

LEISURE TIME SLOTS LLC

Slot Machines, Video Poker and Game Room accessories - Call 602-866-8064 11am-8pm PST

Owner's Manual for BALLY Slot Machines



Pro-Slot 6000, V-Slant and Game Maker

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Pro-Slot 6000, V-Slant, and Game Maker

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If any errors are noticed while reading this manual, please send an email to sales@azslot.com describing the error. We will then promptly fix the error and issue an update. Digital copies of this manual are available on our support section at our website.

Thank you for your purchase!

Congratulations on your recent slot machine purchase of an original Las Vegas slot machine! Each of these machines is unique, with original casino markings and have gone through extensive refurbishing to look as close as possible to their original casino configuration.

We provide our machines with a six month warranty after purchase and have put your machine through a thorough quality assurance process to make sure it meets all expectations. Your machine has been delivered with a fresh battery, newly installed software and has been thoroughly cleaned.

Before plugging in your machine, we recommend reading this manual to familiarize yourself with your slot, along with important safety considerations. We will walk you through the process of correctly setting up your machine.

Setup and safety

You may have noticed the considerable weight of your new machine. On average, Bally slots weigh 200 pounds and V-Slants weigh 300. It is highly recommended to use extreme caution when moving or lifting these machines and we recommend having it installed professionally.

Always have someone assist you when moving the machine to prevent any accidents and contact us if assistance is needed moving a slot machine to a new location. We are more than happy to assist with installations. All local slot deliveries include installation as a standard service.

The best location to place your machine is on a hard surface such as tile and on a large, well built table or stand that is constructed to properly manage the weight. Leisure Time Slots recommends slot stands specifically designed by casinos and offers a variety of types and styles for sale. Call us or check our website for more details.

Carpeted surfaces are acceptable for slot machines, but we advise having a wider base to properly distribute the weight and **always** storing the machine against a wall or another machine to prevent tipping.

We recommend using a surge protector for any installed machine to protect the electronics.

For location, avoid leaving slot machines in areas with heavy sunlight, heat sources or moisture. Extensive exposure to sunlight may discolor the buttons and affect the appearance of glass.

With safety always in mind, you will enjoy years of entertainment with your new machine and enjoy all that it has to offer.

What type of machine do I have?



Game Maker



Pro Slot 6000



V-Slant



Slant Top

Listed Below are the slot machines covered in this manual.

Pro Slot 6000 - These machines can easily be identified by the presence of a bill acceptor to the right and 'Win Paid' and 'Credits' windows visible on the reel glass.

Many varieties of Pro Slot 6000 machines exist including round-top styled machines which include bonus games such as *Musical Cherries*, *Triple Paytime* and the *Monte Carlo Bonus Spin*.

Most Pro Slot 6000 units come with ticket printers, coin acceptors and hoppers. Some of our more recently machines even include progressive meters.

These machines can easily be upgraded to different game themed with the purchase of a new game kit. Contact us if interested in a game conversion.

Slant Top - These machines are highly desirable for game rooms due to their excellent build quality and extra large hoppers. Lockable storage space at the bottom of the unit comes standard with all slant tops.

These machines have a flat base with a sink where coins or tokens can be conveniently stored. All slant tops come with a bill acceptor and ticket printer.

Instructions for accessing the inside of your machine is included with this manual.

V-Slant - These machines appear identical to Slant Tops with the exception of having a video display in place of the reels. Their internal parts are mostly the same with minor differences. These machines include a variety of games such as Video Poker, Keno, Blackjack and other casino favorites. They are also configurable for multi-denomination play from one cent to over five dollars per credit.

Instructions for accessing the inside of your machine are included in this manual.

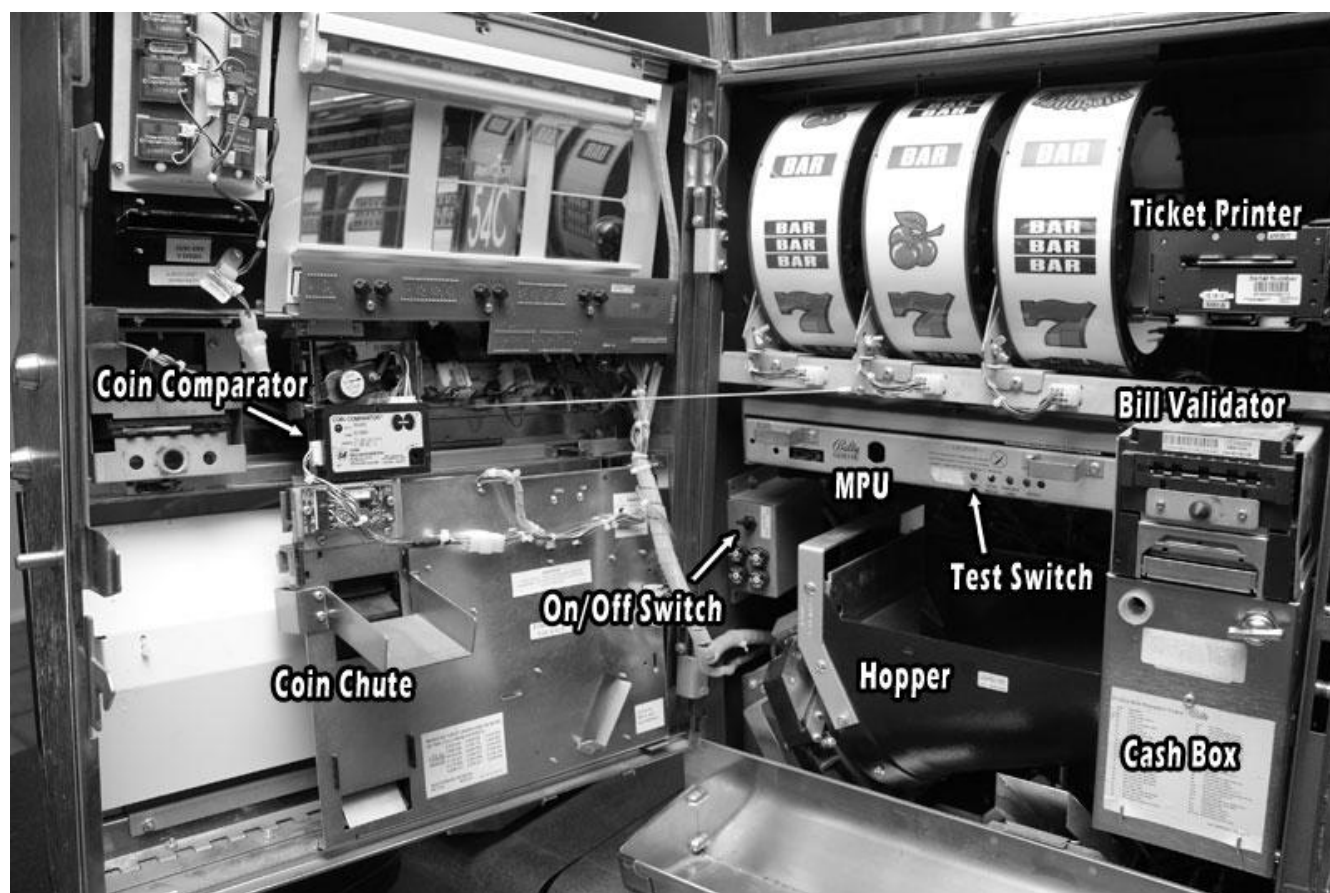
Game Maker - These highly popular video machines include multiple games per denomination and can be upgraded with different games if desired. The internal parts of a game maker are similar to a Pro Slot 6000 machine with the exception of the video monitor.

Game Makers include popular casino games such as Keno, Blackjack and a variety of themed Video Poker games.

Game Maker monitors are touch sensitive and it is recommended to store them away from magnetic objects and direct sunlight. All game makers come with a bill and ticket printer.

A look inside your S6000 and Game Maker

Bally machines are built in a variety of configurations with the most common being the PRO Slot 6000. Below is a look inside a standard S6000 machine. Game Makers are similar.



ALWAYS turn off the power before touching components inside the machine other than the on/off switch and MPU test button. Also, **never remove the MPU tray while the machine is turned on or the board may malfunction.**

Coin comparator - This device compares coins inserted into a machine with a sample coin and rejects coins that do not match. It can easily be converted to accept tokens by replacing the quarter on the comparator with a token of the same size of a quarter.

Do not put pennies, nickels, dimes or half dollars in the comparator as any differently sized coins will not be handled correctly by the hopper and could damage it or the machine.

The coin comparator can easily be removed by pulling on the device until it pops out of its plastic brackets. Make sure to disconnect the wiring before removing it from the unit. Coins can be replaced by sliding the round tab above the coin.

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Rotate up from the bottom carefully to remove the comparator, then pull out to remove it from the chassis. Jams can be cleared by first removing the coin, then carefully clearing the jammed coins with a small screwdriver or bobby pin.

The test coin can be easily replaced with a token or another coin. The LED to the left of the serial number will light GREEN when all wires are correctly connected. Make sure the comparator is snapped in fully before feeding in additional coins.

If you are looking to upgrade your coin-less Bally machine to include a comparator, please contact us for more information.

Coin Hopper - This bucket contains all coins accepted by the machine and pays out those coins when you choose to cash out. For machines where the ticket printer is enabled, the hopper won't pay out and will instead simply collect coins. Hoppers are necessary for all coin-enabled machines.

Coinless machines normally do not ship with hoppers installed.

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To remove your hopper, first remove the slot tray by grasping each side and lifting it up, then out. Once the tray is removed, hold the handle and pull the hopper up, then out. **Do not attempt to pull the hopper back without lifting it up first** as the hopper is secured in place with a raised notch at the front of the hopper track.



With a new machine, we recommend at least two rolls of quarters or tokens (80 coins) to get started and we offer additional tokens if needed. You can use the same tokens available from amusement parks as long as the coins match what is in the comparator and are quarter sized.

Tokens are also available from Leisure Time Slots and are great for those who would prefer coins without a cash value in their machine.

Bill Validator - Bally Pro Slot 6000 and Game Maker machines utilize a WBA or MEI Cash flow acceptor.

WBA acceptors have more memory to recognize a greater variation of bill types. Most are programmed to recognize new \$5, \$10 and \$20 bills. They can be removed by pulling down on the hinge below the bill bezel. Once the unit is removed, it can be opened by pulling up

on the hinge at the top of the unit.

If your WBA has trouble recognizing bills, **do not clean it with rubbing alcohol**. Some units can be picky about the bills they accept, so try different bills first and try inserting them in different orientations. Later version WBA units should accept bills in any way.

It is important to note that any tickets printed with your Bally machine will not be recognized by your WBA.

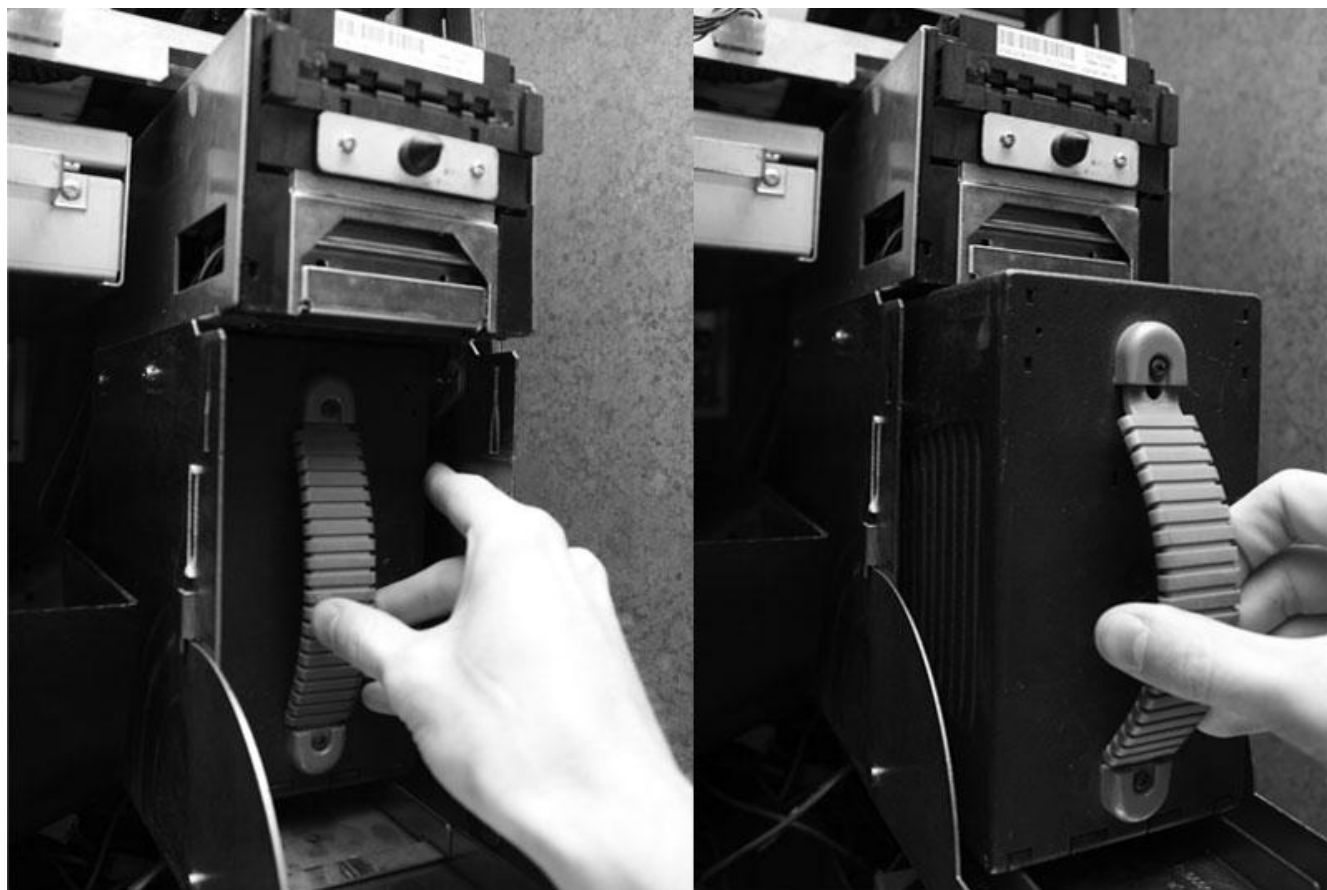
If the WBA rejects bills frequently, it may be dirty and require a cleaning. A maintenance manual is available here from the manufacturer's website:

http://jcmglobal.com/Libraries/Product_Manuals/WBA_Manual.sflb.ashx

Cash Box Housing - All Bally Machines contain a cash box. Some boxes are metal while the newer boxes are plastic.

To remove your WBA cash box, first open the door, then locate the latch to the right of the box. Depress the latch, then while it is held down, pull out the cash box. The bottom of the box will easily pop open to reveal the bill stacker inside.

To remove MEI cash-flow boxes, simply pull on the handle and it will pop out.



To place the cash box back into the unit, push it in place until the release latch pops up, then down.

Make sure the cash box is firmly seated and that the door is closed all the way. Otherwise, you may encounter an error code when playing your slot machine.

Cash boxes of any type can be upgraded with security locks if necessary and this installation can be done in as little as ten minutes. Locks can be ordered for just the cash box, or the door and cash box separately. Contact us if interested in this option.

MPU Tray - This tray contains the motherboard, which contains all of the game data and logic needed to run the machine. **We recommend against removing the MPU** unless it is absolutely necessary to do so and the machine has been turned off beforehand. Removing the MPU while the machine is on may damage the board permanently.

With Pro Slot 6000 machines, the board will be located below the reels in a horizontal position.

If the machine has recently been shipped, make sure the board is firmly seated into its tray before powering on the machine. Boards sometimes become loose during shipping and it is a good idea to check the board to make sure it is pushed in all the way.

All BALLY MPUs contain EPROM chips. We recommend against removing these chips unless it is specified in the manual as they are part of the machine's memory. Do not remove the batteries on the board as this will require a clear procedure before the machine can be used again. More information about this is located in the back of the manual.

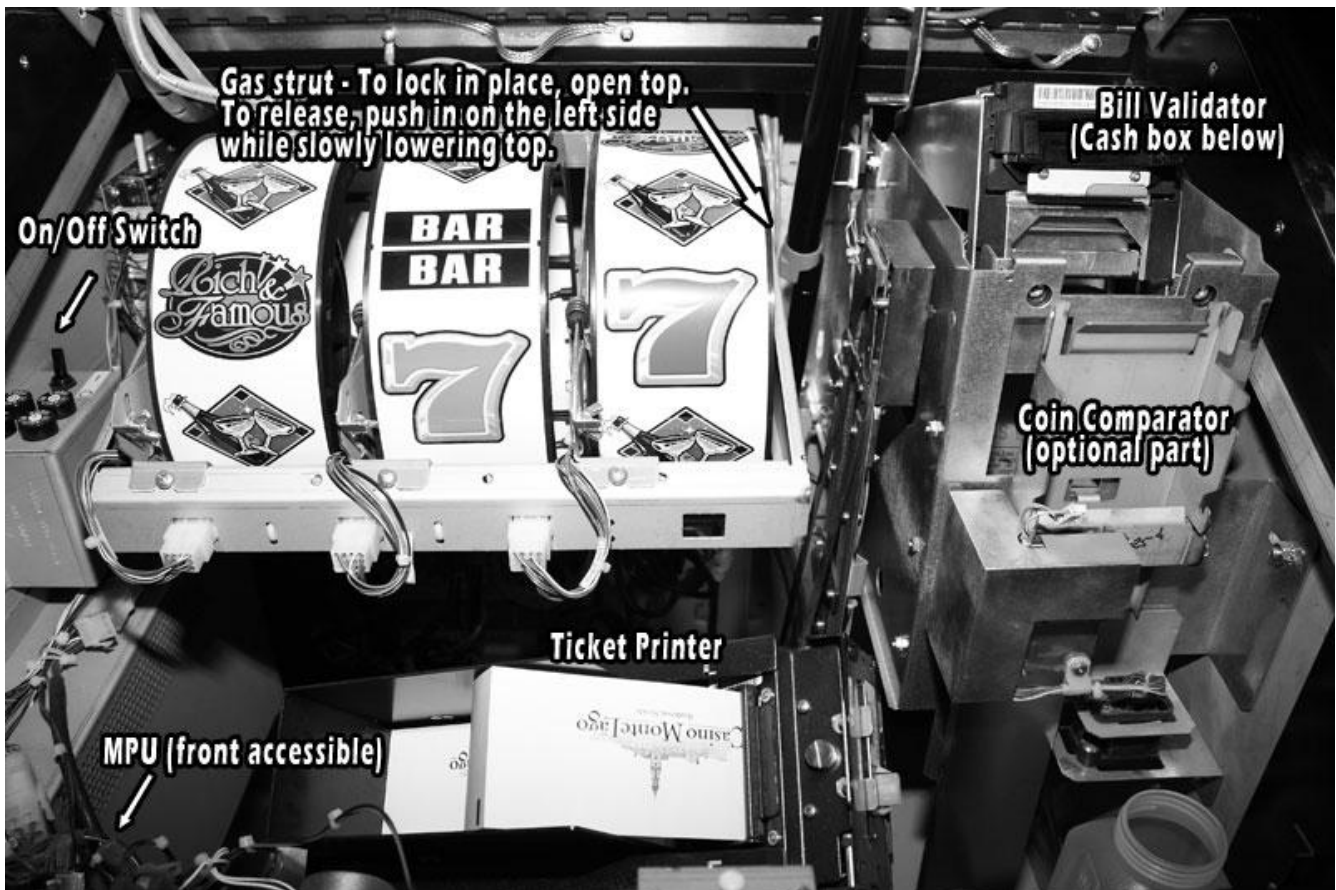
Ticket Printer - These are always present on coinless machines and present on machines which accept coins but do not utilize the hopper for payouts. These printers are found on most Bally Pro Slot 6000 and V-Slant machines.

When ready to print a ticket, simply press the 'Cash Out' button to the left of the deck panel and the printer will write a ticket. The only limitation of the ticket printer is that **bill acceptors will not accept your tickets**. The tickets are intended to save time from unintentionally cashing out with a lot of credits on the machine. They also make fun souvenirs for friends and family.

Refilling your tickets is very simple. Remove the tickets and set them in the tray so that the 'Insert this side up' is visible, then fold the ticket over and feed it into the printer with the notch visible. The printer will pull in the ticket and accept it. The LED to the left of the tickets will then blink green. Push in the ticket printer until its lined up with the glass. You can now print tickets while cashing out.

Additional slot tickets are available from Leisure Time Slots with just a call or email.

A look at Slant Top and V-Slant Machines



The parts on both of these machines are identical with the exception of the monitor and a slightly different gas strut design.

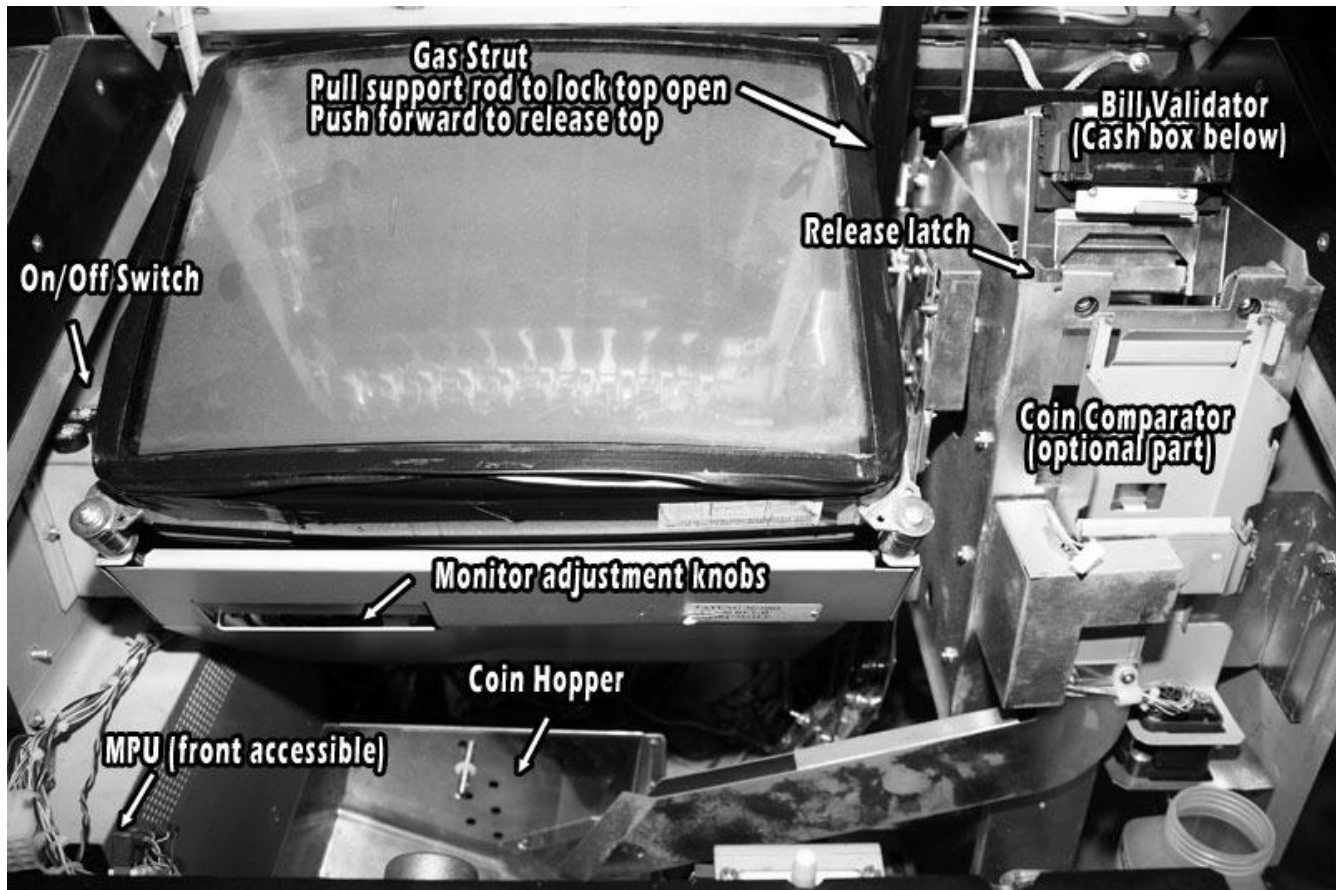
WARNING - The top deck of a slant top is heavy and we recommend exercising caution when opening the top. The top will need to be locked into place using a gas strut. Leisure Time Slots is not liable for any bodily injury or damage to the machine when misusing the gas strut. Keep children away from slant top machines and keep the machine locked while the machine is not in use. Never service components while the machine is turned on.

To open your top, open the right lock below the deck of your machine until you hear a click. Then lift the top open by lifting on the top of the coin tray. Then lift the top open to lock the gas strut in place. The orange centerpiece will slide over confirming that it is locked in place. Slowly let go of the top.

To release the gas strut, place one hand on the top to support it, then push in from the left side to release it. Slowly lower the top deck into place and push on it. When you hear a click, the top deck is locked in place.

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Here is a look at a the inside of a Bally V-Slant machine.



As mentioned previously, V-Slant machines also utilize a gas strut but have different steps.

WARNING - The top deck of a slant top is heavy and we recommend exercising caution when opening the top. The top will need to be locked into place using a gas strut. Leisure Time Slots is not liable for any bodily injury or damage to the machine when misusing the gas strut. Keep children away from slant top machines and keep the machine locked while the machine is not in use. Never service components while the machine is turned on.

To open your top, open the right lock below the deck of your machine until you hear a click. Then lift the top open by lifting on the top of the coin tray. Then lift the top all the way open. To lock the top into place, pull back on center portion of the gas strut, then slowly release the top. When the top rests in place, the gas strut will be locked open.

To release the gas strut, place one hand on the top to support it, then push forward on the gas strut and slowly release the top. Once the top deck is released, push down until you hear a click.

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Listed is a description of each component for both Bally V-Slant and Slant Top machines.

ALWAYS turn off the power before touching components inside the machine other than the on/off switch and MPU test button. Also, **never remove the MPU tray while the machine is turned on or the board may malfunction.**

Coin comparator - This device compares coins inserted into a machine with a sample coin and rejects coins that do not match. It can easily be converted to accept tokens by replacing the quarter on the comparator with a token of the same size of a quarter.

Do not put pennies, nickels, dimes or half dollars in the comparator as any differently sized coins will not be handled correctly by the hopper and could damage it or the machine.

The coin comparator can easily be removed by pulling on the device until it pops out of its plastic brackets. Make sure to disconnect the wiring before removing it from the unit. Coins can be replaced by sliding the round tab above the coin.

Rotate up from the bottom carefully to remove the comparator, then pull out to remove it from the chassis. Jams can be cleared by first removing the coin, then carefully clearing the jammed coins with a small screwdriver or bobby pin.

The test coin can be easily replaced with a token or another coin. The LED to the left of the serial number will light GREEN when all wires are correctly connected. Make sure the comparator is snapped in fully before feeding in additional coins.

If you are looking to upgrade your coin-less Bally machine to include a comparator, please contact us for more information.

Coin Hopper - This bucket contains all coins accepted by the machine and pays out those coins when you choose to cash out. For machines where the ticket printer is enabled, the hopper won't pay out and will instead simply collect coins. Hoppers are necessary for all coin-enabled machines.

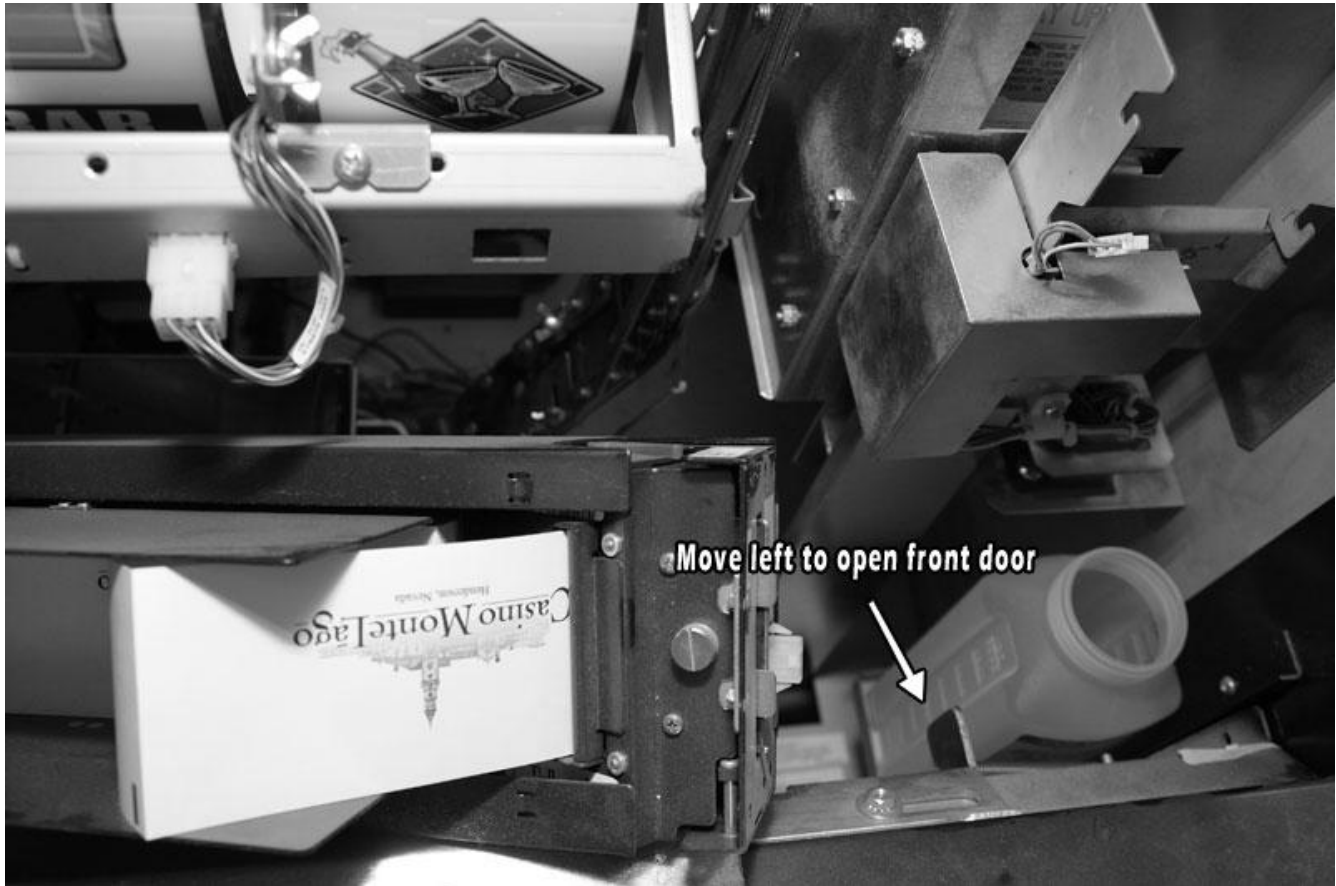
With a new machine, we recommend at least two rolls of quarters or tokens (80 coins) to get started and we offer additional tokens if needed. You can use the same tokens available from amusement parks as long as the coins match what is in the comparator and are quarter sized.

Tokens are also available from Leisure Time Slots and are great for those who would prefer coins without a cash value in their machine.

To access the hopper on V-Slant and Slant Top machines, please see the steps on the next page.

Accessing the hopper requires first opening the top deck panel. See the previous two pages for instructions on locking the gas strut in place for Slant Top and V-Slant Models.

Once the top deck panel is locked open, locate the front door release lever. This spring loaded lever is located at the front right of the machine near the spill bottle.



Place your hand on the top of the front door, then push the release lever to the left while slowly swing the front door open. It will swing open, then off the machine.

Once the door is released, the hopper will now be accessible to drop coins into. Note that the hopper cannot be removed from the machine as it is bolted into place near the cash box chassis.

We recommend filling the hopper from the front door as this is the easiest way to access the hopper and avoid coins falling off the side.

Remember to keep plenty of tokens or coins in the hopper at all time to avoid running out of credits during payouts. It is very important to keep the hopper free of any debris and incorrect coin types.



Bill Validator - Bally Slant Top and V-Slant Machines utilize a WBA validator.

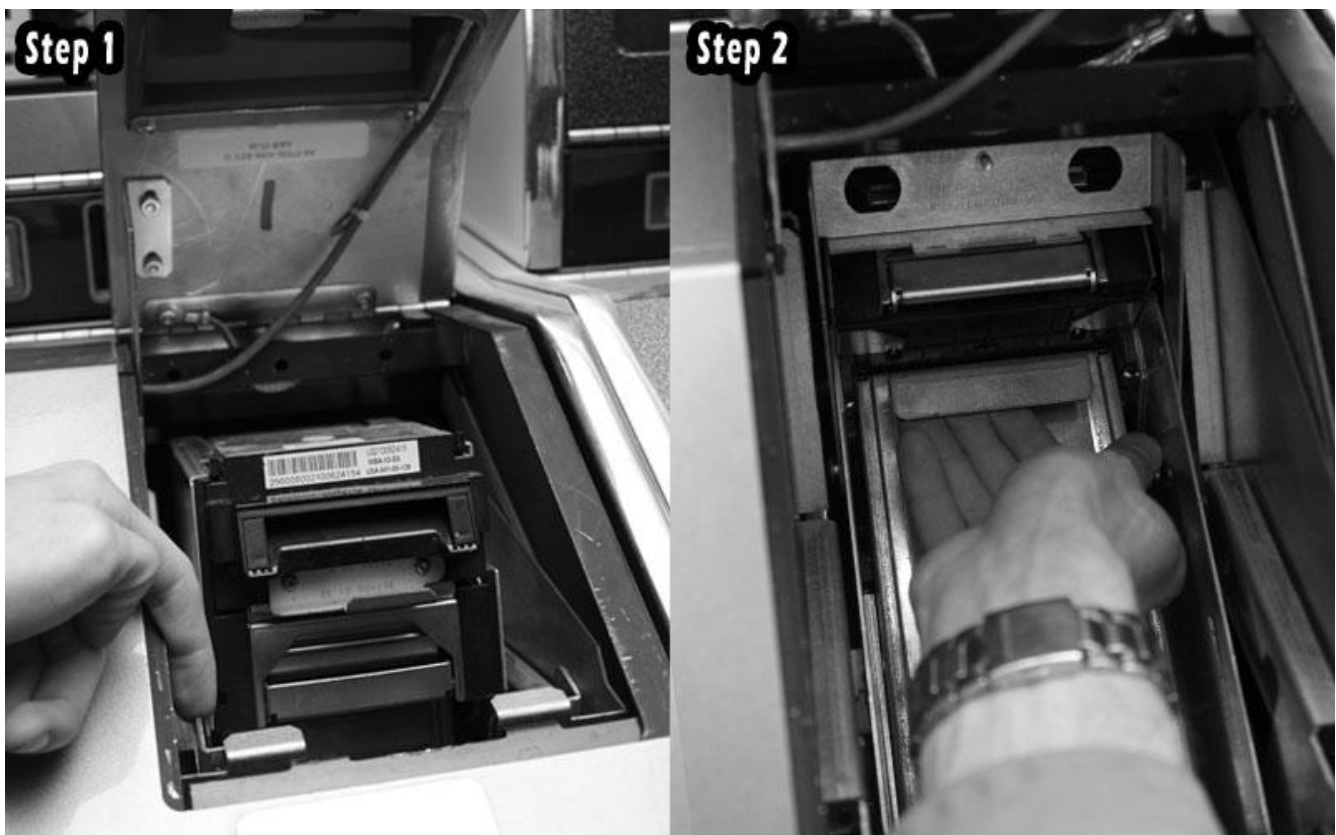
WBA acceptors have more memory to recognize a greater variation of bill types. Most are programmed to recognize new \$5, \$10 and \$20 bills. They can be removed in a similar way to removing the cash box.

1. Open the plate housing the bill stacker completely. It will click in place, then locate the tab to the left of the front bracket and pull it.
2. The cash box and bill stacker will fall backwards and rest in place. Once it is in place, pull the handle of the WBA box forward until it snaps into the first notch.
3. Grab the bottom handle of the bill acceptor and rotate it down partially, then pull on the handle to remove the box. It can then be inspected and cleaned if necessary.

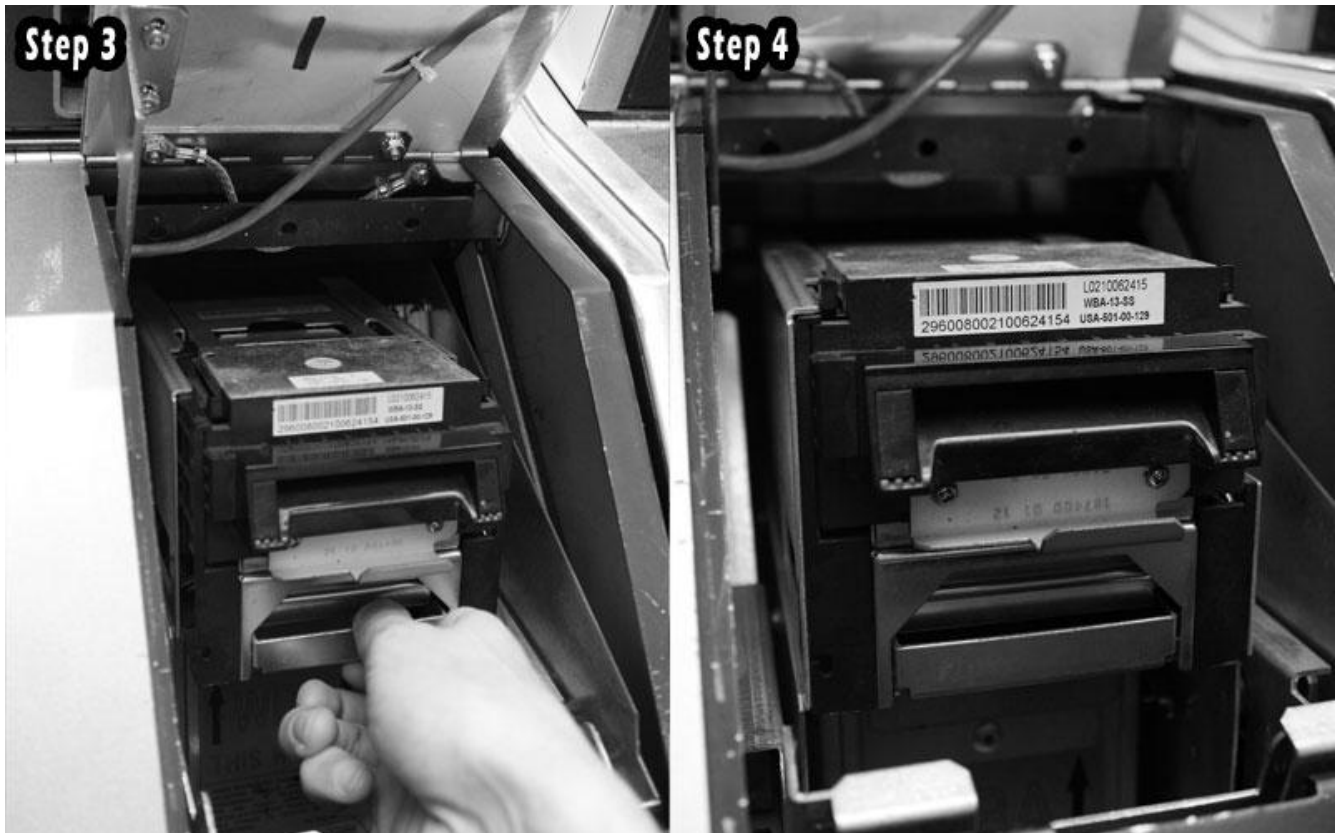
The manufacturer's cleaning manual for WBA heads can be found at this URL:

http://jcmglobal.com/Libraries/Product_Manuals/WBA_Manual.sflb.ashx

4. To replace the bill acceptor, push it in place until hearing a click, then pull on the tab referenced in step one and pull the handle of the WBA box until the entire assembly is all the way forward.



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Ticket Printer - These are always present on coinless machines and present on machines which accept coins but do not utilize the hopper for payouts. These printers are found on most Bally Pro Slot 6000 and V-Slant machines.

When ready to print a ticket, simply press the 'Cash Out' button to the left of the deck panel and the printer will write a ticket. The only limitation of the ticket printer is that **bill acceptors will not accept your tickets**. The tickets are intended to save time from unintentionally cashing out with a lot of credits on the machine. They also make fun souvenirs for friends and family.

Below is a diagram of how tickets should be placed into the printer.



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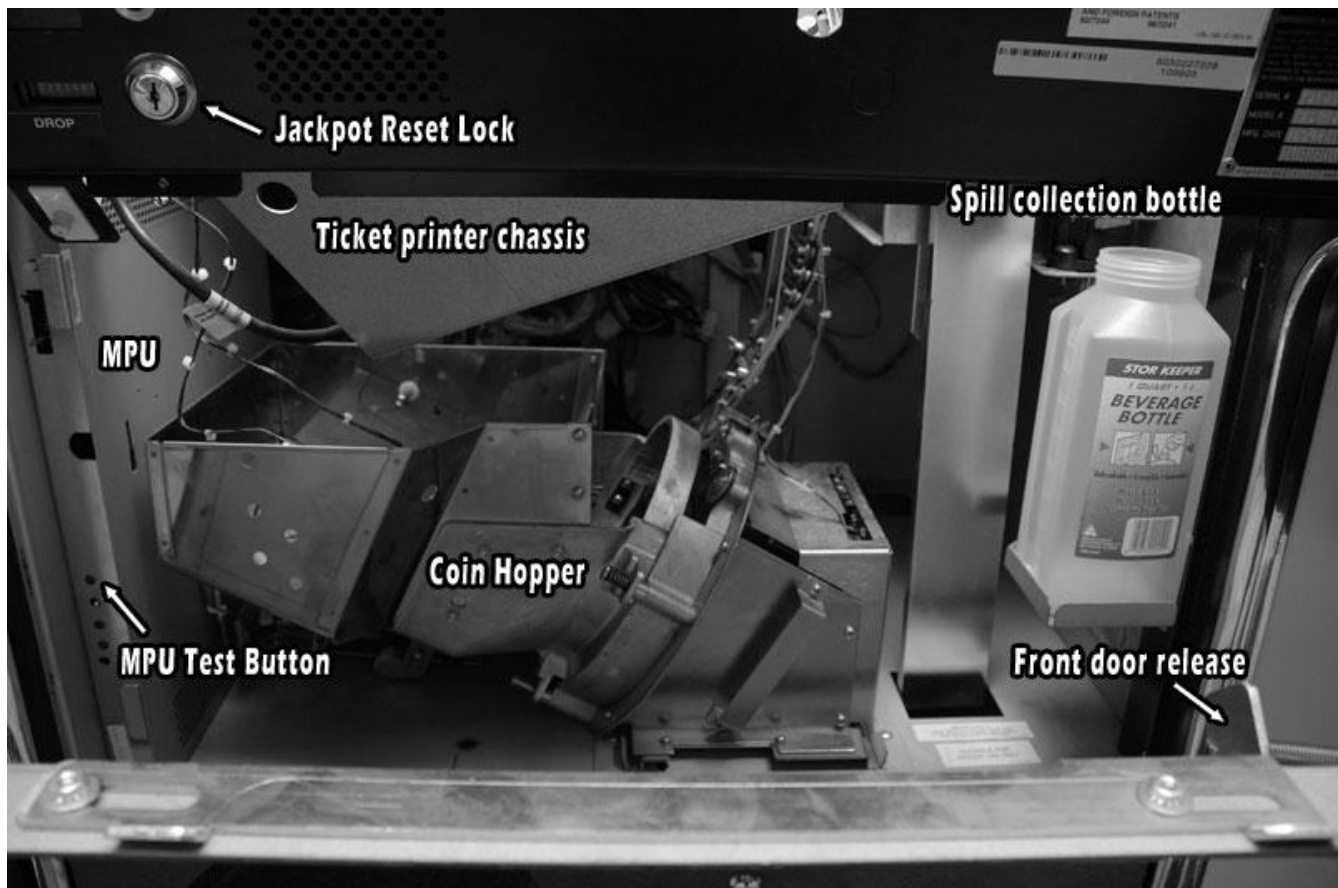
MPU Tray - This tray contains the motherboard, which contains all of the game data and logic needed to run the machine. **We recommend against removing the MPU** unless it is absolutely necessary to do so and the machine has been turned off beforehand. Removing the MPU while the machine is on may damage the board permanently.

With Slant Top and V-Slant Machines, the board will be located below the reels in a vertical position on the left side. The board will only be accessible by removing the front door.

If the machine has recently been shipped, make sure the board is firmly seated into its tray before powering on the machine. Boards sometimes become loose during shipping.

All BALLY MPUs contain EPROM chips. We recommend against removing these chips unless it is specified in the manual as they are part of the machine's memory. Do not remove the batteries on the board as this will require a clear procedure before the machine can be used again. More information about the clear procedure is located in the back of the manual.

A test switch is located on the top of the board. This switch is used during the clear process, so we recommend not tapping any of these switches.



Slot Machine Troubleshooting and FAQ

While slot machines are quite entertaining, they were originally built for casinos, so it can be challenging resolving technical issues in the unlikely event they should arise. Based on our knowledge, here is a list of common situations and how to resolve them.

“I recently turned the switch on and my machine does not power up.”

Assuming the machine is plugged into a good outlet, check to make sure that the other side of the plug is properly connected to the power box on the inside of the machine. If the machine simply does not power on, the likely culprit is a bad power supply. Contact us for a replacement.

“I just hit the cash out button and got a payout. Now my machine no longer functions”

For machines with the hopper enabled, all of the credits owed to the player must be dispensed into the coin tray before resuming play. Check to make sure enough coins are in the hopper, then close the door securely and wait for payout to resume. Once all coins are paid, the machine will behave as normal.

Some slot machines have the hopper disabled in which case the machine will dispense a ticket from the printer instead.

“The Cash out button is being hit all too frequently when guests play my machine. Can I disable it?”

The cash out button can be disabled by opening the main door and locating the cash out button, then pulling out the light socket and letting it remain in place. When the button is pressed, it won't function.

“My bill acceptor frequently rejects bills. Is there a solution?”

Take note of which directions bills are being inserted. Some bill heads such as WBAs only accept bills in while they are inserted face up in the correct direction.

Make sure to use crisp bills without any folds or tears. If the machine still has issues accepting bills such as fives or tens, try the older versions of the bills instead. If all else fails and no bills of any type are accepted, the bill head may be dirty. There is a special procedure for cleaning bill heads and one of our technicians would be glad to look at it.

“My bill acceptor ate a bill and now its stuck! How do I remove it?”

WBA - Open the main slot door, then gently pull on the lever at the base of the bill head to pull out the transport from the machine. Look at the top of the transport for another lever, then pull up on it to flip the transport open. You can then remove the bad bill.

MEI Cashflow - Press up on the bar at the base of the Cashflow head to detach it, then inspect the transport for the bad bill.

“A BFFE 88FF Error code displays when I start up my Bally Machine.”

RAM Errors usually occur when the battery is very low, a battery replacement has recently occurred or EEPROMS have been replaced (such as after purchasing a game kit conversion.)

You will need to go through a clear procedure to reset the machine to factory conditions.

“I am having trouble fully closing my slot door. Is there a simple solution?”

First, try not to force your door closed. Take a look and make sure the door is not pinching any wiring or contacting the bill bezel when closing. If the door is able to close fine but there is difficulty closing and securing the door latch, power down the machine and apply some WD-40 to the latch inside the door and wipe down the contact areas for the latch. This should lubricate the door so it is easy to close.

“The text on my slot tickets appears spotty and difficult to read. Is this an issue with the tickets or printer?”

We recommend using slot tickets stored in a cool, dry location as tickets stored in a hot or humid environment may have issues with print quality. If the issue persists with a different set of slot tickets, then it is an issue with the printer. Contact us for a printer replacement.

“Not every coin from the hopper is paid out before it displays a hopper empty message.”

Sometimes a few stray coins remain in the hopper and don't make it to the wheel before the hopper times out. This is typical and we recommend just refilling the hopper. Make sure plenty of coins are in the hopper before cashing out.

“Some quarters seem to be accepted while other quarters are not accepted. Is there any reason for this?”

Quarters older than 1965 have a different metal content so we recommend using newer quarters. We also recommend replacing the quarter in the comparator with a new one.

“Coins are not being accepted when dropping them into the comparator.”

Open the main slot door and take a look at the comparator to make sure a green light is visible. If it is not, some of the wiring likely came unplugged. On all Bally Models, there are two wires for the comparator that need to be plugged in to the harness. Double check the wire connected to the comparator as well as the wire connected to the green block below

the comparator. Also check to make sure the coin in the comparator is legible and consistent with the coins being fed into the comparator.

“I recently purchased coin optics for my coin-less Bally machine and installed everything correctly. The machine still doesn't accept coins!”

The machine will need to be cleared and reset to factory settings with the coin comparator properly connected to the machine.

“A coin jam has occurred. What is the recommend fix to clear this error?”

We recommend first turning off the machine, then opening the main door and carefully removing the coin comparator. Any jammed coins should easily fall out. Inspect the comparator from the top and check to make sure no other coins are jammed.

Jams usually occur if coins are dropped in too quickly or if an incorrect coin type happens to fall into the coin head. Replace the coin comparator carefully and turn the machine back on.

“One or more of my buttons appears dim or doesn't light up at all.”

A bulb replacement is recommended. Contact us for the appropriate bulbs.

“One of my buttons no longer works, but it lights up.”

Tap down the button and listen for a click. If there is no click, then the button became disengaged from its switch. To fix this, open the main door and power down the machine, then look at the buttons. Pop any loose buttons firmly back into place. Also check the wiring to make sure that all of the buttons are consistently wired.

“My fluorescent bulbs will not start at all. I've replaced the bulbs with new ones and this hasn't fixed the issue.”

This is most likely caused by a bad starter or ballast depending on the machine type. We recommend replacing these if changing the bulb does not solve the issue. Common starters on S6000 machines are FS-U 4-30 Watts 120V Condenser.

To access the bottom glass, press in on the cylinder on the right side while placing your hand in front of the belly glass. The belly door will then pop open.

To access the top glass, open the main door and press up underneath the opening in the top of the cabinet. This will trigger a latch and release the top glass. Carefully pull the top glass up from the bottom to access the fluorescent bulbs above.

General Slot Machine FAQ

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“Is it possible to upgrade my machine or change my game theme?”

Absolutely! Please email us to discuss the upgrade you have in mind. We do offer game kit installations as well as conversions from coinless to coin-enabled machines.

“Is it legal to allow others to play my machine?”

Since running a slot machine for profit requires a casino license, our machines are offered for home entertainment. Arizona Law permits slot machine ownership, but individuals are not allowed to run a casino out of their home or office.

“I want a new machine. Can I trade in my machine for a new one?”

Since we normally do game kit conversions, we allow trade-ins on a case by case basis depending on the machine's condition.

“What are ideal storage conditions for my machine?”

Store your machine in a dry location at room temperature and keep it out of the sunlight. It is critical to keep the machine away from any sources of heat or moisture, especially misting systems or heating devices. Excessive sunlight can damage laminate backing, glass and reel strips.

“I have children and pets in the home. What should I do to protect my machine?”

First off, make sure the machine is on a sturdy surface and is not in a location where it can be accessed. We recommend locking machines and unplugging them when not in use as well to protect the contents inside. If at any time water is spilled on the machine, leave it alone and call us immediately.

“Is it advisable to reproduce reel strips if one has become damaged?”

We recommend against reproducing strips. Not only are there copyright issues, but inkjet printed strips bleed and discolor when moisture is present in the air. We can help you locate new reel strips for your machine.

Clearing your BALLY Pro Slot 6000

In the event of changing your game, switching out a battery or encountering a RAM error, your Bally machine will need to be reset to factory settings. To do this, you first need two clear chips (U 28 and U 43) so contact us to receive one.

Items needed

Small flat head screwdriver
U28 and U 43 clear chips

Steps

1. Turn the machine OFF, then remove the MPU carefully.
2. Install the U 28 and U 43 clear chips in place of the U 28 and U 43 main chips. Check the notches on the clear chips to make sure they are facing the correct direction and that the pins all line up. EEPROMS can easily be removed with a small flat head screwdriver.
3. Return the MPU to the machine, then power it ON.
4. Hold in the 'Test' and 'Psuedo' buttons and while holding them in look at the door LEDS. They should read 'CH C', then 'CL C'.
5. Let go of the 'Test' and 'Psuedo' buttons and turn the machine OFF.
6. Remove the MPU carefully and reinstall the U28 and U43 main chips. Make sure the notches are facing the correct direction as indicated on the board. Again, check all of the pins to be sure the EEPROM is seated properly.
7. Return the MPU to the machine, then turn it ON and close the main door.
8. Watch the machine's front LED. Various numbers will pop up. Press the change button once, then the machine will set itself up.
9. You should now be ready to play.