

SERVICE MANUAL

STEREO RADIO RECEIVER

Replace this Service Manual with "Revision Publishing" when it is issued.

aiwa

S/M Code No. 09-027-457-1T2

SIMPLE

DATA

SPECIFICATIONS - 1/1

Frequency range	FM: 87.5 - 108 MHz AM: 530 - 1,605 kHz
Maximum output	80 mW (speaker) (EIAJ 8 Ω) 8 mW + 8 mW (EIAJ 32 Ω)
Power source	DC 1.5 V using an R03 (size AAA) battery
Speaker	Diameter 28 mm, 8 Ω
Output	Headphones jack (Stereo mini jack)
Maximum dimensions	42.6 (W) x 82 (H) x (D) mm (excluding projecting parts and controls)
Weight	Approx. 41.3 g (excluding battery)

- The specifications and external appearance of this unit are subject to change without notice.

ELECTRICAL PARTS LIST -1/2

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C

= ⚠ SAFTY PARTS

= Components marked

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However, please note that not all components will be available as spare parts for after-sales service.

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UNIT-NAME		! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL		
						CR-LA90 YZ1SC	CR-LA90 YL1SC	CR-LA90 YJ1SC
MAIN		O	BPF0001	87-030-141-080	BANDPASS FILTER	a	b	c
MAIN		X C	0001	S6-180-020-500	C-CAP,18P-50V	a	.	.
MAIN		X C	0001	S6-150-520-500	C-CAP,15PF-50V	.	b	c
MAIN		X C	0002	S6-200-520-500	C-CAP,20P-50	a	.	.
MAIN		X C	0002	S6-180-020-500	C-CAP,18P-50V	.	b	c
MAIN		X C	0004	S6-408-020-500	C-CAP,4PF-50V	a	.	.
MAIN		X C	0004	S8-408-300-500	C-CAP,4P-50	.	b	c
MAIN		X C	0005	S6-308-320-500	C-CAP,3PF-50V	a	b	c
MAIN		X C	0006	S5-474-820-100	C-CAP,0.47UF-10V	a	b	c
MAIN		X C	0007	S6-331-520-500	C-CAP,330PF-50V	a	b	c
MAIN		X C	0008	S5-223-120-250	C-CAP,0.022UF-25V	a	b	c
MAIN		X C	0009	S5-223-120-250	C-CAP,0.022UF-25V	a	b	c
MAIN		X C	0010	87-012-286-080	C-CAP,0.01-25V	a	b	c
MAIN		X C	0011	S5-223-120-250	C-CAP,0.022UF-25V	a	b	c
MAIN		X C	0012	S5-474-820-100	C-CAP,0.47UF-10V	a	b	c
MAIN		X C	0013	S6-680-520-500	C-CAP,68PF-50V	a	b	c
MAIN		O C	0014	87-A10-193-080	C-CAP,4.7-16	a	b	c
MAIN		O C	0017	87-015-908-010	CAP,E 220-4V	a	b	c
MAIN		X C	0018	S5-223-120-250	C-CAP,0.022UF-25V	a	b	c
MAIN		X C	0019	S5-105-820-100	C-CAP,1UF-10V	a	b	c
						CR-LA90 YZ1SC	CR-LA90 YL1SC	CR-LA90 YJ1SC
MAIN		O C	0020	87-A10-260-08G	C-CAP,0.1-16	a	b	c
MAIN		X C	0021	S5-153-120-250	C-CAP,0.015UF-25V	a	b	c
MAIN		X C	0022	S5-473-120-250	C-CAP,0.047-25V	a	b	c
MAIN		X C	0023	S5-105-820-100	C-CAP,1UF-10V	a	b	c
MAIN		X C	0024	S5-223-120-250	C-CAP,0.022UF-25V	a	b	c
MAIN		X C	0025	S5-331-120-500	C-CAP,330PF-50V	a	b	c
MAIN		X C	0026	S6-821-520-250	C-CAP,820PF-25V	a	b	c
MAIN		O C	0027	87-A10-260-08G	C-CAP,0.1-16	a	b	c
MAIN		X C	0028	S5-153-120-250	C-CAP,0.015UF-25V	a	b	c
MAIN		X C	0029	S5-473-120-250	C-CAP,0.047-25V	a	b	c
MAIN		X C	0030	S5-473-120-250	C-CAP,0.047-25V	a	b	c
MAIN		X C	0031	S5-474-820-100	C-CAP,0.47UF-10V	a	b	c
MAIN		X C	0032	S5-474-820-100	C-CAP,0.47UF-10V	a	b	c
MAIN		X C	0033	S5-562-120-500	C-CAP,0.0056UF-50V	a	b	c
MAIN		X C	0034	S5-562-120-500	C-CAP,0.0056UF-50V	a	b	c
MAIN		X C	0035	S5-683-120-160	C-CAP,0.068UF-16V	a	b	c
MAIN		X C	0036	S5-683-120-160	C-CAP,0.068UF-16V	a	b	c
MAIN		X C	0037	S5-474-820-100	C-CAP,0.47UF-10V	a	b	c
MAIN		X C	0038	S5-474-820-100	C-CAP,0.47UF-10V	a	b	c
MAIN		X C	0039	S5-474-820-100	C-CAP,0.47UF-10V	a	b	c
						CR-LA90 YZ1SC	CR-LA90 YL1SC	CR-LA90 YJ1SC
MAIN		X C	0040	S5-474-820-100	C-CAP,0.47UF-10V	a	b	c
MAIN		O C	0041	87-015-908-010	CAP,E 220-4V	a	b	c
MAIN		X C	0042	S5-223-120-250	C-CAP,0.022UF-25V	a	b	c
MAIN		O C	0043	87-010-587-070	CAP,E 100-2V	a	b	c
MAIN		O C	0044	87-010-587-070	CAP,E 100-2V	a	b	c
MAIN		O C	0045	87-A10-057-08J	C-CAP,E 100-4V	a	b	c
MAIN		X C	0046	87-010-831-080	C-CAP,0.1-16V	a	b	c
MAIN		X C	0047	87-010-831-080	C-CAP,0.1-16V	a	b	c
MAIN		X C	0048	S6-681-520-500	C-CAP,680	a	b	c
MAIN		X C	0049	S6-680-520-500	C-CAP,68PF-50V	a	b	c
MAIN		X C	0050	S5-223-120-250	C-CAP,0.022UF-25V	a	b	c
MAIN		X C	0051	S5-105-820-100	C-CAP,1UF-10V	a	b	c
MAIN		X C	0052	S5-223-120-250	C-CAP,0.022UF-25V	a	b	c
MAIN		X C	0053	S5-223-120-250	C-CAP,0.022UF-25V	a	b	c
MAIN		X C	0054	S5-223-120-250	C-CAP,0.022UF-25V	a	b	c
MAIN		X C	0056	S6-560-520-500	C-CAP,56PF-50V	a	b	c
MAIN		X C	0057	87-010-831-080	C-CAP,0.1-16V	a	b	c
MAIN		X C	0058	S5-332-120-500	C-CAP,0.0033-50V	a	b	c
MAIN		O CF	0001	S0-051-980-000	CERAMIC FILTER KMFC5198-AE-R0	a	b	c
MAIN		O CF	0002	S0-051-980-000	CERAMIC FILTER KMFC5198-AE-R0	a	b	c
						CR-LA90 YZ1SC	CR-LA90 YL1SC	CR-LA90 YJ1SC
MAIN		O CF	0003	S0-004-500-100	CERAMIC FILTER AHCfM2-450BL	a	b	c
MAIN		O IC	0001	87-017-789-089	IC,TA2022FN	a	b	c
MAIN		S IC	0002	87-001-815-089	IC,TA7371AF	a	b	c
MAIN		O IC	0003	S2-720-960-000	IC,NJM2096M	a	b	c
MAIN		O J	0001	87-A61-293-01	HP,JACK TC38-108-02 (TA	a	b	c
MAIN		X JR	0002	88-108-000-080	C-RES,0 -1/16W	a	b	c
MAIN		X JR	0003	88-108-000-080	C-RES,0 -1/16W	a	b	c
MAIN		O L	0001	S0-650-251-050	FM COIL 6.5T 2.5mm DIA:0.5mm	a	.	.
MAIN		O L	0001	S0-750-250-050	FM COIL 7.5T, 2.5mm, DIA:0.5m	.	b	c
MAIN		O L	0002	85-HRE-607-010	FM COIL 6T,2.6mm,DIA:0.5mm	a	.	.
MAIN		O L	0002	8B-HRL-606-010	FM COIL 6T, 2.65mm, 0.4mm	.	b	c
MAIN		O L	0003	S1-939-850-000	ANT COIL ASSY	a	b	c
MAIN		O L	0004	87-A50-534-010	IFT (AM OSC) OFK5-3322-846057	a	b	c
MAIN		O L	0005	87-A50-606-08	C-COIL,1UH	a	b	c
MAIN		O L	0006	87-A50-606-08	C-COIL,1UH	a	b	c
MAIN		O L	0007	87-A50-606-08	C-COIL,1UH	a	b	c
MAIN		O L	0008	ST-RC0-041-200	FERRITE BEAD INDUCTOR 120UH	a	b	c
MAIN		O L	0009	87-A50-583-08	C-COIL,2.2UH	a	b	c
MAIN		O PVC	0001	S3-444-220-030	PVC JF444WAB22-B1.0 AM/FM 160	a	b	c
MAIN		O Q	0001	89-508-824-080	C-FET,2SK882Y	a	b	c

ELECTRICAL PARTS LIST -2/2

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C

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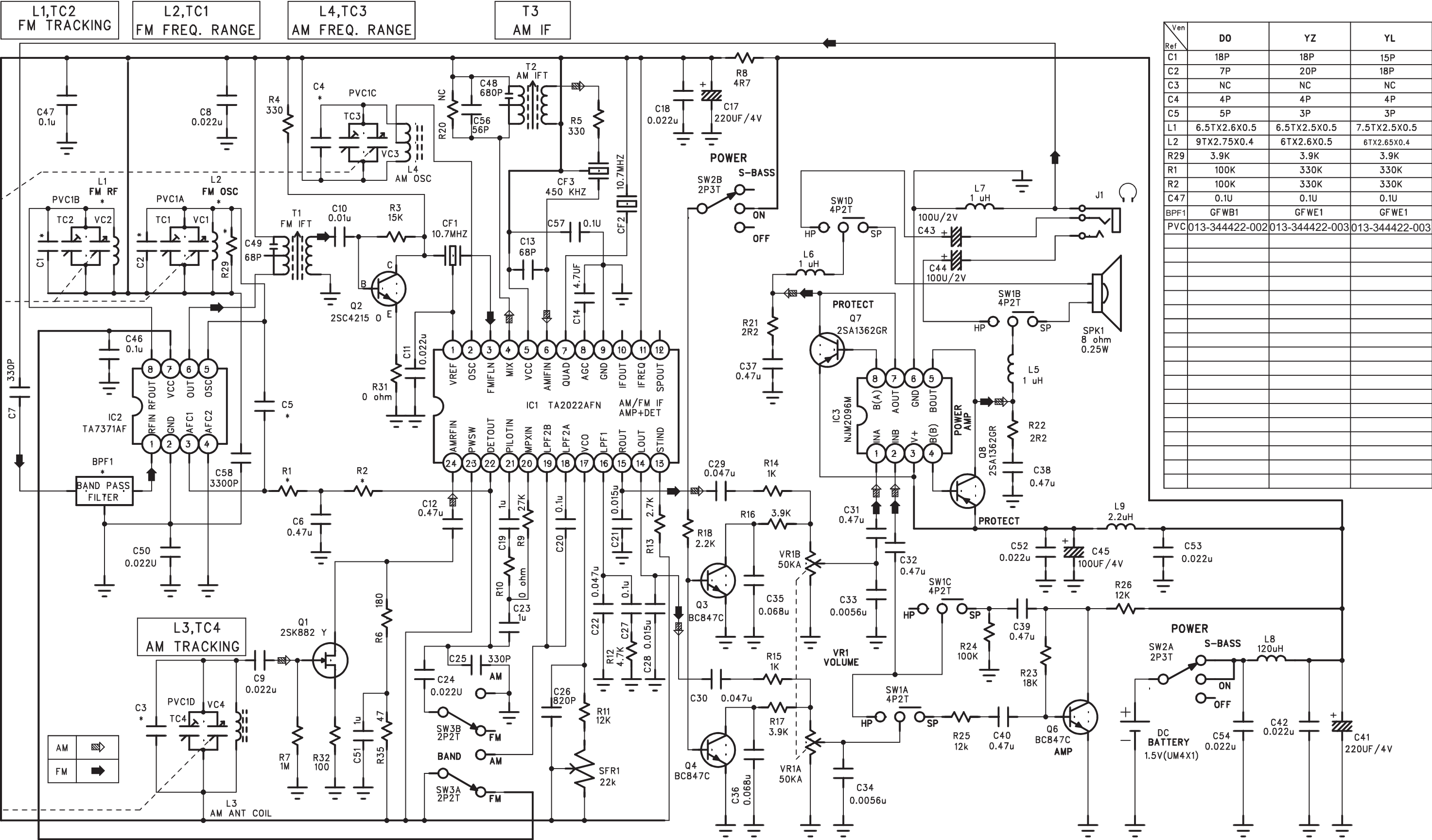
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						CR-LA90 YZ1SC	CR-LA90 YL1SC	CR-LA90 YJ1SC	
MAIN		O	Q	0002	89-342-153-089	C-TR,2SC4215	a	b	c
MAIN		O	Q	0003	S0-084-700-030	C-TR,BC847C	a	b	c
MAIN		O	Q	0004	S0-084-700-030	C-TR,BC847C	a	b	c
MAIN		O	Q	0006	S0-084-700-030	C-TR,BC847C	a	b	c
MAIN		O	Q	0007	89-113-625-08	C-TR,2SA1362GR	a	b	c
MAIN		O	Q	0008	89-113-625-08	C-TR,2SA1362GR	a	b	c
MAIN		X	R	0001	S3-334-520-160	C-RES,330K-1/16W	a	b	c
MAIN		X	R	0002	S3-334-520-160	C-RES,330K-1/16W	a	b	c
MAIN		X	R	0003	88-108-153-080	C-RES,15K-1/16W	a	b	c
MAIN		X	R	0004	S3-331-520-160	C-RES,330-1/16W	a	b	c
MAIN		X	R	0005	S3-331-520-160	C-RES,330-1/16W	a	b	c
MAIN		X	R	0006	S3-181-520-160	C-RES,180-1/16W	a	b	c
MAIN		X	R	0007	88-108-105-080	C-RES,1M-1/16W	a	b	c
MAIN		X	R	0008	88-108-479-080	C-RES,4.7-1/16W	a	b	c
MAIN		X	R	0009	S3-273-520-160	C-RES,27K-1/16W	a	b	c
MAIN		X	R	0010	88-108-000-080	C-RES,0 -1/16W	a	b	c
MAIN		X	R	0011	S3-123-520-160	C-RES,12K-1/16W	a	b	c
MAIN		X	R	0012	S3-472-520-160	C-RES,4.7K-1/16W	a	b	c
MAIN		X	R	0013	S3-272-520-160	C-RES,2.7K-1/16W	a	b	c
MAIN		X	R	0014	S3-102-120-160	C-RES,1K-1/16W	a	b	c
						CR-LA90 YZ1SC	CR-LA90 YL1SC	CR-LA90 YJ1SC	
MAIN		X	R	0015	S3-102-120-160	C-RES,1K-1/16W	a	b	c
MAIN		X	R	0016	S3-392-520-160	C-RES,3.9K-1/16W	a	b	c
MAIN		X	R	0017	S3-392-520-160	C-RES,3.9K-1/16W	a	b	c
MAIN		X	R	0018	S3-222-520-160	C-RES,2.2K-1/16W	a	b	c
MAIN		X	R	0021	S3-228-520-160	C-RES,2.2-1/16W	a	b	c
MAIN		X	R	0022	S3-228-520-160	C-RES,2.2-1/16W	a	b	c
MAIN		X	R	0023	S3-183-520-160	C-RES,18K-1/16W	a	b	c
MAIN		X	R	0024	88-108-104-080	C-RES,100K-1/	a	b	c
MAIN		X	R	0025	S3-123-520-160	C-RES,12K-1/16W	a	b	c
MAIN		X	R	0026	S3-123-520-160	C-RES,12K-1/16W	a	b	c
MAIN		X	R	0029	S3-392-520-160	C-RES,3.9K-1/16W	a	b	c
MAIN		X	R	0031	88-108-000-080	C-RES,0 -1/16W	a	b	c
MAIN		X	R	0032	S3-101-520-160	C-RES,100-1/1	a	b	c
MAIN		X	R	0035	S3-470-520-160	C-RES,47-1/16W	a	b	c
MAIN		O	SFR0001	87-A91-466-040	C-SEMI-FIXED,22K	a	b	c	
MAIN		X	SP-0000	S3-030-500-090	JP WIRE 50MM(BLK)	a	b	c	
MAIN		X	SP+0000	S3-030-500-050	PVC JP WIRE #30, 3x3mm, 50mm, BL	a	b	c	
MAIN		O	SW 0001	S4-200-211-000	SW,SLIDE 4P2T	a	b	c	
MAIN		O	SW 0002	87-A90-778-01	SW,SLIDE 2P3T	a	b	c	
MAIN		O	SW 0003	S2-210-211-000	SW,SLIDE 2P2T	a	b	c	
						CR-LA90 YZ1SC	CR-LA90 YL1SC	CR-LA90 YJ1SC	
MAIN		O	T	0001	S0-037-200-050	IFT,S372PN-1439AQ	a	b	c
MAIN		O	T	0002	S0-000-120-560	IFT (AM IFT) 5MH1A012R	a	b	c
MAIN		O	VR	0001	87-HRC-609-010	RES,VARIABLE XV0102GPV1N15A20	a	b	c

SCHEMATIC DIAGRAM - 1/1 (MAIN)

TC1~TC4
VC1~VC4 } PVC1 TUNING



MECHANICAL PARTS LIST -1/1

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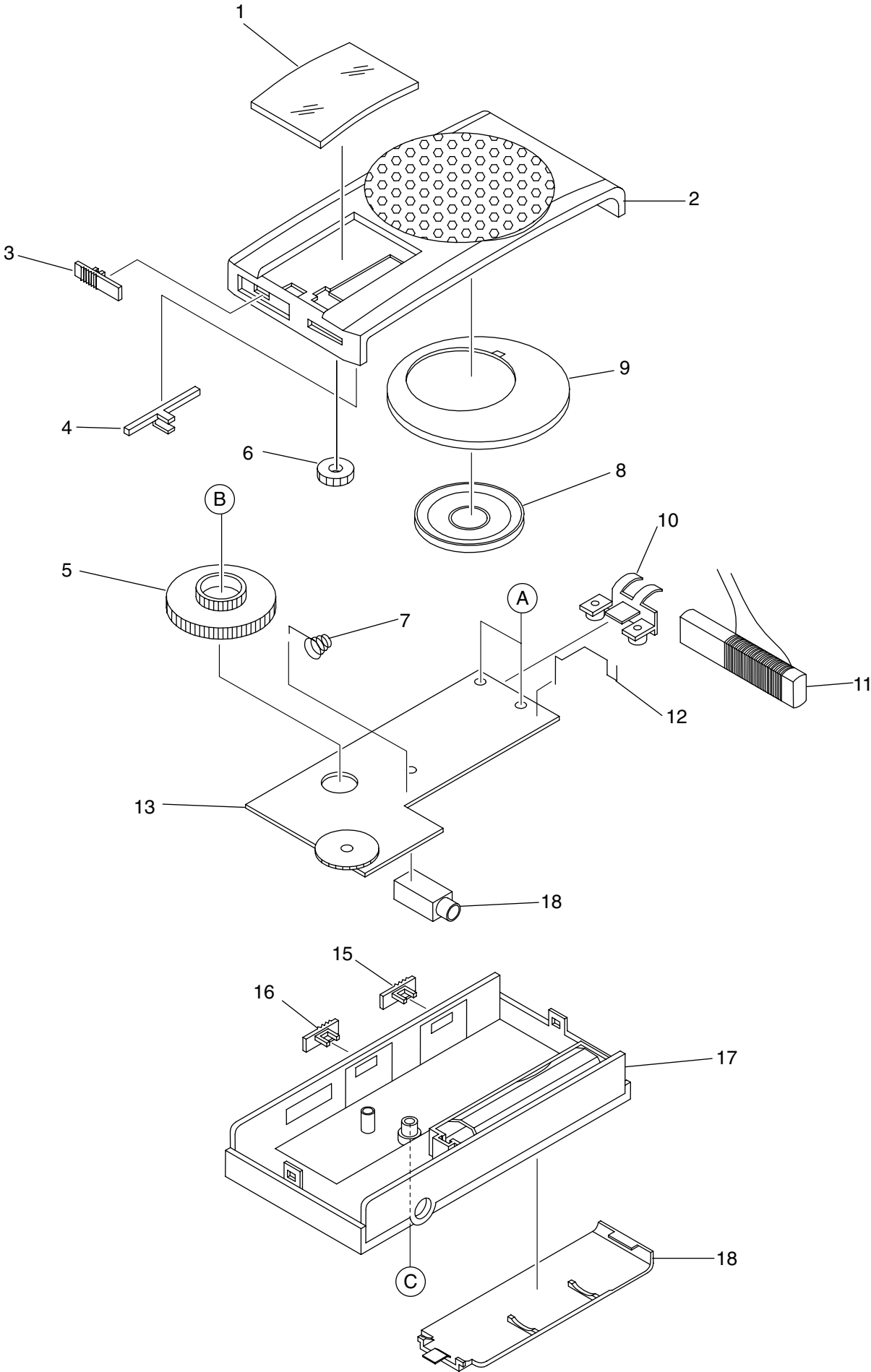
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						CR-LA90 YZ1SC	CR-LA90 YL1SC	CR-LA90 YJ1SC
	O	MC1001	8C-RL4-011-010	DIAL LENS (YZ/YL)		a	b	c
	O	MC1002	8C-RL4-001-010	FRONT CAB		a	b	c
	O	MC1003	8C-RL4-005-010	POWER KNOB		a	b	c
	O	MC1004	8C-RL4-009-010	POINTER		a	b	c
	O	MC1005	8C-RL4-008-010	TUNING KNOB		a	b	c
	O	MC1006	8C-RL4-201-010	TUNING GEAR		a	b	c
	O	MC1007	SC-RL4-150-000	SPRING BATTERY CATHODE (-)		a	b	c
	O	MC1008	S1-180-002-010	SPK001.1"008OHM25W		a	b	c
	X	MC1009	SC-RL4-130-000	SPEAKER HOLDER		a	b	c
	O	MC1010	SC-RL4-120-000	BAR HOLDER		a	b	c
	O	MC1011	S1-939-850-000	ANT COIL ASSY		a	b	c
	O	MC1012	SC-RL4-140-000	SPRING BATTERY POSITIVE (+)		a	b	c
	X	MC1013	S0-0CR-L41-000	PWB CRL4-02-01		a	b	c
	O	MC1014	87-A61-293-01	HP,JACK TC38-108-02 (TA		a	b	c
	O	MC1015	8C-RL4-007-010	SPK KNOB		a	b	c
	O	MC1016	8C-RL4-006-010	BAND KNOB		a	b	c
	O	MC1017	8C-RL4-012-010	REAR CAB (YJ)		a	.	.
	O	MC1017	8C-RL4-010-010	REAR CAB (YL/YZ)		.	b	.
	O	MC1017	8C-RL4-012-010	REAR CAB (YJ)		.	.	c
	O	MC1018	8C-RL4-003-010	BATTERY LID		a	b	c
						CR-LA90 YZ1SC	CR-LA90 YL1SC	CR-LA90 YJ1SC
	X	MC1019	S0-000-010-200	SPONGE 12x12x8mm WHITE		a	b	c
	O	MC1A	87-351-549-310	SCREW,ST2-4		a	b	c
	O	MC1B	87-067-297-010	SCREW,1.7-4 PM		a	b	c
	O	MC1C	87-B10-304-310	SCREW 1.7x10		a	b	c

MECHANICAL EXPLODED VIEW - 1/1



OTHER PARTS LIST -1/1

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					CR-LA90 YZ1SC	CR-LA90 YL1SC	CR-LA90 YJ1SC
	X		SC-RL4-160-000	DOUBLE-SIDE ADHESIVE TAPE	a	b	c
	X		8C-RL4-855-010	BLISTER TRAY	a	b	c
	X		87-B50-078-01	FACILITY LIST (S)-0007	a	b	c
	X		87-B40-007-01J	(F809-00000A-010)BAR CODE LBL	a	.	.
	X		87-056-168-01C	INFORMATION WARRANTY SHEET	a	.	.
	X		8C-RL4-856-010	WINDOW G/B(YZ1S)	a	.	.
	X		87-B40-281-01J	LBL,BAR CODE(A-35-8)	.	b	c
	X		8C-RL4-857-010	GIFT BOX (YL1S)	.	b	.
	X		8C-RL4-863-010	GIFT BOX (YJ1S)	.	.	c



アイワ株式会社 〒110-8710 東京都台東区池之端1-2-11 ☎03(3827)3111 (代表)
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