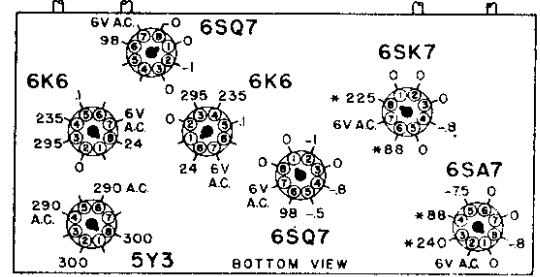


Admiral 7C65

The voltage data and parts list of model 7C65, chassis 7E1 were omitted from page 17-3 of *Rider's Volume XVII* and are here reproduced for inclusion in that Manual. The record changer for this receiver is the Admiral model RC170 or RC170A, the data for which will be found on *RCD.CH*, page 16-1 of *Rider's Volume XVI*.

VOLTAGE DATA — "Radio-Phone" switch in "Radio" position. Readings made between point indicated and chassis. Measured on 117-volt a-c line. Dial turned to low-frequency end, no signal. Voltages measured with a vacuum-tube voltmeter. If voltage readings are taken with "Radio-Phono" switch in "Phono" position, readings will be zero or practically zero.



Symbol	RESISTORS	Part No.
R1	22,000 Ohms, 1/2 Watt	608 B-223
R2	15,000 Ohms, 2 Watt	608 20-153
R3	47,000 Ohms, 1/2 Watt	608 B-473
R4	4.7 Megohms, 1/2 Watt	608 B-475
R5	270,000 Ohms, 1/2 Watt	608 B-274
R6	270,000 Ohms, 1/2 Watt	608 B-274
R7	1 Megohm, 1/2 Watt	608 B-105
R8	220,000 Ohms, 1/2 Watt	608 B-224
R9	4.7 Megohms, 1/2 Watt	608 B-475
R10	270,000 Ohms, 1/2 Watt	608 B-274
R11	270,000 Ohms, 1/2 Watt	608 B-274
R12	680 Ohms, 2 Watt	608 20-681
R13	2 Megohms, Tone Control	758 1-8
R14	27,000 Ohms, 1/2 Watt	608 B-273
R15	1 Megohm, Volume Control and Switch (SW2) Tapped at 500,000 Ohms	758 2-2
R16	270,000 Ohms, 1/2 Watt	608 B-274
R17	100,000 Ohms, 1/2 Watt	608 B-104
R18	1,800 Ohms, 2 Watt	608 20-182
R19	50 Ohms, 5 Watt	61A 1-6
R20	120,000 Ohms, 1/2 Watt	608 B-124
R21	1,000 Ohms, 1/2 Watt	608 B-102

Symbol	CONDENSERS	Part No.
C1	50 mmfd., Ceramic	658 6-4
C2	20 mmfd., Ceramic (used only in early production)	658 6-26
C3	.1 mfd., 400 Volts, Paper	648 1-20
C4	.05 mfd., 400 Volts, Paper	648 1-22
C5	100 mmfd., Ceramic	658 6-3
C6	250 mmfd., Ceramic	658 6-5
C7	.02 mfd., 400 Volts, Paper	648 1-24
C8	.1 mfd., 200 Volts, Paper	648 1-30
C9	.002 mfd., 600 Volts, Paper	648 1-14
C10	.002 mfd., 600 Volts, Paper	648 1-14
C11	.02 mfd., 400 Volts, Paper	648 1-24
C12	.02 mfd., 400 Volts, Paper	648 1-24
C13	.001 mfd., 600 Volts, Paper	648 1-15
C14	.25 mfd., 200 Volts, Paper	648 1-28
C15	.02 mfd., 400 Volts, Paper	648 1-24
C16a	30 mfd., 350 Volts, Elect.	57C 6-22
C16b	30 mfd., 350 Volts, Elect.	57C 6-22
C17a	0-420 mmfd. (RF section)	
C17b	0-162 mmfd. (Osc. section)	
C18	.002 mfd., 600 Volts, Paper	648 1-14
C19	10 mmfd., Ceramic (used only in early production)	658 6-24

Symbol	CONDENSERS	Part No.
C20a	4.70 mmfd. } Dual Trimmer	
C20b	4.70 mmfd. } (used with A1550 gang in later production)	66A 1-10
C21	500 mmfd., Ceramic	658 6-6

* If early type tuning gang (with trimmers attached) must be replaced, use gang assembly A1550 and separate trimmer 66A1-10, and remove C2 and C19 from circuit.

Symbol	COILS AND TRANSFORMERS	Part No.
L1	Loop Antenna (1F)	95A 18-2
L2	Coil, Loop Loading	69A 26-1
L3	Coil, Oscillator	69A 14
T1	Transformer, 1st IF (Slug tuned)	72B 46
T2	Transformer, 2nd IF (Slug tuned)	72B 47

T1 & T2 were trimmer-tuned in early production.

Symbol	TRANSFORMERS, POWER	Part No.
T3	Transformer, Power	80B 1
T4	Transformer, Output	98A 34-10

Symbol	DIAL AND TUNING DRIVE PARTS	Part No.
"C" Washer (used with tuning shaft)	4A 4-1	
Crystal, Dial (for 7C65W & 7C65M)	24B 7	
Crystal, Dial (for 7C65B cabinet)	24B 7-1	
Cord, Dial Drive (30 1/2")	50A 1-3	
Dial Drum and Hub Assembly	A1380	
Dial Scale Assembly	A1530	
Pointer, Dial	A1303	
Shaft, Pointer	28A 16	
Shaft, Tuning	28A 10-1	
Snap Button, Dial Crystal Fastening (used on 7C65B cabinet only)	13A 1-3-21	
Socket, Pilot Light, with leads	82A 8-3	
Spring, Dial Cable Tension	19B 1-5	
Spring, Hairpin (for pointer shaft)	19A 2-4	
Spring, on Tuning Shaft	19A 18	
Spring Washer (for pointer shaft)	4A 6-9-0	
Spring Washer (for tuning shaft)	4A 6-5-0	

Symbol	MISCELLANEOUS	Part No.
SW1	Switch, Radio-Phono	77A 16-2
SW2	Switch, AC power	part of R15
SW3	Switch and Lever, part of record changer assembly	G400A 162
M1	Socket, Speaker	87A 6-1
M2	Speaker, includes M3 and T4	78B 29
M3	Plug, Speaker	88A 4-4

Description	MISCELLANEOUS	Part No.
Grammet, Condenser Gang Mounting	12A 1-2	
Socket, Octal Tube	87A 5-1	

PHONOGRAPH PARTS		
Note: See record changer manual for complete parts list.		
M4	Socket and Leads	89A 6-6
M5	Socket, Phono Pickup	88A 5-8
M6	Pickup Cable & Plug	A1415
M7	Carriage & Needle, Pickup	A1372
M8	Motor	407B 3-2
M9	Plug, Motor (Male)	88A 8-1
Centerpost		
Drive Disc (under Turntable)	G400B 137-1	
Eye Bolt (for Tilt-Out Spring)	1A 87-1	
Idler Wheel (407B3 Motor)	G400A 23	
Idler Wheel (407B1 Motor)	G400A 57	
Nut, Wing (for fastening record changer during shipment)	2A 5-9-2	
Strip, Sponge Rubber (1/16x1/4x1")	12A 5-5	
Tilt-Out Hinge Assembly (Pickup Arm Side)	AC118-2	
Tilt-Out Hinge Assembly (Record Support Side)	AC118-1	
Tilt-Out Spring (2 1/4" long)	19A 15-1	
Tilt-Out Tie Bar	15B 126	
Tilt-Out Tie Rod	28A 22	

CABINET PARTS		
*Cabinet	Walnut (7C65W)	35E 67-1
	Mahogany (7C65M)	35E 67-2
	Blond (7C65B)	35E 67-3
Door Catch and Strike Plate		98A 34-9
*Door, Radio and Phono Tilt-Out		98A 34-1
pair for 7C65W		98A 34-2
pair for 7C65M		98A 34-3
pair for 7C65B		98A 34-4
Door Handle, Radio or Phono Comp. for 7C65W, 7C65M		98A 34-4
for 7C65B		98A 34-5
Grille Cloth		98A 34-8
Hinge, Radio Door		98A 34-6
pair for 7C65W, 7C65M		98A 34-7
pair for 7C65B		98A 34-8
Knob		33A 13-3
Washer, Felt (used under tuning knobs)		5A 4-4

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

Admiral Models 7RT41, 7RT42, 7RT43

These models are shown on pages 16-11 and 16-2 of *Rider's Volume XVI*. An error has been found in the part number of the SW2 radio-phono switch in the service information on these models. The part number of this switch should be 77A16-1 instead of 77A16-2.

Admiral Chassis 9A1

This chassis is shown on pages 16-6 to 16-8 of *Rider's Volume XVI*. It has been found that the dial windows of these chassis build up a small electrostatic charge, thus causing the plastic to attract fine dust particles. These are so fine that the dial windows appear milky or foggy.

Treating the windows with a solution called Hexco Dust-Ded reduces the amount of fine dust that collects on them. The dial window should be removed from the cabinet to apply the solution properly. Remove the knobs and the screws holding the escutcheon to the cabinet. Clean the window by wiping off the dust thoroughly on both sides with a damp (not wet) cloth

or chamois skin. Apply the Hexco Dust-Ded according to the directions on the bottle.

Part No.	Description
98A11-2	Hexco Dust-Ded

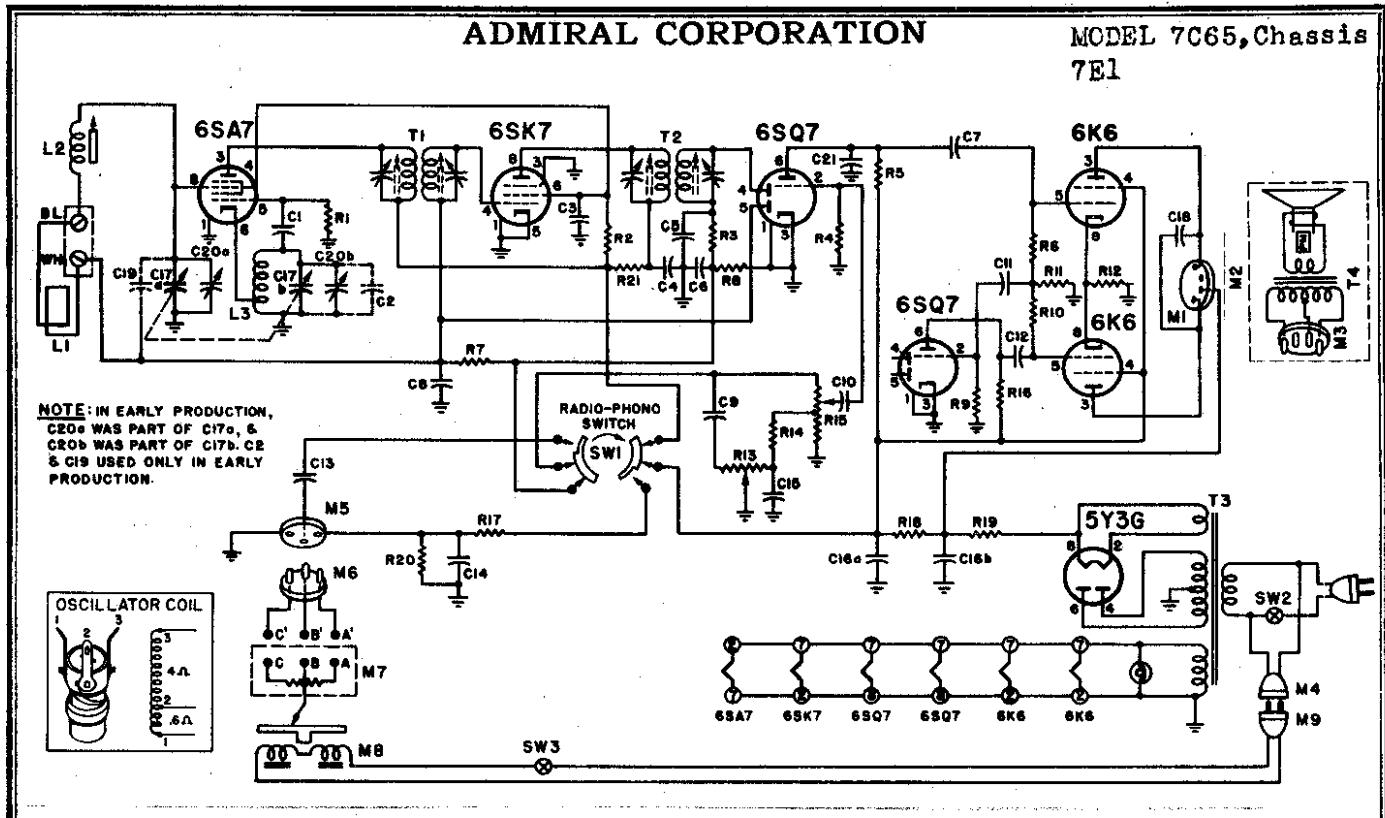
Allied Radio 6A-127 Revised, 6B-127, 6C-127

This model is the same as Model 6A-127 appearing on pages 15-4 and 15-5 of *Rider's Volume XV*, except for the following changes. Part 36 has been changed in value from one megohm to 220,000 ohms and the bottom side of this resistor has been moved from the negative filament line (junction of parts 34 and 17 and 47) to the ave bus (junction of parts 33, 34, 14, and 35). Part 40 has been changed in value from 220,000 ohms to 100,000 ohms. Part 13 is now connected from the junction of resistor 39 and the secondary of the first i-f transformer to the positive side of the filament of the IN5GT tube instead of from the junction to the common negative as previously.

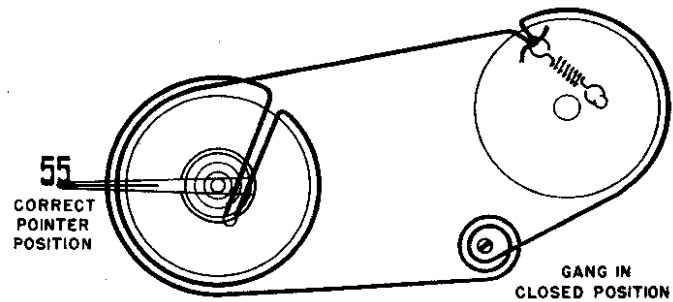
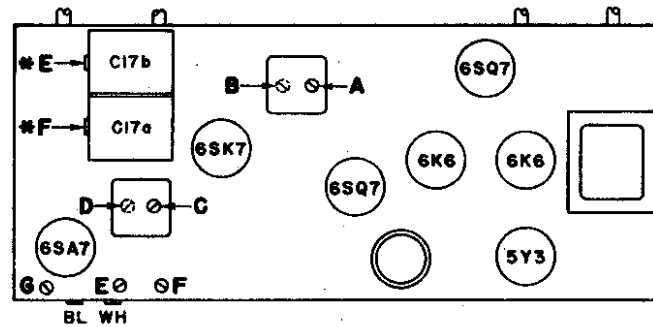
Part 28 is now connected from the negative side of the filament of the 1H5GT tube to the grid of that tube instead of from the center arm of the volume control to the common negative. The bottom side of part 19 is now connected to the junction of part 48 and the center tap of the filament of the 3Q5GT tube, and thence to the left-hand side as shown on the schematic) of capacitor 10. This part was formerly connected directly to the right-hand side of the same capacitor. The connection from the negative side of the filament of the IN5GT tube to the left-hand side of capacitor 10 has been removed. A 68-ohm resistor has been inserted in the high side of the 45-volt battery lead.

The following changes have been made in the parts list.

Illus. No.	Part No.	Description
36	27E224	Carbon, 220,000 Ohm, 1/2 W.
40	27E104	Carbon, 100,000 Ohm, 1/2 W.



TOP VIEW **TUBE and TRIMMER LOCATION** **DIAL CORD STRINGING and POINTER SETTING**



ALIGNMENT PROCEDURE

- Check pointer position. The center line on the pointer should be at the bottom edge of "55" on the dial with the tuning gang closed (see stringing diagram). If incorrect, move to correct position by hand while holding the gang closed.
- Check set screws on dial drum and spotweld on tuning gang drum to eliminate possibility of backlash. Correct drum positions can be seen in the stringing diagram.
- Loop antenna must be connected to receiver during steps 3, 4 and 5. If disconnected during steps 1 and 2, connect jumper across loop terminals on chassis.
- Connect output meter across voice coil.
- Be sure both the set and the signal generator are thoroughly warmed up before starting alignment.
- Turn receiver volume control full on.
- Set "Radio-Phono" switch to "Radio" position.
- Use lowest output setting of signal generator that gives a satisfactory reading on meter.

Step	Connect Signal Generator	Generator Frequency	Receiver Dial Setting	Trimmer and Type of Adjustment
1	Thru .1 mfd. to stator of rear section of gang condenser.	455 KC	Gang wide open	A, B, C, D to maximum output. Repeat.
2	Thru 10 mmfd. to Black loop lead. (If 10 mmfd. is not available, wrap several turns of generator lead around black loop lead.)	1630 KC	Gang wide open	E to maximum output.
3		1400 KC	Tune in signal	F to maximum output.
4		600 KC	Tune in signal	G to maximum output.
5		1400 KC	Tune in signal	F to maximum output.