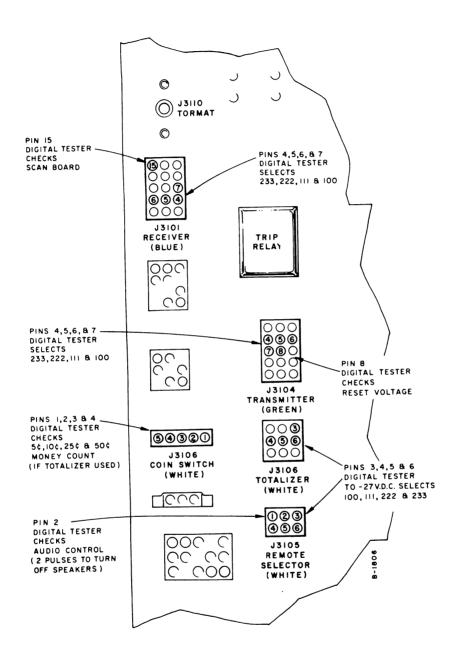


THE SEEBURG SALES CORPORATION

CHICAGO . ILLINOIS

60622

U.S.A.



DIGITAL SELECTION PHONOGRAPH "CONTROL CENTER PLUG & PIN DIAGRAM"



EEBURG TROUBLE SHOOTING GUIDE

DIGITAL CREDIT and SELECTION SYSTEM

TROUBLE	SYMPTOM	CORRECTION PROCEDURE
1. FAILURE TO ADD CREDIT PROPERLY (Always check plugs and cables for pin alignment and broken wires)	A. For Manual Credit Switch	Check Coin Switch Plugs and Service Switch Assembly. A. Reverse Coin Switch Plugs; solid colored wire plug to solid colored wire jack. (Does not apply to LS3). B. Service Manual Credit Switch.
	B. For particular coin	 Check Slug Rejector Alignment and Coin Switch Adjustment. See "Service Manual" and "Installation and Operation Manual" Check Black Box (DTP1) and Pricing Program Board Operation. Insert Digital Tester probe into pin of Black Box (DTP1) coin switch jack of suspect coin wire and ground aligator clip. Replace Pricing Program Board if no credit is established and any of the diodes front to back resistance measures open or shorted with an Ohm meter. See service manual. Replace Black Box (DTP1) if Pricing Program Board was replaced and trouble persists.
	C. For all Coins and Manual Credit Switch or Credit established when Power is turned on.	 Check Control Center Voltages, -27VDC, -13VDC and Reset Voltage (main power off and on 2 second delayed -27VDC). A. Measure with a DC Voltmeter or Digital Tester between ground and the -27V and -13V Test Points on Control Center chassis TB3100. B. Replace Control Center if the difference between -27VDC and -13VDC is greater than 15.5 VDC. C. Connect Aligator Clip of Digital Tester to ground and insert Probe in pin 8 of the wire side of the green plug. D. Replace Control Center if there is no delay in lightning the Digital Tester Lite when main power is turned on. Check the Black Box (DTP1) and Pricing Program Board. A. Replace Pricing Program Board if any of the diodes are defective as above. B. Replace Black Box (DTP1) if Pricing Program Board was replaced and trouble persists.
2. FAILURE TO SUBTRACT CREDIT PROPER- LY (Reset Lamp May or May Not Light)	A. On Singles, on Albums, or on Both.	 Check the Control Center -27VDC and -13VDC. A. Measure voltages in Control Center as above. B. Replace Control Center if difference of -27VDC and -13VDC is greater than 15.5VDC as above. Check the Key Board - Main Trigger Switch, Number Button Contacts and Album Single Switches if used. A. Adjust Main Trigger Switch if 1st and 2nd Digit Light comes on with one button push or if main trigger switch closes early turning on Reset Light. B. Replace Key Board or Clean and Lubricate Button Contact Printed Circuit Board if Main Trigger Switch is closing properly and the Reset Light comes on. Special Gontact Lubricant, Part No. 53042. C. Replace Album Single Switch Board (if used) or Clean and Adjust Switches or Reset Light comes on when pushing 2nd Digit or Extra Credit is accumulated when making a selection. Check the Black Box (DTP1) or Pricing Program Board. A. Replace the Pricing Program Board if any diode is defective as above. Replace Black Box (DTP1) if Pricing Program Board was replaced and trouble persists.
3. FAILURE TO PICKUP SELEC- TED RECORD. (Always check plugs and cables for pin alignment and broken wires)	A. Credit is subtracted but mechanism does not scan. Mechanism does not scan when service is operated.	1. Check Motor Power, Control Power and Play Control Assembly. A. Service Motor Power— 117 VAC if Play Control add coil pulls in and sets ratchet two teeth. 1. Motor On/Of Switch, Play Control Assembly in Control Center. 2. Reversing Switch, Mechanism. 3. Auto Speed Relay Contacts or Dummy Plug (if used). B. Service Control Power— 25VAC if Play Control Add Coil fails to pull in. 1. 15 Amp Fuse— Control Center. 2. Bind in Play Control Assembly.

TROUBLE	SYMPTOM	CORRECTION PROCEDURE
3. FAILURE TO PICKUP SELECTED RECORD CONTINUED -	B. Credit is subtracted but mechanism does not scan. Mechanism scans and selected records are picked up when service switch is operated.	Check Scan Board Operation, by inserting Probe of Digital Tester in wire side of pin 15 of Blue Plug on Control Center and ground Aligator Clip. A. Replace Scan Board if Mechanism fails to Scan. B. Replace Gray Box (DRD1) if Mechanism scans.
	C. Credit is subtracted but mechanism does NOT scan. Mechanism scans but selected record is NOT picked up when service switch is operated.	were made in sequence.
	D. Credit subtracted but mechanism scans twice and stops.	1. Check Write In, Read Out, Sense, and Trip. A. Charge Memory Unit with 1-1/2 Volt battery, tip of Sense Loop to negative case of battery, positive post of battery to ground. B. Re-insert Sense Loop Plug into Control Center and scan Mechanism. 2. Write In Trouble, if all selections are picked up. A. Replace Grey Box (DRD1), if Write In voltage is less than 105 V measured at test point 4 on Control Center with a DC voltmeter. 3. Sense or Trip Trouble if no record is picked up. A. Service 2M1 Contact (if used) when no record is picked up with Aligator Clip of Digital Tester is grounded and Probe placed on Trip Relay Test Point of Control Center and Mechanism is scanned. B. Replace Control Center if no record is picked up when probe of Digital Tester is inserted into Sense Socket of Control Center, Aligator Clip on Positive Post of 1-1/2 volt battery, Negative Case Grounded and Mechanism scanned. 4. Read Out Trouble if no or only a few records are picked up. A. Replace Control Center if Mechanism picks up all Records with Read Out Link Pivoted to Trip Relay Test Point. B. Service Detent Switch (7M1) or Contact Block if Mechanism fails to pick up all Records with Read Out Link Pivoted to Trip Relay Test Point. (Inspect Read Out wiring on Mechanism)
4. PICKS UP WRONG SELECTIONS (Make Standard Selections to develop Symptom Pattern-100, 111, 222, 233, 144, 155, 166, 177, 178, 179, 101, 102, 103, 110).	A. Group 1 Failure — 100, 111, 222, 233. B. Group 2 Failure — 144, 155, 166, 177, 178, 179.	1. Check Selection Data Transmission System. (Trouble procedure 3, Symptom C). 2. Replace Grey Box (DRD1) if more than the Standard Selections play. 1. Repair or Replace Keyboard if one or more Number Buttons causes repeated wrong Selections (such as when 177 is selected, 100 plays). 2. Replace Grey Box (DRD1) if more than the Standard Selections play or if any are missed.
	C. Group 3 failure -101, 102, 103, 110.	1. Replace Black Box(DTP1) if any Standard Selections fail to play. (See Trouble procedure 3, Symptom C).