

PARTS LIST AND DESCRIPTIONS (Continued)

FIXED CAPACITORS
Capacity values given in the rating column are in mfd. for Paper Capacitors, and in mmmfd. for Mica and Ceramic Capacitors.

ITEM No.	RATING	REMARKS	REPLACEMENT DATA				
			AEROVOX PART No.	CENTRALAB PART No.	CORNEL PART No.	EMENCO PART No.	MALLORY PART No.
C3	3300	Note 1	BPD-0033	DD-332	BYA10D33	CCD-332	B-233
C4	3300	Note 1	BPD-0033	DD-332	BYA10D33	CCD-332	B-233
C5	3300	Note 1	BPD-0033	DD-332	BYA10D33	CCD-332	B-233
C6	3300	Note 1	BPD-0033	DD-332	BYA10D33	CCD-332	B-233
C7	3300	Note 1	BPD-0033	DD-332	BYA10D33	CCD-332	B-233
C8	3300	Note 1	BPD-0033	DD-332	BYA10D33	CCD-332	B-233
C9	1.1 600V	Note 1	P688N-1	DD-271	CUB5P1	DDP-4-104	6EM-601
C10	3300	Note 1	BPD-0033	DD-332	BYA10D33	CCD-332	B-233
C11	.33 100V	Note 1	P288N-33	DD-332	CUB5P33	IDP-4-334	6EM-3033
C12	3300	Note 1	BPD-0033	DD-332	BYA10D33	CCD-332	B-233
C13	3300	Note 1	BPD-0033	DD-332	BYA10D33	CCD-332	B-233
C14	3300	Note 1	BPD-0033	DD-332	BYA10D33	CCD-332	B-233
C15	3300	Note 1	BPD-0033	DD-332	BYA10D33	CCD-332	B-233
C16	270 600V	Note 1	P688N-1	DD-271	CUB5P1	DDP-4-104	6EM-601
C17	3300	Note 1	BPD-0033	DD-332	BYA10D33	CCD-332	B-233
C18	3300	Note 1	BPD-0033	DD-332	BYA10D33	CCD-332	B-233

Note 1. Models 90P53, 90P58 use 10000mmfd in this application.

CONTROLS

ITEM No.	RATING	REMARKS	REPLACEMENT DATA			INSTALLATION NOTES
			ARVIN PART No.	CENTRALAB PART No.	CTS-IRC PART No.	
RIA	1meg		47100-2			Volume, Left Channel Balance Bass, Left Channel Treble, Left Channel Volume, Right Channel Balance Bass, Right Channel Treble, Right Channel
R2	2meg		45250-17			
R3A	1meg		47100-2			
R4	1meg		47100-2			

RESISTORS

All wattages 1/2 watt, or less, unless otherwise listed.

ITEM No.	RATING	REMARKS	REPLACEMENT DATA			REMARKS
			IRC PART No.	WORKMAN TV PART No.	IRC PART No.	
R5	220K					
R6	100K					
R7	820K					
R8	100K					
R9	470K					
R10	470K					
R11	2700K					
R12	33K					
R13	470K					
R14	120K 1W					
R15	150K					

* Value used in Models 90P53, 90P58.

TRANSFORMER (POWER)

ITEM No.	RATING	REMARKS	REPLACEMENT DATA				NOTES
			ARVIN PART No.	Meit PART No.	Stencor PART No.	Thornderson PART No.	
T1	117V @ .55A		48989-2 ①	P-3148	PC-8420	24RL3U ②	① All, Part #48989-1 Used in Models 90P53, 90P58 ② Tape 5V & CT on 6, 3 Windings. ③ Drill New Mounting Holes.

TRANSFORMER (AUDIO OUTPUT)

ITEM No.	IMPEDANCE	SEC.	REPLACEMENT DATA				NOTES
			ARVIN PART No.	Meit PART No.	Stencor PART No.	Thornderson PART No.	
T2	5100K	6-8K	48200-3	A-3900	A-3877	22S87	① Drill New Mounting Hole.
T3	5100K	6-8K	48200-9	A-3900	A-3877	22S87	
T4	7200K CT	6-8K	48921-2	A-3900 ①	A-3870	22S88	S-55X

SPEAKER

ITEM No.	TYPE	FIELD	V. C. IMP.	REPLACEMENT DATA		NOTES
				ARVIN PART No.	QUAM PART No.	
SP1	4"	PM	6-8K	44088 *	44124-6	* Models 90P41, 90P47
SP2	6"	PM	6-8K	46408-1 *	6A124	* Models 90P53, 90P58
SP3	4"	PM	6-8K	44088 *	44124-6	
	8"	PM	6-8K	49100-1 *	8A1246.4	
	5"	PM	6-8K	45599-10 †	5A0726.4	

COMPONENT COMBINATIONS

ITEM No.	USE	DESCRIPTION	ARVIN PART No.	REPLACEMENT DATA
K1	Tone Comp.	(2) 100mmfd. (2) 1000mmfd. (2) 2000mmfd. (2) 10000mmfd. (2) 10K (2) 150K	49074	

PHONO CARTRIDGE & NEEDLES

*NEEDLE LISTINGS SHOWN ARE FOR RESPECTIVE REPLACEMENT CARTRIDGES ONLY.

ITEM No.	ARVIN PART No.	ASTATIC CARTRIDGE	ELECTRO-VOICE CARTRIDGE	SONOTONE CARTRIDGE	NOTES
MI	46507-6 †	13TB	25S	N-87A-S *	† Part #46507-9 used in Models 90P53, 90P58

CABINETS & CABINET PARTS

(When Ordering Cabinets & Cabinet Parts, Specify Model, Chassis & Color)

NAME	PART NO.	DESCRIPTION
Spindle	47477	45 RPM
Knob	48988-29	Mahogany, Models 90P53, 90P58
Cabinet	47857-3	Walnut, Models 90P53, 90P58
Cabinet	47857-8	Speaker, Walnut, Models 90P53, 90P58
Cabinet	49094-8	Speaker, Mahogany, Models 90P53, 90P58
Cabinet	49094-3	Speaker, Gold, Models 90P41, 90P47
Cabinet	49044-1	Speaker, White, Models 90P41, 90P47
Cabinet	49044-7	Gold, Models 90P41, 90P47
Cabinet	48997-1	White, Models 90P41, 90P47

WIRING DATA

General-use Unshielded Hook-up Wire.....Use BELDEN No. 8530 (Solid) Available in Ten Colors
Power Cord (Interlock Type) Use BELDEN No. 8874
Low-Loss Shielded Lead (Interconnecting)..... Use BELDEN No. 8401
Phono Pick-up Arm Cable Use BELDEN No. 8430 (Two Conductor - Twisted)

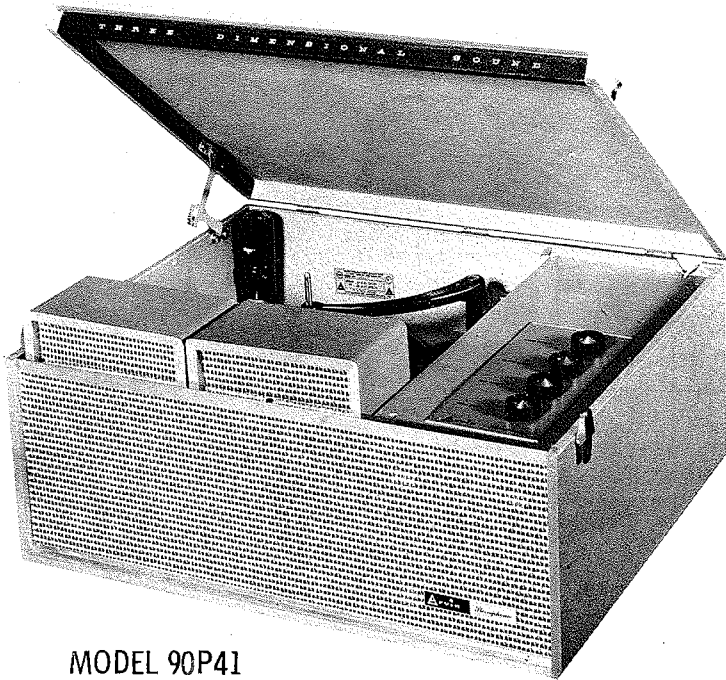
FOLDER 4
SET 539

PHOTOFACT® Folder

with CIRCUITRACE®

ARVIN MODELS 90P41, 90P47,
90P53, 90P58 (Ch. 1.49500, 1.63001)

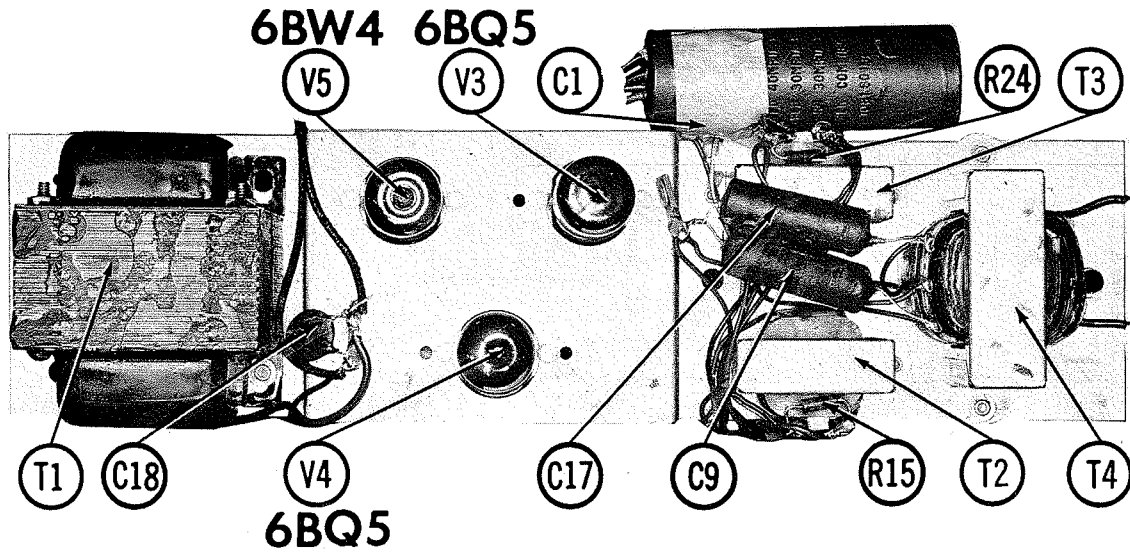
ARVIN MODELS 90P41, 90P47,
90P53, 90P58 (Ch. 1.49500, 1.63001)



MODEL 90P41

TRADE NAME	Arvin Models 90P41, 90P47 (Ch. 1.63001); 90P53, 90P58 (Ch. 1.49500)
MANUFACTURER	Arvin Industries, Inc., Columbus, Indiana
TYPE SET	AC Operated 5 Tube Stereo Phono Amplifier With 4 Speed Automatic Record Changer
POWER SUPPLY	110 - 120 Volts AC, 60 Cycles
RATING	56 Watts, .55 Amp. @ 117 Volts AC

FOR SERVICE INFORMATION ON RECORD CHANGER - SEE COLLARO CONQUEST (REVISED) - PHOTOFACT SET 408
FOLDER 6 OR RECORD CHANGER MANUAL RC-11



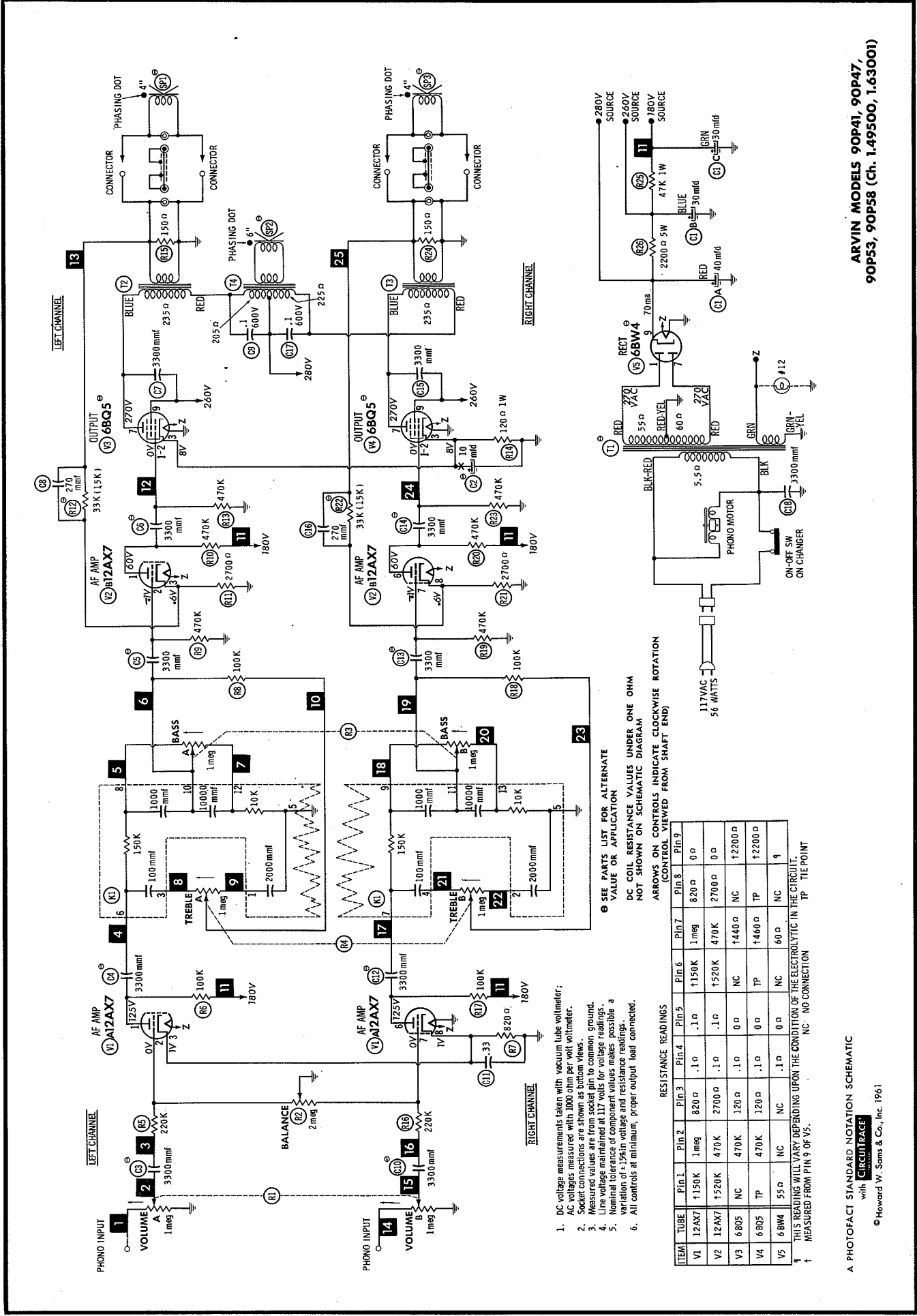
HOWARD W. SAMS & CO., INC. Indianapolis 6, Indiana

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ARVIN MODELS 90P41, 90P47,
90P53, 90P58 (Ch. 1.49500, 1.63001)

SET 539 FOLDER 4

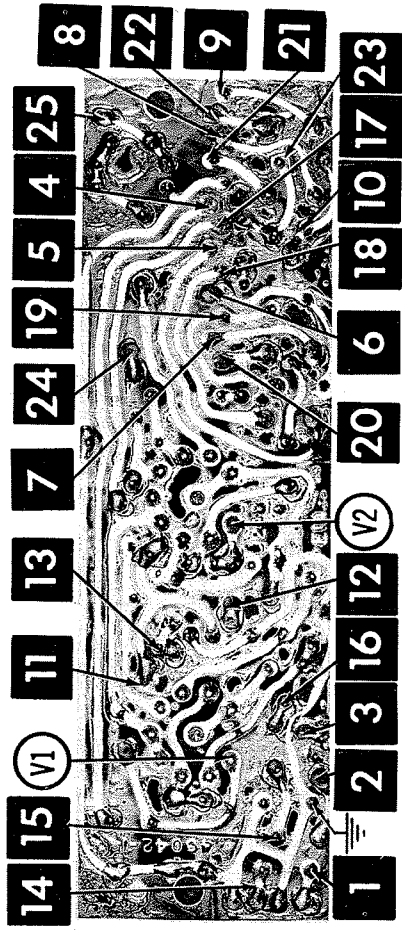
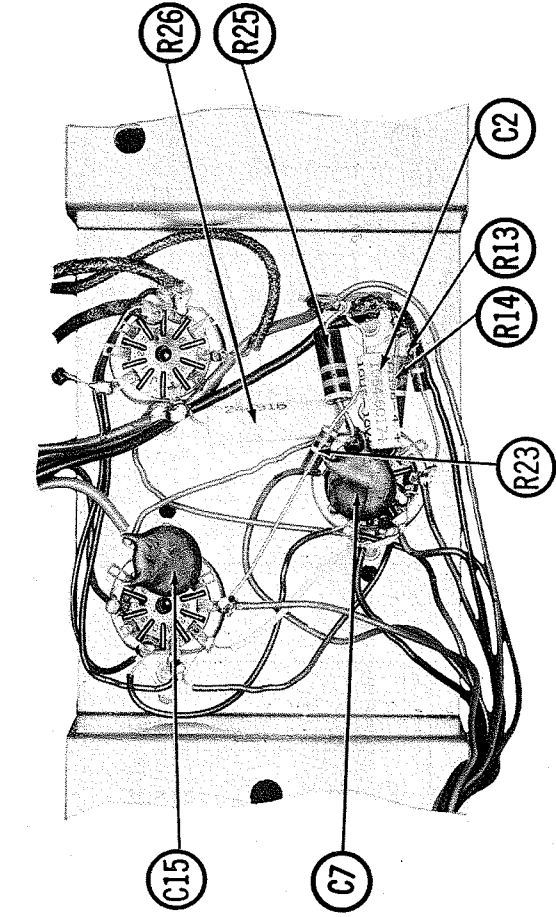


OUTPUT SECTION

PRINTED BOARD

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ARROWS INDICATING TUBE LOCATIONS ARE POINTING TO PIN 1 UNLESS OTHERWISE INDICATED



PARTS LIST AND DESCRIPTIONS

TUBES				GENERAL ELECTRIC				RAYTHEON				SYLVANIA			
ITEM No.	USE	TYPE	ITEM No.	USE	TYPE	ITEM No.	USE	ITEM No.	USE	TYPE	ITEM No.	USE	TYPE	ITEM No.	USE
V1	Left Channel AF Amp.	12AX7	V3	Left Channel Output	6BQ5 ①	V4	Right Channel Output	V4	Rectifier	6BQ5 ①	V5	Rectifier	V5	Rectifier	6BW4 ②
V2	Right Channel AF Amp.	12AX7													

① Models 90P53, 90P58 use 7591 in this application.

② Models 90P53, 90P58 use 6CA4 in this application.

ELECTROLYTIC CAPACITORS

REPLACEMENT DATA				ELECTROLYTIC CAPACITORS			
ITEM No.	RATING	CAP.	VOLT.	ARVIN PART No.	AEROVOX PART No.	CORNELL-DUBILIER PART No.	MAJORITY PART No.
C1A	40	300	300	44172-9	P84-300	B8RT0185	TCBQ-4422
C1B	30	300	300				TYA-4750
C1C	10	10	10				MLV10-10
C2	10	10	10				TLT-1114