

SPEAKER SYSTEM

# CS-77A



OPERATION GUIDE

**PIONEER®**

Thank you for your purchase of Pioneer's Model CS-77A high fidelity speaker system. This versatile component may be used in a single amplifier system it will assure you years of the finest musical enjoyment.

## FEATURES

### "F.B." PROCESS CONE PAPER

The cone paper of the speakers in the Model CS-77A is made with the new "F.B." process, in which pulp and wool fibers are combined. The result is a paper that is more rigid and lightweight. It also provides improved higher frequency characteristics, better transient response and reduced distortion.

### BRILLIANT, DYNAMIC HIGH-FIDELITY REPRODUCTION

The CS-77A delivers rich, distortion-free music over a wide dynamic range, from full bass on up to sparkling, silky highs. It is a 4-way system with one 12" woofer, one 5" mid-range speakers, one 3" tweeter and one multicellular horn tweeter for very high frequencies.

### EFFICIENT DIVIDING NETWORK DESIGN

The design of the dividing network is extremely important in speaker systems. In the CS-77A special consideration has been given to this network. Wound on a ferrite core is a high-Q inductance coil, for better transient response. The crossover frequency is lower for clean bass and mid-range tone.

### SOPHISTICATED CABINET DESIGN

The CS-77A is an attractive piece of furniture as well, with its lattice grille and polished walnut. Its convenient dimensions allow it to be placed either on the floor or on a bookshelf, and it operates either vertically or horizontally. Removal of the grille is simplicity itself.

## CONNECTION WITH A STEREO AMPLIFIER

Connect the positive (+) output terminal of your amplifier with the positive (+) input terminal of the CS-77A and the negative to negative. Do not reverse these polarities.

(Fig. 1)

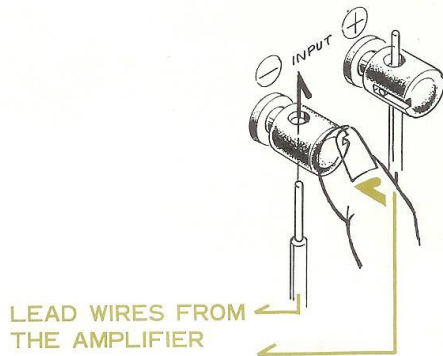
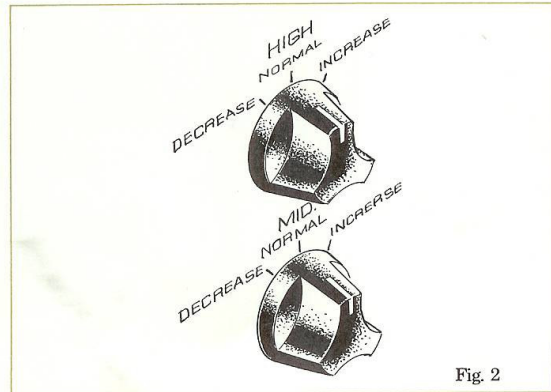


Fig. 1

## LEVEL CONTROL ADJUSTMENT

First set the tone control knobs of your amplifier to FLAT position, and the loudness switch OFF. Then set the level controls of the CS-77A to the position that gives you the tone quality you like best.

There are two level controls, one for the mid-range and one for the highs. When both the level controls are set to NORMAL, they will provide a standard flat response. When set to INCREASE, they will increase mid range about 1.5dB and highs about 2dB as against NORMAL respectively. Conversely, when set to DECREASE, they will damp mid range about 1.5dB and highs about 2dB as against NORMAL respectively.



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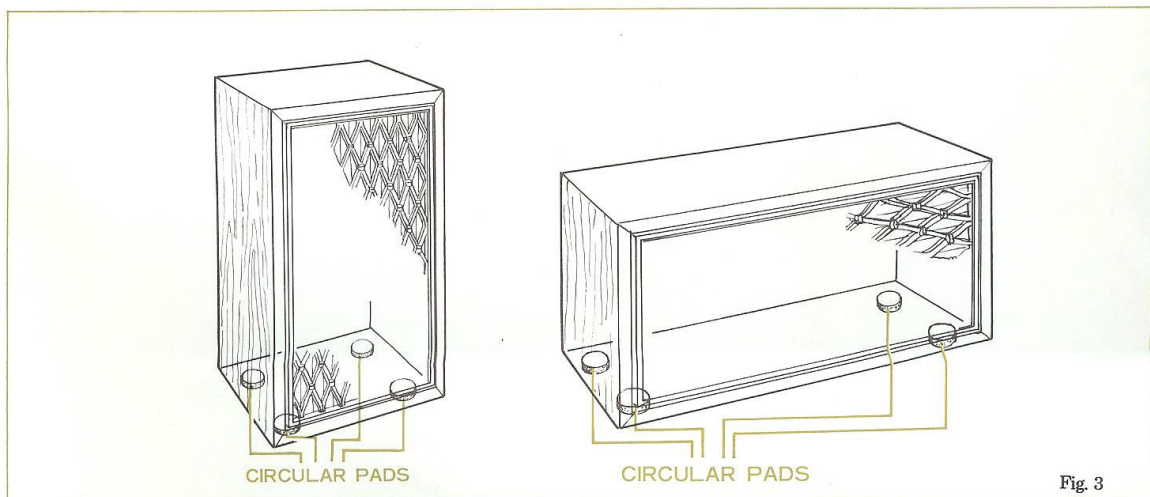
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## INSTALLATION

When you install the CS-77A on the floor, be sure to attach the four furnished circular pads to the bottom as shown in Fig. 3

## NOTE

- \* The impedance of the CS-77A is 8 ohms. When the output terminal impedance of your amplifier ranges from 4 to 16 ohms, it can be used with the CS-77A.
- \* Wax the cabinet, polishing it with a soft, dry cloth, about once every 3~4 months. This will maintain the fine finish of the cabinet.
- \* Do not feed a very high signal or "click" noise to the CS-77A when the back is removed.

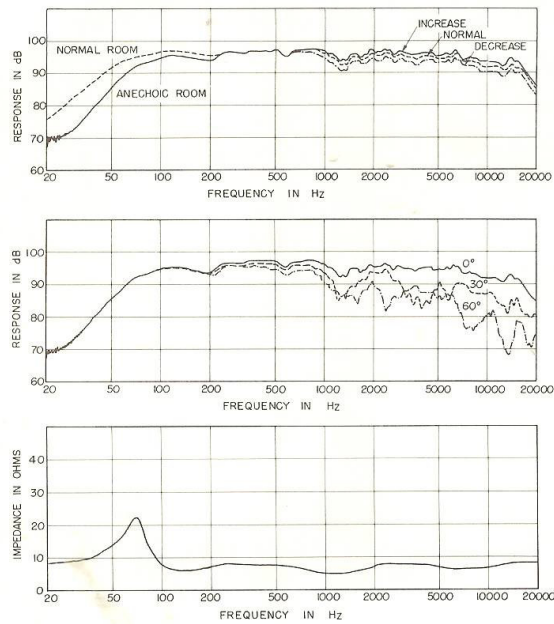


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**SPECIFICATIONS**

Enclosure	Totally enclosed type
Speakers	
Woofer	12" (30 cm) cone type
Mid range	5" (12 cm) cone type
Tweeter	3" (7.7 cm) cone type
Super tweeter	Multicellular horn type
Crossover frequency	
Lows ..... Mid ranges	450 Hz
Mid ranges ..... Highs	3,600 Hz
Highs .... Super Highs	10,000 Hz
Input impedance	8Ω
Frequency range	35 ~ 20,000 Hz
Sensitivity	95 dB/W (at/1m distance)
Maximum input power	65 W
External dimensions	636(H) x 366(W) x 320(D)mm
	25" (H) x 14 13/32" (W) x
	12 19/32" (D)
Weight	17 kg (37 lb 6 oz)

NOTE: Specifications and the design subject to possible modification without notice due to improvements.



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### 使用方法

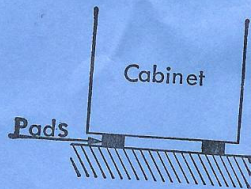
パットの台紙をはがして貼って下さい。

**HOW TO USE THE PAD**  
Peel off the paper attached on the adhesive side of the pad first, and then put the pad onto the cabinet following the instructions right.

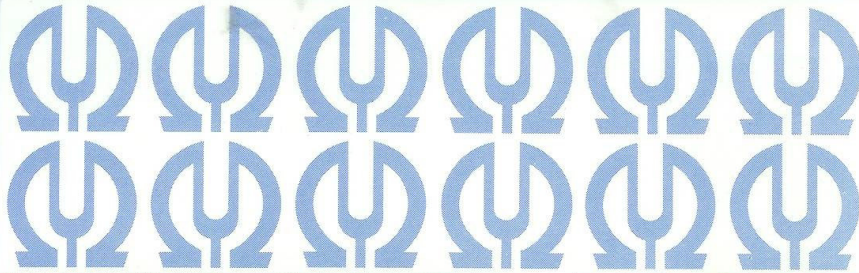
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### 置く場合

When you place the cabinet on the floor.



◀E11-048-A▶



## WARRANTY CARD

FOR U.S. MILITARY PERSONNEL ONLY

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Every quality PIONEER audio product sold by Exchanges anywhere in the Far East Area carries the full factory authorized warranty of PIONEER ELECTRONIC CORPORATION.

