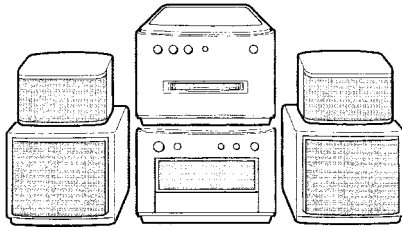


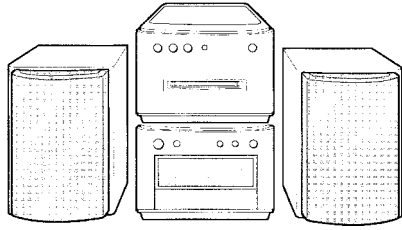
# aiwa



## XR-MD90 XR-MD95



XR-MD90



XR-MD95

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MD / CD STEREO SYSTEM

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- BASIC MD MECHANISM: 7ZG-9 A1
- BASIC CD MECHANISM: KSM-542 ABA

• TYPE: U

## CORRECTION

- This Service Manual is replaces "CORRECT" Manual (S/M Code No. 09-987-270-4R1).
- IC,TMP87CM23F-2336 and IC,TMP87CM40AF-4A78 is "SUPPLEMENT" Item.

## MECHANICAL PARTS LIST 2/2

REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	S8-CL1-350-010		KEY,SOUND	26	S8-CL1-220-000		CHASSIS PANEL CONTROL
2	S8-CL1-340-010		KEY,SET-EDIT	27	85-ZG1-616-010		MOTOR,FF-050SH-11190
3	S8-CL1-390-010		KEY,SET-FUNCTION	28	S8-CL1-410-000		PULLEY MOTOR TRAY
4	S8-CL1-380-100		KEY,SET-F.F	29	S8-CL1-620-000		BELT,PULLEY AMP
5	S8-CL1-370-100		KEY,SET-CD(GRY)	30	S8-CL1-420-000		GEAR,TRAY
6	S8-CL1-360-100		KEY,SET-REC	31	S8-CL1-430-000		CENTER GEAR TRAY
7	S8-CL1-800-000		BADGE AIWA	32	S8-CL1-660-000		BRACKET CORD AC
8	S8-CL1-200-010		PANEL, TOP CONTROL	33	S0-000-010-010		SW,MIRCO MLS-1
9	S8-CL1-710-100		PLATE CONTROL PANEL	34	S8-CL1-890-000		PLATE SUPPOTR X`FORMER
10	S8-CL1-230-010		KEY,JOG GREY	A	87-357-036-010		SCREW ST 2-8
11	S8-CL1-280-100		CAB, TOP AMP	B	87-268-508-310		SCREW,ST1.4-3.5
12	S8-CL1-760-100		PLATE PANEL FRONT AMP	C	87-352-095-010		SCREW,ST3-8
13	S8-CL1-190-100		LENS,DISPLAY	D	87-741-097-410		SCREW,ST3-12
14	S8-CL1-210-000		TRAY,PANEL CONTROL	E	87-261-075-010		SCREW,ST2.6-10MM BB
15	S8-CL1-020-010		PANEL,FRONT AMP	F	87-255-169-410		SCREW,4-6
16	S8-CL1-400-010		KNOB,POWER(GRY)	G	87-261-094-410		SCREW,M3-6
17	S8-CL1-060-010		CAB,BOTTOM AMP	H	87-352-097-210		SCREW,ST3-12
18	S0-041-380-000		LCD DISPLAY	I	87-261-074-010		SCREW,ST2.6-8MM BB
19	S8-CL1-680-000		BKT DISPLAY LCD	J	87-067-911-010		SCREW,ST1.7-10
20	S8-CL1-640-000		FOOT,RUBBER 10-10-3	K	87-078-157-010		SCREW,ST3-16
⚠ 21	S5-866-361-400		POWER TF EI-66/36	L	87-253-095-410		SCREW 3-8
22	S0-900-120-000		COOLING FAN DC12V 0.08A	M	87-751-096-410		SCREW,3-10
23	S8-CL1-240-010		BRACKET FAN	N	87-251-094-410		SCREW,ST3-6
24	S0-408-000-020		CORD AC BUSHING	O	S0-000-305-000		NUT,M3.5-0.5
⚠ 25	S2-201-200-000		CORD,POWER 6.5 VDE	P	87-078-044-010		FW,3.2-8-1

## IC, TMP87CM40AF-4A85

Pin No.	Pin Name	I/O	Description
1	PRO	O	CD door open control output.
2	DRC/P77	O	CD door close control output.
3-6	BUS0-BUS3	I/O	Data bus.
7	BUCK	O	Data bus clock output.
8	CCE	O	Chip enable output.
9	PUIN	I	Inside limit switch input.
10	MUTE	I/O	Mute input/output.
11	HOLD	I	Hold input.
12-14	NC	—	Not used.
15	RMONO	O	Mono rec signal output.
16	M.SENSOR	I	CD door sensor output.
17	CDDR-CLOSE	I	CD door close control input.
18	CDDR-OPEN	I	CD door open control input.
19	STOP	I	Connected to power supply.
20	TEST	I	Test pin.
21	XTIN	I	Connected to 32.768kHz resonator.
22	XTOUT	O	
23	RESET	I	Reset input.
24	XIN	I	Connected to 8.0MHz resonator.
25	XOUT	O	
26	VSS	—	GND.
27	CLKSFT	O	Clock shift output.
28	MD-SRST	O	MD reset signal output.
29	MD-SREQ	O	Serial data transfer request for MD control.
30	MD-MREQ	I	Serial data transfer request for MD control.
31	MD-ARDY	O	Serial data send/receive ready output for MD control.
32	NC	—	Not used.
33	MRESET	O	Master reset output.
34	MSTANDBY	O	Master standby output for TMP87CH47.
35	MCMD	I	Serial data input for TMP87CH47.
36	SCMD	O	Serial clock output for TMP87CH47.
37	SCK	I/O	SIOI serial clock input/output.
38	MSI	I	SIOI serial data input.
39	MSO	O	SIOI serial data output.
40	MD-ACLK	I/O	serial clock input/output for MD.
41	MD-SOUT	O	Serial data output for MD.
42	MD-SIN	I	Serial data input for MD.
43	REMOTE	I	Remote signal input.
44-47	NC	—	Not used.
48	VASS	—	GND.
49	VAREF	I	Analog reference voltage input.

Pin No.	Pin Name	I/O	Description
50	KEY5	I	Key detect.
51	KEY6	I	Key detect.
52	HASMD	I	Not used.
53-55	BAND0-2	I	Tuner band setting.
56, 57	NC	—	Not used.
58	VCC	—	Power supply.
59	INH	O	Function switch output.
60	B	O	Function switch output.
61	A	O	Function switch output.
62	CD ON	O	CD power on.
63, 64	NC	—	Not used.

## IC, TMP87CH47U-4A90

Pin No.	Pin Name	I/O	Description
1	SCK	I/O	SIO serial clock input/output .
2	R/W	O	Read/write select signal output.
3	RS	O	Register select signal output.
4	E	O	Read/write enable signal output.
5-12	DB7-0	I/O	LCD Driver Data Bus.
13	TEST	I	Test pin.
14	RESET	I	Reset input.
15	XIN	I	Connected to 8MHz resonator.
16	XOUT	O	
17	VSS	—	GND.
18	VAREF	—	Analog reference voltage input.
19	CKSFT	O	Clock shift output.
20-23	KEY1-4	I	Key detect.
24, 25	JOG A, B	I	Jog detect.
26	TRAY	I	Tray detect.
27	CK	O	Clock output for volume IC interface.
28	LATCH	O	Latch output for volume IC interface.
29	INTO	I	HOLD signal input.
30	STANDBY	O	STANDBY INDICATION signal output.
31	DATA	O	Data output for volume IC interface.
32	STEREO	I	STEREO/MONO select.
33	CLK	O	Clock output for TC9257 interface.
34	T-DATA	I/O	Data input/output for TC9257 interface.
35	PERIOD	O	PERIOD output for TC9257 interface.
36	MUTE	I/O	Mute signal input/output.
37	HOLD	I	Connected to Power supply.
38	XTIN	I	Connected to 32.768kHz resonator.
39	XTOUT	O	
40	VDD	—	+5V.
41	MCMO	O	Serial data output for TMP87CM40.
42	SCMO	I	Serial clock input for TMP87CM40.
43	SQ	O	SIO serial data output.
44	SI	I	SIO serial data input.