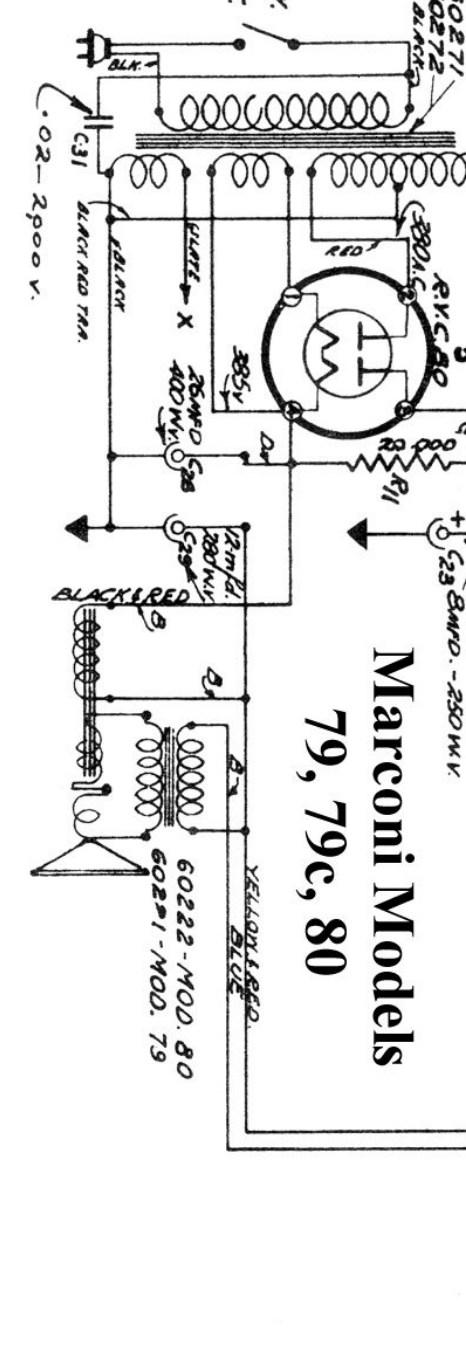
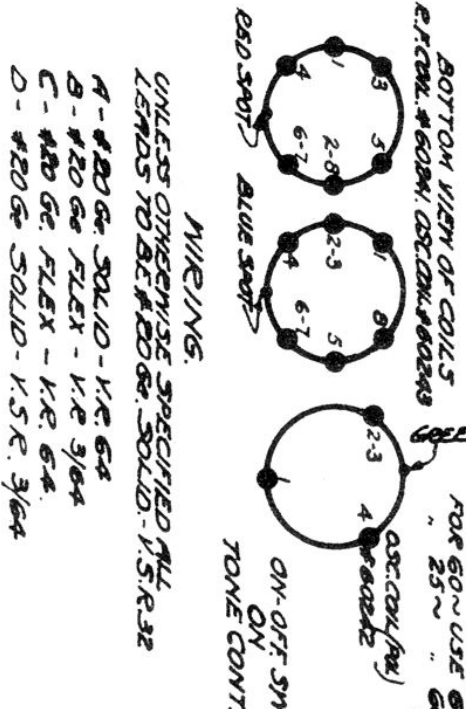
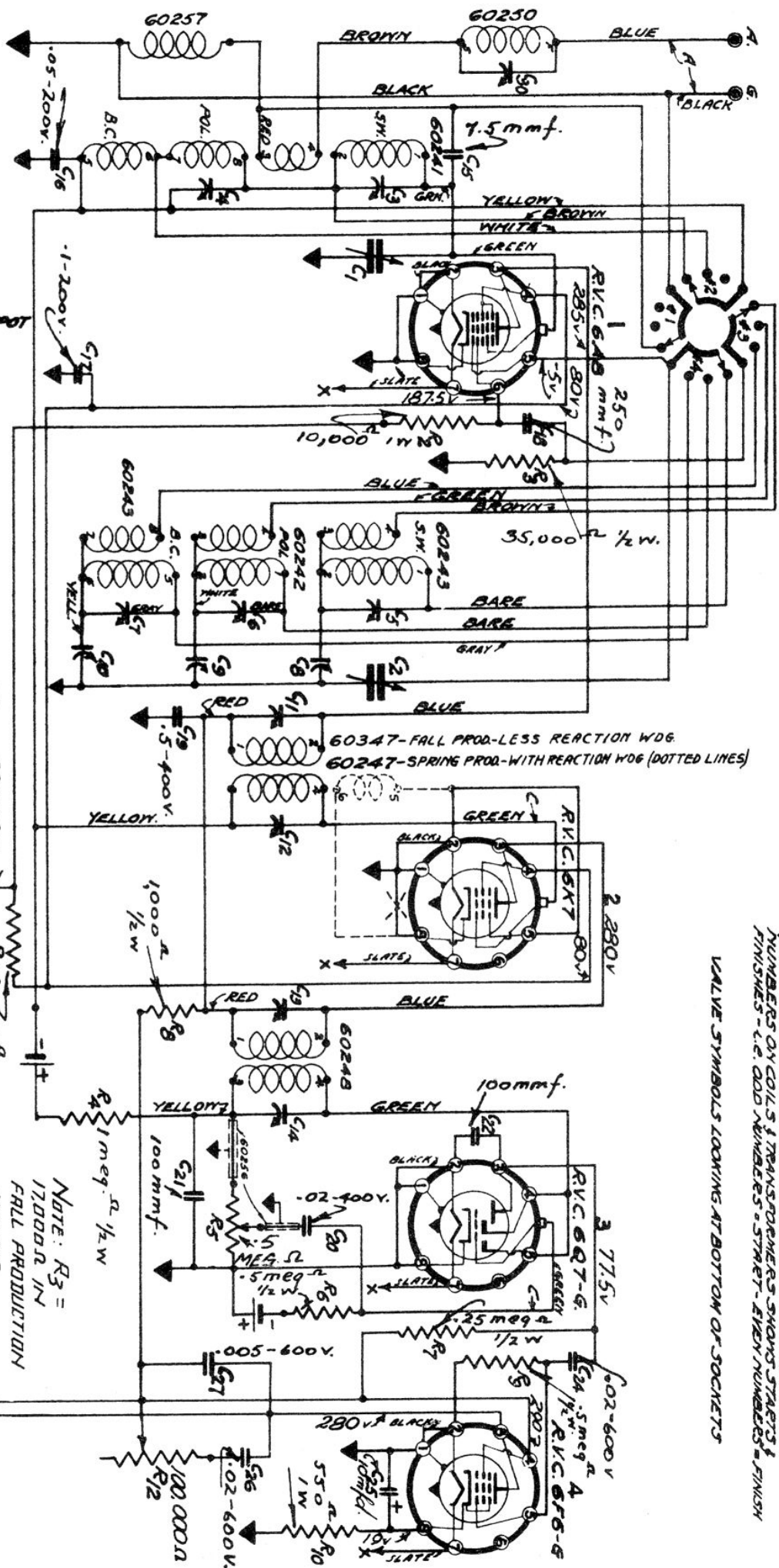


FRONT VIEW OF WAIVE-CHANGE SW. #60258
SWITCHES SHOWN IN S.W. POSITION.

↑ DENOTES CHASSIS

NUMBERS ON COILS & TRANSFORMERS SHOWS STARTS & FINISHES - I.E. ODD NUMBERS = START - EVEN NUMBERS = FINISH

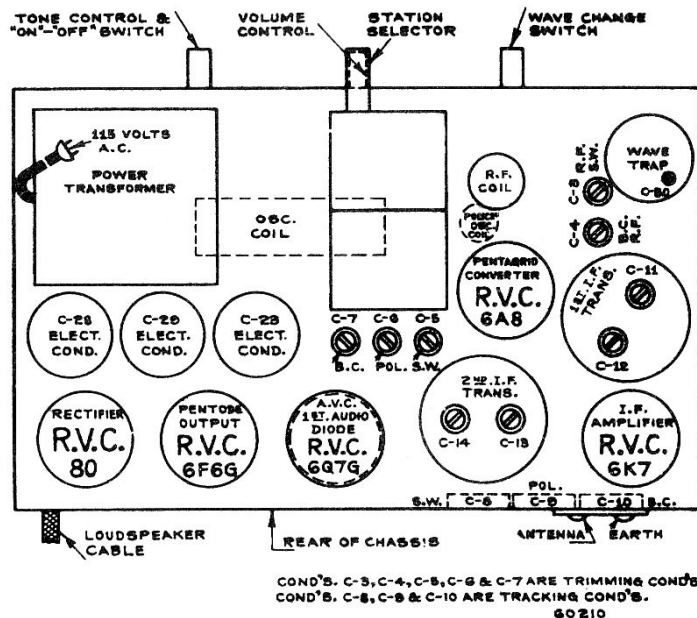
↑ VALVE SYMBOLS LOOKING AT BOTTOM OF SOCKETS



Marconi Models 79, 79c, 80

Note: R₃ =
17,000Ω IN
EARLIER PRODUCTION
MODELS.

Marconi Models 79, 79c, 80 Alignment Instructions



ALIGNMENT OF INTERMEDIATE FREQUENCY TRANSFORMERS

Set gang capacitor at minimum capacity and supply a modulated 462.5 KC signal from a test oscillator to the control grid cap of the 6A8 converter tube through a 0.1 mfd. capacitor leaving the grid connector in place. Adjust in order C14, C13, C12, and C11 for maximum output. This operation should be checked to ascertain that maximum output has been obtained.

ALIGNMENT OF BROADCAST BAND

- (1) Set gang capacitor at maximum capacity (plates meshed).
- (2) Set dial pointer to the last marking on the low frequency end of the dial.
- (3) Rotate tuning knob until pointer is at 1500 KC.
- (4) Supply a 1500 KC signal from a test oscillator to the aerial and ground leads.
- (5) Adjust broadcast oscillator trimmer C7 to tune in the 1500 KC signal.
- (6) Adjust broadcast R.F. trimmer C4 for maximum output.
- (7) Shift test oscillator to 580 KC.
- (8) Rotate the tuning capacitor until the 580 KC signal is reached.
- (9) Adjust broadcast oscillator tracking capacitor C10 while rocking the gang capacitor to and fro past the signal until the combination of adjustments giving the greatest reading of the output meter is obtained.
- (10) Recheck at 1500 KC.

ALIGNMENT OF POLICE BAND

- (1) Turn wavechange switch to police band - centre position.
- (2) Rotate tuning knob until pointer is at 4800 KC marking on dial.
- (3) Supply a 4800 KC signal from test oscillator to the aerial and ground leads.
- (4) Adjust police band oscillator trimmer C6 while rocking the gang capacitor to and fro past the signal until the combination of adjustments giving the greatest reading of the output meter is obtained.

Alignment of Police Band-Con.

- (5) Shift test oscillator to 1720 KC.
- (6) Rotate tuning capacitor until 1720 KC signal is reached.
- (7) Adjust police band oscillator tracking capacitor C9 while rocking the gang capacitor to and fro past the signal until the combination of adjustments giving the greatest reading of the output meter is obtained.

ALIGNMENT ON SHORT WAVE BAND

- (1) Turn wavechange switch to short wave band extreme left.
- (2) Rotate tuning knob until pointer is at 15 MC. marking on dial.
- (3) Supply a 15 MC signal from test oscillator to aerial and ground leads.
- (4) Adjust short wave oscillator trimmer C5 to tune in this signal.
- (5) Adjust short wave R.F. trimmer C3 for maximum output.
- (6) Shift test oscillator to 5600 KC.
- (7) Rotate tuning capacitor until 5600 KC signal is reached.
- (8) Adjust short wave oscillator tracking capacitor C8, while rocking the gang capacitor to and fro past the signal until the combination of adjustments giving the greatest reading of the output meter is obtained.
- (9) Recheck 15 MC alignment.

ALIGNMENT OF WAVE TRAP

- (1) Set gang capacitor to approximately 580 KC.
- (2) Supply a strong 462.5 KC signal to the aerial and ground leads.
- (3) Adjust C30 for MINIMUM output.