(A,99,26) 10 uF	CCG1244
C 165	(B,75,40) 1 uF	DCH1246
C 167	(B,75,33) 1 uF	DCH1246
C 168	(B,71,38)	CKSSYB104K10
C 201	(A,74,26)	CKSSYB104K10
C 203	(A,69,30) 1 uF	DCH1246
C 205	(A,71,21) 1 uF	DCH1246
C 211	(B,34,63)	CKSRYB474K10
C 212	(B,34,70)	CKSRYB474K10
C 233	(B,135,76)	CKSSYB104K10
C 234	(B,135,71)	CKSSYB104K10
C 237	(B,40,28)	CKSRYB474K10
C 238	(B,40,22)	CKSRYB474K10
C 241	(B,52,27) 1 uF	DCH1246
C 242	(B,52,24) 1 uF	DCH1246
C 243	(B,44,26)	CKSSYB104K10
C 301	(A,155,10)	CKSSYB102K50
C 302	(A,155,9)	CKSSYB104K10
C 303	(A,156,14) 10 uF	CCG1192
C 304	(A,156,12) 10 uF	CCG1192
C 305	(A,155,17) 47 uF	CCG1233
C 308	(B,152,49)	CKSRYB102K50
C 309	(B,158,39)	CCSSCH561J50
C 311	(B,159,52) 10 uF	CCG1236
C 312	(B,153,35)	CKSSYB104K10
C 313	(B,157,52) 10 uF	CCG1236
C 314	(B,160,41)	CKSSYB472K25
C 315	(B,161,52) 10 uF	CCG1236
C 316	(B,158,41)	CCSSCH8R0D50
C 317	(B,160,42)	CKSSYB104K16
C 318	(B,146,43)	CKSSYB104K16
C 319	(B,146,41)	CCSSCH8R0D50
C 320	(B,145,42)	CKSSYB103K16
C 321	(B,151,35)	CKSSYB104K10
C 322	(B,146,39)	CKSRYB105K10
C 323	(B,145,39)	CKSSYB471K50
C 326	(A,147,17) 47 uF	CCG1233
C 327	(A,147,14) 10 uF	CCG1192
C 328	(A,147,12) 10 uF	CCG1192
C 329	(A,148,10)	CKSSYB104K10
C 330	(A,148,9)	CKSSYB102K50
C 331	(A,59,13) 10 uF	CCG1192
C 332	(A,165,32) 10 uF	CCG1192
C 401	(B,49,63)	CKSSYB104K10
C 402	(A,35,56) (B,C)	CKSSYB104K10
C 403	(B,46,58) (B,C)	CKSSYB104K10
C 405	(A,36,42)	CKSSYB104K10
C 406	(A,56,33)	CKSSYB104K10
C 407	(A,62,46)	CKSSYB104K10
C 408	(A,44,58)	CKSSYB104K10
C 409	(A,40,59)	CKSSYB104K10
C 410	(A,31,48)	CCSSCH8R0D50
C 411	(A,33,44)	CCSSCH100D50
C 413	(A,33,41)	CKSSYB104K10
C 415	(A,35,40)	CKSSYB104K10
C 420	(A,49,60)	CKSSYB104K10

Circuit Symbol and No.		Part No.
C 424	(A,57,30)	CKSRYB103K50
C 426	(A,35,38)	CKSSYB104K10
C 427	(B,64,62)	CKSRYB104K16
C 428	(A,35,52)	CKSSYB102K50
C 501	(A,13,43)	CKSSYB473K16
C 502	(A,25,43)	CKSSYB104K10
C 503	(A,19,44)	CKSSYB102K50
C 504	(A,21,37)	CKSSYB102K50
C 505	(A,13,38)	CKSSYB473K16
C 601	(B,104,33)	CKSSYB104K10
C 602	(B,103,33)	CKSSYB104K10
C 603	(A,105,32)	CKSSYB103K16
C 604	(B,99,36)	CKSSYB104K10
C 605	(B,98,36)	CKSSYB104K10
C 607	(B,103,47)	CKSSYB104K10
C 608	(B,102,47)	CKSSYB104K10
C 609	(B,121,55)	CKSSYB104K10
C 610	(B,119,54) 10 uF	CCG1192
C 611	(B,121,53)	CKSSYB104K10
C 612	(B,122,53)	CKSSYB104K10
C 613	(A,121,55)	CCSSCH180J50
C 614	(A,121,50)	CCSSCH150J50
C 615	(A,83,21)	CCSSCH101J50
C 616	(A,100,30)	CKSSYB104K10
C 617	(A,86,21)	CCSSCH101J50
C 619	(A,90,22)	CCSSCH101J50
C 621	(A,122,53)	CCSSCH150J50
C 622	(A,83,23)	CCSSCH150J50
C 623	(A,86,22)	CCSSCH150J50
C 624	(A,89,24)	CCSSCH150J50
C 625	(B,125,49)	CKSRYB105K10
C 626	(B,124,47)	CKSSYB104K10
C 627	(B,125,46)	CKSSYB104K10
C 628	(A,119,39)	CKSSYB104K10
C 629	(A,119,40)	CKSSYB104K10
C 630	(A,121,41)	CKSSYB104K10
C 631	(B,128,39)	CCSSCH120J50
C 632	(B,134,39)	CCSSCH120J50
C 633	(A,121,39)	CKSSYB104K10
C 634	(A,118,38)	CKSSYB104K10
C 635	(A,122,34)	CKSSYB103K16
C 636	(A,122,33)	CKSSYB103K16
C 637	(A,122,32)	CKSSYB104K10
C 653	(B,129,52) 4.7 uF	CCG1201
C 654	(B,126,53) 4.7 uF	CCG1201
C 655	(A,83,26)	CCSSCH220J50
C 656	(A,86,24)	CCSSCH220J50
C 657	(A,90,27)	CCSSCH220J50
C 658	(A,105,5)	CKSSYB102K50
C 659	(A,111,5)	CKSSYB102K50
C 701	(B,116,62)	CKSSYB104K10
C 702	(B,116,61)	CKSSYB102K50
C 721	(A,103,25)	CKSSYB104K10
C 741	(A,97,37)	CKSSYB104K10
C 742	(A,97,42)	CKSSYB104K10
C 743	(A,108,31)	CKSSYB104K10
C 744	(A,109,32)	CKSSYB104K10
C 745	(A,113,40)	CKSSYB104K10
C 746	(A,113,44)	CKSSYB104K10
C 747	(A,112,56)	CKSSYB104K10

Circuit Symbol and No.			Part No.	Circuit Symbol and No.			Part No.
C 861	(A,101,20)		CEVW101M16	C 1266	(B,89,63)	10 uF	CCG1192
C 902	(B,154,52)	10 uF	CCG1236	C 1267	(B,98,59)	10 uF	CCG1192
C 903	(A,159,61)	2 200 uF/16 V	CCH1405	C 1269	(B,80,61)		CCSSCH221J50
C 920	(B,42,64)		CKSRYB105K16	C 1270	(B,80,63)		CCSSCH221J50
C 930	(B,55,83)		CKSSYB102K50	C 1271	(B,85,63)	10 uF	CCG1192
C 940	(A,41,85)		CKSRYB103K50	C 1272	(B,82,61)		CKSSYB122K50
C 1111	(A,132,75)		CKSSYB104K10	C 1273	(B,85,61)	10 uF	CCG1192
C 1112	(A,122,62)		CKSSYB104K10	C 1274	(B,73,61)		CCSSCH221J50
C 1113	(A,126,75)		CKSSYB104K10	C 1275	(B,73,63)		CCSSCH221J50
C 1114	(A,134,76)	10 uF	CCG1192	C 1276	(B,70,62)		CKSSYB122K50
C 1115	(A,120,63)	10 uF	CCG1192	C 1277	(B,68,63)	10 uF	CCG1192
C 1116	(A,127,73)	10 uF	CCG1192	C 1278	(B,68,60)	10 uF	CCG1192
C 1117	(A,125,82)	4.7 uF	CCG1201	C 1305	(A,65,76)	10 uF	CCG1192
C 1118	(A,125,57)	4.7 uF	CCG1201	C 1306	(A,65,67)		CEVW101M16
C 1119	(A,130,82)	4.7 uF	CCG1201	C 1307	(B,76,86)	4.7 uF	CCG1201
C 1120	(A,127,82)	4.7 uF	CCG1201	C 1309	(A,86,104)		CKSRYB474K10
C 1121	(A,121,57)	4.7 uF	CCG1201	C 1310	(A,83,104)		CKSRYB474K10
C 1122	(A,132,82)	4.7 uF	CCG1201	C 1311	(A,91,104)		CKSRYB474K10
C 1131	(A,116,71)		CKSSYB104K10	C 1312	(A,88,104)		CKSRYB474K10
C 1132	(A,118,71)	10 uF	CCG1192	C 1313	(B,78,107)		CKSSYB104K16
C 1133	(A,116,66)		CKSSYB104K10	C 1314	(B,76,106)	10 uF/16 V	DCH1263
C 1134	(A,116,69)	1 uF	DCH1246	C 1315	(B,97,106)	2.2 uF	CCG1218
C 1135	(A,124,65)		CKSSYB104K10	C 1319	(A,69,95)		XCEHAT332M16
C 1136	(A,125,73)		CKSSYB104K10	C 1320	(B,73,105)		CKSRYB104K50
C 1137	(A,134,73)		CKSSYB104K10	C 2202	(A,13,97)		CKSSYB471K50
C 1138	(A,136,72)	10 uF	CCG1192	C 2203	(A,17,97)		CCSSCH820J50
C 1139	(A,130,74)		CKSSYB104K10	C 2204	(A,20,97)		CCSSCH220J50
C 1140	(A,129,72)		CKSSYB104K10	C 2209	(A,20,99)		CCSSCH100D50
C 1201	(B,80,71)		CKSRYB105K10	C 2211	(A,13,86)		CKSSYB102K50
C 1202	(B,96,72)		CKSRYB105K10	C 2213	(A,18,84)		CKSSYB102K50
C 1203	(B,96,71)		CKSRYB105K10	C 2217	(A,21,82)		CKSSYB104K10
C 1204	(B,96,69)		CKSRYB105K10	C 2218	(A,20,82)		CKSSYB224K6R3
C 1205	(B,96,66)		CKSRYB105K10	C 2219	(A,15,84)		CKSSYB104K10
C 1206	(B,94,65)		CKSRYB105K10	C 2223	(A,13,79)		CKSSYB152K50
C 1207	(B,80,65)		CKSRYB105K10	C 2226	(B,30,78)		CKSRYB105K10
C 1208	(B,80,68)		CKSRYB105K10	C 2227	(A,18,74)		CKSSYB104K10
C 1209	(B,80,69)		CKSRYB105K10	C 2228	(A,22,80)		CCSSCH390J50
C 1210	(A,101,61)		CKSSYB104K10	C 2229	(A,33,66)		CKSRYB104K16
C 1211	(A,89,61)		CKSSYB104K10	C 2230	(A,165,4)		CKSRYB102K50
C 1212	(A,75,62)		CKSSYB104K10	C 2231	(A,150,97)		CKSRYB104K16
C 1215	(B,80,77)	10 uF	CCG1192	C 2401	(A,151,85)		CEVW101M16
C 1216	(B,82,78)		CKSSYB104K16	C 2402	(A,153,78)	10 uF	CCG1236
C 1219	(B,88,83)	10 uF	CCG1192	C 2403	(B,154,84)		CKSSYB222K50
C 1220	(B,86,83)	10 uF	CCG1192	C 2405	(B,153,82)		CCSSCH270J50
C 1222	(B,80,72)		CKSRYB105K10	C 2406	(B,152,82)		CKSSYB472K50
C 1224	(B,96,74)		CKSRYB105K10	C 2407	(A,165,83)		CEVW101M16
C 1226	(B,80,66)		CKSRYB105K10	C 2408	(A,158,79)		CKSSYB104K16
C 1227	(B,96,68)		CKSRYB105K10	C 2409	(B,153,80)		CKSRYB104K50
C 1252	(B,71,70)	10 uF	CCG1192	C 2410	(A,156,79)	22 uF	DCH1256
C 1253	(A,91,61)		CKSSYB104K10	C 2411	(B,162,85)		CKSRYB105K10
C 1256	(A,93,71)		CEVW101M16	C 2413	(B,164,76)		CKSSYB104K16
C 1257	(A,88,66)	10 uF	CCG1192	C 2414	(B,165,78)		CKSSYB104K16
C 1258	(B,104,61)		CCSSCH221J50	C 2415	(B,165,81)		CKSSYB102K50
C 1259	(B,104,62)		CCSSCH221J50	C 2416	(B,165,83)		CKSSYB472K25
C 1260	(B,104,64)	10 uF	CCG1192	C 2902	(A,42,20)	4.7 uF	CCG1201
C 1261	(B,107,62)		CKSSYB122K50	C 2904	(A,48,20)	4.7 uF	CCG1201
C 1262	(B,101,59)	10 uF	CCG1192	C 2905	(A,44,20)		CKSSYB104K10
C 1263	(B,95,60)		CCSSCH221J50	C 2906	(A,44,22)		CKSSYB104K10
C 1264	(B,96,62)		CCSSCH221J50	C 2907	(A,23,23)		CEVW221M4
C 1265	(B,93,61)		CKSSYB122K50	C 2909	(B,28,21)		CKSRYB105K10

Circuit Symbol and No.		Part No.
C 3101	(B,127,99)	CKSRYB104K16
C 3102	(B,134,95)	CKSRYB104K16
C 3123	(B,27,27)	CKSSYB102K50
C 3124	(B,30,27)	CKSSYB102K50
C 3125	(A,34,59) (B,C)	CKSSYB104K10
C 3126	(B,30,105)	CKSRYB104K16
C 3151	(A,117,77)	CEVW471M10
C 3152	(B,147,94)	CKSRYB102K50
C 3153	(B,139,92)	CKSRYB104K16
C 3161	(B,106,77) 4.7 uF	CCG1201
C 3164	(B,111,77) 4.7 uF	CCG1201
C 3165	(B,99,77) 4.7 uF	CCG1201
C 3169	(B,104,77) 4.7 uF	CCG1201
C 3170	(B,123,99)	CKSRYB104K16
C 3171	(B,122,96)	CKSRYB104K16
C 3191	(A,163,93)	CKSRYB104K16
C 3192	(A,80,29)	CKSRYB102K50
C 3193	(A,87,29)	CKSRYB102K50
C 3201	(A,81,20)	CKSSYB104K10
C 3202	(A,77,20)	CKSSYB104K10
C 3203	(A,65,18)	CKSSYB104K10
C 3204	(A,89,19) 10 uF	CCG1234

Monitor Key Unit
Consists of
Monitor PCB
Key PCB

B C

Unit Number : QWM4237(A)
Unit Number : QWM4238(B,C)
Unit Name : Monitor Key Unit

MISCELLANEOUS

IC 5001	(A,64,66)	Regulator IC	MM3571A18P
IC 5101	(A,136,55)	Display IC	OZ527ILN
IC 5201	(A,32,64)	DC/DC Converter IC	R1290K103A
IC 5401	(A,69,57)	Flash ROM Unit	CWJ2741
IC 5402	(A,71,38)	Display IC	TW8832SAT-LB1-GRSH
IC 5601	(A,7,93)	IR RC Rec Module	PNJ4833M
Q 5001	(A,105,47)	Bipolar Transistor	LSCR523UB
Q 5201	(A,37,71)	Resistor Built-IN TR	LTC024EEB
Q 5202	(A,25,66)	Transistor	2SAR502UB
Q 5301	(A,26,50)	Bipolar Transistor	LSAR523UB
Q 5302	(A,29,46)	Bipolar Transistor	LSCR523UB
D 5101	(A,115,65)	Rectifier Diode	RR264MM-400TF
D 5102	(A,134,62)	Diode	RB060M-30
D 5103	(A,115,60)	Rectifier Diode	RR264MM-400TF
D 5201	(A,28,57)	Schottky Diode	DB2J41100
D 5202	(B,26,73)	Schottky Diode	DB3S308F0
D 5203	(B,29,73)	Schottky Diode	DB3S308F0
D 5204	(B,24,69)	Schottky Diode	DB3S308F0
D 5601	(A,4,45)	Red LED(A)	FM-3528SXK620H08
D 5601	(A,4,45)	Blue LED(B,C)	FM-3528BK-470M
L 5101	(A,130,63)	Inductor	ATH7068
L 5201	(A,27,61)	Choke Coil 22 uH	CTH1426
L 5301	(A,35,53)	Inductor	CTF1765
L 5402	(B,73,36)	Inductor	CTF1547
L 5403	(B,64,39)	Inductor	CTF1547
L 5404	(B,73,37)	Inductor	CTF1547
L 5405	(A,71,69)	Inductor	CTF1547
TH5001	(A,109,13)	Thermistor	CCX1084
X 5401	(A,68,50)	Resonator 27.000 MHz	CSS1768
S 5601	(A,14,94)	Push Switch	CSG1155
S 5603	(A,10,52)	Push Switch	CSG1155
S 5604	(A,10,78)	Push Switch	CSG1155
S 5605	(A,10,70)	Push Switch	CSG1155
S 5606	(A,10,21)	Push Switch	CSG1155
S 5607	(A,10,13)	Push Switch	CSG1155
S 5608	(A,10,39)	Push Switch	CSG1155
S 5609	(A,13,45)	Push Switch	CSG1155
CN5001	(A,120,13)	FFC/FPC Connector	CKS6625
CN5002	(A,138,19)	Connector	CKS4428
CN5003	(A,96,65)	FFC/FPC Connector	CKS6672
CN5004	(A,120,38)	Connector	CKS6063
CN5301	(A,37,37)	FFC/FPC Connector	CKS6672
CN5601	(B,13,43)	Connector	CKS6063

RESISTORS

R 5001	(B,113,49)	RS1/16SS101J
R 5002	(A,125,20)	RS1/16SS0R0J
R 5003	(A,121,20)	RS1/16SS0R0J
R 5004	(A,120,20)	RS1/16SS0R0J
R 5005	(A,116,20)	RS1/16SS0R0J
R 5006	(A,104,50)	RS1/16SS221J
R 5009	(A,105,50)	RS1/16SS472J
R 5017	(A,90,71)	RS1/16SS0R0J
R 5018	(B,97,35)	RS1/16SS0R0J
R 5019	(A,90,72)	RS1/16SS0R0J
R 5102	(B,137,61)	RS1/16SS102J
R 5103	(A,130,55)	RS1/16SS0R0J
R 5104	(B,137,58)	RS1/16SS104J
R 5105	(B,133,54)	RS1/16SS104J
R 5106	(B,130,58)	RS1/16SS102J
R 5107	(A,132,52)	RS1/16SS223J
R 5108	(A,133,50)	RS1/16SS563J
R 5109	(A,137,50)	RS1/16SS104J
R 5110	(A,138,50)	RS1/16SS0R0J
R 5111	(A,140,59)	RS1/16SS102J
R 5112	(A,140,58)	RS1/16SS2702D
R 5113	(A,142,58)	RS1/16SS3901D
R 5118	(B,139,61)	RS1/16SS1004D
R 5119	(B,139,60)	RS1/16SS0R0J
R 5120	(B,140,59)	RS1/16SS1503D
R 5122	(A,133,58)	RS1/8SQ2R2J
R 5201	(A,35,70)	RS1/16SS8201D
R 5202	(A,35,68)	RS1/16SS6800D
R 5203	(A,36,69)	RS1/16SS1502D
R 5205	(A,37,58)	RS1/16SS0R0J
R 5206	(B,26,65)	RS1/16SS9102D
R 5207	(B,34,68)	RS1/16SS1802D
R 5208	(B,35,66)	RS1/16SS203J
R 5209	(B,36,63)	RS1/16SS104J
R 5210	(A,27,64)	RS1/16SS103J
R 5211	(A,38,66)	RS1/16SS472J
R 5212	(B,31,68)	RS1/16SS1003D

Circuit Symbol and No.		Part No.
R 5213	(B,32,69)	RS1/16SS9101D
R 5214	(A,26,57)	RS1/10SR2R2J
R 5216	(A,37,60)	RS1/16SS1203D
R 5217	(A,37,62)	RS1/16SS3001D
R 5218	(A,39,62)	RS1/16SS1502D
R 5219	(A,36,60)	RS1/16SS472J
R 5220	(A,33,58)	RS1/16SS0R0J
R 5301	(A,20,50)	RS1/8SQ0R0J
R 5302	(A,13,48)	RS1/16SS3R9J
R 5303	(A,15,48)	RS1/16SS270J
R 5304	(A,15,46)	RS1/16SS221J
R 5305	(A,16,45)	RS1/16SS750J
R 5306	(A,15,44)	RS1/16SS560J
R 5307	(A,16,43)	RS1/16SS0R0J
R 5308	(A,15,42)	RS1/16SS510J
R 5309	(A,16,42)	RS1/16SS0R0J
R 5310	(A,15,41)	RS1/16SS151J
R 5311	(A,16,40)	RS1/16SS270J
R 5312	(A,15,39)	RS1/16SS131J
R 5313	(A,16,38)	RS1/16SS131J
R 5314	(A,15,37)	RS1/16SS151J
R 5315	(A,16,36)	RS1/16SS240J
R 5316	(A,15,35)	RS1/16SS330J
R 5317	(A,16,34)	RS1/16SS270J
R 5318	(A,15,33)	RS1/16SS510J
R 5319	(A,16,33)	RS1/16SS220J
R 5320	(A,15,32)	RS1/16SS151J
R 5321	(A,16,31)	RS1/16SS151J
R 5322	(A,15,30)	RS1/16SS330J
R 5323	(A,13,29)	RS1/16SS1R0J
R 5324	(B,31,40)	RS1/16SS473J
R 5325	(B,38,36)	RS1/16SS473J
R 5327	(B,55,44)	RS1/10SR0R0J
R 5328	(A,22,50)	RS1/8SQ0R0J
R 5329	(A,30,51)	RS1/16SS153J
R 5331	(A,27,52)	RS1/16SS105J
R 5333	(A,28,49)	RS1/16SS153J
R 5334	(A,27,45)	RS1/16SS472J
R 5335	(A,28,43)	RS1/16SS101J
R 5337	(A,32,52)	RS1/8SQ0R0J
R 5338	(A,29,48)	RS1/16SS273J
R 5339	(A,26,48)	RS1/16SS474J
R 5340	(A,39,43)	RS1/16SS0R0J
R 5341	(A,41,44)	RS1/16SS0R0J
R 5342	(B,33,36)	RS1/16SS473J
R 5343	(B,37,36)	RS1/16SS473J
R 5344	(B,36,36)	RS1/16SS473J
R 5345	(B,35,40)	RS1/16SS473J
R 5346	(A,55,43)	RS1/10SR0R0J
R 5401	(B,76,49)	RS1/16SS472J
R 5402	(B,77,49)	RS1/16SS472J
R 5403	(A,60,40)	RAB4CQ221J
R 5405	(B,61,41)	RS1/16SS470J
R 5407	(A,75,58)	RS1/16SS473J
R 5408	(A,78,47)	RS1/16SS104J
R 5409	(A,74,50)	RS1/16SS330J
R 5410	(A,74,48)	RS1/16SS330J
R 5411	(A,73,50)	RS1/16SS330J
R 5412	(A,72,48)	RS1/16SS330J
R 5413	(B,69,59)	RS1/16SS473J

Circuit Symbol and No.		Part No.
R 5414	(A,64,57)	RS1/16SS473J
R 5415	(A,74,54)	RS1/16SS473J
R 5416	(B,66,57)	RS1/16SS473J
R 5417	(A,75,48)	RS1/16SS330J
R 5418	(A,66,45)	RS1/16SS330J
R 5419	(A,71,48)	RS1/16SS330J
R 5420	(A,78,50)	RS1/16SS101J
R 5421	(A,77,48)	RS1/16SS0R0J
R 5422	(A,76,50)	RS1/16SS0R0J
R 5423	(A,67,47)	RS1/16SS152J
R 5424	(A,68,47)	RS1/16SS105J
R 5425	(A,60,37)	RAB4CQ221J
R 5426	(A,60,34)	RAB4CQ221J
R 5427	(A,65,29)	RAB4CQ221J
R 5428	(A,69,28)	RAB4CQ221J
R 5429	(A,72,28)	RAB4CQ221J
R 5430	(B,83,36)	RS1/16SS3000D
R 5431	(B,83,37)	RS1/16SS3000D
R 5432	(A,86,36)	RS1/16SS0R0J
R 5433	(A,86,37)	RS1/16SS0R0J
R 5434	(B,83,34)	RS1/16SS151J
R 5435	(B,83,35)	RS1/16SS3000D
R 5436	(A,86,34)	RS1/16SS151J
R 5437	(A,86,35)	RS1/16SS0R0J
R 5501	(A,86,33)	RS1/16SS0R0J
R 5518	(A,88,47)	RS1/16SS0R0J
R 5519	(A,91,47)	RS1/16SS0R0J
R 5520	(A,93,47)	RS1/16SS0R0J
R 5522	(A,96,47)	RS1/16SS0R0J
R 5601	(B,6,78)	RS1/16SS101J
R 5602	(B,11,78)	RS1/16SS470J
R 5603	(A,14,41)	RS1/16SS392J
R 5604	(A,14,25)	RS1/16SS472J
R 5605	(A,14,23)	RS1/16SS123J
R 5606	(A,14,78)	RS1/16SS182J
R 5607	(A,14,80)	RS1/16SS222J

CAPACITORS

C 5008	(A,111,13)		CKSSYB104K10
C 5010	(A,63,62)		CKSSYB474K6R3
C 5011	(A,63,69)		CKSSYB474K6R3
C 5012	(A,112,42)		CKSSYB104K10
C 5101	(A,135,65)		CKSSYB102K50
C 5105	(A,115,55)	10 uF	CCG1236
C 5106	(A,132,53)		CKSRYB105K16
C 5107	(A,131,56)		CKSRYB105K16
C 5108	(A,125,61)		CKSRYB104K16
C 5109	(A,134,50)		CKSRYB105K16
C 5110	(A,136,50)		CCSSCH101J50
C 5112	(A,139,62)	10 uF	CCG1236
C 5114	(A,142,59)		CKSRYB224K16
C 5118	(A,130,59)		CKSSYB332K50
C 5201	(A,39,67)		CKSSYB224K6R3
C 5203	(A,40,70)		CKSRYB105K10
C 5204	(A,39,68)		CKSSYB224K6R3
C 5205	(A,32,70)		CKSRYB224K16
C 5206	(A,26,56)		CKSSYB472K50
C 5207	(A,33,60)		CKSSYB102K50
C 5208	(B,22,70)		CKSRYB105K16

Circuit Symbol and No.			Part No.
C 5209	(B,35,60)		CKSRYB105K10
C 5210	(B,32,73)	1 uF	CCG1383
C 5212	(B,31,71)	1 uF	CCG1383
C 5213	(B,26,67)		CKSRYB104K50
C 5214	(B,26,71)		CKSRYB104K50
C 5215	(B,28,71)		CKSRYB104K50
C 5217	(A,29,70)	4.7 uF	CCG1291
C 5218	(A,38,64)		CKSRYB103K50
C 5219	(A,24,59)	4.7 uF	CCG1212
C 5220	(A,34,70)		CCSSCH101J50
C 5221	(B,31,69)		CKSSYB561K50
C 5222	(A,30,57)	4.7 uF	CCG1291
C 5224	(A,36,62)		CKSSYB152K50
C 5225	(B,35,58)		CKSRYB105K16
C 5226	(A,35,57)		CKSSYB104K10
C 5303	(A,21,44)		CKSSYB104K16
C 5304	(A,19,47)	4.7 uF	CCG1201
C 5305	(A,20,52)		CKSQYB225K16
C 5306	(A,12,47)	4.7 uF	CCG1222
C 5307	(A,13,46)		CKSSYB104K16
C 5314	(A,13,39)		CKSSYB102K50
C 5315	(A,13,38)		CKSSYB104K16
C 5316	(A,13,38)		CKSSYB102K50
C 5317	(A,13,37)		CKSSYB104K16
C 5324	(A,13,30)		CKSSYB102K50
C 5325	(A,13,29)		CKSSYB104K16
C 5326	(A,34,45)		CKSSYB102K50
C 5328	(A,34,46)		CKSSYB104K16
C 5330	(A,36,51)	10 uF	CCG1236
C 5331	(A,39,55)		CKSSYB102K50
C 5333	(B,54,41)		CCSSCH101J50
C 5334	(B,53,41)		CKSSYB102K50
C 5335	(B,52,41)		CKSSYB104K10
C 5336	(B,55,41)	10 uF	CCG1192
C 5339	(A,23,46)		CKSRYB104K50
C 5340	(A,23,47)		CKSQYB334K50
C 5341	(A,23,52)		CKSRYB103K50
C 5342	(A,32,43)	1 uF	DCH1246
C 5343	(A,28,52)		CKSSYB104K10
C 5344	(A,32,47)	10 uF	CCG1236
C 5347	(A,33,42)		CKSSYB102K50
C 5349	(A,52,42)		CKSSYB102K50
C 5350	(B,36,40)		CKSRYB105K10
C 5351	(A,30,43)	10 uF	CCG1234
C 5352	(A,31,43)		CKSSYB102K50
C 5403	(B,60,41)		CCSSCH470J50
C 5404	(A,79,48)		CKSSYB102K50
C 5405	(B,67,43)		CCSSCH100D50
C 5406	(B,74,41)		CCSSCH101J50
C 5407	(A,71,62)		CKSSYB104K10
C 5409	(A,71,54)		CCSSCJ3R0C50
C 5410	(A,64,45)		CCSSCH100D50
C 5411	(B,74,36)	10 uF	CCG1244
C 5412	(B,74,38)	10 uF	CCG1244
C 5413	(B,71,39)		CKSSYB104K10
C 5414	(A,80,39)		CCSSCH101J50
C 5415	(B,72,39)	10 uF	CCG1244
C 5416	(A,72,66)		CKSSYB104K10
C 5417	(B,68,35)		CCSSCH101J50
C 5418	(A,72,67)	10 uF	CCG1244

Circuit Symbol and No.			Part No.
C 5420	(A,80,34)		CKSSYB104K10
C 5421	(A,80,35)		CKSSYB104K10
C 5422	(A,80,37)		CKSSYB104K10
C 5423	(A,80,36)		CKSSYB104K10
C 5425	(A,70,50)		CCSSCH150J50
C 5426	(A,66,50)		CCSSCH120J50
C 5427	(B,64,38)		CCSSCH101J50
C 5432	(A,80,38)		CKSSYB104K10
C 5433	(B,78,40)	10 uF	CCG1244
C 5434	(B,66,38)	10 uF	CCG1244
C 5435	(B,74,43)		CKSSYB104K10
C 5436	(B,70,36)		CKSSYB104K10
C 5437	(A,72,70)		CKSSYB104K10
C 5438	(B,65,40)		CKSSYB104K10
C 5439	(B,67,45)		CKSSYB104K10
C 5602	(B,8,94)	10 uF	CCG1192