

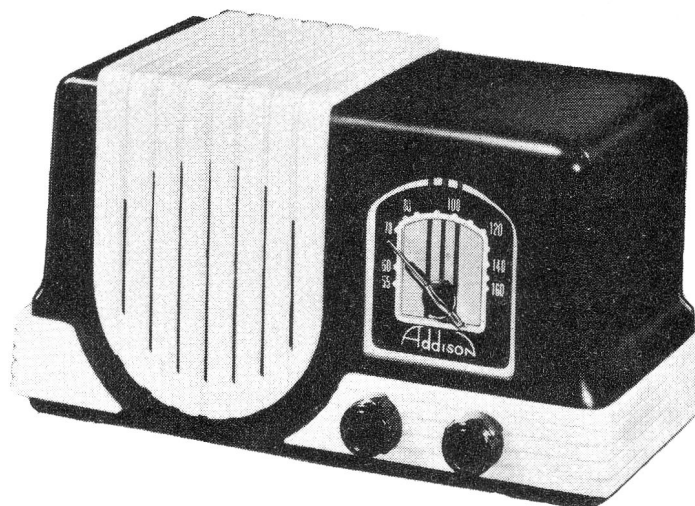
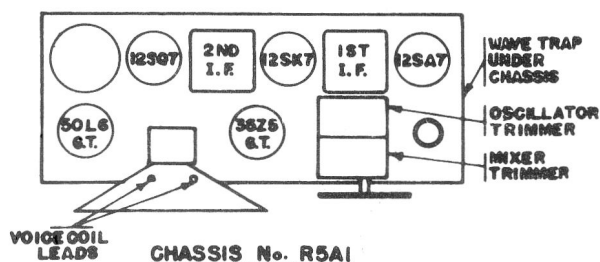
SERVICE INFORMATION

A. CROSS & COMPANY LTD.

WINNIPEG • TORONTO • MONTREAL

NORGE
HOUSEHOLD
APPLIANCES

Form No. 143-71



ADDISON R5A1 CHASSIS AS USED IN MODELS 2A, 2B, 2C

DESCRIPTION

The Model 2A, 2B, 2C, is a five tube AC, DC, superhetrodyne receiver covering the Standard Broadcast band.

FEATURES INCLUDE:

Catalin Cabinet; Dynamic Speaker; an Antenna consisting of 20 feet of wire coiled on a fibre form. Automatic Volume Control and a Beam-Power Output Tube.

TUNING RANGE

550 to 1600 Kilocycles.

TUBES AND THEIR FUNCTION

ONE 12SA7	Oscillator Modulator
ONE 12SK7	Intermediate Frequency Amplifier
ONE 12SQ7	Detector A.V.C. 1st Audio
ONE 50L6GT	Beam Power Output Tube
ONE 35Z5GT	Rectifier

ALIGNMENT PROCEDURE

The I.F. and B.C. circuits in this receiver have been accurately adjusted at the factory and any further adjustments should not be necessary but, however, if any adjustment is necessary the following procedure is to be carried out utilizing a modulated signal generator and output meter.

1. TUNING I.F. AMPLIFIER TO 456 KILOCYCLES

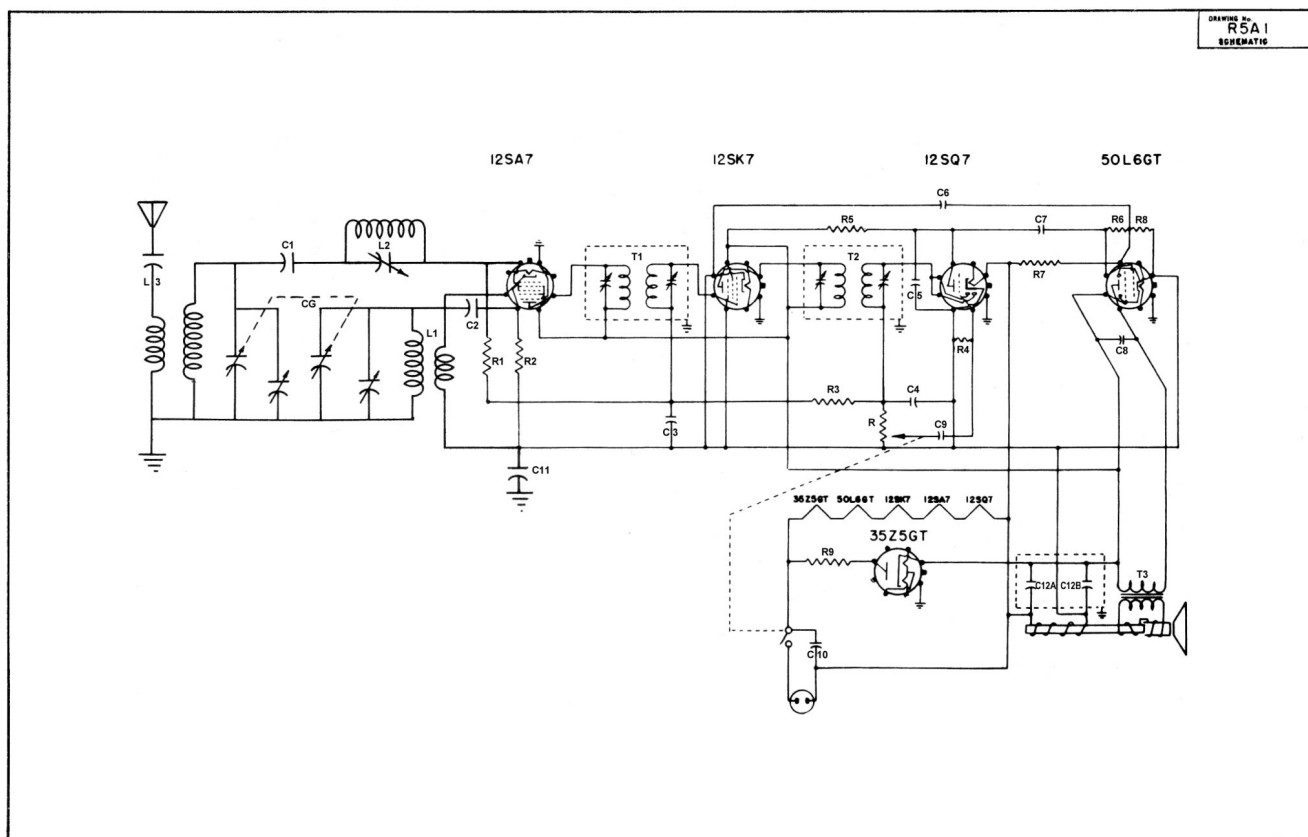
- Connect the output from the Signal Generator through a 60 mmfd. mica condenser to the antenna lug terminal on L 3.

- (b) Connect the Output Meter across the voice coil.
- (c) Turn the control, situated at the left on chassis (On-Off switch and Volume Control) to its maximum clockwise position and the Tuning Condenser so the plates are completely in mesh.
- (d) Adjust Signal Generator to setting of 456 Kilocycles.
- (e) Adjust both trimmers located on top of the 2nd I.F. Transformer (T2) until maximum deflection is obtained on the Output Meter.
- (f) Adjust both trimmers located on top of the 1st I.F. Transformer (T1) until maximum deflection is obtained.
- (g) Repeat the above two adjustments to determine that maximum deflection has been obtained.
- (h) Now adjust the Wave Trap Trimmer (L2), situated underneath the chassis directly below the Antenna Coil, until a minimum deflection is obtained.

N.B. After each adjustment has been made it may be necessary to re-adjust the Generator Attenuator to give a reasonable output.

2. BROADCAST BAND ALIGNMENT

- (a) Leave Generator and Output Meter connected as described in the Tuning of the I.F. Amplifier.
- (b) Adjust the Signal Generator to 1500 K.C. and the Tuning Condenser for a corresponding Dial reading.
- (c) Adjust the Oscillator Trimmer on the Tuning Condenser until maximum deflection is obtained on the Output Meter.
- (d) Now adjust the Mixer Trimmer on the Tuning Condenser until maximum deflection is obtained.
- (e) If adjustment should be necessary at the low frequency end of the broadcast band, bend the slotted sections on mixer section of the Tuning Condenser for maximum Output.



PARTS LIST FOR MODEL R5A1 CHASSIS

CODE	PART No.	DESCRIPTION
R1	88-711	1 Megohm 1/4 Watt
R2	88-521	22,000 Ohm 1/4 Watt
R3	88-721	2.2 Megohm 1/4 Watt
R4	88-811	10 Megohm 1/4 Watt
R5&6	88-651	.47 Megohm 1/4 Watt
R7	88-631	.33 Megohm 1/4 Watt
R8	88-611	.1 Megohm 1/4 Watt
R9	88-221	22 Ohm 1/2 Watt
R	90-02	Volume Control .5 Megohm and S.P.S.T. On-Off Switch
C1&5	84-351	500 Mmfd. Mica Condenser
C2	84-251	50 Mmfd. Mica Condenser
C3	84-551	.05 Mfd. Paper Condenser
C4	84-331	250 Mmfd. Mica Condenser
C6	84-631	.25 Mfd. Paper Condenser
C7&9	84-451	.005 Mfd. Paper Condenser
C8	84-521	.02 Mfd. Paper Condenser
C10&11	84-531	.025 Mfd. Paper Condenser
CG	86-02	2 Gang Condenser with Tracking Section and Pulley
C12A&B	83-01	Insulated Can Filter Condenser 60-30 Mfd. 150 V. Common Positive
L1	94-05	Broadcast Oscillator Coil
T1	95-03	1st I.F. Transformer
T2	95-04	2nd I.F. Transformer
T3	103-21	4" Dynamic Speaker and Output Transformer Assembly
L2	95-05	I.F. Wave Trap
L3	94-04	Antenna Coil Assembly
	116-51	12SA7 Tube
	116-52	12SK7 Tube
	116-53	12SQ7 Tube
	116-61	35Z5GT Tube
	116-71	50L6GT Tube
	112-02	Dial Drive Assembly
	113-02	Dial Pointer
	18-01	Spring Dial Drive
	136-03A	Maroon Catalin Cabinet
	136-03B	Green Catalin Cabinet
	136-03C	Ivory Catalin Cabinet
	142-01	Bezel Dial
	29-03A	Maroon Knob
	29-03B	Green Knob
	29-03C	Ivory Knob
	109-03A	Dial, Gold Background
	109-03B	Dial, Green Background
	109-03C	Dial, Red Background