

# WURLITZER



## SERVICE INSTRUCTIONS AND PARTS CATALOG

MODEL  
1100

COMMERCIAL PHONOGRAPH DIVISION

*The* RUDOLPH WURLITZER COMPANY  
NORTH TONAWANDA, NEW YORK

MADE IN U.S.A.

## *Wurlitzer Proudly Presents*

A great new phonograph—the Model 1100—strikingly designed, beautifully illuminated, incorporating a host of new innovations to attract the attention—and the coins—of location goers. But the beauty of the Model 1100 is much more than skin deep. From coin mechanism to sound system you will find dozens of new features designed to assure long, trouble-free operation, to knock-down operating costs, and to cut the time required for servicing. The information contained in this manual is presented to help you get acquainted with these new features as well as the over-all operation and maintenance of the Model 1100. We recommend that you read this manual carefully. It will help you make the most of the unequalled opportunity to cut costs and boost profits offered you in the Wurlitzer Model 1100.

NOTE:

DUE TO MOIRE PATTERNS, SOME

PAGES DID NOT SCAN WELL

THE MAIN PART OF THE MANUAL IS CLEAR

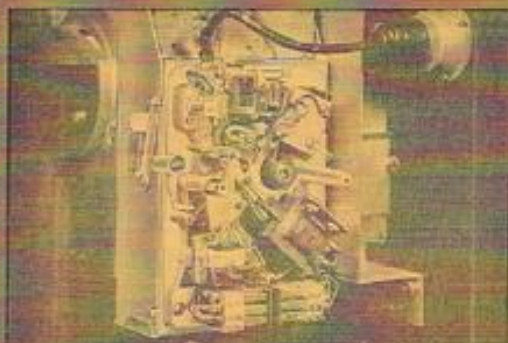


## Features of Model 1100



THREE POINT SUSPENSION

Wurlitzer's Model 1100 banishes the bogey of uneven floors once and for all. A caster under each front corner and a double caster centered in the rear together with easy-to-get-at, easy-to-operate leveling screws give a three-point adjustable suspension that accurately and permanently compensates for uneven floors. Saves you time and effort when you make an installation. Reduces service calls.



NEW COIN REGISTER MECHANISM

Mount on speaker door, slug rejector and coin register mechanism swing out in the open for servicing. Takes only the flip of a latch to remove units from mount . . . no tools required. New anti-cheat and coin return features. All-electrical coin registration. Smooth spring canceling decreases wear. These and other new features give you the most foolproof coin mechanism on the market and reduce your operating costs.



SUPERIOR CABINET CONSTRUCTION

Built for beauty and strength. Cabinet and door are metal framed for extra ruggedness. Light weight metal and plastic door with adjustable bracing hinged into metal. Back door opens by flicking a latch just inside front door. No reaching through chassis, no fussing with lock and key. Brilliant, changing color illumination at amazingly low wattage. Front door plastics are crystal clear . . . no paints to fade . . . Best time on any phonograph. Panoramic Sky-Top record changer window . . . a Wurlitzer exclusive . . . boots play.

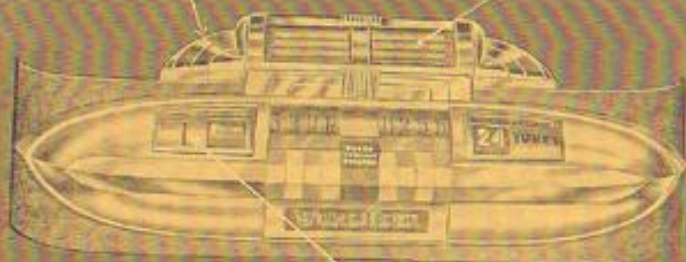


#### ACCESSIBLE SELECTOR SWITCHES

To remove the selector switch assembly on the Model 1100, you pull a plug, loosen two latches and it's out. Over three times faster than time it used to take.

#### REMOVABLE PROGRAM HOLDER

Lifts out in a jiffy. Takes individual title strips or 4-number multigraphed cards. You can remove old numbers, insert new ones, replace holder nearly twice as fast as on any other phonograph.



#### ENCORE PROGRAM SELECTOR

Divides 24 records into three programs of eight records each. Player makes selection from eight numbers showing on program holder. By pressing Master Key another program of eight different selections comes into view. Numbers and color above selectors for buttons change to match numbers and color on program holder. Combines action, color, illumination. Makes record selection fascinating, easier, more fun.

#### JAM-PROOF, 3-in-1 COIN ENTRY

Single 5, 10, 25c coin entry and coin back eliminates any possibility of coins jamming. Saves service calls. Promotes customer satisfaction.



## MODEL 1100 PHONOGRAPH

### SPECIFICATIONS

**DIMENSIONS:** 57 $\frac{1}{2}$ " high—30 $\frac{1}{2}$ " wide—27 $\frac{1}{4}$ " deep.

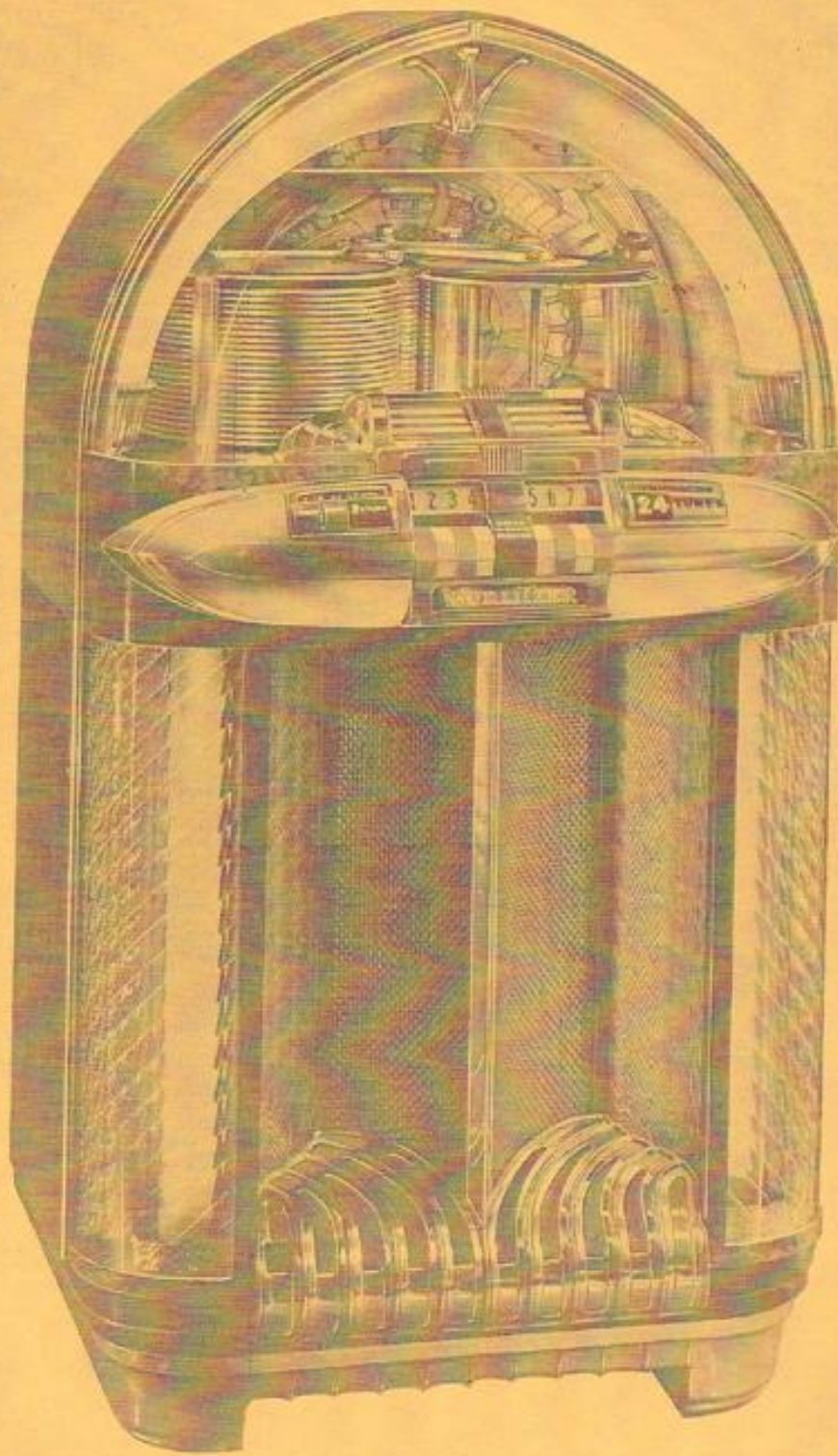
**WEIGHT:** 355 Lbs., Crated 412 Lbs.

**COIN EQUIPMENT:** Single Coin Entry—5-10-25c—Three-in-One Magnetic Slug Rejector. Positive Automatic Coin Return for Off-power conditions.

**RECORD CHANGER:** Floating Chassis—24 Records—Electric Selector—Instant Set Back Play Meter—Zenith Cobra Tone Arm.

**SOUND SYSTEM:** AMPLIFIER—Model 505. Tube Complement 1—6SN7GT, 2—6L6G, 1—5U4G, 1—6SJ7, 1—6J5. Pre-amplifier with 1—6SN7GT. Equipped with four-position fader switch and multi-matching speaker terminals. SPEAKER—15" Electrodynamic. Key-type volume control and dual tone control.

**WATTAGE:** Lighting 155—Complete Phonograph 400.







The Wurlitzer Encore Program Selector is the biggest play-booster ever introduced. It's streamlined, it's tricky, it's colorful. Twenty-four selections served up eight at a time. Phonograph fans get a big kick operating this selector. Makes for more interest in the phonograph, more coins in the cash box. Easy to service. Removable program holder for changing titles in a jiffy. The Encore Program Selector is another Wurlitzer first.



FASCINATING ENCORE PROGRAM SELECTOR

The Model 1100's Improved Sound System achieves new brilliance of tone, greater volume, and a wider frequency range than ever before. Amplifier has increased tube complement. It is equipped with fader and matching transformers for connecting auxiliary speakers. No additional kits are required to connect auxiliary units to phonograph. Amplifier is easy to service... no tools needed to release from mount.



IMPROVED SOUND SYSTEM

First time on any commercial phonograph. The amazing Zenith Cobra Tone Arm, with needle point pressure not more than 2/3 ounce, cuts record wear to a minimum, increases record life by astounding percentages, vastly improves reproduction. Retractable cartridge prevents damage to record or needle by dropping or scraping of tone arm on record. Moving or jolting phonograph can't injure record or needle. Here's where one of your biggest cost factors goes way, way down.



RADIONIC COBRA TONE ARM



## Improved Sound System



### RADIONIC COBRA TONE ARM

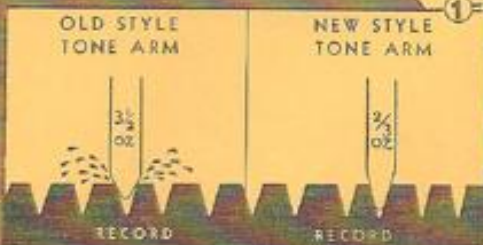
Totally unlike any other pickup. Contains no magnets, no fragile crystals. Its curved design provides maximum tracking efficiency from start to finish of a record. Its light weight minimizes record surface noise, greatly reduces record wear, and makes possible faithful reproduction of the finest modulations. It is the new way to play records—offered in a commercial phonograph for the first time by Wurlitzer.

### FEATURES

1. MINIMUM RECORD WEAR
2. MINIMUM PICKUP WEAR
3. RADIONIC PICKUP
4. FLOATING CHASSIS REDUCING MICROPHONICS
5. TURNTABLE STABILIZER

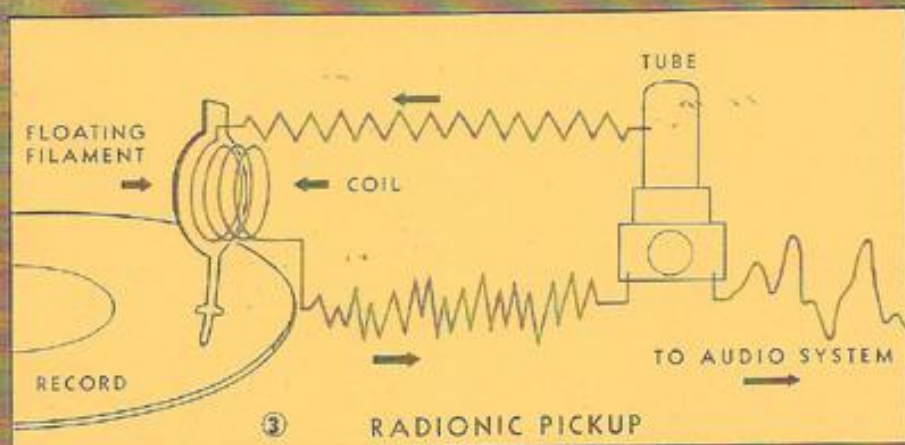
#### MINIMUM RECORD WEAR

The contact point of the Cobra Tone Arm is actually one end of a spring and its pressure on the record is less than 2 1/3 ounces. This light weight and flexibility cut record wear to a minimum. The average record used with the Cobra Tone Arm will have 95% fidelity after 2,000 plays—will still be suitable for secondary spots or for resale. The Cobra is scratch-proof, too. Its retractable cartridge protects your records from damage if the tone arm is accidentally dropped or scraped across them. No other pickup will give you these cost-cutting features.



#### MINIMUM PICKUP WEAR

The point of the Cobra pickup is made of osmium-iridium and will last more than 5,000 plays. Its retractable cartridge prevents damage to the pickup point. The Cobra pickup is unaffected by extreme temperatures or humidity. When you replace a Cobra cartridge you instantaneously bring the tone arm and pickup to the state of perfection it had when it left the factory. The Cobra gives you greater fidelity in reproduction at greatly lowered cost.

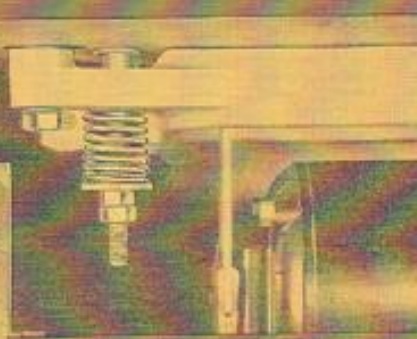


The Zenith Cobra Tone Arm introduces a new way to play records. Its heart is a replaceable plastic cartridge containing a floating filament and a small coil. A radio tube sends a regular broadcast beam to the coil. The motion of the floating filament riding in the record groove is

transmitted to a small vane near the coil. Movement of the vane affects the broadcast beam. The irregular waves of the modulated beam are then carried back to the tube, detected, amplified, and sent to the audio system.

#### 4 FLOATING CHASSIS

Spring-suspended floating chassis insulates record changer, turntable, and pickup against extraneous vibrations from motor, cabinet and other foreign sources thus reducing microphonics to a minimum.



#### 5 TURNABLE STABILIZER

This rigid metal arm anchored to the record stack acts as an additional bearing for the turntable shaft to assure greater fidelity of reproduction.



## New and Improved Cleared for Action Service

### TIME-SAVER REJECTOR MOUNT

Slug rejector mounted on speaker door swings into the open where adjustments can be made quickly, easily. To remove from mount just release one latch. No tools required. Actually 50% times faster than former methods.

### SINGLE PLUG CONNECTION

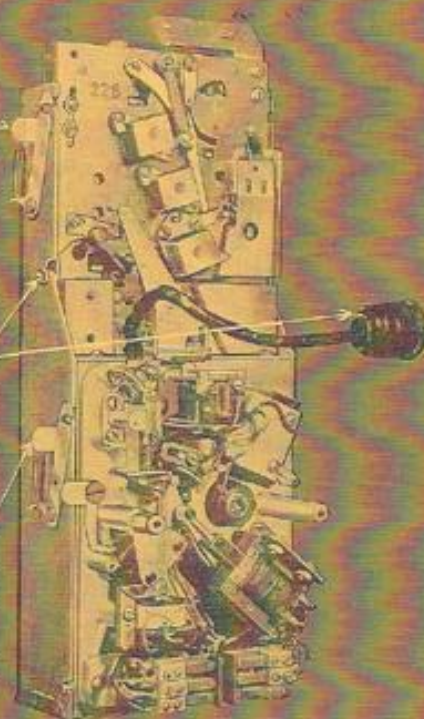
Coin mechanism has single plug connection to phonograph electrical system thanks to the Wurlitzer-originated junction box. To disconnect slug rejector and coin register mechanism for servicing just pull the plug.

### ECCENTRIC ALIGNMENT

Eccentric Adjusting cam permits exact alignment between slug rejector coin track and entrance of coin register mechanism.

### COIN REGISTER MECHANISM

Only two screws to remove to take off cover, a single latch to release to remove from mount. You can remove and replace unit and cover nearly 3 times faster.



### COIN MECHANISM

Wurlitzer's Model 1100 has the finest coin mechanism of any commercial phonograph on the market. New features include positive return of coins inserted when phonograph is turned off, positive return of coins inserted during process of previous coin registration, all-electrical coin registration, spring cancelling, anti-cheat devices, and exceptional service accessibility. Engineered to reduce your service and operating costs.