

# CANADIAN MARCONI COMPANY

## SERVICE DATA FOR MODEL 95

### ALIGNMENT

Every Marconi receiver is balanced, and the sensitivity measured on accurate crystal controlled signal generators before leaving the factory, and unless a part is changed, or the receiver otherwise altered, the adjustment should not be tampered with.

When alignment is thus required, an accurately calibrated service oscillator and output meter are essential.

The proper procedure is as follows:-

"A" Connect the service oscillator to the control grid of the 6A8 tube and the chassis.

Connect the output meter across the primary of the speaker transformer.

Set the service oscillator to 252.5 K.C., and adjust the trimmers on the I.F. transformers for the greatest output reading. These adjustments should be repeated several times using as weak an input signal as possible so as to obtain greater accuracy.

"B" Change the service oscillator lead from the grid of the 6A8 to the antenna connection. A male Delco Remy connector may be used in making a connection to the antenna lead.

Set the service oscillator at 1400 K.C.

Rotate the gang capacitor one and one fourth turns from the minimum setting. At the proper position eight teeth on the tuning gear will be visible past the gear bracket.

Adjust the oscillator, R.F. and antenna trimmers in that order to the point giving the greatest output.

"C" Set the service oscillator at 600 K.C. and rotate the gang capacitor to tune in this signal. Move the gang capacitor to and fro past the signal meanwhile adjusting the oscillator padder capacitor until the combination of adjustments giving the greatest reading of the output meter is obtained.

"D" Repeat operation "B".

### PARTS NO.

### PARTS LIST

#### DESCRIPTION

#### R.F. COILS, CHOKES & I.F. TRANSFORMERS

20-103	Filament Choke.....
20-128	R.F. Coil.....
20-132	Antenna Coil Assembly.....
95-342	1st I.F. Transformer.....
95-343	2nd I.F. Transformer.....
S-2778	R.F. Choke.....
S-4282	Antenna Choke Coil.....
S-4283	Oscillator Coil and Wire Assembly.....

#### CAPACITORS-BY-PASS, FIXED, VARIABLE AND ELECTROLYTIC

22-82	.001 mfd 600 volt.....
22-147	500 mmfd 600 volt.....
22-170	.1 mfd 400 volt.....
22-190	.1 mfd 200 volt.....
22-193	.5 mfd Ignition Coil Capacitor.....
22-194	.5 mfd Generator Coil Capacitor.....
22-196	.01 mfd 600 volt.....
22-212	.05 mfd 400 volt.....
22-224	.1 mfd 300 volt.....
22-250	.05 mfd 200 volt.....
22-327	.02 mfd 200 volt.....
22-456	365 mmfd 3 gang Variable.....
22-463	200-750 mmfd Padder.....
22-466	.5 mfd 200 volt.....
22-467	.2 mfd 200 volt.....
22-468	.5 mfd 200 volt.....
22-471	.008 mfd 1400 volt.....
22-474	4-8 mfd 300 volt.....
22-477	Dual 250 mmfd 600 volt.....
	30 mmfd Lo React Mica.....
	250 mmfd Lo React Mica (2 req'd).....

#### RESISTORS, VOLTAGE DIVIDERS AND VARIABLE CONTROLS

63-336	Distributor Suppressor.....
63-422	200 ohm $\frac{1}{2}$ watt.....
63-423	600 ohm $\frac{1}{2}$ watt.....
63-425	75 M ohm $\frac{1}{2}$ watt.....
63-426	250 M ohm $\frac{1}{2}$ watt.....
63-428	1200 ohm $\frac{1}{2}$ watt.....
63-443	300 ohm $\frac{1}{2}$ watt.....
63-446	750 M ohm $\frac{1}{2}$ watt.....
63-464	1 Megohm $\frac{1}{2}$ watt.....
63-490	49 M ohm $\frac{1}{2}$ watt.....
63-494	13 M ohm 2 watt.....
63-495	850 ohm $\frac{1}{2}$ watt.....
63-512	19 M ohm 1 watt.....
63-514	200 M ohm volume control & switch.....

#### SPEAKERS & SPEAKER PARTS

49-138	5-3/8" Dynamic speaker with output Trans. Cone & voice coil for 49-138.....
	Field Coil for 49-138.....
	Output Transformer for 49-138.....

#### SOCKETS-TUBE & SPEAKER-PLUGS

58-36	Speaker socket plug.....
78-115	Wafer socket for vibrator.....
78-148	Wafer socket for 6Q7 tube.....
78-149	Wafer socket for 6X5 tube.....
78-150	Wafer socket for 6K7 tube.....
78-151	Wafer socket for 6A8 tube.....
78-152	Wafer socket for 6F6 tube.....
78-153	Speaker Plug socket.....

