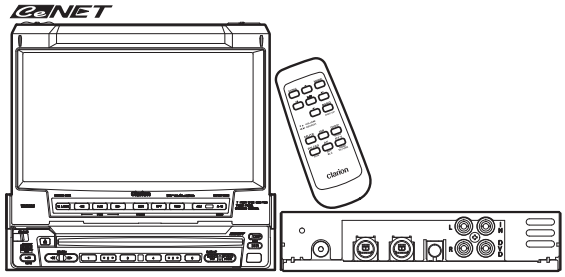
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Service Manual



AM/FM CD Player/Changer
Controller with 7" LCD

Model ***VRX835***
(QC-6800B-C:for U.S.A.)
(QC-6800K-B:for Other countries)

ORIGINAL SERVICE MANUAL

This additional service manual is designed to be used together with Model VRX815/815P.

Original model	Manual No.
VRX815/VRX815P	298-5950-00

DIFFERENCE FROM ORIGINAL SERVICE MANUAL

1. Model name(VRX835)
2. Design change(panel/buttons)
3. System control IC(Main unit)
   System control IC(Hideaway unit)

NOTES

* We cannot supply PWB with component parts in principle. When a circuit on PWB has failure , please repair it by component parts base. Parts which are not mentioned in service manual are not supplied.
* This slide mechanism is used the special adjustment jig for repair.
* Specifications and design are subject to change without notice for further improvement.

COMPONENTS

QC-6800B-C/QC-6800K-B

Main unit	----------	1
Remote control unit	RCB-155-601	1
Battery(SUM-3)	----------	2
Universal mounting bracket	300-9677-00	1
DCP case	335-6707-00	1
Antenna jumper	093-1465-00	1
Power supply lead	854-6388-50	1
Extension lead(13P to 13P)	855-3426-00	1
Outer escutcheon	940-7715-07	1
Parts bag	----------	
Electro tap	060-0018-00	1
Machine screw(M4x3)	714-4003-87	4
Machine screw(M5x8)	714-5008-41	4
Sems hex. bolt(M5x8)	716-0496-01	5
Parts bag	----------	
Hook plate	331-0488-20	2
Cord clamp	335-0833-07	1
Spacer	345-3653-20	1
Screw	716-0726-01	1
Parts bag	----------	
Mounting bracket	300-7362-20	2
Canoe clip	335-2515-00	4
Machine screw(M4x8)	714-4008-81	4
Parts bag(Use only QC-6800B)	----------	
DCP lock spacer	335-6747-00	1

To engineers in charge of repair or inspection of our products.

Before repair or inspection, make sure to follow the instructions so that customers and Engineers in charge of repair or inspection can avoid suffering any risk or injury.

1. Use specified parts.
   The system uses parts with special safety features against fire and voltage. Use only parts with equivalent characteristics when replacing them.
   The use of unspecified parts shall be regarded as remodeling for which we shall not be liable. The onus of product liability (PL) shall not be our responsibility in cases where an accident or failure is as a result of unspecified parts being used.
2. Place the parts and wiring back in their original positions after replacement or re-wiring.
   For proper circuit construction, use of insulation tubes,

pin 40: NU : - : Not in use.
pin 41: FW_ : IN : The tentative terminal.
pin 42: EEP SI : IN : EEP ROM data intput.
pin 43: EEP SCLK : O : EEP ROM clock output.
pin 44: CD ON_ : IN : CD ON signal output.
pin 45: CD C1 : O : The timing pulse output to the CD mechanism controller.
pin 46: CD RST_ : O : The reset pulse output to the CD mechanism controller.
pin 47: CD CONT : O : Unknown.
pin 48: EJECT OUT_ : O : Eject command output.
pin 49: KI 3 : IN : Key scan signal input.
pin 50: KI 2 : IN : Key scan signal input.
pin 51: KI 1 : IN : Key scan signal input.
pin 52: KI 0 : IN : Key scan signal input.
pin 53: GREEN : O : Green key illumination.
pin 54: AMBER : O : Amber key illumination.
pin 55: BLK LED : O : The blnikng LED control.
pin 56: EJECT SW_ : IN : The eject key signal input.
pin 57: BLK : O : The blank signal output.
pin 58: NV ON : O : "H"= Navigation RGB, "L"= OSD RGB.
pin 59: VIDEO_/RGB : O : Image selection signal output. "H"= RGB.
pin 60: VCC : - : Positive supply voltage.
pin 61: CD PWR ON : O : The CD power ON signal output.
pin 62: GND : - : Ground.
pin 63: MOTOR 2F : O : The motor control signal output.
pin 64: MOTOR 2R : O : The motor control signal output.
pin 65: MOTOR 1F : O : The motor control signal output.
pin 66: MOTOR 1R : O : The motor control signal output.
pin 67: MOT ON : O : Motor ON signal output.
pin 68: MT PW chg2 : O : The motor control signal output.
pin 69: MT PW chg1_ : O : The motor control signal output.
pin 70: NU : - : Not in use.
pin 71: POWER SW_ : IN : Power/Func switch pulse input.
pin 72: DCP_ : IN : DCP detect signal input.
pin 73: OSD INT0_ : IN : The vertical timing pulse input from the OSD IC.
pin 74: NU : - : Not in use.
pin 75: ROM EN_ : O : RAM data port control signal output for the OSD IC.
pin 76: OSD WR_ : O : The write strobe pulse output to the OSD IC.
pin 77: OSD RST_ : O : The reset pulse output to the OSD IC.
pin 78: OSD WAIT_ : IN : The wait signal input from the OSD IC.
pin 79: OSD CD 7 : I/O: Data input/output terminal for the OSD IC.
pin 80: OSD CD 6 : I/O: Data input/output terminal for the OSD IC.
pin 81: OSD CD 5 : I/O: Data input/output terminal for the OSD IC.
pin 82: OSD CD 4 : I/O: Data input/output terminal for the OSD IC.
pin 83: OSD CD 3 : I/O: Data input/output terminal for the OSD IC.
pin 84: OSD CD 2 : I/O: Data input/output terminal for the OSD IC.
pin 85: OSD CD 1 : I/O: Data input/output terminal for the OSD IC.
pin 86: OSD CD 0 : I/O: Data input/output terminal for the OSD IC.
pin 87: SW DET_ : IN : Switch detection.
pin 88: KO 2 : O : Key scan output terminal.
pin 89: KO 1 : O : Key scan output terminal.
pin 90: KO 0 : O : Key scan output terminal.
pin 91: IR SEL : O : Remote control signal selection. "H"= Optical input. "L"= Micro computer signal output.
pin 92: AD 2 : IN : The input terminal of the internal ADC.
pin 93: AD 1 : IN : The input terminal of the internal ADC.
pin 94: GND : - : Ground.
pin 95: EEP CE : O : The chip enable signal output to the EEP ROM.
pin 96: Vref : - : Reference voltage
pin 97: +5V : - : +5V.
pin 98: CD SUBC : IN : The CD text data input.
pin 99: NU : - : Not in use.
pin100: CD SBCK : O : The clock pulse output to read the text data of the CD.

EXPLODED VIEW / PARTS LIST

* Some parts depend on each model.
The model name is specified in the description.
(B-C):QC-6800B-C(for U.S.A.)
(K-B):QC-6800K-B(for Other countries)

Refer to the Page 10 of original model.

Main unit 1/2 section

NO.	PART NO.	DESCRIPTION	Q'TY
2	948-0627-82	SLIDE MECHANISM	1
16	286-6189-00 286-6212-00	SETPLATE(B-C) SETPLATE(K-B)	1
30	854-6385-51	EXTENSION LEAD	1
31	335-6492-04	ES-COVER(R)	1
32	335-6491-04	ES-COVER(L)	1

Refer to the Page 11 of original model.

Main unit 2/2 section

NO.	PART NO.	DESCRIPTION	Q'TY
1	940-7978-83 940-7978-84	ESCUTCHEON ASSY(B-C) ESCUTCHEON ASSY(K-B)	1
2	382-6060-02 382-6060-04	BUTTON(ADJ) (B-C) BUTTON(ADJ) (K-B)	1
3	382-6061-02 382-6061-03	BUTTON(SCN) (B-C) BUTTON(SCN) (K-B)	1
4	382-6063-01 382-6063-02	BUTTON(M.LOCK) (B-C) BUTTON(M.LOCK) (K-B)	1
9	DCP-451-600 DCP-454-800	DCP ASSY(B-C) DCP ASSY(K-B)	1
9-1	370-5933-03 370-5933-05	ESCUTCHEON(DCP) (B-C) ESCUTCHEON(DCP) (K-B)	1
9-3	382-6097-01	BUTTON(EJECT)	1
9-5	382-6099-01	BUTTON(SEARCH)	1
9-6	382-6100-02	BUTTON(1.2.3)	1
9-7	382-6101-02	BUTTON(4.5.6)	1
9-8	382-6102-01	BUTTON(BAND/TOP)	1
9-9	382-6103-01	BUTTON(FNC/POW)	1
10	370-5932-03 370-5932-05	ESCUTCHEON(B-C) ESCUTCHEON(K-B)	1

Refer to the Page 12 of original model.

Tuner amp unit section

NO.	PART NO.	DESCRIPTION	Q'TY
7	310-1649-09	UPPER CASE	1

ELECTRICAL PARTS LIST

Refer to the Page 17 of original model.

Main PWB section(B1)

REF No.	PART No.	DESCRIPTION
IC401	052-7059-30	M30624MGA-160GP

Refer to the Page 21 of original model.

Tuner PWB section(B3)

REF No.	PART No.	DESCRIPTION
IC302	052-6054-30	M30622MAA-5Y0GP

Other parts of VRX835 are the same as VRX815/815P.