

BOGEN-PRESTO

P.O. BOX 500, PARAMUS, N.J.—A DIVISION OF THE SIEGLER CORPORATION

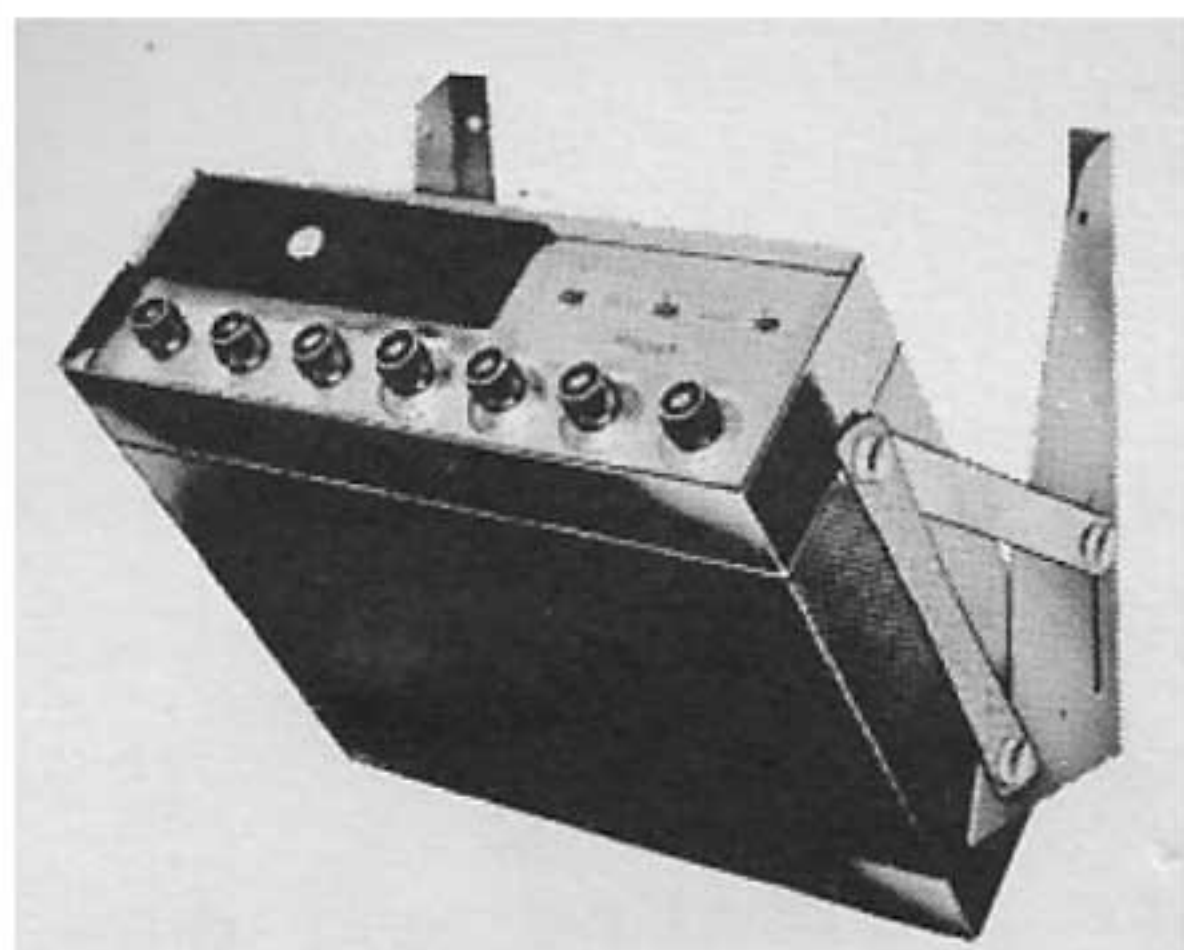


MODEL MXM
MIXER — PRE-AMPLIFIER

OPERATING INSTRUCTIONS

MODEL MXM

ACCESSORIES



MODEL LWM WALL-MOUNTING KIT

The Bogen LWM Wall-Mounting Kit keeps your equipment ready when you need it, yet safely, neatly out of the way when not in use. You can set your unit flat against the wall when idle or at any angle for operation. Kit is provided complete with all hardware, mounting template and instructions.

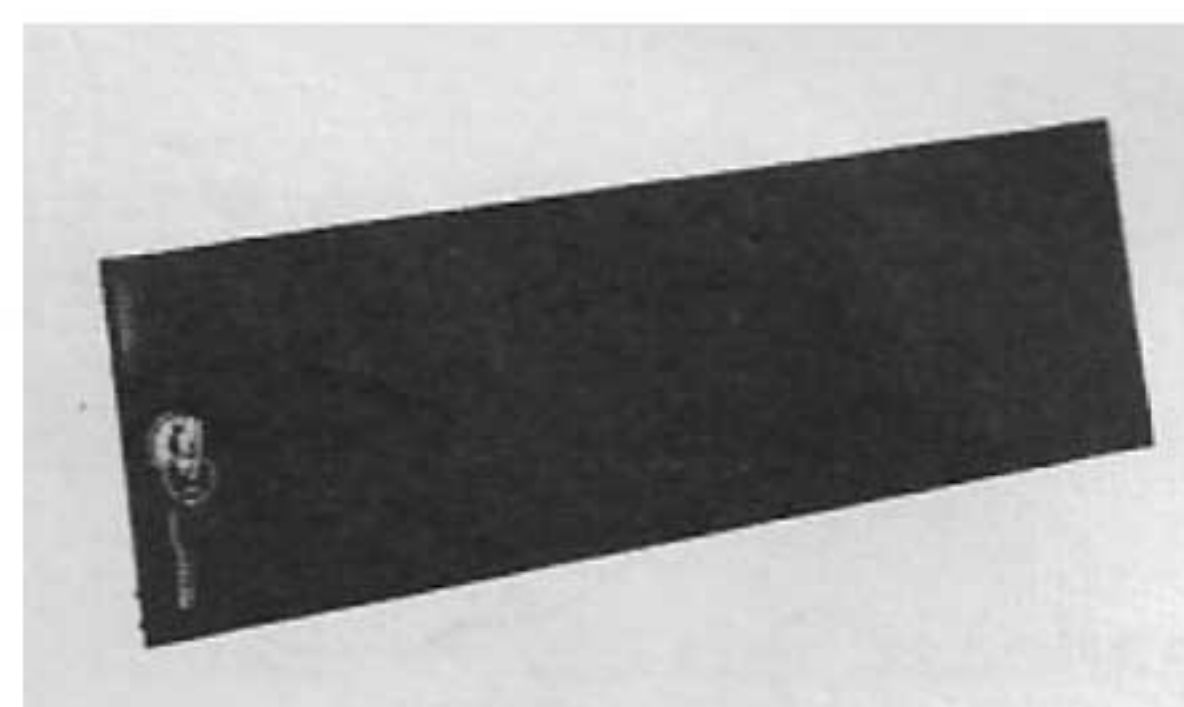
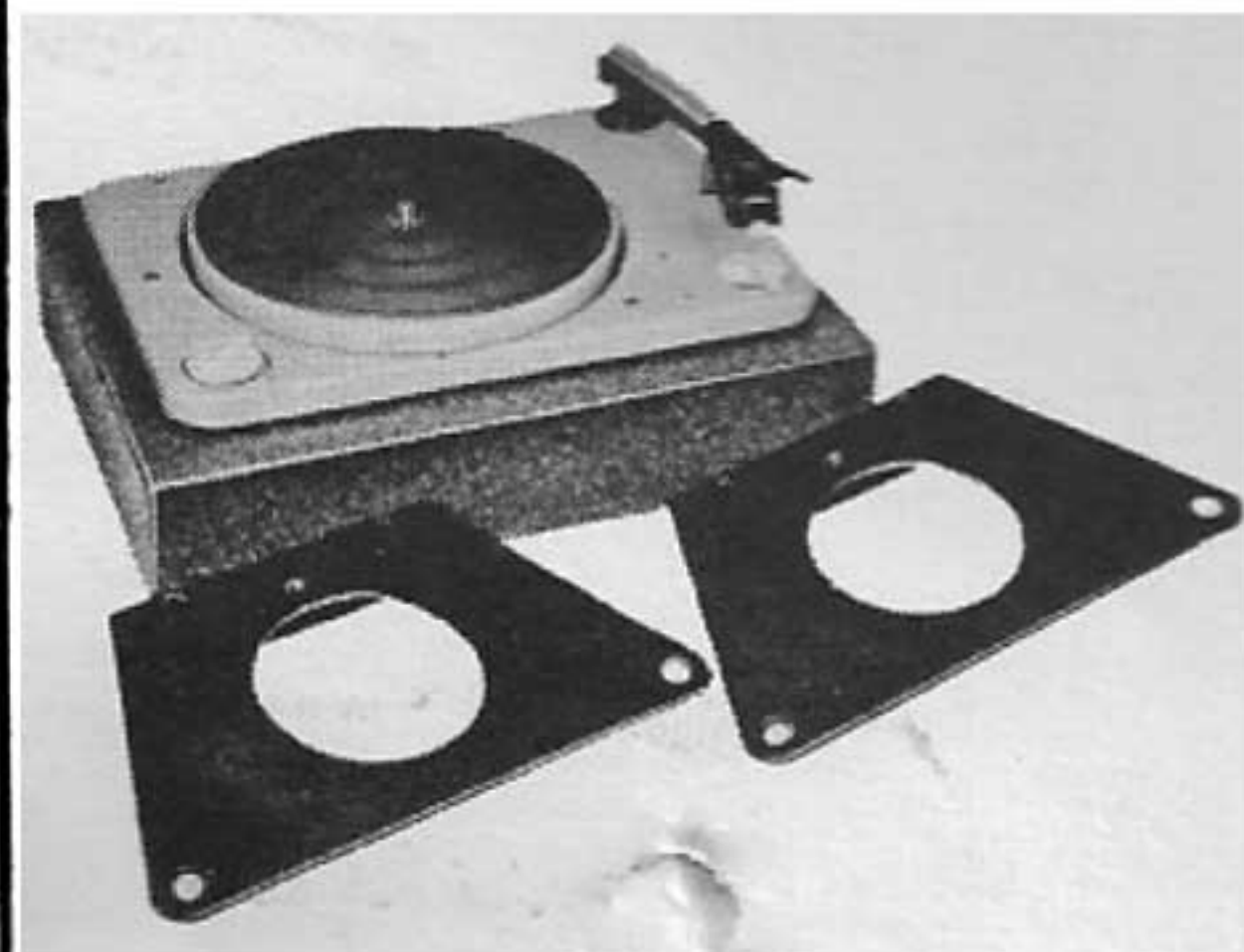


PLUG-IN TRANSFORMERS

Bogen microphone transformers have been especially designed for plug-in use with your unit. Model T155 - 200 ohms; Model T156 - 500 ohms; Model T157 - 50 ohms.

PHONO PLAYER TOPS

Bogen phono player tops come in kits consisting of phono top, mounting brackets and all necessary hardware. Two types are available. Both are easily installed without tools and can be ordered with the amplifier or at any subsequent time. Model LPB-3 includes a 3-speed manual phono player complete with tone arm and Ronette turnover cartridge. Model LPB-4 is a deluxe kit and includes a 4-speed vibration-isolated, manual phono player with variable speed control, tone arm and Ronette turnover cartridge.



CONTROL GUARD LOCKING PLATE

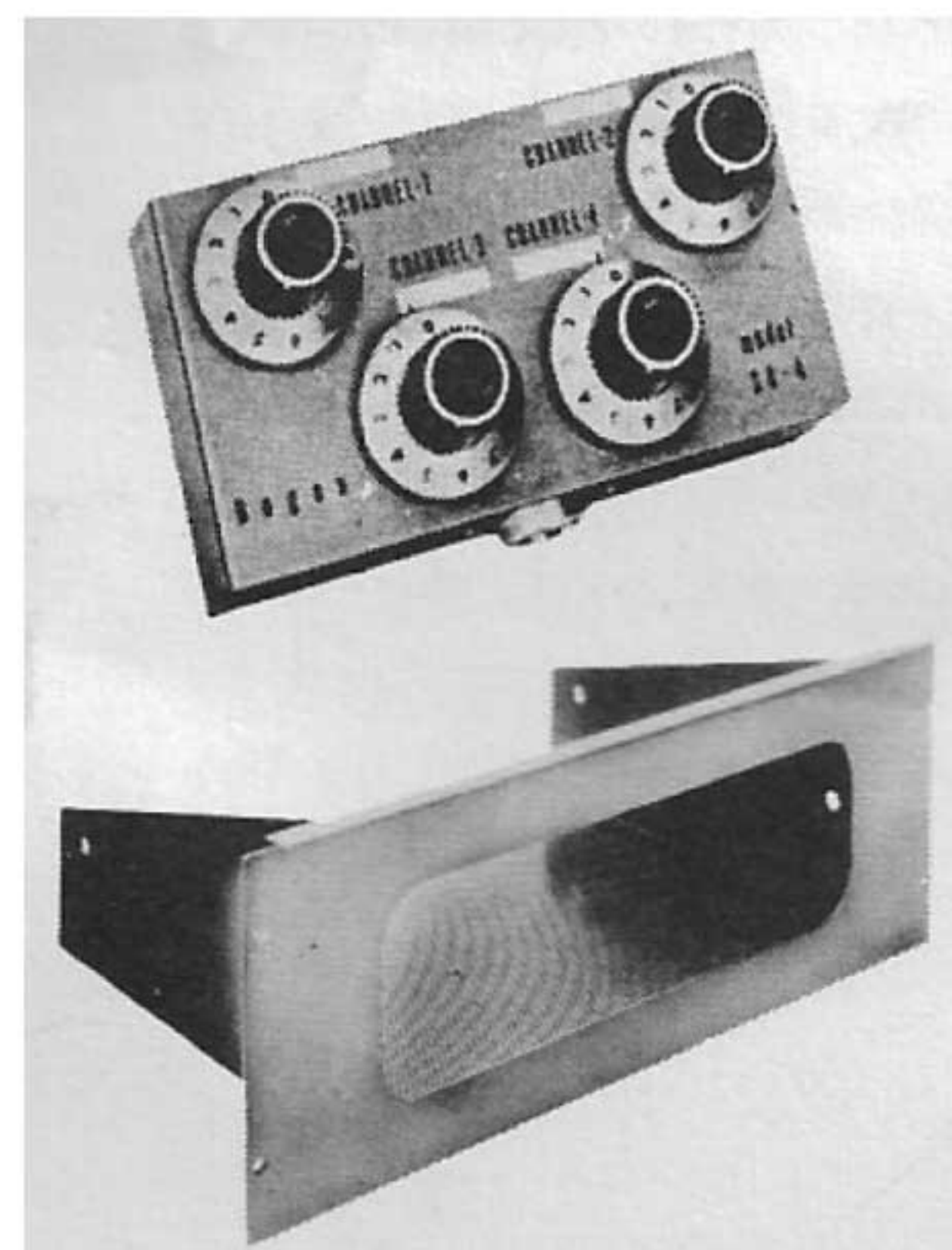
Bogen models LK-2 and LK-4 Control Guard Locking Plates assure you that tampering fingers will never disturb your advance settings. Comes complete with all necessary hardware and a set of two keys. Use model LK-4 when using model LWM wall mounting kit. Use model LK-2 at all other times.

REMOTE VOLUME CONTROL UNITS

Models SR-2 (two channel) and SR-4 (four channel) increase the flexibility of your amplifier by permitting remote control of volume. These units permit you to mix and fade channels, and make frequent changes in gain, even from distances up to 2,000 feet, without sacrificing power or signal quality.

MODEL RPK-4 RACK PANEL MOUNTING KIT

Model RPK-4 Rack Panel Mounting Kit is available to mount your equipment in any standard 19" Rack Panel. Panel includes all necessary cutouts and mounting instructions. Panel size is 19" x 7".



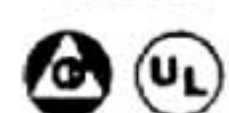
BOGEN POWER AMPLIFIERS DESIGNED FOR USE WITH MXM



MO100

MO100, 100-watt Booster Amplifier

... provision for balanced low impedance line input ... provision for remote control of standby operation. **INDUSTRIAL RATING:** can be used as 100-watt source of continuous power between 50 and 20 KC (with distortion below 2%)



SPECIFICATIONS

power output: 100 watts at less than 2% distortion.
power consumption: 300 watts.
frequency response: ± 2 db, 35 to 70,000 cycles.
input: (1) high impedance: .1 megohm. With low impedance transformer (T161): 500 ohms.
sensitivity: high impedance: 2 volt; low impedance (with T161 transformer): 0.5 volts.
hum: (below rated output): -80 db.
output impedance: 1.6, 6.25 and 49 ohms, balanced 25-volt line, 70-volts, 115-volts.
tubes: total 8. 1-GZ34, 1-EZ81, 2-6550, 1-6C4, 1-12AX7, 2-15AR4.
overall dimensions: 17 $\frac{1}{4}$ " wide, 9" deep, 7 $\frac{3}{4}$ " high.
shipping weight: 35 lbs.

MO series booster amplifiers

Bogen's new MO series booster amplifiers embody the most advanced developments in design and techniques of construction. They are ideal for sound systems in industrial plants, airports, stadia, shipyards ... wherever undistorted high power is re-

quired. Note their exceptionally wide-range frequency response characteristics. Built-in provision for paralleling several MO series power amplifiers to multiply power output.

MO60, 60-watt Booster Amplifier

... provision for balanced low impedance line input ... provision for remote control of standby operation.



SPECIFICATIONS

power output: 60 watts at less than 2% distortion.
power consumption: 260 watts.
frequency response: ± 2 db, 35 to 20,000 cycles.
input: (1) high impedance: .1 megohm. With low impedance transformer (T161): 500 ohms.
sensitivity: high impedance: 2 volts; low impedance (with T161 transformer): 0.5 volts.
hum: (below rated output): -80 db.
output impedance: 4, 8, 16 and 82 ohms, balanced 25-volt line, 70-volt line.
tubes: total 7. 3-GZ34, 2-7027A, 1-12AX7, 1-6C4.
overall dimensions: 17 $\frac{1}{4}$ " wide, 6 $\frac{1}{2}$ " deep, 7 $\frac{3}{4}$ " high.
shipping weight: 23 lbs.

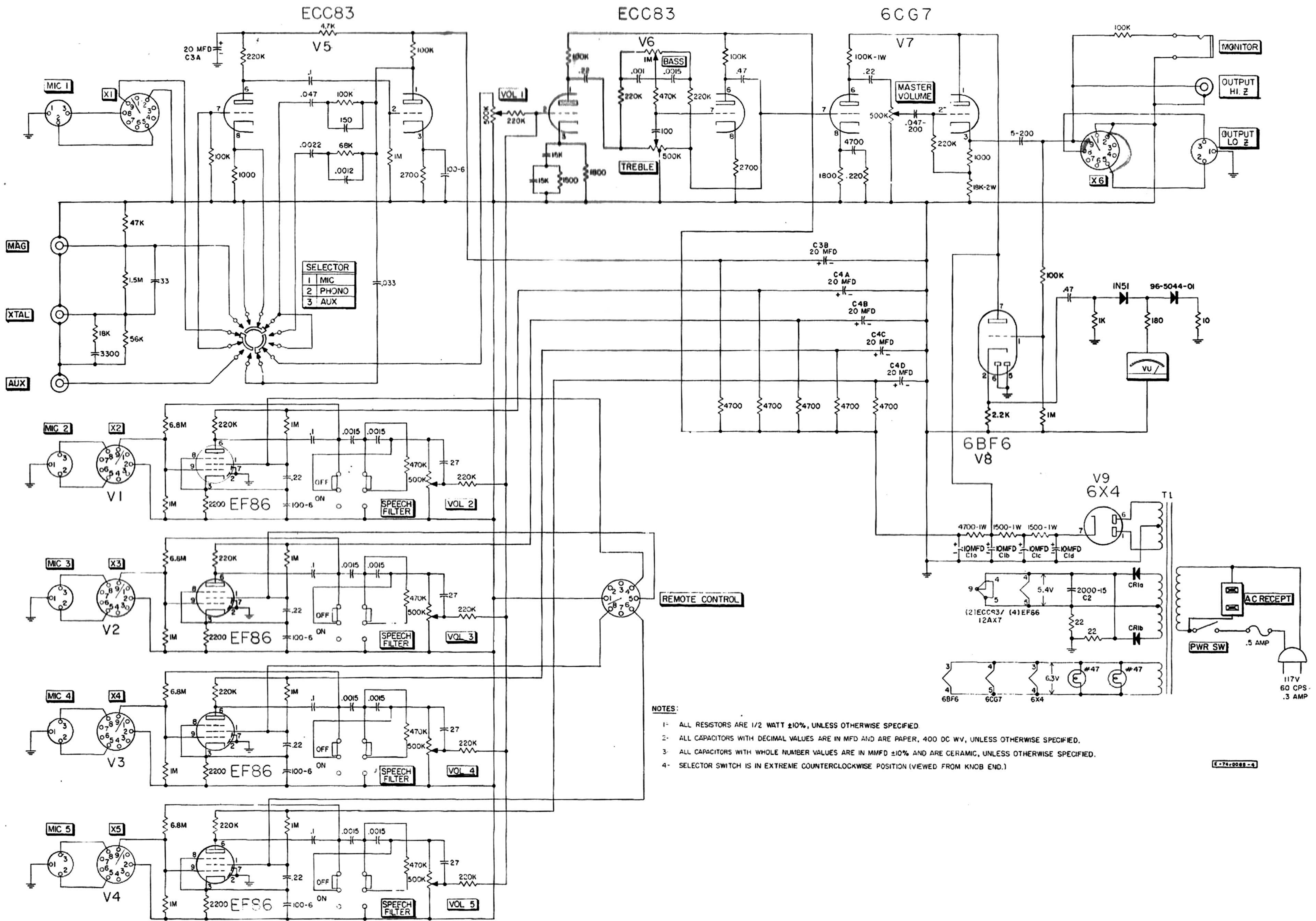
MO30, 30-watt Booster Amplifier

... provision for balanced low impedance line input.



SPECIFICATIONS

power output: 30 watts at less than 2% distortion.
power consumption: 150 watts.
frequency response: ± 2 db, 35 to 20,000 cycles.
input: 1 high impedance: .1 megohm. With low impedance transformer (T161): 500 ohms.
sensitivity: high impedance: 2.0 volt, low impedance (with T161 transformer): 0.5 volts.
hum: (below rated output): -80 db.
output impedance: 4, 8, 16 and 163 ohms, balanced 25-volt line, 70-volt line.
tubes: total 5. 1-GZ34, 2-6L6GC, 1-12AX7, 1-6C4.
overall dimensions: 17 $\frac{1}{4}$ " wide, 6 $\frac{1}{2}$ " deep, 7 $\frac{3}{4}$ " high.
shipping weight: 21 lbs.



- NOTES:
- 1- ALL RESISTORS ARE 1/2 WATT ±10%, UNLESS OTHERWISE SPECIFIED.
 - 2- ALL CAPACITORS WITH DECIMAL VALUES ARE IN MFD AND ARE PAPER, 400 DC WV, UNLESS OTHERWISE SPECIFIED.
 - 3- ALL CAPACITORS WITH WHOLE NUMBER VALUES ARE IN MMFD ±10% AND ARE CERAMIC, UNLESS OTHERWISE SPECIFIED.
 - 4- SELECTOR SWITCH IS IN EXTREME COUNTERCLOCKWISE POSITION (VIEWED FROM KNOB END.)

E-7420088-4

SCHMATIC DIAGRAM, MXM

SERIES NUMBER

Bogen-Presto periodically reviews and modifies all products to incorporate the latest engineering changes. Therefore, to answer your questions properly, we must know the Series Number of the model you have. The Series Number is imprinted on the rear of your set, appearing in the rectangle immediately following the word SERIES. Include this number in all correspondence concerning this equipment.

IF TROUBLE OCCURS

If trouble ever develops with your unit, please do not hesitate to ask our advice or assistance. We are interested in your Bogen-Presto unit for as long as you have it. Information can be obtained by writing to: Service Department, Bogen-Presto, P. O. Box 500, Paramus, New Jersey.

When communicating with us give the model number and serial number of your unit. Completely describe the difficulty encountered. Describe the effects each operating control has upon the symptoms of trouble. Include details on electrical connections to associated equipment and list such equipment.

When we receive this information we will send you service information if the trouble appears to be simple (e.g. bad vacuum tube, incorrect connections). If trouble requires servicing, we shall send you the name and address of the nearest Bogen authorized service agency to which you can send your unit for repair.

When shipping your unit, pack instrument well using the original shipping carton and filler material to prevent damage in transit. Send unit, fully insured and prepaid, via railway express. Do not ship via parcel post unless so instructed. The unit will be promptly repaired and returned to you via express collect.

REPLACEMENT PARTS

The components used in BOGEN equipment, with exception of items listed below, are standard parts available through all reputable parts jobbers. However several parts are custom-made to strict BOGEN specifications and should be replaced only with genuine

BOGEN parts. These custom-made parts are listed here and are available through BOGEN-PRESTO distributors, service agencies or direct from the factory.

When ordering parts specify part number, description of part and model number.

Ref. No.	Description
79-010-022	Capacitor, Electrolytic, 2000 Mfd, 15 V.
79-010-015	Capacitor, Electrolytic, 4x10 Mfd, 450 V.
79-010-018	Capacitor, Electrolytic, 4x20 Mfd, 350 V.
77-001-376	Control, Bass
77-001-375	Control, Treble
77-001-377	Control, Master Gain
77-001-367	Control, Mic and Input 1 Volume
22-5013-21	Cover, Bottom
22-5014-11	Cover, Top
14-9001-01	Feet, Felt
12-4502-02	Handle, Strap

Ref. No.	Description
70-8026-01	Thumb Screw, top cover
02-9006-01	Indicator, Knob
03-0525-01	Knob
03-0536-01	Knob Assy (includes scale)
94-1033-01	Meter, v.u.
45-9305-01	Plug Assy. Shorting
85-0125-01	Receptacle, Microphone
86-0013-01	Rectifier, Selenium
23-5126-01	Shield, Lamp front panel
81-001-500	Switch, Selector
81-003-002	Switch, Speech Filter
83-501-110	Transformer, Power

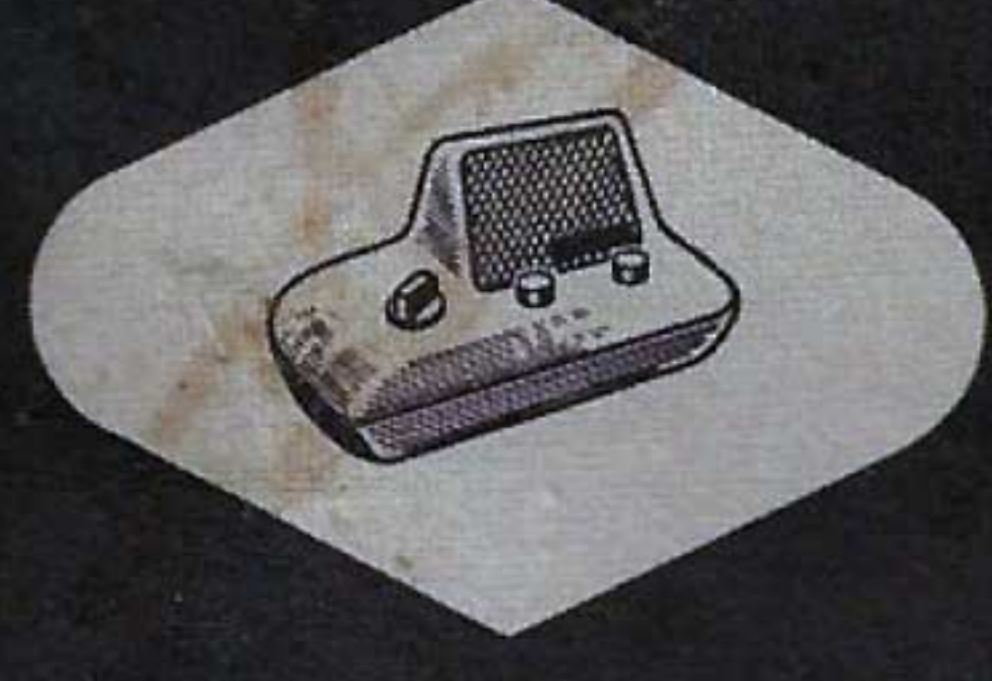
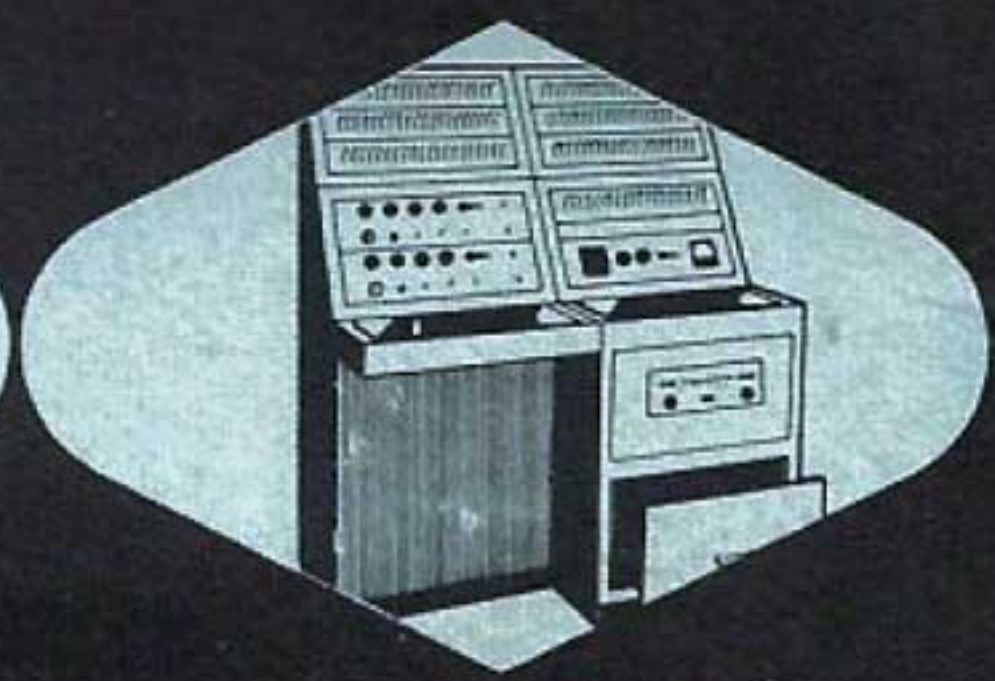
LEAR SIEGLER, INC.



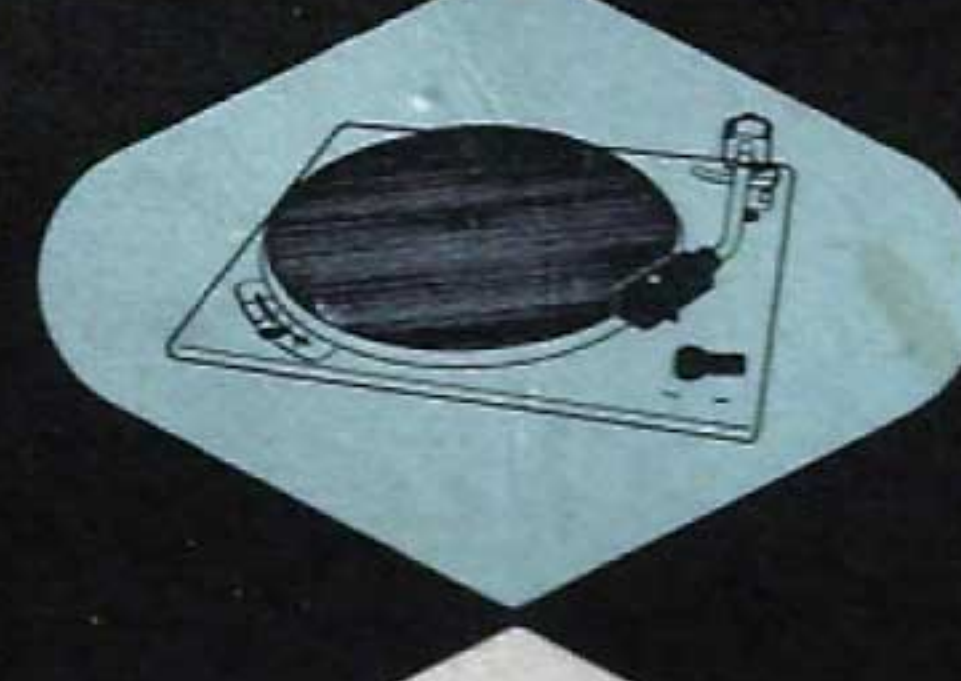
BOGEN COMMUNICATIONS DIVISION
P.O. BOX 500
PARAMUS, NEW JERSEY



SOUND
SYSTEMS



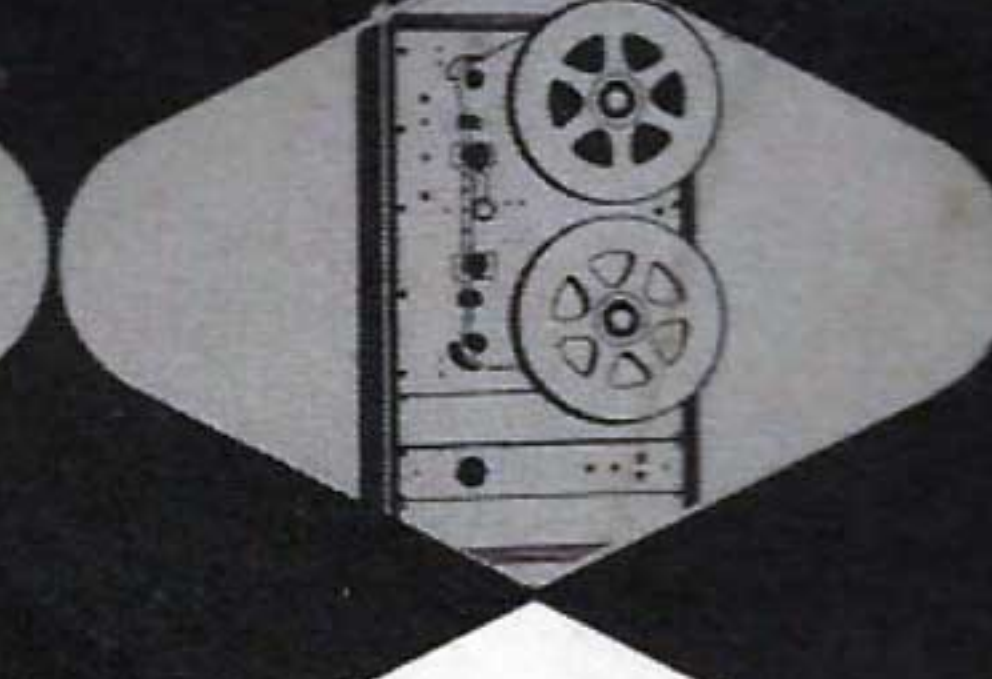
INTERCOMS



HIGH FIDELITY
COMPONENTS



PROFESSIONAL
EQUIPMENT



BOGEN

PRESTO

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