

PERIPHERALS

MODULE 8

MK8-SVMOD-0001
PERIPHERALS

For Customer Service and information: +1-702-896-7772 Outside the U.S. 1-877-GO-BALLY (877) 46-22559 in the U.S. and Canada 896-7772 in Las Vegas FAX: +1-702-896-7710

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Coin Acceptors



Coin Mechanisms CC-16

Power Requirements:

Fixed VDC Models, 11.5 to 12.5 VDC.

General

Feed Rate, 7 Coins per second. Operating temperature recommended 0° to 60° C.

Installing Sample Coin (CC-16, 62, & 46)

Slide the sensor coil assembly to the right. Replace the sample with the desired coin, and then carefully release. When seated, the coin will rest parallel between the sensor coil assembly and the ribs on the rail insert.

Wiring

The CC-16 Printed Circuit Board requires a 6 pin JST terminated interface. The following drawing denotes the typical voltage line pinouts to the Printed Circuit Board.

- Inhibit input, 12 VDC models only. Triac load, all others.
- 2. Sense output
- 3. 48 Volt
- 4. 24 Volt
- 5. 12 Volt
- 6. Ground

1 2 3 4 5 6

Potentiometer Adjustment (CC-16, 62, & 46)

Using a high quality slug, adjust the potentiometer clockwise until the slug is rejected. Drop good coins through to ensure accurate acceptance.

Coin Mechanisms CC-62

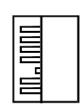
Power Requirements:

Voltage Range, 11.5 VDC to 12.5 VDC.

Wiring

The CC-62 Printed Circuit Board requires a 7-pin AMP right-angel locking connector interface.

- 1. Ground
- 2. Coin Sense
- 3. Error
- 4. Credit
- 5. Key
- 6. 12 Volt
- 7. Inhibit



3

4

Two Separate Outputs

When the sensing coils sense a good coin, a pulse is sent out to the host machine. Following this, the accept gate opens, and as the coin passes the LED optics, a credit pulse is also sent out to the host machine. Together these two pulses provide optimum security against cheating. The host machine can be configured to recognize a valid coin only when both outputs have been detected.

Coin Mechanisms CC-46

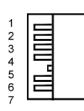
Power Requirements:

Voltage Range, 11.5 to 15 VDC.

Wiring

Mating connector is an AMP P/N 770602-7 (terminals 770666-1 or Molex P/N 22-01-3077. Series 2695 Housing (terminals 2795 or 6459 Series).

- 1. Ground
- 2. Coin Sense
- 3. Error
- 4. Credit
- 5. Key
- 6. +12 VDC





Coin Mechanisms CC-46 (cont.)

LED Feature

The CC-46 incorporates a bi-color (red and green) LED on the front cover to indicate the operating status of the mechanism. Green indicates it's enabled. Red indicates it's disabled.

General Features

Feed Rate: 8 Coins per second

Operating temperature: recommended 0° to 60°C. Inhibit: Allows you to disable the device without

removing power from the unit.

Error: Alerts the machine of a malfunction or tampering

of the device.

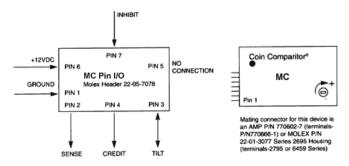
Credit Signal: This is an output which occurs for every

valid coin accepted through the device.

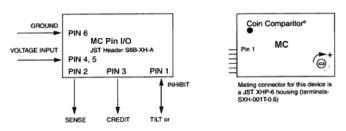
Sense Signal: This is an output which indicates a valid

coin has passed the sensor coils.

Micro Comparitor MC (Replacement for CC-16 and CC-62)



CC-16 Emulation



CC-62 Emulation



Coin Controls International 2925 E Patrick Lane, Suite C, Las Vegas, NV 89120 +1 702 739-8263

Condor CN103

Power Requirements:

Voltage, 12 VDC to 32 VDC

General

Operating temperature: 0° to 60° C.
Maintainable life of 20 million coins.
Coinage: Accepts coins within the diameter range of .59-1.75" (15-44.5 mm) and the thickness range of .059-.148" (1.5-3.75 mm).

Wiring

Connector 1	Pin 1 Inhibit all.
	Pin 2 VACS +6V
	Pin 3 +12 to 32 VDC
	Pin 4 +12 to 32 VDC
	Pin 5 +12 to 32 VDC

Pin 6 +0V

Connector 2 Pin 1 Accept (b) NPN

generation

Pin 2 VACS NPN
Pin 3 Alarm
Pin 4 Error

Connector 3 Serial Port Connector 4 LCD display

Alarm

Open collector NPN is activated for 2 seconds with inhibit all. This condition occurs when coins travel in reverse, too slowly or block the opto beams. A continuous yellow LED will result for the duration of the alarm. During this time a pulse will appear on the error pin.

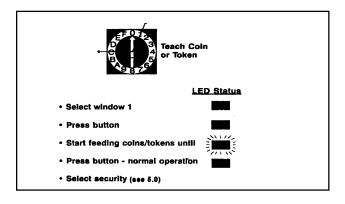
Condor CN103 (cont.)

Error

When a critical failure is detected at power up a 500ms pulse will be given on the error line and will repeat every 2 seconds. The LED will flash red and all coins will be inhibited.

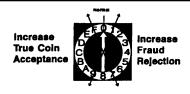
Teach and Run™ Programming

Follow these steps to program:



Security

The acceptance window can be adjusted to increase fraud rejection or increase coin acceptance.



- · Clockwise (Increase fraud rejection)
- · Anticlockwise (increase true coin acceptance)
- 0 (Normal)



National Rejectors, Inc. GmbH Postfach 1461 D-2150 Buxtehude, Germany

G-13, 0000 Coin Acceptor

Power Requirements:

12 VDC +3/-1 Volts tolerances

General:

Operating temperature 0° to 55° C. Acceptance: Up to 6 different coins Diameter: between .59" and 1.22" (15 and 31mm). Thickness of coins: between .059" and .1" (I.5 and 2.6 mm)

Dimensions: Height: 4" (102 mm) Width: 3.5" (89 mm) Depth: 2" (52 mm). Temperature range 0 C up to +55 C

Coin inhibit

A common blocking line for all coins is available. Single coin inhibit may be achieved by DIP switches on the G-13.

Measuring principle

Three inductive sensors are arranged to detect material, thickness, diameter and embossing of coins as they pass. The passing coin activates the sensors, providing different voltage measuring values. These voltages are digitized and processed within the microprocessor.

Programming of acceptor

A standard computer (IBM PC or compatible) allows programming of the acceptor for any coin acceptance. Programming means just the insertion of a coin which should be accepted. Please refer to the document "Use of program PROEMP."

Wiring

- 1. Ground
- 2. +12 VDC
- 3, 4, 7, 8, 9, 10. Coin Signals



Coin Signals: <.07 volts active low / 150 mA Open collector NPN. I max = 150 mA, Umax = 35 volts. Time of pulses: 100 msec +/- 10%.

- 5. N.C.
- 6. Coin Inhibit



Bill Acceptors



North Las Vegas, NV 89031 Tel: +1 702 651 0000 Fax: +1 702 651 0003 Toll Free: 1-800-683-7248

JCM WBA-SS Bill Acceptor

Power Requirements:

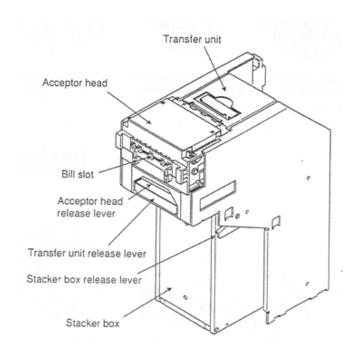
Voltage Range, 95 to 135 VAC with power supply 50 to 60 Hz, or 12 VDC max 20 VA.

General

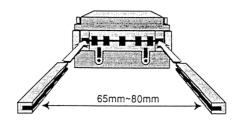
Magazine capacity 600 notes.

Operating temperature recommended 0° to 45° C.

Component Identification



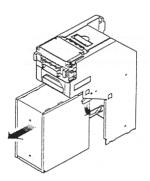
Adjustable Bill Slot



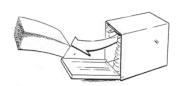
The WBA-SS has the ability to read a wide range of bill sizes. Four adjustment guides are available for bills that are 65 mm to 80 mm wide.

Collecting Bills

Collect bills by pressing the release lever and pulling the stacker box towards you.



Open the stacker box cover and remove the bills inside.

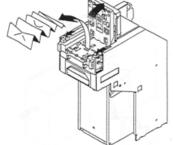


Bill Jams

jammed bill.

Remove jammed bills from the bill head by moving the release catches on both sides of the head towards you.

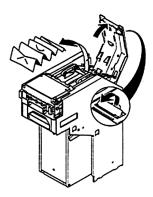
Open the acceptor head to access the



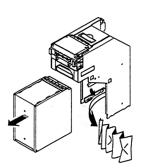
JCM WBA-SS Bill Acceptor (cont.)

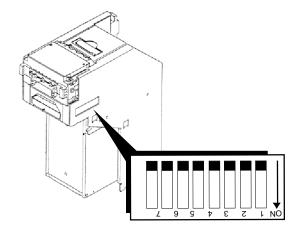
WBA DIP Switch Selection

Remove jammed bills from the transfer area by pulling the access lever and opening the top cover.



Occasionally, a bill jams near the inlet of the stacker box. Push the release lever of the stacker box and remove it to access the jammed bill.

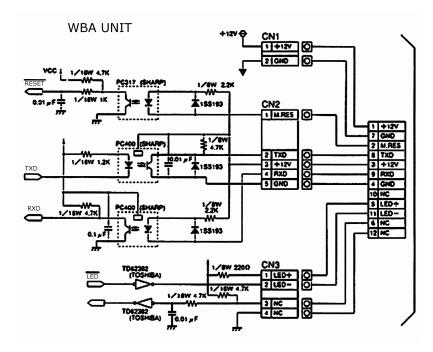




WBA DIP Switch Selection		
Switch	ON	OFF
1	Reject \$1	Accept \$1
2	Must be set to OFF	OFF
3	Reject \$5	Accept \$5
4	Reject \$10	Accept \$10
5	Reject \$20	Accept \$20
6	Reject \$50	Accept \$50
7	Reject \$100	Accept \$100
8	Must be set to OFF	OFF

Interface

The WBA-SS uses an ID-003 interface. The ID-003 interface is a bidirectional serial interface. The machine is able to receive status reports from the WBA in response to appropriate commands.



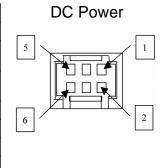


JCM DBV-200

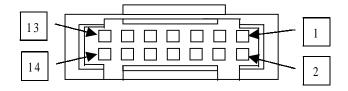
Power Requirements +12VDC

Wiring

DBV-200 Power			
Pin#	Signal	Function	
1	Power Supply	+12VDC	
2	Power Supply	Ground	
3	NC	Not Used	
4	NC	Not Used	
5	NC	Not Used	
6	NC	Not Used	

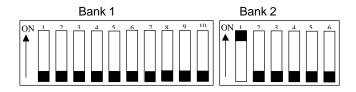


Interface



DBV-200 Connection			
Pin#	Signal	Function	
1	NC	Not Used	
2	NC	Not Used	
3	Busy	Indicates that the validator is in operation	
4	Soft Reset	Signal to clear ABN (abnormal) or STKF (stacker full) signal.	
5	Data	Terminal to output communication message.	
6	CTS	Signal allows to send any communication message.	
7	Ground	Ground	
8	LED Power	Power supply to drive LED	
9	NC	Not Used	
10	Disable/- Enable	Validator can accept bill when Low, and can not accept when High	
11	RTS	Confirms the start of communication message.	
12	NC	Not Used	
13	NC	Not Used	
14	ABN	To be output when the validator is in trouble, or when the stacker is full.	

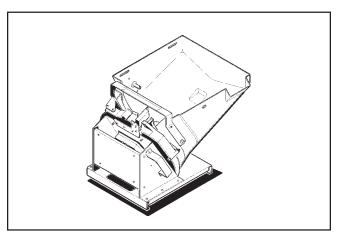
DIP Switch Selection



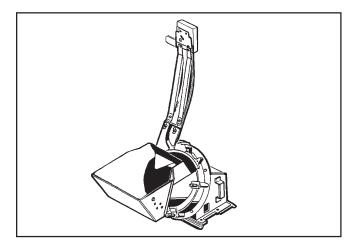
DBV-200 Bank 1 Switch Selections		DBV-200 Bank 2 DIP Switch Selections			
Switch	ON	OFF	Switch	ON	OFF
1	Reject \$1	Accept \$1		With	Without
2	Reject \$5	Accept \$5	11	Stacker	Stacker
3	Reject \$10	Accept \$10	2	Must be set to OFF	OFF
4	Reject \$20	Accept \$20	2	Must be set to OFF	OFF
5			3	Must be set to OFF	OFF
5	Reject \$50	Accept \$50	4	Must be set to OFF	OFF
6	Reject \$100	Accept \$100	5	Must be set to OFF	OFF
7	Must be set to OFF	OFF	6	Test Mode	Normal
8	Must be set to OFF	OFF			
9	Must be set to OFF	OFF			
10	ID-045	ID-044			

Hoppers

Bally Gaming and Systems products use the XS-1200 Standard hopper. Some cabinet styles may use hoppers manufacutred by Asahi Seiko, Inc.



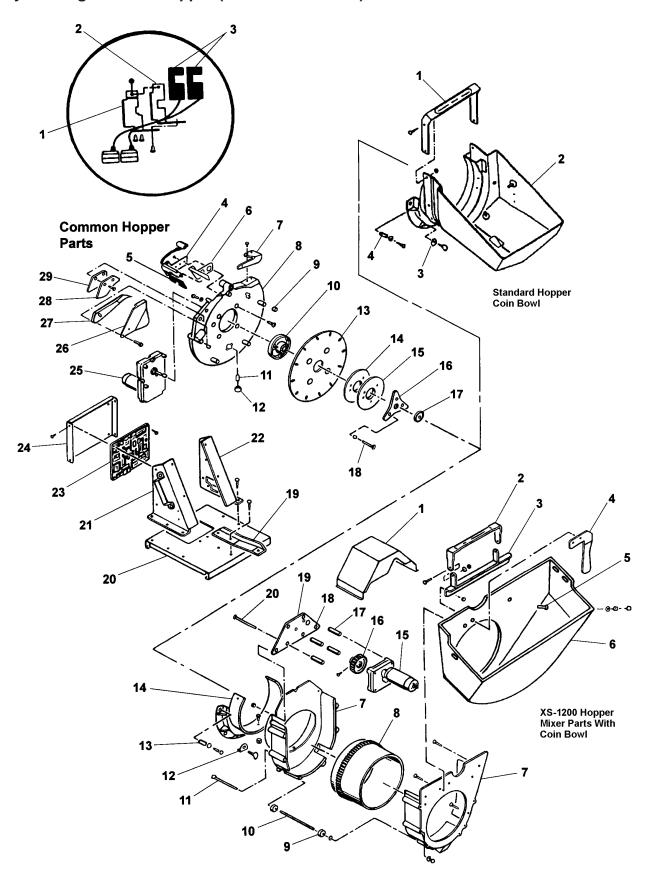
Bally XS-1200 Standard Hopper



Asahi Seiko Hopper



Bally Gaming XS-1200 Hopper (AS-04787-SERIES)



Bally Gaming XS-1200 Hopper (AS-04787-SERIES) (cont.)

XS1200 Hopper Parts

Description **Item** Part # 1. P-09319-0512 Bracket, Outer Mounting 2. P-09319-0511 Bracket, Inner Mounting Optic Switch Assembly (2) 3. E-00733-0008 4. P-09319-0204 Bracket, Hopper Optic Guard, Outer 5. E-00733-0008 Optic Switch Assembly (Single) Screw TFPP-00632-1114 6. P-09319-0203 Bracket, Hopper Optic Guard, Inner 7. P-00845 Wiper 8. M-03073-0002 Wheel Housing, Hopper S-00231-0978 Spacer 10. M-03072-001B Drive Coupling, Pinwheel, Hopper S-02562-001A Roller Shaft 11 12. M-03009-A001 Roller (3) Pin Wheel, 12 Pin (1.00Token) P-00842-011B 13. P-00482-010B Pin Wheel, 15 Pin (25¢) Pin Wheel, 16 Pin (5¢) P-00482-009B Pin Wheel (5.00 Token) A-04308-001A P-00847-0024 Spacer, Shelf Wheel (5.00 Token) 14. Shelf Wheel (25¢) .836" (21,23 15. P-00847 mm) To .902" (22,91 mm) Diameter X .062" (1,58 mm) Width 16. Agitator, 5¢ to \$1 R-00526-0003 Cup, Washer, Pin Wheel Hold Down 17. S-02569-0002 18. S-00231-0825 Bushing, Agitator Mounting Bracket, Counter Balance P-09278-0004 19. Adjustment, Super (mixer) Hopper P-09278-0005 Bracket, Counter Balance Adj. Bracket, Counter Balance P-09278-0008 Adjustment, V72, NLS-25020-1112 Nut MSOH-25020-1124 Screw Platform Bracket, (mixer) 20. P-09277-001B Bracket, Hopper Mounting, Left 21. P-09263-0005 TFPP-00832-1106 Screw (6) 22. P-09263-0006 Bracket. Hopper Mounting, Right Screw (6) TFPP-01032-1106 23. AS-03356-0363 Hopper Control Board 24. P-06629-523A Bracket, PCB TFPP_00832-1104 Screw (4) LSPP-00632-1108 Screw (4) 25. Motor, Pinwheel, Hi-Torque, 24RPM E-00119-0532 P-00838-0011 **Outlet Cover** 26. P-00838-006B Outlet Cover, 5¢ & 25¢ Outlet Cover, 5¢-50¢ P-00838-0009 P-00838-007A Outlet Cover, 1.00 Token P-00838-005A Outlet Cover, 5.00-100.00 Token P-00838-0008 Outlet Cover, 5.00-100.00 Token P-00838-0012 Outlet Cover, 5.00-100.00 Token 27. M-03068-0006 Knife, Coin, Up To 1.625" (41,28mm) Diameter M-03068-0007 Knife, Coin, Over 1.625" (41,28mm) Diameter 28. P-00839 Coin Deflector P-00839-0004 Coin Deflector, 1.00, 5.00, 25.00, 100.00 Token MSPF-0832-1106 Screw (2) 29. Spacer, Deflector Plate P-09291-001B

XS1200 Hopper With Mixer Parts

Item	Part #	Description
1.	M-03082-001A	Cover, Mixer Drive
2.	P-06264-0309 TFPP-01032-1108	Handle Screw
3.	A-04349-0002	Bracket, Handle Mounting
0.	NLS-00832-1112	Nut (2)
	M-00319-0001	Stop Nut, Elastic (2)
4.	P-09295-002D	Baffle
	NLS-00832-112	Nut (2)
5.	S-00463-0053	Pin, Level Contact (Probe)
	P-00800-0006	Washer (2)
	NLS-00832-112	Nut (2)
6.	M-03048-0013	Coin Bowl, V7K
	M-03048-0015	Coin Bowl, S6K
	A-04394-0001	Grounding Stud
7.	AS-03368-0001	Assembly, Hopper Mixer Front/
		Back Bracket
8.	M-03047-001A	Mix Cylinder
9.	M-03066-001A	Roller (4)
	P-02891-0006	Retainer Ring
10.	S-02558-001A	Shaft Roller (2)
11.	TFPP-00832-1924	Screw (6)
12.	M-01348-0043	Thumbscrew
13.	SP-00200-0203	Spring (2)
	MSPT-01032-110B	Nut (2)
	PW-00010-0012	Washer (2)
14.	M-03074-001B	Adaptor
	NLS-00832-0112	Nut (2)
	MSPT-01032-1108	Screw (3)
	NLS-01032-1112	Screw (3)
15.	E-00119-0529	Mixer Cylinder Motor
16.	M-03069-001B	Drive Gear Hopper
	CPAO-01032-1804	Set Screw
17.	S-00231-0979	Spacer (4)
	S-00231-0978	Spacer (4)
	NLS-00832-1112	Nut (2)
18.	R-00111-0029	Rubber Grommet For Elec.Wire
19.	P-09276-0002	Bracket, Drive Motor
20.	MSPF-00832-1132	Screw

Standard Hopper Coin Bowl

Item	Part #	Description
1.	P-09334-002B	Handle
2.	M-03048-0015	Coin Bowl, S6K, V8K
	M-03048-0012	Coin Bowl, V7K
	M-03048-0017	Coin Bowl, V7 Casino
	M-03048-0019	Coin bowl, V72
	S-00463-0053	Pin,Level Contact
3.	P-09278-003A	Retaining Bracket
	M-01348-0043	Thumbscrew
4.	SP-00200-203	Spring (2)

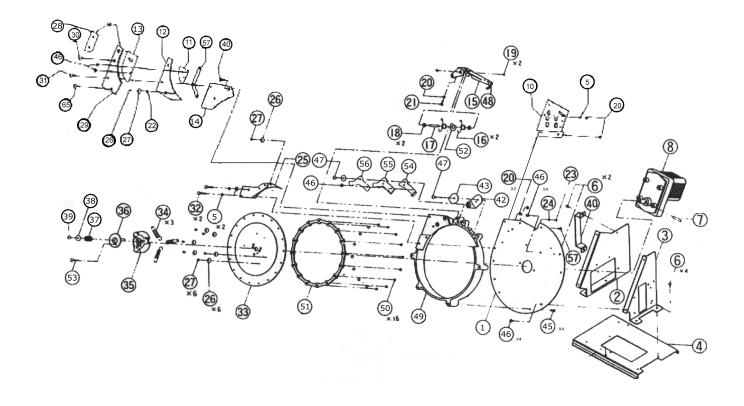


Asahi Seiko Hoppers



Asahi Seiko USA, Inc. 6644 Paradise Road Las Vegas, NV 89119 +1 702 260 6666

Asahi Seiko DH-750 Hopper, Model 53, Slant Top (AS-03105-SERIES)



DH-750 Model 53 Hopper Assembly

Asahi Seiko Hoppers (cont.)

DH-750 Model 53, Slant Top Coin Hopper (cont.)

Item#	Bally Part #	Asahi Seiko Part #	Description
1		DH7991M025001	PLATE, CHASSIS
2		DH7534M025002	FRAME, SIDE (R)
3		DH7534M025003	FRAME, SIDE (L)
4		DH7534M025004	PLATE. BASE
5		W4000SW99	WASHER, M4 SPLIT
6		S4006RHSW	SCREW, M4x6 W/SW
7	ASH-05000-0005	DH7001M025007	PIN, MOTOR DRIVE
8	ASH-05000-0040	DH7004M025008	MOTOR, 24VDC (DME44S7C-272)
9		DH7001M025055	HANDLE
10	ASH-05000-0097	DH7101M025536	BRACKET, ESCALATOR MOUNTING
11	ASH-05000-0168	DH7101M005530	GUIDE, TRANSITION (R), US 5¢
	ASH-05000-0094	DH7101M025530	GUIDE, TRANSITION (R), US 25¢
	ASH-05000-0044	DH7101M10T530	GUIDE, TRANSITION (R). \$1 TOKEN
12	ASH-05000-0169	DH7101M005531	GUIDE, TRANSITION (L). US 5¢
	ASH-05000-0095	DH7101M025531	GUIDE, TRANSITION (L), US 25¢
	ASH-05000-0045	DH7101M10T531	GUIDE, TRANSITION (L), \$1 TOKEN
13	ASH-05000-0077	DH7534M025529	COVER, TRANSITION (R)
14:	ASH-05000-0096	DH7101M025534	PLATE, COIN SLIDE
15	ASH-05000-0043	DH7101M025015	ROLLER LEVER, ESCALATOR
16	ASH-05000-0006	DH7001M025016	SPRING. ROLLER LEVER
17	ASH-05000-0007	DH7001M025017	PIN, ROLLER LEVER
18	ASH-05000-0008	DH7001M025018	BEARING, ROLLER LEVER
19	ASH-05000-0112	W3000ER99	03 E-RING
20		N4000HX99	NUT, M4
21		B4012HX99	BOLT, M4x12
22	ASH-05000-0113	W3008FW08	WASHER, 3x8x0.8 FLAT
23	ASH-05000-0106	S3010RH99	SCREW, M3x10
24	ASH-05000-0086	N3000HX99	NUT, M3
25	ASH-05000-0002	DH7001M005025	KNIFE, US 5¢
	ASH-05000-0009	DH7001M025025	KNIFE, US 25¢
	ASH-05000-0034	DH7001M10T025	KNIFE, \$1 TOKEN
26	ASH-05000-0010	DH7001M025026	BOSS. PLASTIC
27	ASH-05000-0011	DH7001M025027	SCREW. BEVEL-HEADED
28		DH7101M10T538	COVER, TRANSITION (L) \$1T
29	ASH-05000-0099	DH7101M025538	COVER, TRANSITION (L)
30		S4012HXSS	SCREW, M4x12 UPSET SF SS
31		S4025HXSS	SCREW, M4x25 UPSET SF SS

Item #	Bally Part #	Asahi Seiko Part #	Description
32	ASH-05000-0001	B4025HXSS	BOLT, M4x25, SS
33	ASH-05000-0003	DH7001M005033	DISC, US 5¢
	ASH-05000-0012	DH7001M025033	DISC. US 25¢
	ASH-05000-0035	DH7001M10T033	DISC. \$1 TOKEN
34	ASH-05000-0013	DH7001M025034	SPRING, STIRRING
35	ASH-05000-0014	DH7001M025035	COVER, SPRING
36	ASH-05000-0015	DH7001M025036	HOLDER. SPRING
37	ASH-05000-0016	DH7001M025037	SPRING, DISC
38		W4015FW10	WASHER, 4x15x1.0 FLAT
39	ASH-05000-0170	S4008LHSS	SCREW. M4x8 TRUSS HEAD SS
40	ASH-05000-0108	S4015CS99	SCREW, M4x15 COUNTERSUNK
41		W4010FW10	WASHER, 4x10x1.0 FLAT
42	ASH-05000-0029	DH7001M025073	SEPARATOR, COIN
43	ASH-05000-0030	DH7001M025074	RETAINER, SEPARATOR
	ASH-05000-0037	DH7001M10T074	RETAINER, SEPARATOR. \$1 TOKEN
44		S4010HXSS	SCREW, M4x10 UPSET SF SS
45		S4015HXSS	SCREW, M4x15 UPSET SF SS
46		S3010HXSS	SCREW, M3x10 UPSET SF SS
47		S4012HXSS	SCREW, M4x12 UPSET SF SS
48		S4008HXSW	SCREW, M4x8 UPSET SW SS
49	ASH-05000-0022	DH7001M025057	CAST FRAME
50		DH7001M025058	06 BALL BEARING
51		DH7001M025059	RETAINER, BEARING
52		DH7001M025064	WASHER, ROLLER LEVER
53		S4025LHSS	SCREW, M4x25 LARGE HEAD SS
54		DH7001M005070	PLATE, ADJUSTING, US 5¢
	ASH-05000-0026	DH7001M025070	PLATE, ADJUSTING, US 25¢
		DH7001M10T070	PLATE, ADJUSTING, \$1 TOKEN
55		DH7001M005071	RUBBER, JUMP, US 5¢
	ASH-05000-0027	DH7001M025071	RUBBER, JUMP, US 25¢
	ASH-05000-0036	DH7001M10T071	RUBBER, JUMP. \$1 TOKEN
56	ASH-05000-0004	DH7001M005072	COVER. JUMP, US 5¢
	ASH-05000-0028	DH7001M025072	COVER, JUMP
57		DH7514M025650	SHIM, TRANSITION (L) O.3t
		DH7514M10T650	SHIM, TRANSITION (L) 0.5t
58		S4020HXSS	SCREW, M4x20 UPSET SF SS



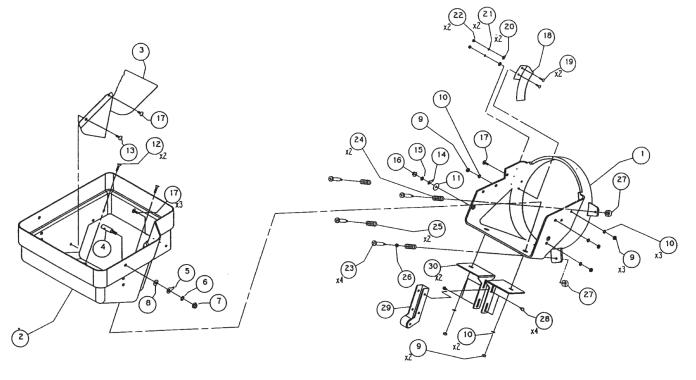


Asahi Seiko Hoppers (cont.)

DH-750 Model 53, Slant Top Bowl Assembly (Plastic)



Item #	Bally Part #	Asahi Seiko Part #	Description
1		DH7031M025322	SCOOP. ALUMINUM
2		DH7534M025950	BOWL, HOPPER (PLASTIC)
3		DH7031M025046	PLATE, REGULATOR
4		DH7011M025153	.PROBE PIN
5		DH7011M025093	05 WIRE TERMINAL
6		W5000SR99	WASHER, M5,STAR
7		N5000SN99	NUT.M5 SHOULDER
8		W5012FVW08	WASHER, 5x12X0.8 FLAT
9		M4000HX99	NUT, M4
10		W4000SW99	WASHER, M4 SPLIT
11		W4015FW10	WASHER, 4x15x1.0 FLAT
12	ASH-05000-0108	S4015CS99	SCREW, M4X15 COUNTERSUNK
13	ASH-05000-0109	S4015LHSS	SCREW, M4x15 LARGE HEAD SS
14		DH7011M025307	04 WIRE TERMINAL
15		W4000SR99	WASHER. M4 STAR
16		N4000SN99	NUT, M4 SHOULDER
17		S4012LH99	SCREW. M4x12 LARGE HEAD
18	ASH-05000-0021	DH7001M025052	INSULATOR
19		S3010LH99	SCREW. M3x10 LARGE HEAD
20	ASH-05000-0113	W3008FW05	WASHER, 3x8x0.5 FLAT
21		W3000SW99	WASHER. M3 SPLIT
22	ASH-05000-0086	N3000HX99	NUT, M3
23	ASH-05000-0018	DH7001M025047	SCREW, BOWL MOUNTING
24	ASH-05000-0019	DH7001M025048	SPRIN6. BOWL MOUNTING, UPPER
25	ASH-05000-0020	DH7001M025049	SPRING, BOWL MOUNTING, LOWER
26	ASH-05000-0104	N4006HX99	NUT, M4 SMALL
27	ASH-05000-0038	DH7001M10T081	COLLAR. SPACING (\$1 TOKEN ONLY)
28		S4008RHSF	SCREW, M4x8 W/SW & FW
29		DH7031M025324	ROLLER, SUPPORT
30		DH7534M025325	BRACKET, SUPPORT

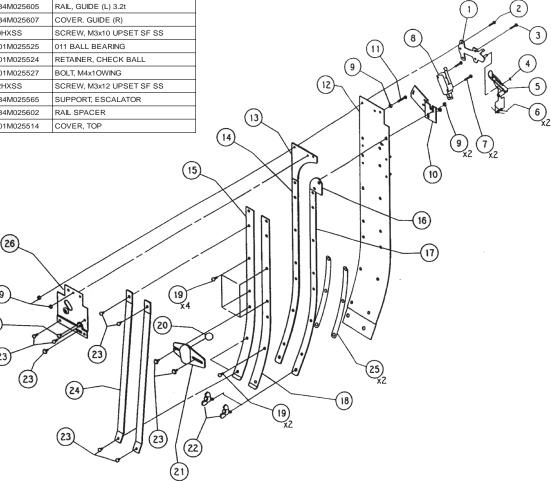


Asahi Seiko Hoppers (cont.)

Item #	Bally Part #	Asahi Seiko Part #	Description
1	ASH-05000-0020	DH7101M025516	PLATE, ACTUATOR MOUNTING
2		S3010HXSW	SCREW, M3x10 UPSET SW SS
3		S3012HXSW	SCREW, M3x12 UPSET SW SS
4	ASH-05000-0111	W2000ER99	02 E-RING
5	ASH-05000-0088	DH7101M025522	ACTUATOR, M/S INBOARD
6	ASH-05000-0089	DH7101M025523	SPRING, ACTUATOR
7		S3013RH99	SCREW, M3x13
8	ASH-05000-0140	DH7534M025068	MICROSWITCH (D44L-R1LD)
	ASH-05000-0039	DH7001P025013	PROXIMITY SENSOR
9	ASH-05000-0086	N3000HX99	NUT, M3
10		DH7301M025069	BRACKET. M/S MOUNTING (INBOARD)
11		S3016RH99	SCREW, M3x16
12		DH7534M005601	PLATE, BACK US 5¢
		DH7534M025601	PLATE, BACK US 25¢
		DH7534M10T601	PLATE, BACK \$1T
13		DH7301M005507	GUIDE, TOP (L) US 5¢
	ASH-05000-0047	DH7301M025507	GUIDE. TOP (L) US 25¢
	ASH-05000-0052	DH7301M10T507	GUIDE. TOP (L) \$1T
14		DH7534M005604	RAIL. GUIDE (L) 2.5t
		DH7534M025604	RAIL. GUIDE (L) 2.0t
		DH7534M10T604	RAIL, GUIDE (L) 3.2t
15		DH7534M025606	COVER. GUIDE (L)
16	ASH-05000-0160	DH7301M005560	GUIDE, TOP (R) US 5¢
	ASH-05000-0049	DH7301M025560	GUIDE, TOP (R) US 25¢
17		DH7534M005605	RAIL. GUIDE (L) 2.5t
		DH7534M025605	RAIL, GUIDE (L) 2.0t
		DH7534M025605	RAIL, GUIDE (L) 3.2t
18		DH7534M025607	COVER. GUIDE (R)
19		S3010HXSS	SCREW, M3x10 UPSET SF SS
20	ASH-05000-0091	DH7101M025525	011 BALL BEARING
21	ASH-05000-0090	DH7101M025524	RETAINER, CHECK BALL
22	ASH-05000-0092	DH7101M025527	BOLT, M4x1OWING
23		S3012HXSS	SCREW, M3x12 UPSET SF SS
24	ASH-05000-0079	DH7534M025565	SUPPORT, ESCALATOR
25		DH7534M025602	RAIL SPACER
26	ASH-05000-0048	DH7301M025514	COVER, TOP

DH-750 Model 53, Slant Top Escalator Assembly

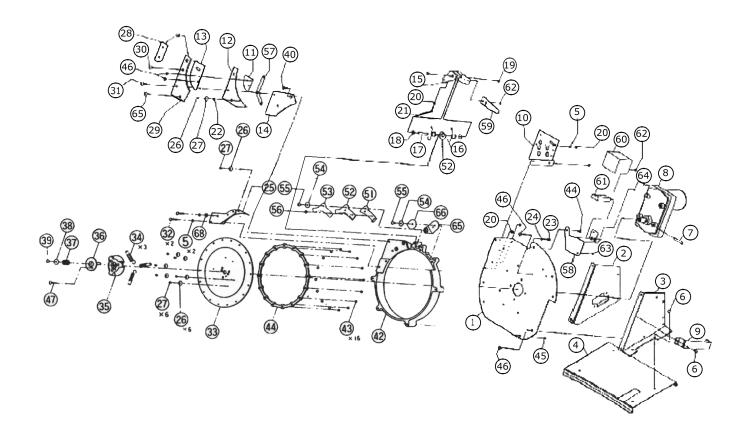






Asahi Seiko Hoppers (cont.)

Asahi Seiko DH-750 Hopper Model 51, Bar Top (AS-03107-SERIES)



DH-750 Model 51 Hopper Assembly

Asahi Seiko Hoppers (cont.)

Asahi Seiko DH-750 Hopper Model 51, Bar Top (AS-03107-SERIES) (cont)

Item #	Bally Part #	Asahi Seiko Part #	Description	
1		DH7991M025001	PLATE, CHASSIS	
2		DH7534M025002	FRAME, SIDE (R	
3		DH7514M025003	FRAME, SIDE (L	
4		DH7534M025004	PLATE. BASE	
5		W4000SW99	WASHER, M4 SPLIT	
6		S4006RHSW	SCREW, M4x6 W/SW	
7	ASH-05000-0005	DH7001M025007	PIN, MOTOR DRIVE	
8	ASH-05000-0040	DH7004M025008	MOTOR, 24VDC (DME44S7C-272)	
9		DH7001M025055	HANDLE	
10	ASH-05000-0097	DH7101M025536	BRACKET, ESCALATOR MOUNTING	
11	ASH-05000-0168	DH7101M005530	GUIDE, TRANSITION (R), US 5¢	
		DH7101M025530	GUIDE. TRANSITION (R), US 25¢	
	ASH-05000-0044	DH7101M10T530	GUIDE. TRANSITION (R). \$1 TOKEN	
12	ASH-05000-0169	DH7101M005531	GUIDE, TRANSITION (L), US 5¢	
		DH7101M025531	GUIDE, TRANSITION (L), US 25¢	
	ASH-05000-0045	DH7101M10T531	GUIDE, TRANSITION (L), \$1 TOKEN	
13	ASH-05000-0077	DH7534M025529	COVER, TRANSITION (R)	
14	ASH-05000-0096	DH7101M025534	PLATE, COIN SLIDE	
15		DH7514M025918	LEVER, ROLLER	
16	ASH-05000-0006	DH7001M025016	SPRING, ROLLER LEVER	
17	ASH-05000-0007	DH7001M025017	PIN, ROLLER LEVER	
18	ASH-05000-0008	DH7001M025018	BEARING, ROLLER LEVER	
19	ASH-05000-0112	W3000ER99	03 E-RING	
20		N4000HX99	NUT, M4	
21		B4012HX99	BOLT, M4x12	
22	ASH-05000-0113	W3008FW08	WASHER, 3x8x0,8 FLAT	
23	ASH-05000-0106	S3010RH99	SCREW, M3x10	
24	ASH-05000-0086	N3000HX99	NUT, M3	
25	ASH-05000-0002	DH7001M005025	KNIFE, US 5¢	
	ASH-05000-0009	DH7001M025025	KNIFE. US 25¢	
	ASH-05000-0034	DH7001M10T025	KNIFE, \$1 TOKEN	
26	ASH-05000-0010	DH7001M025026	BOSS, PLASTIC	
27	ASH-05000-0011	DH7001M025027	SCREW, BEVEL-HEADED	
28		DH7101M10T538	COVER, TRANSITION (L) \$1T	
29	ASH-05000-0099	DH7101M025538	COVER, TRANSITION (L)	
30		S4012HXSS	SCREW, M4x12 UPSET SF SS	
31		S4025HXSS	SCREW, M4x25 UPSET SF SS	
32	ASH-05000-0001	B4025HXSS	BOLT. M4x25, SS	
33	ASH-05000-0003	DH7001M005033	DISC, US 5¢	
	ASH-05000-0012	DH7001M025033	DISC, US 25¢	
	ASH-05000-0035	DH7001M10T033	DISC, \$1 TOKEN	
34	ASH-05000-0013	DH7001M025034	SPRING, STIRRING	
35	ASH-05000-0014	DH7001M025035	COVER, SPRING	
36	ASH-05000-0015	DH7001M025036	HOLDER, SPRING	

Item #	Bally Part #	Asahi Seiko Part #	Description	
37	ASH-05000-0016	DH7001M025037	SPRING, DISC	
38		W4015FW10	WASHER, 4x15x1.0 FLAT	
39	ASH-05000-0170	S4008LHSS	SCREW. M4x8 TRUSS HEAD SS	
40	ASH-05000-0108	S4015CS99	SCREW. M4x15 COUNTERSUNK	
41		W4010FW10	WASHER, 4x10x1.0 FLAT (US 5¢ ONLY)	
42	ASH-05000-0029	DH7001M025073	SEPARATOR, COIN	
43	ASH-05000-0030	DH7001M025074	RETAINER, SEPARATOR	
	ASH-05000-0037	DH7001M10T074	RETAINER, SEPARATOR. \$1 TOKEN	
44		S4010HXSS	SCREW, M4x10 UPSET SF SS	
45		S4014HXSS	SCREW. M4x14 UPSET SF SS	
46		S3010HXSS	SCREW, M3x10 UPSET SF SS	
47		S4012HXSS	SCREW, M4x12 UPSET SF SS	
48		S4008HXSW	SCREW, M4x8 UPSET SW SS	
49	ASH-05000-0022	DH7001M025057	CAST FRAME	
50		DH7001M025058	06 BALL BEARING	
51		DH7001M025059	RETAINER, BEARING	
52		DH7001M025064	WASHER, ROLLER LEVER	
53		S4025LHSS	SCREW, M4x25 LARGE HEAD. SS	
54		DH7001M005070	PLATE, ADJUSTING, US 5¢	
	ASH-05000-0026	DH7001M025070	PLATE, ADJUSTING, US 25¢	
		DH7001M10T070	PLATE, ADJUSTING, \$1 TOKEN	
55		DH7001M005071	RUBBER, JUMP, US 5¢	
	ASH-05000-0027	DH7001M025071	RUBBER, JUMP, US 25¢	
	ASH-05000-0036	DH7001M10T071	RUBBER, JUMP. \$1 TOKEN	
56	ASH-05000-0004	DH7001M005072	COVER. JUMP, US 5¢	
	ASH-05000-0028	DH7001M025072	COVER, JUMP	
57		DH7514M025650	SHIM, TRANSITION (L) O.3t	
		DH7514M10T650	SHIM, TRANSITION (L) 0.5t	
58		DH7514M025915	BRACKET, OPTIC MOUNTING	
59		DH7514M025916	FLAG, OPTIC	
60		DH7514M025917	COVER, OPTIC	
61		DH7514M025920	OPTIC	
62		N3000LN99	NUT, M3 NYLON LOCK	
63		S3005RHSF	SCREW, M3x5 W/SW & FW	
64		S3595TP99	SCREW, M3.5x9.5 TAPPING	
65		S4020HXSS	SCREW, M4x20 UPSET SF SS	

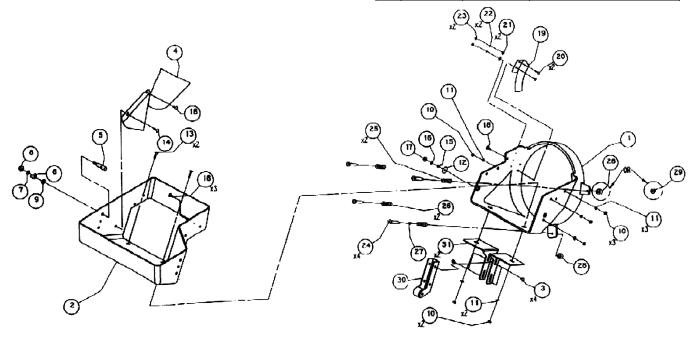




Asahi Seiko Hoppers (cont.)

DH-750 Model 51, Bar Top Bowl Assembly

Item #	Bally Part #	Asahi Seiko Part #	Description	
1		DH7031M025322	SCOOP. ALUMINUM	
2		DH7514M025050	BOWL, HOPPER	
3		S4008RHSF	SCREW, M4x8 W/SW & FW	
4		DH7031M025046	PLATE, REGULATOR	
5		DH7011M025153	PROBE PIN	
6		DH7011M025093	05 WIRE TERMINAL	
7		W5000SR99	WASHER, M5 STAR	
8		N5000SN99	NUT. M5 SHOULDER	
9		W5012PW08	WASHER, 5x12x0.8 FLAT	
10		N4000HX99	NUT, M4	
11		W4000SW99	WASHER, M4 SPLIT	
12		W4015FW10	WASHER, 4x15x1.0 FLAT	
13	ASH-05000-0108	S4015CS99	SCREW. M4x15 COUNTERSUNK	
14	ASH-05000-0109	S4015LHSS	SCREW, M4x15 LARGE HEAD SS	
15		DH7011M025307	04 WIRE TERMINAL	
16		W4000SR99	WASHER, M4 STAR	
17		N4000SN99	NUT, M4 SHOULDER	
18		S4010LH99	SCREW, M4x1O LARGE HEAD	
19	ASH-05000-0021	DH7001M025052	INSULATOR	
20		S3010LH99	SCREW. M3x10 LARGE HEAD	
21	ASH-05000-0113	W3008FW05	WASHER, 3x8x0.5 FLAT	
22		W3000SW99	WASHER, M3 SPLIT	
23	ASH-05000-0086	N3000HX99	NUT, M3	
24	ASH-05000-0018	DH7001M025047	SCREW, BOWL MOUNTING	
25	ASH-05000-0019	DH7001M025048	SPRING, BOWL MOUNTING, UPPER	
26	ASH-05000-0020	DH7001M025049	SPRING, BOWL MOUNTING, LOWER	
27	ASH-05000-0104	N4006HX99	NUT, M4 SMALL	
28	ASH-05000-0038	DH7001M10T081	COLLAR, SPACING (\$1 TOKEN ONLY)	
29		W4010FW16	WASHER, 4x10x1.6 FLAT (5^ ONLY)	
30		DH7031M025324	ROLLER. SUPPORT	
31		DH7534M025325	BRACKET, BOWL SUPPORT	



Asahi Seiko Hoppers (cont.)

		I		1	
Item #	Bally Part #	Asahi Seiko Part #	Description		
I		DH7514M005505	PLATE, BACK, US 5¢	_ [
		DH7514M025505	PLATE, BACK, US 25¢		Note: Items without Bally Part
-		DH7514M10T505	PLATE. BACK, \$1 TOKEN	/!\	
2		DH7301M005507	GUIDE. 1 UP (L), US 5¢		numbers are not stocked by Bally
	ASH-05000-0047	DH7301M025507	GUIDE, TOP (L), US 25¢		Gaming and Systems.
_	ASH-05000-0052		GUIDE, TOP (L). \$1 TOKEN		
3	401105000000	DH7301M005560	GUIDE, TOP (R). US 5¢		
4	ASH-05000-0049 ASH-05000-0146	DH7301M025560	GUIDE, TOP (R), US 25¢		
4	ASH-05000-0146 ASH-05000-0147	DH7514M005506 DH7514M025506	RAIL, GUIDE (L), US 5¢ RAIL, GUIDE (L). US 25¢		
	ASH-05000-0147	DH7514M025506 DH7514M10T506	RAIL, GUIDE (L), \$1 TOKEN		
5	ASH-05000-0149		RAIL, GUIDE (R), US 5¢		
5	ASH-05000-0149 ASH-05000-0150	DH7514M005508			
	ASH-05000-0150	DH7514M10T508	RAIL, GUIDE (R), US 25¢ RAIL, GUIDE (R). \$1 TOKEN	DH-750 Mode	el 51, Bar Top Escalator Assembly
6	ASH-05000-0151 ASH-05000-0152	DH7514M101508			
7	ASH-05000-0152 ASH-05000-0153	DH7514M025509 DH7514M025511	COVER, GUIDE (L)		
-	ASH-05000-0153 ASH-05000-0048		COVER, GUIDE (R)		
9	ASH-05000-0048	DH7301M025514 DH7101M025524	COVER, TOP BRACKET. BALL RETAINING		
10		DH7101M025524	011 BALL BEARING		\sim
11				1	_ (19)
12		S3012HXSS S3012HXSS	SCREW, M3x12 UPSET SF SS SCREW. M3x12 UPSET SF SS		(a) \(\overline{0}\)
13		S3012HXSS	SCREW, M3x10 UPSET SF SS		محمو كمر كالم
14		DH7101M025527	BOLT, M4 WING	(15)	
15	ASH-05000-0086	N3000HX99	NUT, M3	٧ ٧	
16	AG11-03000-0000	DH7101M025516	PLATE, ACTUATOR MOUNTING		
17	ASH-05000-0025	DH7001M025069	PLATE, M/S MOUNTING, INBOARD	4	
18	AG11-03000-0023	S3016RH99	SCREW, M3x16	\	
19		S3010HXSW	SCREW, M3x10 UPSET SWSS	Υ →	
20		S3012HXSW	SCREW, M3x12 UPSET SW SS		TK T
21		DH7301M025522	ACTUATOR, M/S, INBOARD		(2)
22		DH7101M025523	SPRING, ACTUATOR		
23	ASH-05000-0111	W2000ER99	02 E-RING		/,
			15 11 02 03 03 03		3
			(2) A A A		



Ithaca Series 70 Printer

Ithaca Perpherals, Inc.

Tel: +1 607 257 8901 Fax: +1 607 257 8922

Description:

The IPI Series 70 Printer is a nine-pin impact printer designed for video lottery systems. It prints receipt and journal entries for each transaction using two-ply paper.

Features

Print Speed

200 characters per second in normal mode 100 characters per second in double-wide mode

Interface

Centronics Parallel

RS-232

Character Sets

IBM Character Set I

IBM Character Set II

Character Modes

Normal Mode (17, 12, 10 characters per inch)

Double-Wide Mode

Line Spacing

Eight lines per inch

Selectable in n/216 inch increments

Automatic Knife Cutter

.002 to .007 inch ply thickness

Full cut only

2-Ply Receipt-Journal Printing

Low Paper Sensor

Mounting

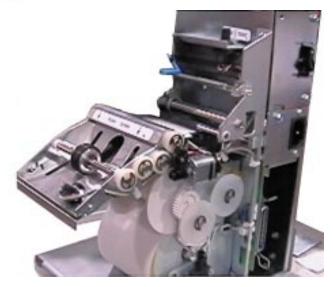
Vertical

Horizontal

Graphics

Block graphics (characters from character set)

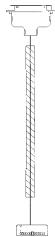
Dot addressable graphics



Connection

Printer (Centronics)

Pin	Wire	Signal	Pin	Wire	Signal	Pin	Wire	Signal	Pin	Wire	Signal
1	BK/RD	Strobe	10	No o	connection	19	No co	nnection	28	No	connection
2	BR	Data 1	11	WT/BL	Busy	20	No co	nnection	29	No	connection
3	WT	Data 2	12	WT/BR	Paper End	21	No co	nnection	30	No	connection
4	OR/BL	Data 3	13	WT/OR	Select	22	No co	nnection	31	BR/BK	Printer Reset
5	YE	Data 4	14	No o	connection	23	No co	nnection	32	WT/BK	Printer Fault
6	OR	Data 5	15	No o	connection	24	No co	nnection	33	вк	Ground
7	GY	Data 6	16	вк	Ground	25	No co	nnection	34	No	connection
8	BL	Data 7	17	No o	connection	26	No co	nnection	35	No	connection
9	YE/WT	Data 8	18	No o	connection	27	No co	nnection	36	No	connection

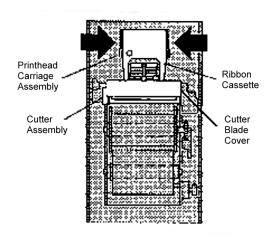


Backplane (Dual Row Header)

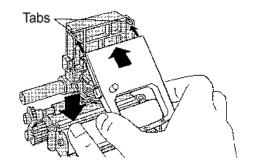
Pin	Wire	Signal	Pin	Wire	Signal
1	BR	Data 1	14	No Connection	
2	WT/OR	Select	15	YE/WT	Data 8
3	WT	Data 2	16	No	Connection
4	WT/BL	Busy	17	BK/RD	Strobe
5	OR/BL	Data 3	18	No Connection	
6	No C	Connection	19	BR/BK Printer Reset	
7	YE	Data 4	20	No Connection	
8	BK-1	Ground	21	WT/BK	Printer Fault
9	OR	Data 5	22	No Connection	
10	BK-2	Ground	23	WT/BR Paper End	
11	GY	Data 6	24	No Connection	
12	No C	Connection	25	No Connection	
13	BL	Data 7	26	No Connection	

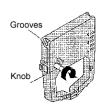
Changing the Ribbon Cassette

Change the cassette when the print becomes faded. Worn ribbons can damage the print head.

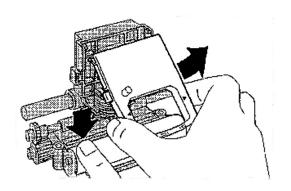


- To install the new cassette hold down the Cutter Blade Cover.
- Align the grooves at the top of the cassette with the tabs on the Printhead Carriage Assembly.
- Pivot the ribbon cassette into the Printhead Carriage Assembly until it snaps into place.
- Tighten the ribbon by turning the knob on the cassette clockwise.





- To remove the old cassette slide the Printhead Carriage Assembly to the middle.
 - · Hold down the Cutter Blade Cover.
- Grasp the bottom of the ribbon cassette and pull out.



Ordering Supplies

Order supplies by calling or faxing Ithaca Peripherals Inc.

Phone: (607) 257-8901, ask for Sales

Fax: (607)257-8922

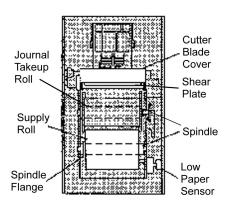
The following parts are available:

Description	Part #		
Paper (two-ply)	98-0558		
Ribbon Cassette (black or dark purple)	06-0560 (case of 12)		
Supply Roll Spindle Large Diameter	09-1230		
Supply Roll Spindle Small Diameter	09-1494		
Take-up Spindle Take-up Core	06-0597		
Take-up Flange	06-0599		
Take-up Assembly (both core and flange)	06-0993		
Power Cord	06-0561		
Fuses 1.0 Amp, 125 Volt	150-9810010		
1.5 Amp, 125 Volt	150-9810015		
Printhead	06-0565		
Printhead Clamp	06-0571		

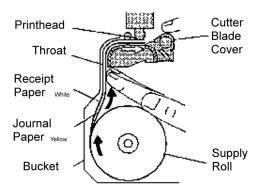


Changing Paper

Change the Supply Roll paper when you see the pink stripe on the receipt paper or when the terminal indicates the paper is low. Although the pink stripe appears with eight to ten feet left on the roll, the printer will print only 21 inches after the Paper Low sensor activates.



- Trim enough of the new Supply Roll for a straight edge free from glue.
- Put the spindle that was removed from the used supply roll into the new roll so that the white reciept paper is on the outside (See figure below). Snap the spindle into the lower set of snaps in the Bucket.
- Hold down the Cuter Blade Cover and push the paper up through the throat in the back of the Bucket until the paper passes the printhead.

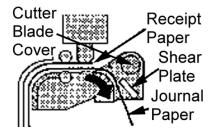


 Unsnap the Journal Takeup Roll Spindle from the bracket. Tear off the yellow journal paper using the Shear Plate.



• The receipt and journal thread through different paths. Using the Thumb Wheel (Gear on the left side. See bottom figure) to advance the paper, guide the journal and reciept paper so that they are separated by the Shear Plate.

Remove the spindle from the journal by unscrewing the left flange in the direction of the OFF arrow. Secure and store the journal roll as required.



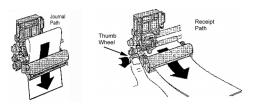
• Unsnap the Supply Roll Spindle from the bracket. Hold down the Cutter Blade Cover and pull the remaining paper out of the printer.



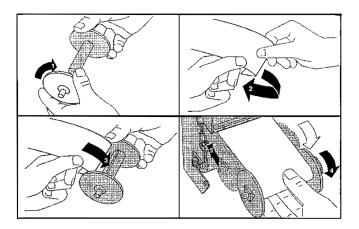
• Advance about six inches of paper then tear off only the white receipt ply.

•Remove the spindle from the used supply roll and set it aside. Don't throw it away.



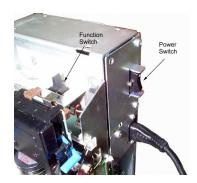


- Reassemble the Journal Takeup Spindle by turning the the flange in the direction of the on arrow. Do not overtighten.
- Fold about ½" of the journal paper and insert it into the groove of the Journal Takeup Spindle so that the gear is to the right.
- Turn the Journal Takeup Spindle a few turns in the direction of the ON arrow to take up the excess journal paper.



Function Switch

The Function
Switch is a momentary
two-position switch that
provides the following
functions:



With power ON:

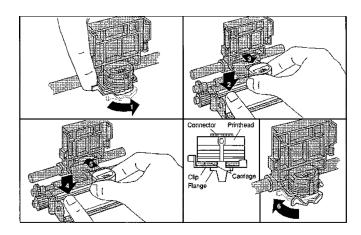
Left: Incremental paper advance Right: Auto paper advance and cut.

Position switch with power OFF, then power ON:

Left: Print Test

Right: Hex Data Dump

Replacing the Printhead Caution: The printhead may be hot.



- · Remove the ribbon cassette.
- Release the printhead by unfastening the Printhead Clamp. Pull the tab on the left to swing it open.
 - Hold down the Cutter Blade Cover.
- Pull the printhead free from the edge connecter and carriage.
- Using the guide on the printhead, slide the new printhead onto the carriage and into the edge connector.
 - Secure the printhead with the Printhead Clamp.
 - Put the ribbon cassette back in.
- Check the print quality. Use the blue lever on the side of the carriage for lighter or darker printing.



Vivo™ Printers



Seiko Instruments USA Inc. Selko Instruments Unc.

Micro Printer Division
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Phone: (800) 553-6570 * Facsimile: (310) 517-8154
E-Mail: siumpd.id@salesupport.com
World Wide Web:http://www.seikoprinters.com



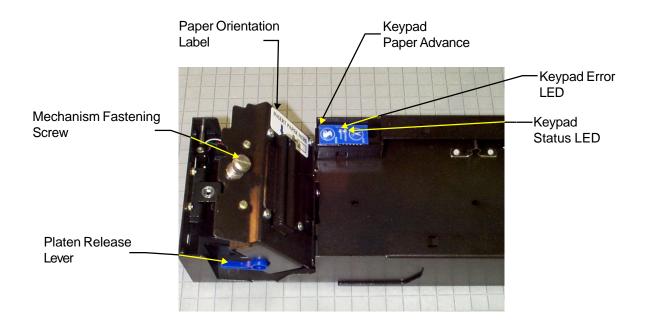


PSA-66-ST Direct Thermal Printer System

Operator Interface

The printer has status indicators and two controls. The status indicators are part of the Keypad. They are LEDs laleled STATUS and ERROR. The Operator controls are the Keypad and the Platen Release Lever.

Component Identification





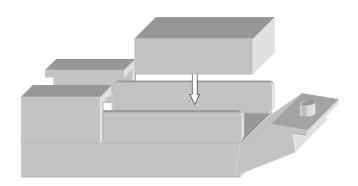
Note: The Keypad CUT function is inoperative.

Vivo[™] Printers (cont.)

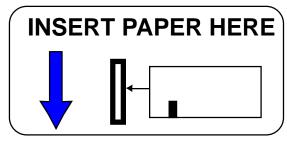
Loading Paper

To load paper, pull open the printer drawer until the paper tray is completely accessible. Place the paper stack in the printer as indicated by the band around the stack and the Paper Orientation Label in the paper tray. Present the paper to the Paperfeed slot.

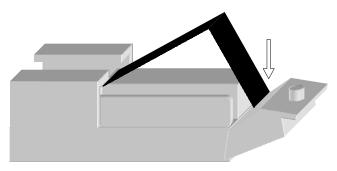
The automatic loading feature of this system will advance at least one ticket through the printer. The Platen Release Lever and the paper advance button are provided as support, but usually are not required to load paper.



Place paper stack in Paper Tray



Paper Orientation Label



Present end of paper stack to the paper insertion slot

Keypad LED Operation

The following table lists the conditions reported by the keypad LEDs.

CONDITION	STATUS LED	EERR LED
Unit in Powered Off	0FF	0FF
Unit Ready	ON	OFF
Unit Flushed	ON	ON
Paper out	OFF	ON
Head Up	OFF	ON
Temperature Error	OFF	MED BLINK
Voltage Error	OFF	SLOW BLINK
Print Head Error	ON	FAST BLINK
Flash Memory Error	SLOW BLINK	MED BLINK
Buffer Overflow	OFF	FAST BLINK
Missing Black Index Mark	ON	FAST BLINK
Paper Jam	ON	FAST BLINK

Error Conditions

<u>PAPER Out:</u> The printer detects that paper is not present. The printer scans for a paper-out condition at all times. Remedy by loading a new paper stack.

HEAD UP: This condition results from lowering the Platen Release Lever. To remedy, raise the blue lever on the side of the unit.

Temperature Error: The printer has over-heated. If the printer is operating environment is at room-temperature, this error would most likely be the result of a hardware problem. The printer will automatically resume operation when the head temperature cools within operational limits.

<u>Voltage Error:</u> The printer detected a power supply voltage (+24VDC to +25VDC) outside of legal limits. The printer will automatically resume operation when the power supply is within range.

PRINT HEAD ERROR: The printer senses an interfacing problem with the thermal print head. The error state remains until the power is cycled or the unit is reset. If the problem persists, the printer will require service.

FLASH MEMORY ERROR: The printer is unable to program the Flash memory on the board. The printer will remain in error state until the power is cycled or the unit is reset. If the problem persists, the printer will require service before font or graphic data can be downloaded.

B<u>UFFER OVERFLOW:</u> A buffer overflow typically results from a mismatch in handshaking. The printer will remain in error



Vivo[™] Printers (cont.)

Error Conditions (cont.)

state until the power is cycled or the unit is reset.

MISSING INDEX MARK: While feeding paper or while printing, a black mark has not been seen within approximately 10" of paper. Remedy by using the correct paper in the printer, or installing the paper in the correct orientation. The condition is removed by raising the Platen Release Lever (presumably to change the paper).

<u>Paper Jam:</u> The printer detected an obstruction in the paper path. Remedy by opening the printer head and inspecting for a jammed ticket.

Self Test

If the Keypad FEED is held during power on or reset, a self test will be triggered. Proper operation will result in the printing of a configuration ticket.

Model: PSA-66-ST Firmware: 1.0.0.0.0

COMMUNICATION

Interface: serial
Baud Rate: 19200
Data Bits: 8
Parity: NONE
Handshaking: HARDWARE

PRINT CONTROL

Darkness Control: +00%
Black Bar Index: Disabled
Print On Demand: Disabled
Auto Sleep Timer: Off

SYSTEM RESOURCES

FLASH -Used: 000000 -Free: 024064

LIBRARY INVENTORY

Templates: Print Regions: Graphics:

Fonts: 3(0), 7(0), 8(0), 5(0)

Sample Self-Test Ticket

Servicing the Printer

Accessing the Paper Path

The paper path can be accessed by loosening the Mechanism Fastening Screw. The head swivels to expose the paper path.



Accessing the Paper Path

Separating the Drawer

The drawer can be removed from the stationary module by the following procedure.

- Remove power from the printer.
- Slide the drawer open until it locks into position.
- Spread the latching cable connector to release the ribbon cable for removal.





Ribbon Cable



Note: The connectors of the ribbon cable are keyed. The black connector fits into the stationary unit. The gray connector fits into the drawer.

Vivo™ Printers (cont.)

Separating the Drawer (cont.)

• Press the spring-loaded release bar on the front of the drawer to unlock it from the stationary unit. Pull on the drawer to separate.



Release Bar



Dip Switch



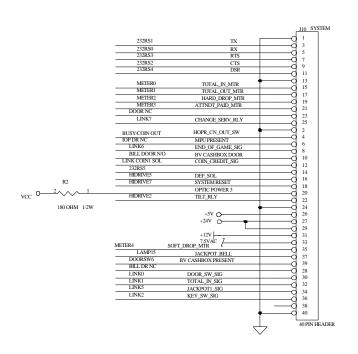
Caution: Do not disturb DIP Switch settings on the stationary unit. Switches 7 and 9 must be ON for proper operation.



Accounting System Interface

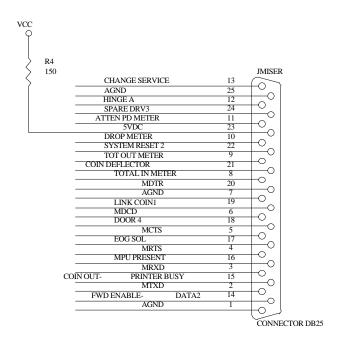
All Bally Gaming machines can interface accounting systems through a connection on the Backplane Board. Protocols supproted are SDS® and SAS®.

Evo® V87



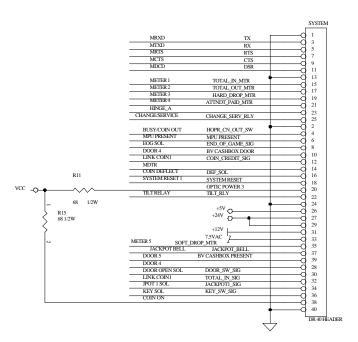
AS-03356-0501 Backplane Board

Game Maker® V7



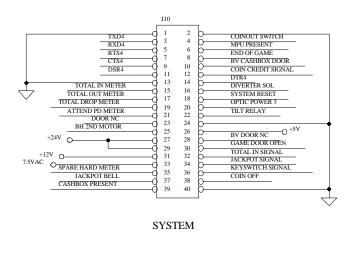
AS-03356-0247 Backplane Board

Game Maker® V72



AS-03356-0432 Backplane Board

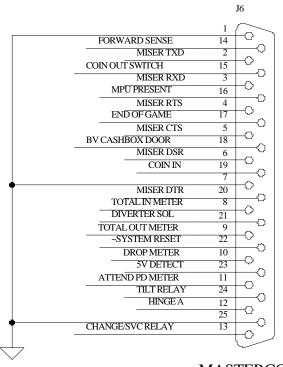
ProSlot® 6000



AS-03356-0445 Backplane Board

Accounting System Interface (cont.)

ProSlot® 5500





Note: See Module MK10-SVMOD-0003 SDS Parts Reference for hardware requirements.

MASTERCOM

AS-03356-0207 Backplane board

CBL-20234-0001 System Interface Cable

