

**WIRE RECORDER MODEL 79  
FOUNDATION UNIT**

**WEBSTER**  **CHICAGO**

to remove the over-magnetization before recording on the wire again.

**SERVICE NOTES**

The Model 79 Wire Recorder mechanism is carefully adjusted and lubricated before shipment. Additional lubrication should be added approximately every six months as explained in detail in the Service Manual.

Be careful to keep the rubber surfaces of the idler

wheels and the face of the drums free of oil. Any lubricant on these surfaces should be removed immediately with carbon tetrachloride.

Dust will gradually accumulate in the recording head groove. This will cause noise and scratch sounds on the recording and during playback. Remove the dust by means of a small brush and carbon tetrachloride.

Should specific service problems arise, consult the service manual for additional suggestions.

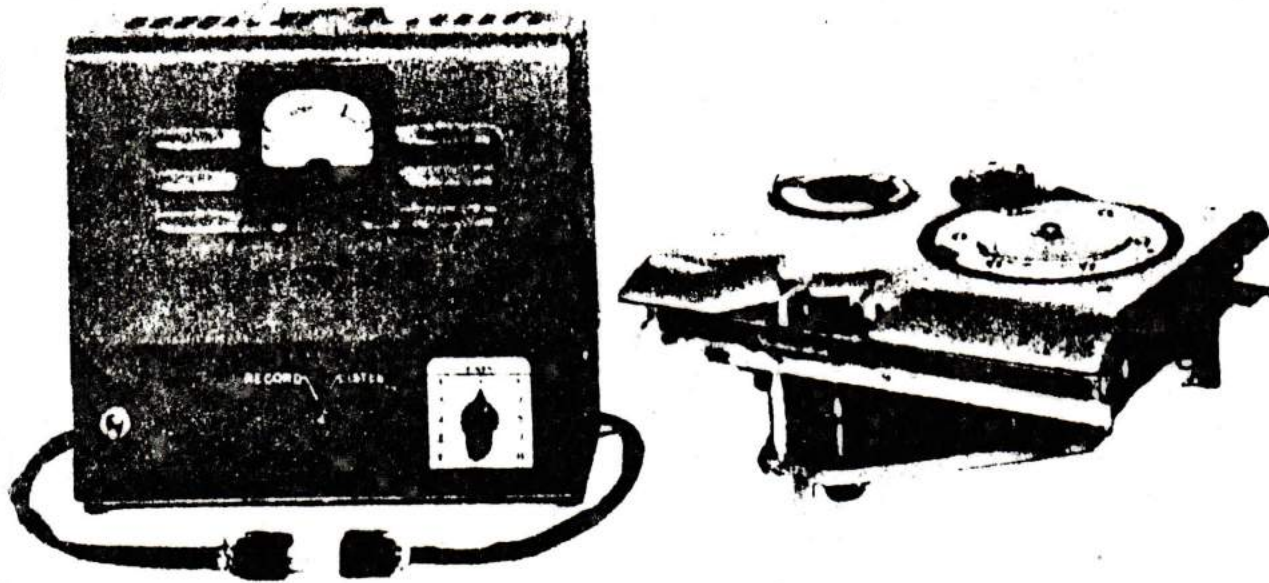


Fig. 9 — The circuit suggested in Fig. 3 can be assembled in an attractive chassis and cover as above and Fig. 4 or assembled and mounted to suit the constructor's convenience.

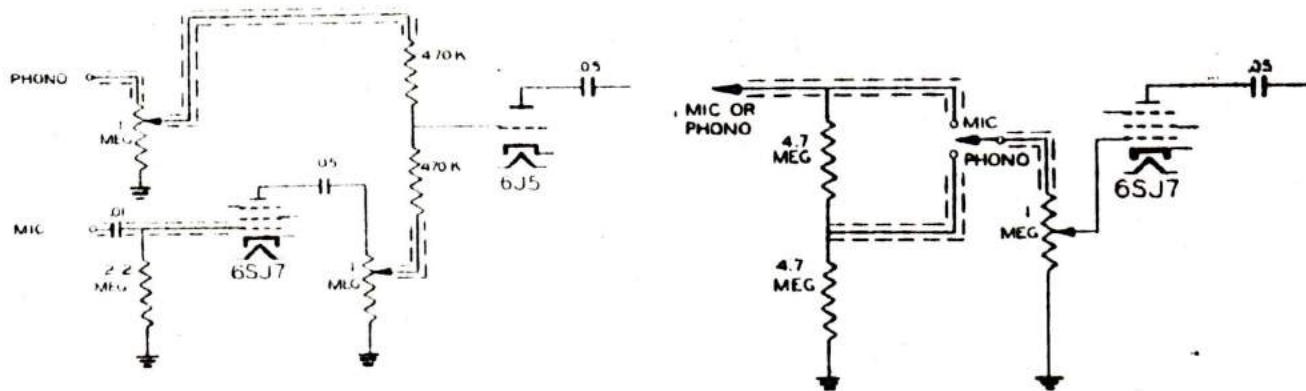


Fig. 10 — Possible Input Circuit Variations



## ACCESSORIES

All accessories should be ordered through the dealer from whom you purchased the Model 79 Foundation Unit, or principal radio parts distributors throughout the country.

**WIRE** — Stainless steel wire is supplied as standard equipment with the Model 79 because of its desirable characteristics of high tensile strength, flexibility and small size (.004") which permits a full one hour recording on a single spool. Packed in a box suitable for mailing or storage.



- Part No. W-173 for 15 minutes of recording.
- Part No. W-174 for 30 minutes of recording.
- Part No. W-175 for one hour of recording.
- Part No. W-077 empty spool (Bakelite — 15 min. capacity).
- Part No. W-095 empty spool (Die cast — 1 hour capacity).

**MICROPHONE** — Part MM-35. A sensitive crystal, hand type microphone, complete with 8 ft. cord. (Standard equipment for the Model 80 Wire Recorder.)



**INPUT CORD ASSEMBLY** — Part No. CA-925. Connects a radio tuner or phono pickup to the input through a Jones plug No. 303-AB.

**OUTPUT CORD ASSEMBLY** — Part No. CA-925. Connects the output to an external amplifier. Fitted with a Jones plug No. 302-AB.



**MODEL 165 AUTOMATIC RECORD CHANGER** — With this portable record changer, you can record discs directly on wire through the wire recorder. Can also be used to play records thru radio or external amplifier such as Model 66.

**MODEL 66 PORTABLE AMPLIFIER** — Increased volume and better tone can be obtained from the wire recorder when played through a Model 66 amplifier. Has 8-inch speaker and push-pull, 8 watt amplifier in matching case. Model 165 portable record changer can be used directly with this amplifier.





## SUGGESTED PARTS LIST FOR WIRE RECORDER AMPLIFIER

Part No.	Description
R-1	68M ohm 1/2 watt — Carbon resistor
R-2	4.7 megohm 1/2 watt — Carbon resistor
R-3	47M ohm 1/2 watt — Carbon resistor
R-4	220M ohm 1/2 watt — Carbon resistor
R-5	220M ohm 1/2 watt — Carbon resistor
R-6	1 megohm — Volume control
R-7	35M ohm 1/2 watt — Carbon resistor
R-8	39M ohm 1/2 watt — Carbon resistor
R-9	470 ohm 1 watt — Carbon resistor
R-10	250M ohm — Volume control
R-11	15M ohm 1/2 watt — Carbon resistor
R-12	820 ohm 1/2 watt — Carbon resistor
R-13	68M ohm 1/2 watt — Carbon resistor
R-14	270 ohm 1 watt — Fixed resistor
R-15	10M ohm 20 watt — Fixed resistor
R-16	920 ohm 1/2 watt — Carbon resistor
R-17	100M ohm 1/2 watt — Carbon resistor
C-1	.001 mfd 600V — Paper condenser
C-2	.01 mfd 400V — Paper condenser
C-3	.02 mfd 400V — Paper condenser
C-4	10 mfd 25V — Electrolytic condenser
C-5	.02 mfd 400V — Paper condenser
C-6	.5 mfd 400V — Paper condenser
C-7	.002 mfd 400V — Paper condenser
C-8	.002 mfd 400V — Paper condenser
C-9	.01 mfd 600V — Mica condenser
C-10	.002 mfd 600V — Mica condenser
C-11	.002 mfd 600V — Mica condenser
C-12-15	20-20 mfd 450V — Electrolytic condenser (vertical)
C-13-14	20-20 mfd 450V — Electrolytic condenser (vertical)
C-16	.05 mfd 400V — Paper condenser
C-17	.05 mfd 400V — Paper condenser
	5" x 10" x 9" chassis and cover
	Bottom plate
	4 octal sockets
T-1	Stancor No. P6119 power transformer or equivalent
T-2	Stancor type No. C1003 — Filter choke or equivalent
T-3	Stancor type No. A3877 — Output transformer or equivalent
	6X7 tube
	6SN7 tube
	6X5 tube
SW-1	Mullory 1 gang, 4 position, non shorting switch type 1312L
P-1	Jones socket and plug 3 contact No. 303-AB
P-2	Jones socket and plug contact No. 302-AB
P-3	Extractor fuse post and 1 amp fuse
SW-2	S. P. S. T. toggle switch
	Pilot light and Jewell socket
	Switch knob
	Volume control knob
	Dial plate for volume control
	Hookup wire
	Mtg. bracket for R-10
RFC	10MH R. F. choke
M-1	0-500 Microammeter Triplett model 327T or equivalent
MR-1	Conant meter rectifier, series 160 or equivalent
MM-35	Webster-Chicago crystal microphone or any high impedance crystal or dynamic microphone with output level of -55DB or better.