MODELS 4W18, 4W19, Ch. 4W1; 4T11, Ch. 4T1

REMOVING AND INSTALLING CHASSIS

To remove the chassis from the cabinet, remove the tuning knobs, cabinet bottom (base) and on the 4Wl, the metal speaker grille. The speaker grille is removed by pulling it down away from the cabinet.

Release the chassis by removing the two mounting screws located in the top inside of the cabinet just below the handle brackets.

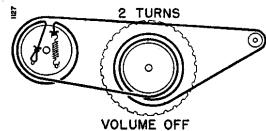
Install the chassis in cabinet in the same manner, being sure that the 1 5/16" diameter fibre washer (sleeve retainer) used on the 4W1 chassis is placed over the volume tuning sleeve just before sliding the 4W1 chassis into the cabinet.

Also, before tightening the two chassis mounting screws adjust the chassis for even spacing between all sides of the dial and the cut-out in the cabinet, otherwise binding may result.

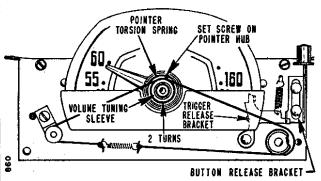
STRINGING VOLUME CONTROL DRIVE

The illustrations below show the volume cord stringing system used on each of the chassis.

Before restringing the volume cord on these models, rotate volume control fully clockwise and, using a #6 Alien wrench, tighten the set screw on the volume control pulley, first being sure the cut-out slot(s) on the volume control pulley are in the position shown in each illustration. Loop the cord in the cut-out slots, winding 1½ turns around the volume control pulley, and then winding 2 turns around the volume tuning sleeve on the 4W1 chassis or the volume-off knob on the 4T1 chassis. Loop the cord around the fibre pulley at other end of chassis. To prevent slipping, be sure that the volume control turns freely and that the dial cord tension spring has sufficient tension.



Chassis 4T1, Front View Showing Stringing



Chassis 4W1, Front View Showing Stringing



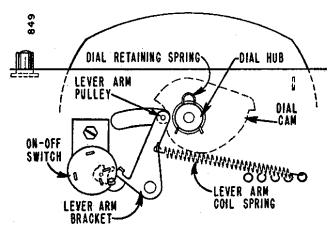
Illustrations below show front, rear and exploded views of dial mechanism. Follow the sequence shown in exploded view for disassembly or reassembly of the knobs, pointer or dial.

The "Hide-A-Way" dial mechanism is operated by the push button which works the trigger release bracket. The trigger bracket releases the dial assembly.

Thrust of the lever arm roller against the cam on back of the dial causes the dial to pop-up while a protruding edge on the lever arm simultaneously trips (turns on) the on-off switch.

Lever arm thrust is adjustable by attaching the far end of the lever arm spring to any of the holes spaced at different distances from the lever arm.

Rotating the dial fully to the left locks the dial into the cabinet and also trips (shuts-off) the on-off switch.

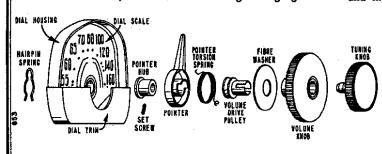


Chassis 4W1, "Hide-A-Way" Dial, Rear View

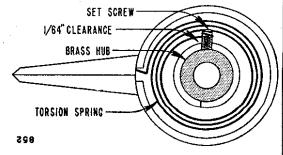
DIAL POINTER ON CHASSIS 4W1

The illustration shows an exploded view of the dial assembly and the sequence in which the pointer hub and torsion spring are to be assembled. When assembling the pointer torsion spring to the pointer, insert the rectangular end into the base of the pointer; compress the spring from about one-half to one turn in a clock-wise direction. Insert the rounded or looped end of the spring over the top end of the pointer set screw. Allow about 1/64" clearance between the inner turn of the pointer spring and pointer hub, or the pointer may bind or stick.

To adjust pointer, fully close the gang condenser. Set the end of the pointer over the two dots below 55 on the dial and tighten the pointer screw with a #4 Allen wrench, Important: Allow approximately 1/32" clearance between the hub on the pointer and the dial scale.



Chassis 4W1, Dial and Tuning Knob Assembly, Exploded View



Chassis 4W1, Dial Pointer and Hub Assembly

\$406

4-18-51

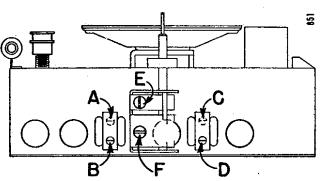
MODELS 4W18, 4W19, Ch. 4W1; 4T11, Ch. 4T1

ALIGNMENT PROCEDURE

- Use battery power for alignment if fresh batteries are available.
- When using AC power, an isolation transformer should be used if available. If not using an isolating transformer, connect a .1 mfd. condenser in series with the signal generator low side to B minus (pin 7 of 1U5 tube).
- Batteries should be held in chassis during alignment.
- Set volume control full on.
- Connect output meter across speaker voice coil.
- Use lowest setting of signal generator capable of producing adequate output meter indication.
- Use a non-metallic alignment tool for IF transformers.
- Repeat adjustments to insure good results.

Step	Dummy Antenna in Series with Signal Generator	Connection of Signal Generator (High Side)	Signal Generator Frequency	Receiver Gang Setting	Trimmer Description	Trimmer Designation	Type of Adjustmen
1	.001 mfd. when using A. C1 mfd. when using Battery	Antenna stator of tuning condenser	455 KC	Gang fully open	2nd IF 1st IF	*A, B *C, D	Maximum output
2	,,	,	1620 KC	,,	Oscillator (on gang)	E	,,
•		Install met	al chassis cove	r.	1		
3	Loop of several turns of wire, or place genera- tor lead close to re- ceiver for adequate sig- nal pickup.	No actual connection (signal by radiation)	1400 KC	Tune in generator signal	Antenna (on gang)	F	

^{*}Adjustments A and C are made from other side of chassis.



Trimmer Location, Underside of Chassis

REPLACING OF BATTERIES

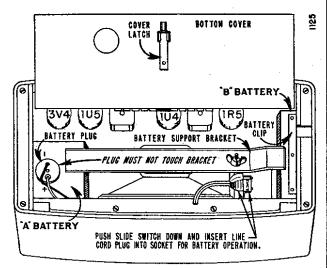
Use replacement "A" and "B" batteries of the following types: A Battery (7½ Volts): General 31, Eveready 717, Burgess C5, Ray-o-Vac 751C or equivalent.

B Battery (671/2 Volts): General 108, Eveready 467, Burgess XX45, Ray-o-Vac 4367 or equivalent.

Electrical characteristics of recommended batteries for these models provide for equal life for both the "A" and "B" batteries. "A" batteries may give satisfactory performance as low as 5.5 volts; "B" batteries as low as 49.5 volts. Replace batteries when reception is weak and voltage has dropped below values given above.

To install replacement batteries, slide the cover latch and open the hinged bottom cover. Then remove the wing nut which holds the battery support bracket in place.

Disconnect battery connectors from old batteries. Batteries can

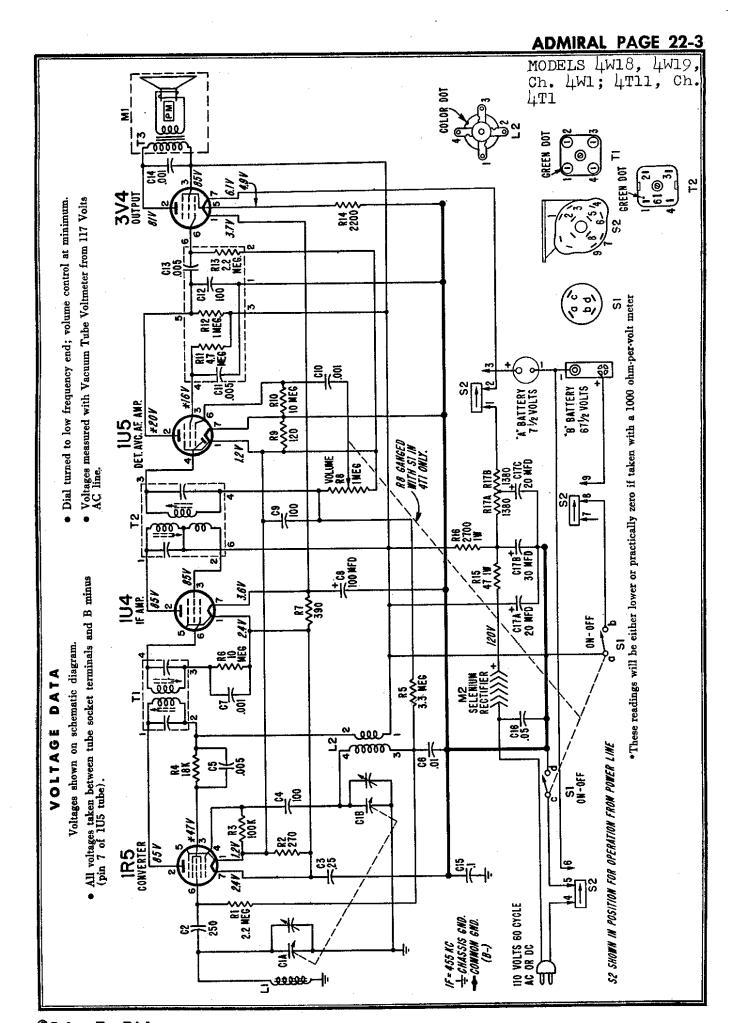


Tube and Battery Location

easily be removed from the set by grasping them with long nose pliers or if necessary removing the cabinet bottom. Install new batteries so battery connectors are farthest away from the ends of the battery bracket. Batteries may become shorted if bracket touches connectors.

REPLACING TUBES

Tubes can most conveniently be removed or replaced by first removing the batteries and cabinet bottom. A miniature tube puller or extractor will be of help in facilitating tube replacement.



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MODELS 4W18, 4W19, Ch. 4W1; 4T11, Ch. 4T1





4W18, 4W19



	RESISTORS		Bracket (4W1 only)		
Symbol	Description	Part No.	on-off switch mounting		
Rl	2.2 megohms, 1/2 watt 60	P 0 005	battery support	TOW	503
R2	270 ohms, ½ watt60	D 0-243	button release bracket	15.6	600
R3	100,000 ohms, ½ watt60	B 8-104	volume pulley and bracket ass'y.	A 331	ıŔ
R4	18,000 ohms, 1/2 watt 60	B 8-183	shield for gong	15 A	Ř18
R5	18,000 ohms, ½ watt 60 3.3 megohms, ½ watt 60	B 8.335	shield for gang cover for AC switch	15A	595
R6	- 10 megohins 1/2 watt	B 8-106	lever arm assembly	A325	54
R7	390 ohms, ½ watt60	B 8-391	Carton and Fillers	44B	165
ľ	1 Megohm, Vol. Control		Clip, IF Transformer mounting	72B	28-10
R8 .	for 4T175	B 1-43	Clip "B" Battery Connector	90A	5-3
	for 4W1 75	R 1.37	Cover, Metal for chassis	14C	78
R9	120 ohms, 1/2 watt60	B 8-121	Drum, Vol. control (4Tl only)	.17A	30
R10	120 ohms, ½ watt 60 10 megohms, ½ watt 60	B 8-106	Insulator, Fibre (for mtg. rectifier)	32A	137
*Rll	4.7 megohms, 1/5 watt		Customers Instructions		
*R12 *R13	1 megonm, 1/5 watt		for 4W18, 4W19	41A	18 42
R14	2.2 megonms, 1/5 wait		for 4T11	41A	18-38
R15	4.7 megohms, 1/5 watt 1 megohm, 1/5 watt 2.2 megohms, 1/5 watt 2,200 ohms, 1/2 watt 60	B 8-222	Dial Cord (order length needed;		
R16	47 ohms, 1 watt 60 2,700 ohms, 1 watt 60	D 14-470	24" required for 4W1, 30"		
RIŽA	1380 ohms \5 watt, Tapped	B 14-272	required for 4T1)	50A	1-3
R17B	1380 ohms Candohm6	1 7 6 7	Nut, Wing (#6/32 for battery		
	toos omns Journaonin	IA 3-7	support bracket)	2A	5-4-71
	CONDENSERS		Plate, Electrolytic Mounting	67A	2-1
1					
	:1D-:10ERO		Plug, "A" Battery Connector	88A	4-6
Symbol	Description	Part No.	Pulley, Brass	88A	4-6
Symbol ClA	Description	Part No.	Pulley, Brass mounts on volume control shaft		
Symbol ClA ClB	Description	Part No.	Pulley, Brass mounts on volume control shaft (4W1 only)	27 A	150-1
Symbol C1A C1B C2	Description	Part No.	Pulley, Brass mounts on volume control shaft (4W1 only) drive for volume control cord	27A 27A	150-1 149-1
C1A C1B C2 C3	Description 272 mmfd. max., Ant. Gang† 107 mmfd. max., Osc. 550. mmfd., ceramic	Part No.	Pulley, Brass mounts on volume control shaft (4W1 only) drive for volume control cord riveted to lever arm (4W1 only)	27A 27A	150-1 149-1
C1 A C1B C2 C3 C4	Description 272 mmfd. max., Ant. Gang† 107 mmfd. max., Osc. Gang† 250.mmfd., ceramic	Part No. B 6-5 B 1-28	Pulley, Brass mounts on volume control shaft (4W1 only) drive for volume control cord riveted to lever arm (4W1 only) Screw, Set	27A 27A	150-1 149-1
C1A C1B C2 C3 C4 C5	Description 272 mmid. max., Ant. Gang† 107 mmid. max., Osc. 5250.mmid., ceramic. 65	Part No. B 6-5 B 1-28 B 6-3	Pulley, Brass mounts on volume control shaft (4W1 only) drive for volume control cord riveted to lever arm (4W1 only) Screw, Set for volume control pulley	27A 27A 27A	150-1 149-1 146
C1A C1B C2 C3 C4 C5 C6	Description 272 mmfd. max., Ant. Gang† 107 mmfd. max., Osc. 525 mfd. 200 volts. paper 64 100 mmfd. ceramic 65 100 mmfd. ceramic 65 100 mfd. cerami	Part No. B 6-5 B 1-28 B 6-3 A 10-5	Pulley, Brass mounts on volume control shaft (4W1 only) drive for volume control cord riveted to lever arm (4W1 only) Screw, Set for volume control pulley (#6-32x3/16)	27A 27A 27A 27A	150-1 149-1 146
C1 A C1B C2 C3 C4 C5 C6 C7	Description 272 mmfd. max., Ant. Gang† 107 mmfd. max., Osc. 250.mmfd., ceramic	Part No. B 6-5 B 1-28 B 6-3 A 10-5 B 1-25 B 6-41	Pulley, Brass mounts on volume control shaft (4W1 only) drive for volume control cord_ riveted to lever arm (4W1 only) Screw, Set for volume control pulley (#6-32x3/16) Socket, Tube	27A 27A 27A 27A	150-1 149-1 146 48-3 3-4
C1 A C1B C2 C3 C4 C5 C6 C7 C8	Description 272 mmfd. max., Ant. Gang† 107 mmfd. max., Osc. 550. mmfd., ceramic. 65. 25 mfd. 200 volts. paper. 64. 100 mmfd., ceramic. 65. 601 mfd. 400 volts, paper. 64. 601 mfd. 400 volts, paper. 64. 601 mfd. min. ceramic. 65. 67. 65	Part No. B 6-5 B 1-28 B 6-3 A 10-5 B 1-25 B 6-41 A 4-6	Pulley, Brass mounts on volume control shaft (4W1 only) drive for volume control cord_ riveted to lever arm (4W1 only) Screw, Set for volume control pulley (#6-32x3/16) Socket, Tube	27A 27A 27A 27A	150-1 149-1 146 48-3 3-4
C1 A C1 B C2 C3 C4 C5 C6 C7 C8 C9	Description 272 mmfd. max., Ant. Gang† 107 mmfd. max., Osc. 250. mmfd., ceramic 65. 25 mfd. 200 volts. paper 64 100 mmfd., ceramic 65. 005 mfd. ceramic 65. 001 mfd. do volts. paper 64. 001 mfd. min. ceramic 65. 100 mfd. 25 volts. Elec. 67. 100 mmfd. ceramic 65. 100 mfd. 25 volts. 65. 005 mfd. 25 volts. 65. 005 mmfd. ceramic 65. 005 mmfd. 65. 00	Part No. B 6-5 B 1-28 B 6-3 A 10-5 B 1-25 B 6-41 A 4-6 B 6-3	Pulley, Brass mounts on volume control shaft (4W1 only) drive for volume control cord riveted to lever arm (4W1 only) Screw, Set for volume control pulley (#6-32x3/16) Socket, Tube Speed Nut, #5/32 (for trigger adjustment bracket)	27A 27A 27A 27A	150-1 149-1 146 48-3 3-4
C1A C1B C2 C3 C4 C5 C6 C7 C8 C9 C10	Description 272 mmfd. max., Ant. Gang† 107 mmfd. max., Osc. 525. mmfd., ceramic	Part No. B 6-5 B 1-28 B 6-3 A 10-5 B 1-25 B 6-41 A 4-6 B 6-3	Pulley, Brass mounts on volume control shaft (4W1 only) drive for volume control cord riveted to lever arm (4W1 only) Screw, Set for volume control pulley (#6-32x3/16) Socket, Tube Speed Nut, #5/32 (for trigger adjustment bracket) Sneed Nut, #5 Feet theory was	27A 27A 27A 1A 87A 2B	150-I 149-1 146 48-3 3-4 10-12
C1A C1B C2 C3 C4 C5 C6 C7 C8 C9 C10	Description 272 mmfd. max., Ant. Gang† 107 mmfd. max., Osc. 550.mmfd. ceramic. 65 mfd. 200 volts. paper. 64 100 mmfd. ceramic. 65 005 mfd. ceramic. 65 001 mfd. 400 volts. paper. 64 001 mfd. pmin. ceramic. 65 000 mmfd. 25 volts. Elec. 67 100 mfd. 25 volts. Elec. 67 000 mmfd. ceramic. 65 001 mfd. min. ceramic. 65 005 m	Part No. B 6-5 B 1-28 B 6-3 A 10-5 B 1-25 B 6-41 A 4-6 B 6-3	Pulley, Brass mounts on volume control shaft (4W1 only) drive for volume control cord riveted to lever arm (4W1 only) Screw, Set for volume control pulley (#6-32x3/16) Socket, Tube Speed Nut, #5/32 (for trigger adjustment bracket) Speed Nut, #5 Escutcheon mtg. (4T1 only)	27A 27A 27A 1A 87A 2B	150-I 149-1 146 48-3 3-4 10-12
C1A C1B C2 C3 C4 C5 C6 C7 C8 C9 C9 *C11	Description 272 mmfd. max., Ant. Gang† 107 mmfd. max., Osc. 250 mmfd., ceramic	Part No. B 6-5 B 1-28 B 6-3 A 10-5 B 1-25 B 6-41 A 4-6 B 6-3	Pulley, Brass mounts on volume control shaft (4W1 only) drive for volume control cord riveted to lever arm (4W1 only) Screw, Set for volume control pulley (#6-32x3/16) Socket, Tube Speed Nut, #5/32 (for trigger adjustment bracket) Speed Nut, #6 Escutcheon mtg. (4T1 only) Spring, Coil for 4W1 dial release bracket	27A 27A 27A 1A 87A 2B 2B	150-1 149-1 146 48-3 3-4 10-12 10-9-68
C1A C1B C2 C3 C4 C5 C6 C7 C8 C9 C10 *C11 *C12 *C13	Description 272 mmfd. max., Ant. Gang† 107 mmfd. max., Osc. 525 mmfd., ceramic	Part No. B 6-5 B 1-28 B 6-3 A 10-5 B 1-25 B 6-41 A 4-6 B 6-3 B 6-41	Pulley, Brass mounts on volume control shaft (4W1 only) drive for volume control cord riveted to lever arm (4W1 only) Screw, Set for volume control pulley (#6-32x3/16) Socket, Tube Speed Nut, #5/32 (for trigger adjustment bracket) Speed Nut, #6 Escutcheon mtg. (4T1 only) Spring, Coil for 4W1 dial release bracket	27A 27A 27A 1A 87A 2B 2B	150-1 149-1 146 48-3 3-4 10-12 10-9-68
C1A C1B C2 C3 C4 C5 C6 C7 C8 C9 C10 *C11 *C12 *C13 C14	Description 272 mmfd. max., Ant. Gang† 107 mmfd. max., Osc. 250 mmfd., ceramic	Part No. 6B 6-5 6B 1-28 6B 6-3 6B 1-25 6B 1-25 6B 6-41 7A 4-6 7B 6-41	Pulley, Brass mounts on volume control shaft (4W1 only) drive for volume control cord riveted to lever arm (4W1 only) Screw, Set for volume control pulley (#6-32x3/16) Socket, Tube Speed Nut, #5/32 (for trigger adjustment bracket) Speed Nut, #6 Escutcheon mtg. (4T1 only) Spring, Coil for 4W1 dial relase bracket (½"x3/16" dia. for 4W1 lever arm (134" long)	27A 27A 27A 1A 87A 2B 2B	150-1 149-1 146 48-3 3-4 10-12 10-9-68
C1A C1B C2 C3 C4 C5 C6 C7 C8 C9 C10 *C11 *C12 *C13 C15	Description 272 mmfd. max., Ant. Gang† 107 mmfd. max., Osc. 107 mmfd., ceramic	Part No. 18 6-5 18 1-28 18 6-3 18 1-25 18 1-25 18 1-25 18 6-41 18 6-3 18 6-41	Pulley, Brass mounts on volume control shaft (4W1 only) drive for volume control cord riveted to lever arm (4W1 only) Screw, Set for volume control pulley (#6-32x3/16) Socket, Tube Speed Nut, #5/32 (for trigger adjustment bracket) Speed Nut, #6 Escutcheon mtg. (4T1 only) Spring, Coil for 4W1 dial relase bracket (½"x3/16" dia. for 4W1 lever arm (134" long)	27A 27A 27A 1A 87A 2B 2B	150-1 149-1 146 48-3 3-4 10-12 10-9-68
C1A C1B C2 C3 C4 C5 C6 C7 C8 C9 C10 *C11 *C112 *C13 C14 C15 C16	Description 272 mmfd. max., Ant. Gang† 107 mmfd. max., Osc. 250 mmfd., ceramic 65 mfd. 200 volts. paper 64 100 mmfd. ceramic 65 605 mfd. ceramic 65 601 mfd. 400 volts. paper 64 601 mfd. min. ceramic 65 600 mfd. 25 volts. Elec. 67 600 mfd. 25 volts. Elec. 65 600 mfd. din. ceramic 65 mfd. ceramic 65 600 mfd. din. din. ceramic 65 600 mfd. din. din. din. din. din. din. din. di	Part No. 18 6-5 18 1-28 18 6-3 18 1-25 18 1-25 18 1-25 18 6-41 18 6-3 18 6-41	Pulley, Brass mounts on volume control shaft (4W1 only) drive for volume control cord riveted to lever arm (4W1 only) Screw, Set for volume control pulley (#6-32x3/16) Socket, Tube Speed Nut, #5/32 (for trigger adjustment bracket) Speed Nut, #6 Escutcheon mtg. (4T1 only) Spring, Coil for 4W1 dial relase bracket (½"x3/16" dia. for 4W1 lever arm (134" long)	27A 27A 27A 1A 87A 2B 2B	150-1 149-1 146 48-3 3-4 10-12 10-9-68
C1A C1B C2 C3 C4 C5 C6 C7 C8 C9 C10 *C12 *C12	Description 272 mmfd. max., Ant. Gang† 107 mmfd. max., Osc. 250 mmfd., ceramic	Part No. B 6-5 B 1-28 B 1-28 B 1-28 C 10-5 B 1-25 B 6-41 A 4-6 B 6-3 B 6-41 B 6-41 B 6-41 B 8-28	Pulley, Brass mounts on volume control shaft (4W1 only) drive for volume control cord riveted to lever arm (4W1 only) Screw, Set for volume control pulley (#6-32x3/16) Socket, Tube Speed Nut, #5/32 (for trigger adjustment bracket) Speed Nut, #5 Escutcheon mtg. (4T1 only) Spring, Coil for 4W1 dial relase bracket (½"x3/16" dia. for 4W1 lever arm (1¾" long) for 4W1 dial cord (tension) (7/16"x½" dia.) for 4T1 dial cord (tension)	27A 27A 27A 1A 87A 2B 2B 19B 19B	150-1 149-1 146 48-3 3-4 10-12 10-9-68 1-18 64 1-16
C1A C1B C2 C3 C4 C5 C6 C7 C8 C9 C10 *C11 *C13 C14 C15 C15 C16 C17A	Description 272 mmfd. max., Ant. Gang† 107 mmfd. max., Osc. 250. mmfd., ceramic	Part No. B 6-5 B 1-28 B 1-28 B 1-28 C 10-5 B 1-25 B 6-41 A 4-6 B 6-3 B 6-41 B 6-41 B 6-41 B 8-28	Pulley, Brass mounts on volume control shaft (4W1 only) drive for volume control cord riveted to lever arm (4W1 only) Screw, Set for volume control pulley (#6-32x3/16) Socket, Tube Speed Nut, #5/32 (for trigger adjustment bracket) Speed Nut, #6 Escutcheon mtg. (4T1 only) Spring, Coil for 4W1 dial relase bracket (½"x3/16" dia. for 4W1 lever arm (134" long) for 4W1 dial cord (tension) (7/16"x1/8" dia.) for 4T1 dial cord (tension) (11/32"x3/64" dia.)	27A 27A 27A 1A 87A 2B 19B 19B 19B	150-1 149-1 146 48-3 3-4 10-12 10-9-68 1-18 64 1-16 1-17
C1A C1B C2 C3 C4 C5 C6 C7 C8 C9 C10 *C11 *C13 C14 C15 C15 C17 C17 C17 C17 C17 C17 C17 C17 C17 C17	Description 272 mmfd. max., Ant. Gang† 107 mmfd. max., Osc. 250. mmfd., ceramic	Part No. 18 6-5 18 1-28 18 10-5 18 1-25 18 1-25 18 6-41 18 6-3 18 6-41 18 8-3 18 6-41 18 8-28	Pulley, Brass mounts on volume control shaft (4W1 only) drive for volume control cord riveted to lever arm (4W1 only) Screw, Set for volume control pulley (#6-32x3/16) Socket, Tube Speed Nut, #5/32 (for trigger adjustment bracket) Speed Nut, #5 Escutcheon mtg. (4T1 only) Spring, Coil for 4W1 dial relase bracket (½"x3/16" dia. for 4W1 lever arm (1¾" long) for 4W1 dial cord (tension) (7/16"x½" dia.) for 4T1 dial cord (tension)	27A 27A 27A 1A 87A 2B 19B 19B 19B	150-1 149-1 146 48-3 3-4 10-12 10-9-68 1-18 64 1-16 1-17
C1A C1E C2 C3 C4 C5 C6 C7 C8 C9 C10 *C11 *C13 C14 C15 C15 C15 C17 C15 C17 C17 C17 C17 C17 C17 C17 C17 C17	Description 272 mmfd. max., Ant. Gang† 107 mmfd. max., Osc. 250. mmfd., ceramic	Part No. 18 6-5 18 1-28 18 10-5 18 1-25 18 1-25 18 6-41 18 6-3 18 6-41 18 8-3 18 6-41 18 8-28	Pulley, Brass mounts on volume control shaft (4W1 only) drive for volume control cord riveted to lever arm (4W1 only) Screw, Set for volume control pulley (#6-32x3/16) Socket, Tube Speed Nut, #5/32 (for trigger adjustment bracket) Speed Nut, #6 Escutcheon mtg. (4T1 only) Spring, Coil for 4W1 dial relase bracket (½"x3/16" dia. for 4W1 lever arm (134" long) for 4W1 dial cord (tension) (7/16"x1/8" dia.) for 4T1 dial cord (tension) (11/32"x3/64" dia.)	27A 27A 27A 1A 87A 2B 19B 19B 19B	150-1 149-1 146 48-3 3-4 10-12 10-9-68 1-18 64 1-16 1-17

	,	-1	
Symbo.	Description	Part No.	
Ī.1	Antenna, Rod690		Descrip
L2	Coil, Oscillator 69.	A 39-5	Bottom
Tl	Transformer, 1st IF	3 28-1	Ebon
T2	Transformer, 2nd IF721	B 28-62	CÓI
T3	Transformer, Output98.	A 21	_ plc
ΜI	Speaker (3½" PM) and		Gree
	_Output Trans781	B 5 8 -1	CO
M2	Rectifier, Selenium93,	A 1-6	_ plo
Sl	Switch, On-Off, DPST, (less		Ton
	bracket)77	A 23	cor
S2	Switch, Power Change 77	A 19-1	plo Bracke
	*Couplate (includes RII, RI2,		
	RÍ3, C11, C12, C13)632	4.4-3	ends
			Button,
		_	Gree
	MISCELLANEOUS PART	S	Tan
			Cabine
Descrip	tion	Part No.	Gree

Description	Part No
Bottom, Cabinet (Base)	
Ebony for 4T11	
complete with metal door	A3270
plastic frame only	34D 35-2
Green for 4W18	01D 001
complete with metal door	X 3403
plastic frame only	
Ton for 4W19	94D 99-6
	T-0404
complete with metal door	A3494
plastic frame only	34D 35-8
Bracket, Handle Support (metal	
_ ends)	20B 14
Button, Push	
Green for 4W18	33A 61-3
Tan for 4W19	33A 61-4
Cabinet (less bottom)	
Green for 4W18	34D 35-5
Ton for 4W19	_34D 35-7
Ebony for 4T11	340 44.1
	11-1

•		
Grille Cloth, Speaker (4W1)	36B	3-81
Grille Cloth, Speaker (4W1) Grille, Plastic (gold) (4W1) Grille, Plastic (black) (4T1)	23C	95.1
Grille: Plastic (black) (4T1)		04 1
Handle, Carrying (plastic covering Ebony for 4T11 Green for 4W18		3-2-1
Phone for ATIL	id our	Y)
EDONY 101 4111	33A	28-1
Green for 4W18	33A	58-3
IGH IOF 4WIS	33.3 A	59.4
Hinge, Bottom Cover	37A	33
Hinge, Bottom Cover Knob, Volume		
Green for 4W18	330	56.0
Ton for AW19	-336	E6 10
Phony for ATI1	_000	20-10
Tan for 4W19 Ebony for 4T11 Knob. Tuning (includes compression for 4W18 Green for 4W18	_330	61-1
knob, luming (includes compress)	on rin	g)_
Green for 4W18		491
I GR TOL 4WIS	A3	492
LOONY for 4111	A3	473
Pointer, Dial		
for 4Tl chassis	25B	47.1
tor AWI chargie	OC R	40
Bing Compression /for tuning land		40
Ring, Compression (for tuning known for 4W18, 4W19	, Jac	
f- 4013	iàV	31-6
for 4T11 Ring, Compression (for Pointer, 4T)	19A	31-7
Ring, Compression (for Pointer, 4T)	l) 19A	31-2
Rivet Shouldes		
with 5/64 shoulder with 15/64 shoulder	c x	499
with 7/64 shoulder	- 22	4 10 71
with 15/64 charden	OA	4-12-/1
with 15/64 shoulder	OA	4-11-2
with 3/32 shoulder	6A	4-7-71
Rubber Strap, for carrying handle	₽	
upper, with 13/32" holes	12A	38
lower, with 1/4" holes	12A	38-1
Screw		
#4x% self tapping; for mtg. plastic base to cabinet. #8-32x7/16; for mtg. handle an		
plastic base to exhibit	1 7	00 0 71
#0 22x7/10 for min h = 11	- IU	03-0-71
#6-32X//10; for mig. nanate an	<u>a</u>	
chassis Slide Arm (for bottom door)	280-43	7-C2-71
Slide Arm (for bottom door)	15A	291
Spring, Support (for carrying handle)		
handle)	10 2	42
Washer		**
6-14 f 43271 1 1 1		
felt, for 4W1 volume knob felt, for 4T1 volume knob	5A	4-17
ieit, ior 411 volume knob	5A	4-8
libre, for retaining volume kno	ъ	
on 4W1 (15/16"OD x 7/16"ID)	5A	1-17
. , ,		

PARTS FOR "HIDE-A-WAY" DIAL in 4W1 Chassis

m way i Chassis				
Description	P	art No.		
Dial Scale				
Green for 4W18	22C	25-5		
Ion for 4W19	_22C	25-7		
Housing Assembly, Metal (for dia	1			
scale, includes hub and cam)				
Green for 4W18	АЗ	495		
Tan for 4W19				
Hub, Brass (for dial pointer)				
Pointer, Dial	25A	40		
Pulley, Brass (volume tuning				
sleeve)	27A	149-1		
Screw (#6x5/6 S.T.B.H.—for mtg.				
dial trim)	IA	71-9-71		
Screw, Set (#4-40x5/16—for dial				
pointer hub)	_ 1A	43-4		
Spring, Hairpin (for mtg. dial				
assembly)	19A	2-6		
Spring, Pointer Torsion	19A	63		
Trim, Plastic (front bottom of dia!	honei	nor)		
Green for 4W18	33B	60.3		
Tan for 4W19	_33B	60-4		

†Use number 68B34-1 gang for 4W1 chassis, and number 68B41 gang for 4T1 chassis. Except for shaft lengths, these gang condensers are identical.

*Part of couplate (part #63A4-3). Replace with exact duplicate or individual components. Note that numbers 1, 2, 3, 4, 5, 6, on schematic correspond to lead numbers printed on face of couplate.

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Baffle, Speaker