

# SEEBURG

## TORMAT SELECTOR UNITS, TYPES TSU1, TSU2, TSU3, TSU4 & TSU5

The Tormat Selector Units, Types TSU1, TSU2, TSU3, TSU4 and TSU5 are the power distribution center and junction for control circuits of Select-O-Matic phonographs. The Type TSU1, TSU3 or TSU5 is used with conventional phonographs having Electrical Selector only or Electrical Selector in combination with remote control. The Type TSU2 or TSU4 is used with the R.C. Special (Hideaway) Model where no Electrical Selector is used and differs from the TSU1, TSU3 and TSU5 in the primary power distribution as shown in the diagrams. The TSU1 and TSU2 are equipped with a three-screw terminal strip for connecting the remote record cancel circuits associated with remote volume control of the phonographs. In the TSU3, TSU4 and TSU5, this three-screw terminal strip is replaced with a four-screw terminal strip that provides for connecting the remote cancel circuits and for a DC power take-off for operation of a motor-driven volume control.

Power is supplied to the Unit through a line cord and main switch and is distributed at line voltage or from the secondaries of a transformer to the electrical units of the complete phonograph. All connections between the Tormat Selector Units and other units within the phonograph cabinet are made with plugs that are keyed by shape or number of contacts so they cannot be incorrectly connected. Units external to the phonograph cabinet are connected to the Unit by means of screw-type terminal strips.

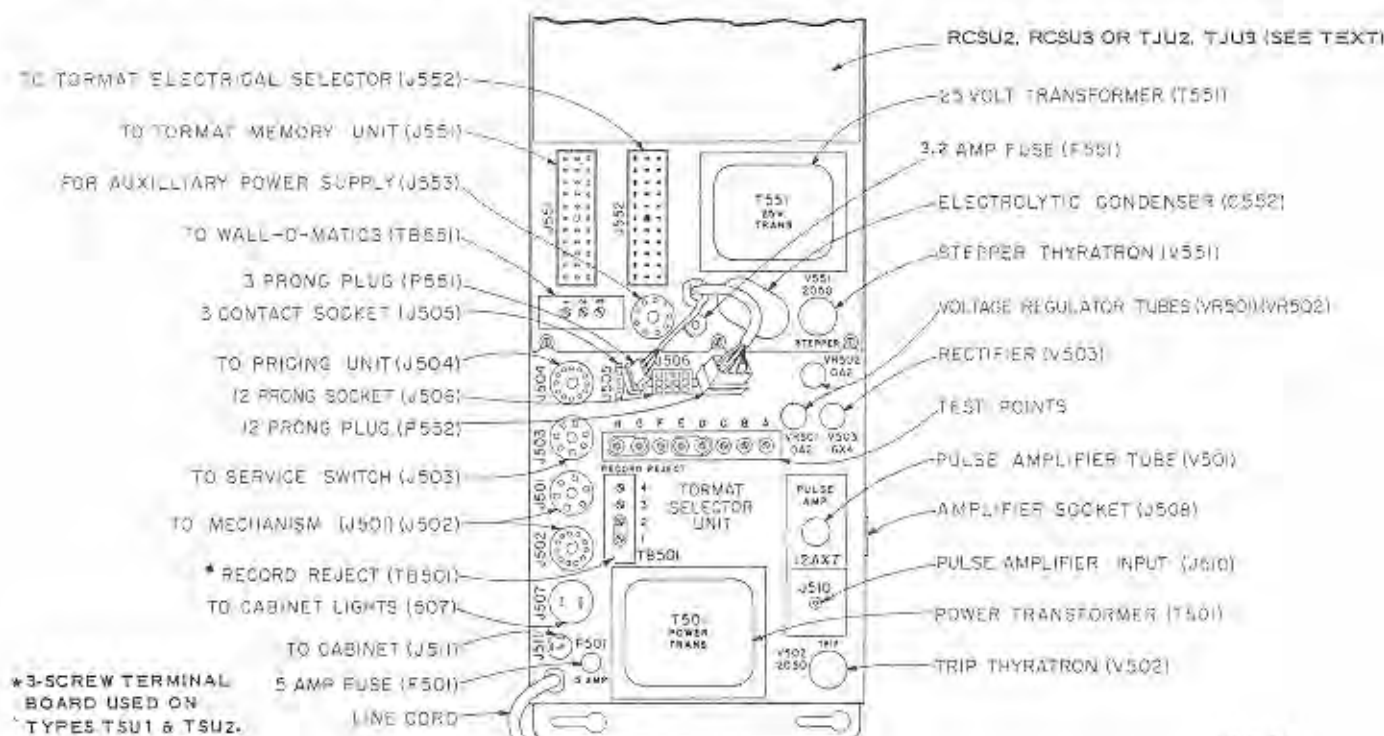
A Tormat Junction Unit, Type TJU2 or TJU3, or a Remote Control Stepper Unit, Type RCSU2 or RCSU3, is used with the Tormat Selector Unit. The

Tormat Junction Unit is used when the Selector Unit is in a phonograph that is to be operated only from an Electrical Selector and without provision for remote control operation. It includes sockets for connection of the Electrical Selector and the Tormat Memory Unit of the phonograph selection system and some of the selection system test points.

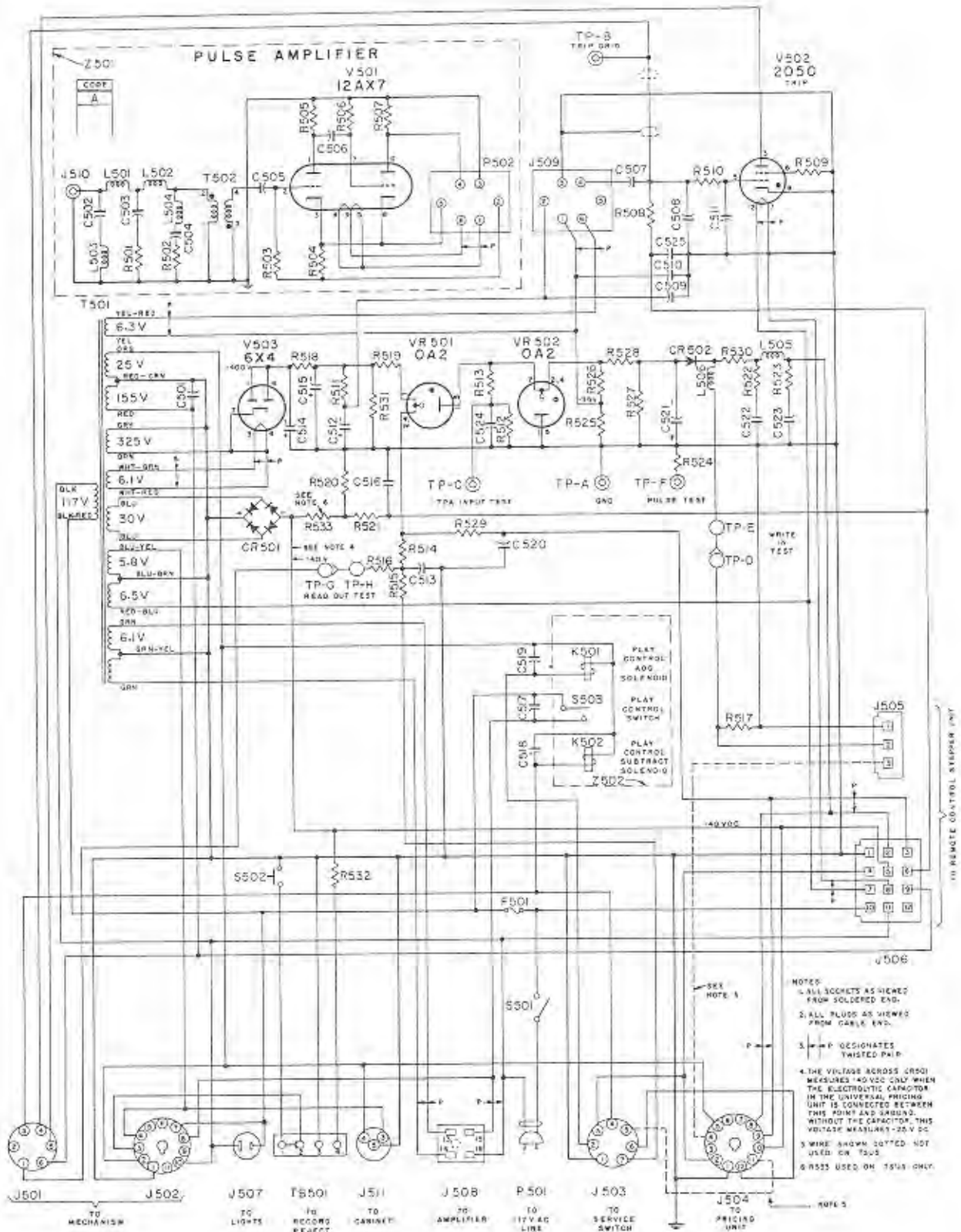
The Type TJU2 has a terminal strip with a movable link that is positioned as required to permit use of single (SPU) or dual (DPU) pricing units in the phonograph. The Type TJU3 is permanently wired for the "DPU" connection and can be used only with the Universal Pricing Unit, the dual pricing units or the Type CAU1 credit accumulator.

The Type RCSU2 is similarly equipped with a movable connection for SPU or DPU use and, like the TJU3, the RCSU3 is permanently wired for the "DPU" connection.

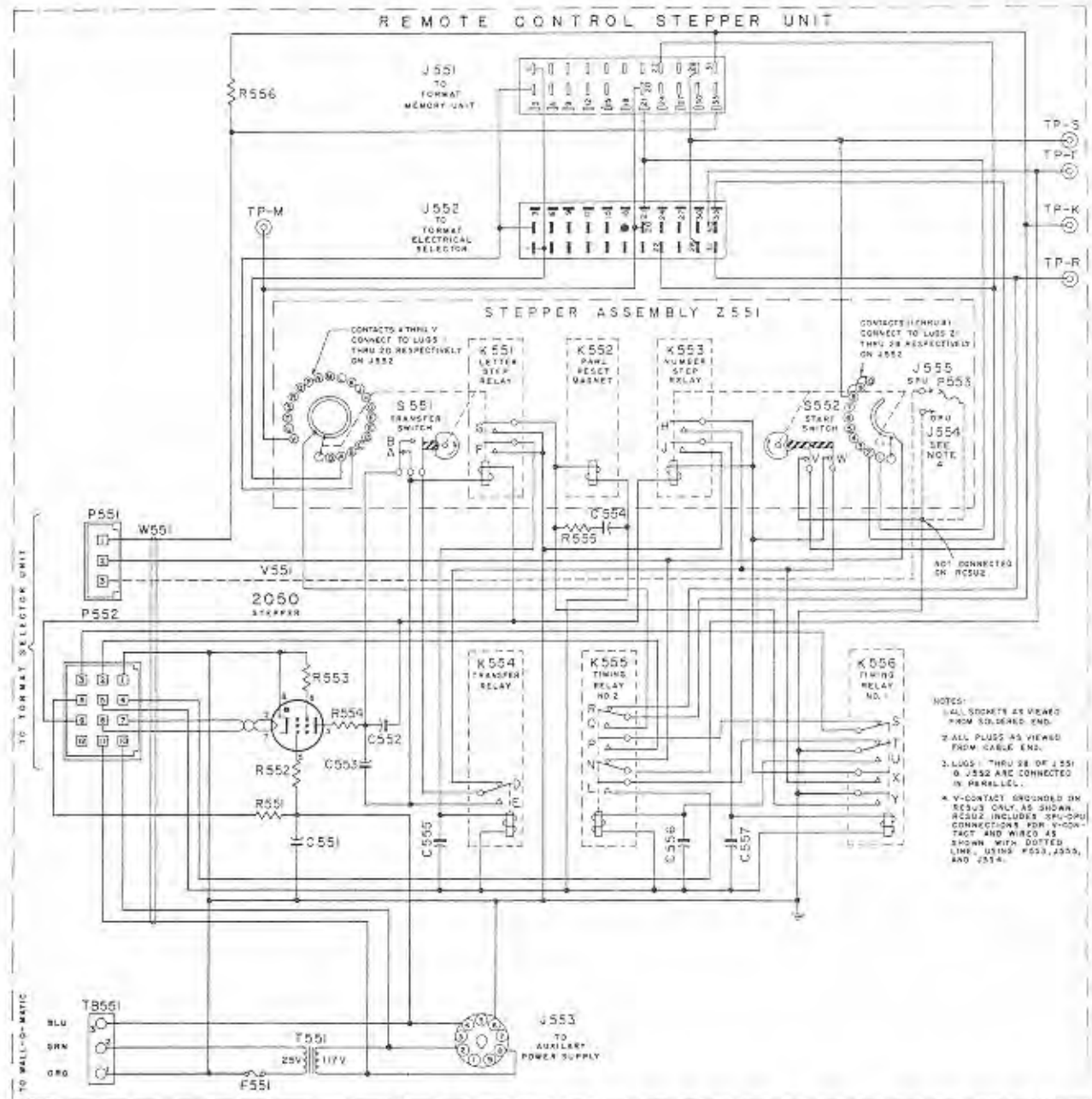
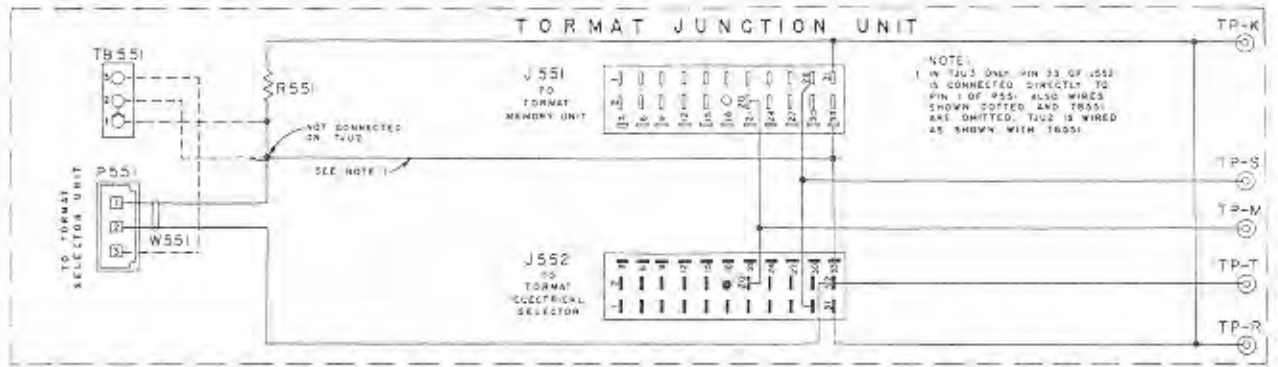
The Remote Control Stepper Unit is used with the TSU1, TSU2, TSU3, TSU4 or TSU5, whenever Electrical Selector and/or remote control operation is employed. It includes the connections, test points and pricing unit connections associated with the Tormat Junction Unit and, additionally, the steppers, Wall-O-Matic power supply and stepper control circuits necessary for full remote control selection. The Junction Unit or the Stepper Unit is mounted on the Selector Unit chassis with screws and all interconnections are made with plugs. A three-prong plug is used with the Junction Unit. The Stepper Unit has a 3-prong and a 12-prong plug for connections.



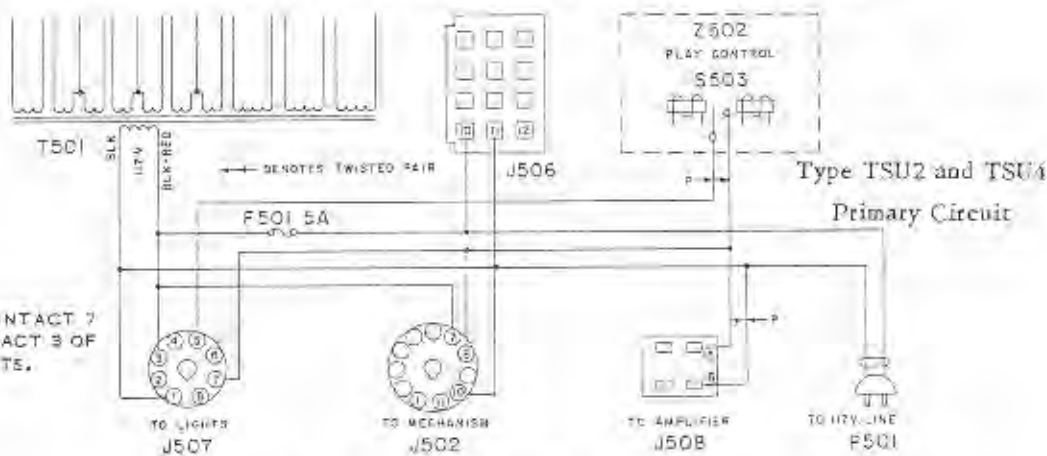
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NOTE:  
JUMPER FROM CONTACT 7  
OF J502 TO CONTACT 3 OF  
CODE A TSU2 UNITS.

Parts List (for Pages 13012 and 13013)

Item	Part No.	Description	Item	Part No.	Description	Item	Part No.	Description
CS01	86184	0.02 Mfd 500 V. Paper	J552	303528	33 Prong Plug	R523	82617	47 Ohms ±5% 1/2W.
CS02	86253	380 Mmf ±10% 500 V. Ceramic	J553	84244	9 Prong Socket	R524	82437	12,000 Ohms ±10% 1/2W.
CS03	86252	1200 Mmf ±10% 500 V. Ceramic	J554	940311	Taper Tab Lug	R525	82454	330,000 Ohms ±10% 1/2W.
CS04	86283	890 Mmf ±10% 500 V. Ceramic	J555	940311	Taper Tab Lug	R526	82451	180,000 Ohms ±10% 1/2W.
CS05	86251	8000 Mmf 500 V. Ceramic	K501	303739	Play Control Add Selector	R527	82698	150,000 Ohms ±5% 1/2W.
CS06	86030	0.05 Mfd ±10% 400 V. Paper	K502	303743	Play Control Subst. Selector	R528	82611	1,000 Ohms ±2% 1/2W.
CS07	86284	0.15 Mfd ±10% 200 V. Paper	K551	303941	Letter Step Relay	R529	82308	270,000 Ohms ±10% 1/2W.
CS08	86735	0.05 Mfd 200 V. Paper	K552	303944	Panel Reset Magnet	R530	82617	47 Ohms ±5% 1/2W.
CS09	86251	3000 Mmf 500 V. Ceramic	K553	303940	Number Step Relay	R531	82460	1 Meg. ±10% 1/2W.
CS10	86313	0.01 Mfd 500 V. Ceramic	K554	303974	Transfer Relay	R532	81217	120 Ohms ±10% 10 W.
CS11	86255	2000 Mmf 500 V. Ceramic	K555	303154	Timing Relay No. 2	R533	±81201	250 Ohms ±10% 5 W.
CS12	87637	10 Mfd 150 V. Lytic	K556	303162	Timing Relay No. 1	R534	±82477	1800 Ohms ±10% 1/2W.
CS13	86295	0.15 Mfd ±10% 600 V. Paper	L501	303502	10µh Choke ±5%	R551	82439	18,000 Ohms ±20% 1/2W.
CS14	87635	15 Mfd 450 V. Lytic	L502	303502	18µh Choke ±5%	R552	82436	40,000 Ohms ±20% 1/2W.
CS15	87535	15 Mfd 450 V. Lytic	L503	303600	11µh Choke ±5%	R553	82440	22,000 Ohms ±20% 1/2W.
CS16	87571	25 Mfd 50 V. Lytic	L504	303500	11µh Choke ±5%	R554	82634	100 Ohms ±10% 2 W.
CS17	86317	0.01 Mfd 1400 V. Ceramic	L505	303503	100µh Choke ±5%	R555	82403	10 Ohms ±10% 1/2W.
CS18	86312	0.01 Mfd 500 V. Ceramic	L506	303702	100µh Choke ±5%	R556	82438	18,000 Ohms ±20% 1/2W.
CS19	86313	0.01 Mfd 500 V. Ceramic	P501	307152	Line Cord & Plug Assm.	S501	303112	Toggle Switch, S.P.S.T.
CS20	86725	0.068 Mfd ±10% 600 V. Paper	P502	303509	5 Prong Plug	S502	410486	Reject Switch
CS21	87636	10 Mfd 150 V. Lytic	P551	307049	5 Contact Plug	S503	303749	Play Control Switch
CS22	86313	0.01 Mfd 500 V. Ceramic	P552	307048	10 Contact Plug	S551	303794	Transfer Switch
CS23	86312	0.01 Mfd 500 V. Ceramic	P553	246933	Taper Tab Receptacle	S552	303794	Start Switch
CS24	86252	1200 Mmf ±10% 500 V. Ceramic	R501	82409	50 Ohms ±10% 1/2W.	T501	307150	Power Transformer
CS25	86251	3000 Mmf 500 V. Ceramic	R502	82409	58 Ohms ±20% 1/2W.	T502	303452	Pulse Transformer
CS26	86255	0.05 Mfd 200 V. Paper	R503	82444	47,000 Ohms ±10% 1/2W.	T551	307074	25 V. Transformer
CS27	86330	5 Mfd 300 V. Paper	R504	82610	6,200 Ohms ±5% 1/2W.	T801	305447	3-Screw Terminal Board
CS28	86250	5000 Mmf 1000 V. Ceramic	R505	82456	470,000 Ohms ±10% 1/2W.	T850 (1)	307376	4-Screw Terminal Board
CS29	87511	300 Mfd 50 V. Lytic	R506	82469	5.6 Megohm ±20% 1/2W.	T851	307105	3-Lug Binding Post Assembly
CS30	86235	0.05 Mfd 200 V. Paper	R507	82540	27,000 Ohms ±5% 1/2W.	T851	305309	3-Screw Terminal Board
CS31	86235	0.05 Mfd 200 V. Paper	R508	82460	1.0 Megohm ±10% 1/2W.	V501	308120	12AX7 Vacuum Tube
CS32	86235	0.05 Mfd 200 V. Paper	R509	82440	22,000 Ohms ±10% 1/2W.	V502	308003	2050 Thyatron
CS33	86235	0.05 Mfd 200 V. Paper	R510	82456	470,000 Ohms ±10% 1/2W.	V503	308626	5 x 4 Vacuum Tube
CS34	86235	0.05 Mfd 200 V. Paper	R511	82595	56,000 Ohms ±5% 1/2W.	V551	308003	2050 Thyatron
CR501	400547	Selenium Rectifier	R512	82448	320,000 Ohms ±10% 1/2W.	VR501	308005	0A2 Voltage Regulator Tube
CR502	303385	Silicon Rectifier	R513	82464	2.2 Megohm ±10% 1/2W.	VR502	305305	0A2 Voltage Regulator Tube
	303606	Alternate: IN358 Germanium Diode	R514	82337	55,000 Ohms ±10% 2W.	W551	307047	Cable Assembly
F501	602411	5 Amp Fuse Type RTH	R515	82432	4,700 Ohms ±10% 1/2W.	W551	307104	Cable Assembly
F551	303713	3.2 Amp. Fuse Type GMQ 3-2/10	R516	82993	38 Ohms ±5% 1/2W.	W551	307127	Cable Assembly
J501	84229	6 Prong Socket	R517	87439	18,000 Ohms ±10% 1/2W.	W551	307116	Cable Assembly
J502	84318	11 Prong Socket	R518	81194	5,300 Ohm Fuse Resistor ±10% 5W.	Z501	303359	Pulse Amplifier Unit
J503	84282	7 Prong Socket	R519	82836	2,700 Ohms ±10% 1/2W.	Z502	303730	Play Control Assembly
J504	201275	12 Prong Socket	R520	82432	4,700 Ohms ±10% 1/2W.	Z501	303765	Stepper Assembly
J505	307154	3 Contact Socket	R521	82430	3,300 Ohms ±10% 1/2W.	Z51	130709	Stepper Assembly
J506	307147	12 Contact Socket	R522	82455	470,000 Ohms ±10% 1/2W.			
J507	11401	2 Prong Socket A.C.						
J508	301030	4 Prong Socket						
J509	301031	6 Prong Socket (Small)						
J510	300152	Single Prong Socket						
J511	303555	3 Prong Miniature Socket						
J551	303528	33 Prong Socket						

▲ PART NO. 84305 - 8 PRONG SOCKET USED ON TYPE TSU2 & TSU4  
 ■ PART NO. 303697 - USED ON RC5U2 - CODE A  
 ● USED ON TSU2  
 ● USED ON TSU3

■ USED ON RC5U2  
 1 USED ON RC5U3  
 ▲ USED ON TSU1 & TSU2  
 † USED ON TSU3 & TSU4  
 ‡ USED ON TSU5