

MODELS 40-503 and 40-506

SPECIFICATIONS

Models 40-503 and 40-506 are radio-phonograph combinations consisting of a 6 tube electric push button tuning superheterodyne radio receiver. The models are similar in design with the exception of cabinets and phonograph mechanisms.

Model 40-503 is assembled in a table model cabinet and consists of a semi-automatic crystal pickup mechanism which will play 10" or 12" records. The pickup is placed on the record automatically when the lid is closed.

Model 40-506 is assembled in a console type cabinet and consists of a manually operated crystal pickup and will play 10" or 12" records. An automatic switch is provided on this model that starts the phonograph motor when the pickup is lifted from the mounting.

The specifications and the instructions for alignment of the compensators for the radio receivers in these models are the same as Model 40-135. The power consumption and cabinet dimensions, however, differ from those of Model 40-135.

CABINET DIMENSIONS:	Height	Width	Depth
Model 40-506	34"	26 3/4"	14"
Model 40-503	13 1/8"	13 1/8"	13 1/2"

POWER CONSUMPTION:
Model 40-503—65 watts.
Model 40-506—65 watts.

REPLACEMENT PARTS

SCHE. No.	DESCRIPTION	PART No.	SCHE. No.	DESCRIPTION	PART No.	SCHE. No.	DESCRIPTION	PART No.
1	Loop Assembly	38-9926	34	Cone & Voice Coil Assembly:			Cabinet (40-506)	10408A
1A	Compensator	31-6318		For Spkr. 36-1484-2, 40-503	36-4126		Cable (Power)	L-3199
1B	Mica Condenser (250 mfd.)	61-0033		For Spkr. 36-1487-2, 40-506	36-4088		Cable (Speaker)	41-3430
1C	Resist. (10,000 ohms, 1/2 watt)	33-310339		For Spkr. 36-1487-3, 40-506	36-4128		Cable (Radio-Phono)	L-3217
2	Mica Condenser (250 mfd.)	61-0033	35	Field Coil			Dial Scale	27-5506
3	Mica Condenser (1250 mfd., 40-503)	5886		(For 40-503, Replace Spkr.)	36-1484		Drive Cord (Pointer Drive)	31-2399
				(For 40-506, Replace Spkr.)	36-1487		Drive Cord (Cond. Drive)	31-2400
4	Tubular Condenser (.05 mfd.)	30-4518	36	Electrolytic Condenser (12 mfd., 475 V., 40-503)	30-2410		Drive Drum (Tuning)	38-9883
5	Resistor (1.0 meg., 1/2 watt)	33-510339		(4 mfd., 400 V., 40-506)	30-2411		Escutcheon (Station Tubes)	28-5742
6	Tubular Condenser (.05 mfd.)	30-4518	37	Electrolytic Condenser (12 mfd., 475 V., 40-503)	30-2410		Knobs (Vol., Tone., Wave Sw.)	27-4332
7	Resis. (270,000 ohms, 1/2 watt)	33-427339		(12-20 mfd., 475 V., 40-506)	30-2437		Knob (Pushbutton Switch)	27-4824
8	R. F. Transformer	32-3283	38	Resistor (39 ohms, 1/2 watt)	33-039339		Motor (Phono) Model 40-503	35-2021
9	Tuning Condenser	31-2374	39	Resistor (220 ohms, 1 watt)	33-122431		Motor Con. Plug (Female)	41-3507
10	Resistor (5600 ohms, 1/2 watt)	33-256339	40	Power Transformer (115 V., 50-60 cycles)	32-8064		Motor Connecting Plug (Male, 40-503, 40-506)	27-4863
11	Resist. (47,000 ohms, 1/2 watt)	33-347339	41	Bakelite Cond. (.01-.01 mfd.)	3903-DG		Motor Switch	42-1536
12	Mica Condenser (250 mfd.)	61-0033	42	Pilot Lamps	34-2064		Pilot Lamp	34-2064
13	Tubular Condenser (.05 mfd.)	30-4518	43	Wave Switch	42-1494		Pilot Light Socket Assy.	38-9904
14	Tubular Condenser (.05 mfd.)	30-4518	44	Pushbutton Switch	42-1528		Pointer	56-1532
15	Resist. (10,000 ohms, 1/2 watt)	33-310339	45	Padder Strip	31-6315		Plate Switch	28-2401
16	Mica Condenser (250 mfd.)	61-0033	46	Pickup Cable (Model 40-503)	L-3198		Pickup Assembly (40-503)	35-2028
17	Oscillator Transformer	32-3212	47	Resistor (47,000 ohms, 1/2 watt, Model 40-503)	33-347339		Pickup Assembly (40-506)	35-2042
18	1st I. F. Trans. Assembly	32-3210	48	Crystal Cartridge (Pickup, Model 40-503)	415-1027		Shaft (Tuning)	56-6052
19	Resistor (27,000 ohms, 1 watt)	33-327439	49	Condenser, Tubular (.01 mfd.)	30-4518		Spring (Cond. Drive Cord)	28-8751
20	Resistor (1,000 ohms, 1/2 watt)	33-210339	50	Crystal Cartridge (Pickup, Model 40-506)	415-1027		Spring (Pointer Drive Cord)	28-8953
21	2nd I. F. Trans. Assembly	32-3281	51	Pickup Cable (Model 40-506)			Spring (Tuning Shaft Assy.)	28-8955
22	Resistor (2.2 meg., 1/2 watt)	33-522339	52	Radio-Phono. Switch	42-1523		Speaker (40-503)	36-1484
23	Tubular Condenser (.01 mfd.)	30-4572	53	Motor (110 V., 60 cycles)	35-2021		Speaker (40-506)	36-1487
24	Volume Control (.5 meg.)	33-5332	54	Motor Switch (40-506)	42-1536		Switch (Motor)	42-1498
25	Resistor (4.7 meg., 1/2 watt)	33-547339	55	Motor Switch (40-503)	42-1498		Sockets	56-0575
26	Mica Condenser (250 mfd.)	61-0033	56	Cable (Radio-Phono)	L-3217		Tab Kit (Station Call Letters)	40-8473
27	Tubular Cond. (.004 mfd.)	30-4578		Condenser (.05 mfd.)	30-4518		MOUNTING PARTS	
28	Resistor (1.0 meg., 1/2 watt)	33-510339					Sleeve (Chassis Mtg.)	28-5274
29	Resis. (330,000 ohms, 1/2 watt)	33-433339					Screw (Chassis Mtg., 40-503)	W-2030
30	Tubular Condenser (.03 mfd.)	30-4449					Screw (Chassis Mtg., 40-506)	W-783
31	Tubular Condenser (.02 mfd., 40-503)	30-4481					Screw (Motor Mtg.)	W-599
	(.006 mfd., 40-506)	30-4504					Screw (Pickup Mtg.)	W-2027
32	Tone Control & On-Off Switch	42-1520					"T" Nut (Motor Mtg.)	W-1758
33	Output Transformer	32-8063					Washer (Motor Mtg.)	W-1366
							"C" Washer (Tuning Shaft)	28-2043

PRODUCTION CHANGES

Beginning with Run No. 3, Model 40-503, and Run No. 2, Model 40-506, the Second I. F. Transformer (21) changed from Part No. 32-3281 to 32-3382. This change made to prevent oscillation at the low end of the Broadcast Band.

