

Monitor Equipment Corp.

Model: TC56M

Chassis:

Year: Pre 1948

Power:

Circuit:

IF:

Tubes:

Bands:

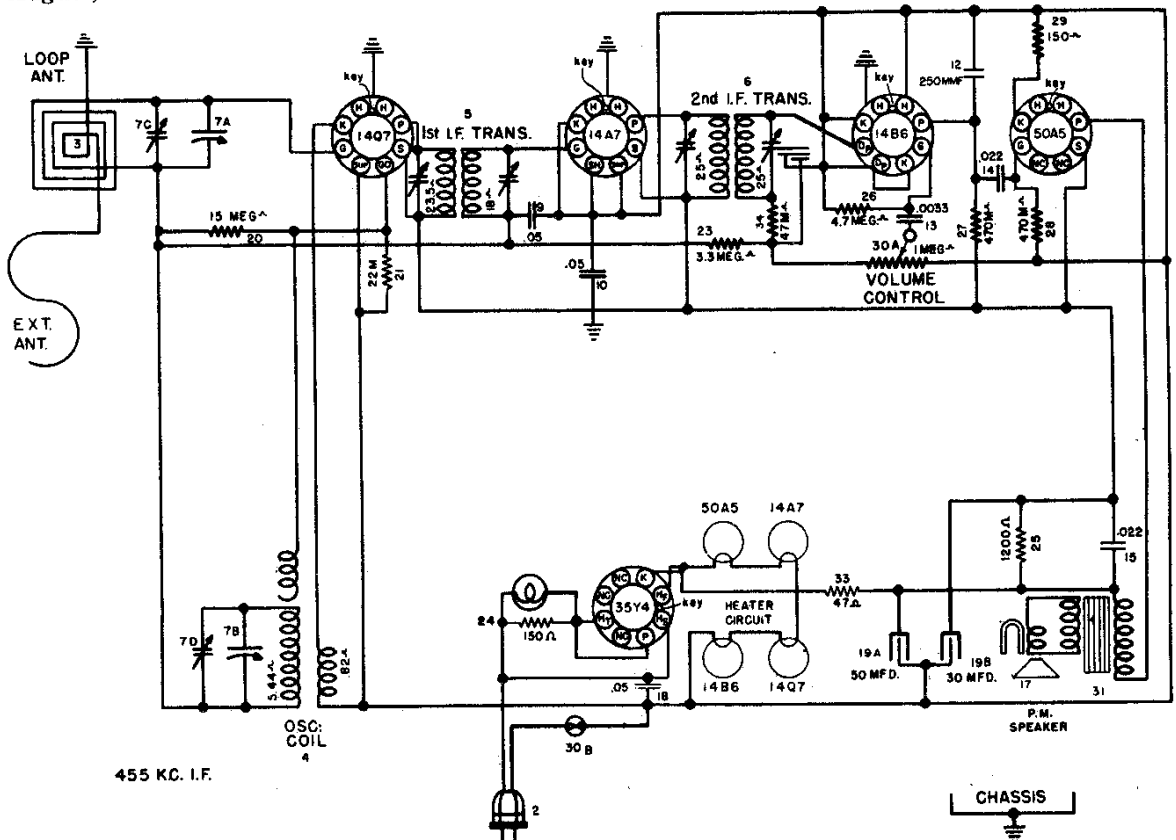
Resources

Riders Volume 16 - MONITOR 16-1

Riders Volume 16 - MONITOR 16-2

MONITOR EQUIPMENT CORPORATION MODELS TA56M, TC56M, TW56M

August, 1946



SCHMATIC DIAGRAM

When using direct current it may be necessary to reverse the position of the power plug in the electric outlet for correct polarity. Reversing the position of the power plug when alternating current is used may reduce power hum. UNDER NO CIRCUMSTANCES SHOULD A GROUND BE CONNECTED TO THIS RECEIVER.

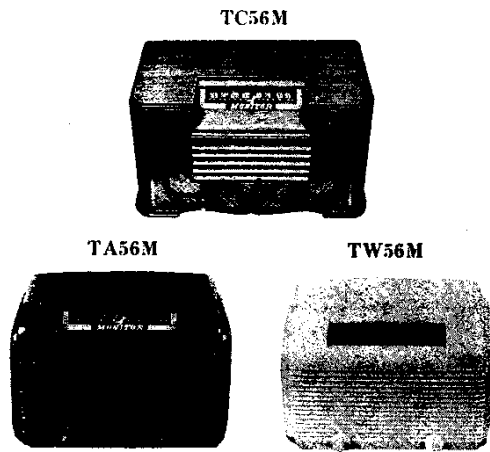
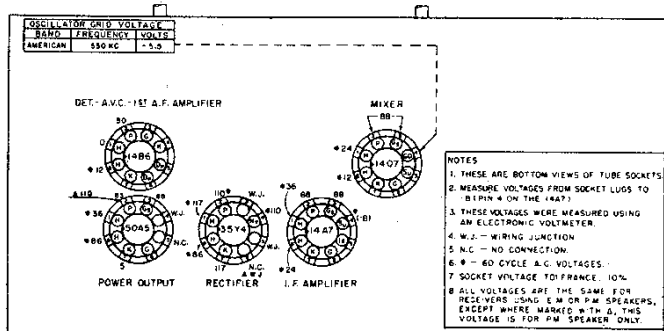
PARTS LIST

Figures in first column correspond to figures in Schematic Diagram

ITEM No.	PART No.	DESCRIPTION	ITEM No.	PART No.	DESCRIPTION
1	W-48858	Bulb (dial), Type 47, 6.3 v., .15 amp.	28	39294-29	Resistor, 470,000 ohm, 1/2 w.
2	C-132300-1	Cable and Plug (power)	29	39294-8	Resistor, 150 ohm, 1/2 w.
3	AC-135209	Ant. Loop and Back Assy. (TA56M, TW56M)	30A	C-135127	Control, Volume (1 megohm) } Assy.
	AC-135253	Ant. Loop and Back Assy. (TC56M)	30B		Switch (power)
4	AW-135195	Oscillator Coil Assembly	31	B-135077	Transformer (output)
5	AW-137665	Transformer (1st I.F.)	33	W-137367	Resistor, 47 ohm, 1 w.
6	AW-137667	Transformer (2nd I.F.)	34	Part of Item #6	Resistor, 47,000 ohm, 1/2 w.
7A	B-135202	Condenser (variable) } Two		W-135371	Socket (tube)
7B		Condenser (variable) } Section		39017-5	Socket (dial light)
7C	Part of Item #7A	Condenser (trimmer)		AB-135135	Plate Assembly (dial)
7D	Part of Item #7B	Condenser (trimmer)		W-135074	Pulley (idler)
9	39001-65	Condenser, .05 mfd., 200 v., paper		B-135094	Pointer (dial)
10	39001-65	Condenser, .05 mfd., 200 v., paper		B-135075	Shaft (drive)
12	39001-73	Condenser, 250 mmf., 600 v., paper		W-134916	Washer (spring)
13	39001-10	Condenser, 3300 mmf., 600 v., paper		W-51071	Ring (retaining)
14	39001-63	Condenser, .022 mfd., 200 v., paper		W-131154-1	Cotter (external)
14	39001-63	Condenser, .022 mfd., 200 v., paper		W-51752	Spring (drive cord)
17	B-136765	Speaker		W-134955	Grommet
18	39001-65	Condenser, .05 mfd., 200 v., paper		W-135164	Bumper
19A	B-136770	Condenser, 50 mfd., 150 v. } Two Section		W-136630	Trimount Stud
19B		Condenser, 30 mfd., 150 v. } Elect. Filter		R-135163	Cabinet (TA56M)
20	39294-38	Resistor, 15 megohm, 1/2 w.		AW-135245	Cabinet (TW56M)
21	39294-21	Resistor, 22,000 ohm, 1/2 w.		D-135235	Cabinet (TC56M)
23	39294-34	Resistor, 3.3 megohm, 1/2 w.		B-135461	Dial Glass
24	39294-8	Resistor, 150 ohm, 1/2 w.		W-135391	Knob (TA56M, TC56M)
25	39015-26	Resistor, 1200 ohm, 1 w.		W-135390	Knob (TW56M)
26	39294-35	Resistor, 4.7 megohm, 1/2 w.		W-132124	Trimount Stud (TA56M, TW56M)
27	39294-29	Resistor, 470,000 ohm, 1/2 w.			

MODELS TA56M, TC56M, MONITOR EQUIPMENT CORPORATION
TW56M

SOCKET VOLTAGE CHART



DESCRIPTION

TYPE: Five-tube, single-band, superheterodyne.
FREQUENCY RANGE: 540 to 1600 kc.
INTERMEDIATE FREQUENCY: 455 kc.
POWER SUPPLY: a.c.—d.c.
VOLTAGE RATING: 105-125 volts.
POWER CONSUMPTION: 35 watts nominal.
POWER OUTPUT: 1 watt minimum.

TUBE COMPLEMENT:

Type	Function
14Q7	Mixer
14A7	I.F. Amplifier
14B6	Detector; AVC, 1st A.F. Amplifier
50A5	A.F. Power Output
35Y4	Rectifier

DIAL BULB: Type 47, 6.3 volts, .15 amp.

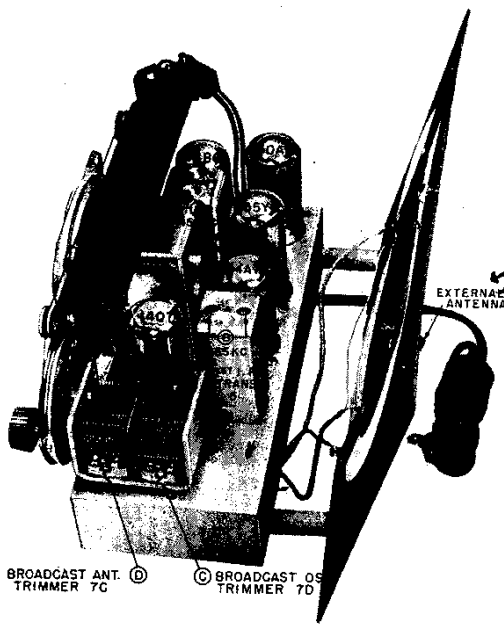
ALIGNMENT PROCEDURE

1. Turn the tuning condenser to the completely closed position against the stop and set the dial pointer to the reference line at the end of the dial scale.
2. Connect the output meter across the speaker coil,
3. The r.f. signal input from the signal generator should be connected to the external antenna lead. Connect the signal generator ground through a 0.1 mfd. condenser to —B (pin 4 on 14A7 tube socket).
4. Turn the volume control on full and adjust the signal generator output to produce approximately mid-scale deflection of the output meter, but maintain signal generator output as low as possible to prevent AVC action in the receiver.

ALIGNMENT CHART

Alignment adjustment locations are shown in Chassis, Side View at the right.

Alignment sequence	Signal Gen. Output			Position of Tuning Dial	Adjust for
	Frequency in KC	In Series with	To		
1	455	200 mmf.	Ant.	1620	A & B
2	1620	200 mmf.	Ant.	1620	C
3	1400	200 mmf.	Ant.	1400	D



CHASSIS, SIDE VIEW