

PHILCO Models E-748 and E-818

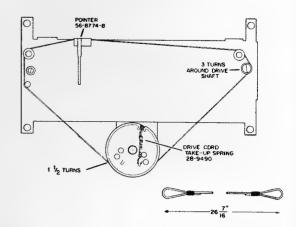
CHASSIS REMOVAL - MODEL E-748

- Remove knobs. Remove (2) 1/4-in. hex head drive screws from cabinet back. Disengage A.C. interlock. Remove back by freeing clock time set shaft and then swivel back around left side.
- Remove (2) 1/4-in. hex head drive screws from top corners of dial back plate.
- Remove (2) 1/4-in. hex head drive screws from cabinet bottom.
- 4. Remove (2) 1/4-in. hex head drive screws from rear bottom of chassis frame.

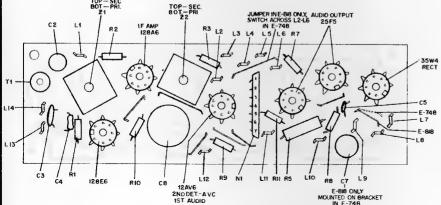
Tle	Lug No.	E-748 Connection
Ll		A-G-C ta Ant. and Gang
L2		Filament side at A-C Switch
L3		Detector Output ta J'1
L4		Arm of Valume Control
L5		Volume Control Return to B-
L6		A-C line, line side of A-C Switch, and Blac
		lead from T2
L7		One side of Pilot Lamp
L8	2 ⁵⁰ ber de een g	A-C line and ane side of Pilot Lamp
L9		Blue lead to T2, Output Transformer
L10		Orange Lead to T2
LII		Brown lead to T2
L12		Red lead to T2
L13		Oscillator section of Gana
L14		Ant. and Ant. section of Gang

CHASSIS REMOVAL - MODEL E-818

- Remove knobs. Remove (6) Phillips head wood screws from back. Disengage A.C. interlock. Remove back by swiveling toward left.
- Remove (2) 1/4-in, hex head screws and washers holding A.C. interlock bracket.
- Unsolder the two leads, from receiver panel, from the right hand speaker.
- Remove (4) 1/4-in. hex head drive screws that mount set to cabinet from the chassis bracket.



Dial Cord Stringing - Model E-818



Composite Base View — Models E-748 and E-818

E-818 Connection

A-G-C to Ani, and Gana

Oscillator section of Gang

Ant. and Ant. section of Gang

Not used
Detector Output to J1
Arm of Volume Control
Volume Control Return to B
Set side of A-C Switch, one side of Pilot Lamp,
and Black lead from T2
A-C line
Not used
Red lead to T2, Output Transformer
Brown lead to T2
Blue lead to T2
Yellow lead to T2

ALIGNMENT PROCEDURE

Radio Controls — Set volume control to maximum. Set tuning control as indicated in chart.

Output Meter —Connect across voice coil terminals.

Signal Generator — Connect generator and set frequency as indicated irr chart. Use modulated output, 30%.

Output Level — During alignment, adjust signal-generator output to hold output-meter reading below .5 volts.

ALIGNMENT CHART

STEP	SIGNAL GENERATOR		RADIO		
	CONNECTION TO RADIO	DIAL SETTING	DIAL SETTING	SPECIAL INSTRUCTIONS	ADJUST
1	Ground lead to 8—; output lead through a ,1 mf condenser to grid (pin 7) of 12BZ6.	455 kc.	Tuning gang fully open.	Adjust tuning cores, in order given, for maximum output. TCl and TC3 are located on top of transformers.	TC4—2nd i-f sec. TC3—2nd i-f pri. TC2—1st i-f sec. TC1—1st i-f pri.
2	Radiating loop. (See note below).	1620 kc.	1620 kc. *	Adjust for maximum output.	C1-Bosc.
3	Same as Step 2.	1500 kc.	1500 kc.	Adjust for maximum output.	Cl-Aaerial.

Note: Make up a 6-8 turn, 6 inch diameter loop from insulated wire, connect to signal-generator leads, and place near radio loop.

* For proper adjustment of the oscillator trimmer, fully open the tuning gang and insert a .006 inch non-metallic shim between the heel of the rotor and the top of the stator plates. Close the tuning gang sufficiently to hold the shim in place, and then remove the sbim without disturbing the gang setting.