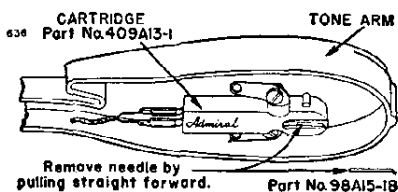


RECORD CHANGER SERVICE DATA

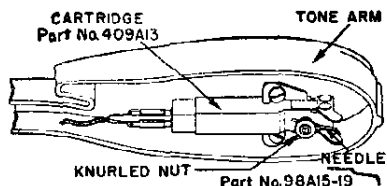
The changer model number will be found stamped at the top rear of the changer base and also on the changer model label.

Cartridge and Needle

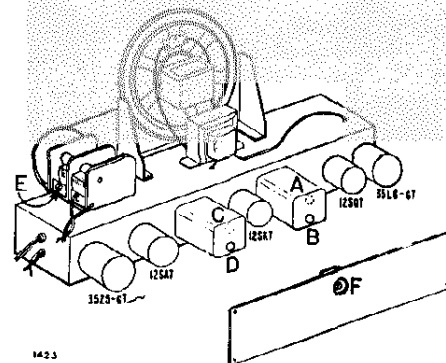
As shown in the illustrations, alternate cartridges may be used. Cartridges are interchangeable when complete with needle.



Remove needle by pulling straight forward.



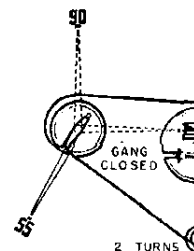
TUBE AND TRIMMER LOCATION



Adjustments A and C made from underside of chassis.

DIAL STRINGING AND POINTER SETTING

Dial stringing and pointer with solid lines shown with gang closed. Dashed line pointer positions (1400 KC and 900 KC) shown when tuning condenser is tuned to generator signal.



ALIGNMENT PROCEDURE

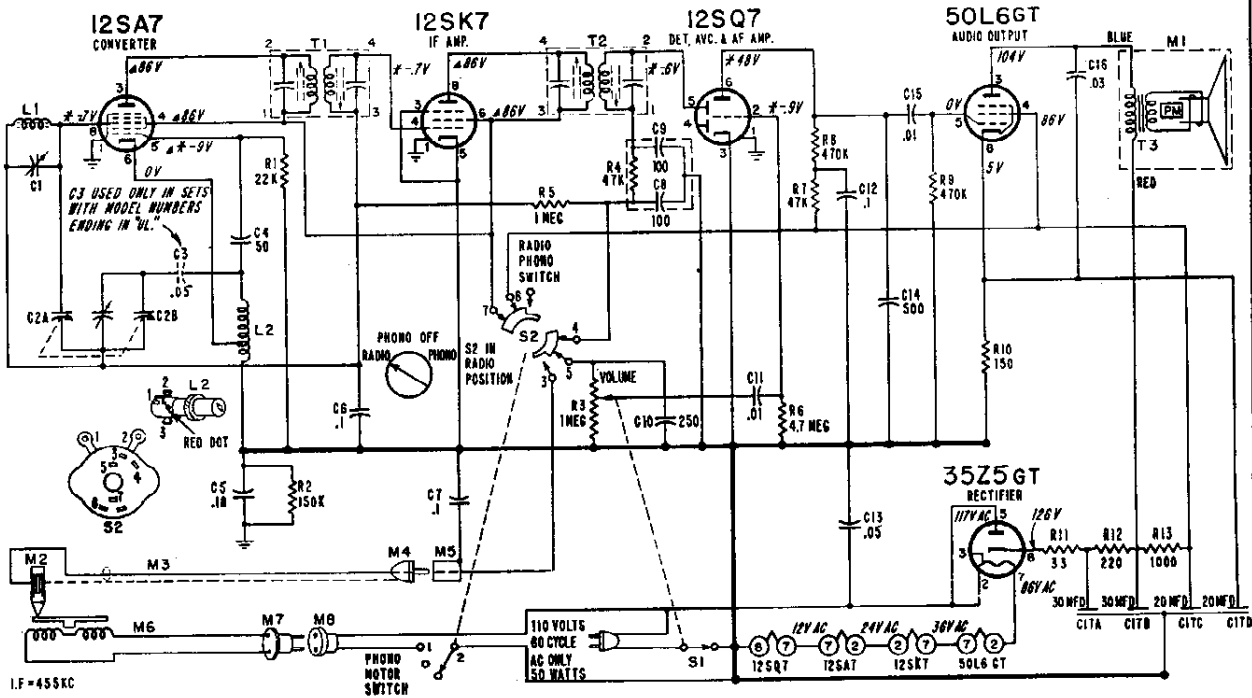
- Turn receiver volume control full on.
- Antenna must be connected and placed in the same relative position to the chassis as when in cabinet.
- Use an isolation transformer if available, otherwise connect a .1 mfd. condenser in series with low side of signal generator and connect to chassis. Caution: Do not connect a ground wire directly to chassis.
- Connect output meter across speaker voice coil.
- Use lowest output setting of signal generator capable producing adequate output meter indication and proceed the following sequence.
- 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 Adjustm |
|------|---|--|----------------------------|-----------------------|---------------------|---------------------|-----------------|
| 1 | 250 mmfd. condenser | Tuning condenser, antenna stator | 455 KC | Gang fully open | 2nd IF 1st IF | *A, B *C, D | Maximum output |
| 2 | 250 mmfd. condenser | Tuning condenser, antenna stator | 1620 KC | Gang fully open | Oscillator | E | Maximum output |

Mount dial pointer. Set pointer to horizontal position with tuning condenser tuned to 1400 KC generator signal (see illustration below). Rotate the tuning condenser until the pointer is in a vertical position (900 KC), then slip chassis in cabinet, carefully guiding the pointer so that it locates between the dial escutcheon and the cabinet. Install antenna and chassis mounting box. The pointer and escutcheon may be mounted after installing the chassis in cabinet as follows: Set pointer to horizontal position with gang tuned to 1400 KC signal. Place escutcheon on cabinet. With long nose pliers slip the hairpin ends of the escutcheon mounting springs in holes of escutcheon tabs.

| | | | | | | | |
|---|--|--|---------|--------------------------|---------|----|----------------|
| 3 | Loop of several turns of wire, or place generator lead close to receiver antenna for adequate signal pickup. | No actual connection (signal by radiation) | 1400 KC | Tune in generator signal | Antenna | †F | Maximum output |
|---|--|--|---------|--------------------------|---------|----|----------------|

*Adjustments A and C made from the underside of the chassis. If IF transformers have hollow core slugs, these adjustments will all be made from the top of chassis, if you use alignment tool #98A30-7 obtainable from your Admiral distributor. The bottom IF slug adjustment may be reached through the hollow core in the upper slug.
† Antenna Trimmer "F" should be aligned after chassis and antenna are mounted in cabinet.



I.F. = 455KC
COMMON GRD. (B-) →
CHASSIS GRD. ⊥

99C97

*These readings will be either lower or practically zero if taken with a 1000 ohm-per-volt meter.
▲ These readings will be zero on "Phono"; all other DC readings may be slightly higher.

VOLTAGE DATA

Voltagcs given on schematic diagram.

- All readings made between tube socket terminals and B minus (terminal of On-Off switch).
- Switch S2 in "Radio" position.
- Measured on 117 Volt 60 Cycle AC line.
- Volume control minimum; dial turned to low end.
- Voltages measured with Vacuum Tube Voltmeter.

RESISTORS

| Symbol | Description | Part No. |
|--------|---------------------------------------|------------|
| R1 | 22,000 ohms, 1/2 watt | 60B 8-223 |
| R2 | 150,000 ohms, 1/2 watt | 60B 8-154 |
| R3 | 1 megohm, volume and On-Off Switch S1 | 75B 1-41 |
| R4 | 47,000 ohms, 1/4 watt | 60B 8-105 |
| R5 | 1 megohm, 1/2 watt | 60B 8-475 |
| R6 | 4.7 megohms, 1/2 watt | 60B 8-473 |
| R7 | 47,000 ohms, 1/2 watt | 60B 8-474 |
| R8 | 470,000 ohms, 1/2 watt | 60B 8-474 |
| R9 | 470,000 ohms, 1/2 watt | 60B 8-474 |
| R10 | 150 ohms, 1 watt | 60B 14-151 |
| R11 | 33 ohms, 1 watt | 60B 28-3 |
| R12 | 220 ohms, 1 watt | 60B 28-7 |
| R13 | 1,000 ohms, 1 watt | 60B 28-2 |

CONDENSERS

| Symbol | Description | Part No. |
|--------|------------------------------|-----------------|
| C1 | Trimmer, 3 to 30 mmfd. | Part of L1 |
| C2A | Ant. 324 mmfd. max. | Gang 58B 30-1 |
| C2B | Osc. 108 mmfd. max. | Gang 58B 30-1 |
| C3 | Dial drum spotwelded to gang | 58B 6-4 |
| C4 | .05 mfd., 400 volts, paper | 64B 1-22 |
| C5 | 50 mmfd., Ceramic | 65B 6-4 |
| C6 | .18 mfd., 200 volts, paper | 64A 2-2 |
| C8 | .1 mfd., 200 volts, paper | 64B 1-30 |
| C7 | .1 mfd., 200 volts, paper | 64B 1-30 |
| C8 | 100 mmfd., Ceramic | 65B 6-5 |
| C9 | 250 mmfd., ceramic | 65B 6-5 |
| C10 | .01 mfd., 400 volts, paper | 64B 1-25 |
| C12 | .1 mfd., 200 volts, paper | 64B 1-30 |
| C13 | .05 mfd., 400 volts, paper | 64B 1-22 |
| C14 | 500 mmfd., Ceramic | 65B 6-6 |
| C15 | .01 mfd., 400 volts, paper | 64B 1-25 |
| C16 | .03 mfd., 400 volts, paper | 64B 1-23 |
| C17A | 30 mid., 150 volts | Elect. 67A 14-1 |
| C17B | 30 mid., 150 volts | |
| C17C | 20 mid., 150 volts | |
| C17D | 20 mid., 25 volts | |

COILS, TRANSFORMERS, ETC.

| Symbol | Description | Part No. |
|--------|-------------------------------------|----------|
| L1 | Rod Antenna (includes board and C1) | 69B 144 |

| Symbol | Description | Part No. |
|--------|-----------------------|------------|
| L2 | Coil, Oscillator | 69A 52 |
| T1 | Transformer, 1st IF | 72B 50 |
| T2 | Transformer, 2nd IF | 72B 51 |
| T3 | Transformer, Output | 79A 11-3 |
| M1 | Speaker, (5" pm) | 78B 39-3 |
| M5 | Socket, Phono input | 88A 1 |
| M8 | Socket & Leads, Motor | 89A 6-3 |
| S1 | Switch, On-Off | Part of R3 |
| S2 | Switch, Radio-Phono | 77A 28-1 |
| † | Diode Filter | 63A 3-1 |

MISCELLANEOUS

| Description | Part No. |
|---|-------------|
| Carton and Fillers | 44B 145 |
| Clip, Electrolytic Mounting | 18A 10-6 |
| Speed Nut (asc. mtg.) | 2B 10-35-68 |
| Dial Cord | 50A 1-3 |
| Drum, Pointer | 17A 27 |
| Gasket, Sponge Rubber (mounts on Speaker) | 12B 43 |
| Grommet, Rubber (gang mtg.) | 12A 1-2 |
| Insulator, Phono Receptacle | 32A 46 |
| Manual | |
| Customer Instruction | 41A 18-46 |
| Service, for RC550 Changer | S327 |
| Plate, Pointer Support | 15A 498 |
| Pointer, Dial | 25A 35-1 |
| Shaft, Pointer | 28A 42 |
| Sleeve, Pointer Shaft | 27A 124 |
| Sleeve, Tuning (Brass) | 27A 123 |
| Spacer, "T" (gang condenser mtg.) | 29A 2-1-71 |
| Spring, Dial Cord Tension | 19B 1-5 |
| Washer, "C" (for pointer drum) | 4A 4-6 |
| Washer, Spring | 4A 6-10-0 |

CABINET PARTS

| | |
|----------------------------------|-----------|
| Cabinet, Plastic | |
| Bottom, less lid (Ebony 5M21) | 34D 28-3 |
| Bottom, less lid (Mahogany 5M22) | 34D 28-5 |
| Lid only (Ebony 5M21) | 34D 28-11 |
| Lid only (Mahogany 5M22) | 34D 28-12 |

| Description | Part No. |
|---------------------------------|---------------|
| Clamp, Cable | 11A 2-2 |
| Escutcheon, Dial | |
| Copper Painted, for 5M22 | 23C 51-1 |
| Ebony Painted, for 5M21 | 23C 51-3 |
| Escutcheon Ring (Gold trim) | 23A 5-3 |
| Hinge | 37A 8-1 |
| Hinge Screw (6/32x1/4 BH MS) | 365-250-C2-58 |
| Hinge Stud | 27A 17-1 |
| Knobs, Radio, for Ebony 5M21 | |
| "Tuning" (outer knob) | 33C 55-11 |
| "Radio-Phono" (inner knob) | 33C 55-12 |
| "Off-On Volume" | 33C 55-30 |
| Knobs, Radio, for Mahogany 5M22 | |
| "Tuning" (outer knob) | 33C 55-7 |
| "Radio-Phono" (inner knob) | 33C 55-8 |
| "Off-On Volume" | 33C 55-31 |
| Rubber Bumper | |
| for cabinet bottom | 12A 3-4 |
| for cabinet top | 12A 9-8 |
| Spring, Escutcheon Retaining | 19A 60 |
| Stay Arm and Plate | 37A 9-1 |
| Washer, Felt (for tuning knobs) | 5A 4-11 |

PHONOGRAPH PARTS

| Symbol | Description | Part No. |
|--|--|-----------|
| M2 | Cartridge Pickup (includes needle) | 409A 13 |
| M3 | Cable, Shielded Pickup (includes plug) | 413A 11-1 |
| M4 | Plug, Pickup Cable | 88A 2-3 |
| M6 | Motor, Phono (3 speed) | 407B 19 |
| M7 | Plug, Motor (Male) | 88A 8-1 |
| Adapter, 45 RPM (envelope of 12) | 48A 8-1 | |
| Button, Snap-in Plug | 13A 2-6-57 | |
| Centerpost, Record | G400B 505-1 | |
| Idle Wheel (includes tire) | G400A 279 | |
| Needle, Pickup | | |
| for 409A13 cartridge | 98A 15-19 | |
| for 409A13-1 cartridge | 98A 15-18 | |
| Needle Retaining Nut (for 409A13 cartridge) | 98A 54-2 | |
| Service Manual, RC550 Changer | S327 | |
| Screw and Washer, Changer Mounting (10-32x1/4 RH MS) | AA210 | |
| Spring, Changer Float | 19A 10-3 | |

† Part of Diode Filter 63A3-1. This unit consisting of C8, C9 and R4 may be replaced with individual components.