



MODEL
NO. 1422

* The phonograph of tomorrow . . .
latest in design, color, lighting effect,
animation, eye appeal, quality of tone
and
flawless performance

ROCK-OLA

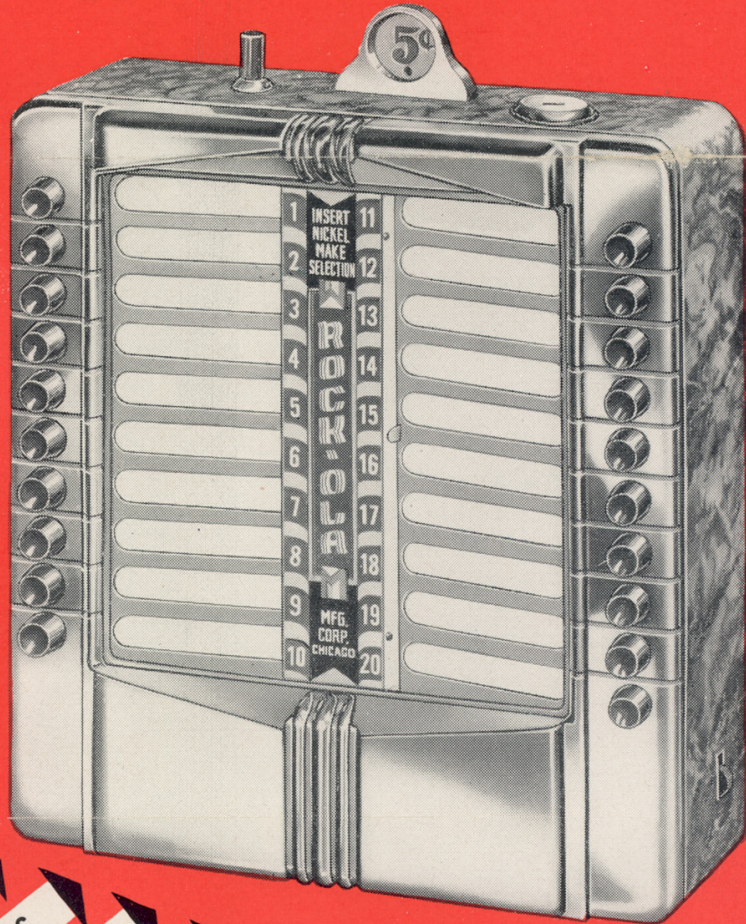




New

ROCK-OLA

WALL BOX



Model 1530

DIRECT WIRE CONNECTIONS

SMALL

COMPACT

ALL METAL CASE

AMPLE CASH BOX

PUSH BUTTON SELECTION

SHOCK PROOF POSITIVE ACTION COIN SWITCH

HINGED QUICK-CHANGING PROGRAM FRAMES

ADJUSTABLE BRACKET FOR BAR OR COUNTER MOUNTING

10 1/2" HIGH 9 1/2" WIDE 3" DEEP

BRILLIANT PROGRAM LIGHTING

THE BEST IN MUSIC!

ROCK-OLA

"THE PHONOGRAPH OF TOMORROW" ...TODAY!



Model 1422

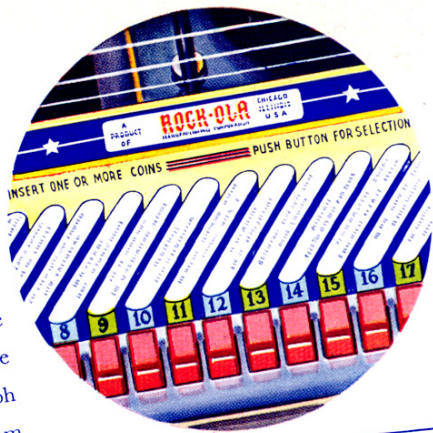


ROCKOLA MANUFACTURING CORP. • 800 NORTH KEDZIE AVE. • CHICAGO 51, ILL.

MODERN DISTRIBUTING CO.

line-o-selector

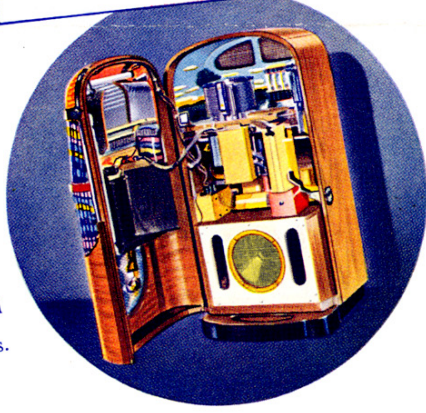
Unique alignment of program and corresponding selection buttons assures quick, positive choice of play. Shortest changing cycle of any coin-operated phonograph ever marketed. Single program plate removable for easy title-strip change



new features

composite front

Complete lightup assembly built into front door. When open offers full accessibility to all units.



rainbow lightup motif

New development combining—brilliance of color and animation—with Moulded Plastics.

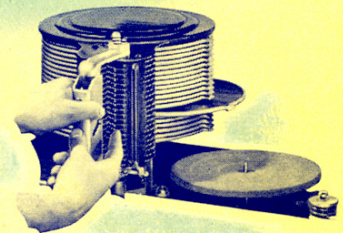


Height 58" • Width 29 3/4" • Depth 26" • Uncrated 342 lbs. • Crated 404 lbs.



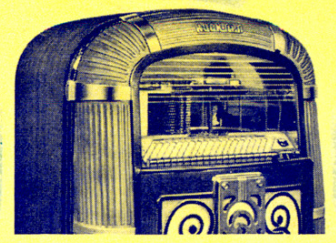
separate 5c, 10c, 25c coin chutes

Drop type single unit slug rejector. New and improved service mounting bracket.



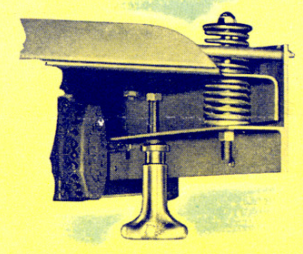
record tray release

Simplifies record changing. Pull out release bar for instant record servicing.



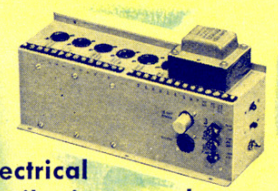
complete visibility

Chromium plated 20 Record Mechanism Coin Chutes—Program—Thank You Register and Cancel Button in view.



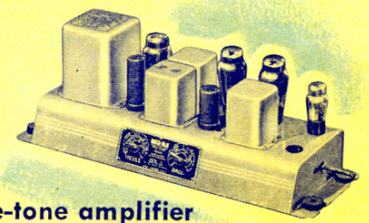
mechanism chassis anchors

Hand knobs anchor the floating chassis during shipments. Permanently attached for convenience.



electrical distribution panel

Entire electrical system in one compact unit. Plug in connections. Cabinet lights—control switches fuses and terminal strip for remote control boxes.



true-tone amplifier

Rubber cushion mounting—Plug in filter condensers—Matched tubes—continuously variable tone controls—new and exclusive features insure rich and true full range fidelity.

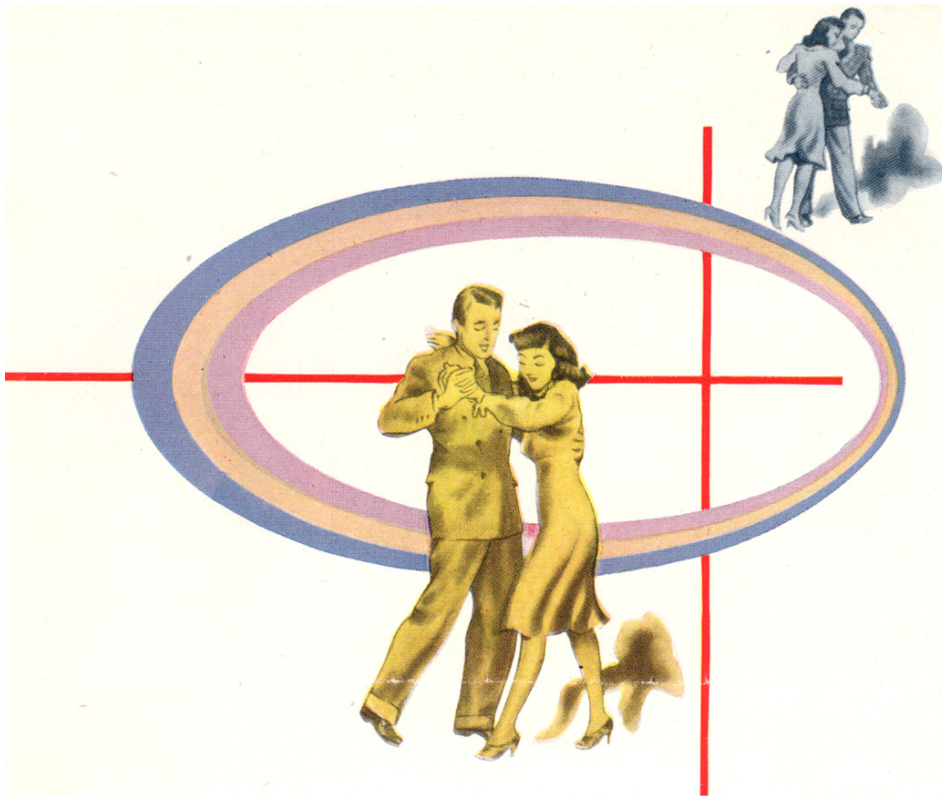
ROCK-OLA

THE PHONOGRAPH

THAT *Sells*

MUSIC





THE EYES of the Coin Operated Music World are on ROCK-OLA . . . from Rio to Peru . . . Cairo to Sioux City.

FOR ROCK-OLA alone has earned the distinction of being "The Phonograph that SELLS Music" . . . leading the industry as world's finest investment in multi-selective, coin operated music equipment for public places.

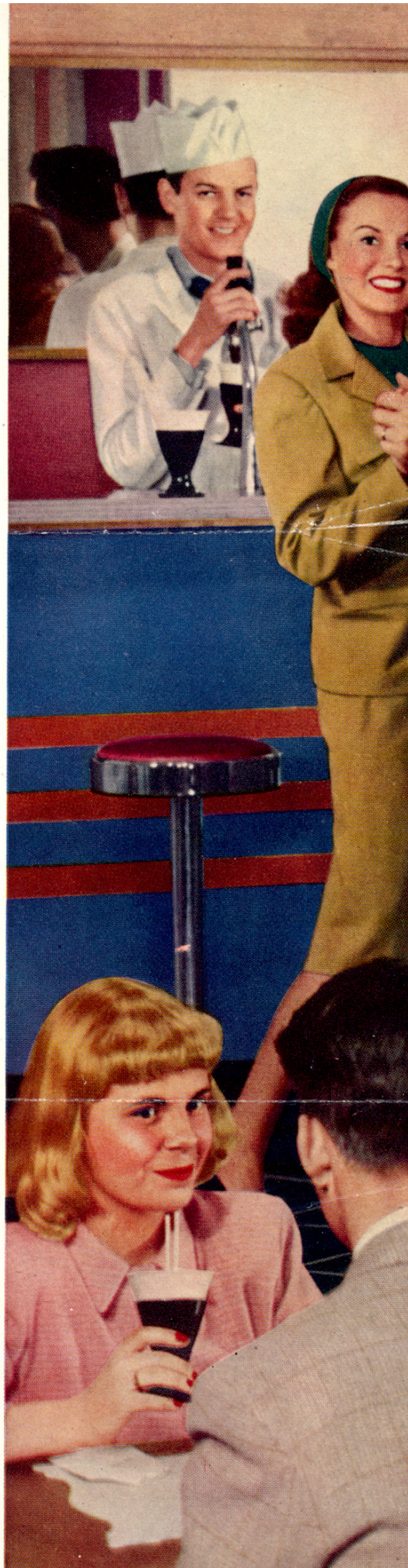
ROCK-OLA brings today's experienced Route Operator new high standards of mechanical excellence and matchless economy.

ROCK-OLA brings the seasoned location owner new heights of achievement in Phonograph Showmanship . . . to hold and increase his public patronage.

Plan ahead, expand, and replace! Do it more successfully, more economically . . . more profitably . . . with ROCK-OLA Equipment.

ROCK-OLA

THE PHONOGRAPH
THAT Sells
MUSIC

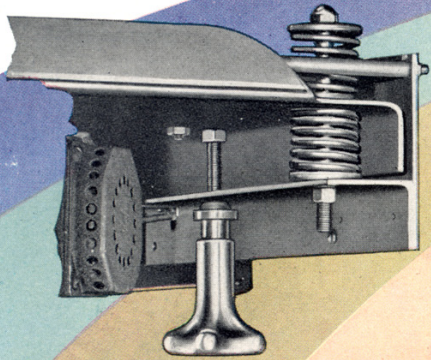
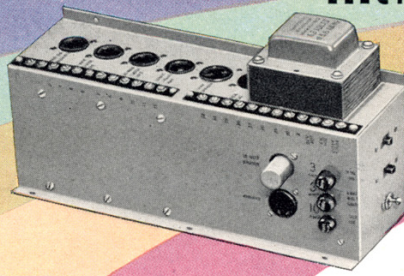






ELECTRICAL DISTRIBUTION PA

Entire electrical system in one co
automatic starters for fluores
in connections—control switch
terminal strip for remote cor

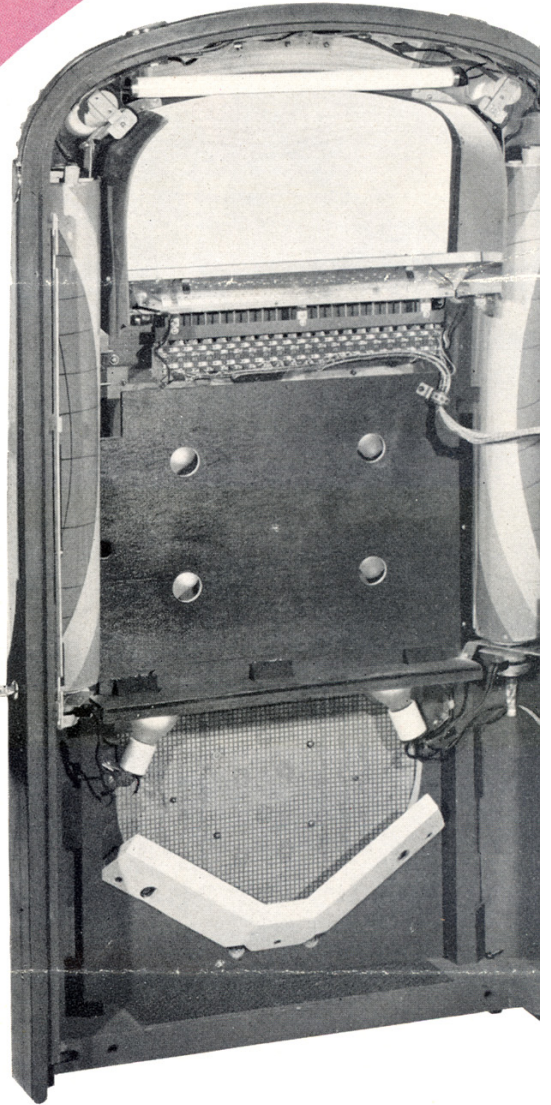


MECHANISM CHASSIS ANCHORS

Hand knobs anchor the floating chassis during shipment. Permanently attached for convenience.

SEPARATE 5c, 10c, 25c, COIN CHUTES

Drop style single unit slug rejecter.
New and improved service mounting bracket.

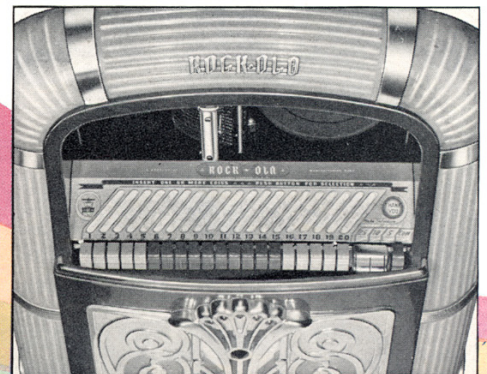


ROCK-OLA



RECORD TRAY RELEASE

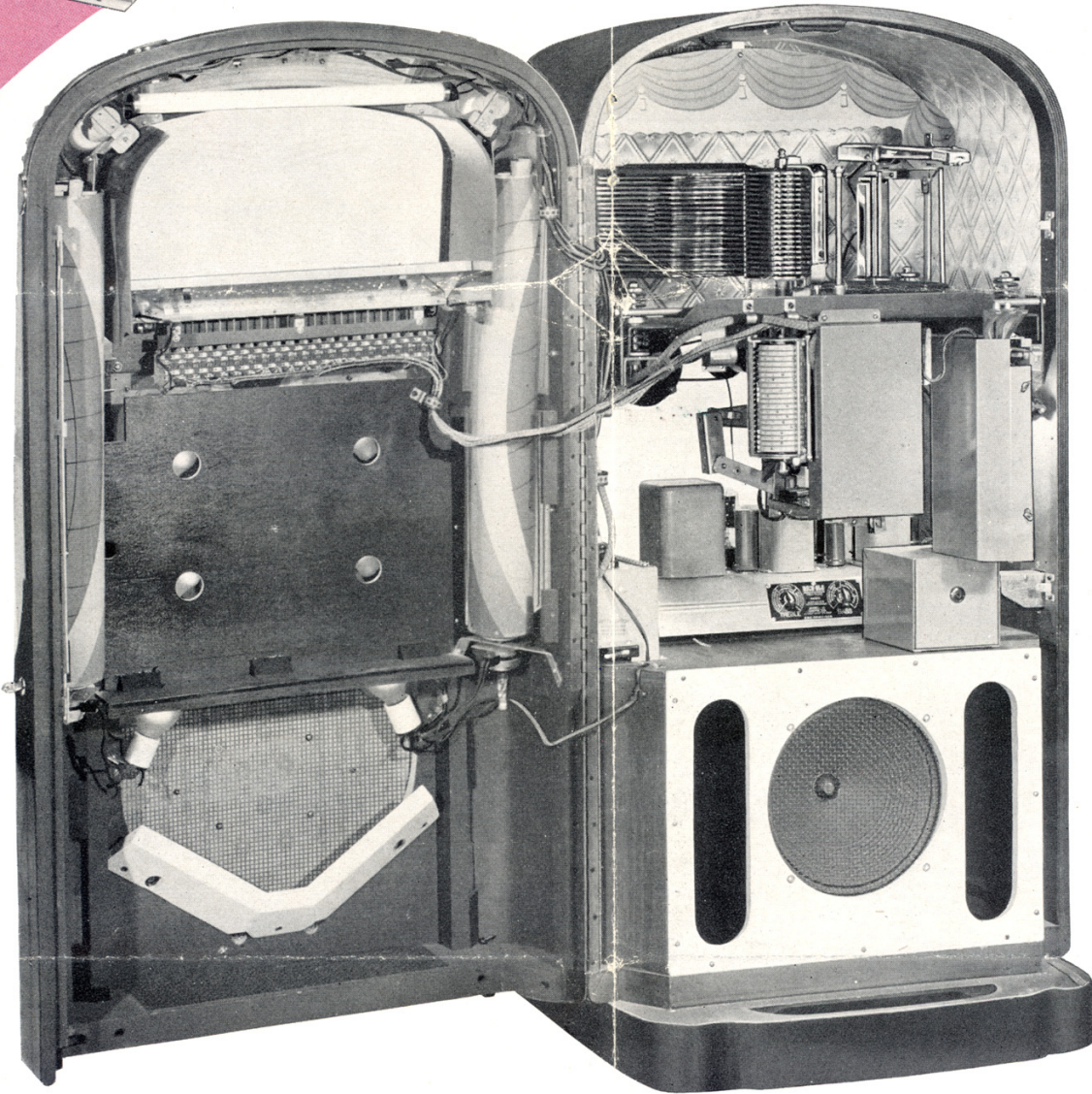
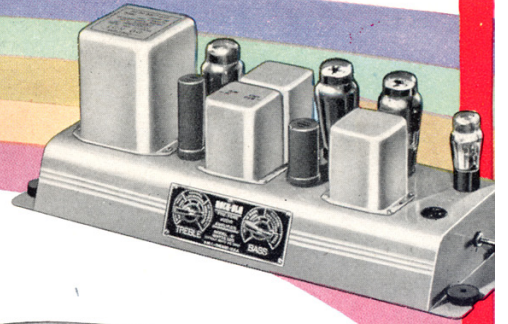
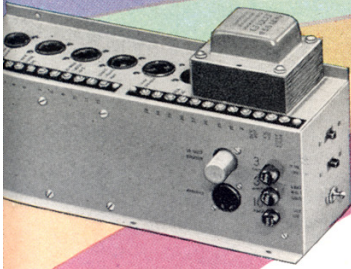
Simplifies record changing. Pull-out release bar
for instant record servicing.



ROCK-OLA MANUFACTURING CORPORATION reserves the right to make changes at any time, without notice, in prices, colors, material, equipment, specifications and models and also to discontinue models.

ELECTRICAL DISTRIBUTION PANEL

Entire electrical system in one composite unit—
automatic starters for fluorescent lights—plug-
in connections—control switches—fuses—
terminal strip for remote control boxes.

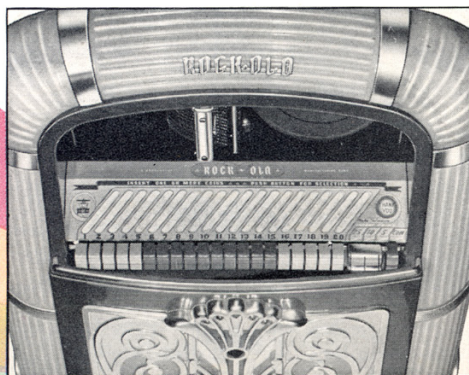


COMPOSITE FRONT

Complete lightup assembly built into front door. When open, offers full accessibility to all units.

LINE-O-SELECTOR

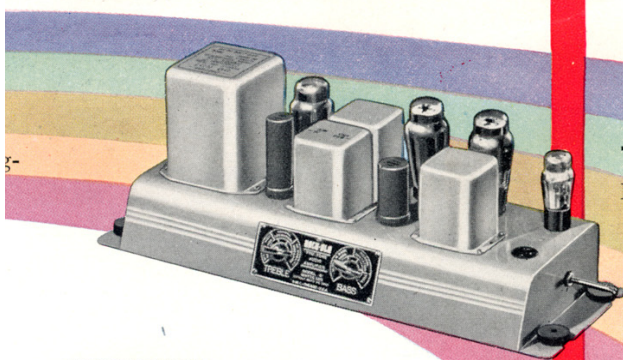
Unique alignment of program and corresponding selection buttons assures quick, positive choice of play. Center 10 keys of special color for Hit Parade numbers. Single program plate removable for easy title-strip change.



S
5¢

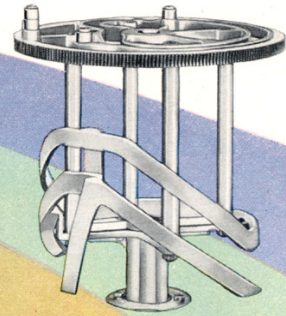
se bar

ght
p-



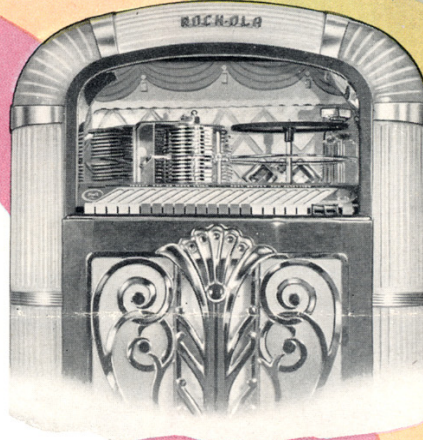
TRUE-TONE AMPLIFIER

Rubber cushion mounting—plug-in filter condensers—matched tubes—continuously variable tone controls—new and excellent features insure rich and true full range fidelity.



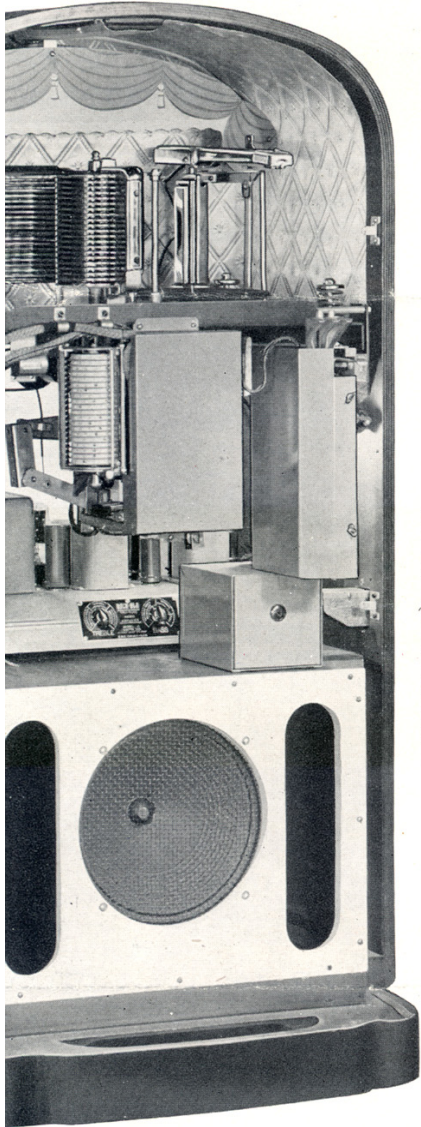
ONE POSITIVE CAM MOVEMENT

12 years of proven success in the field—service-free changer mechanism controlled by single cam assembly worm driven by V belt from motor. Simple—nothing to require service.



COMPLETE VISIBILITY

Chrome plated, 20 record mechanism—beautiful, new interior appointments—coin chutes, program, "Thank you" register and cancel button in view.



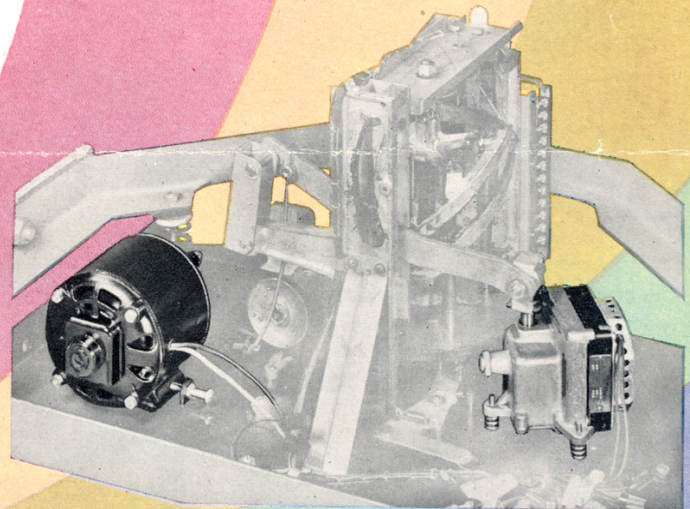
POSITIVE FRONT

Lightup assembly built into front door. When open, provides full accessibility to all units.

ECTOR

ent of program and corresponding selection quick, positive choice of play. Center 10 keys for Hit Parade numbers. Single program plate easy title-strip change.

Features

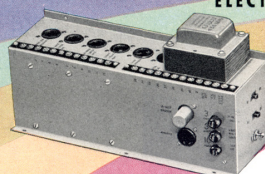


DUAL MOTORS FOR EFFICIENCY

Control motor specially designed for changing records only equipped with thermal cutoff. Constant speed turntable motor specially designed by experienced Rock-Ola engineers. No adjustments. Dual motors eliminate necessity for clutch and other extraneous parts. A plus value that means less wear and greater service.

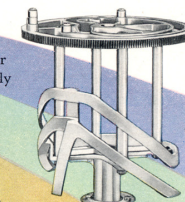
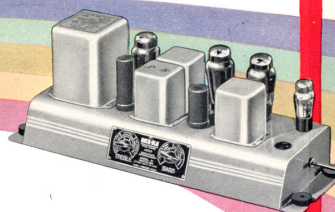
ELECTRICAL DISTRIBUTION PANEL

Entire electrical system in one composite unit—automatic starters for fluorescent lights—plug-in connections—control switches—fuses—terminal strip for remote control boxes.



TRUE-TONE AMPLIFIER

Rubber cushion mounting—plug-in filter condensers—matched tubes—continuously variable tone controls—new and excellent features insure rich and true full range fidelity.

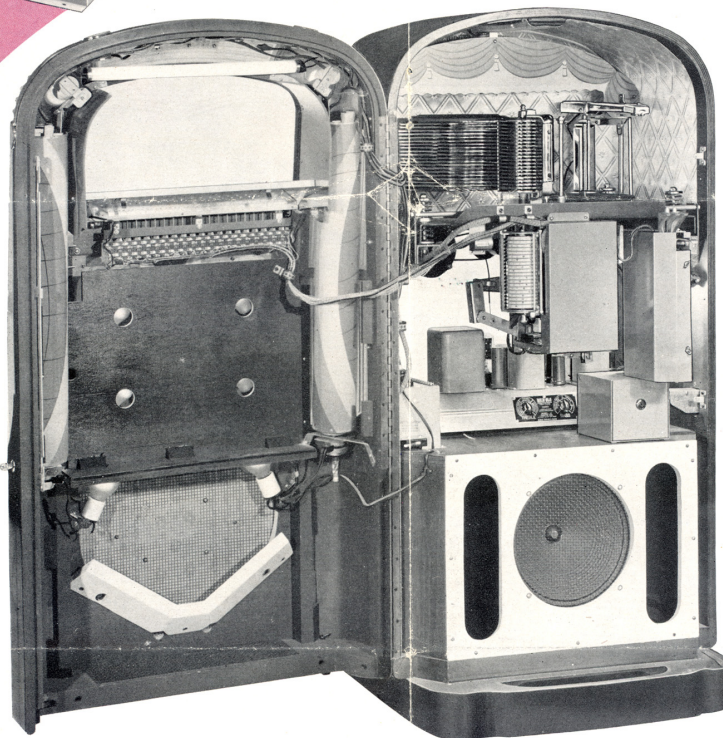
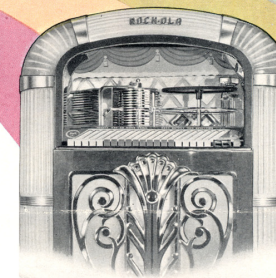


ONE POSITIVE CAM MOVEMENT

12 years of proven success in the field—service-free—changer mechanism controlled by single cam assembly worm driven by V belt from motor. Simple—nothing to require service.

COMPLETE VISIBILITY

Chrome plated, 20 record mechanism—beautiful, new interior appointments—coin chutes, program, "Thank you" register and cancel button in view.

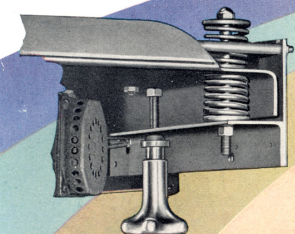


COMPOSITE FRONT

Complete lightup assembly built into front door. When open, offers full accessibility to all units.

LINE-O-SELECTOR

Unique alignment of program and corresponding selection buttons assures quick, positive choice of play. Center 10 keys of special color for Hit Parade numbers. Single program plate removable for easy title-strip change.

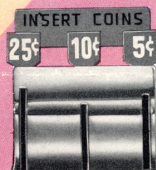


MECHANISM CHASSIS ANCHORS

Hand knobs anchor the floating chassis during shipment. Permanently attached for convenience.

SEPARATE 5c, 10c, 25c, COIN CHUTES

Drop style single unit slug rejecter. New and improved service mounting bracket.



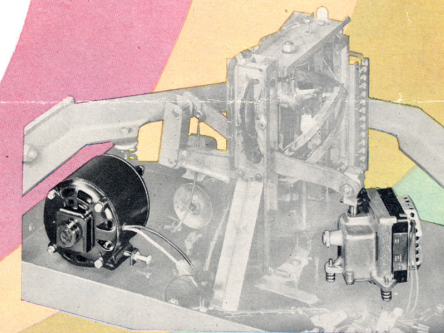
ROCK-OLA

Features



RECORD TRAY RELEASE

Simplifies record changing. Pull-out release bar for instant record servicing.



DUAL MOTORS FOR EFFICIENCY

Control motor specially designed for changing records only equipped with thermal cutoff. Constant speed turntable motor specially designed by experienced Rock-Ola engineers. No adjustments. Dual motors eliminate necessity for clutch and other extraneous parts. A plus value that means less wear and greater service.

ROCK-OLA MANUFACTURING CORPORATION reserves the right to make changes at any time, without notice, in prices, colors, material, equipment, specifications and models and also to discontinue models.



The Finest Phonograph Produced in the Finest Factory in the Industry

ENGINEERING: Hundreds of skilled workers are engaged in development work the year round. Each mechanical and electrical device is created, tested, and perfected with the help of the finest engineers and the latest in scientific equipment.

WOODWORKING: Rock-Ola's woodworking plant, one of the most complete in the United States. Entire cabinets are assembled and "finished" by highly skilled cabinet workers.

METALWORKING: One of the most modern metal working shops in the country. Modern machinery and highly skilled workers mean precision work.

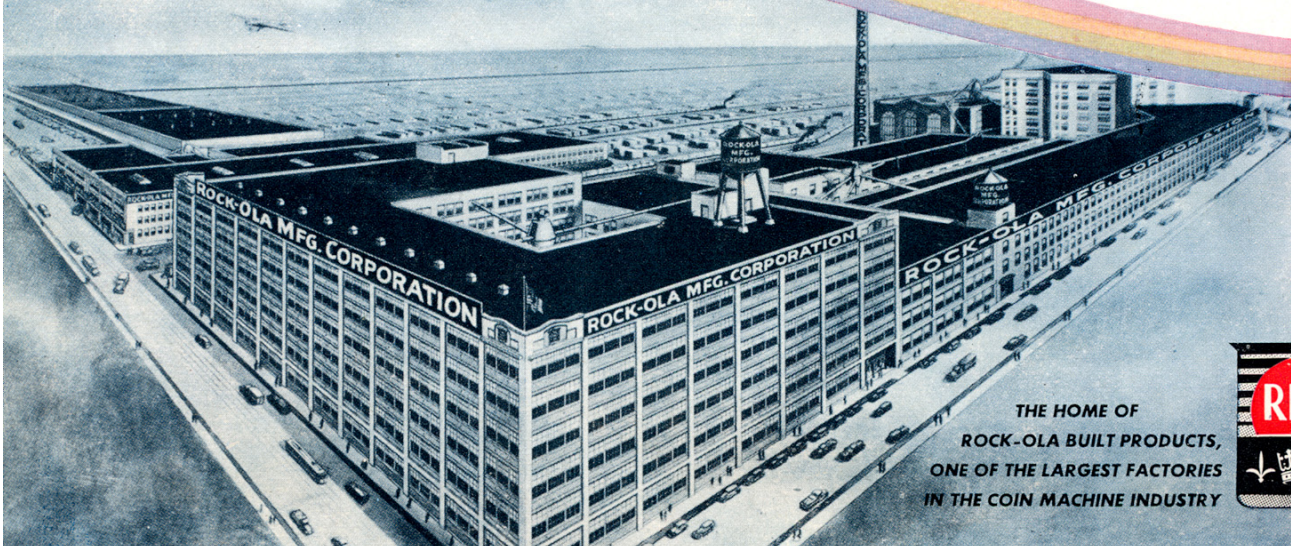
INSPECTION: Every phase of construction must be inspected and passed before materializing into a finished phonograph. This careful procedure gives Rock-Ola operators service-free equipment.

ROCK-OLA MANUFACTURING CORPORATION

800 NORTH KEDZIE
CHICAGO 51,
CABLE ADD

ROCK-OLA

THE PHONOGRAPH
THAT *Sells*
MUSIC



THE HOME OF
ROCK-OLA BUILT PRODUCTS,
ONE OF THE LARGEST FACTORIES
IN THE COIN MACHINE INDUSTRY



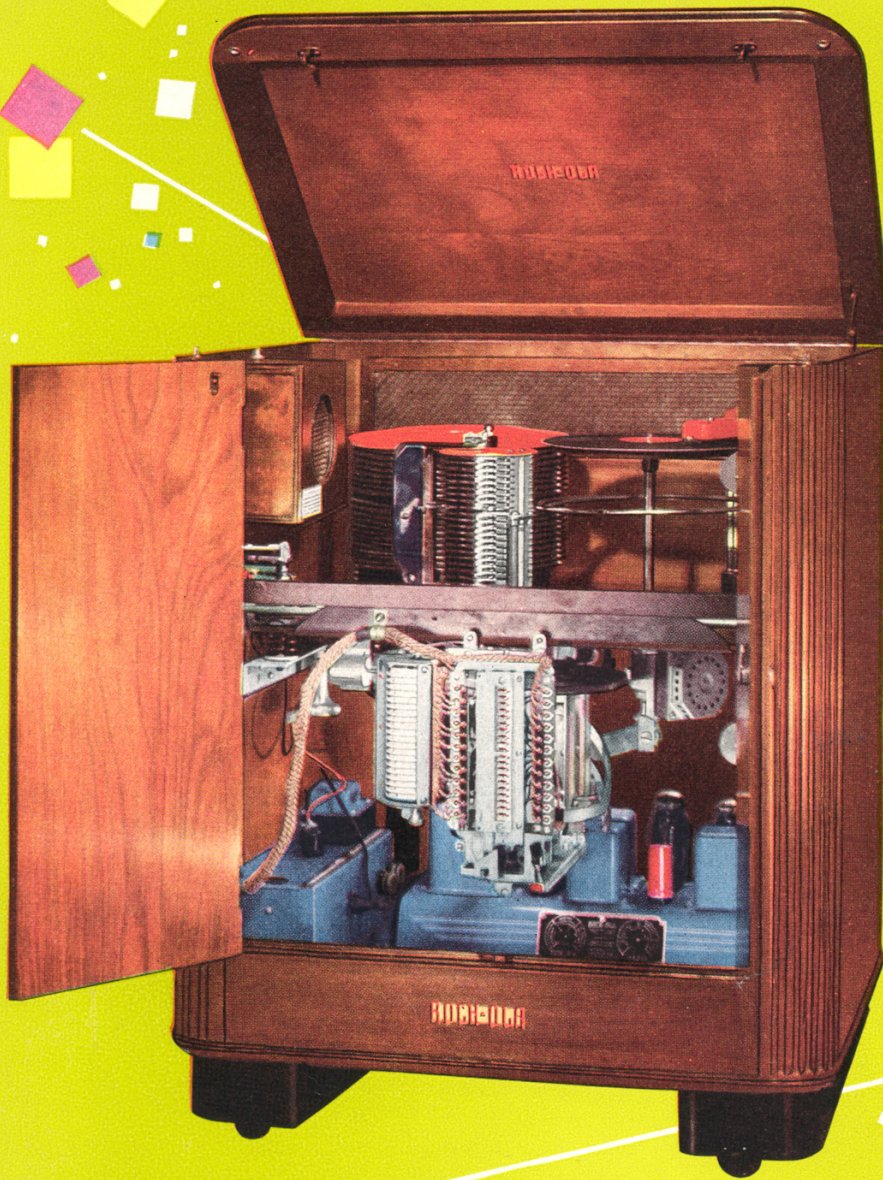


ROCK-OLA





Model 1428



Rock-Ola's Universal Music System — a complete accessory line — opens thousands of new and profitable locations to music operators everywhere.

Locations lacking the space to accommodate a regular phonograph, become virtual "gold-mines" when equipped with the Playmaster, Remote Control Wall and Bar Boxes and auxiliary speakers.

MODEL
1424

FOR
EXTRA
PROFITS

ROCK-
UNIVERSA

Playmaster

Beautiful wood cabinet, complete phonograph mechanism. Compact electrical distribution panel, terminal strip for direct wire remote control installation, automatic monitor speaker, service lights. Can be placed in corner, side room, main room, storeroom, basement, under counter, or other out-of-the-way place. Height 37" — Width 29 $\frac{3}{4}$ " — Depth 22 $\frac{1}{2}$ ".

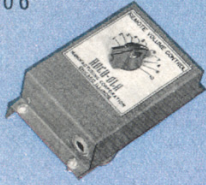
Tone-O-Lier Speaker

Chandelier type — adjustable tubing for ceiling height. 8" P. M. speaker. Width 23" — Height 15 $\frac{1}{2}$ ".

MODEL 1608



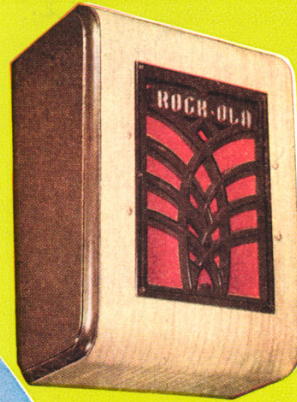
MODEL
1906



*Remote
Volume Control*

For location owners' exclusive use. Simple hook-up. Height 1 1/4" — Length 5" — Width 3".

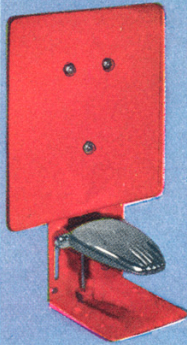
MODEL
1606



*Tonette
Speaker*

Beautiful matched wood construction. 8" P. M. speaker, volume control optional. Height 14" — Width 10 1/2" — Depth 6 1/4".

MODEL 1531



*DeLuxe
Bar Bracket*

All steel construction. Patented mounting plate. Chrome plated, ornamental bar claw. Height 12 1/8" — Width 4 1/4" — Depth (Base) 5" — Claw Width 4" — Length 5 1/4".

*Music
SYSTEM*

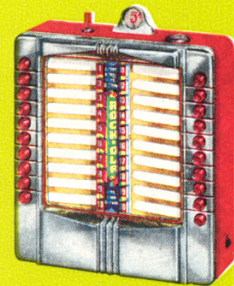
MODEL 1807



Moderne Speaker

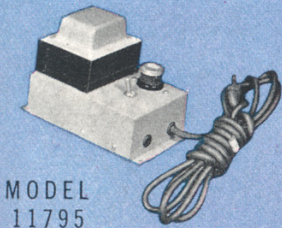
Built specially for corner use. Deluxe tone column type speaker with beautiful light-up effect. 8" P. M. speaker. Height 57 1/2" — Width 18 3/4" — Depth 17".

MODEL
1530



Wall Box

All metal case. Direct wire connections. Brilliant program lighting. Shock-proof, positive action coin switch. Height 10 1/2" — Width 9 1/2" — Depth 3".

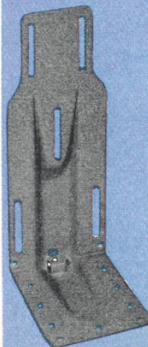


MODEL
11795

*Wall Box
Line Booster*

Small, compact, simple hook-up. Steps up 6-Volt lighting circuit where more than 3 Wall Boxes are required.

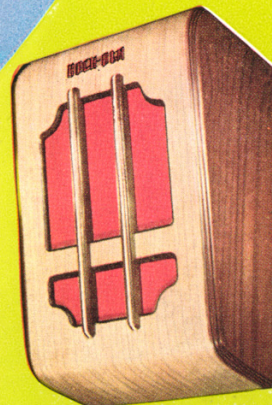
Universal Bar Bracket



Single piece, steel construction. Adaptable for most types of Remote Boxes. Height 12 1/8" — Width 4 1/4" — Length (Base) 5".

MODEL
1533

MODEL
1603



*"Auditorium Type"
Speaker*

Matched wood construction. 8" P. M. speaker. Length 22" — Width 14" — Depth 12 1/2".

ROCK-OLA

**AGAIN CREATES THE MOST
OUTSTANDING PHONOGRAPH OF
THE ENTIRE INDUSTRY**

FOR 1948 . . . ROCK-OLA presents its new
and dazzling "MAGIC-GLO" . . . the proud result of years of building
high quality Phonographs of proven dependability.
Year after year ROCK-OLA has led the field making constant improvements in its
famous coin-operated, multi-selective Phonograph, improvements based on the experience of
its thousands of satisfied customers located all over the world.
Now, in the new 1948 "MAGIC-GLO", Rock-Ola engineers have achieved their greatest
in Tone Reproduction, Mechanical Excellence and Animated Showmanship.
Yes sir — It's ALIVE! Breathes SHOWMANSHIP . . . A new kind of money-making,
1948 showmanship. The kind that makes 'em want to play more.
Makes 'em want to stay longer. Takes in more money.
See it! Hear it! Buy it! Expand! Replace! Get a reserved seat
at your Rock-Ola Distributor . . . for here
is all-around excellence and superiority, destined to
make "MAGIC-GLO" a world-wide sellout!



✓ NEW BLEACHED MAHOGANY CABINET FINISH — Of all-selected wood to produce the true mellow music only available with all wood cabinet construction.

✓ NEW ALL-STEEL FRONT DOOR — No sagging, no warping.

✓ NEW "SKID-TYPE" BASE—Each pair of casters sturdily set in a heavy single-piece block for added strength. Scuff-proof chrome base.

✓ COMPOSITE FRONT — Complete lightup assembly, slug rejector, drop-switch and debit-credit unit built into front door—when open offers full accessibility to all units.

✓ COMPLETE VISIBILITY—Chrome plated 20-Record mechanism, beautiful new interior appointments, coin slots, program, "Thank You" register and cancel button clearly visible and conveniently located.

✓ ALL STEEL — One-piece mechanism mounting plate.

✓ EIGHT-COIL SPRING MECHANISM SUSPENSION — Soundproofs and shockproofs entire mechanism.

✓ MECHANISM CHASSIS ANCHORS — Permanently attached hand-knobs to anchor the floating chassis—a convenience when shipping or moving the phonograph.

✓ SEPARATE 5¢, 10¢, 25¢ COIN CHUTES—Slug rejector and drop-style switch contained in a single, easily serviced unit. New improved mounting bracket.

✓ NEW TYPE—ANTI-CHEAT SELECTION SWITCH ASSEMBLY.

✓ MAGIC-GLO CYLINDER & SHADOW BOX — Easy accessibility for servicing.

✓ ALL-STEEL GRILL — Heavy-gauge steel, ornamental grillwork.

✓ INSTANT ACTION RECORD-TRAY RELEASE — Simplifies record changing—pull-out bar for instant tray release.

✓ DEBIT-CREDIT UNIT — New and improved unit in dustproof housing.

✓ NEW RECORD-TRIP SWITCH—Will trip on 1/2-ounce pick-up arm pressure.

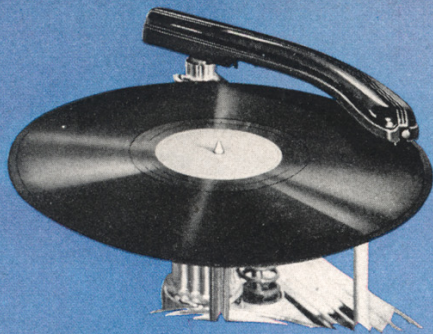
Only

ROCK-OLA

coin-operated phonographs
have all of these
desirable features

Rock-Ola is the feature leader of the industry. MORE new features — MORE improved features — MORE exclusive features — insuring music operators everywhere of greater profits and lower operating costs.

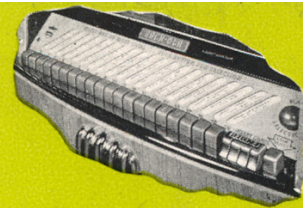
ALL THESE FEATURES AND MANY MORE



New Rock-Ola Tone-arm

Rock-Ola, leader in the development of light-weight tone-arms, introduces the finest anti-record-wear pick-up manufactured in the industry. Balanced tone-arm of light-weight plastic, less than one ounce record pressure. Special high temperature, moisture-proof crystal cartridge.

*Rock-Ola
Line-O-Selector*

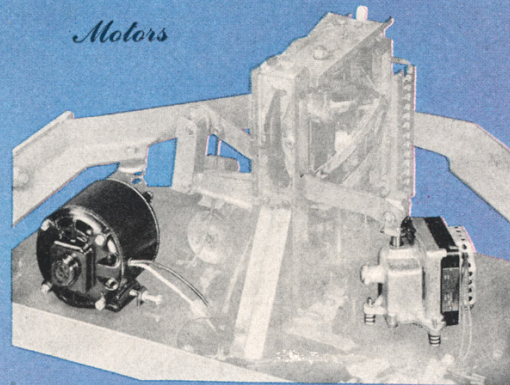


Simplifies selections. Title strips directly aligned with corresponding selector buttons. Center ten keys of special color for "Hit" tunes. Program plate quickly snaps out for easy title-strip change.

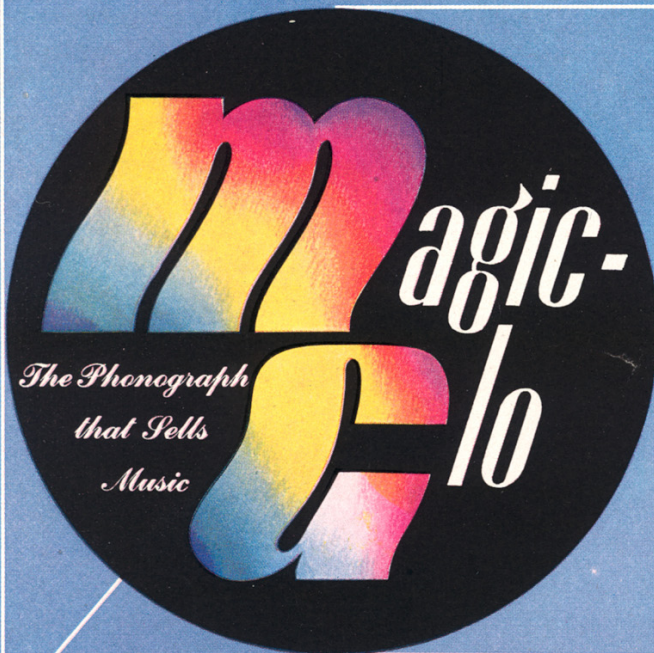
*Rock-Ola
True Tone Amplifier*

Matched tubes, rubber cushion mounting, single jack-plug for use with "local" or "remote" speakers, 500 ohm output for remote speakers. New and improved features insure rich and true full-range fidelity.

*Dual
Motors*



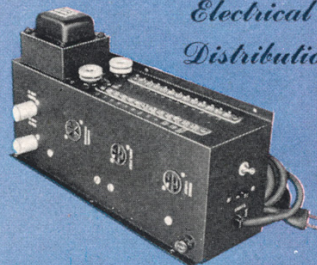
Clutches and other extraneous parts are eliminated with Rock-Ola's specially designed control motor and constant speed turntable motor. A plus value, less wear, greater service.



*Magic-Glo Panel
and Shadow Box*

New and original light-up effect—beautiful, moving—changing colors—silvery shadow box softens, then reflects these colors. Magic-Glo assembly is easily and quickly removable for servicing. Strong, shock-proof panel and grill.

*Electrical
Distribution Panel*



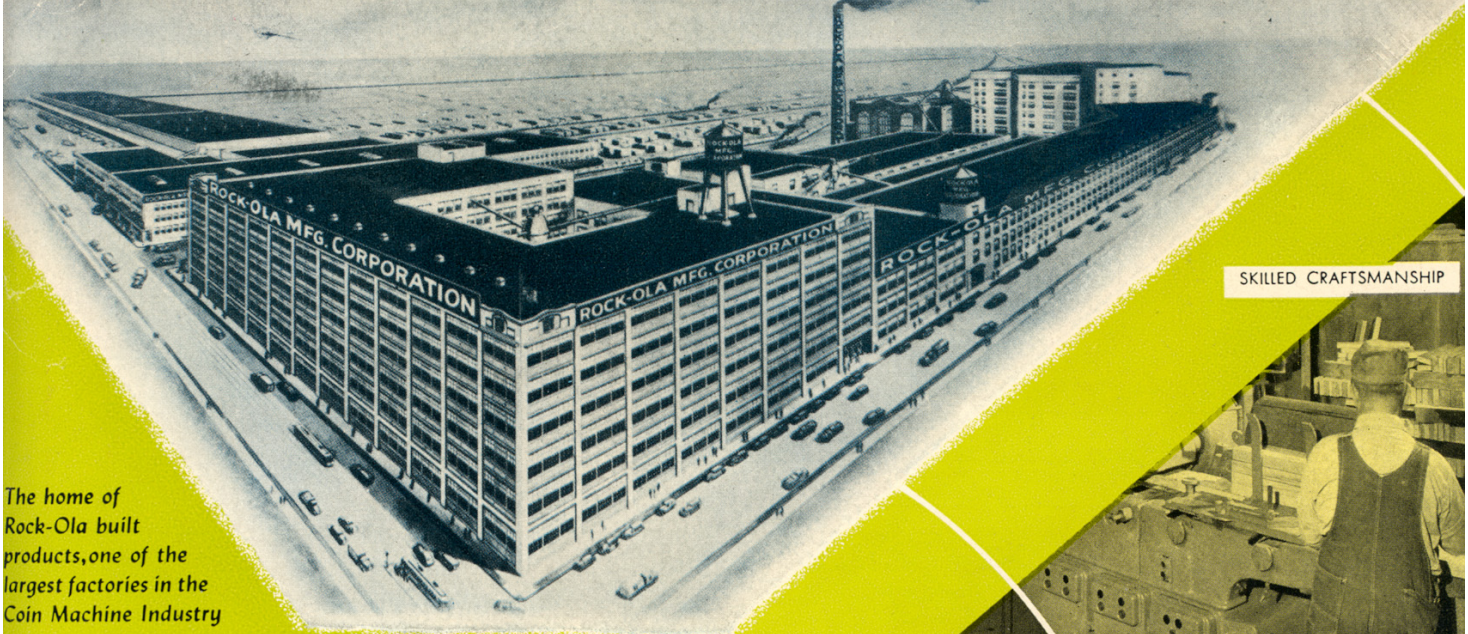
One composite unit for entire electrical system, plug-in connections, control switches, fuses, terminal strip for remote control boxes.

*One Positive
Cam Action*

Service-free changer mechanism controlled by single cam assembly worm-driven by V belt from motor. Nothing to require service.



ROCK-OLA MANUFACTURING CORPORATION reserves the right to make changes at any time, without notice, in prices, colors, material, equipment, specifications and models, and to discontinue models.

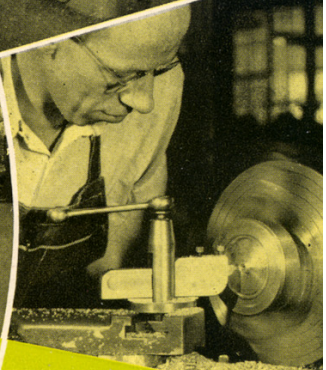


The home of Rock-Ola built products, one of the largest factories in the Coin Machine Industry

SKILLED CRAFTSMANSHIP



PRODUCTION LINE EFFICIENCY



EXPERT MACHINING

ROCK-OLA



ENGINEERING: In the Rock-Ola factory highly skilled workers are constantly engaged in research and development work. The finest engineers and the latest scientific apparatus are employed in creating, testing and perfecting each mechanical and electrical device used in Rock-Ola equipment.

METALWORKING: Precision work by thoroughly trained craftsmen in a modern metal working shop, is your assurance of a service-free phonograph.

WOODWORKING: Entire cabinets are assembled and "finished" by cabinet makers of life-long experience. Rock-Ola's woodworking plant is one of the most completely equipped in the United States.

INSPECTION: Each part used in Rock-Ola Music Equipment is doubly inspected before assembly. Every phase of construction is thoroughly inspected and passed before materializing into a finished phonograph.

ROCK-OLA MANUFACTURING CORPORATION
800 NORTH KEDZIE AVENUE, CHICAGO 51, ILLINOIS, U. S. A.

CABLE ADDRESS: ROCKOLA



ROCK-OLA

MODEL 1428

INSTALLATION MANUAL

800 N. KEDZIE AVE., CHICAGO 51, ILLINOIS

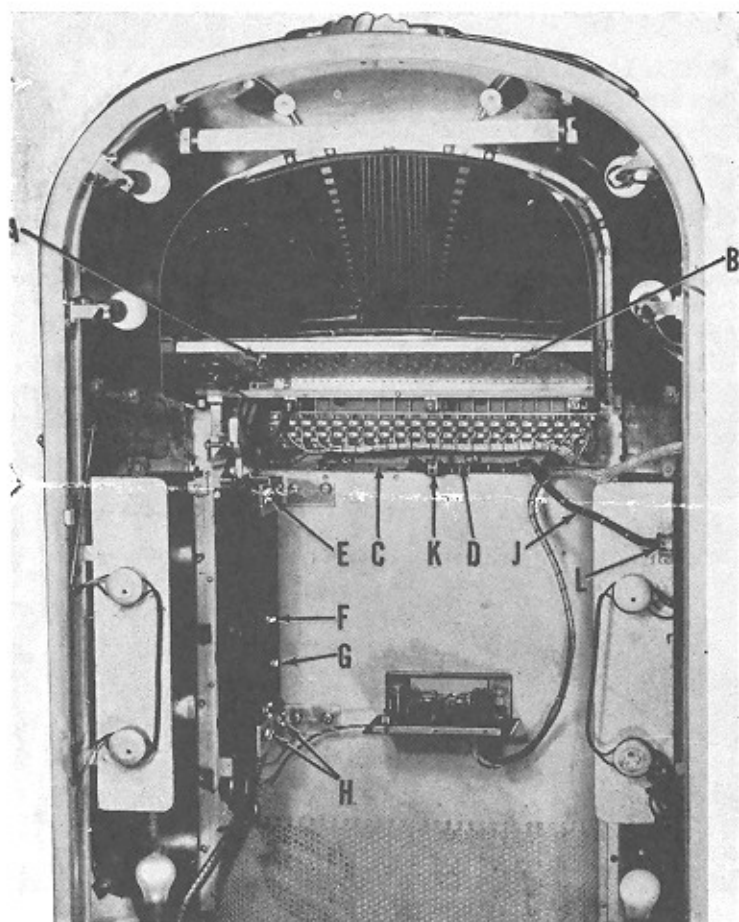


Fig. 1 - Inside Front Door

110 LINE CORD

Check location power supply before plugging in phonograph to make certain output matches with electrical requirements stamped on serial plate affixed to rear door of phonograph.

POWER AND LIGHT SWITCHES

1. Master line switch (*C-Fig. 3*).
To the left-ON.
To the right-OFF.
2. Cabinet light switch (*D-Fig. 3*).
To the left-On with selections only.
To the right-On all the time.

TUBES, CONDENSERS, AND PLUGS

1. Make sure that tubes and plug-in condensers in amplifier are tight in sockets (*H-Fig. 2*).
2. Check plugs on electrical distribution panel (*J-Fig. 2*) to make certain all are tight in sockets.
3. At no time should tubes or condensers be removed from the amplifier while the phonograph is on.

STONE AND VOLUME CONTROLS

1. Treble and bass controls easily adjust amplifier tone for individual locations (*G-Fig. 2*).
2. Volume adjusted by inserting volume control key in slotted shaft in metal rimmed depression on right outside of cabinet.

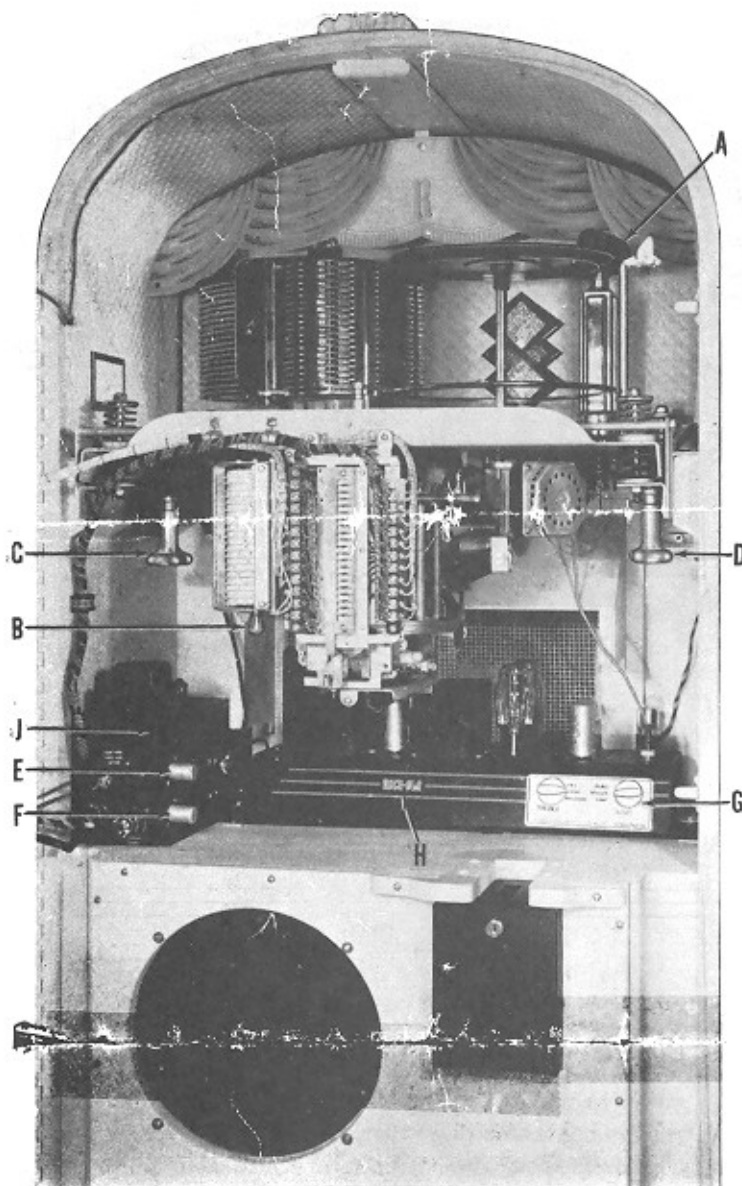


Fig. 2 – Interior Front View

ELECTRICAL DISTRIBUTION PANEL

Electrical distribution panel distributes power to all parts of the phonograph. Complete instructions are inscribed on the unit. The terminal strips are for hookup of wall and bar boxes. (Instructions for hook-up of Rock-Ola five wire remote control to this unit drawing No. 11465 furnished upon request).

15 watt fluorescent starter (E-Fig. 2) for inside front door fluorescent light.

20 watt fluorescent starter (F-Fig. 2) for Magic-Glo fluorescent light.

3 amp. fustat (A-Fig. 3) for 24 volt system, coin mechanism, remote control.

5 amp. fustat (B-Fig. 3) for lights.

10 amp. fuse (E-Fig. 3) for 110 volt master line.

3 amp. fuse (110 volt) (F-Fig. 3) for amplifier.

INSTALLING TITLE STRIPS

1. Program panel snaps out by unlocking two spring clips (A and B-Fig. 1).
2. Title strips are inserted by slipping into guides on program panel.

INSTALLING NEEDLE

1. Loosen thumb screw on tone arm (A-Fig. 2).
2. Insert needle in as far as possible with flat side of shank to the front.
3. Tighten screw.

RESETTING RECORD PLAY COUNTER

1. Push in bar (B-Fig. 2).
2. Twist knob to right.
3. Release bar.

MECHANISM ANCHOR LOCKS

Unscrew large wing nuts (C and D-Fig. 2) on each side until fully extended. If these nuts are not unscrewed before operating phonograph, an acoustic howl will result. (Always clamp mechanism when transporting phonograph).

MAGIC-GLO PANEL AND COLOR CYLINDER

1. To remove panel—loosen (do not remove) two screws located under twenty key switch bank between (C and D-Fig. 1) and remove third screw centered above.
2. Raise metal cap and Magic-Glo panel (A and F-Fig. 4) upward until screws in metal cap touch top of slots (D and E-Fig. 4).
3. Lift cap and panel away from door.
4. To remove color cylinder—unhook cord (J-Fig. 1) from clamps (K and L-Fig. 1).
5. Remove bracket screw from threaded hole (B-Fig. 4).
6. Grasp bracket and color cylinder lifting upward and outward so that upper edge of cylinder clears top of panel recess.
7. Hold bracket and slip cylinder off from lower end of assembly.
8. To install cylinder and panel—reverse above procedure.

INSTALLING RECORDS

1. Pull out tray release bar (A-Fig. 5).
2. Unhook tray unlocking dog (B-Fig. 5) to bring tray from stack.
3. Place records on support discs in tray (discs must be felt side up).
4. Return tray to stack, making sure dog locks are in place.
5. When record servicing is completed return release bar to closed position.

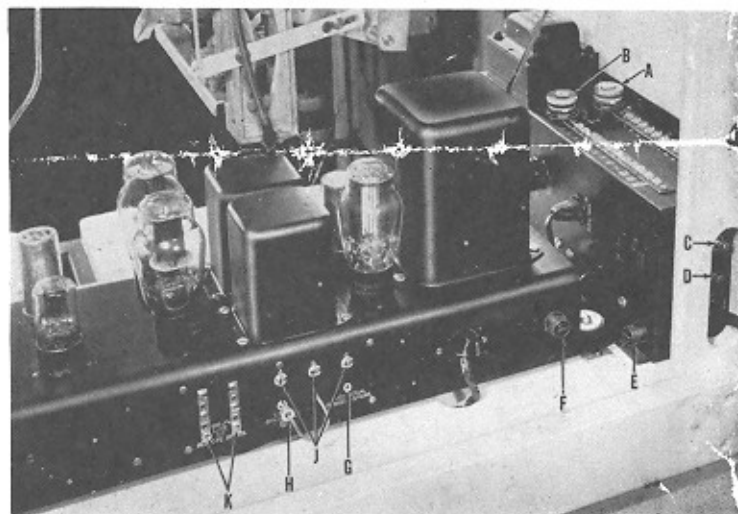


Fig. 3 – Inside Rear Door

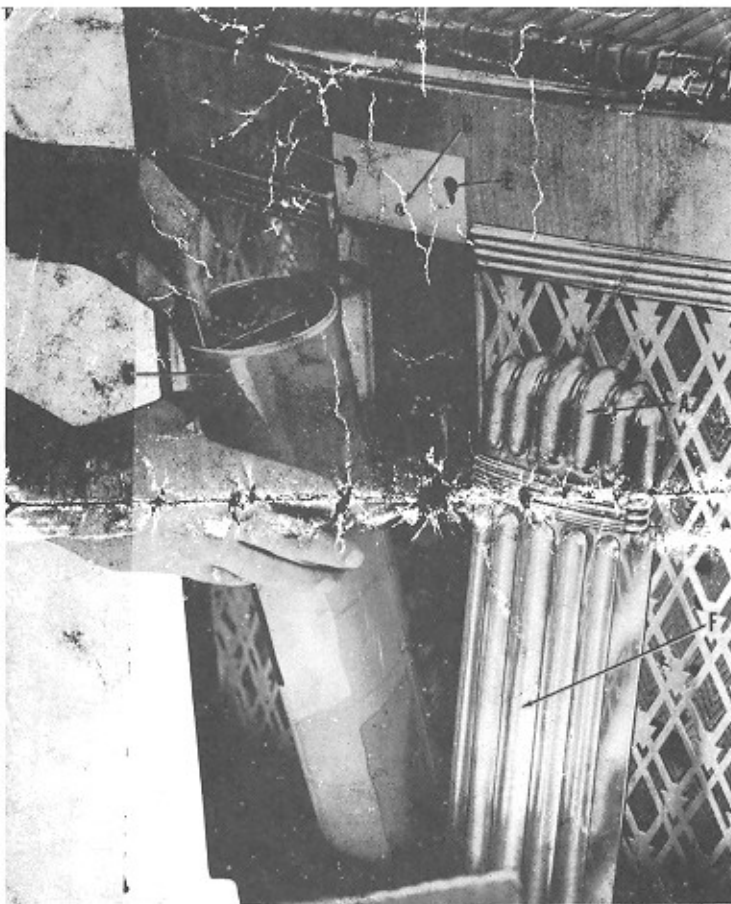


Fig. 4 – Magic-Glo Panel

SLUG REJECTOR

1. Make certain phonograph is level.
2. Check spirit level (C-Fig. 6). Adjustment made by loosening wing nuts (E and H-Fig. 1) and moving rejector unit back or forth until bubble in spirit level is centered between two marking points. Tighten nuts after adjustment is completed.
3. Slug rejector should be cleaned once a month. To clean—swing parts (A, B and C-Fig. 7) away from unit. Use small, soft bristle brush and carbon tetrachloride for cleaning. Never use cloth as lint may clog unit. Always protect slug rejector when cleaning or repairing as magnets will attract small filings, screws, nuts, etc. Never lubricate slug rejector.
4. To remove slug rejector—remove hexagon nuts (A and B-Fig. 6). Raise unit upward then slip forward, making certain that slot at lower right hand corner clears tongue of drop switch.

SAFETY SWITCH

1. Toggle switch, located on front left side of chassis is for service—stops mechanism at any point of operation.

DROP SWITCH

NOTE:

For six plays for 25¢, install assembly No. 13101 at (D-Fig. 6).

For 1 play for 10¢, three plays for 25¢, remove wires (E and F-Fig. 6). For modification of slug rejector (to reject five cent coins), drawing No. 12694 furnished upon request.

To remove:

1. Remove wing nut (G-Fig. 1) and thumb screw (F-Fig. 1).

2. Lower drop switch so that tongue clears slot of slug rejector and slip unit out.

POWER MOTOR BELT

1. Belt should not be tight—just enough to drive the mechanism.
2. To adjust, loosen two or four machine bolts (depending on model) that fasten motor to chassis.
3. If two machine bolts are used—adjust screw that turns against upper left part of motor casting until light tension is obtained.
4. If four machine bolts are used—move motor in elongated slots of motor housing until light tension is obtained.
5. Tighten bolts.
6. Use Rock-Ola V-type belt only (No. 10651).
7. Keep belt free from oil and grease.

INSTALLATION OF REMOTE SPEAKERS

Amplifier Model P is designed for the addition of one to four remote speakers. The system requires the use of a 500 ohm line to 8 ohm voice coil matching transformer for each remote speaker where the speakers are located a considerable distance from the phonograph and from each other. This installation is explained in detail under "Procedure 1". Whenever an installation has two remote speakers located within 20 feet of each other, both speakers may be connected in parallel to one common matching transformer. This is explained in detail under "Procedure 2". The matching transformer which must be located in the remote speaker housing, connects the 500 ohm line from the amplifier to the speaker.

1. Procedure 1. – This method should be used on all remote speaker installations where the speakers are located a considerable distance from the phonograph and more than 20 feet from each other. A matching transformer is required for each remote speaker that is used.
 - A. Run a two-wire line from the phonograph to all the remote speaker-transformer units. For convenience, several branch lines may be run from the phonograph to the individual speaker-transformer units, or a line may be run from the phonograph to the first remote unit, from there to the second remote unit, etc. The installation will suggest the most convenient arrangement.
 - B. Connect the two-wire line to the terminals labeled "500 ohm line to remote speakers" on the amplifier terminal board (K-Fig. 3).
 - C. Move the jack plug (H-Fig. 3) on the amplifier terminal board from the "Local Speaker Only" position to the "Additional Remote Speakers" position (G-Fig. 3).

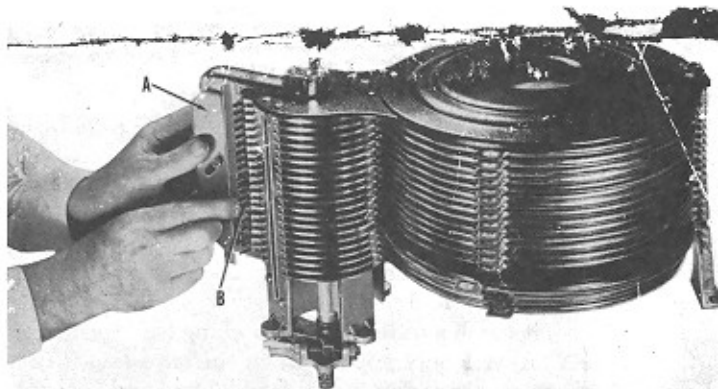


Fig. 5 – Tray Stack Assembly

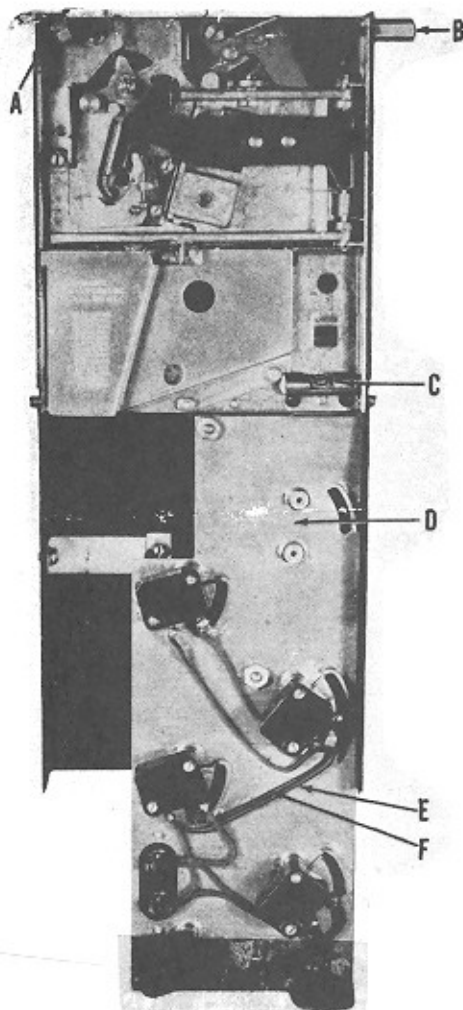


Fig. 6 - Slug Rejector Assembly

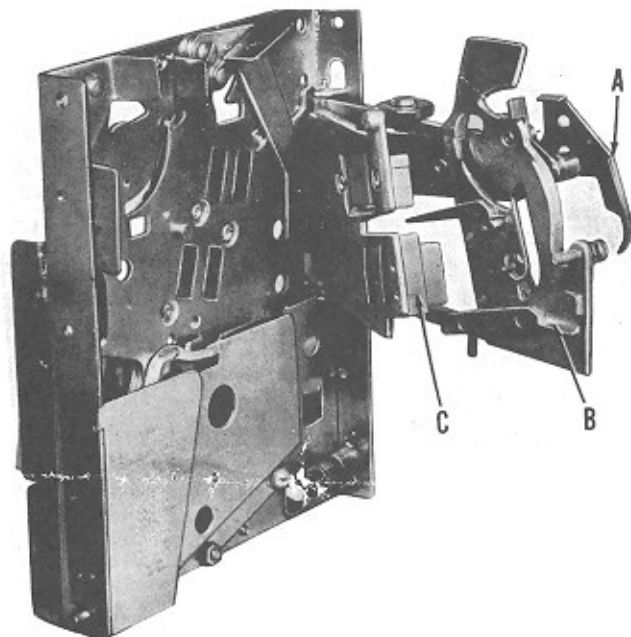


Fig. 7 - Slug Rejector

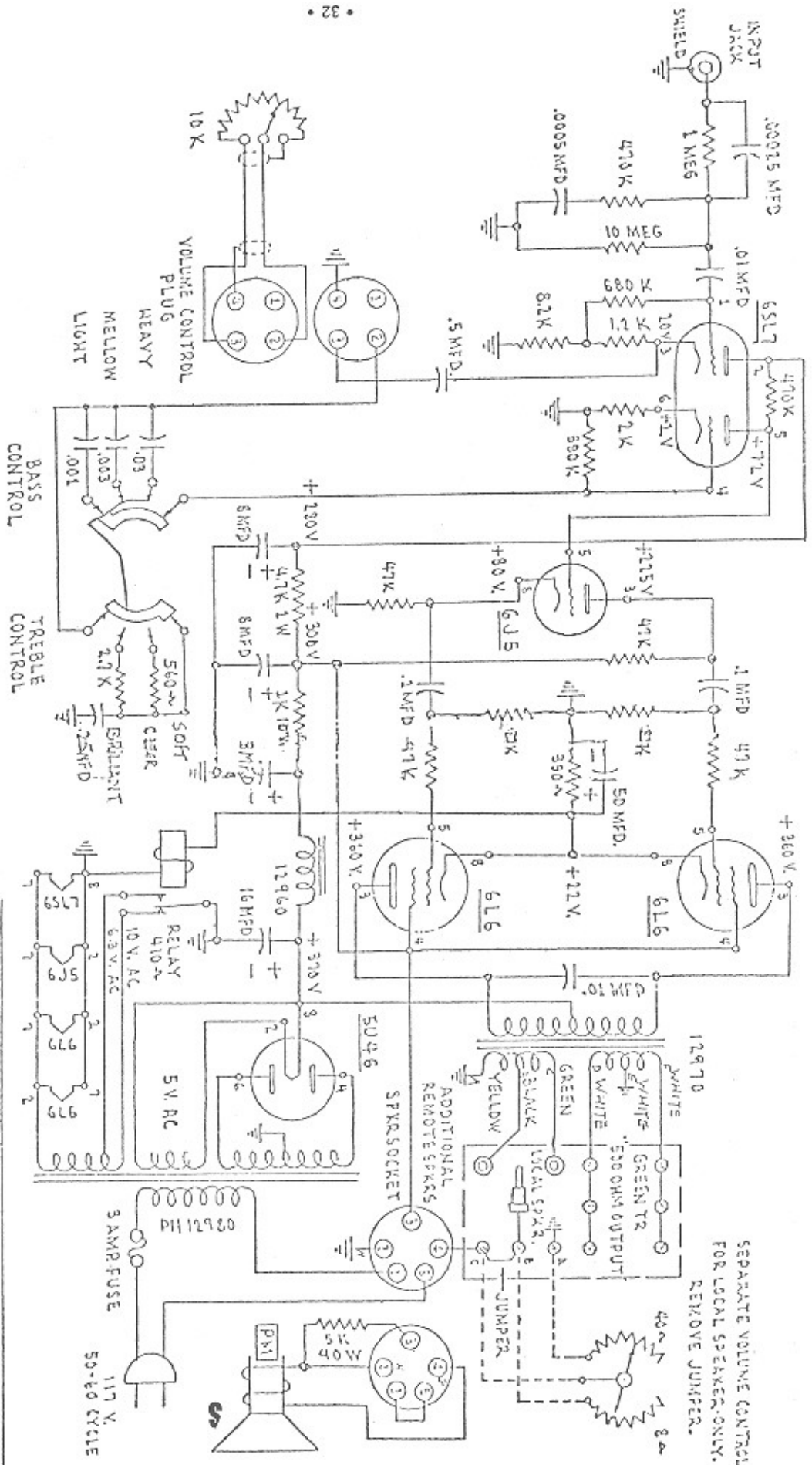
- D. Connect each of the two terminals labeled 500 on the matching transformers in the remote unit to each side of the two-wire line. Do this for all the remote speaker units to be installed.
- E. Connect the speaker voice coil leads to their respective transformers in the following manner:
- (1) IF ONE (1) REMOTE UNIT IS USED—Connect the speaker voice coil leads to the matching transformer taps labeled “Common” and “No. 1”.
 - (2) IF TWO (2) REMOTE UNITS ARE USED—Connect each set of speaker voice coil leads to taps labeled “Common” and “No. 2” on each of their respective matching transformers.
 - (3) IF THREE (3) REMOTE UNITS ARE USED—Connect each of the speaker voice coil leads to taps labeled “Common” and “No. 3” on each of their respective matching transformers.
 - (4) IF FOUR (4) REMOTE UNITS ARE USED—Connect each set of speaker voice coil leads to taps labeled “Common” and “No. 4” on each of their respective matching transformers.

2. Procedure 2.—Wherever an installation has two remote speakers located close to each other, both speakers may be connected in parallel to one matching transformer, HOWEVER, this only applies when the *wire length* between these speakers does not exceed 20 feet and the wire size used is no smaller than No. 18 (B & S Gauge). The procedure for installation is as follows:

- A. Run a two-wire line from the phonograph to all remote matching transformers.
- B. Connect the two-wire line to the terminal labeled “500 ohm line to remote speakers” on the amplifier terminal board (K-Fig. 3).
- C. Move the jack plug on the amplifier terminal board from the “Local Speaker Only” (H-Fig. 3) to the “Additional Remote Speakers” (G-Fig. 3) position.
- D. Connect each of the two terminals labeled 500 on the matching transformers in the remote units to each side of the two-wire line.
- E. Connect the speaker voice coil leads to their respective transformers in the following manner:
 - (1) IF TWO (2) REMOTE SPEAKERS ARE USED—Connect the speaker voice coil leads to the matching transformer taps labeled “Common” and “No. 2”.
 - (2) IF THREE (3) REMOTE SPEAKERS ARE USED—Connect the speaker voice coil leads to the matching transformer taps labeled “Common” and “No. 3”.
 - (3) IF FOUR (4) REMOTE SPEAKERS ARE USED—Connect the speaker voice coil leads to the matching transformer taps labeled “Common” and “No. 4”.

A good rule to remember is that the voice coils *always* connect to “Common” and the tap which has the same number as the *total number of remote speakers* used, regardless of the number of transformers employed.

3. “L” PAD FOR SEPARATE CONTROL OF LOCAL SPEAKER—The volume of the local speaker may be controlled without affecting the level of the remote speakers by means of the “L” pad (Purchase optional) which is attached by removing the jumper connection at (J-Fig. 3) and connecting to contact screws A, B, and C (J-Fig. 3) on the amplifier terminal board. The jumper must be replaced when the “L” pad is not used.



FINISH	MATERIAL	QTY.	NO. OF PARTS	INCH	NAME OF PART
					APPLICATOR SCHEMATIC
					MODEL (P)
Tolerance of 20% unless otherwise specified. All dimensions are in inches unless otherwise specified. All parts are to be standard unless otherwise specified. All parts are to be standard unless otherwise specified. All parts are to be standard unless otherwise specified.					
ROCK-OLA MFG. CORP. CHICAGO, ILLINOIS MODEL NUMBER 13306					

FRONT DOOR ASSEMBLY

No. 12067—
Front door glass

No. 11603A—
20 Key switch bank assembly

No. 11896—
Duplex A. C. outlet

No. 12027A—
Color cylinder assembly (R.H.)

No. 12045A—
Color cylinder assembly (R.H.)

No. 12044A—
Color cylinder assembly (L.H.)

No. 12028A—
Color cylinder assembly (L.H.)

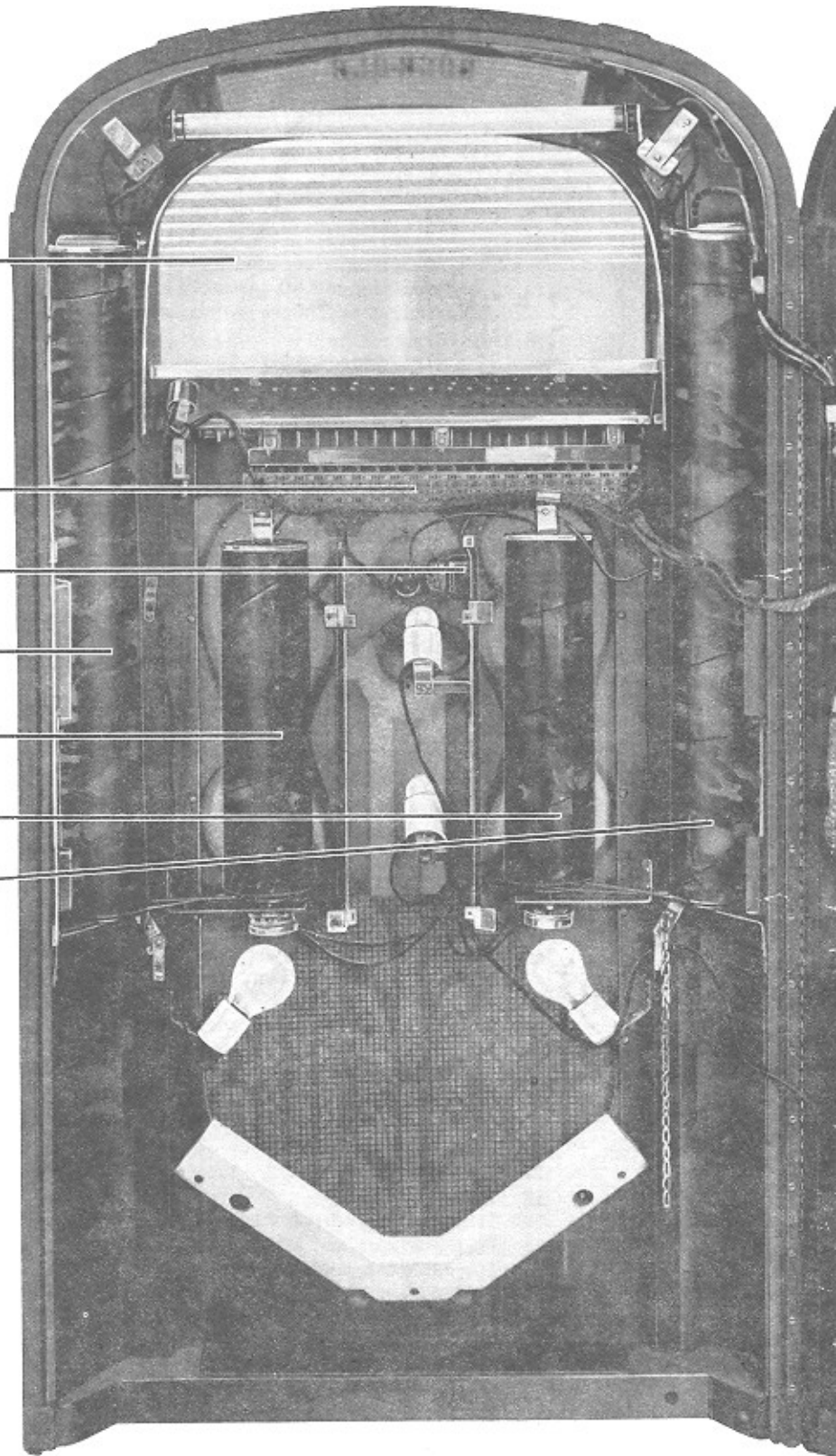


Fig. 1—Front Door Assembly

PHONOGRAPH (Interior View)

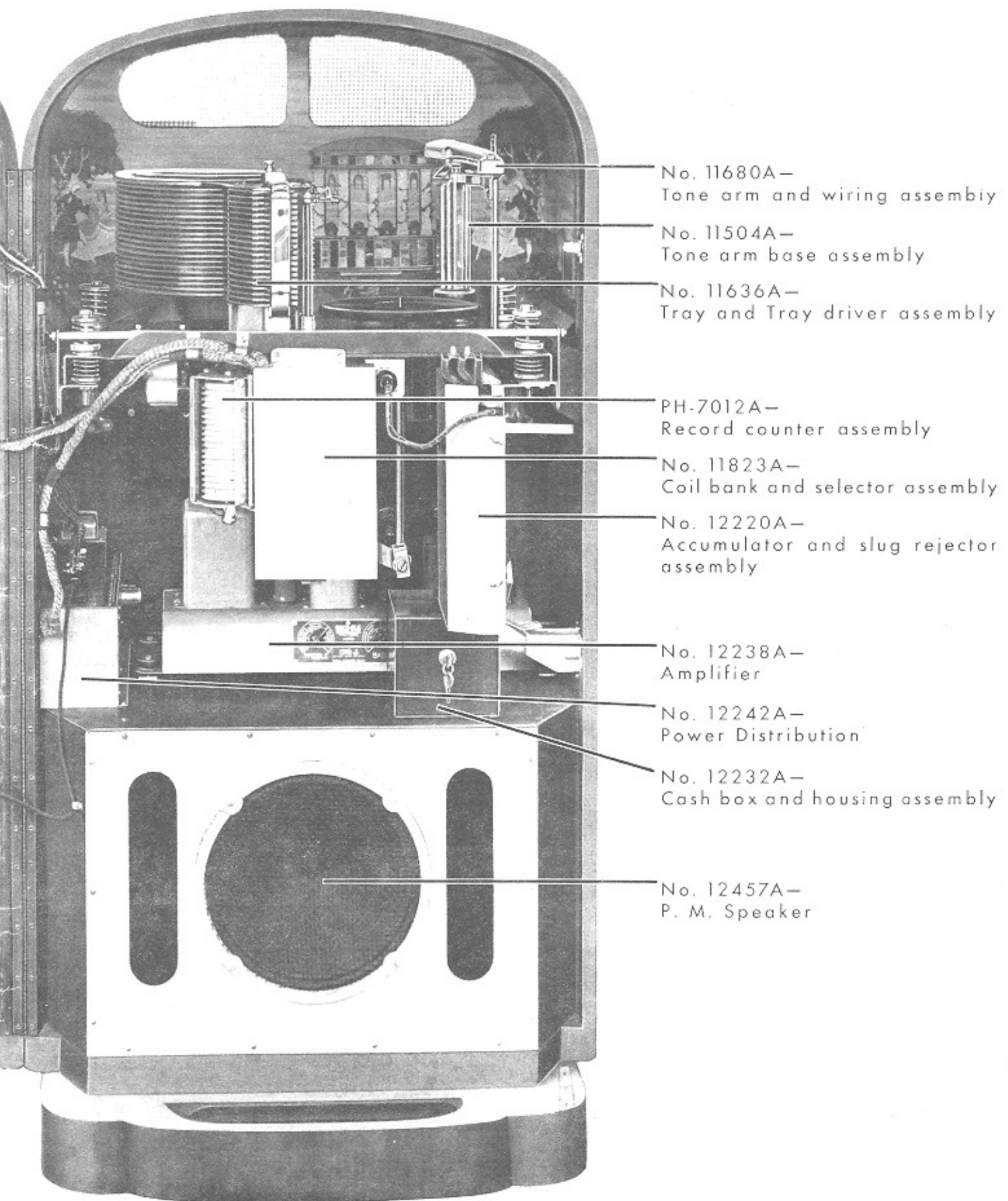


Fig. 2—Phonograph (Interior View)

LIGHTING ASSEMBLY

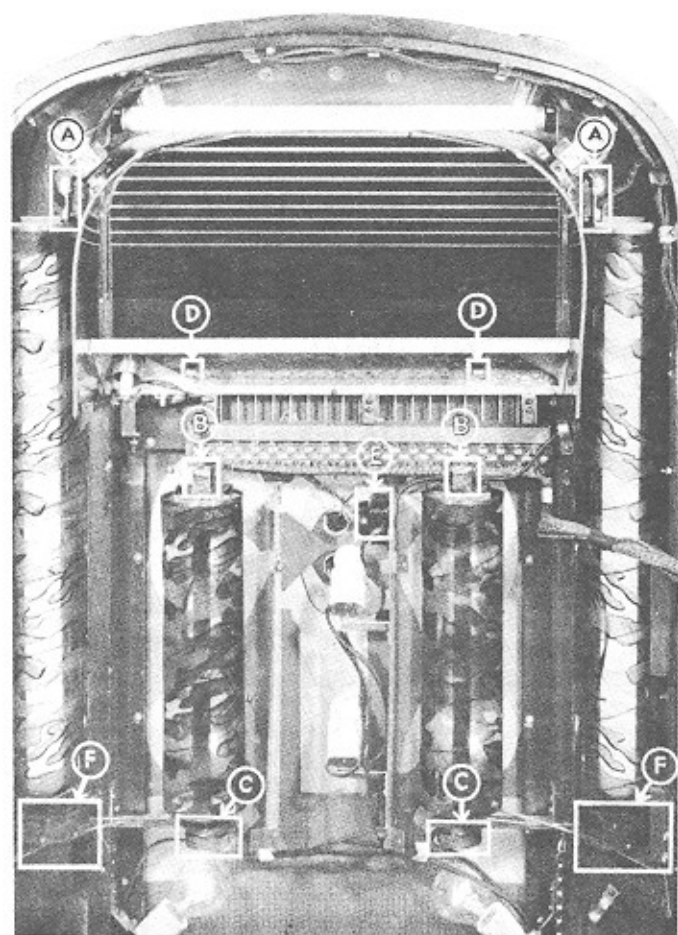


Fig. 3—Light Assembly Inside Front Door

INSTALLING EXTRA SPEAKERS

1. Connect extra 8 ohm p. m. speakers to terminal strip.
2. To connect "L" pad remove jumper connections. (*This jumper must be replaced when "L" pad is not in use.*)
3. Insert red plug in jack to number corresponding to total number of speakers used.

MECHANISM ANCHOR LOCKS

Unscrew large wing nuts on each side until fully extended. Then tighten slightly. If these nuts are not unscrewed before operating phonograph, an acoustic howl will result. (*Always clamp mechanism when transporting phonograph.*)

INSTALLING RECORDS

1. Pull out tray release bar (C Fig. 4).
2. Unhook tray unlocking dog (D Fig. 4) to bring tray from stack.
3. Place records on support discs in trays (*Discs must be felt side up.*)
4. Return tray to stack making sure dog locks are in place.
5. When record servicing is completed return release bar to closed position.

TRAY RELEASE

REPLACING FLUORESCENT LIGHTS

Drop drive belt over pivot head (F). Loosen thumb screw (A) Lift and move out slightly.
Lift entire assembly out. Let lamp hang from cord and slide cylinder from lamp, downward.
Lamp is removed by a quarter turn either way.
Replace lamp having prongs parallel to slot in sockets and tighten with quarter turn either way.
Try lamp using starter switch before replacing cylinder. In replacing cylinder make sure that two studs on pivot head are properly inserted in receptacles on bottom of color cylinder.
Replace belt on pulley. Replace cylinder and tighten thumb screw. Replace protector boards.

REPLACING INCANDESCENT LAMPS

Remove protector boards. Remove plugs (E). Remove thumb screws (B). Lift cylinder and light bracket out. Replace with 25 watt clear lamps.
In replacing cylinder make sure that two studs on motor are properly inserted in receptacles on color cylinder.
Replace belt on pulley. Replace cylinder and tighten thumb screw.

ELECTRICAL DISTRIBUTION PANEL

Panel distributes power to all parts of the phonograph. Complete instructions are inscribed on the unit. The terminal strips are for hook up of wall and bar boxes. (*Instructions for hook up of Rock-Ola five wire remote control to this unit drawing No. 11465 furnished upon request.*)

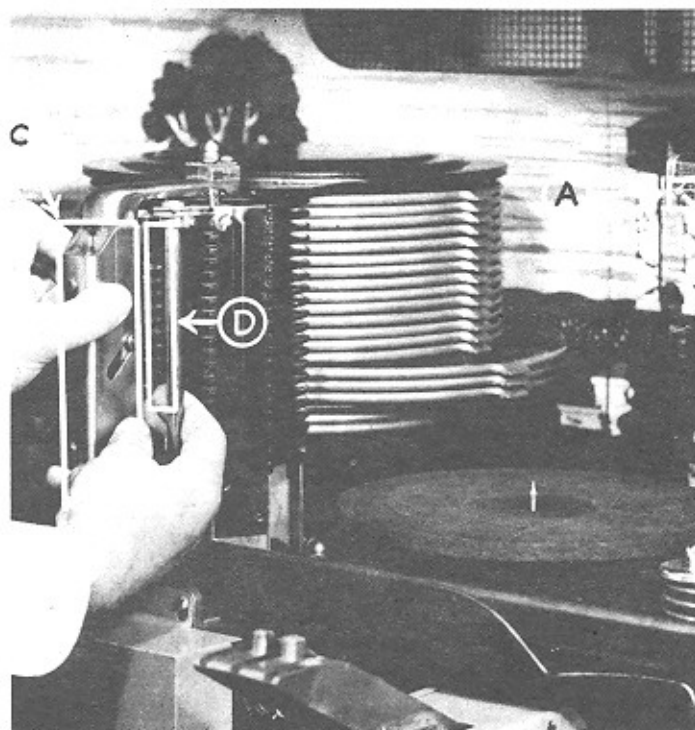


Fig. 4—Tray Release

ACCUMULATOR ASSEMBLY

CYCLE OF OPERATION

The phonograph is placed in operation by depositing a coin which travels through chutes to the slug rejector, which rejects faulty coins or slugs, and directs a good coin to the proper coin lever. The coin lever registers the proper credit on the master ratchet wheel. The coin then drops into the cash box.

The master ratchet moves one or more teeth, closing the master switch allowing the credit circuit to be completed back to the switch bank.

Then when a key is pressed, a debit is placed on the master ratchet through relay and at the same time, one of the selector coils in the selector bank will be energized, according to the key pressed.

When the selector coil is energized, the plunger of the coil is drawn back, releasing the selector key. As the selector key is released, the hook on one end of the key pulls in the selector gate. This gate has an extension on the bottom which operates the motor micro switch, turning on the mechanism motor. As the main cam starts revolving, the timing disc holds the motor micro switch in an "on" position, allowing the selector gate to be reset.

The main cam makes approximately one-half revolution, causing the selector slide unit to drop and pick out the selection that was made. The tray driver is then operated by the master cam and places the record tray over the turntable. The turntable then rises, bringing the record to a playing position under the tone arm. At this point the turntable motor is turned on (*by the action of the cam and lift assembly*) starting the turntable to revolve. The turntable and record in rising releases the tone arm from the tone arm latch.

As the record is completed, the tripping mechanism on the bottom of the tone arm shaft operates the micro switch beneath the tone arm. This switch turns on the power motor, causing the main cam to make approximately a half turn, bringing the cam to the home position. In so doing, the main cam lowers the turntable, shuts off turntable motor, operates the tray driver and returns the record played to the tray stack. At the same time, the selector slide unit is returned to its home or top position. This completes a cycle of the mechanism. The mechanism will stop unless more than one credit has been placed in the machine, in which case the mechanism continues to operate, playing the next lowest selection set up in the selector.

While the tone arm is carrying the pick up across the record, the vibrations in the record are converted from mechanical to electrical energy through the medium of a pick-up, which feeds this signal into the amplifier. The amplifier builds this feeble signal from the pick-up to the proper strength and quality to operate the loud speaker.

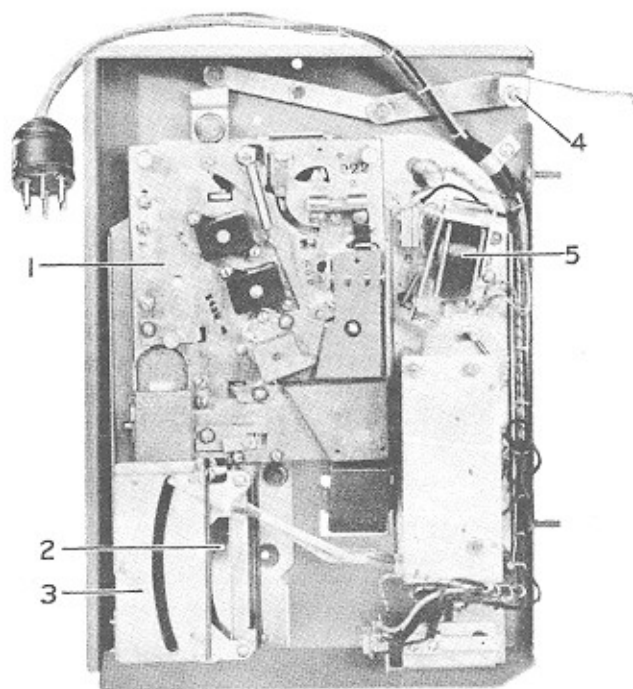


Fig. 5—No. 12220-A Accumulator Assembly

PART NO.	DESCRIPTION
1. No. 10757	National slug rejector.
2. No. 10826A	5 and 10c coin chute assembly.
3. No. 10827	25c coin chute assembly.
4. No. 12222A	Coin connecting link assembly.
5. No. 10764	Coil and armature assembly.

The accumulator assembly is the heart of your equipment—don't abuse it. Let's analyze this unit so we may understand it better. First, a coin is inserted in the chute and passes through the slug rejector which separates the coins and rejects bad coins, slugs, etc. This unit should not be tampered with unless a thorough knowledge of its operation is understood. The coin then drops onto its respective coin lever and rides it down to a point where the coin drops into the cash box.

The coin lever actuates the escapement lever which in turn releases the ratchet wheel, establishing a credit.

The five-cent ratchet disc is nearest the base plate, the ten-cent disc is in the center and the twenty-five-cent disc is in the front. The pin which is riveted to the five-cent ratchet disc extends thru the ten-cent and twenty-five-cent ratchet discs. When Master switch (Fig. 8) is making contact, "Thank You" light will go on, "breaking" switch on large plunger and "making" switch on small plunger in interlocking switch assembly located at bottom of coin mechanism.

All switches must have clean contact points and be in proper adjustment, so that they will "make" and "break" with the action of the plungers. As each play is selected on the keyboard, corresponding selector key will be released. The debit coil returns the ratchet one tooth as each selection is made. When the last credit is used and debit coil has returned ratchet, the Master switch is opened "breaking" switch to the "Thank You" light and reversing switches on Interlocking Switch Assembly, opening circuit to the keyboard. This action is instantaneous, but must be understood in order to properly locate any particular trouble which may arise.

ACCUMULATOR LEVER • DEBIT RELAY • MASTER SWITCH AND RATCHET

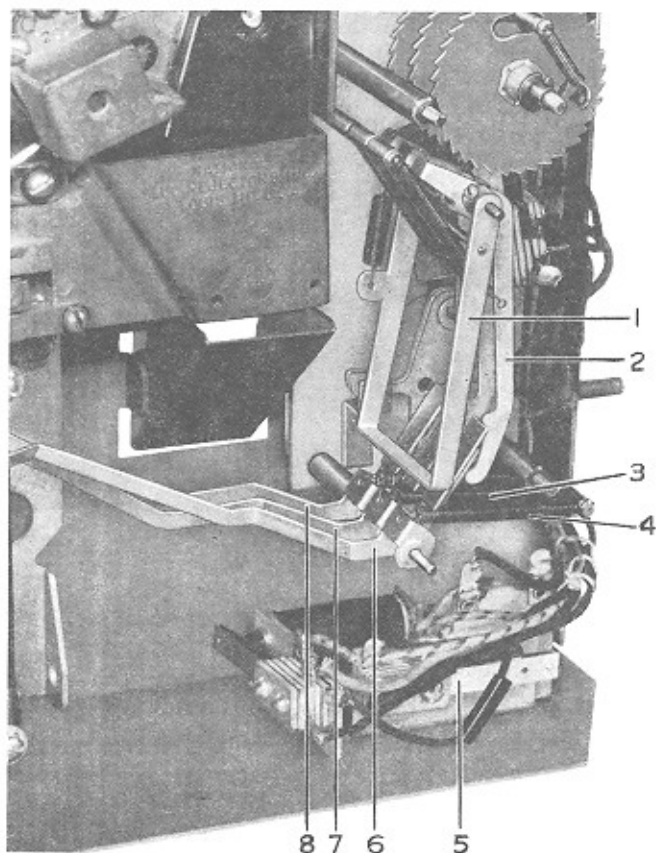


Fig. 6—Accumulator Lever

PART NO.	DESCRIPTION
1. No. 10644	Escapement lever.
2. No. 10645	Reset lever.
3. No. 10898	Coin lever spring (10c).
4. No. 10897	Coin lever spring (5 and 25c).
5. No. 12217A	Interlocking switch assembly.
6. No. 10676	Coin trip lever (25c).
7. No. 10675	Coin trip lever (10c).
8. No. 10674	Coin trip lever (5c).

When any difficulty arises which prevents completion of the aforementioned cycle, ascertain where it was blocked and check following: (1) Wires on the interlocking switch preventing the coin levers from completing their stroke. (2) Levers being fouled in the coin drop chutes. (3) Under size coins wedging in these chutes. (4) Escapement lever should slip off the ratchet disc when the coin lever is approximately $\frac{3}{4}$ " from the bottom of its stroke and slip back into tooth when coin lever is about two-thirds back to rest position. The important thing to keep in mind is that adjusting or bending of contacts may be the wrong step to take. Note if the contacts are "making" and "breaking". Contact points must be cleaned periodically with carbon tetrachloride as they do accumulate dirt and grease, which could prevent current from going through.

Bent coin levers may cause multiple plays. If there are multiple plays, there are several places to look. It may be necessary to replace a broken interlock plunger and adjust the contacts of interlock solenoid. It may be necessary to adjust debit relay so that it would cancel credits from the accumulator wheel. Check debit circuit.

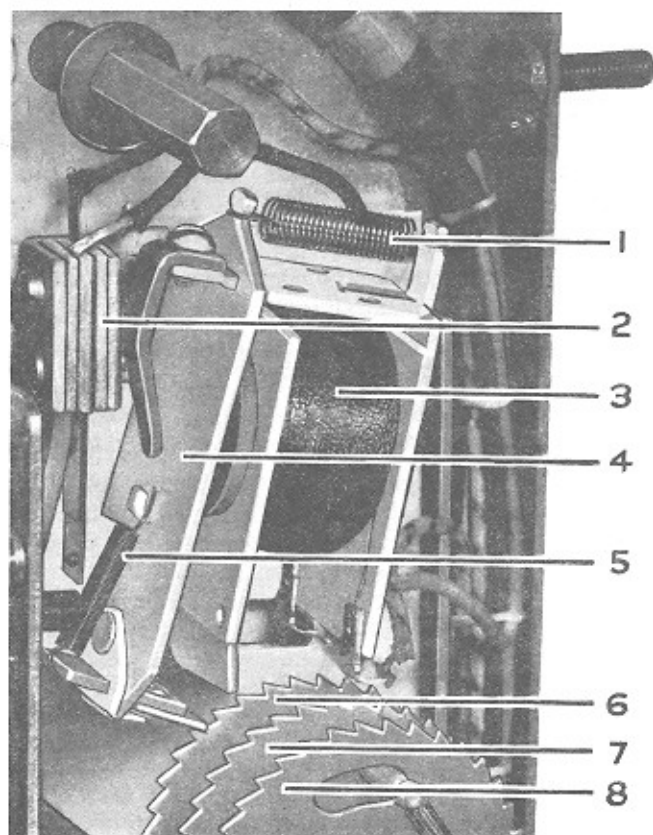


Fig. 7—Debit Relay

PART NO.	DESCRIPTION
1. No. 10487	Coil spring.
2. No. 10489	Blade switch.
3. No. 10760	Debit coil.
4. No. 10786	Armature and retainer.
5. No. 10901	Tension spring.
6. No. 10737A	5c Ratchet and hub assembly.
7. No. 10738A	10c Ratchet and hub assembly.
8. No. 10739A	25c Ratchet and hub assembly.

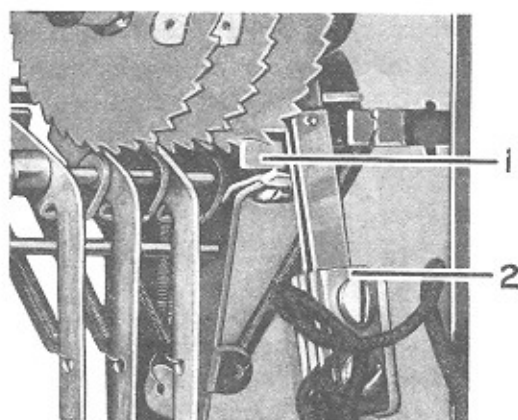


Fig. 8—Master Switch and Ratchet

PART NO.	DESCRIPTION
1. No. 10686	Escapement pawl.
2. No. 10733	Master switch.

The master switch No. 10733 must be definitely open when all credits are used, by means of pressure from the fibre stud located on the five-cent ratchet disc. When a credit is made, the five-cent ratchet disc moves up one notch removing pressure on the switch blade, closing the contacts. The machine is then ready for a selection.

INTERLOCKING SWITCH ASSEMBLY

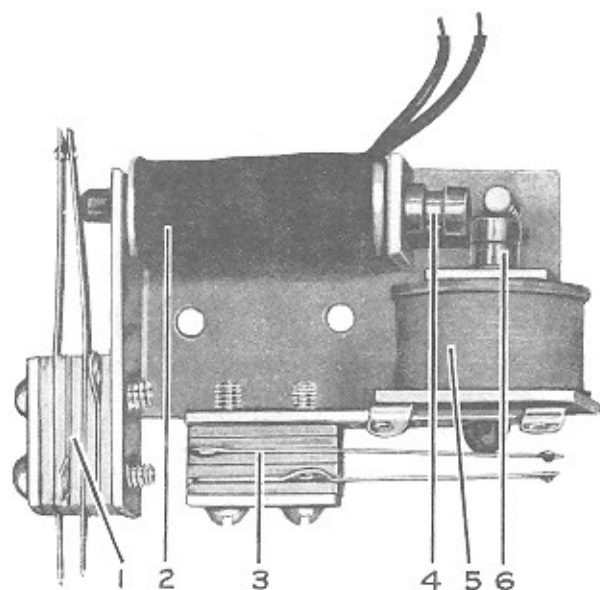


Fig. 9—No. 12217-A Interlocking Switch Assembly

PART NO.	DESCRIPTION
1. No. 11846	Blade switch.
2. No. PH-6804	Selector solenoid coil.
3. No. 10967	Blade switch.
4. No. 10964	Long coil plunger assembly.
5. No. 10593	Short coil.
6. No. 12459A	Short coil plunger assembly.

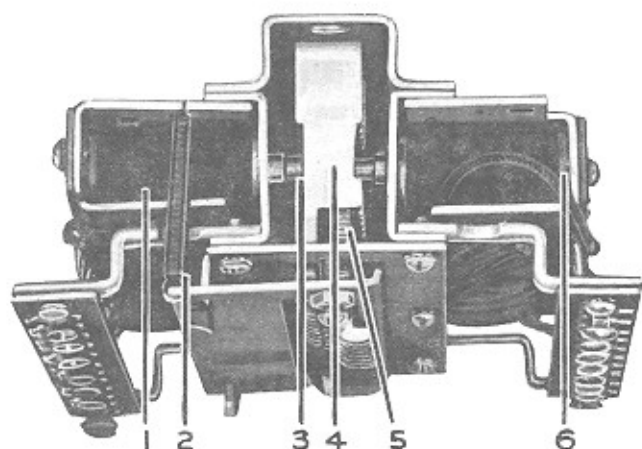


Fig. 10—Coil Bank Assembly (Top View)

PART NO.	DESCRIPTION	USED
1. No. PH-6804	Selector coil.....	20
2. No. PH-6805	Selector gate spring.....	2
3. No. PH-6811-1	Coil bank plunger.....	20
4. No. PH-6830-1	Selector key.....	20
5. No. PH-6806	Selector key spring.....	20
6. No. PH-6807	Plunger spring.....	20

The selector coil bank assembly consists of twenty PH-6804 solenoids which are wired to their respective switch buttons. Each solenoid contains a PH-6811-1 plunger and a PH-6807 plunger spring. Each plunger spring is compressed between the spring retainer strip and a plunger.

When the PH-6830-1 brass selector key is returned to normal position by the action of the cancel plate, the plunger slips into a notch on the selector key by pressure from the plunger spring, thereby locking the selector key.

COIL BANK (Front and Top View)

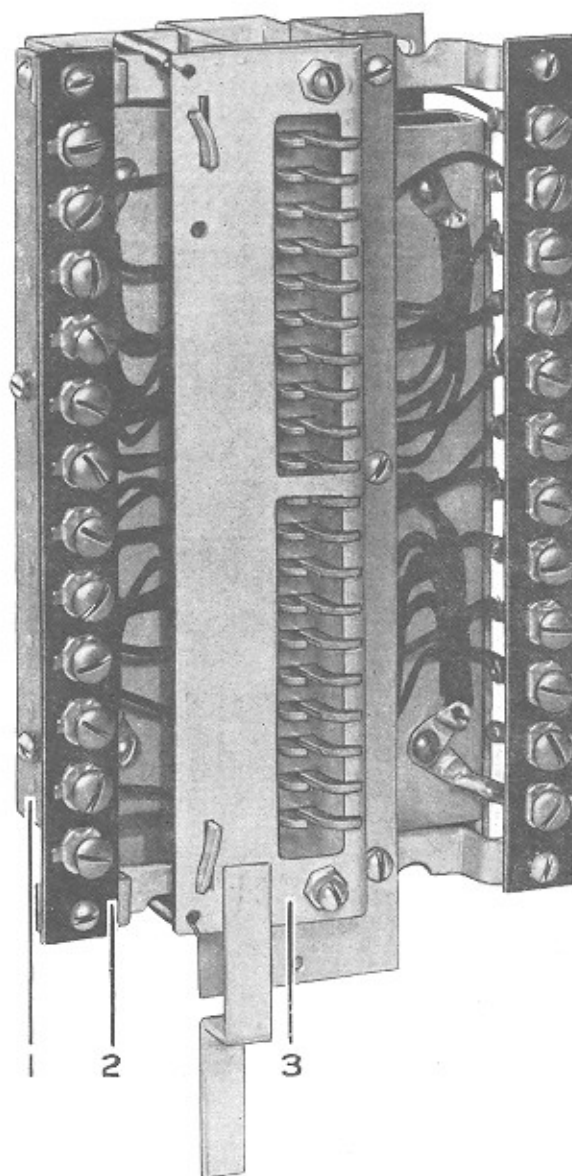


Fig. 11—No. 11822 Coil Bank Assembly (Front View)

PART NO.	DESCRIPTION
1. No. PH-7603A	Coil plunger spring retainer assembly.
2. No. 10890	12 lug terminal strip.
3. No. 12560A	Selector gate assembly.

Power is transmitted to the selector coil bank assembly through the power distribution cable. The twenty key switch cable connects the selector solenoids to the twenty key switch buttons. The brass selector key in being released, pulls in the selector gate which closes the micro switch, thereby starting the power motor.

When a solenoid is energized, it pulls in the plunger, releasing the brass key into the path of the index elevator pawl. The selector key should move freely to assure proper selection. If a key were binding and would not release, a wrong selection would result; or if the selector key would not lock in the normal position, continuous operation would be the result.

SELECTOR ASSEMBLY (Front and Back View)

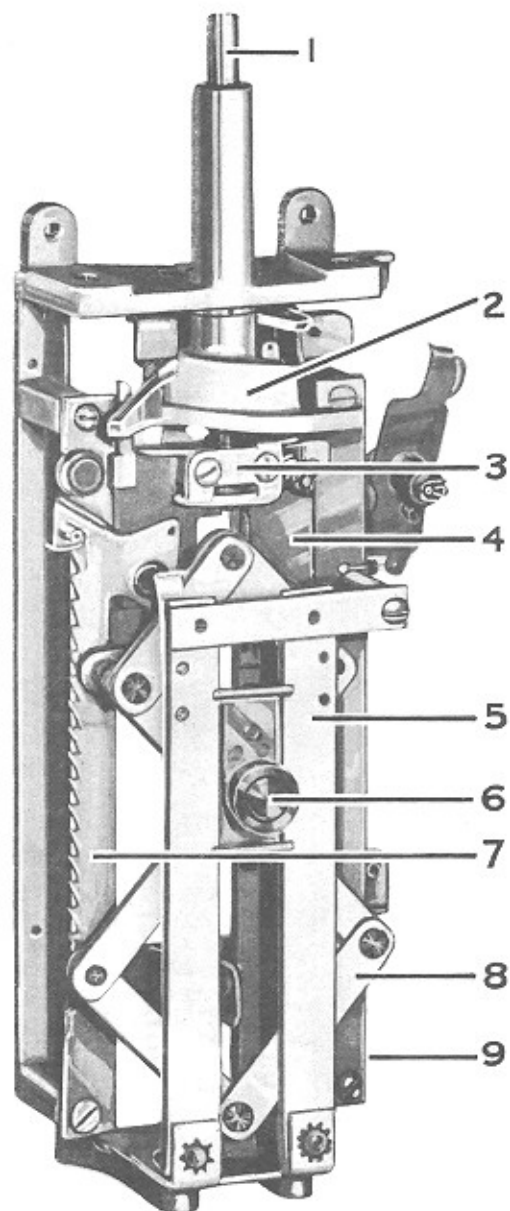


Fig. 12—No. 11945-A Selector Assembly (Back View)

PART NO.	DESCRIPTION
1. No. PH-7635A	Selector slide shaft assembly.
2. No. PH-1002-3	Tray unlocking cam.
3. No. 11522	Selector slide lift bracket.
4. No. 11946A	Selector slide and cancel plate assembly.
5. No. 11604A	Connecting link guide assembly.
6. No. 12282A	Selector lift roller and bracket assembly.
7. No. PH-5998A	Selector rack guide assembly.

When phonograph is in "normal" position the No. 12282A lift roller which is attached to the No. 12288A connecting link assembly is at rest on the high spot of the PH-5007-3 cam rail (Fig. 21). The connecting link assembly is holding the No. 11946 selector slide assembly at the top position and the selector slide is holding the PH-7635A selector shaft in its top position. The No. 11668A index elevator assembly is held at top position by means of the No. 11649 upper link stud on which the No. 11324 reset dog of the index elevator is resting.

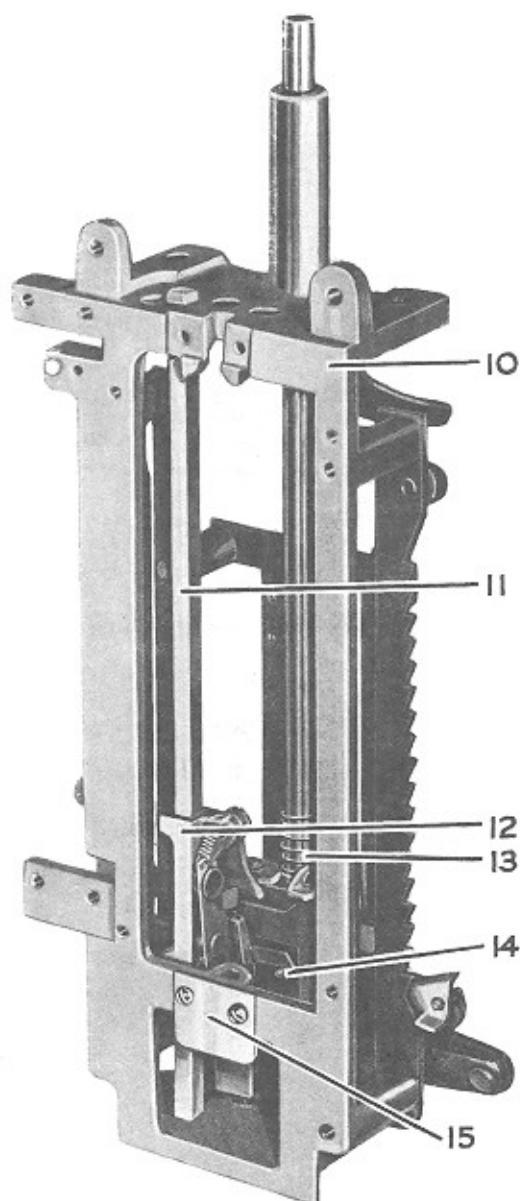


Fig. 13—No. 11945-A Selector Assembly (Front View)

PART NO.	DESCRIPTION
8. No. 12288A	Connecting link assembly.
9. No. 11670A	Selector slide guide assembly.
10. No. PH-6165A	Automatic selector casting.
11. No. 11671	Index elevator shaft.
12. No. 11668A	Index elevator assembly.
13. No. PH-6225	Selector slide return spring.
14. No. 11649	Upper link stud.
15. No. 11656	Index roller assembly.

Immediately after record changer starts, the connecting link, selector slide and index elevator are permitted to drop due to the action of the cam revolving and allowing the lift roller to slide off the cam lift. The index elevator pawl stops on the first PH-6830-1 selector key in its path and the No. 11522 selector slide lift bracket which is part of the selector slide comes to rest on a projection of the index elevator casting. The tray unlocking dog at top of the selector shaft is now directly opposite PH-6004 tray release dog of the selected tray.

SELECTOR SLIDE ASSEMBLY (Front and Back View) • INDEX ELEVATOR ASSEMBLY

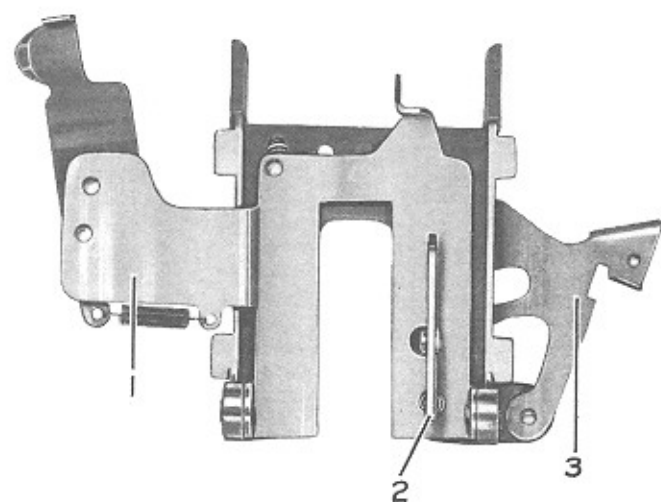


Fig. 14—No. 11946-A Selector Slide and Cancel Plate Assembly (Front View)

PART NO.	DESCRIPTION
1. No. PH-8318-1A	Cancel plate assembly.
2. No. PH-1020	Selector slide stop dog.
3. No. PH-4351-1	Selector slide stop.

Auxiliary roller (No. 8, Fig. 21) located on top of cam gear operates tray unlocking cam No. PH-1002-3 (No. 2, Fig. 12) and turns selector shaft No. PH-7635A (Fig. 12). Tray unlocking dog releases tray release dog No. PH-6004 so tray driver No. 11521 will bring tray No. PH-6000-1 and record out over turntable No. 11821 ready for playing. A small cam attached to bottom of selector shaft moves against cancel plate No. PH-8318-1A, forcing cancel plate to push selector key No. PH-6830-1 (No. 4, Fig. 6) back to normal position. Index elevator No. 11668A then drops onto next selected key.

Forward movement of the No. PH-6860-1 cancel plate pulls out the No. PH-1020 selector stop dog which releases the No. PH-4351-1 selector slide stop. The selector slide stop in being released, stops on a tooth of the No. PH-5998A selector rack guide assembly holding the No. 11946A selector slide assembly in position while the index elevator drops to the next selected number. If there are no more selections the index elevator will drop to the bottom causing the reset dog to come to rest on the No. 11656 index roller assembly which will move the reset dog forward into the path of the link stud.

The main cam and lift assembly in continuing its revolution lifts the No. 12282A selector lift roller which is attached to the connecting link assembly to the top position. In the event the index elevator is at the bottom because there were no more selections, the index elevator would be lifted to the top position. In the course of bringing these parts to the top, the selector slide is also picked up from its latched position on the rack guide.

When the selector slide has reached the top, the selector slide stop strikes the reset roller causing it to be disengaged from the rack guide. This allows the selector slide stop dog to slip in and lock the selector slide stop in its normal position.

The No. 11522 bracket which holds the selector slide on the projection of the index elevator casting is the means for aligning the selector slide stop to the rack guide. This stop must have a clearance of about $\frac{1}{32}$ " over the tooth to assure proper latching. If the stop strikes the point of the tooth it will not latch and will drop to the bottom. Adjustment can be made by carefully bending down on the No. 11522 bracket, which governs the height of the selector slide stop.

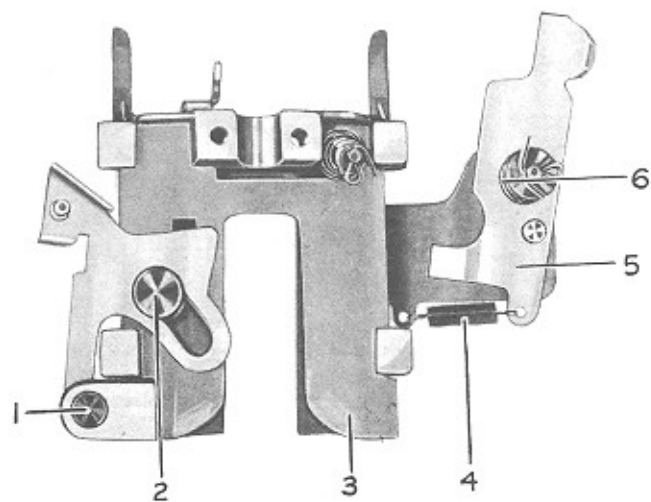


Fig. 15—No. 11946-A Selector Slide and Cancel Plate Assembly (Back View)

PART NO.	DESCRIPTION
1. No. 11948	Selector slide assembly.
2. No. PH-4353	Selector slide stop pivot stud.
3. No. PH-4356-1	Selector slide stop guide stud.
4. No. PH-5625	Counter pawl spring.
5. No. PH-5606	Counter pawl.
6. No. PH-5624	Pawl spring.

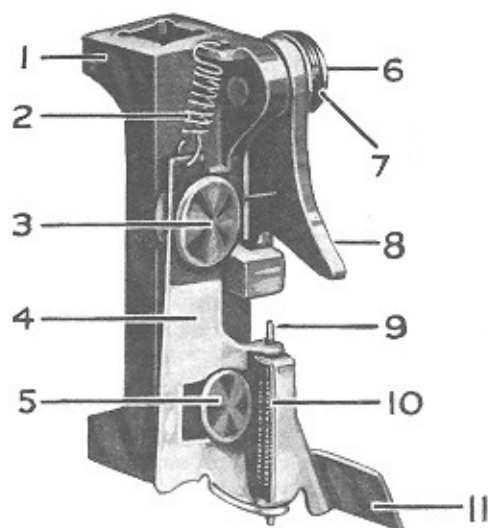


Fig. 16—No. 11668-A Index Elevator Assembly

PART NO.	DESCRIPTION
1. No. 10936	Index elevator.
2. No. 10943	Spring.
3. No. 10941	Reset pawl stud.
4. No. 10937-1	Reset pawl.
5. No. 12476	Reset pawl guide stud.
6. No. 12374	Index elevator pawl stud.
7. No. 10940	Spring (index elevator pawl).
8. No. 10938	Index elevator pawl.
9. No. 11342	Reset dog shaft.
10. No. 11340	Reset dog spring.
11. No. 11324	Reset dog.

TRAY STACK ASSEMBLY

TRAY DRIVER

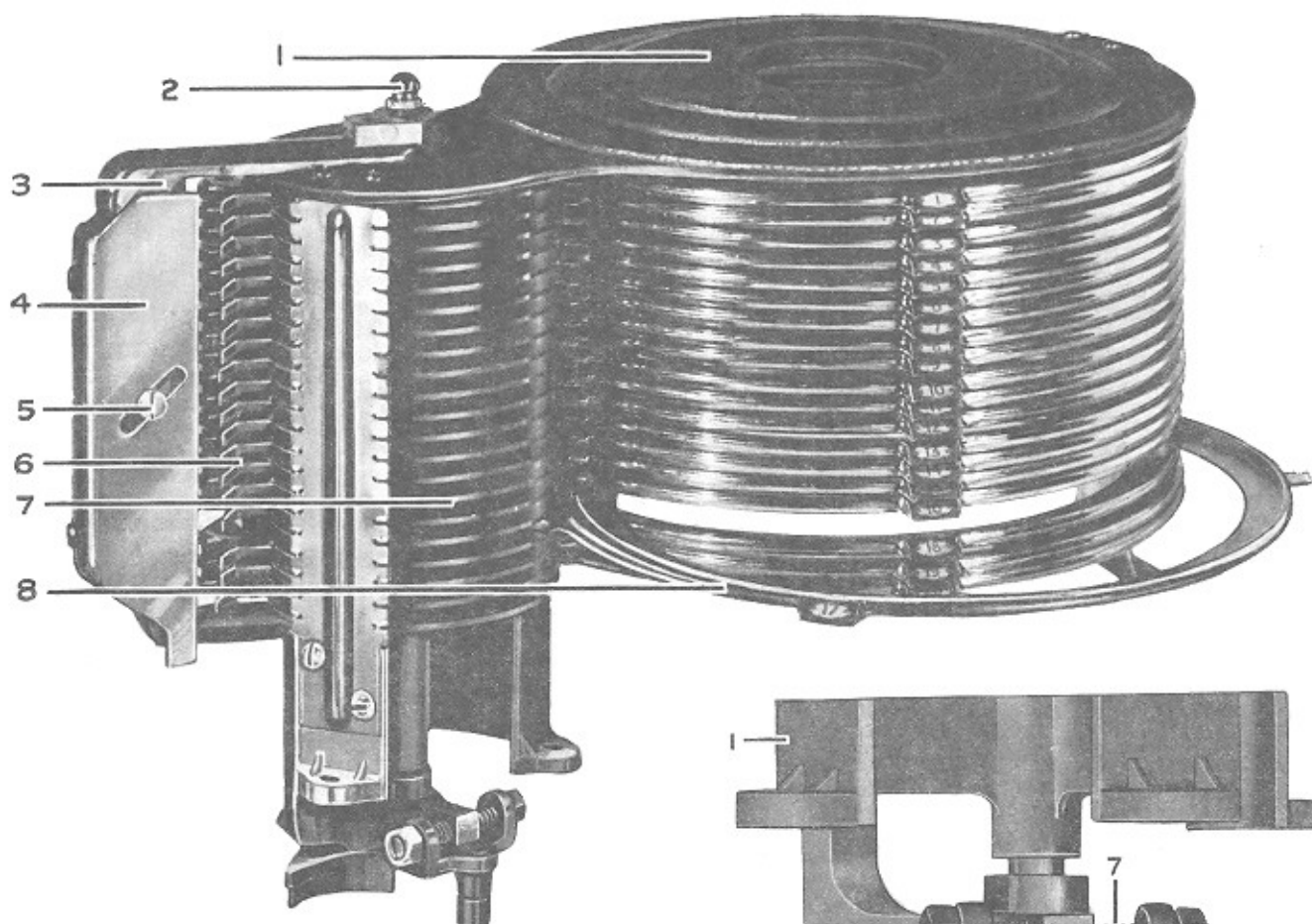


Fig. 17—No. 11636-A
Tray Stack and Driver Assembly

PART NO.	DESCRIPTION
1. No. 11500	Record cover.
2. No. 12362	Tray shaft.
3. No. 11521	Tray driver assembly.
4. No. 11502	Tray release.
5. No. 11512	Tray release screw.
6. No. PH-6004	Tray release dog.
7. No. PH-6007	Tray support disc.
8. No. PH-6000-1	Tray.

The record tray and record arc moved from the tray stack position to the turntable position, first by the tray unlocking cam contacting the tray dog, which unlatches the tray from tray supporting disc and places the driving lug of the tray dog in the path of the tray release. When the tray driver starts revolving from the action of the selector cam, the tray and record will be brought over to playing position against tray stop No. 11676 (Fig. 19), which is mounted on the mechanism chassis.

The separate unit on the bottom of the tray driver, drives the selected tray and record under the action of the tray driver spring No. PH-7438 (Fig. 19). This spring compensates for any over travel at tray stop position and holds tray assembly in playing position against tray stop under compression action of the tray driver spring.

On the return stroke the separate unit on the bottom of the tray driver, returns the tray to its original position by positive action of the tray driver set screw No. PH-6980 (Fig. 19).

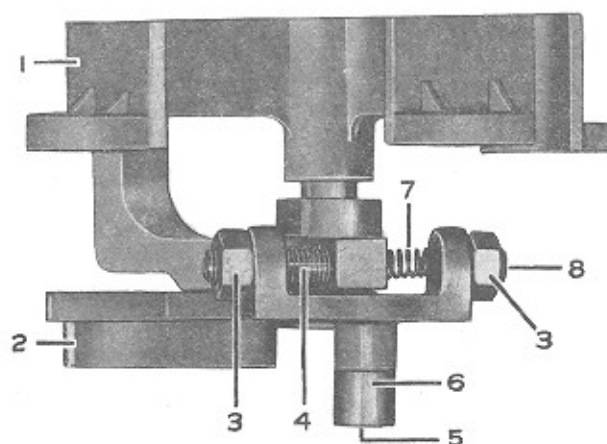


Fig. 18—Tray Driver

PART NO.	DESCRIPTION
1. No. PH-6010-1	Tray support casting.
2. No. 11519	Selector slide bracket bushing and roller assembly.
3. No. ST-412	Hex nut.
4. No. PH-6980	Tray driver set screw.
5. No. PH-1195	Selector cam roller stud.
6. No. PH-1196	Selector cam roller.
7. No. PH-7438	Tray driver spring.
8. No. PH-6011	Tray driver set screw.

The means for adjusting the tray driver mechanism manually are as follows:—

- (a) When the tray and records are in the tray stack position tray driver set screw No. PH-6980 should be adjusted so that there would be a minimum clearance of $\frac{1}{16}$ " between tray assembly and tray cover support as shown in (Fig. 19). When phonograph mechanism is in normal operation the momentum or fast action of the tray closing will tend to bring the tray assembly snug against the tray cover support. Under no circumstances should tray driver set screw be adjusted so

TRAY STACK AND DRIVER (Schematic Drawing)

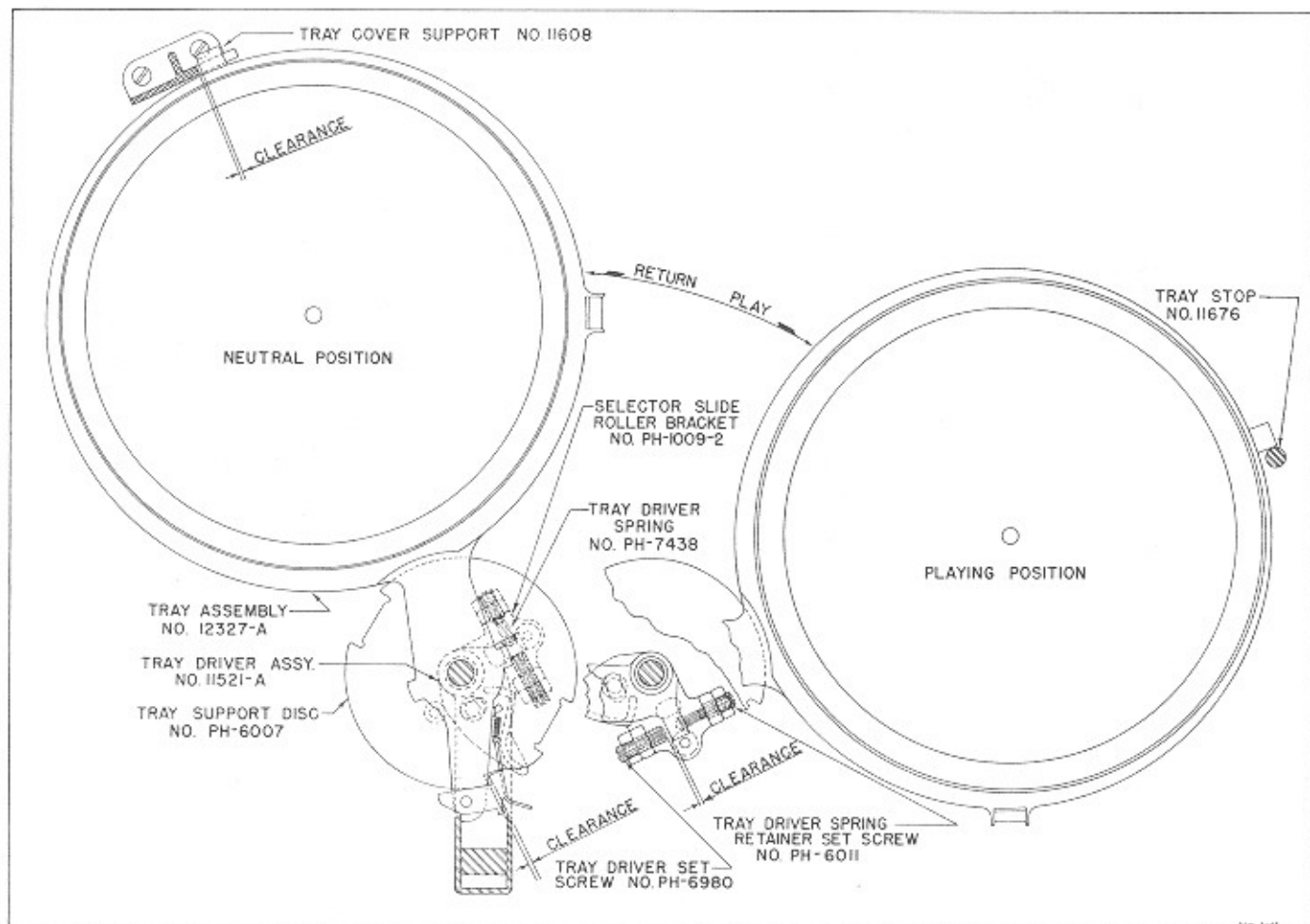


Fig. 19—Tray Stack and Driver (Schematic Drawing)

that the tray assembly would be forced against the tray cover support. For if this should be done there would be a bind on the cam roller No. PH-1196 (Fig. 19). The tray release would not seat properly due to a binding action, and the stroke of the tray driver would be shortened effecting bringing tray to playing position.

- (b) The tray dog should be seated in a locking position with a minimum clearance of $\frac{1}{32}$ " to $\frac{1}{16}$ " between tray dog locking notch in tray supporting disc (Fig. 19). It is very important that this adjustment is properly made for when the tray driver is returning the tray assembly to the stack should the tray dog No. PH-6004 fail to drop in the locking notch of the tray support disc on the following operation of the phonograph this tray together with the tray selected would be brought over the turntable position and a jam would occur.
- (c) When tray and record are in playing position against tray stop under spring action, the tray driver set screw No. PH-6980 should have a definite clearance between screw and tray driver as shown in (Fig. 19).

The tray driver set screw No. PH-6980 should be adjusted, then locked with the hex nut, so as to satisfy conditions outlined.

If after making adjustment as outlined above the tray driver and trays do not function properly or the stroke appears too short look for trouble elsewhere.

Check tray stop No. 11676 (Fig. 19) which should be perfectly square with chassis base. If the stop should be bent away from the tray stack, this will effect the tray driver stroke.

The tray release No. 11502 (Fig. 19) should be a snug fit on the tray driver. If there should be excessive play between the tray release and the tray driver (this would cause tray driver stroke to be short) squeeze tray release together with the tray driver in place in a vise.

The tray driver set screw No. PH-6011 (Fig. 19) is not an adjusting screw, but a means of holding the tray driver spring in place. The face of the tray driver set screw contacting the spring should be flush with the casting as shown in (Fig. 19). If the screw should be screwed in too far in the casting the space for the spring to work in would be too short for the spring to function properly. If the spring becomes too weak replace it.

TURNTABLE CAM AND LIFT ASSEMBLY (Side and Top View) • CAM SHAFT SUPPORT ASSEMBLY

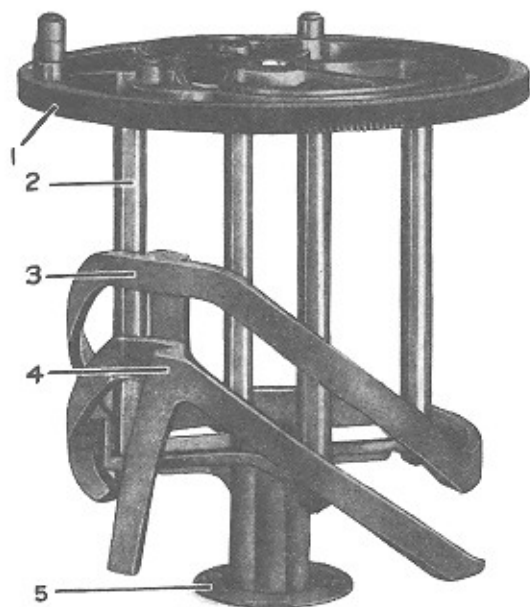


Fig. 20—No. 11648-A

Turntable Cam and Lift Assembly (Side View)

PART NO.	DESCRIPTION
1. No. 11646	Selector cam assembly.
2. No. PH-5034	Cam spacer rods.
3. No. PH-5006-1	Guide rail.

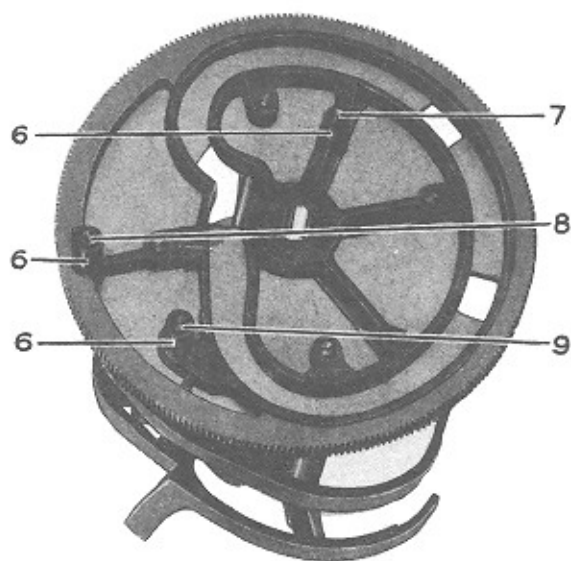


Fig. 21—No. 11648-A

Turntable Cam and Lift Assembly (Top View)

PART NO.	DESCRIPTION
4. No. PH-5007-3	Cam rail.
5. No. 11617	Main switch timing disc.
6. No. PH-1315	Auxiliary roller.
7. No. 11643	Tone arm return roller stud.
8. No. 11642	Auxiliary roller stud.
9. No. 11644	Roller bracket stud.

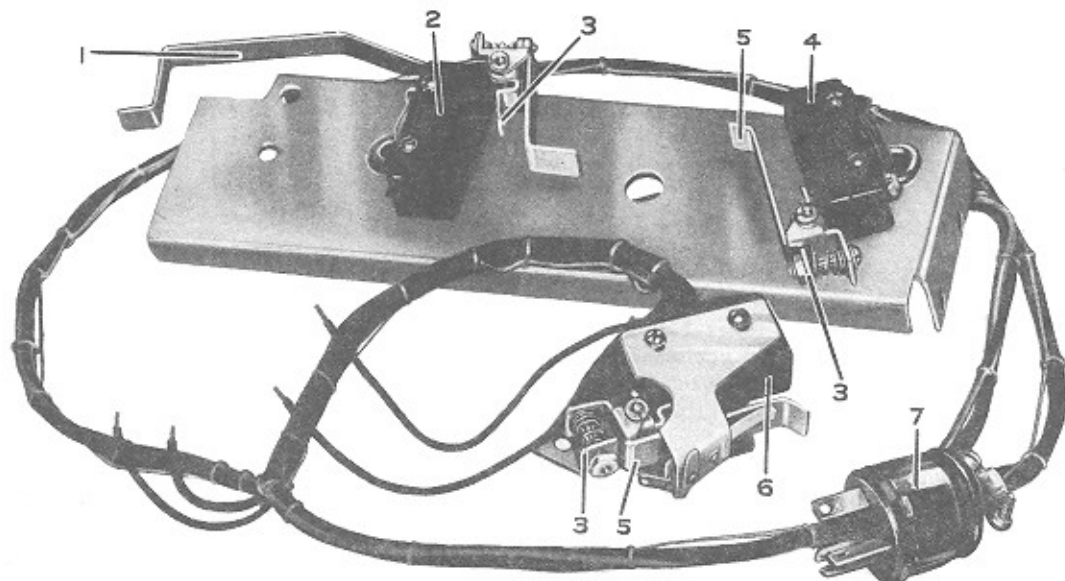


Fig. 22—No. 11698-A Cam Shaft Support Assembly

PART NO.	DESCRIPTION
1. No. 11699A	Power motor switch lever assembly.
2. No. PH-3544	Power motor micro switch (N. O.).
3. No. PH-6195	Micro switch pivot lever.

The power motor switch lever extension No. 11699A is moved by the selector gate and in so doing operates the power motor micro switch No. PH-3544 (normally open) closing the circuit to the power motor. The power motor rotates the cam and lift assembly until the turntable micro switch lever No. PH-7295A drops into the notch of the main switch timing disc No. 11617 operating the turntable micro switch No. PH-3543. This action "breaks" the circuit to the power motor stopping the mechanism and at the same time

PART NO.	DESCRIPTION
4. No. 11609	Turntable micro switch (S.P.D.T.).
5. No. PH-7295A	Micro switch lever assembly.
6. No. PH-3543	Tone arm micro switch (N.C.).
7. No. 11586	3-prong male plug.

starting the turntable motor No. 11939 which revolves the turntable No. 11821.

The tone arm No. 11680A in following grooves of the record revolves the tone arm shaft until the tripping mechanism operates the tone arm micro switch No. PH-3543 (normally closed). This action will start the power motor causing the cam and lift assembly to revolve. The main timing disc will then operate the turntable motor micro switch which will

TURNTABLE AND MOTOR ASSEMBLY • POWER MOTOR • WORM AND BEARING ASSEMBLY

continue to keep the power motor operating while the tone arm micro switch is being reset. This action also "breaks" the circuit to the turntable motor. As the turntable cam and lift assembly is completing its cycle it will be stopped by the lever of the power motor micro switch dropping into the notch of the main switch timing disc. In this position, the tone arm, turntable and selector slide assembly has returned to normal position from which the cycle can be repeated. Note, all micro switches must "make" or "break" as close to the center of adjustment as possible. This adjustment can be made by the screw and spring tension of the micro switch levers.

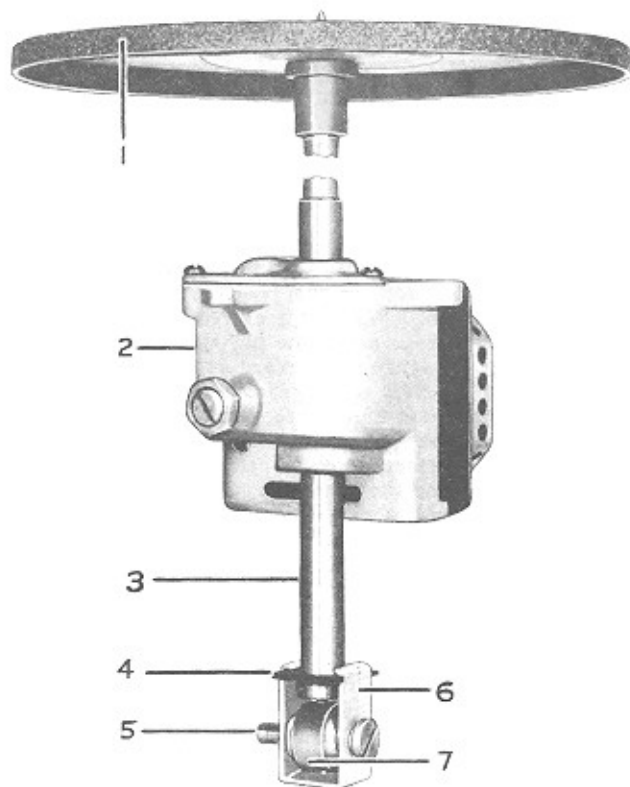


Fig. 23—Turntable and Motor Assembly

PART NO.	DESCRIPTION
1. No. 11821	Turntable assembly.
2. No. 11939	Turntable motor.
3. No. 11959	Turntable shaft.
4. No. PH-6019	Turntable shaft washer.
5. No. PH-6033	Turntable lift roller screw.
6. No. PH-6021	Turntable shaft return clamp.
7. No. PH-6023	Turntable lift roller.

Turntable on its way up will pick up the record support disc and record, bringing it to tone arm, which is adjusted to rest on edge of record. When record is completed, tone arm is returned to position by tone arm reset lever assembly working directly off cam gear. When record is completed, timing disc at base of tone arm No. 11819A, will operate micro switch which starts power motor, driving cam gear, bringing tone arm, tray, turntable and tray release dog back into starting position.

The turntable motor No. 11939 should be kept free of dirt since foreign matter may adhere to the turntable shaft No. 11959 and cause the shaft to bind. Make sure the motor is oiled periodically, an oil hole is provided on the top of the motor.

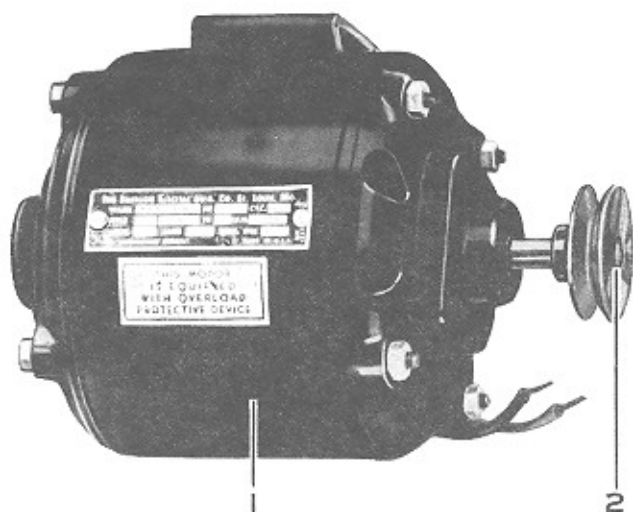


Fig. 24—Power Motor

PART NO.	DESCRIPTION
1. No. PH-4326-1	Power motor.
2. No. 11501	Pulley.

The power motor is equipped with a thermal cutout to protect the motor from overloading which would occur when the worm gear and the cam gear are tight together, a very slight amount of play is recommended.

If the main shaft is tight in the turntable cam, it may interfere with the free and easy running of the power motor, causing the protective cutout to shut off the motor. Remove the shaft, clean, polish and replace making certain that there are no burrs on the shaft.

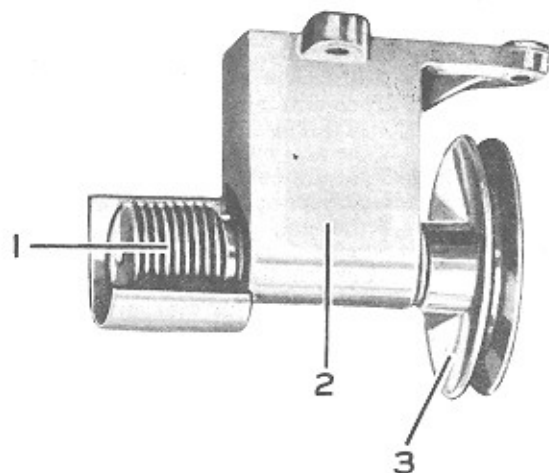


Fig. 25—No. PH-8343-A
Worm and Bearing Assembly

PART NO.	DESCRIPTION
1. No. PH-141-1	Worm.
2. No. PH-7111A	Casting and bearing assembly.
3. No. PH-134	Pulley.

Turntable cam is operated by a belt driven worm gear meshing into cam gear. Worm gear and cam must move freely when turned by hand.

TONE ARM BASE ASSEMBLY (Side, Lower and Bottom View)

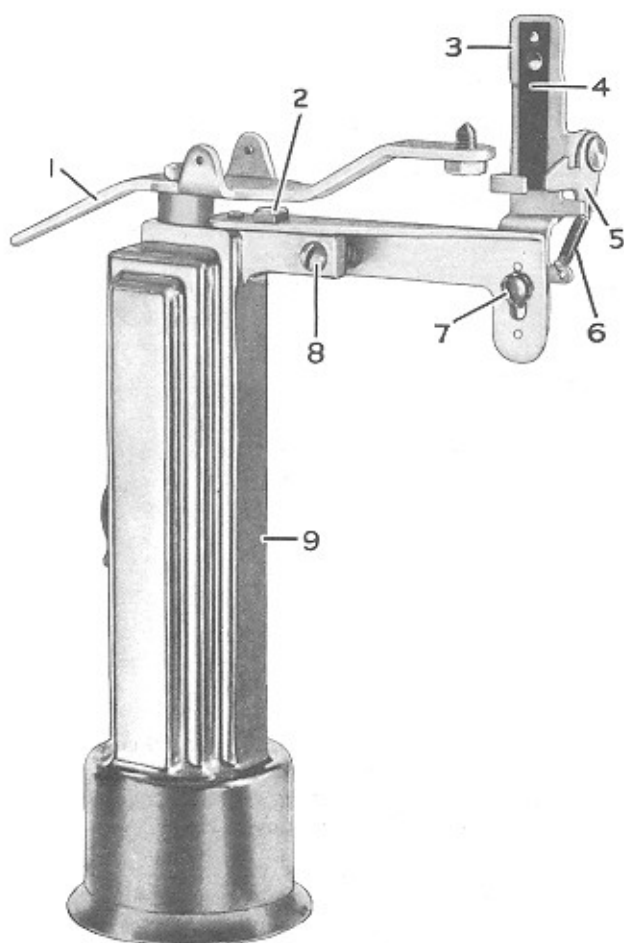


Fig. 26—No. 11540-A
Tone Arm Base Assembly (Side View)

PART NO.	DESCRIPTION
1. No. PH-7282	Tone arm pivot bracket and shaft assembly.
2. No. PH-6053	Adjustment bracket screw.
3. No. 11549A	Tone arm adjusting bracket and spring assembly.
4. No. PH-6183	Tone arm push spring.
5. No. PH-6184	Tone arm latch.
6. No. PH-6230	Latch spring.
7. No. ST-3752	Screw.
8. No. ST-2378	Screw.
9. No. PH-5080-2	Tone arm base.

PIVOT SCREW ADJUSTMENT

Tone arm must move freely on pivots. There should be no sideplay. To adjust starting position of the tone arm loosen hex head screw No. PH-6053 and wing nut No. ST-1352. (Fig. 28) and turn screw No. ST-2378 "in" or "out" so tone arm needle will contact record about $\frac{1}{16}$ " from the edge of record.

TRIP POSITION ADJUSTMENT

To adjust trip position of tone arm, loosen lock nut No. ST-401 (Fig. 27) and move screw No. ST-205 "in" to advance the trip position of the tone arm. To delay the trip position, move screw No. ST-205 "out" (Fig. 27).

In adjusting the trip position, the No. 11941 record trip lever should be in such a position so that it will not be necessary to use the entire adjusting screw. The record trip lever may be moved by loosening the two screws which hold it to the tone arm shaft. Then, reset the trip lever either toward or away from the adjustment screw. This should result in the use of only approximately one-half of the adjusting screw.

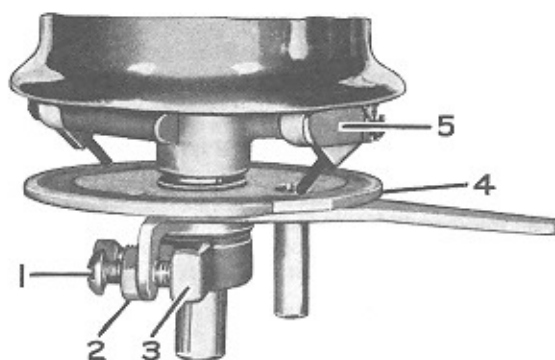


Fig. 27—No. 11540-A
Tone Arm Base Assembly (Lower View)

PART NO.	DESCRIPTION
1. No. ST-205	Adjustment screw.
2. No. ST-401	Nut.
3. No. 11941A	Record trip lever.
4. No. 11819A	Tone arm timing disc.
5. No. PH-405A	Trip dog and bracket assembly.

FEED IN ADJUSTMENT

The tone arm in rest position is held in the notch of the No. PH-6184 tone arm latch. In this position the No. PH-6183 tone arm push spring (Fig. 26) is exerting a slight amount of pressure on the tone arm. The purpose of the tone arm push spring is to give the tone arm a start toward the grooves in the record when it is released from the tone arm latch. Care should be taken so that the tension is not too strong, for this may result in the tone arm skipping over several grooves in the record. Adjustment may be made by the screw located on the bracket behind the tone arm push spring. By turning the screw "out", tension will be decreased, or by turning the screw "in", tension will be increased.

TONE ARM HEIGHT ADJUSTMENT

To adjust height of tone arm loosen screw No. ST-3752 on bracket No. 11549A. Move bracket No. 11549A up or down so that tone arm when in rest position is locked on latch No. PH-6184. The tone arm should not rest on bottom of latch No. PH-6184.

ROTATING DOG ASSEMBLY

The friction spring located under the small set screw in the hub of the No. PH-405A trip dog and bracket assembly compresses a ball bearing which is pressed against the tone arm shaft. By tightening the screw the trip dog bracket is held firmly to the shaft. This adjustment should be snug.

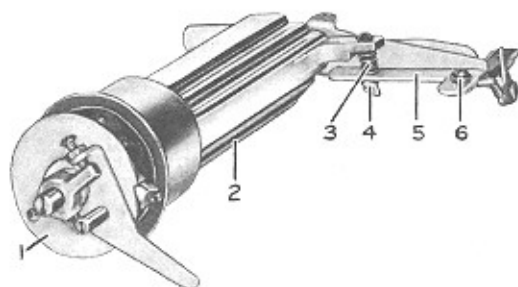


Fig. 28—No. 11540-A
Tone Arm Base Assembly (Bottom View)

PART NO.	DESCRIPTION
1. No. 11819A	Tone arm timing disc.
2. No. PH-5080-2	Tone arm base.
3. No. 10706	Spring.
4. No. ST-1352	Wing nut.
5. No. PH-6047	Adjusting bracket.
6. No. ST-3752	Screw.

TONE ARM AND WIRING ASSEMBLY

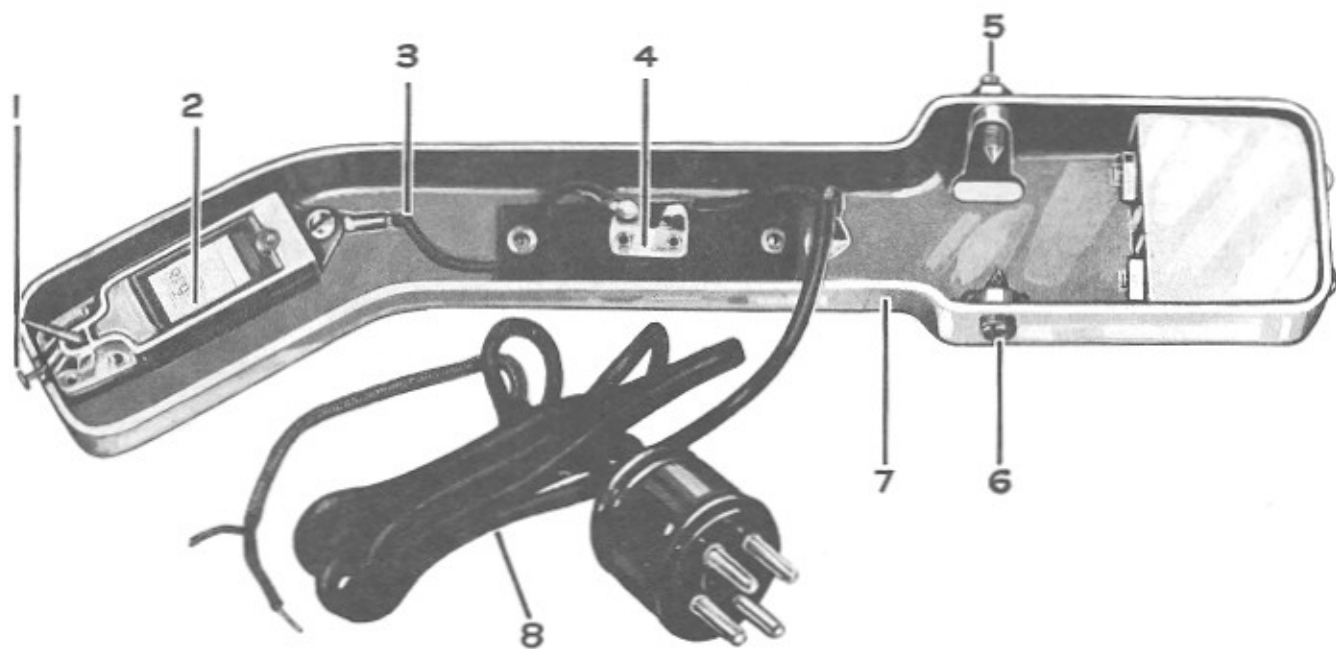


Fig. 29—No. 11680-A Tone Arm and Wiring Assembly

PART NO.	DESCRIPTION
1. No. PH-7333	Needle screw.
2. No. PH-3695	Pickup cartridge (L-21).
3. No. PH-7724A	Insulating wire assembly.
4. No. PH-7036A	Insulation strip assembly.

AMPLIFIER MODEL O

The output of the crystal pickup is fed from the tone arm to the input receptacle of the amplifier. The signal is then amplified by the 6J5 voltage amplifier stage, and further by the power amplifier stage consisting of two 6L6G output tubes operating in push-pull. The highly amplified signal is then fed into the output transformer and then to the 12" dynamic speaker. The maximum power output of this amplifier is approximately 24 watts. A 5U4G rectifier tube is used for rectification of the D.C. plate voltage. A tube heater relay has been incorporated in the cathode circuit of the 6L6G tubes to provide approximately 10 volt heater voltage to the tubes until their proper operating temperatures have been reached. Individual bass and treble tone controls have been provided to adequately cover the desired tone range.

It should be noted that plug-in type filter condensers are used. Neither these condensers nor any of the tubes should be removed while the amplifier is connected. Should the amplifier fail to function, first check all fuses and all plug-in connections before removing the amplifier chassis from the phonograph. If further servicing is necessary refer to the circuit diagram for condenser and resistor values and for normal operating voltages which are indicated at several points.

PART NO.	DESCRIPTION
5. No. PH-6049	Tone arm pivot screw.
6. No. 11678	Tone arm pivot screw.
7. No. PH-6046A	Tone arm only.
8. No. PH-7707A	Pickup cord and plug assembly.

For peak performance, the two 6L6G output tubes should be properly matched and balanced. Otherwise distortion may result. The pickup cartridge should be replaced only with the standard No. (L-21) cartridge as this unit is properly matched to the amplifier.

AMPLIFIER MODEL OS

This amplifier differs only from the Model O amplifier in the voltage amplifier stage. This stage consists of a type 6SN7 dual triode tube resistance coupled to the power amplifier stage.

TO OBTAIN BETTER CONTROL OVER THE BASS

1. Remove the by-pass condenser which is located between the plate of the 6J5 tube and the ground connection.
2. Add a 30,000 ohm resistor across the by-pass condenser in the bass circuit as shown in the schematic drawing.

This will allow the same maximum bass, but will lower the minimum.

Before making the above changes be sure to check the following:

1. Pickup cartridge.
2. Grille screen may be rattling or the cement which holds cloth to screen may be blocking air from going through causing a rebounding effect.

AMPLIFIER (Top and Bottom View)

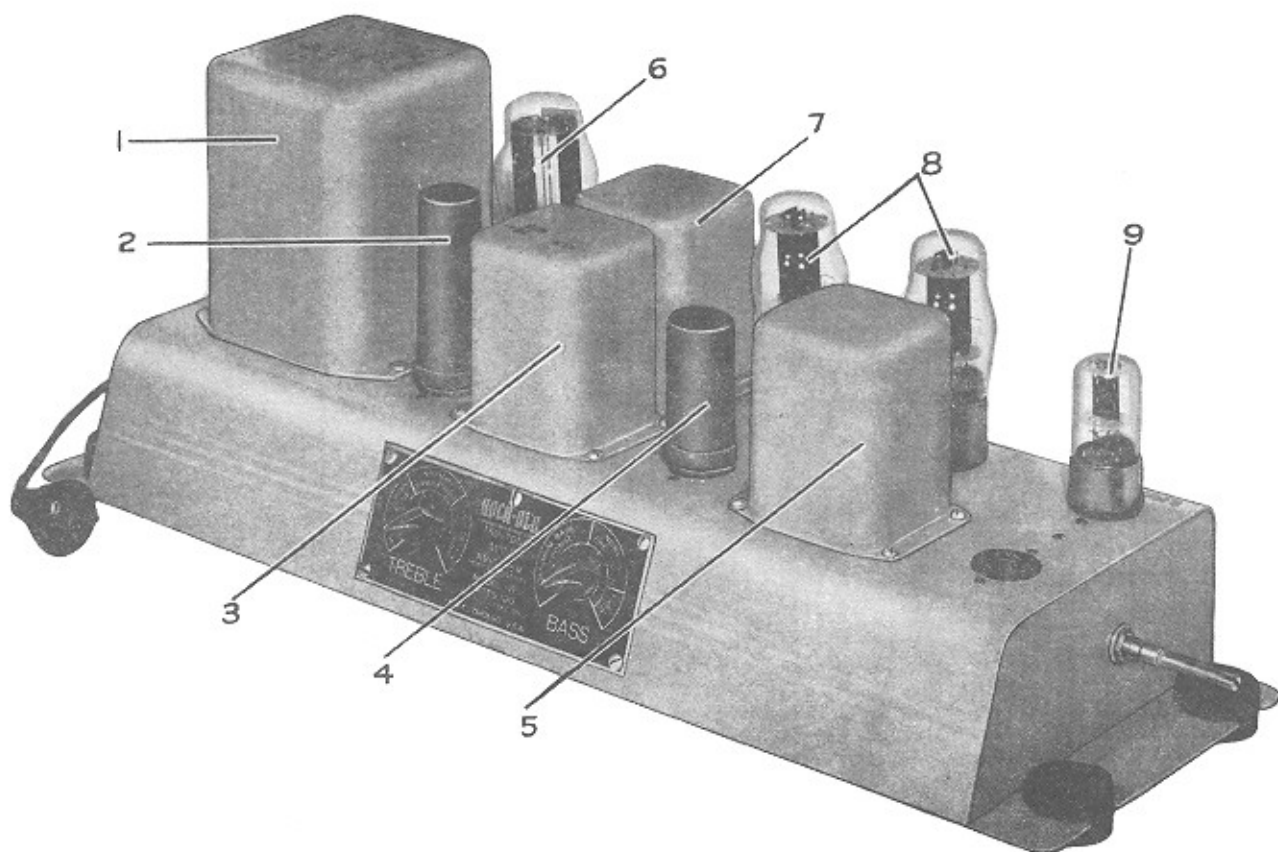


Fig. 30—No. 12238-A Amplifier (Top View)

PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
1. No. PH-3685-5	Transformer (power).	5. No. PH-3684-1	Transformer (input).
2. No. 11967	Condenser (16 Mfd.).	6. No. PH-3190	5U4G Tube.
3. No. PH-3682-1	Filter choke.	7. No. PH-3683	Transformer (output).
4. No. 11970	Condenser (8-8-8 Mfd.).	8. No. PH-3191	6L6G Tube.
		9. No. PH-3505	6J5G Tube.

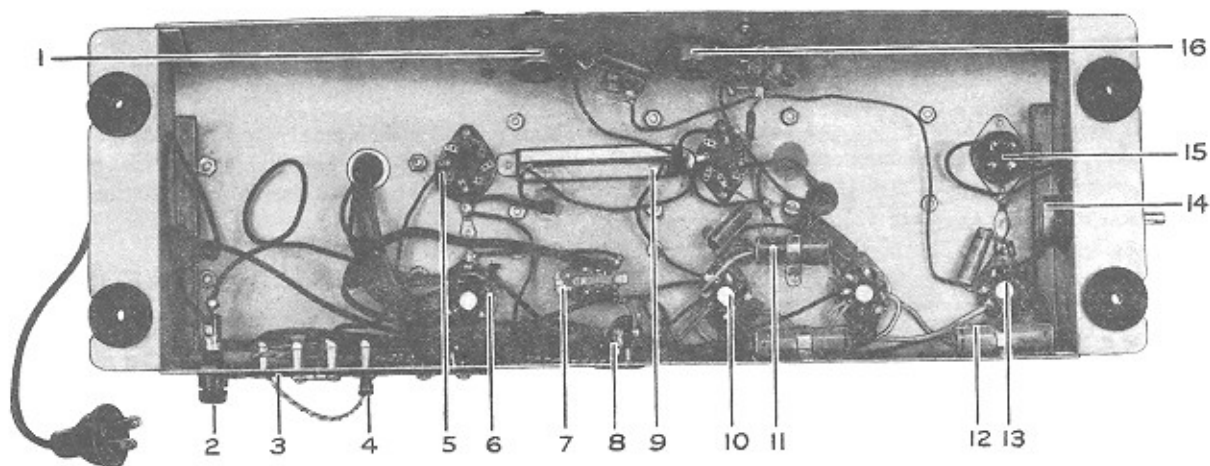


Fig. 31—No. 12238-A Amplifier (Bottom View)

PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
1. No. PH-3681-1	Treble control.	9. No. PH-3173	1M ohm 10W candohm resistor.
2. No. 11555	Fuse holder.	10. No. PH-3162	Tube socket 6L6G.
3. No. PH-3723-1	Speaker terminal strip.	11. No. PH-3511	.0075 Mfd. 1600V. condenser.
4. No. PH-8305	Amplifier speaker plug and wire assembly.	12. No. PH-3177	50 Mfd. 50V. condenser.
5. No. PH-3732	8 prong condenser socket.	13. No. PH-3776	Tube socket 6J5G.
6. No. PH-3161	Tube socket 5U4G.	14. No. PH-3686-2	Dual volume control 2 Meg. 50M ohm.
7. No. 11579	200 ohm relay.	15. No. PH-3165	4 prong socket PU.
8. No. PH-3164	Speaker socket.	16. No. PH-3680-1	Bass control.

POWER DISTRIBUTION PANEL (Top and Bottom View)

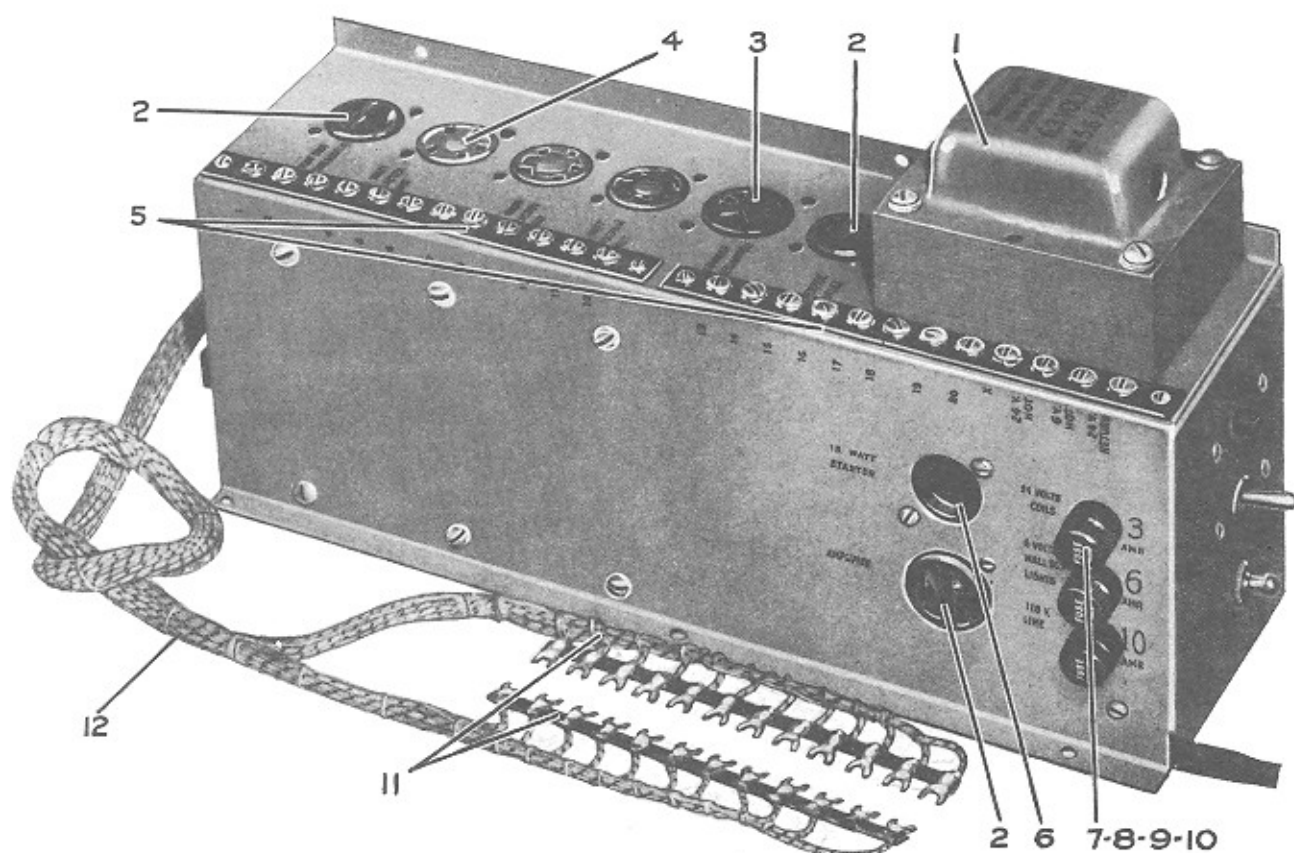


Fig. 32—Power Distribution Panel (Top View)

- | | | | |
|----------------|------------------------------------|-----------------|------------------------------------|
| 1. No. 11551 | Transformer. | 7. No. 11555 | Fuse holder. |
| 2. No. PH-3270 | 2 prong socket. | 8. No. PH-3523 | 3 amp fuse. |
| 3. No. 11559 | 3 prong socket. | 9. No. 11552 | 6 amp fuse. |
| 4. No. PH-3740 | 5 prong socket. | 10. No. ST-3092 | 10 amp fuse. |
| 5. No. 10890 | 12 lug terminal strip. | 11. No. 10925 | 12 lug (spade) connector strip. |
| 6. No. 11556 | 15 watt fluorescent light starter. | 12. No. 11606 | Power distribution cable assembly. |

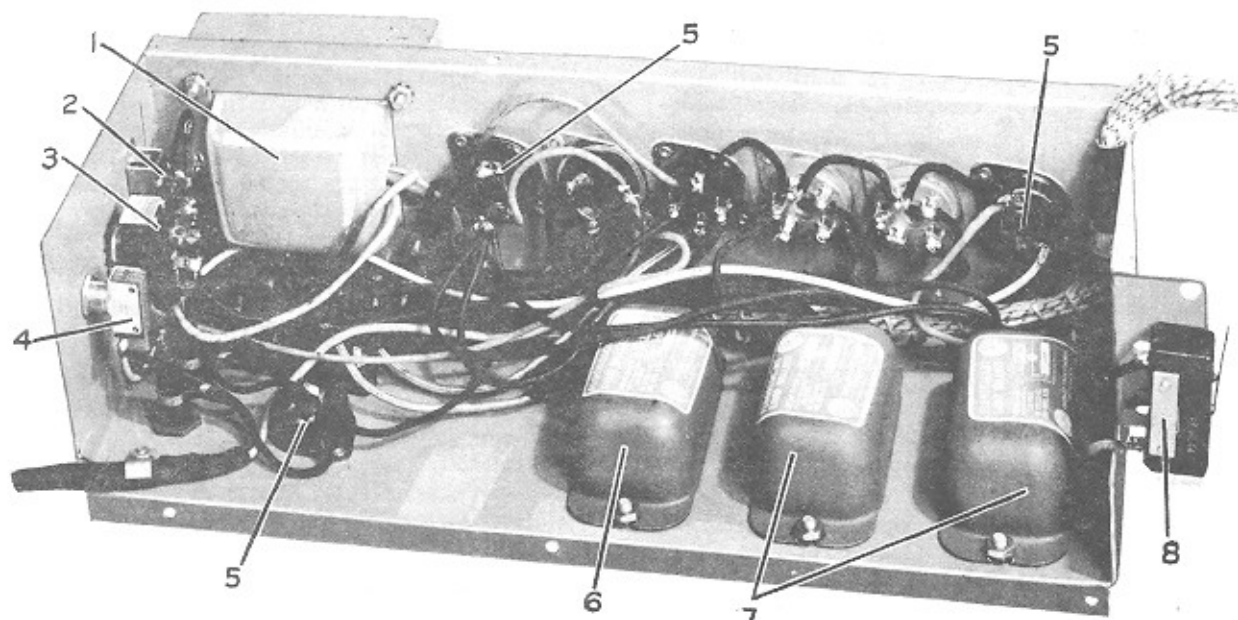


Fig. 33—Power Distribution Panel (Bottom View)

- | | | | |
|----------------|---------------------|----------------|-----------------------|
| 1. No. 11551 | Transformer. | 5. No. PH-3270 | 110V. service socket. |
| 2. No. 11979 | D.P.D.T. switch. | 6. No. 11929 | Ballast 15W. |
| 3. No. 11978 | S.P.D.T. switch. | 7. No. 11980 | Ballast 20W. |
| 4. No. PH-3002 | Main toggle switch. | 8. No. 12447 | Micro switch (N.O.). |

PARTS INDEX



LISTING OF PARTS BY ASSEMBLIES

	<i>Section</i>	<i>Page</i>
Exterior Cabinet Parts	A	21
Interior Cabinet Parts	B	21
Sound Equipment (<i>amplifier and speakers</i>)	C	22
Power Distribution Panel Assembly	D	22
Mechanism Parts	E	22-23
Part 1 Turntable Assembly and Motor		
Part 2 Cam Master Assembly		
Part 3 Cam Shaft Support and Switch Assembly		
Part 4 Chassis Assembly		
Part 5 Worm Gear and Pulley Assembly		
Coil Bank and Selector Assembly	F	23
Accumulator and Slug Rejector Assembly	G	24
Tray and Tray Driver Assembly	H	24
Tone Arm and Base Assembly	J	25
20 Key Switch Assembly	K	25
Micro Switches and Other Assorted Switches	L	25
Coin Chute and Cup Assembly	M	25
Record Counter Assembly	N	25
Cash Box Assembly	P	25
Wiring	R	25
LISTING OF PARTS—NUMERICALLY		26-30

LISTING OF PARTS BY ASSEMBLIES

EXTERIOR CABINET PARTS • SECTION A

PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
12059-A	Rock-Ola Escutcheon & Plastic Assembly	12083-A	Door Pilaster Reflector Assembly (L.H.)
12274	Catalin Cap (R.H.)	12065	Reject Key Shaft
12271	Catalin Cap (L.H.)	12064-A	Reject Key Bracket Assembly
12275	Pilaster (Right Top Half)	12066	Coin Release Spring
12272	Pilaster (Left Top Half)	12068	Locking Lever Assembly
12276	Pilaster (Right Bottom Half)	11935-A	"Thank You" Glass and Holder Assembly
12273	Pilaster (Left Bottom Half)	11531	"Thank You" Glass Holder
12297	Plastic Catalin Support	11533	"Thank You" Glass
12067	Glass (Front Door)	12087-A	Program Holder and "Thank You" Glass Assembly
11538	Selector Key Buttons	12091	Program Holder (Rear) and Spring Lock Assembly
12073	Grille (Upper Right)	12458	"Thank You" Glass Gasket
12074	Grille (Upper Left)	11955	Key Plate
20292	Grille (Front Door Center)	ST-6053	Caster Socket
12075	Grille (Lower Right)	ST-6005	Caster
12076	Grille (Lower Left)	ST-7350-1	Back Door Lock & Key (D-032) Less Latch Latch Only for ST-7350-1
12078	Grille Cellulose Acetate		Key Only (D-032)
12080	Grille Cloth		Key Only (G-451)
12061	Moulding (Top, Metal)	ST-7349-1	Front Door Lock & Key (D-032) Less Latch Latch Only for ST-7349-1
12295	Moulding (Cap, Metal)	12060	Rock-Ola Escutcheon Only
12062	Moulding (Side, Metal)	12081	Grille Screen
12264	Support Rib (Cap, Metal)	12203	Reject Key Bracket
12267	Support Rib (Cap, Metal R.H.)	12246	Front Door Roller Guide
12268	Support Rib (Cap, Metal L.H.)		
12471-A	Front Door Support Roller & Bracket		
12384	Back Door (Top) Ventilating Screen		
12097	Back Door (Bottom) Ventilating Screen		
12082-A	Door Pilaster Reflector Assembly (R.H.)		

INTERIOR CABINET PARTS • SECTION B

PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
12053	Fluorescent Tube (20W White)	PH-3123	7.5 W. 120 V. White Lamp
11903	Fluorescent Tube (15W White)	ST-3059	Lamp (28 V.)
11892	Fluorescent Light Lamp Holders	11534	"Thank You" Socket
12035-A	Fluorescent Side Cyl. Bracket (Weld Assembly R.H.)	12457	Speaker
12249-A	Fluorescent Side Cyl. Bracket (Weld Assembly L.H.)	12064-A	Reject Plunger Assembly
12027-A	Colored Cylinder Assembly (R.H. Side)	12219	Coin Return Cup
12045-A	Colored Cylinder Assembly (R.H. Center)	11594-A	Socket Mtg. Plate Assembly
12044-A	Colored Cylinder Assembly (L.H. Center)	PH-7012-A	Record Counter Assembly
12028-A	Colored Cylinder Assembly (L.H. Side)	12314-A	Veeder Counter and Bracket Assembly
12039-A	Colored Cylinder Cable & Bracket Assembly (L.H. Side)	11896	Duplex A.C. Outlet
12472-A	Colored Cylinder Cable & Bracket Assembly (Center)	12067	Front Door Glass
12032-A	Colored Cylinder Cable & Bracket Assembly (R.H. Side)	PH-3874	Porcelain Shell Keyless Socket
12052	Colored Cylinder Drive Spring	12079-A	Grille Screen Assembly
12512-A	End Cylinder Bracket and Motor Mtg. Welding Assembly (R.H.)	12384	Back Door Screen (Top)
12513-A	End Cylinder Bracket and Motor Mtg. Welding Assembly (L.H.)	12337-A	Back Ground Reflector & Flexglass Assembly (Large)
11995	Front Door Color Cylinder Motor (R.H.)	12338-A	Back Ground Reflector & Flexglass Assembly (Small)
11899	Front Door Color Cylinder Motor (L.H.)	12082-A	Door Pilaster (Inside) Reflector Assembly (R.H.)
12416-A	Program Light Bracket Assembly (R.H.)	12083-A	Door Pilaster (Inside) Reflector Assembly (L.H.)
12417-A	Program Light Bracket Assembly (L.H.)	PH-3584	Plug 4 Prong Male
12091-A	Program Holder (Back Part) and Spring Lock Assembly	PH-3593	Plug 5 Prong Male
12042-A	Program Light Cable Assembly	11532	"Thank You" Glass Holder Lock Clip
11987-A	Cabinet Light Assembly	11989-A	Center Cylinder Pivot & Stud Assembly
PH-3107	25 W. 120 V. Frosted Lamp	12043-A	Program Light Cable Assembly
		12423	Inside Cleat Trim
		12388	Inside Top Trim (L.H.)
		12440	Select Glass Holder

LISTING OF PARTS BY ASSEMBLIES

SOUND EQUIPMENT (AMPLIFIER & SPEAKERS) • SECTION C

PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
12238	Model "O" Amplifier (<i>Without Tubes</i>) Assembly	10540	Condensor .04 MFD 400 Volts
11827	Dynamic Speaker	PH-3102	Condensor .02 MFD 400 Volts
12457	Permanent Magnet Speaker (<i>Substitute for 11827</i>)	PH-3094	Condensor .004 MFD 400 Volts
PH-3190	5 U 4 G Tube	PH-3011	Condensor .01 MFD 400 Volts
PH-3191	6 L 6 G Tube	PH-3514	Condensor .0005 MFD 400 Volts
PH-3505	6 J 5 G Tube	11970	Condensor 8-8-8 (<i>Plug-in-type</i>)
PH-3161	5 U 4 G Tube Socket	11967	Condensor 16 MFD (<i>Plug-in-type</i>)
PH-3162	6 L 6 G Tube Socket	PH-3681-1	Treble Control 100,000 Ohms
PH-3776	6 J 5 G Tube Socket	PH-3680-1	Bass Control 50,000 Ohms
PH-3164	Socket "Spk" (<i>Five Prong</i>)	11616	Volume Control Assembly
PH-3165	Socket "PU" (<i>Four Prong</i>)	PH-3725	Extra Speaker Volume Control (<i>L. Pad</i>)
PH-3732	Socket Red (<i>Eight Prong</i>)	PH-3686-2	Dual Vol. Control 2 Meg. 50,000 Ohms
PH-3173	Resistor 1000 Ohm 10 Watt	PH-3685-5	Transformer (<i>Power</i>)
PH-3117	Resistor 250,000 Ohm 1/2 Watt	PH-3683	Transformer (<i>Output</i>)
PH-3005	Resistor 25,000 Ohm 1/2 Watt	PH-3684-1	Transformer (<i>Input</i>)
PH-3535	Resistor 2,500 Ohm 1/2 Watt	PH-3682-1	Filter Choke
PH-3508	Resistor 5,000 Ohm 1/2 Watt	11579	Relay (<i>200 Ohm</i>)
10859	Resistor 1 Megohm 1/2 Watt	PH-8305	Amplifier Speaker Plug and Wire Assembly
PH-3177	Condensor 50 MFD 50 Volts	PH-3704	Jack Plug
PH-3511	Condensor .0075 MFD 1600 Volts	PH-3523	Three Ampere Cartridge Fuse
		PH-3723-2A	Speaker Terminal Strip Assembly
		PH-6208	Floating Plate Washer

POWER DISTRIBUTION PANEL ASSEMBLY • SECTION D

PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
12242-A	Power Distribution Assembly	11558	Socket for Fluorescent Light Starter
12243-A	Power Distribution Chassis and Socket Riveting Assembly	11556	Starter for Fluorescent Light (<i>15W</i>)
11606-A	Power Distribution Cable Assembly (<i>Complete</i>)	ST-3092	Ten Ampere (<i>Main</i>) Fuse
11978	S.P.D.T. Switch	11552	Six Ampere (<i>Remote</i>) Fuse
11979	D.P.D.T. Switch (<i>Slide Type</i>)	PH-3523	Three Ampere (<i>Light</i>) Fuse
PH-3002	S.P.S.T. Switch	11555	Fuse Holder
PH-3270	Two Prong Female Socket	12447	Micro Switch (<i>Normally Open</i>)
11559	Three Prong Female Socket	11551	Transformer
PH-3722	Four Prong Female Socket	11929	Fifteen Watt Ballast
PH-3740	Five Prong Female Socket	11980	Twenty Watt Ballast
		10890	12 Lug Terminal Strip

MECHANISM PARTS • SECTION E

PART 1 Turntable Assembly and Motor

PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
11821-A	Turntable Assembly	12291	Lift Arm Roller Stud
11959	Turntable Shaft	PH-6020	Lift Arm Pivot Bracket
PH-6019	Turntable Shaft Washer	12293	Selector Lift Roller Assembly
PH-6033	Turntable Lift Roller Screw	12286	Selector Lift Slide
PH-6032-1	Turntable Lift Arm	PH-6022	Slide Mounting Arm
11548-A	Turntable Lever Assembly (<i>Complete</i>)	12290	Slide Roller Pin
PH-6023	Turntable Lift Roller	12292	Mounting Arm Pin
PH-6599	Lift Arm Spring Pin	PH-6021	Shaft Return Clamp
PH-6034	Lift Arm Pivot Stud	11541	Counter Drive Stud
12289	Lift Arm Slide Roller	PH-6027	Pivot Bracket Stud
PH-6036	Lift Arm Spring	11939	Motor (<i>Turntable</i>)
		11806	Turntable Washer

PART 2 Cam Master Assembly

PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
11648-A	Turntable Cam Assembly	PH-4738	Selector Cam Washer
PH-5007-3	Turntable Cam	11632	Cam Shaft
PH-5034	Cam Spacer Stud	11644	Roller Bracket Stud
PH-5006-1	Follow Cam	11643	Tone Arm Return Roller Stud
PH-1561-A	Selector Cam Gear Collar Assembly	11642	Auxiliary Roller Stud
PH-1092	Selector Cam Gear Pin	PH-1315	Auxiliary Roller
PH-206-2	Selector Cam Gear Casting	PH-6017	Worm Gear Spacer
11646-A	Selector Cam Gear and Pin Assembly	11617	Switch Timing Disc
11647-A	Lift Cam Riveting Assembly	11618	Switch Timing Disc Plate

LISTING OF PARTS BY ASSEMBLIES

MECHANISM PARTS . SECTION E (Continued)

PART 3 Cam Shaft Support and Switch Assembly

PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
11698-A	Cam Shaft Support Assembly (<i>Complete</i>)	PH-6196	Micro Switch Lever Pin
11697-A	Cam Shaft Support and Switch Assembly	PH-6233	Micro Switch Spring
PH-3544	Power Motor Micro Switch (<i>N.O.</i>)	11699-A	Master Switch Lever Assembly
11609	Turntable Micro Switch (<i>S.P.D.T.</i>)	11585	Mechanism Cable Assembly
PH-7295-A	Micro Switch Lever Assembly	11586	3 Prong Male Plug and Shell

PART 4 Chassis Assembly

PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
11982-A	Mechanism Chassis and Spring Holder Assembly	11966-A	Support Angle and Bracket Assembly (<i>L.H.</i>)
11622	Chassis Mtg. Spring (<i>Upper Rear</i>)	PH-6846	Record Reject Plunger
12252	Chassis Mtg. Spring (<i>Upper Front</i>)	PH-7167-A	Reject Lever Assembly
12443	Chassis Mtg. Spring (<i>Lower</i>)	PH-6095	Reject Lever Stud
11563	Tone Arm Push Rod Slide Stud	PH-6089	Reject Lever
11619	Tone Arm Reset Lever	11824	Reject Rod Support
PH-6084	Tone Arm Lever	PH-6231	Extension Spring
PH-6099	Tone Arm Lever Pivot Stud	PH-6232	Extension Spring
PH-6096	Tone Arm Push Rod	10471	Turntable Adjusting Spring
PH-6085	Tone Arm Push Rod Stud	10461	Spring Stud
PH-6098	Tone Arm Mounting Stud	PH-4302	Spring
11621	Tone Arm Reset Lever Assembly	11838-A	Spring Clamp Handle Assembly
12314-A	Counter and Bracket Assembly	11810	Spring Clamp Handle Stud
12313-A	Counter Cable and Lever Assembly	11968	Front Tie Rod
11543	Counter Cable	11939	Constant Speed Motor (<i>Turntable</i>)
12312	Counter	12336	Russell Power Motor
11965-A	Support Angle and Bracket Assembly (<i>R.H.</i>)	12361	Motor Condensor
		11981	Reject Rod
		PH-4326-1	Emerson Power Motor

PART 5 Worm Gear and Pulley Assembly

PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
PH-8343	Worm Bearing Casting Assembly	PH-134	Pulley (<i>Driven</i>)
PH-141-1	Worm Gear	11501	Pulley (<i>Motor</i>)
PH-7111-A	Casting and Bushing Assembly	10651	Motor Belt
		PH-142	Worm Bearing

COIL BANK AND SELECTOR ASSEMBLY . SECTION F

PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
11823-A	Coil Bank & Selector Assembly	10940	Index Elevator Pawl Spring
11822	Coil Bank Assembly	10936-1	Index Elevator
PH-6804	Selector Solenoid Coil	10938	Index Elevator Pawl
PH-6830-1	Selector Key (<i>Coil Bank</i>)	12374	Index Elevator Pawl Stud
PH-6806	Selector Key Spring (<i>Coil Bank</i>)	10937	Reset Pawl
11517-A	Selector Key Switch Plate Assembly	10943	Reset Pawl Spring
11946-A	Selector Slide and Cancel Plate Assembly	11570-A	Reset Pawl and Dog Assembly
11523	Selector Slide Casting	11324	Reset Dog
11945-A	Selector Assembly Complete	11342	Reset Dog Shaft
11948-A	Selector Slide Assembly	12476	Reset Pawl Guide Stud
PH-4356-1	Selector Slide Stop Retaining Stud	10941	Reset Pawl Stud
PH-4353	Selector Slide Stop Pivot Stud	12288-A	Connecting Link Assembly (<i>Complete</i>)
PH-1052	Selector Slide Stop Dog Pin	PH-4731	Connecting Link Stud (<i>Lower</i>)
PH-7635	Selector Slide Shaft Assembly	PH-5019	Connecting Link (<i>Medium</i>)
PH-1020	Selector Slide Stop Dog	PH-5020	Connecting Link (<i>Long</i>)
PH-6225	Selector Slide Return Spring	PH-5018	Connecting Link (<i>Small</i>)
11670-A	Selector Slide Guide Assembly (<i>Right</i>)	PH-4041	Connecting Link Stud
PH-5998-A	Selector Slide Guide Assembly	11580	Connecting Link Assembly (<i>Small Inside</i>)
PH-4354	Selector Slide Stop Cam Roller Stud	12286	Selector Lift Slide
PH-4355	Selector Slide Stop Cam Roller	11604-A	Connecting Link Guide Assembly (<i>Complete</i>)
12281-A	Selector Lift Slide and Stud Assembly	12478-A	Tray Unlocking Arm Assembly (<i>Complete</i>)
12282-A	Selector Lift Roller Bracket Assembly	12474	Tray Unlocking Arm Plate
12284	Selector Lift Roller Stud	PH-6001	Tray Unlocking Arm
12285	Selector Lift Roller	PH-1002-3	Tray Unlocking Cam
PH-4358	Selector Slide Guide (<i>Left</i>)	11634-A	Tray Unlocking Cam Assembly
PH-1009-2	Selector Slide Roller Bracket	PH-1009-2	Tray Driver Adjusting Cam Casting
11522	Selector Slide Lift Bracket	PH-8318-1A	Cancel Plate Assembly
PH-6811-1	Coil Plunger	PH-6608	Cancel Plate Spring Stud
PH-7603	Coil Plunger Bracket and Guide Assembly	12379	Cancel Plate Spring
11655	Index Elevator Stop Roller	PH-6280	Cancel Dog
11654	Index Elevator Roller Stud	PH-6805	Spring for Switch Plate
11668-A	Index Elevator Assembly (<i>Complete</i>)		

LISTING OF PARTS BY ASSEMBLIES

COIL BANK AND SELECTOR ASSEMBLY • SECTION F (Continued)

PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
11340	Torsion Spring	PH-5629	Pawl Safety Spring Stud
PH-1127	Spring	PH-7474	Coin Lever Stud
PH-5624	Spring	PH-6154	Automatic Selector Shelf Stud
PH-5625	Spring	11649	Upper Link Stud
PH-4343	Spring	10800	Double Shoulder Stud
10858	Spring (<i>Extension</i>)	11656	Elevator Cam Roller Bracket Assembly
PH-6807	Plunger Spring (<i>Coil Bank</i>)	11672	Bracket and Coil Assembly
PH-5606	Counter Pawl	12420	12 Lug Terminal Strip
PH-5628	Pawl Pivot Stud	11669	Stud

ACCUMULATOR AND SLUG REJECTOR ASSEMBLY • SECTION G

PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
12220-A	Accumulator and Slug Proof Assembly	10738-A	Ratchet (<i>10 cents</i>) and Hub Assembly
11399	Accumulator Spring	10647	Ratchet (<i>ten cents</i>)
10757	Three Unit Slug Rejector	10648	Ratchet (<i>25 cents</i>)
12222-A	Coin Connecting Link Assembly	11836-A	Ratchet Mtg. Plate and Resistor Assembly
12224-A	Coin Return Link and Roller Assembly	10686	Escapement Pawl
11954	Coin Chute Top	10644	Escapement Lever
11975	Coin, (<i>Bent</i>) Release Lever Roller Stud	10899	Escapement Lever Spring
11976	Coin, (<i>Bent</i>) Release Lever Stop Roller	10725	Escapement Lever Spacer (<i>Inside</i>)
12226-A	Coin, (<i>Bent</i>) Release Lever Assembly	10730	Escapement Lever Spacer (<i>Outside</i>)
11309	Coin Release Lever Spring	12204	Stud, Grooved Double Shoulder (<i>Long</i>)
10683	Coin Lever Shaft	12205	Stud, Grooved Double Shoulder (<i>Short</i>)
10674	Coin Trip Lever (<i>5 cents</i>)	10770	Stud, Pivot
10675	Coin Trip Lever (<i>10 cents</i>)	10734	Escapement Lever and Tie Bar Assembly
10676	Coin Trip Lever (<i>25 cents</i>)	10689	Pawl Extension
10732	Coin Lever Spacer (<i>Inside</i>)	10688	Pawl Retainer
10731	Coin Lever Spacer (<i>Outside</i>)	10760	Kicker Coil
10715	Coin Chute (<i>5 cents</i>)	10687	Kicker Coil Armature
10714	Coin Chute (<i>10 cents</i>)	10901	Tension Spring
10713	Coin Chute (<i>25 cents</i>)	10900	Retain Lever Spring
10827-A	Coin Chute Assembly (<i>5 cents and 10 cents</i>)	10897	Lever Spring (<i>5 cents and 25 cents</i>)
10826-A	Coin Chute Assembly (<i>25 cents</i>)	10898	Lever Spring
10681	Coin Chute Plate Spacer	10690	Armature Pawl
12227-A	Coin Mechanism Cable and Plug Assembly	10786	Armature and Retainer Assembly
12228-A	Coin Mechanism Cable	10685	Stop Pin
12206	Coin Release Lever Stud	10680	Tie Bar
PH-6804	Selector Solenoid Coil (<i>Long</i>)	10645	Reset Lever
10593	Coil (<i>Short</i>)	PC-453	Resistor
12459-A	Coil Plunger Assembly (<i>Short</i>)	10967	Blade Switch
10964-A	Coil Plunger Assembly (<i>Long</i>)	11846	Blade Switch
10487	Coil Spring	12217-A	Interlocking Switch Assembly
10764	Coil and Armature Assembly (<i>Complete</i>)	11985-A	Slug Chute
10735-A	Ratchet Mtg. Plate and Lever Assembly	11673	Six Prong Male Plug
10902	Ratchet Torsion Spring	11972	Reject Connecting Link
10737-A	Ratchet and Hub Assembly (<i>Complete</i>)	12484	Anti-Cheat Device
10739-A	Ratchet (<i>25 cents</i>) and Hub Assembly	12487	Throw Spring
10646	Ratchet (<i>5 cents</i>)	12486	V3-8 Micro Switch
10724	Ratchet Switch Stud	12514-A	Switch and Spring Assembly
10723	Ratchet Switch Stud Bushing	PH-3704	Jack Plug

TRAY AND TRAY DRIVER ASSEMBLY • SECTION H

PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
11636-A	Tray and Tray Driver Assembly	11513	Tray Release Spring
PH-6010-1	Tray Support Casting	11512	Tray Release Screw
PH-6007	Tray Support Disc	12362	Tray Shaft (<i>20 Records</i>)
PH-6214	Tray Latch Spring	PH-6009	Tray Shaft Retainer
PH-1086	Tray Dog Stud	11519-A	Selector Slide Bracket Bushing and Roller Assembly
PH-6004	Tray Dog	PH-1009-2	Tray Driver Adjusting Cam Casting
PH-6000-1	Tray	PH-1195	Selector Cam Roller Stud
PH-6005	Tray Support Top Disc	PH-1196	Selector Cam Roller
11608	Tray Support	PH-1072	Roller Bracket Stud
PH-7438	Tray Driver Spring	11500	Record Cover
11521-A	Tray Driver Assembly Complete	12427-A	Record Support Disc Assembly
PH-6011	Tray Driver Set Screw	PH-6006-C	Support Disc Comb
11520-A	Tray Driver and Selector Slide Bracket Assembly	11635	Number Clip
11562	Tray Driver	11676	Tray Stop
11511	Tray Driver Bushing	11942-A	Record Disc Grommet
11693-A	Tray Release Cap Assembly	PH-6980	Tray Driver Set Screw
11502	Tray Release Cap		

LISTING OF PARTS BY ASSEMBLIES

• TONE ARM AND BASE ASSEMBLY • SECTION J

PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
11504-A	Tone Arm Base Assembly	PH-3695	Pickup Cartridge (<i>L-21</i>)
11677-A	Tone Arm Base, Pivot Bracket and Shaft Assembly	PH-6245	Pickup Mounting Screw
PH-5080-2	Tone Arm Base	PH-8384-A	Pickup Shorting Switch Assembly
11503	Tone Arm Base and Pin Assembly	PH-6680	Pickup Shorting Switch
7282-A	Tone Arm Pivot Bracket and Shaft Assembly	PH-7723-1A	Tone Arm Pivot Screw Assembly
PH-6053	Tone Arm Adj. Bracket Clamp Screw	PH-6049	Tone Arm Pivot Screw
12263-A	Tone Arm Adj. Bracket and Spring Assembly	11678	Tone Arm Pivot Screw
PH-6183	Tone Arm Pushout Spring	PH-1042	Tone Arm Bearing Spacer
PH-6230	Tone Arm Latch Spring	11663-A	Tone Arm Switch Bracket Assembly
PH-187	Spring	PH-405-A	Trip Dog and Bracket Assembly
PH-335	Spring	PH-398-A	Trip Dog Assembly
10706	Compression Spring	11819-A	Ratchet Disc Assembly (<i>Complete</i>)
PH-6046-1	Tone Arm	12302	Ratchet Disc Record Trip
PH-6185	Tone Arm Latch Stud	11941-A	Record Trip Lever Assembly
PH-6184	Tone Arm Latch	PH-233-2	Record Trip Lever
PH-7036-A	Tone Arm Insulation Assembly	12300	Record Trip Return Lever
PH-6170	Tone Arm Insulator	PH-6059	Reject Switch Stop Pin
PH-7724-A	Tone Arm Insulating Wire Assembly	PH-3543	Tone Arm Micro Switch (<i>N.C.</i>)
12279-A	Tone Arm Weight Assembly	PH-6196	Micro Switch Lever Pin
12278	Tone Arm Counter Weight	PH-7295-A	Micro Switch Lever Assembly
11680-A	Tone Arm Wiring Assembly	PH-6233	Micro Switch Spring (<i>Tone Arm</i>)
PH-7707-A	Tone Arm Pickup Cord Assembly	12317	Needle
PH-3717	Pickup Cord	PH-7333	Pickup Needle Screw
		PH-406-A	Trip Dog Bracket and Pin Assembly

• 20 KEY SWITCH ASSEMBLY • SECTION K

PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
11603-A	20 Key Switch Assembly (<i>Complete</i>)	12442	Socket and Bracket (Program Holder)
11594-A	Socket Mounting Plate Assembly	11538	Selector Key Button
PH-3733	Socket 6 Prong		

• MICRO SWITCHES AND OTHER ASSORTED SWITCHES • SECTION L

PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
PH-3543	Tone Arm Micro Switch (<i>N.C.</i>)	PH-6680	Pickup Shorting Switch
PH-3544	Power Motor Micro Switch (<i>N.O.</i>)	PH-8384-A	Pickup Shorting Switch Assembly
11609	Turntable Micro Switch (<i>S.P.D.T.</i>)	11846	Blade Switch
12447	Micro Switch (<i>N.O.</i>) (<i>Power Control Panel</i>)	11978	S.P.D.T. Switch
PH-7295	Micro Switch Lever Assembly	11979	D.P.D.T. Switch (<i>Slide Type</i>)
11699-A	Master Switch Lever Assembly	10733	Blade Switch
PH-3002	Main Toggle Switch	10489	Blade Switch

• COIN CHUTE AND CUP ASSEMBLY • SECTION M

PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
12219	Coin Return Cup	12234-A	Lower Coin Chute and Cover Assembly

• RECORD COUNTER ASSEMBLY • SECTION N

PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
PH-7012-A	Record Counter Assembly	PH-5611	Counter Side Stud
PH-5601	Counter Disc	PH-7013-A	Return Stop Bracket Assembly
PH-5603	Counter Disc Stop	PH-5623	Spring
PH-5605	Counter Return Stop		

• CASH BOX ASSEMBLY • SECTION P

PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
12232-A	Cash Box Housing Assembly	ST-7342	Cash Box Lock and Latch
12233-A	Cash Box Assembly		

• WIRING • SECTION R

PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
12242-A	Power Distribution Panel Assembly (<i>Complete</i>)	PH-3722	Four Prong Female Socket
12243-A	Power Distribution Chassis and Socket Riveting Assembly	PH-3740	Five Prong Female Socket
11606-A	Power Distribution Cable Assembly (<i>Complete</i>)	11929	Fifteen Watt Ballast
11978	S.P.D.T. Switch	11980	Twenty Watt Ballast
11979	D.P.D.T. Switch (<i>Slide Type</i>)	11551	Transformer
PH-3002	S.P.S.T. Switch	ST-3092	Ten Ampere Fuse
PH-3270	Two Prong Female Socket	11552	Six Ampere Fuse
11559	Three Prong Female Socket	PH-3523	Three Ampere Fuse
		11556	Starter for Fluorescent Light (<i>15W</i>)
		11558	Socket for Fluorescent Light Starter

LISTING OF PARTS NUMERICALLY

PART NO.	DESCRIPTION	SECTION	PART NO.	DESCRIPTION	SECTION
PH-134	Pulley (<i>Driven</i>).....	E	PH-3685-5	Power Transformer.....	C
PH-141-1	Worm Gear.....	E	PH-3686-2	Dual Volume Control 2 Meg. (50,000 <i>Ohm</i>).....	C
PH-142	Worm Bearing.....	E	PH-3695	Pickup Cartridge (<i>L-21</i>).....	J
PH-187	Spring.....	J	PH-3704	Jack Plug.....	G
PH-206-2	Selector Cam Gear Casting (<i>See No.</i> <i>11646-A</i>).....	E	PH-3717	Pickup Cord.....	J
PH-233-2	Record Trip Lever.....	J	PH-3722	4 Prong Female Socket.....	D-R
PH-335	Spring.....	J	PH-3723-2A	Speaker Terminal Strip Assembly....	C
PH-398-A	Trip Dog Assembly.....	J	PH-3725	Extra Speaker Control (<i>L-Pad</i>).....	C
PH-405-A	Trip Dog and Bracket Assembly....	J	PH-3723	8 Prong Socket Red.....	C
PH-406-A	Trip Dog Bracket and Pin Assembly..	J	PH-3733	6 Prong Socket.....	K
PC-453	Resistor.....	G	PH-3740	5 Prong Female Socket.....	D-R
PH-1002-3	Tray Unlocking Cam.....	F	PH-3776	6J5G Tube Socket.....	C
PH-1009-2	Tray Driver Adjusting Cam Casting..	F-H	PH-3874	Porcelain Shell Socket.....	B
PH-1020	Selector Slide Stop Dog.....	F	PH-3879	5 Wire Ratproof Cable (<i>100 Ft.</i>)....	
PH-1042	Tone Arm Bearing Spacer.....	J	PH-4041	Connecting Link Stud.....	F
PH-1052	Selector Slide Stop Dog Pin.....	F	PH-4302	Spring.....	E
PH-1072	Roller Bracket Stud.....	H	PH-4326-1	Power Motor (<i>Emerson</i>).....	E
PH-1086	Record Tray Dog Stud.....	H	PH-4343	Selector Slide Stop Spring.....	F
PH-1092	Selector Cam Gear Pin.....	E	PH-4353	Selector Slide Stop Pivot Stud.....	F
PH-1127	Spring.....	F	PH-4354	Selector Slide Stop Cam Roller Stud..	F
PH-1195	Selector Cam Gear Roller Stud.....	H	PH-4355	Selector Slide Stop Cam Roller.....	F
PH-1196	Selector Cam Gear Roller.....	H	PH-4356-1	Selector Slide Stop Retaining Stud...F	
PH-1299	Sheets of Program Strips.....		PH-4358	Selector Slide Guide.....	F
PH-1315	Auxiliary Roller.....	E	PH-4731	Connecting Link Stud—Lower.....	F
PH-1561-A	Selector Cam Gear Collar Assembly...E		PH-4738	Selector Cam Washer.....	E
PH-3002	Main Toggle Switch.....	D-L-R	PH-5006-1	Follow Cam.....	E
PH-3005	25,000 Ohm Resistor ½ Watt.....	C	PH-5007-3	Turntable Cam.....	E
PH-3011	.01 Mfd. 400 Volt Condenser.....	C	PH-5009	Lift Arm Slide Guide.....	E
ST-3059	Lamp (<i>28 Volt</i>).....	B	PH-5018	Connecting Link—Small.....	F
ST-3092	10 Amp. (<i>Main</i>) Fuse.....	D-R	PH-5019	Connecting Link—Medium.....	F
PH-3094	.004 Mfd. 400 Volt Condenser.....	C	PH-5020	Connecting Link—Long.....	F
PH-3102	.02 Mfd. 400 Volt Tubular Condenser..C		PH-5034	Cam Spacer Stud.....	E
PH-3107	25W 120V Frosted Lamp.....	B	PH-5080-2	Tone Arm Base.....	J
PH-3117	250,000 Ohm ½ Watt Resistor.....	C	PH-5356	Volume Control Key.....	J
PH-3123	7½ W. 120 V. White Lamp.....	B	ST-5412	Front Door Support Roller (<i>See No.</i> <i>12471-A</i>).....	
PH-3161	Tube Socket 5U4G.....	C	PH-5601	Counter Disc.....	N
PH-3162	Tube Socket 6L6G.....	C	PH-5603	Counter Disc Stop.....	N
PH-3164	5 Prong Socket "SPK".....	C	PH-5605	Counter Return Stop.....	N
PH-3165	4 Prong Socket "PU".....	C	PH-5606	Counter Pawl.....	F
PH-3173	1,000 Ohm 10 Watt Resistor.....	C	PH-5611	Counter Side Stud.....	N
PH-3177	50 Mfd. 50 Volt Condenser.....	C	PH-5623	Spring.....	N
PH-3190	5U4G Tube.....	C	PH-5624	Counter Pawl Spring.....	F
PH-3191	6L6G Tube.....	C	PH-5625	Counter Pawl Spring.....	F
PH-3270	2 Prong Female Socket.....	D-R	PH-5628	Pawl Pivot Stud.....	F
PH-3505	6J5G Tube.....	C	PH-5629	Pawl Safety Spring Stud.....	F
PH-3508	5,000 Ohm Resistor ½ Watt.....	C	PH-5998-A	Selector Slide Guide Assembly.....	F
PH-3511	.0075 Mfd. 1600 V. Condenser.....	C	PH-6000-1	Tray.....	H
PH-3514	.0005 Mfd. 400 Volt Condenser.....	C	PH-6001	Tray Unlocking Arm.....	F
PH-3523	3 Amp. Cartridge Fuse.....	C-D-R	PH-6004	Record Tray Dog.....	H
PH-3535	2,500 Ohm Resistor ½ Watt.....	C	ST-6005	Caster.....	A
PH-3543	Tone Arm Micro Switch.....(<i>N. C.</i>)	J-L	PH-6005	Tray Support Disc.....	H
PH-3544	Power Motor Micro Switch (<i>N. O.</i>)..E-L		PH-6006-C	Support Disc Comb.....	H
PH-3584	Plug (<i>4 Prong Male</i>).....	B	PH-6007	Tray Support Disc.....	G
PH-3593	5 Prong Male Plug.....	B	PH-6009	Tray Driver Shaft Retainer.....	H
PH-3680-1	Bass Control (<i>50,000 Ohm</i>).....	C	PH-6010-1	Tray Base Support Casting.....	H
PH-3681-1	Treble Control (<i>100,000 Ohm</i>).....	C	PH-6011	Tray Driver Set Screw.....	H
PH-3682-1	Filter Choke.....	C	PH-6017	Worm Gear Spacer.....	E
PH-3683	Output Transformer.....	C	PH-6019	Turntable Shaft Washer.....	E
PH-3684-1	Input Transformer.....	C			

LISTING OF PARTS NUMERICALLY

PART NO.	DESCRIPTION	SECTION	PART NO.	DESCRIPTION	SECTION
PH-6020	Lift Arm Pivot Bracket.....	E	PH-7603-A	Coil Plunger Spring Retainer Assy....	F
PH-6021	Shaft Return Clamp.....	E	PH-7635-A	Selector Slide Shaft Assembly.....	F
PH-6022	Slide Mounting Arm.....	E	PH-7707-A	Tone Arm Pickup Cord Assembly....	J
PH-6023	Turntable Lift Roller.....	E	PH-7723-1A	Tone Arm Pivot Screw Assembly....	J
PH-6027	Pivot Bracket Stud.....	E	PH-7724-A	Tone Arm Insulating Wire Assembly..	J
PH-6032-1	Turntable Lift Arm.....	E	PH-8305-A	Amplifier Speaker Plug and Wire Assembly.....	C
PH-6033	Turntable Lift Roller Screw.....	E	PH-8318-1A	Cancel Plate Assembly.....	F
PH-6034	Lift Arm Pivot Stud.....	E	PH-8343-A	Worm Bearing Casting Assembly....	E
PH-6036	Lift Arm Spring.....	E	PH-8384-A	Pickup Shorting Switch Assembly....	J-L
PH-6046-1	Tone Arm.....	J	ST-9013	Door Button.....	
PH-6049	Tone Arm Pivot Screw.....	J	10461	Spring Stud.....	E
PH-6053	Tone Arm Adj. Brkt. Clamp Screw...J		10471	Turntable Adjusting Spring.....	E
ST-6053	Caster Socket.....	A	10487	Coil Spring.....	G
PH-6059	Reject Switch Stop Pin.....	J	10489	Interlock Reset Switch.....	L
PH-6084	Tone Arm Lever.....	E	10534-1	A.C. Rip Cord & Male Plug, 24".....	
PH-6085	Tone Arm Push Rod Stud.....	E	10540	.04 Mfd. 400 Volt Condenser.....	C
PH-6089	Reject Lever.....	E	10574	24 Prong Plug.....	
PH-6095	Reject Lever Stud.....	E	10575	24 Prong Socket.....	
PH-6096	Tone Arm Push Rcd.....	E	10593	Short Coil.....	G
PH-6098	Tone Arm Mtg. Stud.....	E	10644	Escapement Lever.....	G
PH-6099	Tone Arm Lever Pivot Stud.....	E	10645	Reset Lever.....	G
PH-6154	Automatic Selector Shelf Stud.....	F	10646	5c Ratchet.....	G
PH-6170	Tone Arm Insulator.....	J	10647	10c Ratchet.....	G
PH-6183	Tone Arm Pushout Spring.....	J	10648	25c Ratchet.....	G
PH-6184	Tone Arm Latch.....	J	10651	Motor Belt (<i>Large</i>).....	E
PH-6185	Tone Arm Latch Stud.....	J	10674	5c Coin Trip Lever.....	G
PH-6196	Micro Switch Lever Pin.....	E-J	10675	10c Coin Trip Lever.....	G
PH-6208	Floating Plate Washer.....	C	10676	25c Coin Trip Lever.....	G
PH-6214	Tray Dog Spring.....	H	10680	Tie Bar.....	G
PH-6225	Selector Slide Return Spring.....	F	10681	Coin Chute Plate Spacer.....	G
PH-6230	Tone Arm Latch Spring.....	J	10683	Coin Lever Shaft.....	G
PH-6231	Extension Spring.....	E	10685	Stop Pin.....	G
PH-6232	Extension Spring.....	E	10686	Escapement Pawl.....	G
PH-6233	Tone Arm Micro Switch Spring.....	E-J	10687	Kicker Coil Armature.....	G
PH-6245	Pickup Mtg. Screw.....	J	10688	Pawl Retainer.....	G
PH-6280	Cancel Dog.....	F	10689	Pawl Extension.....	G
PH-6599	Lift Arm Spring Pin.....	E	10690	Armature Pawl.....	G
PH-6608	Cancel Plate Spring Stud.....	F	10706	Compression Spring.....	J
PH-6680	Pickup Shorting Switch.....	J-L	10713	25c Coin Chute.....	G
PH-6804	Selector Solenoid Coil.....	F-G	10714	10c Coin Chute.....	G
PH-6805	Switch Plate Spring.....	F	10715	5c Coin Chute.....	G
PH-6806	Selector Key Spring (<i>Coil Bank</i>)....F		10723	Ratchet Switch Stud Bushing.....	G
PH-6807	Plunger Spring (<i>Coil Bank</i>).....	F	10724	Ratchet Switch Stud.....	G
PH-6811-1	Coil Plunger.....	F	10725	Escapement Lever Spacer (<i>Inside</i>)...G	
PH-6830-1	Selector Key (<i>Coil Bank</i>).....	F	10730	Escapement Lever Spacer (<i>Outside</i>)..G	
PH-6846	Record Reject Plunger.....	E	10731	Coin Lever Spacer (<i>Outside</i>).....	G
PH-6980	Tray Driver Set Screw.....	H	10732	Coin Lever Spacer (<i>Inside</i>).....	G
PH-7012-A	Record Counter Assembly.....	B-N	10733	Coin Switch.....	L
PH-7013-A	Return Stop Bracket Assembly.....	N	10734-A	Escapement Lever and Tie Bar Assembly.....	G
PH-7036-A	Tone Arm Insulation Assembly.....	J	10735-A	Ratchet Mtg. Plate, Lever & Relay Assembly.....	G
PH-7111-A	Casting and Bushing Assembly.....	E	10737-A	5c Ratchet and Hub Assembly complete.....	G
PH-7167-A	Reject Lever Assembly.....	E	10738-A	10c Ratchet and Hub Assembly.....	G
PH-7282-A	Tone Arm Pivot Bracket and Shaft Assembly.....	J	10739-A	25c Ratchet and Hub Assembly.....	G
PH-7295-A	Micro Switch Lever Assembly.....	E-J-L	10757-A	3 Unit Slug Rejector Assembly.....	G
PH-7333	Pickup Needle Screw.....	J	10760	Kicker Coil (<i>14 Ohm</i>).....	G
ST-7342	Cash Box Lock and Latch.....	P	10764-A	Accumulator Reset Relay.....	G
ST-7349-1	Front Door Lock and Key (<i>D-032</i>) less Latch.....		10770	Pivot Stud.....	G
	Latch only for ST-7349-1.....	B	10786-A	Armature and Retainer Assembly....	G
ST-7350-1	Back Door Lock and Key (<i>D-032</i>) less Latch.....		10800	Double Shoulder Stud.....	F
	Latch only for ST-7350-1.....		10802	Tray Unlocking Arm Plate.....	F
	Key only (<i>D-032</i>).....		10826-A	25c Coin Chute Assembly.....	G
	Key only (<i>G-451</i>).....		10827-A	5c and 10c Coin Chute Assembly....	G
PH-7438	Tray Driver Spring.....	H	10858	Extension Spring.....	F
PH-7474	Coin Lever Stud.....	F			

LISTING OF PARTS NUMERICALLY

PART NO.	DESCRIPTION	SECTION	PART NO.	DESCRIPTION	SECTION
10859	1 Meg Ohm ½ Watt Resistor.....	C	11604-A	Connecting Link Guide Assembly (Complete).....	F
10890	12 Lug Terminal Strip.....	D	11606-A	Power Distribution Cable Assembly (Complete).....	D-K
10897	5c and 25c Lever Spring.....	G	11608	Tray Support.....	H
10898	10c Lever Spring.....	G	11609	Turntable Micro Switch (S.P.D.T.)..	E-L
10899	Escapement Lever Spring.....	G	11617	Switch Timing Disc.....	E
10900	Retain Lever Spring.....	G	11618	Switch Timing Disc Plate.....	E
10901	Tension Spring.....	G	11619	Tone Arm Reset Lever.....	E
10902	Ratchet Tension Spring.....	G	11621	Tone Arm Reset Lever Assembly.....	E
10925	12 Lug Connecting Strip.....		11622	Chassis Mtg. Spring (Upper) Rear...E	
10936-1	Index Elevator Casting.....	F	11632	Cam Shaft.....	E
10937-1	Reset Pawl.....	F	11634-A	Tray Unlocking Cam Assembly.....	F
10938	Index Elevator Pawl.....	F	11635	Numeral Clips.....	H
10939	Index Elevator Pawl Stud.....	F	11636-A	Tray Stack and Driver Assembly.....	H
10940	Index Elevator Pawl Spring.....	F	11642	Auxiliary Roller Stud.....	E
10941	Reset Pawl Stud.....	F	11643	Tone Arm Return Roller Stud.....	E
10943	Reset Pawl Spring.....	F	11644	Roller Bracket Stud.....	E
10964-A	Long Coil Plunger Assembly.....	G	11646-A	Selector Cam and Roller Assembly...E	
10965-A	Short Coil Plunger Assembly. (See No. 12459-A).....	G	11647-A	Lift Cam Assembly.....	E
10967	Blade Switch.....	G	11648-A	Selector Cam & Lift Assembly.....	E
11309	Coin Release Lever Spring.....	G	11649	Upper Link Stud.....	F
11324	Reset Dog.....	F	11654	Index Elevator Roller Stud.....	F
11340	Torsion Spring.....	F	11655	Index Elevator Stop Roller.....	F
11342	Reset Dog Shaft.....	F	11656 A	Elevator Cam Roller & Bracket Assembly.....	F
11399	Accumulator Spring.....	G	11663 A	Tone Arm Switch Bracket Assembly..J	
11500	Record Cover.....	H	11668 A	Index Elevator Assembly Complete...F	
11501	Motor Pulley.....	E	11669	Stud.....	F
11502	Tray Release.....	H	11670-A	Selector Slide Guide Assembly Right.F	
11503-A	Tone Arm Base and Pin Assembly....J		11671	Index Elevator Shaft.....	
11504-A	Tone Arm Base Assembly.....	J	11672 A	Bracket and Coil Assembly.....	F
11511	Tray Driver Bushing.....	H	11673	6 Prong Male Plug.....	G
11512	Tray Release Screw.....	H	11676	Tray Stop.....	H
11513	Tray Release Spring.....	H	11677 A	Tone Arm Base, Pivot Bracket & Shaft Assembly.....	J
11514	Tray Shaft (See No. 12362).....	H	11678	Tone Arm Pivot Screw.....	J
11517-A	Selector Key Switch Plate Assembly (See No. 12560-A).....	F	11680 A	Tone Arm & Wiring Assembly.....	J
11519-A	Tray Driver Adj. Cam Assembly....H		11693-A	Tray Release Cap Assembly.....	H
11521-A	Tray Driver Assembly Complete....H		11697-A	Cam Shaft Support and Switch Assembly.....	E
11522	Selector Slide Lift Bkt.....	F	11698-A	Cam Shaft Support Assembly Complete.....	E
11523	Selector Slide Casting.....	F	11699-A	Master Switch Lever Assembly.....	E-L
11531	"Thank You" Glass Holder (See No. 12440).....	A	11806	Turntable Washer.....	E
11532	"Thank You" Glass Holder Lock Clip.B		11810	Spring Clamp Handle Stud.....	E
11533	"Thank You" Glass.....	A	11819-A	Ratchet Disc Assembly Complete...J	
11534	Program Holder Bkt. & Socket (See No. 12442).....	B	11821-A	Turntable Assembly.....	E
11538	Selector Key Button.....	K	11822-A	Coil Bank Assembly.....	F
11541	Counter Drive Stud.....	A	11823-A	Coil Bank and Selector Assembly...F	
11543	Counter Cable.....	E	11824	Reject Rod Support.....	E
11548-A	Turntable Lever Assembly Complete..E		11827	Speaker (See No. 12457 P.M. Speaker).....	C
11551	Transformer.....	D-R	11836-A	Ratchet Mtg. Plate and Resistor Assembly.....	G
11552	6 Amp. Fuse.....	D-R	11838-A	Spring Clamp Handle Assembly.....	E
11555	Fuse Holder.....	D	11846	Blade Switch.....	G-L
11556	Starter for Fluorescent Light (15 Watt).....	D-R	11892	Fluorescent Light Lampholder.....	B
11558	Socket for Fluorescent Light Starter..D-R		11896	Duplex A. C. Outlet.....	B
11559	3 Prong Female Socket.....	D-R	11899	Front Door Color Cylinder Motor (L.H.).....	B
11562	Tray Driver.....	H	11903	Fluorescent Tube (15W) (Obtain Locally).....	A
11563	Tone Arm Push Rod Slide Stud.....	E	11929	15 Watt Ballast.....	D-R
11570-A	Reset Pawl and Dog Assembly.....	F	11935-A	"Thank You" Glass and Holder Assy. (See No. 12439-A).....	
11579	200 Ohm Relay (3 Blade Switch)..C				
11580	Connecting Link Small Inside.....	F			
11585-A	Mechanism Cable Assembly.....	E			
11586	3 Prong Male Plug and Shell.....	E			
11587-A	Mechanism Cable and Shell Assembly				
11594-A	Socket Mtg. Plate Assembly.....	B-K			
11603-A	20 Key Switch & Cable Assembly....K				

LISTING OF PARTS NUMERICALLY

PART NO.	DESCRIPTION	SECTION	PART NO.	DESCRIPTION	SECTION
11938	Record Support Disc (See No. 12427-A)	H	12080	Grille Cloth	A
11939	Constant Speed Motor	E	12081	Grille Screen	
11941-A	Record Trip Lever Assembly	J	12082-A	Door Pilaster Inside Reflector Assembly (R.H.)	B
11942-A	Record Disc Grommet	H	12083-A	Door Pilaster Inside Reflector Assembly (L.H.)	B
11945-A	Selector Assembly Complete	F	12087-A	Program Holder Front with Select Glass Assembly	A
11946-A	Selector Slide and Cancel Plate Assy.	F	12088-A	Program Holder Front Assembly	A
11948-A	Selector Slide Assembly	F	12091-A	Program Holder (Rear) Spring Lock Assembly	B
11950-A	Tray Unlocking Arm Assembly Complete	F	12095	Rear Top Ventilating Screen	
11954	Coin Chute Top	G	12096	Front Door Ventilating Screen	
11955	Key Plate	A	12097	Back Door Bottom Ventilating Screen	B
11959	Turntable Shaft	E	12098	Inside Top Trim (R.H.)	B
11965-A	Support Angle & Bracket Assembly (R.H.)	E	12200	Cabinet Background	B
11966-A	Support Angle & Bracket Assembly (L.H.)	E	12203	Reject Key Bracket	
11967	16 Mfd. Filter Condenser (Plug in Type)	C	12204	Grooved Double Shoulder Stud (long)	G
11968	Front Tie Rod	E	12205	Grooved Double Shoulder Stud (short)	G
11970	8-8-8 Filter Condenser (Plug in Type)	C	12206	Coin Release Lever Stud	G
11972	Reject Connecting Link	G	12211	Accumulator Mounting Bracket	
11975	Bent Coin Release Lever Roller Stud	G	12217	Interlocking Switch Assembly	G
11976	Bent Coin Release Lever Stop Roller	G	12219	Coin Return Cup	B-M
11978	S.P.D.T. Switch	D-L-R	12220-A	Coin Mechanism and Accumulator Assembly	G
11979	D.P.D.T. Switch (Slide Type)	D-L-R	12222-A	Coin Connecting Link Assembly	G
11980	20 Watt Ballast	D-R	12224-A	Coin Return Link and Roller Assembly	G
11981	Reject Rod	E	12226-A	Bent Coin Release Lever Assembly	G
11982	Mechanism Mounting Plate	E	12227-A	Coin Mechanism Cable and Plug Assembly	G
11985	Slug Chute	G	12228-A	Coin Mechanism Cable Assembly	G
11987-A	Cabinet Light Assembly	B	12232-A	Cash Box Housing Assembly	P
11989-A	Center Cylinder Pivot and Stud Assembly	B	12233-A	Cash Box Assembly	P
11995	Front Door Color Cylinder Motor (R.H.)	B	12234-A	Lower Coin Chute and Cover Assembly	M
12027-A	Color Cylinder Assembly (Side—R.H.)	B	12238-A	Model "0" Amplifier (Without Tubes) Assembly	C
12028-A	Color Cylinder Assembly (Side—L.H.)	B	12242-A	Power Distribution Panel Assembly Complete	D-L
12032-A	Side Color Cylinder Cable & Bracket Assembly (R.H.)	B	12243-A	Power Distribution Chassis & Socket Assembly	D-L
12035-A	Fluorescent Side Cylinder Bracket Assembly (R.H.)	A	12246	Front Door Roller Guide	
12039-A	Side Color Cylinder Cable & Bracket Assembly (L.H.)	B	12249-A	Fluorescent Side Cylinder Bracket Assembly (L.H.)	B
12042-A	Program Light Assembly Complete	B	12252	Chassis Mtg. Spring (Upper) Front	E
12043-A	Program Light Cable Assembly	B	12263-A	Tone Arm Adj. Bracket & Spring Assembly	J
12044-A	Color Cylinder Assembly (Center—L.H.)	B	12264	Cap Top Support Rib	A
12045-A	Color Cylinder Assembly (Center—R.H.)	B	12267	Cap Side Support Rib—(R.H., Metal)	A
12052	Cylinder Drive Spring	B	12268	Cap Side Support Rib—(L.H., Metal)	A
12053	Fluorescent Tube (20 Watt)	A	12270	Top Center Catalin	A
12059-A	Rock-Ola Escutcheon & Plastic Assembly	B	12271	Catalin Cap (Left Hand)	A
12060	Rock-Ola Escutcheon Only		12272	Left Top Half Pilaster	A
12061	Top Metal Moulding	A	12273	Left Bottom Half Pilaster	A
12062	Side Metal Moulding	A	12274	Catalin Cap (Right Hand)	A
12064-A	Reject Key Bracket Assembly	B	12275	Right Top Half Pilaster	A
12065	Reject Key Shaft	A	12276	Right Bottom Half Pilaster	A
12066	Coin Release Spring	A	12278	Tone Arm Counter Weight	J
12067	Front Door Glass	B	12279-A	Tone Arm Weight Assembly	J
12068-A	Locking Lever Assembly	A	12281-A	Selector Lift Slide and Stud Assembly	F
12073	Upper Right Grille	A	12282-A	Selector Lift Roller Bracket Assembly	F
12074	Upper Left Grille	A	12284	Selector Lift Roller Stud	F
12075	Lower Right Grille	A	12285	Selector Lift Roller	F
12076	Lower Left Grille	A	12286	Selector Lift Slide	E
12078	Grille Cellulose Acetate	A	12288	Connecting Link Assembly Complete	F
12079-A	Grille Screen Assembly	B	12289	Lift Arm Slide Roller	E
			12290	Slide Roller Pin	E

LISTING OF PARTS NUMERICALLY

PART NO.	DESCRIPTION	SECTION	PART NO.	DESCRIPTION	SECTION
12291	Lift Arm Slide Roller Stud.....	E	12427-A	Record Support Disc Assembly.....	H
12292	Mounting Arm Pin.....	E	12440	"Thank You" Glass Holder.....	A
12293	Selector Lift Roller Assembly.....	E	12442	"Thank You" Lamp Socket & Bracket	K
12295	Cap Moulding (<i>Metaf</i>).....	A	12443	Chassis Mtg. Spring (<i>Lower</i>).....	E
12297	Plastic Catalin Support Strip.....	A	12447	Micro Switch (<i>Normally Open</i>).....	D-L
12300	Record Trip Return Lever.....	J	12457	P.M. Speaker.....	B-C
12302	Ratchet Disc Record Trip.....	J	12458	"Thank You" Glass Gasket.....	A
12312	Counter.....	E	12459-A	Short Coil Plunger Assembly.....	G
12313-A	Counter Cable Assembly.....	E	12471-A	Bkt. & Roller Assembly (<i>Front Door</i>)	A
12314-A	Counter & Bracket Assembly.....	E	12472-A	Center Color Cylinder Cable & Bkt.	
12317	Phonograph Needle.....	J		Assembly.....	B
12335-A	Front Door Grille Assy. Complete....		12474	Tray Unlocking Arm Plate.....	F
12336	Russell Power Motor.....	E	12476	Reset Pawl Guide Stud.....	F
12337-A	Background Reflector & Flexglass		12478-A	Tray Unlocking Arm Assembly	
	Assembly (<i>large</i>).....	B		Complete.....	F
12338-A	Background Reflector & Flexglass		12483	Decal (<i>1 for 10c—3 for 25c</i>).....	
	Assembly (<i>small</i>).....	B	12484	Anti Cheat Device.....	
12361	Motor Condenser (<i>5 Mfd. 330 V.A.C.</i>)	E	12487	Throw Spring.....	
12362	Tray Shaft.....	H	12486	Micro Switch (<i>V3-8</i>).....	
12374	Index Elevator Pawl Stud.....	F	12503	Fluorescent Socket.....	B
12379	Cancel Plate Spring.....	F	12512-A	End Cylinder Bkt. & Motor Mtg.	
12384	Back Door Top Ventilating Screen...B			Assembly (<i>R.H.</i>).....	B
12385-A	Cable & Plug Assembly for Kit No. 1.		12513-A	End Cylinder Bkt. & Motor Mtg.	
12388	Inside Top Trim (<i>L.H.</i>).....	B		Assembly (<i>L.H.</i>).....	B
12407-A	Cable & Plug Assembly for Kit No. 2.		12514-A	Switch & Spring Assembly.....	
12408-A	Cable & Plug Assembly for Kit No. 3.		12560	Selector Key Switch Plate Assembly..F	
12416-A	Program Light Bkt. Assembly (<i>R.H.</i>)	B	20198M	Front Door Frame.....	
12417-A	Program Light Bkt. Assembly (<i>L.H.</i>)	B	20208	Glass Moulding.....	
12421	Glass Retainer Top.....		20292	Front Door Center Grille (<i>Wood</i>)...A	
12422	Glass Retainer Bottom.....		20322	Catalin Block.....	
12423	Inside Cleat Trim.....	B			

*PLEASE NOTE.....
NO SERVICE MANUAL WAS PRODUCED FOR THE
1424,1426,1428.THE 1422 MANUAL IS USED FOR ALL
THESE MACHINES AS THERE ARE ONLY SLIGHT
CHANGES IN EACH MODEL...*

ROCK-OLA SERVICE MANUAL

FOR PHONOGRAPH MODEL 1422

An Explanation with Illustrations

of the

OPERATION, DESCRIPTION OF PARTS AND
ADJUSTMENT OF THE VARIOUS ASSEMBLIES

Also, a useful

LISTING OF PARTS BY ASSEMBLIES AND
LISTING OF PARTS—NUMERICALLY



ROCK-OLA

MANUFACTURING CORPORATION

800 NORTH KEDZIE AVENUE • CHICAGO 51, ILLINOIS, U. S. A.

Foreword

In the preparation of this manual extensive research work was necessary in order to cover every phase of operation of Rock-Ola equipment. This manual was planned by the Service Department to present the service man with a guide so that he may better understand and maintain the Rock-Ola phonograph and to present this material as briefly and clearly as possible.

In order to achieve this end a concise outline of the cycle of operation is given, citing only essential operations. This outline is then enlarged upon in the discussion of the operation of the parts and necessary adjustments.

Pictures, accompanied by pertinent information, part numbers and descriptions, are woven into this discussion in order to alleviate any unnecessary effort on the reader's part.

We hope that in presenting the manual in this manner, the service man may find the answer to his problem with a minimum of time and effort.

Your comments and suggestions toward the improvement of this manual will be appreciated.

Rock-Ola maintains a distributor in every part of the country for your convenience. Your distributor has a complete parts and service organization which will give prompt attention to all your problems. This affords an efficient method of handling your requirements and cuts down the tremendous transportation costs, as bulk shipments can be made to the distributor and needless delays will be avoided.

It is important that the serial number of the phonograph be given when ordering parts or requesting information. Use part numbers and the proper description for all references. When outlining a problem, give a full report, the slightest detail may be most important.

NOTICE

The right is reserved to improve, change, or alter, any or all products (including equipment) without notice.

ROCK-OLA MANUFACTURING CORPORATION

TABLE OF CONTENTS

SECTION I—OPERATION AND ADJUSTMENTS

	<i>Page</i>
Installation	6
Cycle of operation	7
Accumulator assembly	7-8
Coil bank assembly	9
Selector assembly	10-11
Tray stack and driver assembly	12-13
Turntable cam and lift assembly	14
Shaft support and micro switch assembly	14
Motors	15
Tone arm base assembly	16
Tone arm assembly	17
Amplifier	18
Power distribution panel	19

SECTION II—PARTS LISTING

Parts index	20
Listing of parts by assemblies	21-25
Listing of parts numerically	26-30

SECTION III—WIRING DIAGRAM

Phonograph (Schematic drawing)	Insert
--	--------

ILLUSTRATIONS

1. Front door assembly	4
2. Phonograph (interior view)	5
3. Lighting assembly	6
4. Tray release	6
5. Accumulator assembly	7
6. Accumulator lever	8
7. Debit relay	8
8. Master switch and ratchet	8
9. Interlocking switch assembly	9
10. Coil bank (top view)	9
11. Coil bank assembly (front view)	9
12. Selector assembly (back view)	10
13. Selector assembly (front view)	10
14. Selector slide assembly (front view)	11
15. Selector slide assembly (back view)	11
16. Index elevator assembly	11
17. Tray stack assembly	12
18. Tray driver	12
19. Tray stack and driver (Schematic drawing)	13
20. Turntable cam and lift assembly (side view)	14
21. Turntable cam and lift assembly (top view)	14
22. Cam shaft support assembly	14
23. Turntable and motor assembly	15
24. Power motor	15
25. Worm and bearing assembly	15
26. Tone arm base assembly (side view)	16
27. Tone arm base assembly (lower view)	16
28. Tone arm base assembly (bottom view)	16
29. Tone arm and wiring assembly	17
30. Amplifier (top view)	18
31. Amplifier (bottom view)	18
32. Power distribution panel (top view)	19
33. Power distribution panel (bottom view)	19