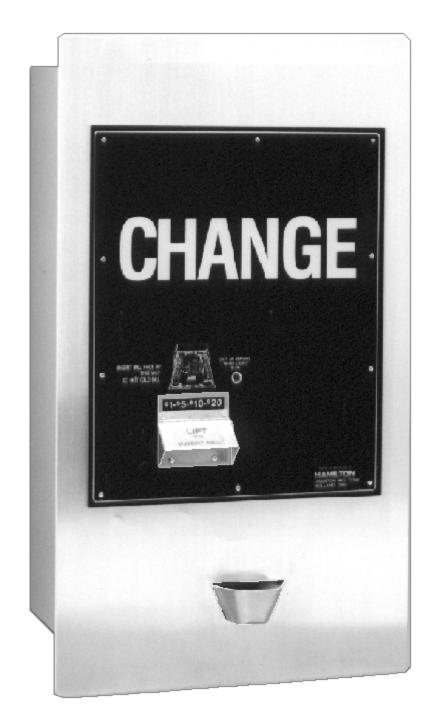
SERVICE & PARTS MANUAL FOR

RL-2 / RL-3 & RLC-2 / RLC-3



RL-2/RL-3 & RLC-2/RLC-3 CHANGER

ABOUT THIS MANUAL

This manual will provide the operator with important information about installing and maintaining the RL-2, RL-3, RLC-2 or the RLC-3 Changer. General information is provided for the Hopper, Validator/Stacker, and Controller. However, if additional information is needed for these components, please refer to the appropriate manual. To obtain assistance from the manufacturer, please call (800) 837-5561 or (419) 867-4858.

When calling for assistance, it is very important to have serial numbers readily available. Please take the time to record these numbers in the spaces provided. Note that Models RL-2 and RLC-2 have two Hoppers, and that Models RL-3 and RLC-3 have three Hoppers.

RL-2/RL-3, OR RLC-2/RLC-3	
CHANGER SERIAL #	
VALIDATOR SERIAL #	
HOPPER 1 SERIAL #	
HOPPER 2 SERIAL #	
HOPPER 3 SERIAL #	
STACKER SERIAL #	
CONTROLLER SERIAL #	
KEY / LOCK #	

Please complete the warranty card, which was included with your changer, and return it to the manufacturer.

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I. INSTALLATION

MOUNTING

Cabinets are pre-drilled for wall mounting or mounting on an optional base. Bases are pre-drilled for securing to the floor. Do not use leveling screws when fastening to the floor. Changers mounted on bases should be securely fastened to both the floor and the wall. Fasteners to be used should be recommended by your engineer as to strength and suitability for floor and wall composition. **Hamilton will not be responsible for injury due to improper installation.**

- 1. Cut an opening in the wall measuring a minimum of 34-7/8" H x 8-1/4" W.
- 2. Caulk around the outside edge of the opening.
- 3. Place the cabinet in the opening and press until the flange is flush on all sides.
- 4. Fasten the cabinet by bolting or welding a 2" angle on both sides of the cabinet.
- 5. DURING INSTALLATION, REMOVE ALL MAJOR COMPONENTS FROM THE CHANGER.

CABINET: 34-7/8" H x 18-1/4" W x 14-7/26" D

FACEPLATE: 38-3/8" H x 21-3/4"W

ELECTRICAL

This changer operates on 120 VAC, 60 Hz. The RL-2 and RLC-2 changers use a 6 AMP circuit breaker, and the RL-3 and RLC-3 changers use an 8 AMP circuit breaker. This unit may be hard-wired with conduit if desired.

A GROUND FAULT INTERRUPTER IS REQUIRED. The recommended Ground Fault Interrupter should have the following specifications:

- 120 VAC
- 15 AMP
- 6-10mA trip level
- Should not trip when power is removed from circuit.

Attached to the main harness is a 1-pin white molex connected to a white wire. There should be a bright yellow tag attached to this wire with the following warning:

WARNING: For security reasons, this plug should remain disconnected until such time as you need to utilize the hopper's manual run switch.

There is no need to connect this plug for normal operation. If for some reason you wish to utilize the manual run switch, be sure to unplug the molex afterward.

II. MAINTENANCE

CAUTION! Do not use oil, grease or solvents on any part of this changer except as clearly specified in this manual, the Hopper Manual or in the Validator/Stacker Manual.

HOPPER

Any lubrication in the Hopper can result in a faulty payout. Empty the Hopper and vacuum once a month. Use a soft brush to loosen dirt. (Refer to the Hopper Manual for details on maintenance.)

VALIDATOR / STACKER

Refer to the Validator/Stacker Manual for lubrication instructions and all other information. THE VALIDATOR SHOULD BE SERVICED ANNUALLY TO MAINTAIN MAXIMUM PERFORMANCE. THIS WORK SHOULD ONLY BE DONE BY A TRAINED TECHNICIAN.

CONTROLLER

The microprocessor based Hamilton C2000 Controller monitors the systems of the RL-2/RL-3 and RLC-2/RLC-3 Bill Changers. If a problem is detected, the Controller will shut down and display the appropriate error code. (Refer to the C2000 Operation Manual for error codes.)

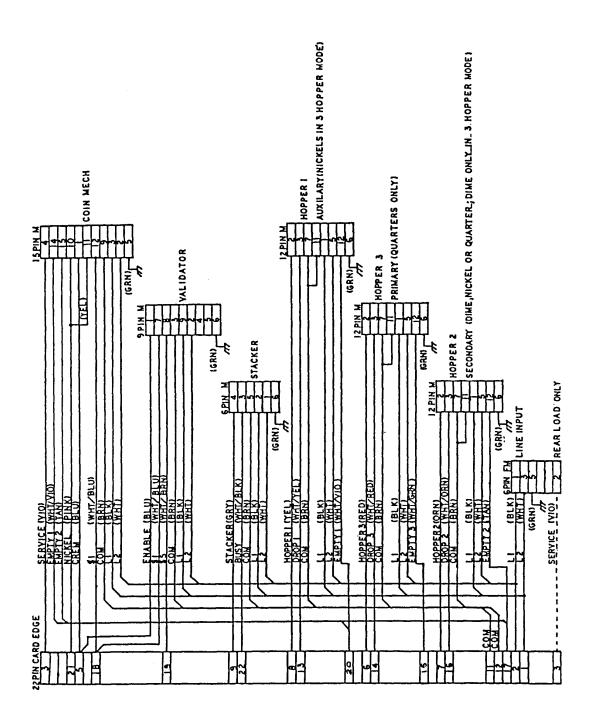
The twelve DIPswitches located near the Computer Reset Button select the payback of coins on multi-Hopper change units. There is no need to change the switch settings on an RL-2/RL-3 or RLC-2/RLC-3 Changer, as they are set to the payout arranged at the time of order. These switches should remain in the positions set at the factory. However, the C2000 Operation Manual does offer alternative switch settings if the need arises. If none of these settings are suitable to your needs, contact Hamilton Mfg. for assistance. YOU MUST HAVE THE CONTROLLER MODEL NUMBER READY.

III. PARTS

PARTS LIST			
PART #	DESCRIPTION	QTY	
11-0033	HOPPER PIVOT BRACKET	3	
11-0100	QUARTER HOPPER	1	
11-0100A	NICKEL HOPPER	1	
11-0100B	DIME HOPPER	1	
35-0100	DUAL STACKER (OPTIONAL)	1	
36-0036	STACKER	1	
46-0170	HV-X VALIDATOR	1	
47-0029	CONDUIT CONNECTOR	1	
47-0077	GROUNDING TERMINAL	2	
47-0080	OUT OF SERVICE LAMP	1	
47-0080A	SPEED NUT	1	
47-0200	WIRE NUT	2	
47-0216	A. C. LINE CORD	1	
47-0232	PANDUIT MOUNTING PADS	22	
47-0275	CABLE TIES	22	
48-0006	HEATER ASSEMBLY	1	
48-0033A	STACKER BYPASS PLUG	1	
48-0050	POWER BOX HARNESS	1	
48-0051A	GROUND STRAP	1	
48-1009A	MAIN HARNESS, RL-3/RLC-3	1	
48-2111A	AUDIT PRO HARNESS	1	
48-2115A	HARNESS, DUAL/HVX EXTENSION	1	
48-2115B	HARNESS, DUAL/HVX ADDITION	1	
49-1022A	POWER BOX, 8 AMP (3 HOPPER), 6 AMP (2 HOPPER)	1	
49-2000A	MAIN CONTROLLER, C2000	1	
	OR		
49-2004A	AUDIT PRO CONTROLLER	1	
49-2010A	AUDIT PRO REMOTE	1	
60-0014	COIN SLOT	1	
60-0042	COIN BOX	1	
60-0070A	COIN RETURN BUTTON	1	
60-0075	BRACKET, LOCK NUT	1	
60-0249	COIN MECH BRACKET	1	
60-0271	DUAL STACKER PLATE, RIGHT	1	
60-0272	DUAL STACKER PLATE, LEFT	1	

PARTS LIST			
PART #	DESCRIPTION	QTY	
60-0273	STACKER BRACKET, LEFT SIDE	1	
60-0274	STACKER BRACKET, RIGHT SIDE	1	
60-0275	COMBINATION VALIDATOR BRACKET	1	
60-0282	SLIDER FACE PLATE	1	
60-0284	CLAMPING FACE PLATE	1	
60-0318	WEATHERSHIELD, FULL COVER	1	
61-0503A	CABINET ASSEMBLY COMPLETE	1	
63-0407B	FACE PANEL ASSEMBLY	1	
63-5005	LOCK INSERT, 1 PR.	1	
63-5006	LOCK BARRELS	2	
80-0008	COIN MECH; SLUGBUSTER	1	
90-0154	SCREW, 10-32 X 5/16"	3	
90-0248	THUMBSCREW, 8-32 X 3/8	1	
90-0275	LOCK BOLT	2	
90-0301	NUT, 10-24 X 3/8"	4	
90-0326	LOCKNUT, 10-24 X 3/8"	2	
90-0331	HEX NUT, 1/4-20	17	
90-0336	LOCK NUT, SPRING LOADED	2	
90-0342	SCREW, 1/4-20 FLAT HEAD	10	
90-0403	LOCKWASHER, 1/4" INTERNAL	17	
90-0431	LOCKNUT, 1/4-20	1	
90-0612	LOCKWASHER, #10 INTERNAL	4	

APPENDIX A 3CH / 3CH-R HARNESS PART # 48-1009A



HAMILTON MANUFACTURING CORP. LIMITED WARRANTY

HAMILTON MANUFACTURING CORP. warrants to the original owner all new equipment sold by it be free from defective material and factory workmanship. We will repair or replace (at our option) any part of the equipment which proves to be defective in material or factory workmanship within a period twelve (12) months from the original shipping date.

All warranty repair service will be performed by:

HAMILTON MFG. CORP. 1026 Hamilton Drive Holland, Ohio 43528 Ph: (800) 837-5561 (419) 867-4858 Fax: (419) 867-4867

or a Factory Trained Service Representative.

CONDITIONS

Conditions applying to this warranty are as follows:

- 1. This warranty will not apply to any equipment which has been, in our opinion, subject to: accident, abuse, misuse, neglect, improper maintenance or repair.
- 2. We will not be responsible for any expense incurred by the purchaser incidental to the repair or replacement of equipment covered by this warranty.
- 3. Any and all freight charges will be the responsibility of the purchaser.
- 4. There is no warranty on expendable parts.
- 5. This warranty is valid only when the warranty registration card is on file with HAMILTON MANUFACTURING CORP.
- If the equipment is for use with a currency other than the currency of the United States of America, we make no warranty.
- 7. We make no warranty that counterfeit currency will not activate the equipment.
- 8. We make no warranty and provide no coverage for losses due to bill manipulation or for theft or loss of cash under any circumstances.
- 9. No person is authorized or permitted to make any other warranty on our behalf, or to obligate us to any liability not strictly in accordance with this warranty.

NO OTHER WARRANTIES. To the maximum extent permitted by applicable law, Hamilton Manufacturing Corp. disclaims all other warranties, either expressed or implied, including but not limited to implied warranties of merchantability and fitness for a particular purpose. This limited warranty gives you specific legal rights. You may have others which vary from state/jurisdiction to state/jurisdiction.

NO LIABILITY FOR CONSEQUENTIAL DAMAGES. To the maximum extent permitted by applicable law, in no event shall Hamilton Manufacturing Corp. be liable for any damages whatsoever (including without limitation, direct or indirect damages for personal injury, loss of business profits, business interruption, loss of business information, or any other pecuniary loss) arising out of the use or inability to use this product in any case, even if Hamilton Manufacturing Corp. has been advised of the possibility of such damages, Hamilton Manufacturing Corp.'s entire liability shall be limited to repair or replacement of the product. Because some states/jurisdictions do no allow the exclusion or limitation of liability for consequential or incidental damages, the above limitation may not apply to you.

HAMILTON

Sales Phone: (888) 723 - 4858 or (419) 867 - 4858 **Sales Fax:** (419) 867 - 4850 **Service Phone:** (800) 837 - 5561 **Service Fax:** (419) 867 - 4867

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