REPLACING TUNING SLUG

Set the gang to its wide open position, unsolder and remove the old slug. Set the slug adjusting screw about half way down. Place the new slug in such a position that 1⅜ inches of its length is above the coil form. Solder it in this position making sure that it does not slip during the operation and that the slug wire is straight. Re-align the set as shown in the chart.

ANTENNA CONNECTIONS

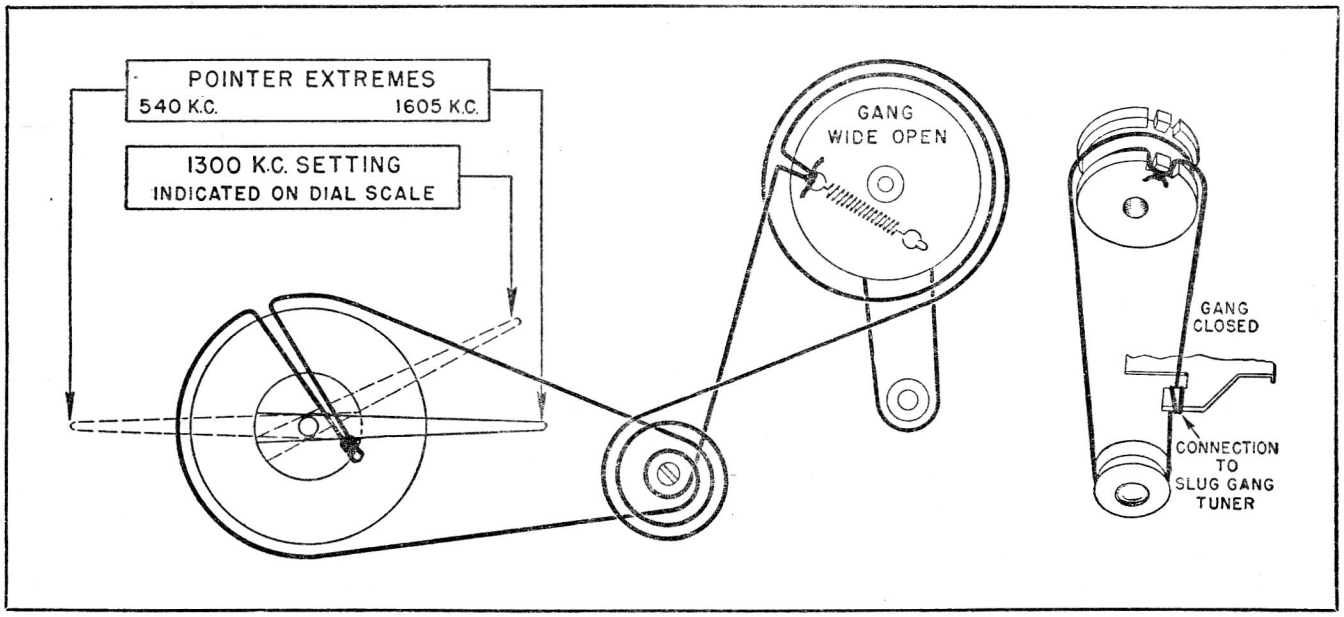
In replacing connections to antennas, it is necessary to see that the flat twin parallel conductor is not twisted. The rear parallel conductor should be connected to the rear terminal screw on each loop antenna. The front parallel conductor should be connected to the front terminal screw on each loop antenna.

RECORD CHANGER SERVICE DATA

Complete service information and parts list for record changers are contained in separate manuals. Check record changers for model number. Reference should then be made to the proper manual for all record changer service information.

This record changer is equipped with the new Admiral high fidelity plug-in-type pickup cartridge. If inoperative, check contacts, D.C. voltage to pickup, resistance of pickup, coupling condenser, and associated circuit. Replace cartridge if the rest of the circuit is satisfactory.

STRINGING DIAGRAMS



Canadian Admiral Corporation, Ltd.

LONG BRANCH. ONTARIO

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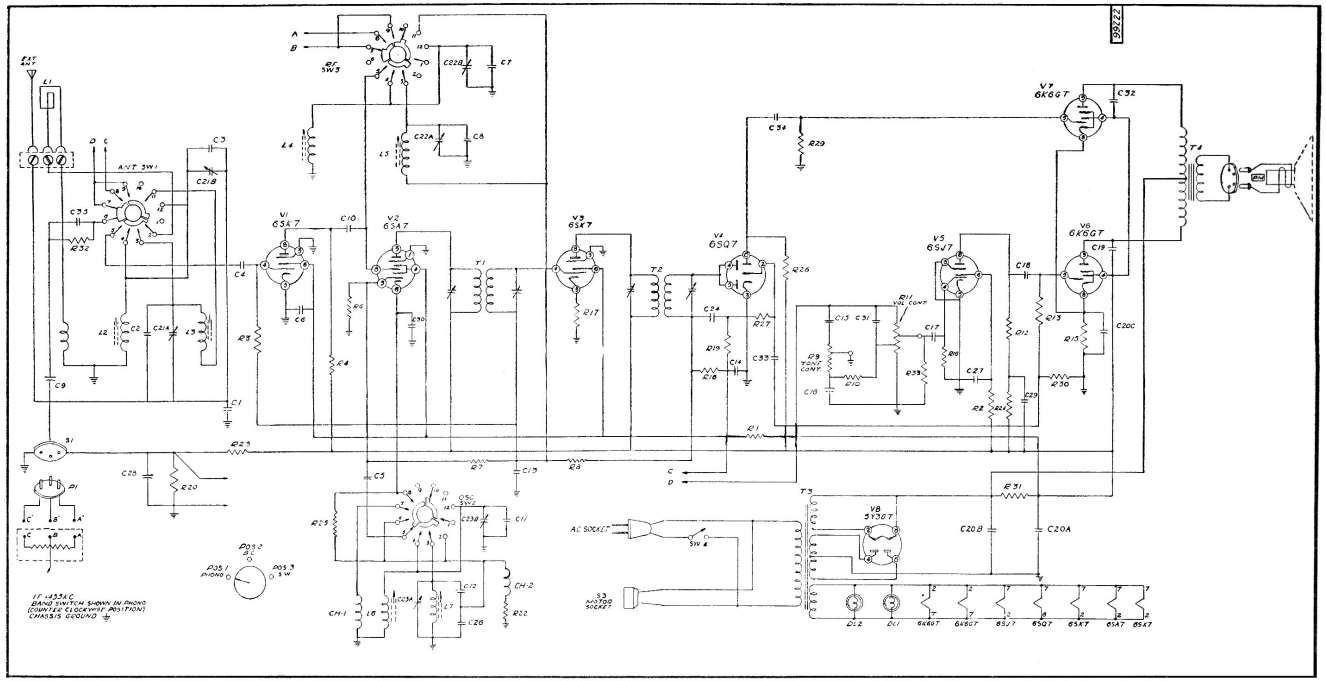
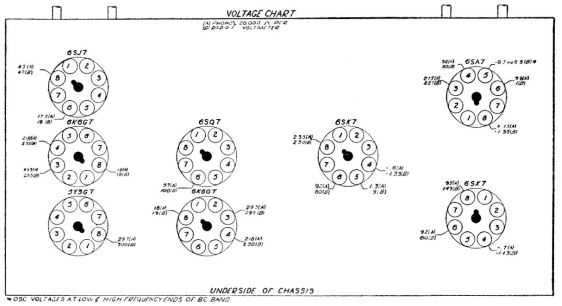


VOLTAGE CHART



VOLTAGE DATA

- Measured on 117 Volt A.C. Line.
- Volume control at lowest volume setting.
- No station tuned in
- Radio readings with band switch in broadcast position.
- Voltages measured between point indicated and chassis

REPLACEMENT PARTS

RESISTORS

SYMBOL	DESCRIPTION	PART NO.
R 1	12,000 OHMS, 5 Watt	61A 1-1
R 2	2.2 Meg., Carbon, ½ W	60B 8-225
R 3	470,000 OHMS, ½ Watt	60B 8-474
R 4	10,000 OHMS, 2 Watt	60B 20-103
R 6	22,000 OHMS, ½ Watt	60B 8-223
R 7	10 Meg. ½ Watt	60B 8-106
R 8	1 Meg. ½ Watt	60B 8-105
R 9	2 Meg. Tone Control	75B 1-8
R 10	27,000 Ohms, ½ Watt	60B 8-273
R 11	1 Meg. Vol. Control & Switch SW4	75B 2-2
R 12	470,000 Ohms, ½ Watt	60B 8-474
R 13	470,000 Ohms, ½ Watt	60B 8-474
R 15	470 Ohms, 1 Watt	60B 14-471
R 16	10 Meg. ½ Watt	60B 8-106
R 17	100 Ohms, ½ Watt	60B 8-101
R 18	220,000 Ohms, ½ Watt	60B 8-224
R 19	100,000 Ohms, ½ Watt	60B 8-104
R 20	100,000 Ohms, ½ Watt	60B 8-104
R 22	100 Ohms, ½ Watt	60B 8-101
R 23	100,000 Ohms, 1 Watt	60B 14-104
R 24	47,000 Ohms, ½ Watt	60B 8-473
R 25	470 Ohms, ½ Watt	60B 8-471
R 26	220,000 Ohms, ½ Watt	60B 8-224
R 27	10 Meg. ½ Watt	60B 8-106
R 29	470,000 Ohms, ½ Watt	60B 8-474
R 30	8,200 Ohms, ½ Watt	60B 8-822
R 31	1,800 Ohms, 10 Watt	61W 1-1
R 32	2.2 Meg. Carbon, ½ Watt	60B 8-225
R 33	330,000 Ohms, ½ Watt	60B 8-334

CONDENSERS

SYMBOL	DESCRIPTION	PART NO.
C 1	1000 Mmfd. Mica	65B 7-33
C 2	35 Mmfd. Silver Mica, 3%	65B 1-31
C 3	25 Mmfd. Silver Mica, 3%	65B 1-28
C 4	100 Mmfd. Mica	65B 7-17
C 5	50 Mmfd. Ceram..ic	65B 6-4
C 6	.05 Mfd. 400 V.D.C. Paper	64B 1-22
C 7	65 Mmfd. Silver Mica 3%	65B 1-27
C 8	420 Mmfd. Silver Mica 2%	65B 1-13
C 9	.05 Mfd. 200 V.D.C. Paper	64B 1-32
C 10	20Mmfd. Mica 2%	65B 7-5
C 11	65 Mmfd. Silver Mica 3%	65B 1-27
C 12	200 Mmfd. Silver Mica 2%	65B 1-14
C 13	.1 Mfd. 400 V.D.C. Paper	64B 1-20
C 14	250 Mmfd. Mica	65B 7-22
C 15	1000 Mmfd. Mica	65B 7-33
C 16	.01 Mfd. 400 V.D.C. Paper	64B 1-25
C 17	.01 Mfd. 400 V.D.C. Paper	64B 1-25
C 18	.01 Mfd. 600 V.D.C. Paper	64B-1-10
C 19	.005 Mfd. 600 V.D.C. Paper	64B 1-12
C 20A	30 Mfd. 350 V.D.C. Elec	67C 6-25
C 20B	30 Mfd. 350 V.D.C. Elec.	
C 20C	20 Mfd. 25 V.D.C. Elec.	
C 21A	3-40 Mmfd. Dual Trimmer	66A 1-5
C 22B	3-40 Mmfd. Dual Trimmer	
C 22A	3-40 Mmfd. Trimmer	66B 8-1
C 22B	3-40 Mmfd. Trimmer	66B 8-1
C 23A	3-40 Mmfd. Trimmer	66B 8-1
C 23B	3-40 Mmfd. Trimmer	66B 8-1

CONDENSERS—Con't

SYMBOL	DESCRIPTION	PART NO.
C 24	100 Mmfd. Mica	65B 7-17
C 25	1200 Mmfd. Mica	65B 5-34
C 27	.05 Mfd. 200 V.D.C. Paper	64B 1-32
C 28	.25 Mfd. 200 V.D.C. Paper	64B 1-28
C 29	.1 Mfd. 400 V.D.C. Paper	64B 1-20
C 30	20 Mmfd. Mica	65B 7-5
C 31	.0005 Mfd. 500 V.D.C. Paper	64A 3-4
C 32	.005 Mfd. 600 V.D.C. Paper	64B 1-12
C 33	.01 Mfd. 600 V.D.C. Paper	64B 1-10
C 34	.01 Mfd. 600 V.D.C. Paper	64B 1-10
C 35	470 Mmfd. 500 V.D.C. Paper	65B 7-26

CHOKES, COILS TRANSFORMERS, ETC.

SYMBOL	DESCRIPTION	PART NO.
L1	Loop Antenna (Record Support Side)	AD 120
L1	Loop Antenna (Pickup Arm Side)	AD 117
L2	Coil S.W. Antenna	A 116-1
L3	Coil B.C. Antenna	AC 105-2
L4	Coil S.W. R.F.	A 116-2
L5	Coil B.C. R.F.	AB 100-1
L6	Coil S.W. Oscillator	AD 116-3
L7	Coil B.C. Oscillator	AC 101-1
CH1	Inter Wound on L6 Coil form)part of	AD 116-3
CH2	Coil Oscillator Choke	AB 103-1
T 1	Transformer, 1st. I.F.	72 B 7
T 2	Transformer, 2nd. I.F.	72 B 8
T 3	Transformer, Power 60 cy.	80 X 1
T 3	Transformer, Power 25 cy.	80 X 2
T 4	Transformer, Output Speaker 12" and Output Transformer	98 A 19 78 Z 6

When Ordering Slugs Specify Color Code

Slug Tuning (B.C. - Osc. & R.F.)	71 C1-3
Slug Tuning (S.W.-Ant., R.F. & Osc.)	71 C1-9
Slug Tuning (B.C. Ant)	71 C1-13

P1	Plug, Phono	88A5-7
P2	Plug, Speaker	88A4
S1	Phono, Socket Shielded	88A5-9
S2	Socket, Speaker	87A6-1
SW1	Switch, Antenna	76B1-3
SW2	Switch, Oscillator	76B1-2
SW3	Switch, R.F.	76B1-1

PHONOGRAPH PARTS

SYMBOL	DESCRIPTION	PART NO.
	Cartridge, Pick-up	A 1372
	Centerpost	G400B137
	Drive Disc. Assembly	G400A179
	Idler Wheel (407X2-22-8-60 Motor)	G400A23
	Idler Wheel (407X2-22-10-25 Motor)	G400A57
	Motor	40X2-22-10-25
	Motor	407X2-22-8-60
	Tilt Out Hinge Assembly (Record Support Side)	AC118-1
	Tilt Out Hinge Assembly (Pickup Arm Side)	AC118-2
	Tilt Out Spring	19A15-1
	Tilt Out Tie Bar	15B126

MISCELLANEOUS

*Cabinet (7C63) Wood	35D51
Compression Ring Pointer	18A5-2
Cord, Dial	50A1-3
Dial Background Assembly	A.1357
Dial Window (Plastic)	24B1
Drum and Hub. Assembly, Pointer	A1355
Drum and Hub. Assembly, Tuner	A1356
Escutcheon, Plastic Dial	23C22-1
Handle, Door	37B10-1
Knob	33A19-2
Pilot Light No. 47	81A1-8
Pilot Light Socket	82A3-8
Pointer, Dial	25B22
Screw, Escutcheon, Mounting	1A15-6-58
Spring, Dial Cord Tension	19B1-10
Spring, Tension	19B1-11
Transmission Line (43")	95W16-1
Transmission Line (54")	95W16-2

*Supplied only if old cabinet cannot be repaired. When ordering, describe condition of old cabinet in detail.

ALIGNMENT PROCEDURE

1. Loop must be connected during alignment.
   Check the set screws that hold the tuning drum to the shaft to see that they are tight and that the drum has not slipped on the shaft. The correct position of the drum can be seen on the stringing diagram.
2. In the closed position the stop on the rear of the dial drum must be against the stop post.
3. With the gang wide open, all slugs should be 1 3/8 inches out of their coil forms. If there is any serious deviation or if there has been any tampering, turn the adjusting screws until this distance is correct.
4. Be sure both the set and the signal generator are thoroughly warmed up before starting alignment.
5. Turn receiver Volume Control full on.
6. Use lowest output setting of signal generator that gives a satisfactory reading on meter.
7. Proceed in sequence as outlined below.

Step	Connect Signal Generator To	Dummy Antenna Between Radio and Signal Generator	Signal Generator Frequency	Tuning Gang Setting	Adj. Trimmers in Following Order to Max.
1	Set Band change Switch to Broadcast Position. 6SA7 Grid (Pin No. 8)	.1MFD	455 K.C.	Set Pointer to Upper Limit	A, B, C, D
2	Before proceeding to step 3 check pointer travel as outlined under paragraph below headed "Pointer Adjustmet."				
3	Black Loop Lead	10 MMFD If not available wrap several turns of the generator lead around the black loop lead.	1605 K.C.	Set Pointer to Upper Limit	E, F, G
4	Black Loop Lead		1300 K.C.	Set Pointer to 1300 Mark on Slide Rail	H, I, J
5	Set Band Change Switch to Short Wave Position.				
6	White Loop Lead	400 Ohms	12.5 M.C.	Set Pointer to Upper Limit	K, L, M
7	White Loop Lead	400 Ohms	12.0 M.C.	Set Pointer to 1300 Mark on Slide Rail	N, O, P

POINTER ADJUSTMENT

Turn the tuning control knob clockwise until tuning gang is wide open. The pointer should now be at 1605 Kc. If it is not, grasp the pointer with your hand and move it to 1605 Kc. Then proceed with alignment.

TUBE AND TRIMMER LAYOUTS