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SEEBURG
L. P. STEREO PHONOGRAPH, LPC480 AND LPC480R MODELS

SPECIFICATIONS

POWER REQUIREMENTS
120 volts a.c., 60 cycles

Phonograph with RCSUS:
Standby ........................................ 185 watts, 2.5 amp.
Operating ..................................... 285 watts, 3.0 amp.

CABINET LIGHTING
30-watt, 36 inch cool white fluorescent lamps
(FS-4 starter)

LID KEY NUMBER ................................ F-278
SELECT-O-MATIC MECHANISM ............. Type 13853
TORMAT MEMORY ASSEMBLY ............. Type 160TM2
RECORD TYPE ...... 33-1/3 & 45 rpm., 7-inch diameter
RECORD CAPACITY ...... 80 records (160 selections)
PICKUP ........ Seeberg Stereophonic High Fidelity
Magnetic with two (2) Diamond Styls.

PHONOGRAPH SPEAKERS
2 - 12-inch low frequency (with Type SN-7 Stereo Network)
2 - 5-inch high frequency
2 - 6 x 9-inch mid frequency

CABINET FINISH
High pressure Decarite Phenolic Laminated, oiled
plank cherry grain; choice of blue or tangerine
grilles.

ALBUM PRICING UNIT ...... Type APU2 (5-10-25-50)
ALBUM SCAN CONTROL ......................... Type ASC1
TRANSISTORIZED STEREO AMPLIFIER.. Type TSA1
TORMAT ELECTRICAL SELECTOR.. Type TES169-56
TORMAT CONTROL CENTER ............... Type TCC1
45 rpm. TRANSISTORIZED AUTO-SPEED UNIT
Type 45TASU1

REMOTE CONTROL STEPPER UNIT ...... Type RCSUS
(used on models with "R" suffix)

INCOME TOTALIZER UNIT
Type ITI-56 on LPC480 Models
Type IT1R-56 on LPC480R Models

FUSES
1 - 15 amp. (TORMAT Control Center)
1 - 3.2 amp. Slo Blo (Remote Control Stepper Unit)
1 - 5 amp. Pigtail (Select-O-Matic Mechanism)
1 - 8/10 amp. Slo Blo (Trans. Stereo Amplifier)
1 - ¾ amp. Slo Blo (Album Pricing Unit)
1 - 1/20 amp. Slo Blo (Album Pricing Unit)
1 - 6½ amp. (Power Junction Unit)

TRANSISTORS

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<tr>
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<tr>
<td>TSA1</td>
<td>1 - 6X4</td>
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<tr>
<td>45TASU1</td>
<td>2 - 0A2</td>
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<tr>
<td>4 - GC-114 PNP</td>
<td>2 - 2050</td>
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<tr>
<td>2 - GC-112A PNP</td>
<td>2 - 12AX7</td>
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<tr>
<td>2 - SC-385 PNP</td>
<td>RCSUS</td>
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<td>2 - GC-380 PNP</td>
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TUBES

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<td>1 - 6X4</td>
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<tr>
<td>2 - 0A2</td>
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<td>2 - 2050</td>
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<tr>
<td>2 - 12AX7</td>
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DIMENSIONS & WEIGHTS

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<th>Specification</th>
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<td>Height</td>
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<tr>
<td>Width</td>
<td>40½ inches</td>
</tr>
<tr>
<td>Depth</td>
<td>24½ inches</td>
</tr>
<tr>
<td>Net Weight</td>
<td>385 pounds</td>
</tr>
<tr>
<td>Shipping Weight</td>
<td>420 pounds</td>
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</table>

REMOTE CONTROL ACCESSORIES

Remote Control Kit, Type RCLPK2, Part No. 509112 (160 cycles)
Remote Control Kit, Type RCLPK2-5, Part No. 509113 (50 cycles)
Stereo Console, Type SC1 and Type SC2

REMOTE SPEAKERS

Twin Stereo Speakers, Types TW1-8, TR1-8 and EBRC2-12

1459
Cabinet Cabling and Component Diagram.
SEEBURG
L. P. STEREO PHONOGRAPH, LPC480D AND LPC480DR MODELS
-- SPECIFICATIONS --

POWER REQUIREMENTS
120 volts a.c., 60 cycles

Phonograph with RCSU5:
Standby .................................. 185 watts, 2.5 amp.
Operating .................................. 285 watts, 3.0 amp.

CABINET LIGHTING
30-watt, 36 inch cool white fluorescent lamps
(F-5-4 starter)

LID KEY NUMBER ...................... F-278
SELECT-O-MATIC MECHANISM ........ Type 133S3D
TORMAT MEMORY ASSEMBLY .......... Type 160TM2
RECORD TYPE ......................... 33-1/3 & 45 rpm, 7-inch diameter
RECORD CAPACITY .................... 80 records (160 selections)
PICKUP ................................. Seeburg Stereophonic High Fidelity
Magnetic with two (2) Diamond Stylus.

PHONOGRAPH SPEAKERS
2 - 12-inch low frequency (with Type SN-8 Stereo Network)
2 - 5-inch high frequency
2 - 6 x 9-inch mid frequency

CABINET FINISH
High pressure Dekarlite Phenolic Laminated, oiled
plank cherry grain; choice of blue or tangerine
grilles.

ALBUM PRICING UNIT .............. Type APU2 (5-10-25-50)
ALBUM SCAN CONTROL .............. Type ASC1
TRANSISTORIZED STEREO AMPLIFIER Type TSA3
TORMAT ELECTRICAL SELECTOR Type TES169-56
TORMAT CONTROL CENTER ........ Type TCC1

45 rpm, TRANSISTORIZED AUTO-SPEED UNIT Type 45TASU1

REMOTE CONTROL STEPPER UNIT Type RCSU5
(used on models with "R" suffix)

INCOME TOTALIZER UNIT
Type IT1-56 on LPC400D Models
Type IT1R-56 on LPC480DR Models

FUSES
1 - 15 amp. (TORMAT Control Center)
1 - 3.2 amp. (Remote Control Stepper Unit)
1 - 5 amp. (Select-O-Matic Mechanism)
1 - 8/10 amp. (Trans. Stereo Amplifier)
1 - 1/5 amp. (Album Pricing Unit)
1 - 1-6/10 amp. (Album Pricing Unit)
1 - 6¼ amp. (Power Junction Unit)

TRANSISTORS
4 - GC-114 PNP 4 - GC-112 PNP
2 - GC-112A PNP 2 - SC-339 NPN
2 - SC-365 PNP 2 - GC-385 PNP
2 - RCA 34573 PNP

TUBES
1 - 6X4 2 - OA2
2 - 2050 2 - 12AX7

DIMENSIONS & WEIGHTS
Height ..................... 52¾ inches
Width ...................... 40½ inches
Depth ...................... 24¾ inches
Net Weight ................ 385 pounds
Shipping Weight ........... 420 pounds

REMOTE CONTROL ACCESSORIES
Remote Control Kit, Type RCLPK2, Part No. 309112
(60 cycles)
Remote Control Kit, Type RCLPK2-3, Part No. 309113
(30 cycles)
Stereo Console, Type SC1 and Type SC2

REMOTE SPEAKERS
Twin Stereo Speakers, Types TW1-8, TB1-8 and
EB4C2-12

1459 A
Cabinet Cabling and Component Diagram.
WITH MECHANISM AGAINST CARRIAGE STOP AT LEFT END OF BASE, CABLE MUST BE DRESSED SO THAT LOOP IS FROM JUST TOUCHING TO A MAXIMUM OF 1 INCH FROM SNORK MOUNTING CHANNEL.

Access to Units and Cable Dressing.

MECHANISM CABLE DRESSING DETAIL.

TERMINAL BLOCK FOR CONSOLETTE CONNECTING IN LPC480R MODEL. SEE CONSOLETTE MANUAL (PART NO. 507493) FOR CABLE DRESSING.
Credit System Add Circuit.

*104 COUNTER SWITCH JUMPER SHOWN CONNECT TO 104 SOLENOID

*51 COIN SWITCH JUMPER SHOWN CONNECTED TO 54 COUNTER

NOTE 1:
WHEN RELAY ASSEMBLY IS NOT USED IN TOTALIZER, COMMON OF COUNTER SWITCHES CONNECTS DIRECTLY TO GROUND.
Credit System Subtract Circuit.
WRITE-IN CIRCUITS - PART 2

NOTES:
1. Pins "A" through "FF" of J352 are tied directly to pins "A" through "FF" of J361.
2. Pins "A" through "FF" of J351 are tied directly to pins "A" through "FF" of J352.
3. The letters on the "C" deck of the motor driven selector switch represent the pins of J351 and J352.

ALBUM SCAN CONTROL

FORMAT ELECTRICAL SELECTOR

TO SERVICE SWITCH
SELECT-O-MATIC MODELS LPC480 and LPC480R

READ-OUT CIRCUIT
Mechanism Control Circuit.
Mechanism Control Circuit.
## Parts List

<table>
<thead>
<tr>
<th>Item</th>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>411276</td>
<td>Service Switch (S797)</td>
</tr>
<tr>
<td>2</td>
<td>305635</td>
<td>Credit Switch (S796)</td>
</tr>
<tr>
<td>3</td>
<td>307616</td>
<td>Cable Assembly (P795)</td>
</tr>
<tr>
<td>4</td>
<td>307618</td>
<td>Cable Assembly (J796)</td>
</tr>
<tr>
<td>5</td>
<td>307608</td>
<td>Terminal Board Riveted Assy</td>
</tr>
</tbody>
</table>

**Service Switch and Album Pricing Terminal Board**

**Speaker Circuits**

[Diagram of speaker circuits]
COIN SWITCHES

CLEANING

Clean the switch contacts carefully with denatured alcohol using a No. 2 camel hair brush.

Burnish by inserting a burnishing tool between the contacts, raising the switch lever with a knife blade as shown. Never use a file or sandpaper for contact cleaning.

COIN LEVER ALIGNMENT

The coin switch levers should be parallel and centered with the openings of their respective coin exits in the slug rejector. Lateral play of the lever should be taken into account when checking the position of the switch levers.

SWITCH ADJUSTMENT

A
Adjust the coin switch mounting so the bracket is vertical and parallel with the vertical edge of the slug rejector frame.

B
Adjust the coin levers so they are parallel with the bottom edge of the rejector and are bearing against the bracket at "X". The ends of the levers should be approximately 3/16" below the level of the lever pivot, "Y".

C
Adjust short blade and bracer for 1/32" to 3/64" contact gap (all switches) with short blade bearing against tip of bracer at approximately 2 to 3 grams (measured at contact point).

D
Adjust the long blade so it bears against the cam, as measured at the switch contact:

- Nickel switch = 10 to 14 grams
- Nickel switch (with flipper equipped slug rejector) = 5 to 7 grams
- Dime switch = 5 to 7 grams
- Quarter switch = 12 to 16 grams
- Half Dollar switch (not shown) = 12 to 16 grams

Adjust the switch actuating cams so they are tilted as shown and overlap the switch blade approximately 3/32".