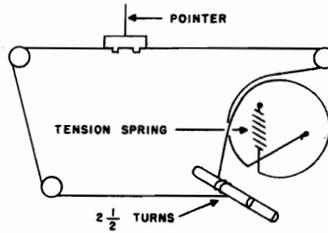
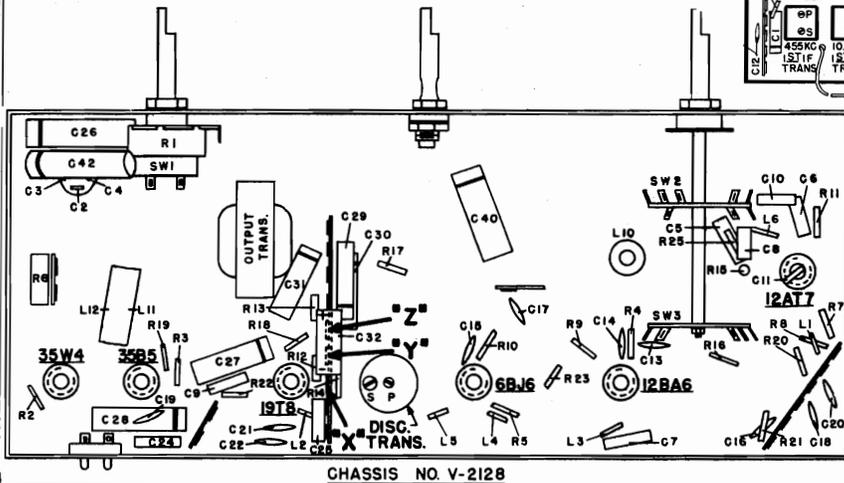
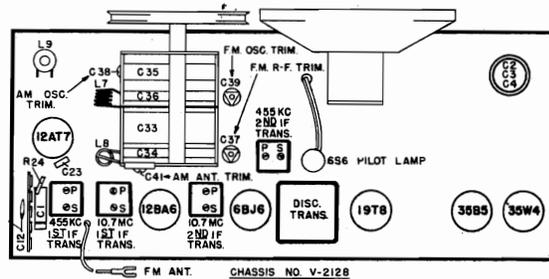
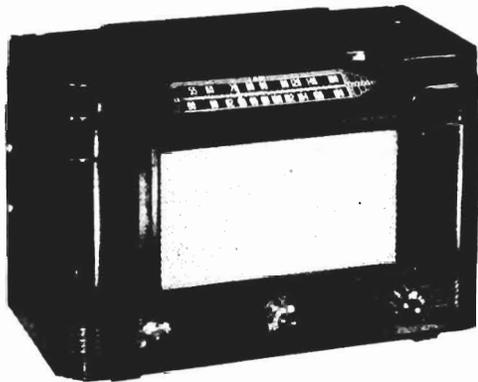


- NOTE
1. VOICE COIL DISCONNECTED.
 2. SELECTOR SWITCH SW2 AND SW3 IS SHOWN IN EXTREME COUNTER-CLOCKWISE POSITION OR AM BAND. SECOND POSITION CLOCKWISE IS FM BAND.
 3. ALL VOLTAGES MEASURED FROM CHASSIS (GND) USING 20,000 OHMS/VOLT METER—LINE VOLTAGE 117 V.A.C. READINGS SHOULD BE AS SHOWN \pm 20%.
 4. THE RATINGS OF SOME COMPONENTS USED IN PRODUCTION MAY VARY SLIGHTLY FROM THOSE SHOWN ABOVE.

CHASSIS NO. V-2128



WESTINGHOUSE ELECTRIC CORP.

MODEL H-182

**ALIGNMENT
BROADCAST BAND**

Connect an output meter across the speaker voice coil
While making the following adjustments, keep the volume control set for maximum output and the signal generator output attenuated to avoid AVC action.

Step	Connect Signal Generator to —	Signal Generator Frequency	Radio Dial Setting	Adjust
1.	Set Band Switch to AM			
2.	Pin #1 of 12BA6 tube through a 0.1 mfd capacitor	455 kc	1615 kc	Pri. and sec. of 455 kc 2nd I-F trans. for max. output
3.	Stator of tuning capacitor (C33) through a 0.1 mfd capacitor	455 kc	1615 kc	Pri. and sec. of 455 kc 1st I-F trans. for max. output
4.	Radiated signal (no actual connection)	1400 kc	1400 kc	AM osc. trimmer for max. output
5.	Radiated signal (no actual connection)	1400 kc	1400 kc	AM ant. trimmer for max. output (rock in adjustment)
6.	Recheck steps 4 and 5			

FM BAND

Do not align 10.7 mc I-F circuits until all 455 kc I-F adjustments have been completed.

1.	Set Band Switch to FM			
2.	Connect a VTVM between point "X" and ground. (See Figs. 1 and 3.)			
3.	Pin #1 of 12BA6 tube through a .002 mfd mica capacitor	UNMODULATED 10.7 mc	108 mc	Discriminator trans. primary and 10.7 mc. 2nd I-F trans. pri. and sec. for max. voltage.
4.	Reconnect VTVM between points "Y" and "Z". (See Figs. 1 and 3.)			
5.	Pin #1 of 12BA6 tube through a .002 mfd mica capacitor	UNMODULATED 10.7 mc	108 mc	Discriminator trans. secondary for zero voltage. The voltage will change polarity as the trimmer is tuned through resonance — tune carefully for zero.
6.	Reconnect VTVM between point "X" and ground.			
7.	Pin #1 of 12BA6 tube through a .002 mfd mica capacitor	UNMODULATED 10.7 mc	108 mc	Discriminator trans. primary and 10.7 mc. 2nd I-F trans. pri. and sec. for max. voltage.
8.	Place a temporary short across C34 (FM R-F tuning capacitor).			
9.	Pin #7 of 12AT7 tube through a .002 mfd mica capacitor	UNMODULATED 10.7 mc	108 mc	Pri. and sec. of 10.7 mc 1st I-F trans. for max. output
10.	Remove short from C34.			
11.	FM ant. terminals through a 300 ohm non-inductive resistor	UNMODULATED 108 mc	108 mc	FM osc. trimmer for max. output
12.	FM ant. terminals through a 300 ohm non-inductive resistor	UNMODULATED 98 mc	98 mc	FM R-F trimmer for max. output (rock in adjustment).
13.	Place a dab of thermal cement on the FM osc. and R-F trimmers to lock adjustment.			

TUBE COMPLEMENT:

- 1 12AT7 Osc.-Converter
- 1 12BA6 I-F Amp.
- 1 6BJ6 Ratio Det. Driver (FM)
- 1 19T8 Det., AVC, A-F Amp.
- 1 35B5 Output Amp.
- 1 35W4 Rectifier

OPERATING VOLTAGE:

105 to 120 volts 50-60 cycles A-C or 105 to 120 volts D-C.

POWER CONSUMPTION: 30 watts

MODEL H-182

WESTINGHOUSE ELECTRIC CORP.

Part No.	Description	Part No.	Description
V-5608	Background, dial	V-5602-1	Hinge, cover, for brown cabinet
V-5528-1	Baffle and Grille Cloth Assembly	V-5602-2	Hinge, cover, for ivory cabinet
V-5607	Bracket Assembly, dial background	V-5603	Insulator, retainer for power cord
V-5600	Bracket, cover, back	V-5560-1	Knob, FM-AM
V-5599	Bracket, dial	V-5558-1	Knob, tuning
V-5527	Bushing, insulator, control	V-5559-1	Knob, volume
V-5437S-1	Button, plug	No. 6S6	Lamp, pilot light
V-1153-2	Cabinet, plastic, brown	V-5638	Loop Assembly, antenna
V-1153-1	Cabinet, plastic, ivory	V-3891	Nut, speed, baffle mounting
RCP10M6102M	Capacitor, .001 mfd 600 v. (C1)	V-5721S	Palnut, 3/8-32
V-5493	Capacitor, dry electrolytic, 50 mfd 150 v. (C2)	V-5549	Plug, power cord (mounted on chassis)
	50 mfd 150 v. (C3)	V-4213	Pointer, dial
	20 mfd 25 v. (C4)	V-4187	Pulley
R5CC26ZY102M	Capacitor, ceramicon, 1000 mmf (C5, C6, C7)	RC20AE270K	Resistor, 27 ohms 1/2 w. (R2)
R5CC21ZY471M	Capacitor, ceramicon, 470 mmfd (C8, C9)	RC20AE181J	Resistor, 180 ohms 1/2 w. (R3)
R1CC21SL470K	Capacitor, ceramicon, 47 mmf (C10)	RC20AE680J	Resistor, 68 ohms 1/2 w. (R4, R5)
V-5658-1	Capacitor, 1 mmf (C11)	RC40AE102M	Resistor, 1000 ohms 2 w. (R6)
V-5596	Capacitor, Hi-Kap .005 mfd (C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22)	RC20AE102M	Resistor, 1000 ohms 1/2 w. (R7, R8, R9, R10)
V-5658-2	Capacitor, 2.2 mmfd (C23)	RC20AE103K	Resistor, 10,000 ohms 1/2 w. (R11)
RCM20A101K	Capacitor, mica, 100 mmf (C24, C25)	RC20AE153J	Resistor, 15,000 ohms 1/2 w. (R12, R13)
RCP10M6503M	Capacitor, .05 mfd 600 v. (C26)	RC20AE223M	Resistor, 22,000 ohms 1/2 w. (R14)
RCP10M4303M	Capacitor, .03 mfd 400 v. (C27)	RC20AE100K	Resistor, 10 ohms 1/2 w. (R15)
RCP10M6103M	Capacitor, .01 mfd 600 v. (C28)	RC20AE474M	Resistor, 470,000 ohms 1/2 w. (R16, R17, R18, R19)
RCP10M6202M	Capacitor, .002 mfd 600 v. (C29, C30, C31)	RC20AE105M	Resistor, 1 megohm 1/2 w. (R20)
V-4637	Capacitor, electrolytic 4 mfd 50 v. (C32)	RC20AE275M	Resistor, 2.7 megohms 1/2 w. (R21)
V-5494	Capacitor, variable, 2 gang (C33, C34, C35, C36, C37, C38, C39)	RC20AE106M	Resistor, 10 megohms 1/2 w. (R22)
RCP10M4104M	Capacitor, 0.1 mfd 400 v. (C40)	RC20AE126K	Resistor, 12 megohms 1/2 w. (R23)
V-4992	Capacitor, trimmer (C41)	RC20AE222K	Resistor, 2200 ohms 1/2 w. (R24)
RCP10M4503M	Capacitor, .05 mfd 400 v. (C42)	RC20AE472K	Resistor, 4700 ohms 1/2 w. (R25)
V-4638	Choke, filament (L1, L2, L3, L4, L5)	V-5050S-101	Screw #10-32, chassis mounting
V-4193S-1	Clamp, dial cord	V-5530	Shaft Assembly, dial drive
V-4886	Coil, filament (L6)	V-3344-2	Sleeve, spacer, variable capacitor mounting
V-5545	Coil, oscillator, FM (L7)	V-4292S-1	Socket, miniature molded, 7 prong
V-5546	Coil, RF, FM (L8)	V-5556-1	Socket, miniature molded, 9 prong
V-5605	Coil, antenna loading (L9)	V-4989	Socket, pilot light
V-5514	Coil, oscillator, AM (L10)	V-5533	Speaker, 5" P.M.
V-5743	Coil, choke, antenna (L11, L12)	V-3248S	Spring, dial drive
V-5517	Control, volume, 1.0 megohm (R1) and switch (SW1)	V-5534	Switch, selector (SW2, SW3)
V-4304-14	Cord Assembly, dial drive	V-5587	Teenut
V-5522	Cord, power, A-C (including socket)	V-4684	Terminal Board, ANT-GND
V-5610-1	Cover Assembly, back for brown cabinet (including loop, hinge, terminals, cord and socket)	V-5537	Transformer, output
V-5610-2	Cover Assembly, back for ivory cabinet (including loop, hinge, terminals, cord and socket)	V-5535	Transformer, 1st I-F, AM (C43, C44, L13, L14)
V-5523	Dial	V-5539	Transformer, 2nd I-F, AM (C45, C46, C47, C48, L15, L16, R26)
V-4236	Gasket, felt, speaker	V-5540	Transformer, 1st I-F, FM (C49, C50, L17, L18)
		V-5540	Transformer, 2nd I-F, FM (C51, C52, L19, L20)
		V-5538	Transformer, discriminator (C53, C54, C55, L21, L22, L23, L24)
		V-5606-1	Washer, felt, for knobs
		V-5526	Washer, insulator, for controls

CAUTION: One side of the power line is connected directly to the chassis in this model. Care must be exercised to avoid contacting the radio chassis and ground at the same time — *serious shock may result*. When making repairs or adjustments to the radio, it is recommended that the chassis be isolated from the power line by means of an isolation transformer.