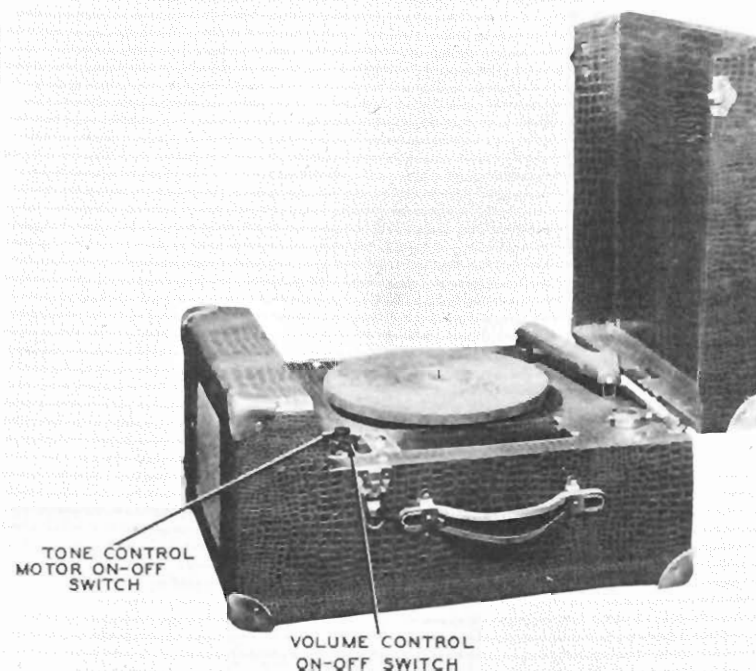
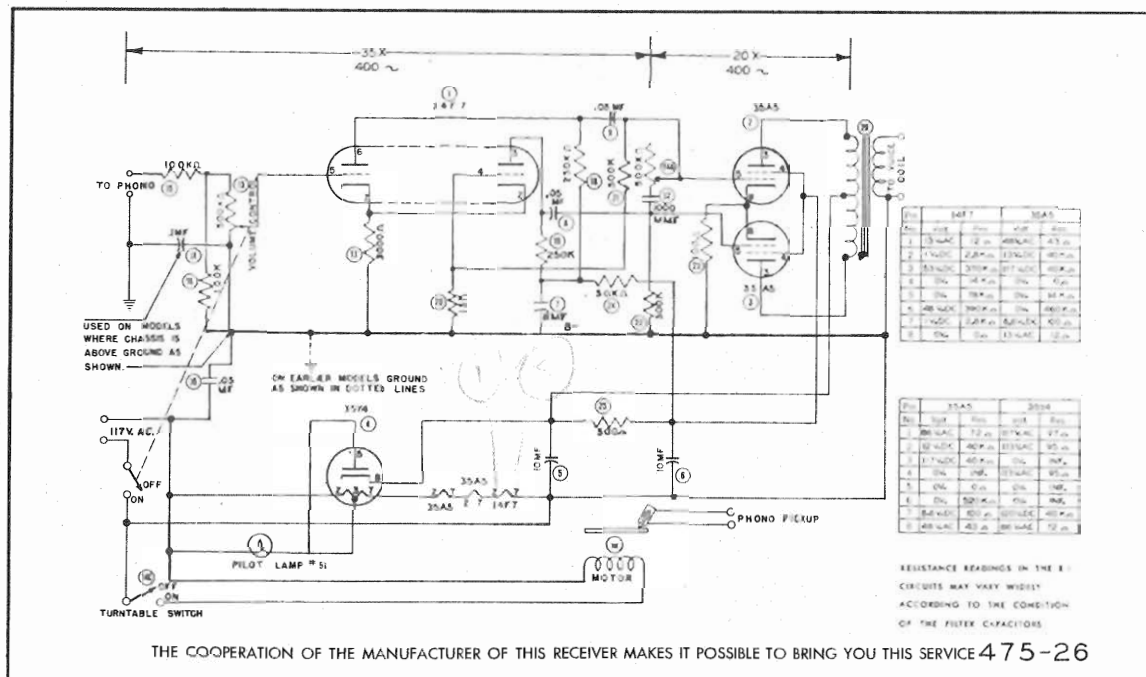


REGAL
MODELS AP 40, ARP 400, ARP 450



REGAL
MODELS AP 40, ARP 400, ARP 450

TRADE NAME Regal, Models AP40, ARP400, ARP450
MANUFACTURER Regal Electronics Corp., 20 W. 20th St., New York, N.Y.
TYPE SET AC Operated Phonograph with 4 tube Amplifier & Speaker
TUBES (FOUR) Types, 14F7 AF Amp.-Phase Inverter, (2) 35L6GT or 35A5 Power Output, 35Z5GT or 35Y4 Rectifier.
POWER SUPPLY 110-120 Volts AC RATING .280 Amp. @ 117 Volts AC



1. DC Voltage measurements are at 20,000 ohms per volt; AC Voltages measured at 1,000 ohms per volt.
2. Socket connections are shown as bottom views.
3. Measured values are from socket pin to common negative.
4. Line voltage maintained at 117 volts for voltage readings.
5. Nominal tolerance on component values makes possible a variation of $\pm 10\%$ in voltage and resistance readings.
6. Volume control at maximum, no signal applied for voltage measurements.

HOWARD W. SAMS & CO., INC. • 2924 East Washington Street • Indianapolis 6, Indiana

"The listing of any available replacement part herein does not constitute in any case a recommendation, warranty or guaranty by Howard W. Sams & Co., Inc., as to the quality and suitability of such replacement part. The numbers of these parts have been compiled from information furnished to Howard W. Sams & Co., Inc., by the manufacturers of the particular type of replacement part listed."

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PARTS LIST AND DESCRIPTIONS

TUBES

ITEM No.	USE	REPLACEMENT DATA		BMA BASE TYPE	INSTALLATION NOTES
		REGAL PART No.	STANDARD REPLACEMENT		
1	AF Amp. Phase Inverter	14F7	14F7	8AC	Lock-in type Octal Type
2A	Power Output	35A5	35A5	8AA	
3A	"	35L6GT	35L6GT	7AC	
3B	"	35A5	35A5	8AA	
4A	Rectifier	35L6GT	35L6GT	7AC	
5	"	35Y4	35Y4	8AL	
6	"	35Z5GT	35Z5GT	8AD	

CAPACITORS

Capacity values given in the rating column are in mfd. for Electrolytic and Paper Capacitors, and in mmfd. for Mica and Ceramic Capacitors.

ITEM No.	RATING	REPLACEMENT DATA				IDENTIFICATION CODES AND INSTALLATION NOTES
		REGAL PART No.	SPRAGUE PART No.	CORNBELL DUBILIER PART No.	SOLAR PART No.	
5	10 450	UT-121	FRS150-12	FR1215	TC42	Filter
6	10 450	UT-121	FRS150-12	FR1215	TC42	Filter
7	8 150	UT-81	FRS150-8	FR815	TC42	Filter
8	.05 500	TC-15	484-05	TR455	TC428	Audio Plate Decoupling
9	.05 500	TC-15	484-05	TR455	TC428	Audio Coupling
10	.05 200	TC-15	484-05	TR455	TC428	Line Filter
11	.05 200	TC-15	484-05	TR455	TC428	Line Isolation
12	1000 500	TC-21	484-01	TR451	TC428	Tone Compensation

CONTROLS

ITEM No.	RATING	REPLACEMENT DATA				INSTALLATION NOTES
		REGAL PART No.	MALLORY PART No.	IRC PART No.	CLAROSTAT PART No.	
13A	500KΩ 1	Not Req.	Not Req.	D13-133	M-50-2	Volume Control & AF Switch Attach to 13A per instructions
14A	500KΩ 1	Not Req.	Not Req.	D13-133	M-50-2	Tone Control & turntable switch Attach to 14A per instructions

RESISTORS

ITEM No.	RATING	REPLACEMENT DATA		IDENTIFICATION CODES
		REGAL PART No.	IRC PART No.	
15	100KΩ	RTS-100K	RTS-100K	Br.-Blk.-Yl. Series Phone
16	100KΩ	RTS-100K	RTS-100K	Br.-Blk.-Yl. Series Phone
17	500KΩ	RTS-500K	RTS-500K	Br.-Blk.-Yl. Series Phone
18	500KΩ	RTS-500K	RTS-500K	Br.-Blk.-Yl. Series Phone
19	500KΩ	RTS-500K	RTS-500K	Br.-Blk.-Yl. Series Phone
20	15KΩ	RTS-15K	RTS-15K	Br.-Blk.-Yl. Series Phone
21	500KΩ	RTS-500K	RTS-500K	Br.-Blk.-Yl. Series Phone
22	500KΩ	RTS-500K	RTS-500K	Br.-Blk.-Yl. Series Phone
23	100KΩ	RTS-100K	RTS-100K	Br.-Blk.-Yl. Series Phone
24	47KΩ	RTS-47K	RTS-47K	Br.-Blk.-Yl. Series Phone
25	500KΩ	RTS-500K	RTS-500K	Br.-Blk.-Yl. Series Phone

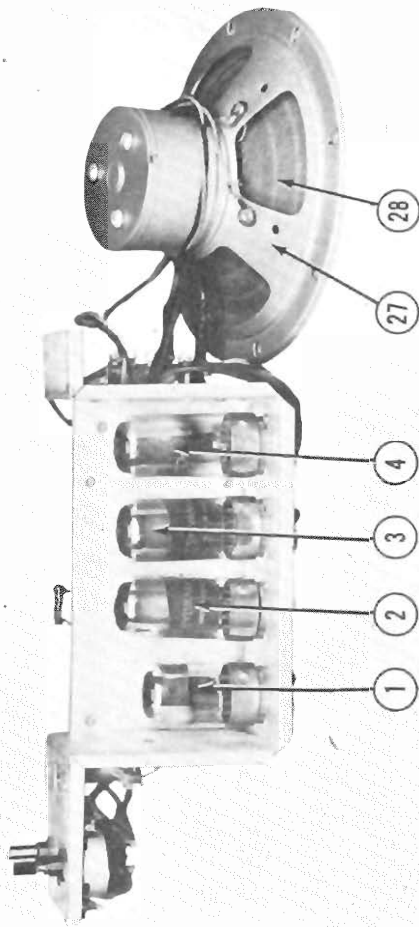
TRANSFORMER (OUTPUT)

ITEM No.	RATING	REPLACEMENT DATA		INSTALLATION NOTES
		REGAL PART No.	STANCOR PART No.	
26	5000 50 CT	722540	A-3555	

SPEAKER

ITEM No.	RATINGS	REPLACEMENT DATA		INSTALLATION NOTES
		REGAL PART No.	JENSEN PART No.	
27	FIELD PM 50	ST-110*	ST-110*	*Replace output transformer to match 3.22 voice coil.
28	1000 DIA. 5/8"	NOT READILY REPLACEABLE	USE COMPLETE SPEAKER UNIT	

CHASSIS--TOP VIEW



CHASSIS--BOTTOM VIEW

