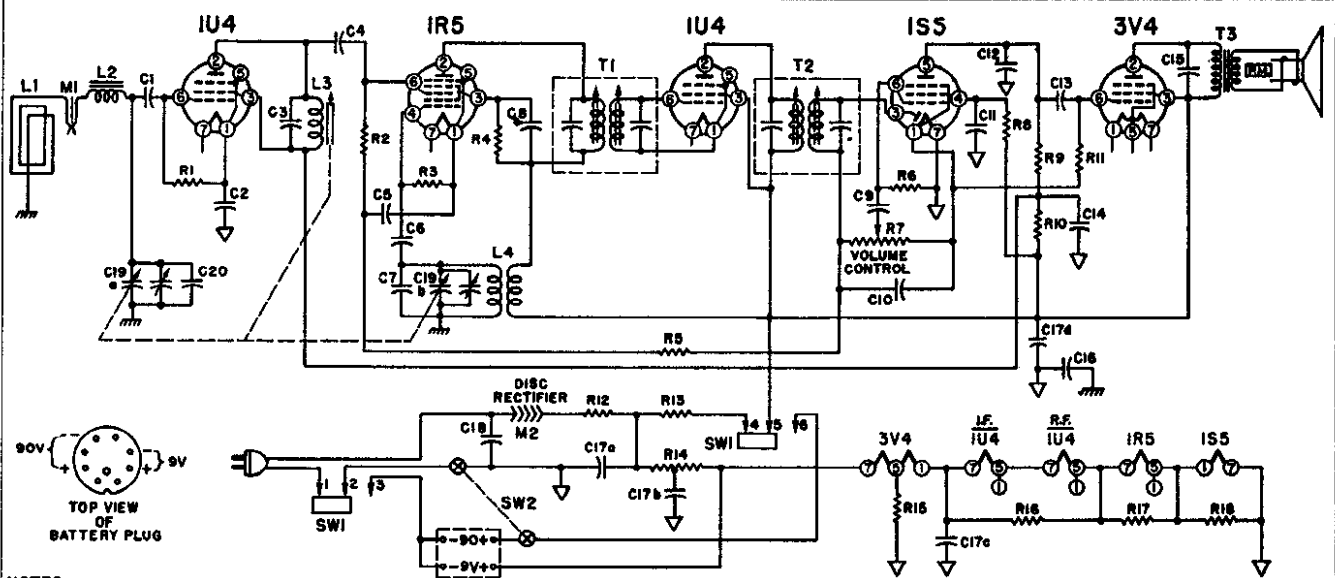


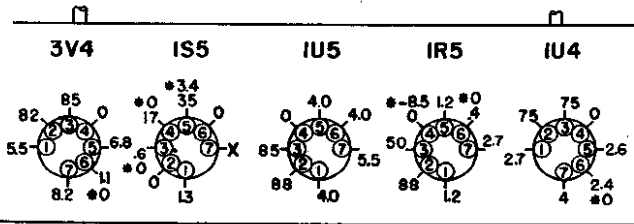
ADMIRAL CORPORATION MODELS 7P32, 7P33, 7P34, Chassis 5H1



NOTES:  
 LF = 455 K.C.  
 COMMON (LINE GROUND),  
 CHASSIS GROUND

5-47

VOLTAGE CHART



\*Indicates reading taken with 1000 ohm-per-volt meter.

VOLTAGE DATA

- All readings made between Tube Socket Terminals and Terminal No. 7 on the IS5 (Point "X" on Voltage Chart).
- A.C. Voltages measured on a 117 Volt A.C. line.
- Dial turned to low frequency end, no signal.
- All Voltages measured with a VoltOhmyst.
- A second voltage reading (marked with an asterisk \*) indicates readings made with a 1000 ohm-per-volt meter when use of this instrument would result in appreciably lower readings.

REPLACEMENT PARTS

RESISTORS			CONDENSERS			MISCELLANEOUS	
Symbol	Description	Part No.	Symbol	Description	Part No.	Description	Part No.
R1	2.2 Megohms, 1/4 Watt	60B 3-225	C12	100 Mmfd., Mica	65B 7-17	M1	Jack for External Loop Antenna
R2	1 Megohm, 1/4 Watt	60B 3-105	C13	.01 Mfd., 400 Volts, Paper	64B 1-25	M2	Rectifier, Selenium
R3	100,000 Ohms, 1/4 Watt	60B 3-104	C14	4 Mfd., 150 Volts, Electrolytic	67A 4-2		Buttons, Snap (for dial scale)
R4	18,000 Ohms, 1/3 Watt	60B 2-183	C15	.002 Mfd., 600 Volts, Paper	64B 1-14		Cabinet (Black 7P32)
R5	3.3 Megohms, 1/4 Watt	60B 2-335	C16	.18 Mfd., 200 Volts, Paper	64A 2-2		Cabinet (Black 7P33)
R6	10 Megohms, 1/4 Watt	60B 3-106	C17a	50 Mfd., 150 Volts, Elect.			Cabinet (Brown 7P34)
R7	1 Megohm Volume Control and Switch SW2 (DPST)	75B 1-18	C17b	20 Mfd., 150 Volts, Elect.			Cord, Dial
R8	4.7 Megohms, 1/4 Watt	60B 2-475	C17c	200 Mfd., 25 Volts, Elect.	67C 7-5		Dial Window, Plastic (7P33, 7P34)
R9	470,000 Ohms, 1/4 Watt	60B 3-474	C17d	20 Mfd., 150 Volts, Elect.			Dial Window and Speaker Grill (7P32)
R10	10,000 Ohms, 1/4 Watt	60B 3-103	C19a	0 to 420 Mmfd., Gang			Drum & Cam Assembly
R11	2.2 Megohms, 1/4 Watt	60B 3-225	C19b	0 to 162 Mmfd., Gang	68B 6		Escutcheon, Plastic (7P33, 7P34)
R12	47 Ohms, 1 Watt	60B 14-470	C20	10 Mmfd., Ceramic	65B 6-24		Grommet (for mounting R.F. coil)
R13	2700 Ohms, 1 Watt	60B 14-272					Handle, Plastic (7P32, 7P33)
R14	2600 Ohms, 5 Watt	61A 6-1					Knob (7P32)
R15	1500 Ohms, 1/4 Watt	60B 2-152					Knob (7P33, 7P34)
R16	820 Ohms, 1/4 Watt	60B 2-821					Latch, Cover (7P33, 7P34)
R17	220 Ohms, 1/4 Watt	60B 2-221					Mounting Clip (for I.F. transformer)
R18	150 Ohms, 1/4 Watt	60B 2-151					Mounting Plate (for R.F. coil)
							Painter, Dial
							Scale, Dial (metal)
							Spring
							Spring, Tension (Dial Cord)
							Tube Shield
							Tube Socket
							Tuner Arm (for R.F. slug tuner)
							Washer, Felt (3/4") (for knobs)
							Washer, Spring (for tuner arm)

MODELS 7P32, 7P33, 7P34  
MODELS 7T06, 7T12

ADMIRAL CORPORATION

MODELS 7P32, 7P33, 7P34  
CHASSIS 5H1

ALIGNMENT PROCEDURE

1. Disconnect Loop Antenna leads from clips on set and remove chassis from cabinet.
2. Make alignment using a battery whenever possible. Connect a fresh battery to the set.
3. Tuner arm should be on short flat part of cam. Check pointer. It should be at last dial scale mark just below 550 K.C. when gang is fully meshed. If not, move pointer on dial cord

**IMPORTANT:** Check dial drum position on shaft. Tuner arm should be on short flat part of cam. Check pointer. It should be at last dial scale mark just below 550 K.C. when gang is fully meshed. If not, move pointer on dial cord

Step	Dummy Antenna Used in Series with Signal Generator	Connect High Side Signal Generator to	Signal Generator Frequency	Receiver Gang Setting	Trimmer Designation and Description	Type of Adjustment
(1)	.00025 Mfd. when using A.C. when using .1 Mfd. when using Battery	Grid of 1A5 (Pin 6)	455 K.C.	Any point where it does not affect Signal	2nd I.F. (A), (B), 1st I.F. (C), (D).	Maximum Deflection Then repeat
(2)	.00025 Mfd. when using A.C. .1 Mfd. when using Battery	Stator lug of rear variable condenser section	1620 K.C.	Tuning Gang Wide Open	Oscillator Trimmer (E)	Maximum Deflection
(3)	.00025 Mfd. when using A.C. .1 Mfd. when using Battery	Stator lug of rear variable condenser section	1400 K.C.	Tune in Generator Signal	R.F. Slug (F)	Maximum Deflection

Replace Set in Cabinet

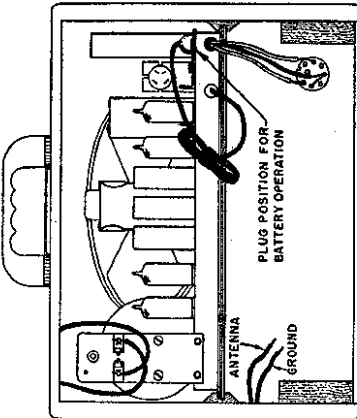
Step	Antenna and Ground Leads	Tune in Generator Signal	Antenna Trimmer (G)	Maximum Deflection
(4)	.00025 Mfd.	1400 K.C.		
(5)				

REPLACING R.F. TUNING SLUG

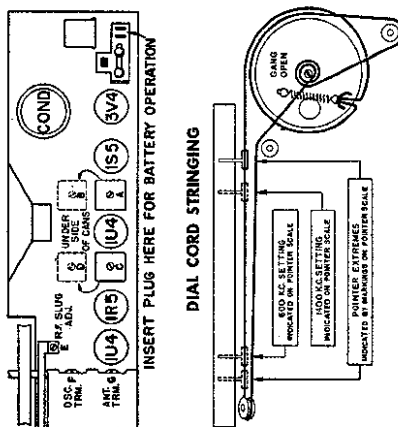
If the R.F. Tuning Slug has to be changed use the following procedure. Set the gang condenser to the point where the plates are fully meshed. Screw the slug adjusting screw about halfway down. Place the slug in the coil in such a position that the top of the slug is flush with the top of the coil. Solder the slug wire to the adjusting screw. Be sure that the position of the slug does not change during the soldering and that the slug wire is straight. Proceed to realign the set as shown in the chart.

INTERNAL ANTENNA CONNECTIONS

Note: Antenna connections cross over as shown above for 7P32 only. The 7P33, 7P34 antenna connections are made to the clip nearest the wire.



TUBE AND TRIMMER LAYOUT



MODELS 7T06, 7T12  
CHASSIS 4B1

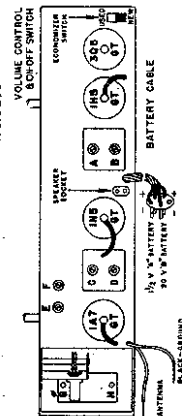
ALIGNMENT PROCEDURE

1. IMPORTANT—Check to see that dial pointer reaches each end of dial scale when Station Selector Control is turned from one end to the other.
2. Volume control—Maximum for all adjustments.
3. Connect radio chassis to ground post of signal generator with a short heavy lead.
4. Connect output meter across voice coil of speaker.
5. Connect dummy Antenna value in series with generator output lead, when needed (see below).
6. Allow chassis and signal generator to "heat up" for several minutes.
7. Use lowest Output setting of Signal Generator capable of producing adequate Output Meter indication and then proceed in the following sequence.

Band	Signal Generator Frequency Setting	Dummy Antenna	Connection to Radio	Receiver Dial Setting	Trimmers Adjusted (In Order Shown)	Trimmer Function	Type of Adjustment
I.F.	455 K.C.	.1 mid.	Grid of 1A7 (Cap)	High Frequency end of dial	A-B—2nd I.F.	Output I.F.	Adjust to maximum output
I.F.	455 K.C.	.1 mid.	Grid of 1A7 (Cap)	High Frequency end of dial	C-D—1st I.F.	Input I.F.	Adjust to maximum output
Broad-cast	1630 K.C.	.00020 Mfd. Mica	Antenna Lead	High Frequency end of dial	E—(See note below) F—(See note below)	Oscillator Antenna	Adjust to maximum output
Broad-cast	1300 K.C.	.00020 Mfd. Mica	Antenna Lead	1300 K.C.	G H	Oscillator Antenna	Adjust to maximum output

NOTE: Before adjusting trimmers "E" and "F", make sure that each iron core is 1/8" or more outside of its coil form. If necessary, turn adjustments "G" and "H" to accomplish this.

TUBE AND TRIMMER LOCATION

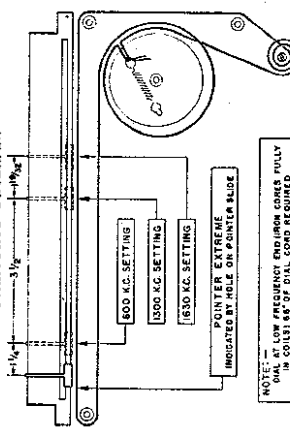


ECONOMIZER SWITCH

The battery economizer switch is located on the top of the chassis, right side.

Always have this Economizer Switch in the "NEW" battery position when first placing radio in operation or when installing a new battery.

STRINGING DIAGRAM



CIRCUIT

Battery-operated 4 Tube Superheterodyne with Single Tuning Range: 535 K.C. to 1630 K.C. Covers standard broadcast band, using antenna and ground. Permeability tuning on Antenna and Oscillator circuits. Intermediate Frequency is 455 K.C.

POWER SUPPLY

Single unit "AB" battery pack: 90 volt "B", 1 1/2 volt "A", Plug-in connection. Use Ensign AB-48, Burgess 17G-D60, Eveready 748, General 60DL-11L, Ray-O-Vac AB-92, Bond 0528 Battery or equivalent.