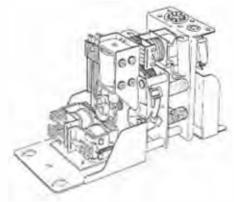
SEEBURG

SINGLE PRICING UNIT Type SPUIH





Pricing Unit Cover

The Single Pricing Unit, Type SPUIH, is a part of the Tormat Selection System for making selections for nickels, dimes, quarters and half sollars deposited at the phonograph. Its function is to store credit for coins deposited, cancel the credit as it is used for selections and to control the selection system write-in current pulse. Power for operation is taken from a Selection Receiver or Power and Control Unit with which it is associated and to which it is connected with a cable and plug.

The principle parts of the unit are three credit solenoids, a cancel solenoid, two cam operated switch groups, a timing relay, an a.c. operated "50¢ relay" and a d.c. operated "slow release relay". These may be identified in Figure 2.

The credit switch is a "wheel" supporting six equally spaced snap-action switches which are parallel connected and terminate at a collector ring and the grounded frame of the unit. The snap-action switches are closed by the plungers of the credit solenoids. One solenoid is operated by the nickel and dime operated coin switches, one by the quartet coin switch, one by the 50-cent switch. Closing any one of the snap-action switches esmblishes "credit" so selections can be made. Each time a selection is made, the cancel solenoid in the Unit advances the credit switch one sixth turn. It is advanced, therefore, one position the distance between the snap-action switches - for each selection made.

A reset bracket is mounted on the assembly so a snap-action switch moves past it each time a selection is made. When a snap-action switch that has been turned "on" (by a credit solenoid plunger) passes the bracket, it is

engaged by the bracket and reset to the "off" position.

The "nickel and dime" is mounted so its plunger turns on the snap-action switch which is one position from the reset bracket. Because the switch will be opened with one operation of the cancel solenoid, one credit is set up when a 10d coin or two nickels are deposited. (The slug rejector in the phonograph is equipped with a filting lever that permits only alternate nickels to operate the "nickel coin switch".)

The "quarter solenoid" is three positions from the reset bracket and will turn on a snapaction switch permitting three selections to be made.

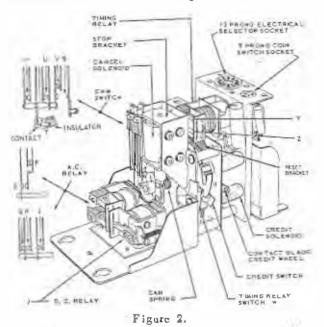
The "half dollar solenoid" is four positions from the reset bracket and is parallel connected to the a.c. operated "50-cent relay". It turns on the snap-action switch that is four positions from the reset bracket permitting four selections to be made. When the fourth selection has been made, the snap-action switch is opened but the 50¢ relay and the slow release relay then operate so energize the quarter solenoid to permit three additional selections so there are a total of sever for the 50-cent coin.

The cancel solenoid plunger is linked to one of the switch came so the cam is rotated upproximately 60 degrees when the solenoid is energized. This cam is pinned to a shaft which drives the other of the two switch cames. A pawl on the second came engages a ratcher on the credit switch and moves it one position each time the solenoid plunger operates.

The timing relay operates at approximately 25 volts d.c. and is loaded with copper slugs that delay starting of its armature from the

the time the contacts in the switch groups are closed.

The switch groups contact functions are detailed in the table on Page 16015.



MECHANICAL ADJUSTMENTS

- 1. The Pawl Arm Stop limits the rotation of the credit switch when the Cancel Solenoid plunger returns to normal test position. It should be adjusted so the credit switch tomates far enough to allow the Lock Pawl to fall into the ratchet and have approximately 1/64" overtravel. The adjustment must be checked at all six positions of the credit wheel and the ratchet. After adjustment, set the locknut tight. See Figure 3.
- 2. Adjust the position of the Cancel Solenoid Stop Bracker so the Cancel Pawl overtravels the ratchet teeth approximately 1/32" when the solenoid plunger bottoms against the Stop. Set the Stop mounting screws furnly after adjustment. See Figure 4.

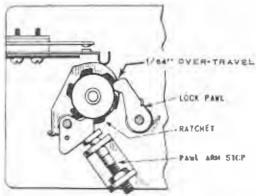


Figure 3.

3. Set the end of the Cam Spring in the first hole in the panel. The Cam Spring may be identified in Figure 2. Check operation by closing all snap-action credit switches and allow the Cam Spring to rotate the switches past the reset bracket. This should be checked slowly to determine if the Spring pressure is adequate to reset the switches without benefit of inertia. If more spring pressure is required, move to the second hole and repeat the test. Use the lowest possible spring pressure (consistent with positive operation) to insure minimum wear and optimum low voltage operation.

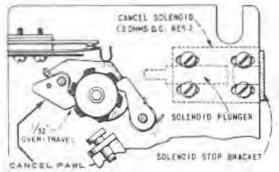
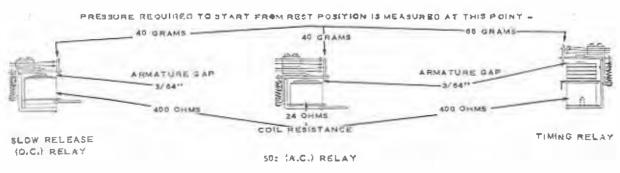


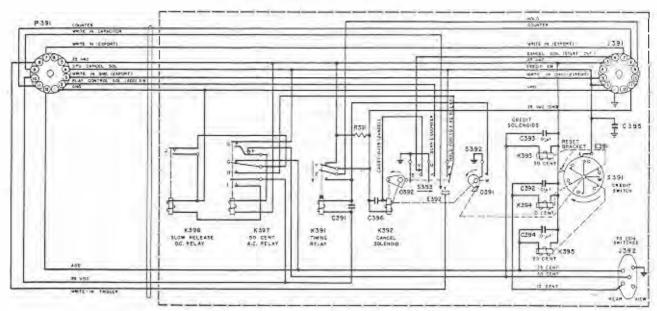
Figure 4.

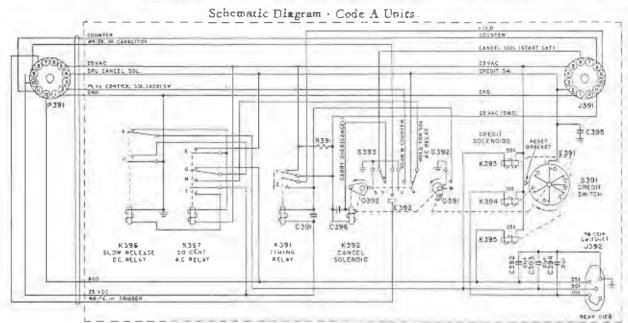
4. The pressure of the credit wheel contact against the ring on the credit switch should be approximately 2% oz. Excessive pressure will result in excessive wear and sluggish rotary action of the credit switch.



16014

SINGLE PRICING UNIT, Type SPUI-II





Schematic Diagram - Code B & Code C Units.

PAILCH	SON FACE	PIESSUA C	CONTACT GAP	HORMAL POSITION	FUNCTION
⊊A# 9¥3TCH	5	3% or.	1/64"	OPEN	Carry Over Contact For Cancel Sciences.
	T	2/3 oz	INSULATOR	OPEN	Salaction Printed (Incom Trigger Switch).
	U	1 oz.	1/64"	OPEN	Consider Connegate Servicion Courter And Pray College Add Selectual.
	γ	1 04	.010-	CLOSED	Consists Court Te Careel Supposed Free Society of Superconstanting Symptom.
	P	3/4 02	1/64*	CLOSED	Hook Comber For Side Street. H. Jurier. 41th H.
THERE	Y	1-1% oz.	1/32*	CLOSED	Completes JS-Viri Circus. La Cancer And Circus Stewarts And Electrical Selection Later But Steward.
SEL AY	Z	1.E% 02	17321	ОРЕН	Thony Many Kemilon, M Series With Hilld Seriches in Electrical Electric
SHITCH	W	2/3 oz.	3/641	OPEH	Operates Fining Relay.
A C. RELAT	G	2/3 01	1/64*	CLOSED	by Serves wire if the time decrease Rainy. Assessed the Could Servelin.
	н	2/3 oz.	1/64*	0FEM	Hible Scales I for Sign Rates, in favors, Marin F.
	1	2/3 ex.	1/64"	QP EN	Openifer The Telegry Person
	Ε	2/3 oz.	.010**	02 EN	Hold Contact Fix 50e Relay.
	F	1 02.	.008→	Cr. O SED	Consists Discoil From the Standard To Standard Roy (
SLOW RELEASE O. C. RELAY	+	1 04.	1/32-	ore.	is Jump 400 is in 64 Paray, Species (Selties) Torreson

Contact Operation & Gap Adjustment.

