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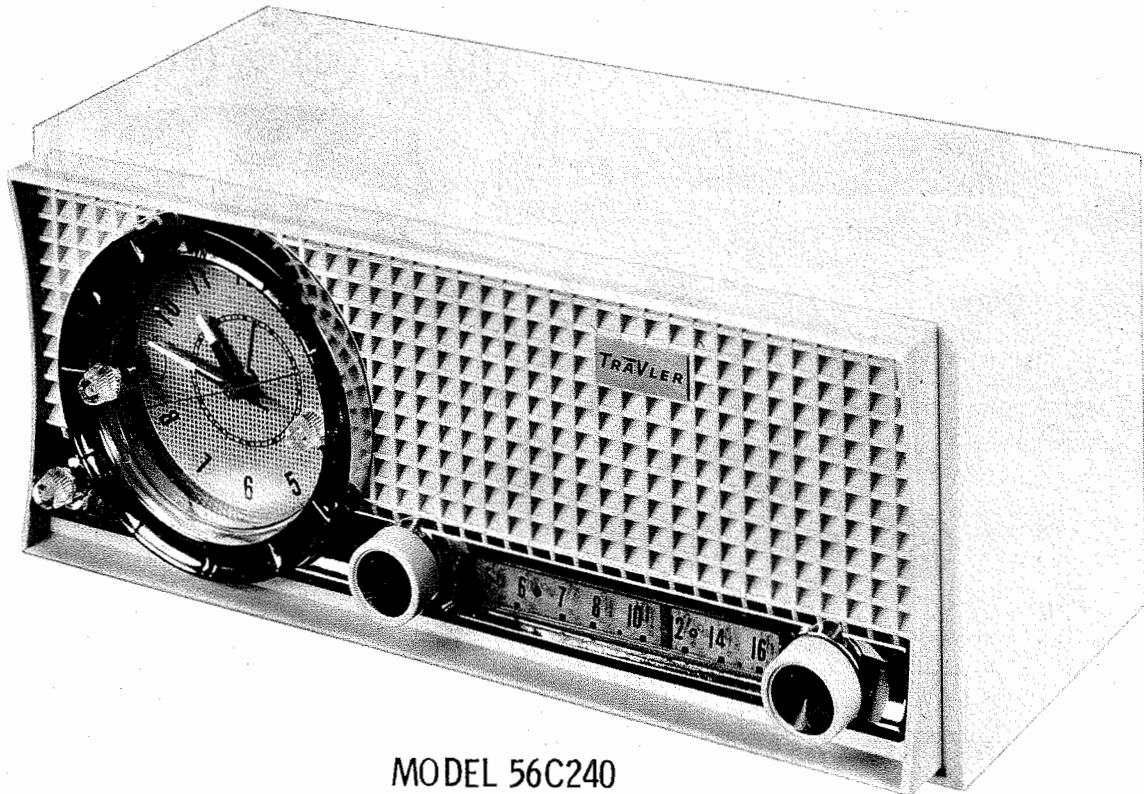
FOLDER 16
SET 422

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TRAV-LER MODELS 56C220, 56C221, 56C231, 56C232, 56C233, 56C240

TRAV-LER MODELS 56C220, 56C221, 56C231, 56C232, 56C233, 56C240



MODEL 56C240

TRADE NAME Trav-Ler Models 56C220, 56C221, 56C230, 56C231, 56C232, 56C233, 56C240
 MANUFACTURER Trav-Ler Radio & Tel. Corp., 571 W. Jackson Blvd., Chicago, Illinois
 TYPE SET AC Operated AM Receiver with Electric Clock
 TUBES(Five) Types 12BE6 Converter, 12BA6 IF Amplifier, 12AV6 Det.-AVC-AF Amp., 50C5 Output, 35W4 Rectifier

POWER SUPPLY 110-120 Volts AC-60 Cycles
 TUNING RANGE—BROADCAST 535-1620KC

RATING .30 Amp. @117 Volts AC(28 Watts)

ALIGNMENT INSTRUCTIONS

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- 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
1. .1MFD	High side to Pin 7 (Grid of 12BE6(V1) Low Side to B-	455KC (400% Mod)	Tuning Gang Fully Open	Across Voice Coil	A1, A2 A3, A4	Adjust for maximum output
2. "	"	1620KC	"	"	A5	"
3. "	"	600KC	600KC	"	A6	Adjust for maximum output while rocking gang. Repeat Steps 2 & 3.
4. "	Loop	1400KC	Tune to 1400KC Signal	"	A7	Fashion loop of several turns of wire and radiate signal into loop of receiver. Adjust for maximum output.

HOWARD W. SAMs & CO., INC. • Indianapolis 5, Indiana

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SET 422 FOLDER 16

PARTS LIST AND DESCRIPTIONS

TUBES (GENERAL ELECTRIC, SYLVANIA)

ITEM No.	USE	TYPE	NOTES
V1	Converter IF Amplifier	12BE6	
V2	Det.-AVC-AF Amp.	12BA6	
V3		12AV6	

ITEM No.	USE	TYPE	NOTES
V4	Output Rectifier	50C5	
V5		35W4	

ELECTROLYTIC CAPACITORS

ITEM No.		RATING		REPLACEMENT DATA					
		CAP.	VOLT.	TRAV-LER PART No.	AEROVOX PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	PYRAMID PART No.	SANGAMO PART No.
C1A	70	150	EC-68	PRSI50V8040	BRRD8415	WD220	TDLD-11	MTD-303	TVA-2462
B	40	150							

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		REPLACEMENT DATA					
		CAP.	VOLT.	TRAV-LER PART No.	AEROVOX PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.	NOTES
C2	220	400	CC-33	S1220	D6-221	L76T22	UC-5322	5GA-T22	
C3	.05	400	PC-5	P48BN-05	DF-503	CUB4S5	GEM-415	4TM-S5	
C4	.05	400	PC-12	N750-D147	DTN-47	C10Q47U	NT-5447	5TCU-Q47	
C5	.05	400	PC-5	P48BN-05	DF-503	CUB4S5	GEM-415	4TM-S5	
C6	.022	400	PC-47	P48BN-022	DD-203	CUB4S22	GEM-415	4TM-S22	
C7	.05	400	PC-5	P48BN-05	DF-503	CUB4S5	GEM-415	4TM-S5	
C8	.1	400	PC-8	P48BN-1	DF-104	CUB4P1	GEM-401	4TM-P1	N750

CONTROLS

ITEM No.	RATING		REPLACEMENT DATA					INSTALLATION NOTES	
	RESIST-ANCE	WATTS	Trav-Ler PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	IRC PART No.	MALLORY PART No.		
R1A	500K	$\frac{1}{2}$	VC101	B-60 Not Req.	A47-500K-Z KSS-3	Q13-133 Not Req.	U48 Not Req.	Volume	
R2	50	$\frac{1}{2}$ (WW)	VC102					Dimmer Note 1	

RESISTORS

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

ITEM No.		RATING		NOTES		REPLACEMENT DATA		NOTES	
		OHMS	WATT			ITEM No.	RATING		
R3	1meg			IR-12		R7	3.3meg	IR-23	
R4	470			IR-4		R8	150K	IR-98	
R5	22K			IR-45		R9	1000K	IR-42	
R6	120K			IR-155		R10	220K	IR-20	

COILS (RF-IF)

ITEM No.		USE		REPLACEMENT DATA					
		TRAV-LER PART No.	USE	Meissner PART No.	Meritt PART No.	Miller PART No.	Rom PART No.	NOTES	
L1	Loop Ant.	LL-48		14-1077	BC-393*	69-OSC*			
L2	Osc. Coil	L0-27		16-6758	BC-352	12-C1	RF-1		Includes Cabinet back
L3	Input IF	L1-19					RF-2		
L4	Output IF	L1-19							

* Disregard capacity winding

PARTS LIST AND DESCRIPTIONS (Continued)

TRANSFORMER (AUDIO OUTPUT)

ITEM No.		IMPEDANCE		REPLACEMENT DATA					
		PRI. SEC.	VA	TRAV-LER PART No.	Holden PART No.	Meritt PART No.	Rom PART No.	Thordarson PART No.	NOTES
T1	22000	3-40	AT-24	21102	A-3031	A-3336	24550A	A-16X	① Used in Models 56C230, 231, 232, 233, 240 ② Used in Models: 56C220, 221

SPEAKER

ITEM No.		TYPE		REPLACEMENT DATA		NOTES	
		SIZE	V. C. IMP.	TRAV-LER PART No.	QUAM PART No.		
SP1	4"X6" 4"	PM	3-40	SPK-55	46A15		

COMPONENT COMBINATIONS

ITEM No.	USE	DESCRIPTION	TRAV-LER PART No.	REPLACEMENT DATA
K1	Audio Couplete	220mmf, 2000mmf 5000mmf, 250mmf 470K, 470K, 6.8meg	MC-19	Aerovox Centralab Cornell-Dubilier Sprague PA-113-1 PC-150 110TMI DT-4

MISCELLANEOUS

ITEM No.	PART NAME	TRAV-LER PART No.	NOTES
M1	Dial Lamp	PB-5	#43 (Model 56C240 only)
M2	Tuning Cap.	GC-24	Two-Gang, AM, Ant 18-384mmf, Osc 18-166mmf
M3	Switch	SW-27	DPDT Slide Switch(Radio/Phono) in Model 56C240 only
M4	Clock Assy	CK-7	Clock with On-Off, Radio, Alarm Switch

WIRING DATA

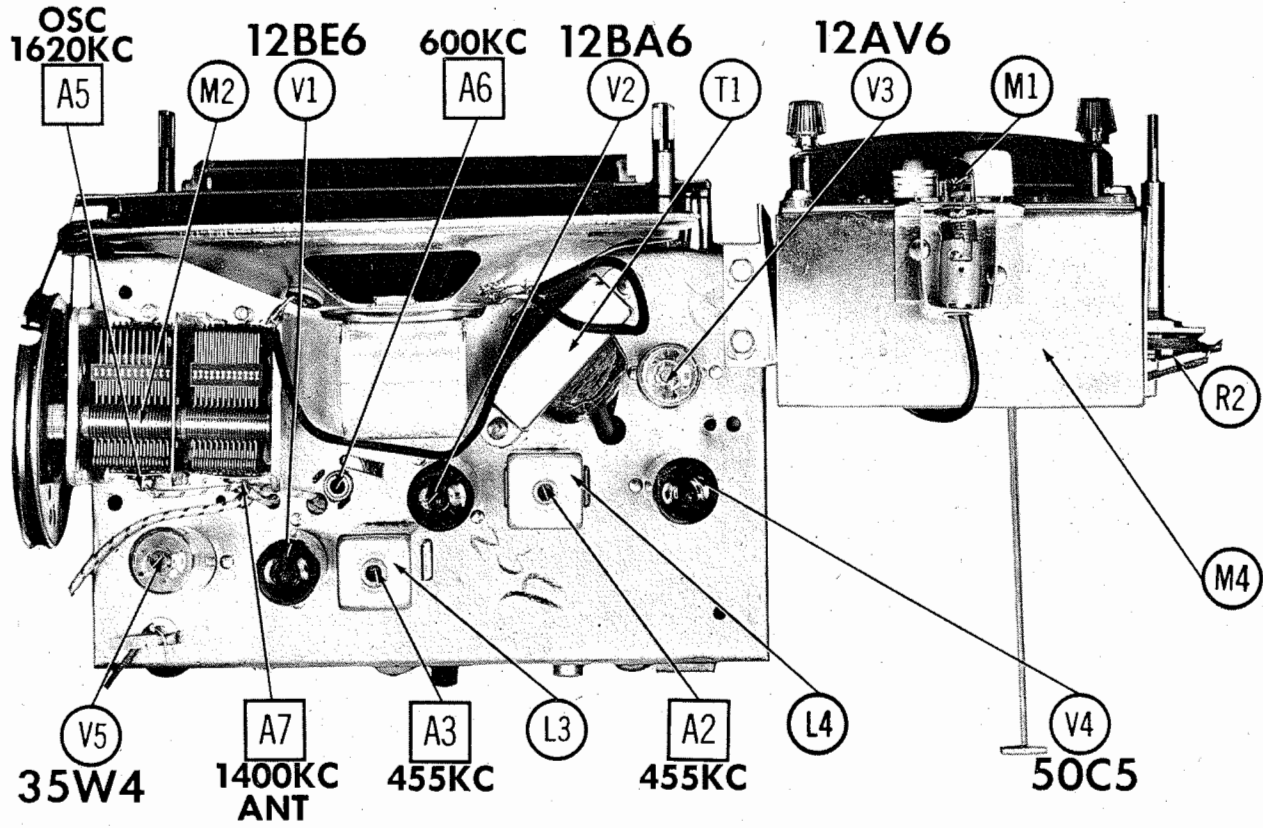
General-use Unshielded Hook-up Wire	Use BELDEN No. 8530 (Solid) Available in Ten Colors
Power Cord	8524 (Stranded) Available in Ten Colors
	Use BELDEN No. 1725-K (7 1/2 Ft. Length)

TUNING GANG FULLY CLOSED

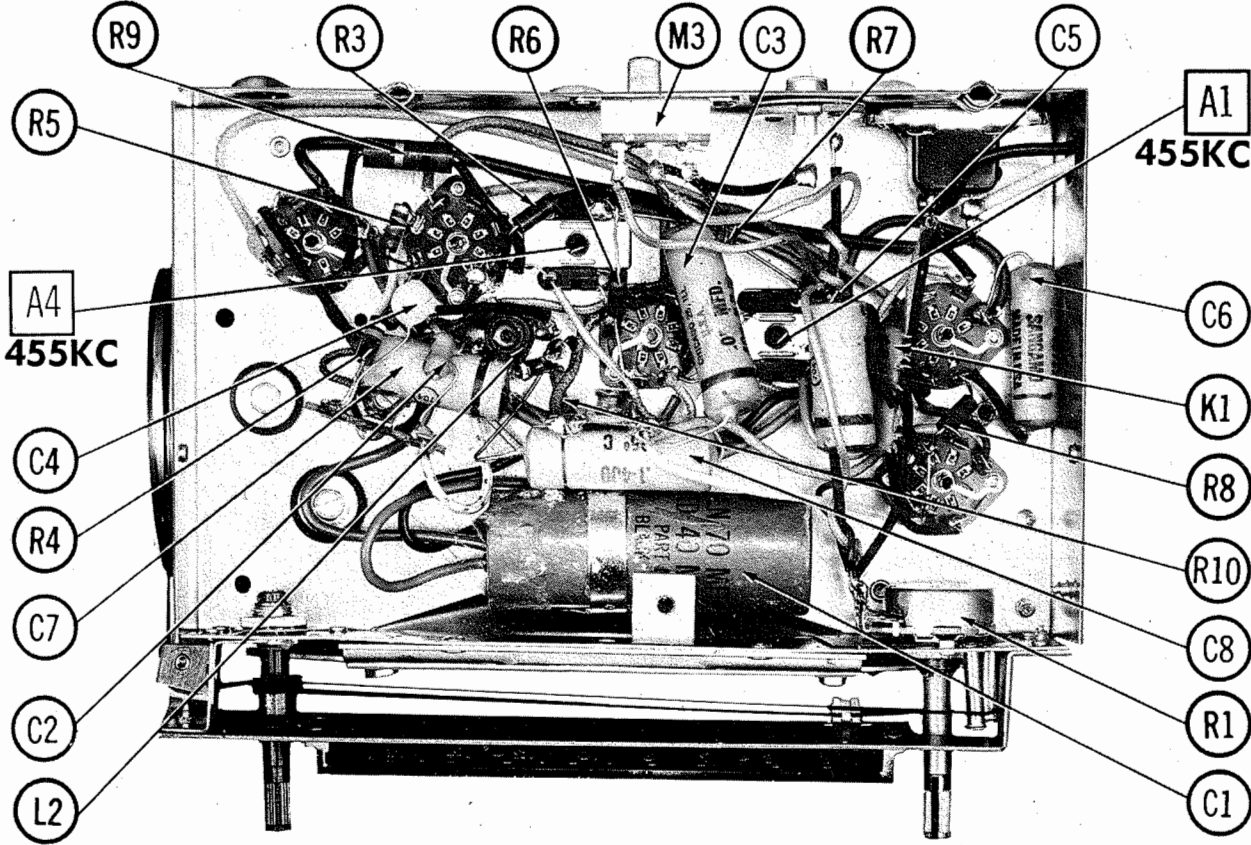
DIAL CORD STRINGING

3 TURNS ON TUNING SHAFT

CHASSIS—TOP VIEW



CHASSIS—BOTTOM VIEW



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