

CROMWELL, PLYMOUTH, STARK  
MODEL 1010



TUNING CONTROL  
VOLUME CONTROL  
ON-OFF SWITCH

CROMWELL, PLYMOUTH, STARK  
MODEL 1010

STARK MODEL 1010						
TRADE NAME	Cromwell, Plymouth, Stark, Model 1010					
MANUFACTURER	Stark Sound Engineering, 2131 Fairfield Ave., Fort Wayne 6, Indiana					
SUPPLIERS	Cromwell-Mercantile Stores Co., Inc., 128 West 31st St., New York, New York Plymouth-Interstate Stores Buying Corp., 111 8th Ave., New York 11, New York					
TYPE SET	AC-DC Operated Superheterodyne Receiver					
TUBES (FOUR)	Types 12BE6 Converter, 12AT6 DET-AVC-AF, 50C5 Power Output, 35W4 Rectifier					
POWER SUPPLY	110-120 Volts AC-DC		RATING .25 Amp. at 117 Volts AC			
TUNING RANGE—BROADCAST	545-1620KC					
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 chassis.						
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
.02MFD	High side to stator on rear section on tuning gang. Low side to chassis.	455KC (400 ~ Mod.)	Tuning gang fully closed	Across voice coil.	A1, A2	Adjust for maximum output. If isolation transformer is not used, reduce dummy antenna to .001MFD to reduce hum modulation.
50MMF	High side to antenna terminal on antenna coil. (Remove hank. antenna). Low side to chassis.	545KC	"	"	A3	Adjust for maximum output.
50MMF	"	1400KC	Tune for max. output	"	A4	"

PARTS LIST AND DESCRIPTIONS  
TUBES (SYLVANIA or Equivalent)

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CHASSIS—TOP VIEW

ITEM No.	USE	REPLACEMENT DATA			INSTALLATION NOTES
		STARK PART No.	STANDARD REPLACEMENT	DATA BASE TYPE	
V1	Converter	128E0	128E0	7CH	
V2	DET.-AVC-AF	12AT6	12AT6	7BT	
V3	Power Output	50C5	50C5	7CV	
V4	Rectifier	35W4	35W4	5BQ	

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			IDENTIFICATION CODES AND INSTALLATION NOTES
		STARK PART No.	AEROVOX PART No.	CORNELL- DUBILIER PART No.	
C1A	40	31E003	770000/10-70	EDL4215	TA-240
C2	150		P688-001	PTE0D1	TM-21
C3	20		P488-01	PTE4S1	TM-11
C4	01		I468-0001	5W571	IFM-31
C5	100		P688-002	PTE0D2	TM-22
C6	.002		P488-005	PTE0D5	TM-25
C7	.005		P488-003	PTE0S3	TM-13
C8	.03		P688-006	PTE0D6	TM-26

CONTROLS

ITEM No.	RATING RESIST- ANCE	WATTS	REPLACEMENT DATA			INSTALLATION NOTES
			STARK PART No.	IRC PART No.	CLAROSTAT PART No.	
R1A	500KΩ	1/2	Not Req.	443-133	AM-60-Z	Volume control
B	Shaft		Not Req.	KSS-3	SW-A	Attach to dial per instructions
C	Switch		Not Req.	76-1	SW-A	Attach to dial per instructions

RESISTORS

ITEM No.	RATING RESISTANCE	WATTS	REPLACEMENT DATA			IDENTIFICATION CODES
			STARK PART No.	IRC PART No.		
R2	2 Meg.			BTS-2 2 Meg.		AVC Network
R3	22KΩ			BTS-22K		Osc. Grid
R4	4.7 Meg.			BTS-4 7 Meg.		AF Grid
R5	500KΩ			BTS-500K		AF Plate
R6	150Ω	1		BTS-470K		Output Cathode
R7	150Ω	1		BW-1-150		Output Cathode
R8	2000Ω	1		BW-1-2200		Filter
R9	500Ω	1				Rect. palladium
R10	65Ω	5				Filament Dropping-Wire Wound

TRANSFORMER (AUDIO OUTPUT)

ITEM No.	RATING				REPLACEMENT DATA				INSTALLATION NOTES
	IMPEDANCE		DC RES.		STARK PART No.	STANCOR PART No.	MERIT PART No.	CHICAGO PART No.	
	PRI.	SEC.	PRI.	SEC.					
T1	2KΩ	3.2Ω	178Ω	5Ω	15D001	A-3332	A-3025	RO-2 *	* Drill one new mounting hole.

PARTS LIST AND DESCRIPTIONS (Continued)

SPEAKER

ITEM No.	RATINGS		REPLACEMENT DATA			INSTALLATION NOTES
			STARK PART No.	JENSEN PART No.	QUIAM PART No.	
SP1	FIELD	V. C. IMP.	19H100	ST-113	4A07	
SP2	CONE DIA.	V. C. DIA.		MOD. P4-X		
	3 7/8"	9/16"				

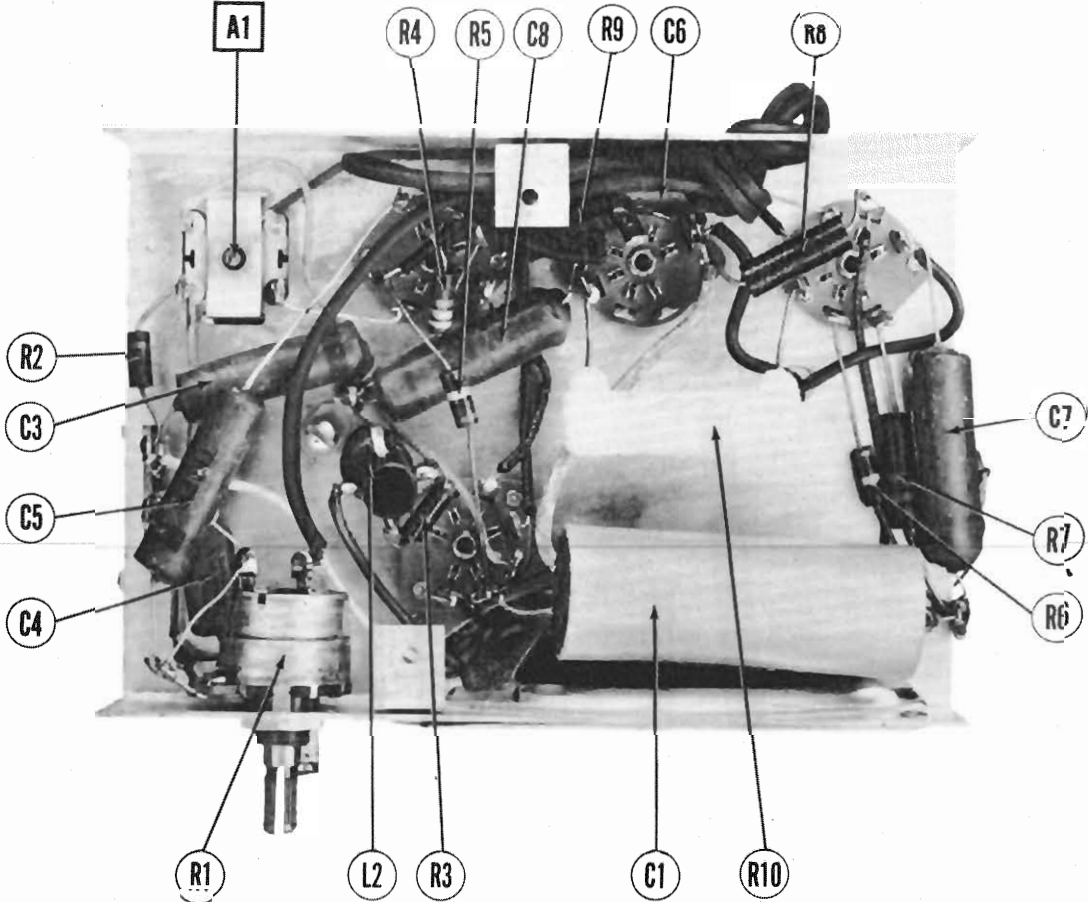
R F COILS

ITEM No.	USE	REPLACEMENT DATA		
		DC RES.	STARK PART No.	MEISSNER PART No.
L1	Ant. Coil	42Ω	35D004	14-1071
L2	Osc. Coil	3.2Ω	35C002	14-1073
L3	IF Trans.	23Ω	18A005	16-8678

MISCELLANEOUS

ITEM No.	PART NAME	STARK PART No.	NOTES
M1	2 Gang Var. Cap.	29A002	(40-409MMF, 28-218MMF?)
	Cabinet	40B01	Walnut
	Knob	40B010	Ivory
	Knob	5D004	Walnut
	Knob	5D005	Walnut
	Knob	5D006	Walnut
	Knob	5D007	Ivory

CHASSIS—BOTTOM VIEW



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