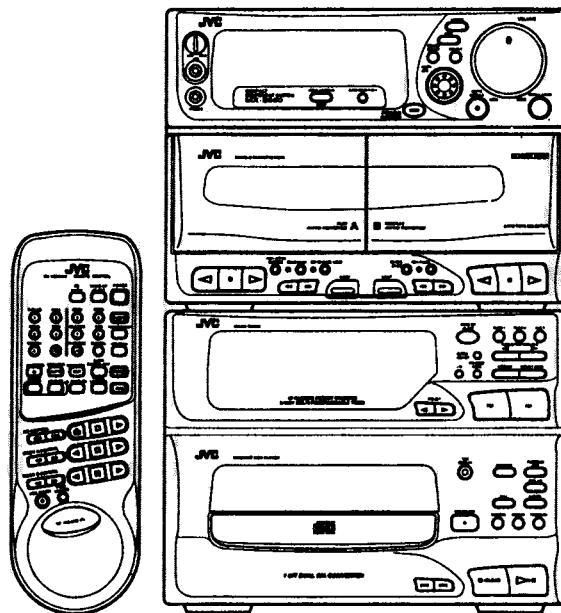


# JVC

## SERVICE MANUAL

### COMPACT COMPONENT SYSTEM

## CA-S500(UP)



PIC UP	OPT-6S
Lsi	MN662721RAM

#### Area Suffix

UP .... Korea  
U ..... Universal Type

COMPACT  
**disc**  
DIGITAL AUDIO

This manual shows the differences between CA-S500(UP) and CA-500.  
When servicing, refer to the manual of CA-S500(UP) and CA-S500(NO.20505)

## Safety Precautions

1. The design of this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Services should be performed by qualified personnel only.
2. Alterations of the design or circuitry of the product should not be made. Any design alterations of the product should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacture of responsibility for personal injury or property damage resulting therefrom.
3. Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the Parts List of Service Manual. Electrical components having such features are identified by shading on the schematics and by ( $\Delta$ ) on the Parts List in the Service Manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement parts shown in the Parts List of Service Manual may create shock, fire, or other hazards.
4. The leads in the products are routed and dressed with ties, clamps, tubings, barriers and the like to be separated from live parts, high temperature parts, moving parts and/or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after re-assembling.

### 5. Leakage current check (Electrical shock hazard testing)

After re-assembling the product, always perform an isolation check on the exposed metal parts of the product (antenna terminals, knobs, metal cabinet, screw heads, headphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

Do not use a line isolation transformer during this check.

- Plug the AC line cord directly into the AC outlet. Using a "Leakage Current Tester", measure the leakage current from each exposed metal parts of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground. Any leakage current must not exceed 0.5mA AC (r.m.s.).

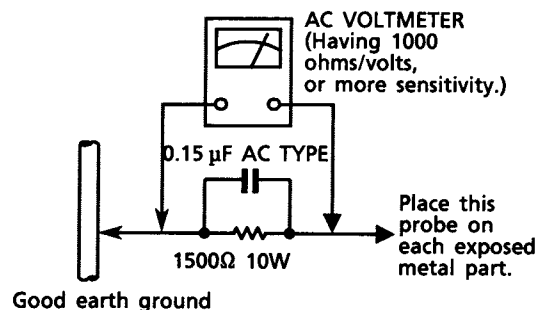
#### ● Alternate check method

Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having, 1,000 ohms per volt or more sensitivity in the following manner. Connect a 1,500 $\Omega$  10 W resistor paralleled by a 0.15  $\mu$ F AC-type capacitor between an exposed metal part and a known good earth ground.

Measure the AC voltage across the resistor with the AC voltmeter.

Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor.

Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75 V AC (r.m.s.). This corresponds to 0.5 mA AC (r.m.s.).

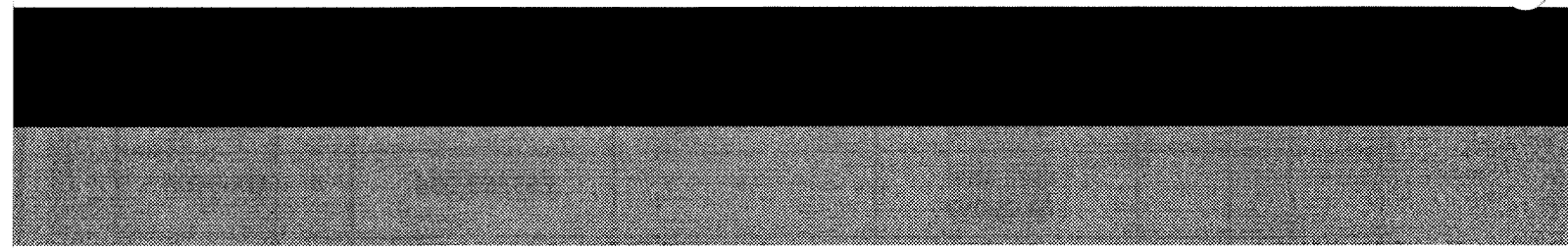


## Warning

1. This equipment has been designed and manufactured to meet international safety standards.
2. It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
3. Repairs must be made in accordance with the relevant safety standards.
4. It is essential that safety critical components are replaced by approved parts.
5. If mains voltage selector is provided, check setting for local voltage.

## Differences between CA-S500(UP) and CA-S500

Page	Item	Parts name	CA-S500	CA-S500(UP)	Q'ty	Discription
4-4	46	Fuse(F002)	QMF51E2-2R0	QMF51E2-1R0J1	1	DX-S500
4-4		Fuse(F003)	QMF51E2-1R0J1	---		DX-S500
		Fuse Label (1A-250V)	---	E61380-036	1	DX-S500
		Fuse Label (1.25A-250V)	---	E61380-034	1	DX-S500
4-4	61	Rear Panel	E208431-018SM	E208431-030SM	1	DX-S500
4-4	65	Power Cord	QMP7520-200	EMP7000-200	1	DX-S500
4-13		Circuit Board	EMW10486-003	EMW10486-004	1	DX-S500
4-21		Circuit Board	EMW10487-002	EMW10487-003	1	DX-S500
4-25		Circuit Board	EMW10457-102	EMW10457-103A	1	DX-S500
5-3	3	Push Button	E208410-001SM	E208410-003SM	1	XT-S500
5-3	22	Rear Panel	E208419-002SM	E208419-001SM	1	XT-S500
5-12		Circuit Board	EMW10459-102A	EMW10459-103A	1	XT-S500
5-16		Circuit Board	EMW10496-002A	EMW10496-003A	1	XT-S500
6-1	1	Instruction Book	E30580-2216A	E30580-2240A	1	
6-1	5	Siemens Plug	V04062-001	---		
6-1		Warranty Card	---	BT-56004-3	1	
6-2	4	Envelope	E300196-103B	E408322-001	1	DX-S500
6-2	5	Envelope	E300196-129B	E408322-002	1	XT-S500



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