

PARTS LIST AND DESCRIPTIONS (Continued)

TRANSFORMER (DRIVER)

ITEM No.	TURNS RATIO		RCA Victor PART No.	REPLACEMENT DATA		NOTES
	PRI.	SEC.		Part No.	Part No.	
T1	1	1	108184			

SPEAKER

ITEM No.	TYPE		RCA Victor PART No.	REPLACEMENT DATA		NOTES
	FIELD	V. C. IMP.		Part No.	Part No.	
SP1	3 1/2"	PM	1300 CT	3A052L30CT		

BATTERIES

ITEM No.	VOLTAGE		RCA Victor PART No.	REPLACEMENT DATA		NOTES
	BURCESS	EVEREADY		MALLORY		
M1	1.5V	VS-405	108163	"A"	"B"	Three required. Radio, Nickel-cadmium, Clock

CRYSTAL DIODES

ITEM No.	ORIG. TYPE	REPLACEMENT DATA		NOTES
		RCA Victor PART No.	SYLVANIA PART No.	
M2	1N60	10615	1N60	Overload (Pigtail) Detector (Pigtail)

MISCELLANEOUS

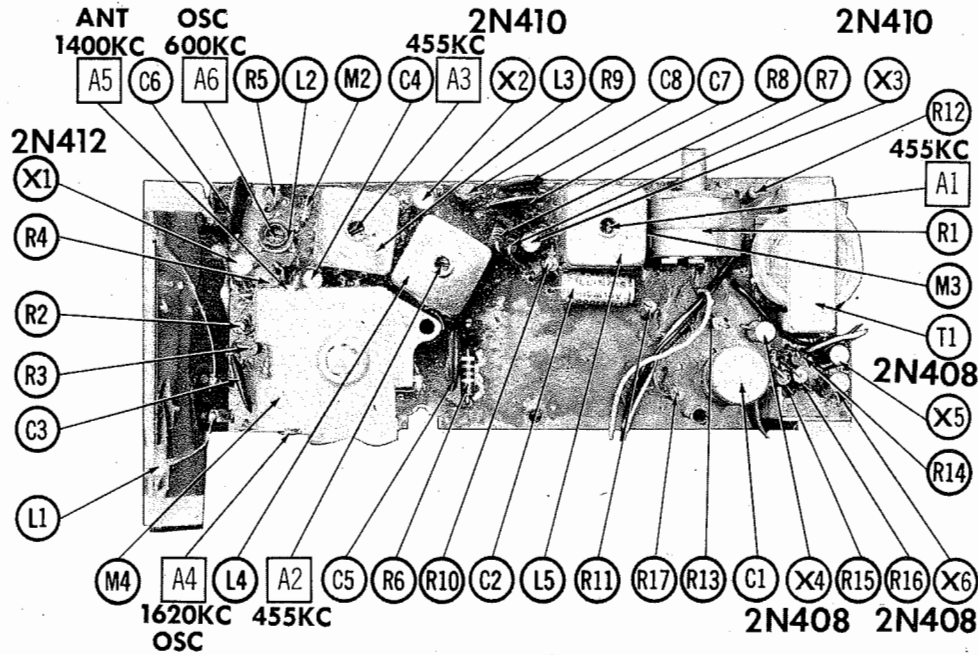
ITEM No.	PART NAME	RCA Victor PART No.	NOTES
M4	Tuning Cap. Tuning Cap. Printed Board	108161 108277 108308 108170	2 Gang, T-1, PT-1 Series (Ant. 12-133mmf, Osc. 13-99mmf) 2 Gang, T-2 Series 2 Gang, TC-1 Series Includes Fixed Resistors, Capacitors, IF Transformers, Oscillator Coil

CABINETS & CABINET PARTS

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

NAME	PART NO.	DESCRIPTION
Knob	108155	Tuning, T-1 Series
Knob	108280	Tuning, T-2 Series
Knob	108275	Tuning, PT-1 Series
Knob	108321	Tuning, TC-1 Series
Knob	108208	Volume, Model TIJE
Knob	108166	Volume, Model TIEN
Knob	108309	Volume, Model T2-E
Knob	108347	Volume, Model T2-J, PT-1 Series
Knob	108308	Volume, Model T2-K
Knob	108346	Volume, TC-1 Series
Knob	108319	Dial Pointer, T-2 Series
Knob	108279	Clock, Function, TC-1 Series
Dial Pointer	108322	TC-1 Series
Dial	108314	Tuning Control, T-2 Series
Dial	108314	Clock & Radio Control, Model TCI-E
Cabinet	Y7046	Clock & Radio Control, Models TCI-JE, TCI-FE
Cabinet	Y7047	Model TIJE
Cabinet	Y7048	Model TIEN
Cabinet	Y7070	Model PT-1
Cabinet	Y7072	Model TCI-E
Cabinet	Y7073	Model TCI-JE
Cabinet	Y7074	Model TCI-FE
Cabinet	X4572	Model T2-E
Cabinet	X4570	Model T2-J
Cabinet	X4569	Model T2-K

CHASSIS—TOP VIEW



CABINETS & CABINET PARTS (cont)

NAME	PART NO.	DESCRIPTION
Handle	108167	T-1 Series, Model PT-1
Handle	108382	Model T2-E
Handle	108381	Model T2-J
Handle	108380	Model T2-K

WIRING DATA

General-use Unshielded Hook-up Wire Use BELDEN No. 8530 (Solid) Available in Ten Colors
 8524 (Stranded) Available in Ten Colors

RCA VICTOR MODELS PT1, TIJE, TIEN,
 TIJE, T2E, T2J, T2K, TCIE, TCIFE,
 TCIJE (Ch. RC-1189, B, RC-1196)

FOLDER 15
 SET 478



RCA VICTOR MODELS PT1, TIJE, TIEN,
 TIJE, T2E, T2J, T2K, TCIE, TCIFE,
 TCIJE (Ch. RC-1189, B, RC-1196)



MODEL TIJE

TRADE NAME	RCA Victor Models PT1 (Ch. RC-1189B); TIJE, TIJE, TIEN, T2E, T2J, T2K (Ch. RC-1189); TCIE, TCIFE, TCIJE (Ch. RC-1196)		
MANUFACTURER	RCA Victor Radio & "Victrola" Div., Radio Corp. of America, Camden 8, N. J.		
TYPE SET	Battery Operated Transistorized Portable AM Receiver (TCI Series are Clock Versions)		
POWER SUPPLY	4.5 Volts DC	RATING	9MA @ 4.5 Volts DC (No Signal, Min. Volume)
TUNING RANGE—BROADCAST	535-1620KC		30MA @ 4.5 Volts DC (Signal, Normal Volume)

ALIGNMENT INSTRUCTIONS

ALIGNMENT INSTRUCTIONS—READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT

Volume control should be at maximum position. Output of signal generator should be no higher than necessary to obtain an output reading.

Suggested Alignment Tools: A1, A2, A3, A6 GENERAL CEMENT #5009, 8195, 8274, 8275, 8728, 8987
 WALSCO #2531

A4, A5 GENERAL CEMENT #5004, 5008, 5009
 WALSCO #2520

DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	OUTPUT METER	ADJUST	REMARKS
1.	High side thru .01mf to antenna stator lug of tuning gang. Low side to chassis.	455KC (400% Mod.)	Tuning gang fully open	Across voice coil	A1, A2, A3	Adjust for maximum output.
2.	Loop	1620KC	"	"	A4	Fashion loop of several turns of wire and radiate signal into loop of receiver. Adjust for maximum output.
3.	"	1400KC	Tune to 1400KC signal	"	A5	Adjust for maximum output while rocking tuning gang.
4.	"	600KC	Tune to 600KC signal	"	A6	"

DISASSEMBLY

PT1, T1, T2 Series
 Tuning knob is captive. Shaft must be pulled from knob. Remove cabinet back by pulling on bottom and disengaging top tabs.

TCI Series
 Press on cabinet area marked "Push Here to Open". Lift lid. Remove 2 screws from battery compartment. Open case from bottom, disengaging tab from lip at cabinet top.

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

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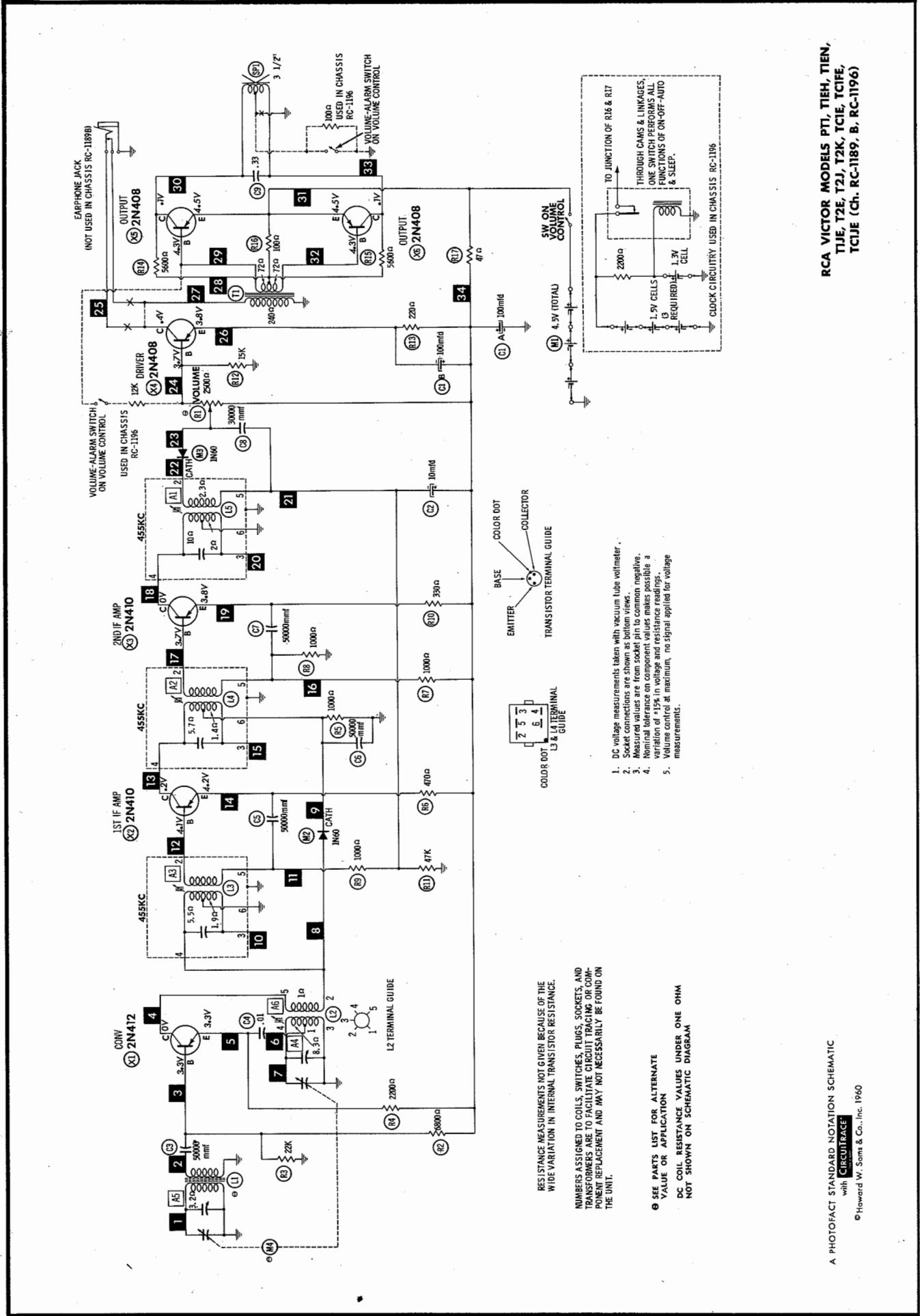
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SET 478

FOLDER 15

RCA VICTOR MODELS PT1, TIJE, TIEN,
 TIJE, T2E, T2J, T2K, TCIE, TCIFE,
 TCIJE (Ch. RC-1189, B, RC-1196)

SET 478 FOLDER 15



PARTS LIST AND DESCRIPTIONS

TRANSISTORS

ITEM No.	ORIG. TYPE	USE	REPLACEMENT DATA				NOTES
			CBS PART No.	RCA PART No.	PAYTHEON PART No.	SYLVANIA PART No.	
X1	2N412	Converter		2N412	2N486	2N412	PNP
X2	2N410	1st IF Amplifier		2N410	2N483	2N410	PNP
X3	2N410	2nd IF Amplifier		2N410	2N483	2N410	PNP
X4	2N408	Driver		2N408	2N862	2N408	PNP
X5	2N408	Output		2N408	2N862	2N408	PNP
X6	2N408	Output		2N408	2N862	2N408	PNP

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	REMARKS	REPLACEMENT DATA				NOTES
	CAP.		CORNEIL-DUBIER PART No.	AEROVOX PART No.	MALLOY PART No.	PYRAMID PART No.	
C1A	100	10	108151	108151	108151	108151	
C2	100	10	108114	108114	108114	108114	

* Not normally in distributor's stock. Available thru distributor on order to manufacturer.

FIXED CAPACITORS

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

ITEM No.	RATING	REMARKS	REPLACEMENT DATA				SPRAGUE PART No.
			CORNEIL-DUBIER PART No.	AEROVOX PART No.	CENTRALAB PART No.	ELMOCO PART No.	
C3	50000		DD-503	DD-503	DD-503	DD-503	5BK-550
C4	50000		DD-503	DD-503	DD-503	DD-503	2WF-510
C5	50000		DD-503	DD-503	DD-503	DD-503	5BK-D50
C6	50000		DD-503	DD-503	DD-503	DD-503	5BK-D50
C7	50000		DD-503	DD-503	DD-503	DD-503	5BK-D50
C8	30000		DD-503	DD-503	DD-503	DD-503	5BK-630
C9	33	200V	P288N-33	P288N-33	P288N-33	P288N-33	2WF-533

CONTROLS

ITEM No.	RATING	REMARKS	REPLACEMENT DATA				INSTALLATION NOTES
	RESISTANCE		CENTRALAB PART No.	CLAROSTAT PART No.	CTS-IRC PART No.	MALLOY PART No.	
R1	25000		108182	108182	108182	108182	Volume & Switch

Note 1. TC-1 Series use Part #108309; T-2 Series use Part #108276.

RESISTORS

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

ITEM No.	RATING	REMARKS	ITEM No.	RATING	REMARKS	ITEM No.	RATING	REMARKS
R2	45000		R8	10000		R14	56000	
R3	22K		R9	10000		R15	56000	
R4	22000		R10	3300		R16	1000	
R5	47000		R11	47K		R17	470	
R6	10000		R12	15K				
R7	10000		R13	2200				

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA				NOTES
		RCA Victor PART No.	Granger PART No.	Meissner PART No.	Miller PART No.	
L1	Loopstick	108185				
L2	Osc. Coil	108180				
L3	1st IF Trans.	108157				
L4	2nd IF Trans.	108156				
L5	3rd IF Trans.	108159				

† Chassis RC-1196 uses (Part #108318) in this application.

PRINTED BOARD

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