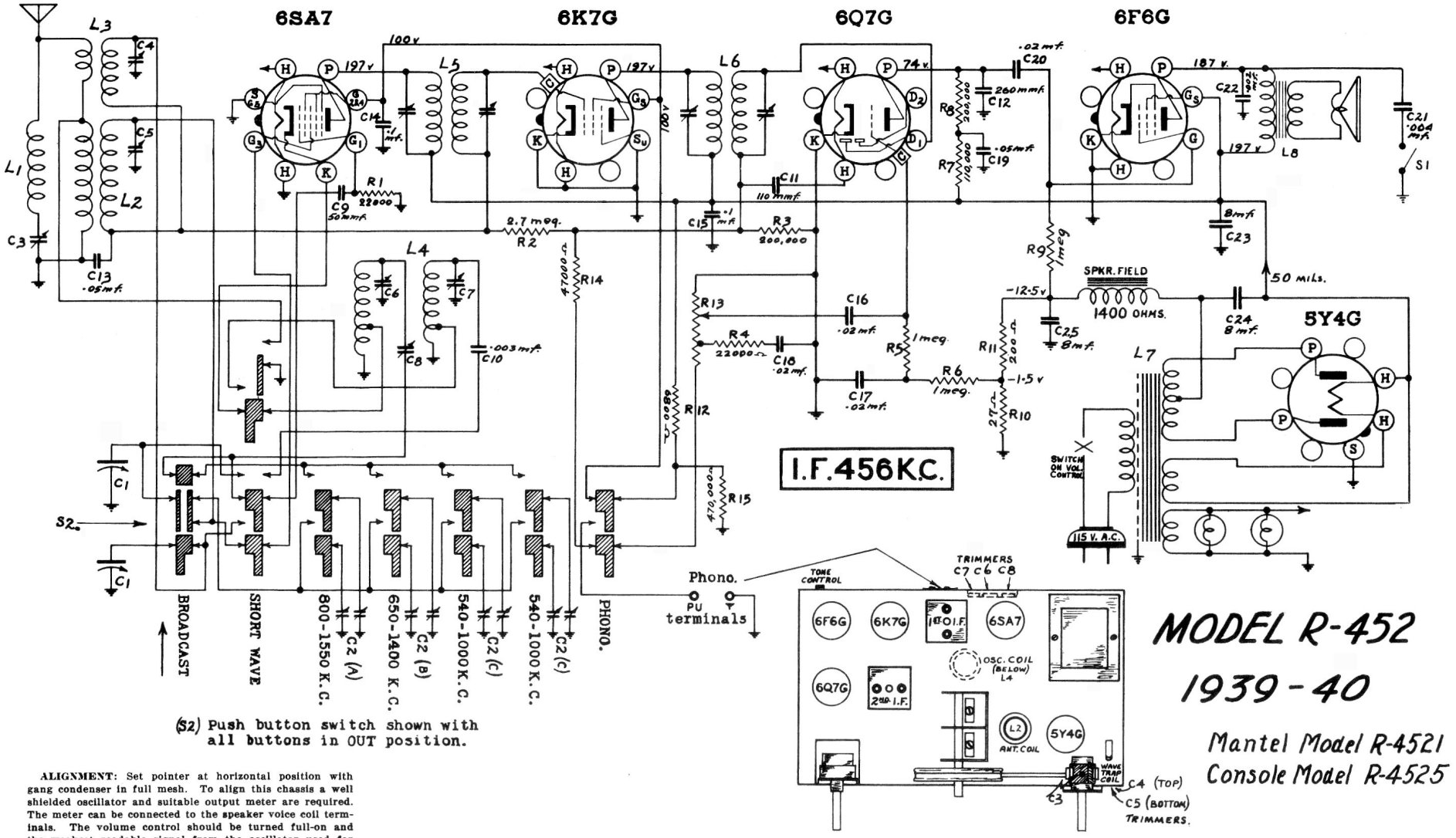

(S2) Push button switch shown with all buttons in OUT position.

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STEWART-WARNER

MODEL R-452

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Mantel Model R-4521
Console Model R-4525

ALIGNMENT: Set pointer at horizontal position with gang condenser in full mesh. To align this chassis a well shielded oscillator and suitable output meter are required. The meter can be connected to the speaker voice coil terminals. The volume control should be turned full-on and the weakest readable signal from the oscillator used for alignment. Proceed as follows, aligning the I.F. with the "Broadcast" push-button pressed in.

Alignment

No.	Dummy Antenna	Connection of Signal Gen. to Receiver	Signal Generator Frequency	Receiver Dial Setting	Trimmers to be Adjusted	Description of Adjustment
1.	.1 mfd condenser	Stator terminal on top of rear gang section	456 kc	Anywhere that does not affect the signal	2nd I.F. 1st I.F.	Peak both transformers for maximum output and then repeat operation
2.	Standard dummy	Antenna lead	456 kc	Appromixately 600 kc	Wave trap C3	Adjust for minimum output
3.	Standard dummy	Antenna lead	1500 kc	1500 kc	Oscillator shunt C6	Adjust to bring in signal
4.	Standard dummy	Antenna lead	1500 kc	1500 kc	Antenna shunt C5	Adjust for maximum output
5.	Standard dummy	Antenna lead	600 kc	600 kc	Oscillator series C8	Adjust for maximum output while rocking gang
6.	Standard dummy	Antenna lead	1500 kc	1500 kc	C6 and C5	Repeat operations 3 and 4
7.	400 ohm carbon resistor	Antenna lead	15000 kc	15000 kc	Oscillator shunt C7	Adjust to bring in signal
8.	400 ohm carbon resistor	Antenna lead	15000 kc	15000 kc	Antenna shunt C4	Adjust for maximum output while rocking gang

NOTE 1: A 200 mmf condenser may be used in place of the Standard Dummy antenna.
NOTE 2: If the receiver is weak in the neighborhood of 6000 kc the inductance of the short-wave antenna coil (L3) may be adjusted by slipping the secondary turns along the coil at the chassis end. However, this should very rarely be necessary.