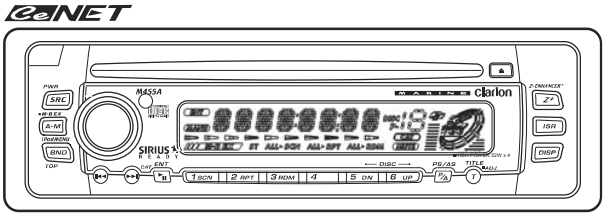
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Service Manual



Marine
AM/FM/CD Multimedia Controller

Model ***M455A***
(PE-2687B-B)
After Serial No.0037901

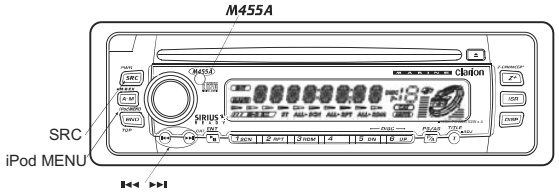
ORIGINAL SERVICE MANUAL

This additional service manual is designed to be used together with Model PE-2687B-A/M455
This manual has described only the difference point with the original service manual.

Original model	Manual No.
PE-2687B-A(M455)	298-6237-00

DIFFERENCE FROM ORIGINAL MANUAL

1.Addition IR remote control support
2.Addition fot iPod (CeNET)
3.COMPONENTS
4.EXPLANATION OF IC
5.BLOCK DIAGRAM
6.EXPLODED VIEW/PARTS LIST
7.PRINTED WIRING BOARD
8.CIRCUIT DIAGRAM



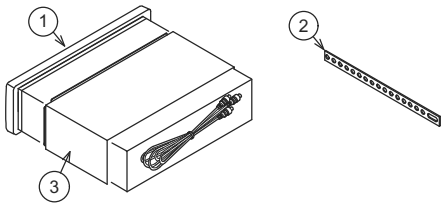
NOTES

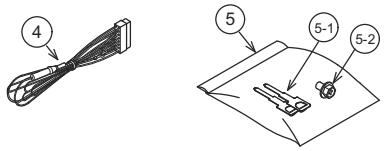
* Use only compact discs bearing the COMPACT DISC DIGITAL AUDIO mark.Do not play heart-shaped, octagonal, or other specially shaped compact discs.
  Some CDs recorded in CD-R/CD-RW mode may not be usable.
* We cannot supply PWB with component parts in principle. When a circuit on PWB has failure, please repair it by component parts base. Parts which are not mentioned in service manual are not supplied.
* Specifications and design are subject to change without notice for further improvement.
* iPod® is for legal or rightholder-authorized copying only. Don't steal music.
  iPod is a trademark of Apple Computer, Inc., registered in the U.S. and other countries.

COMPONENTS

PE-2687B-B

1.	Main unit	----------	1
2.	Strap	300-4976-00	1
3.	Mounting bracket	300-7742-00	1
4.	Extension lead	854-6440-50	1
	(15A Fuse	120-0150-00	1)
	(1A Fuse	120-0010-00	1)
5.	Parts bag	----------	1
5-1	Remaval key	331-2497-00	2
5-2	Screw(M5x5)	716-0496-51	1





Sold separately
Wired Remote Control Unit: CMRC1, CMRC2.
IR Remote Control Unit: RCB-176-600.

DIFFERENCE EXPLODED VIEW/PARTS LIST

DCP section

(Refer to page 8-9 of the original service manual.)
The following parts are updated together with the originai model.

NO.	PART NO.	DESCRIPTION	Q'TY
1	DCP-579-600	DCP ASSY	1
25	335-6897-03	REAR-COVER	1
42	345-5899-00	LAMP CAP	1

The following parts are difference parts.

NO.	PART NO.	DESCRIPTION	Q'TY
3	778-6019-50	SCREW(M1.7x6)	1
4	371-5761-05	FACE-PANEL(L)	1
13	382-6811-03	BUTTON(AM/FF/FB)	1
14	382-6810-01	BUTTON(FNC/BND)	1

NO.	PART NO.	DESCRIPTION	Q'TY
24	716-1764-50	PAD SCREW(M1.7x5)	4
26	716-0872-61	SCREW(M1.7x6)	4
30	373-1016-15	DIAL-CVR	1
36	379-1364-40	LCD(INDICATOR)	1

Main section

(Refer to page 10-11 of the original service manual.)
The following parts are updated together with the originai model.

NO.	PART NO.	DESCRIPTION	Q'TY
33	929-5002-80	CD MECH MODULE	1
41	347-7866-00	UPPER SHEET	1

The following parts are difference parts.

NO.	PART NO.	DESCRIPTION	Q'TY
19	276-0095-00	SETPLATE	1
21	780-2607-52	SCREW(M2.6x7)	2
28	716-0778-50	WAVE SCREW(M2x6)	2

NO.	PART NO.	DESCRIPTION	Q'TY
34	714-3004-8B	MACHINE SCREW(M3x4)	3
35	714-2603-8A	MACHINE SCREW(M2.6x3)	3
38	714-3006-8B	MACHINE SCREW(M3x6)	11

DIFFERENCE ELECTRICAL PARTS LIST

Main PWB section(B1)

(Refer to the original service manual,page 14-15.)
The following parts are additional parts.

REF No.	PART No.	DESCRIPTION
Q621	125-2199-92	KRC102S
Q622	125-4010-90	KTC3875S
R648	119-1031-15	1/10W 10k ohm

REF No.	PART No.	DESCRIPTION
R649	119-1031-15	1/10W 10k ohm
R650	119-4731-15	1/10W 47k ohm

(Refer to the original service manual,page 15.)
The following parts are difference parts.

REF No.	PART No.	DESCRIPTION
IC601	052-3397-10	M30622MEP-D98GP
PWB	039-2671-04	PWB(WITHOUT COMPONENT)

SW PWB section(B2)

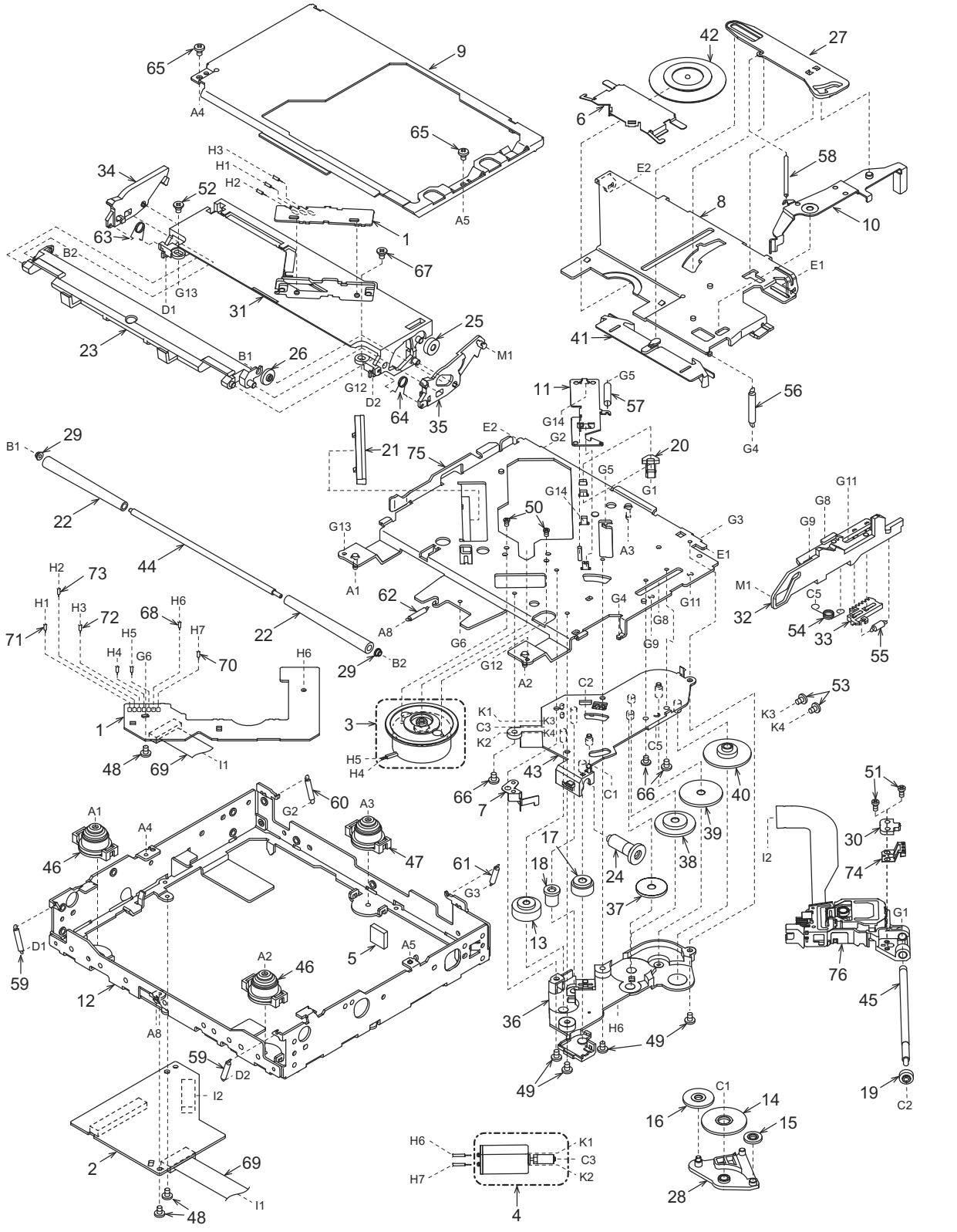
(Refer to the original service manual,page 15.)
The following parts are additional parts.

REF No.	PART No.	DESCRIPTION
R702	119-1011-15	1/10W 100 ohm
R703	119-1021-15	1/10W 1k ohm

REF No.	PART No.	DESCRIPTION
C705	042-0423-97	16V 10uF
IR701	060-4017-90	RS-671

EXPLODED VIEW/PARTS LIST

CD mechanism section : 929-5002-80



M455A

EXPLODED VIEW/PARTS LIST

CD mechanism section : 929-5002-80

NO.	PART NO.	DESCRIPTION	Q'TY
1	----------	SENSOR PWB	1
2	----------	MAIN PWB	1
3	SMA-182-100	SPINDLE MOTOR-ASSY	1
4	SMA-183-100	SLED MOTOR-ASSY	1
5	345-5476-20	CUSHION RUBBER	1
6	620-1023-23	CLAMPER PLATE	1
7	620-1026-21	SPRING PLATE	1
8	620-1596-23	CLAMPER LINK	1
9	620-1598-22	UPPER CHASSIS	1
10	620-1752-20	SENSOR ARM	1
11	620-1753-20	ID-LOCK PLATE	1
12	620-1754-20	LOWER CHASSIS	1
13	621-0608-21	SECOND GEAR	1
14	621-0609-20	BASE GEAR	1
15	621-0610-20	IDLE GEAR A	1
16	621-0611-20	IDLE GEAR B	1
17	621-0612-21	ROLLER GEAR A	1
18	621-0620-20	THREAD GEAR A	1
19	621-0621-20	THREAD GEAR B	1
20	621-0623-23	LS-HOLDER	1
21	621-0624-22	GUIDE RAIL	1
22	621-0711-20	LOADING ROLLER	2
23	621-0718-21	ROLLER GUIDE	1
24	621-0719-20	ROLLER GEAR	1
25	621-0720-20	ROLLER GEAR C	1
26	621-0721-20	ROLLER GEAR D	1
27	621-0728-20	STOPPER LINK	1
28	621-1719-20	IDLE CASE	1
29	621-1726-20	ROLLER SLEEVE	2
30	621-1729-20	SH-BASE	1
31	621-1742-20	UPPER GUIDE	1
32	621-1743-20	SHIFT LEVER	1
33	621-1744-20	RACK	1
34	621-1745-20	LOCK ARM L	1
35	621-1746-20	LOCK ARM R	1
36	621-1747-20	GEAR COVER	1
37	621-1748-20	POWER GEAR A	1
38	621-1749-20	POWER GEAR B	1

NO.	PART NO.	DESCRIPTION	Q'TY
39	621-1750-20	POWER GEAR C	1
40	621-1751-20	POWER GEAR D	1
41	621-1752-20	DISC STOPPER	1
42	621-1753-20	CLAMPER RING	1
43	621-1754-20	GEAR BASE	1
44	622-1571-21	ROLLER SHAFT	1
45	624-0020-00	LEAD SCREW	1
46	629-0086-20	DAMPER F	2
47	629-0087-20	DAMPER R	1
48	716-1507-01	SCREW(M2x3)	3
49	716-1670-01	SCREW(M2x4)	4
50	716-1733-01	SCREW(M1.7x2.3)	2
51	716-3469-01	SCREW(1.7x4)	2
52	716-3473-01	SCREW(M2x3)	1
53	716-3551-00	SCREW(M1.4x2.5)	2
54	750-3467-21	SHIFT SPRING	1
55	750-3468-20	RACK SPRING	1
56	750-3469-20	CLAMPER SPRING	1
57	750-3470-20	ID-LOCK SPRING	1
58	750-3471-20	SENSOR SPRING	1
59	750-3472-21	DR-SPRING F	2
60	750-3473-20	DR-SPRING RA	1
61	750-3474-20	DR-SPRING RB	1
62	750-3475-21	DR-SPRING C	1
63	750-6797-20	ROLLER SPRING L	1
64	750-6798-20	ROLLER SPRING R	1
65	780-2003-8B	SCREW(M2x3)	2
66	780-2025-00	SCREW(M2x2.5)	3
67	781-1730-00	SCREW(M1.7x3)	1
68	803-4906-60	VINYL-COAT-WIRE(ORG)	1
69	816-2542-01	FLAT WIRE	1
70	816-2590-00	SPECIAL LEAD(GRN)	1
71	816-2591-00	SPECIAL LEAD(YEL)	1
72	816-2592-00	SPECIAL LEAD(BLUE)	1
73	816-2593-00	SPECIAL LEAD(PUR)	1
74	966-1722-20	SH-RACK-ASSY	1
75	966-1743-21	DRIVE-PLT-ASSY	1
76	969-0071-30	PICKUP-ASSY	1