

Pilot Radio Corp.

Model: T-500

Chassis:

Year: Pre 1948

Power:

Circuit:

IF:

Tubes:

Bands:

Resources

Riders Volume 15 - PILOT 15-7

Riders Volume 15 - PILOT 15-8

PILOT RADIO CORP.

Broadcast Band—535 to 1720 kc
Short Wave Band—5.6 to 24.0 mc

ALIGNMENT CHART

Steps	RECEIVER		SIGNAL GENERATOR		Dummy Antenna	Trimmer to be adjusted
	Circuit Aligned	Band Switch	Dial Pointer	Frequency		
1	IF	BC	low end of dial	455 kc	grid of 12SA7	#1, 2, 3, 4
2	SW	SW	18 mc	18 mc	antenna clip	first. osc. #5; then. ant. #6
3	BC	BC	1500 kc	1500 kc	antenna clip	osc. #7
4	BC	BC	600 kc	600 kc	antenna clip	rock-in for max. reading with padder #8
5	Repeat Step No. 3					

Alignment should be attempted only if a low range A.C. meter, a signal generator, and insulated alignment tools are at your disposal. The A.C. meter is used as an outputmeter. The signal generator must cover a frequency range from 450 kc to 24 mc.

It is essential that the signal generator be connected to the points indicated in the alignment chart through the proper dummy antenna.

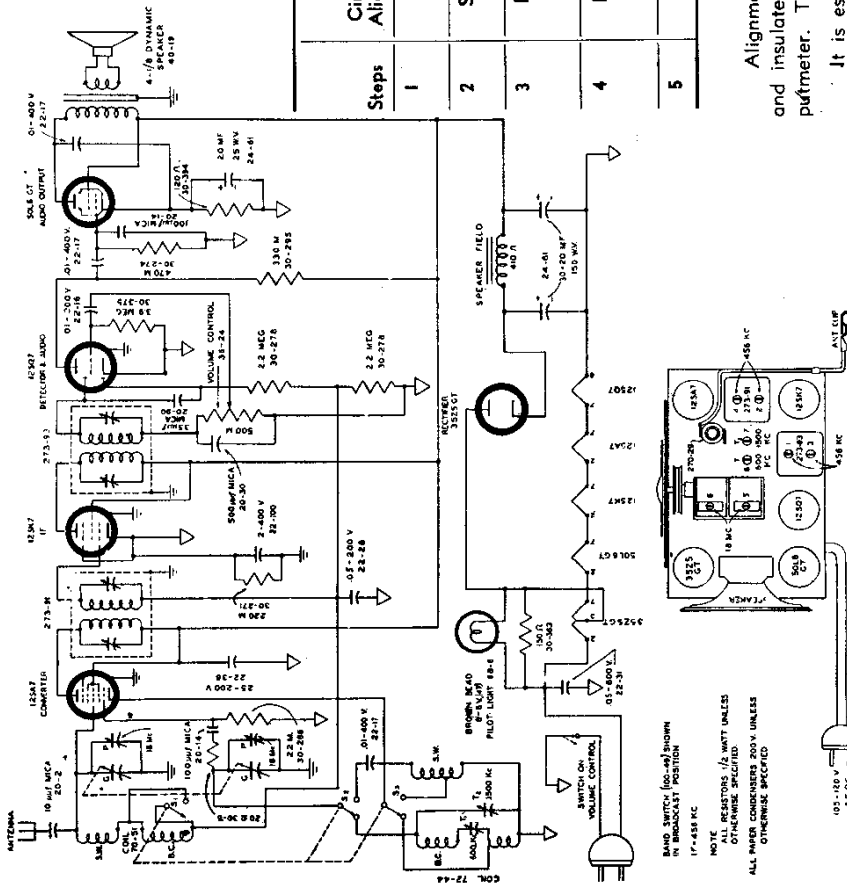
A good ground connection, secured between the groundpast of the signal generator and the chassis, is necessary.

The output of the signal generator must always be kept at its lowest possible value. This is to prevent the automatic volume control of the receiver from interfering with accurate alignment.

During alignment, the line voltage feeding the receiver power supply should be kept at approximately 117 volts.

The locations of adjustment screws are indicated clearly on the schematic diagram. Alignment adjustments should be made only in the sequence given in the chart.

For all alignments, connect the outputmeter across the voice coil. With the volume control turned fully clockwise, tune for a maximum reading.



BAND SWITCH (100-40) BUSHBY IN BROADCAST POSITION
NOTE
ALL RESISTORS 1/2 WATT UNLESS OTHERWISE SPECIFIED.
ALL TUBER CONNENERS 200V UNLESS OTHERWISE SPECIFIED

PART NO	SYMBOL	DESCRIPTION
26-28	G	CAMP. CONDENSER
26-29	P	LINK CONDENSER
27-18	V-T	DIAL TRIMMER
27-19	S, S, S	BAND SWITCH
27-20	R	5.0 MEG. RES.
27-21	R	5.0 MEG. RES.
27-22	R	5.0 MEG. RES.
27-23	R	5.0 MEG. RES.
27-24	R	5.0 MEG. RES.
27-25	R	5.0 MEG. RES.
27-26	R	5.0 MEG. RES.
27-27	R	5.0 MEG. RES.
27-28	R	5.0 MEG. RES.
27-29	R	5.0 MEG. RES.
27-30	R	5.0 MEG. RES.
27-31	R	5.0 MEG. RES.
27-32	R	5.0 MEG. RES.
27-33	R	5.0 MEG. RES.
27-34	R	5.0 MEG. RES.
27-35	R	5.0 MEG. RES.
27-36	R	5.0 MEG. RES.
27-37	R	5.0 MEG. RES.
27-38	R	5.0 MEG. RES.
27-39	R	5.0 MEG. RES.
27-40	R	5.0 MEG. RES.
27-41	R	5.0 MEG. RES.
27-42	R	5.0 MEG. RES.
27-43	R	5.0 MEG. RES.
27-44	R	5.0 MEG. RES.
27-45	R	5.0 MEG. RES.
27-46	R	5.0 MEG. RES.
27-47	R	5.0 MEG. RES.
27-48	R	5.0 MEG. RES.
27-49	R	5.0 MEG. RES.
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27-81	R	5.0 MEG. RES.
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27-88	R	5.0 MEG. RES.
27-89	R	5.0 MEG. RES.
27-90	R	5.0 MEG. RES.
27-91	R	5.0 MEG. RES.
27-92	R	5.0 MEG. RES.
27-93	R	5.0 MEG. RES.
27-94	R	5.0 MEG. RES.
27-95	R	5.0 MEG. RES.
27-96	R	5.0 MEG. RES.
27-97	R	5.0 MEG. RES.
27-98	R	5.0 MEG. RES.
27-99	R	5.0 MEG. RES.
27-100	R	5.0 MEG. RES.

SYM	DESC.
⊕	CHASSIS
⏚	GROUND

PILOT RADIO CORPORATION LONG ISLAND CITY, N.Y., U.S.A. SCHEMATIC DIAGRAM MODEL T-500	
DRAWN BY	AL
CHECKED BY	DATE: 7-24-45
APPROVED BY	DRAWING NO: 93-10

"clarified schematics"

PILOT RADIO CORP.

