

MODELS TH-9, TH-18 and TH-22

SPECIFICATIONS

Models TH-9, TH-18 and TH-22 are five tube, superheterodyne radios covering frequency ranges as follows:

TH-9 — 540 — 1720 K. C.	3.0 — 10 M. C.
TH-18 — 540 — 1720 K. C.	5.5 — 19 M. C.
TH-22 — 540 — 1720 K. C.	7.0 — 24 M. C.

These models are similar with the exception of the tuning frequency ranges and cabinets.

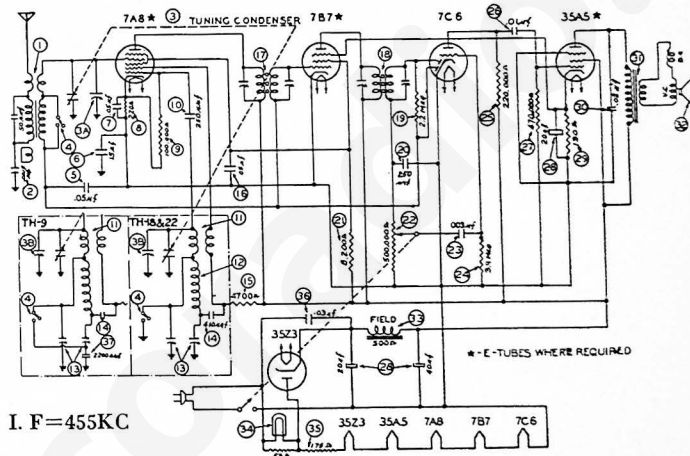
INTERMEDIATE FREQUENCY: 455 K. C.

POWER SUPPLY: Operates on either a 115 volt alternating current (A. C.) or 115 volt direct current (D. C.) power supply.

PHILCO TUBES USED: One 7A8, converter; one 7B7, I. F. amplifier; one 7C6, 2nd detector, 1st audio, A. V. C.; one 35A5, audio output and one 35Z3, rectifier.

ALIGNING PROCEDURE: The procedure for aligning the R. F. and I. F. circuits will be found on page 7.

AERIAL CONNECTIONS: A 20 foot indoor aerial is provided with the receiver for average receiving conditions. In steel reinforced buildings, apartment houses and locations where signal strength is weak, an external aerial should be used. If an external aerial is necessary, Philco Utility Aerial, Part No. 40-6384, is recommended.



REPLACEMENT PARTS

SCHE. No.	DESCRIPTION	PART No.	SCHE. No.	DESCRIPTION	PART No.	SCHE. No.	DESCRIPTION	PART No.
1	Antenna Transformer	{ TH-9 32-3235 TH-18 32-3233 TH-22 32-3215	20	Mica Condenser (250 mmf.)	30-1032			
2	Tubular Condenser (.0015 mf., 200 v.)	30-4555S	21	Resistor (8,200 ohm, 1/4 watt)	33-232134			
3	Tuning Condenser	{ TH-9 31-2385 TH-18, TH-22 31-2377	22	Volume Control	33-5306			
4	Wave Switch	42-1497	23	Tubular Condenser (.003 mf., 200 v.)	30-4580			
5	Tubular Condenser (.05 mf., 200 v.)	30-4519S	24	Resistor (3.9 megohm, 1/4 watt)	33-539134			
6	Tubular Condenser (.15 mf., 400 v.)	30-4600	25	Resistor (220,000 ohms, 1/4 watt)	33-222154			
7	Tubular Condenser (.05 mf., 200 v.)	30-4519S	26	Tubular Condenser (.01 mf., 200 v.)	30-4531			
8	Resistor (220 ohms, 1/4 watt)	33-122254	27	Resistor (470,000 ohms, 1/4 watt)	33-447154			
9	Resistor (100,000 ohms, 1/4 watt)	33-410154	28	Electrolytic Condenser	30-2402			
10	Mica Condenser (250 mmf.)	30-1032	29	Resistor (130 ohms, 1/3 watt)	33-113336			
11	Short Wave Oscillator Trans.	{ TH-9 32-3236 TH-18 32-3234 TH-22 32-3216	30	Tubular Condenser (.02 mf., 400 v.)	30-4516			
12	BC Oscillator Transformer	{ TH-9 32-3244 TH-18, TH-22 32-3217	31	Output Transformer				
13	Dual Padding Condenser	{ TH-9 31-6304 TH-18, TH-22 31-6303		(for Speaker 36-1469-1).....	32-8047			
14	Mica Condenser (410 mmf.)	30-1089		(for Speaker 36-1469-2).....	32-8044			
15	Resistor (4700 ohm, 1/4 watt)	33-247134		(for Speaker 36-1469-9).....	32-8044			
16	Tubular Condenser (.05 mf., 200 v.)	30-4519	32	Speaker	36-1469			
17	1st I. F. Transformer	32-3149		Cone Assembly				
18	2nd I. F. Transformer	32-3150		(for Speaker 36-1469-1).....	36-4115			
19	Resistor (2.2 megohms, 1/4 watt)	33-522154		(for Speaker 36-1469-2).....	36-4132			
				(for Speaker 36-1469-9).....	36-4113			
			33	Field Coil — Part of Speaker No.	36-1469			
			34	Pilot Lamp	34-2088			
			35	Line Resistor	33-3367			
			36	Tubular Condenser (.08 mf., 400 v.)	30-4517			
			37	Mica Condenser (2500 mmf.)	30-1129			

MISCELLANEOUS PARTS

Cable (Power)	1-3199
Cabinet Back (TH-18E)	27-9368
Cabinet Back (TH-18EW)	27-9383
Cabinet (TH-18EAV)	10392A
Cabinet (TH-18, TH-18E)	10364A
Clip (Coil Mounting)	28-5002
Dial (TH-18)	27-5515
Dial (TH-18E)	27-5520
Dial Drive Cord	31-2393
Dial Drive Drum	28-6662
Dial Drive Shaft	31-2355
Dial Window	27-5472
Grille Cloth & Gasket (TH-18E)	318-1120
Knob (Tuning and Volume)	27-4809
Pointer (Dial—TH-18)	36-1494
Speaker	36-1469
Spring (Drive Cord)	28-8751
Snaps Fastener (Dial)	36-1387
Socket (Pilot Lamp)	38-9825
Screw (Chassis Mounting)	W-2176
Screw (Cabinet Back)	W-2168
Screw (Cabinet Back TH-18EW)	W-2023
Screw (Back Mounting)	W-2168