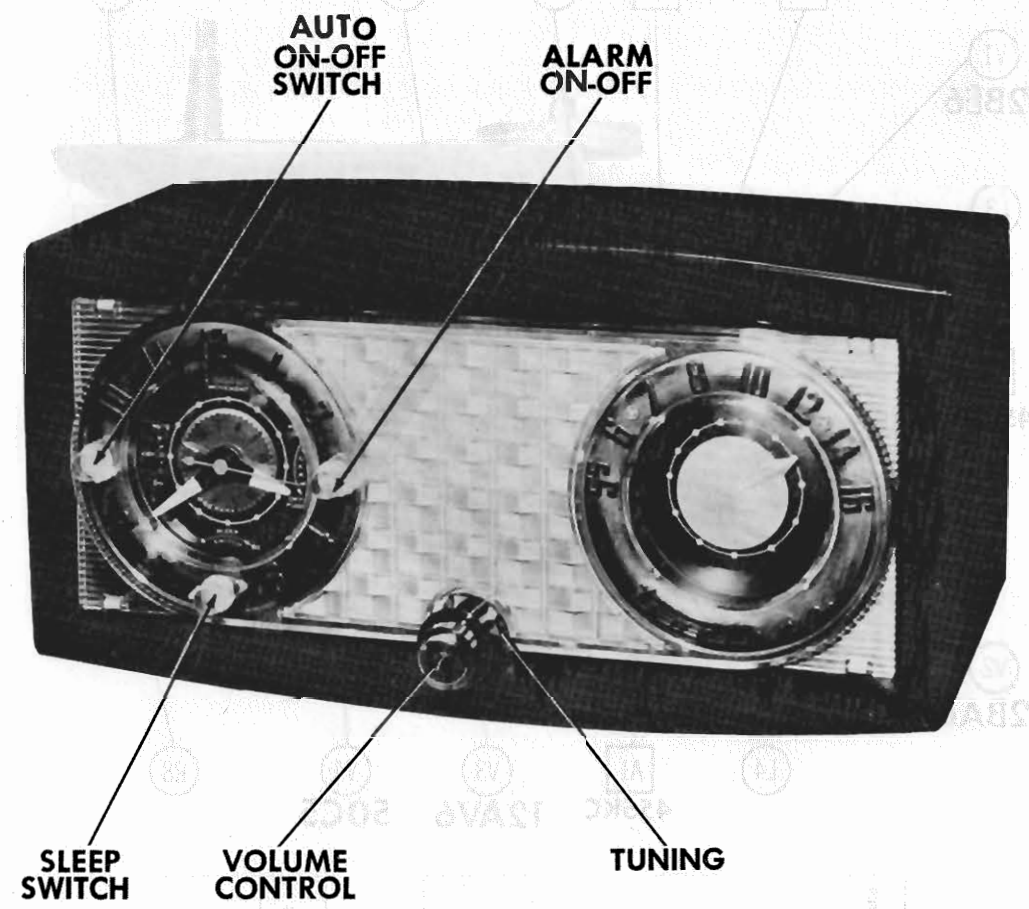


**TRUETONE**  
**MODELS D2418A, D2419A, D2420A**



TRADE NAME		Truetone Models D2418A, D2419A, D2420A				
SUPPLIER		Western Auto Supply Co., 2107 Grand Ave., Kansas City, Mo.				
TYPE SET		AC Operated AM Superheterodyne Receiver With Electric Clock				
TUBES (Four)		Types 12BE6 Conv., 12BA6 IF Amp., 12AV6 Det.-AVC-AF Amp., 50C5 Audio Output				
POWER SUPPLY		115 Volts AC-60 Cycles		RATING .27 Amp. @ 115 Volts AC		
TUNING RANGE—BROADCAST		540KC.-1600KC				
ALIGNMENT INSTRUCTIONS—READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT						
Use isolation transformer, if available. If not, connect a .1MFD capacitor in series with low side of signal generator and B-. Loop should be maintained in same relative position to chassis as when receiver is in cabinet. Volume control should be at maximum position. Output of signal generator should be no higher than necessary to obtain an output reading. Use an insulated alignment screwdriver for adjusting.						
DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	OUTPUT METER	ADJUST	REMARKS
.1MFD	High side to grid (pin 7) of converter (V1). Low side to B-.	455KC (400%Mod)	Tuning gang fully open	Across voice coil	A1, A2, A3, A4	Adjust for maximum output. If isolation transformer is not used, reduce dummy antenna to .001MFD to reduce hum modulation.
"	"	1620KC	"	"	A5	"
"	Loop	1400KC	1400KC	"	A6	Fashion loop of several turns of wire and radiate signal into loop of receiver. Adjust for maximum output.

PARTS LIST AND DESCRIPTIONS  
 TUBES (SYLVANIA, GENERAL ELECTRIC, WESTINGHOUSE)

TRUETONE  
 MODEL D2418A

CHASSIS—TOP VIEW

ITEM No.	USE	REPLACEMENT DATA		REMARKS	NOTES
		TRUE-TONE PART No.	STANDARD REPLACEMENT		
V1	Converter	12BE6	12BE6	7CH	
V2	IF Amplifier	12BA6	12BA6	7BK	
V3	Det.-AFC-AF Amp.	12AV6	12AV6	7BT	
V4	Audio Output	50C5	50C5	7CV	

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	CAP.	VOLT	REPLACEMENT DATA					NOTES
				YTRUETONE PART No.	ARROVOX PART No.	CENTRALAB PART No.	CORNELL DUBILIER PART No.	ERIE PART No.	
C1A	50	150	8C-15262	AFH2-15			B015	FP213	TYL-2432
C2	.05	200	8D-14460	P288-05	DF-503		P7255	PT415	2TM-S5
C3A	220	5000			•PA-151		•1167M2	•1408-02	•DT-2
C4	250								
C5	.01	200	8D-17258	P288-01	D6-103		P7251	GP2-333-103	2TM-S1
C6	.047	600	8J-16081	6892X-047	DF-503		P76847	PT6147	6TM-S47
C6	.18	400	8D-11111	P488-18			CUB4P18	PT4018	4TM-P18

• Items C3A, C3B, C3C, C3D, C3E, R5A, R5B and R5C are combined in one unit. When replacing items separately items C3D and C3E should total 250MMMF.

CONTROLS

ITEM No.	RATING	RESISTANCE	WATTS	REPLACEMENT DATA			INSTALLATION NOTES
				TRUE-TONE PART No.	IRC PART No.	CENTRALAB PART No.	
R1A	1 Meg			10B-19797			Volume Attach to R1A
R1B	Shift			Not Req.		A47-1Meg-Z R5-3/16	

RESISTORS

ITEM No.	RATING	OHMS	WATT	REPLACEMENT DATA		NOTES
				TRUE-TONE PART No.	IRC PART No.	
R2	47KΩ			9B1-82	BTS-47K	
R3	150Ω			9B1-52	BTS-150	
R4	2.2Meg			9B1-53	BTS-2.2Meg	
R5A	6.8Meg			•20119003	BTS-6.8Meg	
R5B	470KΩ				BTS-470K	
R5C	470KΩ				BTS-470K	

• Items R5A, R5B, R5C, R5D, R5E, R5F, R5G, R5H, R5I, R5J, R5K, R5L, R5M, R5N, R5O, R5P, R5Q, R5R, R5S, R5T, R5U, R5V, R5W, R5X, R5Y, R5Z are combined in one unit.

TRANSFORMER (AUDIO OUTPUT)

ITEM No.	IMPEDANCE		REPLACEMENT DATA				NOTES
	PRI.	SEC.	TRUE-TONE PART No.	Stancor PART No.	Merit PART No.	Triad PART No.	
T1	2.4KΩ	3.3Ω	12C17595-1	A-3332	A-3025	S-12X	• Drill one new mounting hole.

PARTS LIST AND DESCRIPTIONS (Continued)

SPEAKER

ITEM No.	RATINGS		REPLACEMENT DATA			NOTES
	SIZE	FIELD	V. C. IMP.	TRUE-TONE PART No.	JENSEN PART No.	
SPI	4"	PM	3.3Ω	18A-19739		• One corner cut off close to speaker cone.

COILS (RF-IF)

ITEM No.	USE	DC RES.		REPLACEMENT DATA			NOTES
		PRI.	SEC.	TRUE-TONE PART No.	MEISSNER PART No.	MERIT PART No.	
L1	Loop Ant.	3.3Ω		13E-19801-2			
L2	Osc. Coil	.8Ω	5.5Ω	13D-19064	14-1073 *		
L3	Input IF	14Ω	14Ω	13B-17731	16-6758	BC-352	Includes cabinet back
L4	Output IF	14Ω	14Ω	13B-17731	16-6758	BC-353	

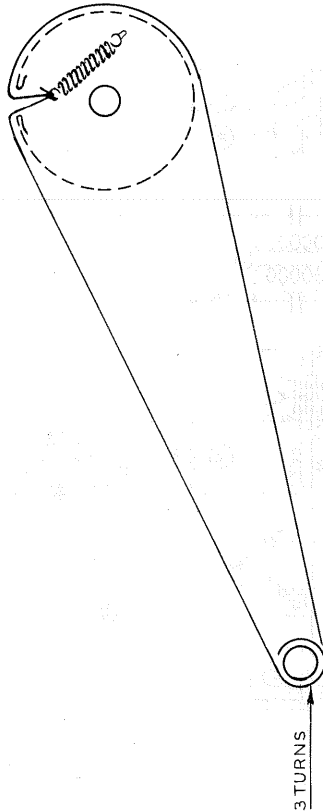
SELENIUM RECTIFIER

ITEM No.	RATING	REPLACEMENT DATA				NOTES
		TRUE-TONE PART No.	FEDERAL PART No.	INTERNATIONAL PART No.	MALLORY PART No.	
M1	.060ADC	21J19594	1003	RS75	6S75	100A

MISCELLANEOUS

ITEM No.	PART NAME	TRUE-TONE PART No.	NOTES
M2	Tuning Cap.	8A-19740	
	Cabinet	5C-23048-A93	32-516MMF, 26-160MMF
	Cabinet	5C-23048-A89	Ebony - Model D2418A
	Cabinet	5C-23048-A87	Red - Model D2419A
	Knob	5B-23010-A93	White - Model D2420A
	Knob	5B-23010-A87	Volume - Ebony or Red - Models D2418A, D2419A
	Knob	5B-23012-A93	Tuning - White - Model D2420A
	Knob	5B-23012-A87	Tuning - Ebony or Red - Models D2418A, D2419A
	Dial Pointer	5B-2071L-A97	Cluck (3 used)
	Clock Assembly	21M-23592	
		21M-23045	

TURN DRUM COMPLETELY COUNTER-CLOCKWISE.



DIAL CORD STRINGING

TRUETONE  
 MODEL D2418A

TRUETONE  
 MODEL D2418A

CHASSIS—BOTTOM VIEW

