

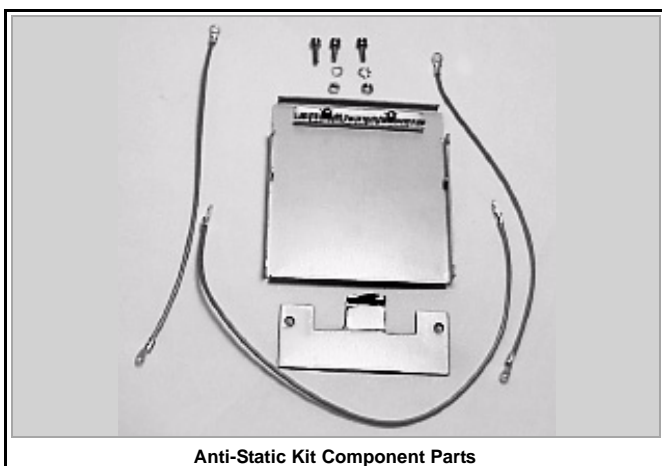


# Technical Bulletin 200503

[www.jcm-american.com](http://www.jcm-american.com)

The JCM web site provides the tools you need, including the software information database with DIP switch information, our photo parts catalog, online ordering form, repair service, and more.

## Parts are Parts



Anti-Static Kit Component Parts

**Part No.** 701-000056

**Description:** Anti-static Kit

**Usage:** This kit retrofits WBA-SU units manufactured prior to August, 2001 to add increased static protection to the unit. All WBA-SU units manufactured after August, 2001 already have these kits installed.

**Note:** During standard operations, excessive static build-up can send a false cheat attempt code to the host machine, or cause a bill jam.

JCM Engineering has created this Anti-static Kit for the earlier WBA-SU units consisting of three additional grounding harnesses and two conductive brushes. The kit components dissipate static build-up resolving both the false cheat and bill jamming conditions.

## JCM Latest Software Listing

UNIT	ID	Version*	Check Sum
WBA-10/11-SS	ID-003	V-3.34-25	DBA9
WBA-10/11-SS	ID-022/023	V-3.34-03	7FCF
WBA-10/11-SS	ID-024	V-3.34-29	FF9F
WBA-12/13-SS	ID-003	V-3.34-21i*	1185
WBA-12/13-SS	ID-0C3	V-3.34-09i*	F1C3
WBA-12/13-SS	ID-003 (Aristocrat)	V-3.34-22i*	11DB
WBA-12/13-SS	ID-003 (Spieio)	V-3.34-23i*	FA6F
WBA-12/13-SS	ID-003 (Bally/Atronic/SDG)	V-3.34-25i*	2994
WBA-12/13-SS	ID-022/023	V-3.34-03i*	5A07
WBA-12/13-SS	ID-044C	V-3.34-05i*	144E
WBA-12/13-SS	ID-044	V-3.34-05i*	FD8D
WBA-12/13-SS	ID-023B	V-3.34-04i*	DF4E
WBA-12/13-SS	ID-024	V-3.34-27	8999
DBV-200-B0/B1	ID-022/023	V-2.51-04-03	32FC
DBV-200-A2/A3	ID-004/BAR	V-2.50-05	8F51
DBV-200-A2/A3	ID-044P/045P	V-2.50-05	8BD0
DBV-200-A2/A3	ID-011/015	V-2.50-09	5B42
DBV-200-A2/A3	ID-044/045W	V-2.50-04	5151
DBV-200-A2/A3	ID-044WP/045WP	V-2.50-05	D273
DBV-200-B4/B5	ID-024	V-2.50-09	070D
DBV-200-B4/B5	ID-003	V-2.50-02	44EE

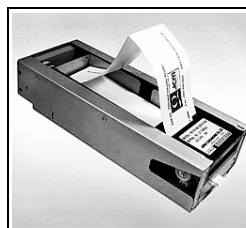
\* an "i" suffix indicates Intelligent Cash Box option.

UNIT	ID	Version	Check Sum
TSP-02	033	2.01	C11F
TSP-02	024CE (Caesar's Entertainment)	2.04	ECCF
TSP-02	024JC (New Jersey Caesar's Entertainment)	2.04	EE7F
TSP-02	024LT (Lottery)	2.00	4E33
TSP-02	024NJ (New Jersey)	2.00	798E
TSP-02	024NV (Nevada)	2.00	8566
TSP-02	024NVW (Nevada - WMS)	2.00	EB22
TSP-02	033CE (Caesar's Entertainment)	2.00	6B31
TSP-02	033IL (Illinois)	2.00	7D8F
TSP-02	033JC (New Jersey Caesar's Entertainment)	2.00	95C5
TSP-02	033NJ (New Jersey)	2.00	6558
TSP-02	033NV (Nevada)	2.00	6178
TSP-02	033NY (New York - Lottery)	2.00	8EB8

The list of JCM bill validator software provided herein notifies customers of the latest versions developed. However, the listing does not identify versions approved by gaming jurisdictional authorities for actual use. Customers should consult JCM's Customer Service/Parts Sales departments concerning approved versions for jurisdictions of intended use.

## The JCM Ticket In - Ticket Out Solution ... Reliability, Durability, Productivity

The TSP-02 (Thermal Security Printer) by JCM was specifically designed to meet the needs of your Ticket In - Ticket Out casino operation. Our printer is designed to outlast the competition. With printers in the field that have been running for over two years with no field issues, JCM takes pride in the technology used in our printer solution. By designing the bill validator and the companion printer to go with it, JCM can guarantee the maximum in acceptance rates and printed ticket quality. Contact your local JCM Sale Representative today for additional information.





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### Technical Tips

**Question:** What's the best way to troubleshoot the WBA?

**Answer:** Use the built in diagnostic tests and the JCM Quick Reference Guide, P/N 960-000027.

**Workbench Method** – Start by setting the DIP Switch Block to the following positions:

- Switch 8 to ON and Switches 1 through 7 to OFF. This action puts the WBA into the test mode.
- Apply power to the Bill Validator, and observe the two LEDs located next to the DIP Switches. Both LEDs should illuminate within a few seconds. If only one illuminates, and the second briefly flashes, a software error condition is indicated. If this condition occurs, replace the EPROM or re-download the software if the WBA contains flash memory.  
If neither LED illuminates, check the power supply and harnessing. The Bezel LEDs will be flashing at a constant rate if the unit is operating properly. If the Bezel LEDs flash a specific number of times, pause, and repeat the flashing sequence, count the number of flashes and refer to the JCM Quick Reference Guide error code table to determine the condition being reported. The best way to locate a fault is by using the Bill Acceptance Test as follows:
- With a Cash Box and frame, turn on DIP Switches 1, 2, 3 & 4. Without a Cash Box, just turn on DIP Switches 1, 2 & 3. Now turn DIP Switch 8 OFF to start the test. The unit will cycle once and be ready to accept bills. Test the unit with several different bills. If the unit fails for any reason, count the number of flashes indicated by the Bezel LEDs and refer to the JCM Quick Reference Guide error tables to determine the condition being reported. The JCM Quick Reference Guide also contains several other tests to further diagnose which component is causing the fault indicated.



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