Atronic
e-motion Manual

e-Motion Installation Module

This module of the Atronic e-motion Service Manual contains installation setup and procedures for the e-motion Cabinet.

e-MOTION INSTALLATION MODULE

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e-motion Service Manual

Atronic Americas Technical Service is proud to introduce the e-motion Manual. Atronic's Vision of "Great Games Great People" is a vision which is felt throughout the company. We hope that this manual is a strong illustration of how Atronic Technical Services is committed to making this vision a reality.

The information in this manual includes the most up-to-date information available just prior to print. All part numbers and descriptions have been carefully reviewed and checked for accuracy. All drawings and diagrams contain the newest revision released by Atronic. If earlier revisions of diagrams or drawings are required, please contact your Atronic Technical Services representative.

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The e-motion manual is intended to provide qualified technical personnel only with the information necessary to routinely maintain, service, and repair the Atronic e-motion cabinet and components. To avoid personal injury or damage to the equipment, do not perform any servicing other than that contained in this manual.

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e-MOTION INSTALLATION MODULE

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Atronic provides Technical support 24 hours a day, 7 days a week. If technical assistance is required during normal business hours, contact your local technical services representative at one of the numbers below. If technical assistance is required outside of normal business hours, please contact one of the Atronic Technical Hotline numbers below.

Technical Support Locations:

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Getting Started

The e-motion manual is intended to provide QUALIFIED TECHNICAL PERSONNEL ONLY with the information necessary to routinely maintain, service, and repair the Atronic e-motion cabinet and components. To avoid personal injury or damage to the equipment, do not perform any servicing other than that contained in this manual.

This section of the Atronic e-motion Module covers machine components, dimensions, technical data, and installation of Atronic e-motion Machines. Please read the Service Manual carefully before operating any Atronic e-motion machine.

Transport damage should be noted and witnessed by the freight forwarder. The manufacturer accepts no responsibility for transport damage.

Before installation, check that all connectors are seated correctly. False connections can cause irreparable damage that is not covered by warranty.
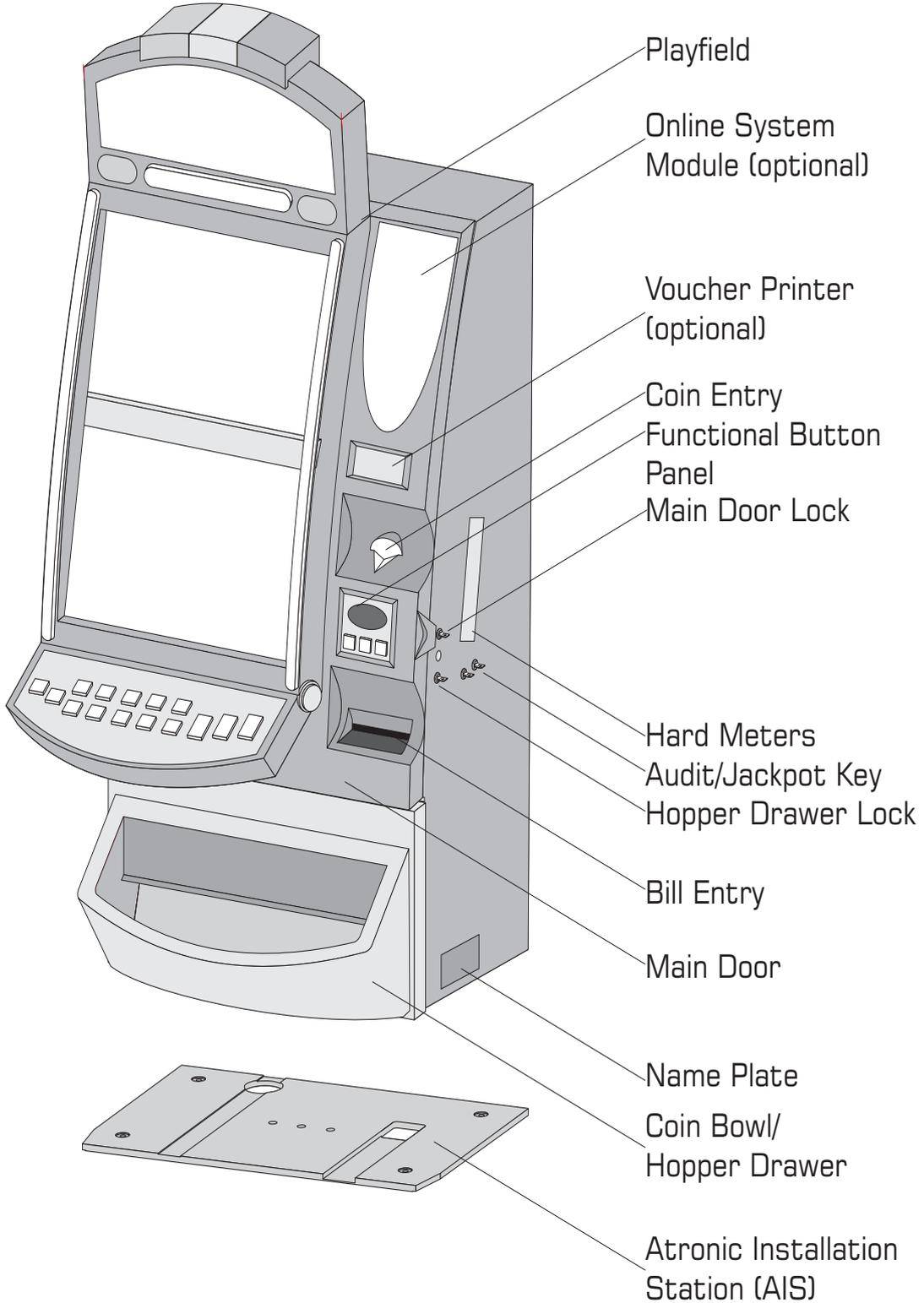
The machine may only be operated in **clean and dry conditions.**

Avoid liquids, other than nonabrasive general purpose cleaning solutions, from coming in contact with **any part** of the machine.

The machine must only be connected to a **grounded power outlet** and only with **power cables approved by Atronic.**

In case of mechanical damage, switch the machine power off, disconnect it from the power source, and notify authorized service technicians.

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Machine Components cont.

Online System Module
An online system module can be installed in this area

Voucher Printer
An optional Voucher Printer can be installed in this area

Coin Entry
Entry for coins and token, specific to a certain diameter and thickness

Functional Button Panel
Holds the denomination decal, cash out, change and info buttons

Main Door Lock
Allows access to the electronic areas of the cabinet, without access to the Hopper, Stacker or Drop Compartment

Hard Meters
Six electromechanical meters, readable by turning the Audit key

Audit Key
The Audit key lights the hardmeters, activates the Audit Menu and clears status/error messages.

Jackpot Key
Jackpot events and hand pay administration are controlled by this key

Hopper Drawer Lock
Releases the Hopper drawer and gives access to the Hopper and Stacker

Bill Entry
Entry for bills, backlit bill ramp with currency decal

Name Plate
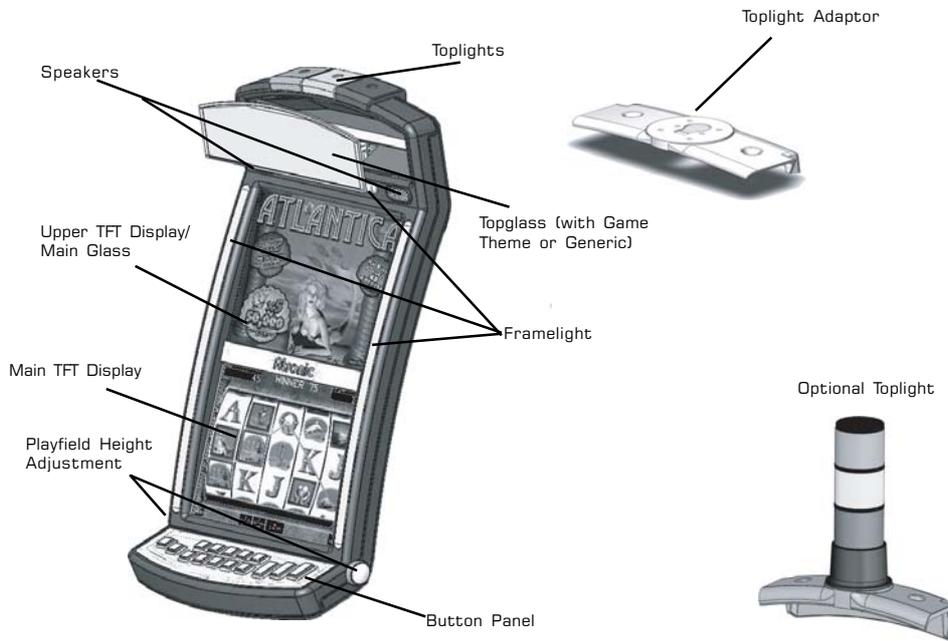Contains the serial number, power specifications and machine type

Hopper Drawer/Coin Bowl
The Hopper drawer holds the Coin bowl. To access the Stacker, slide the bowl to the left hand tilt out to remove the Hopper

Atronic Installation Station (AIS)
Ensures proper mounting of the e-motion cabinet to the base stand

Playfield Components

Speakers

Toplights

Toplight Adaptor

Topglass (with Game Theme or Generic)

Upper TFT Display/
Main Glass

Framelight

Main TFT Display

Optional Toplight

Playfield Height
Adjustment

Button Panel

Toplights
Three toplights visualize different machine states

Toplight Adaptor (optional)
Opens the possibility to install different toplights.

Speakers
Two speakers provide stereo game sound

Top Glass
Backlit glass, can be either game specific or generic

Framelights
Multicolored lights controlled by the game software

Upper TFT Display
17" TFT Display or theme specific main glass

Main TFT Display
17" TFT Display with touch surface
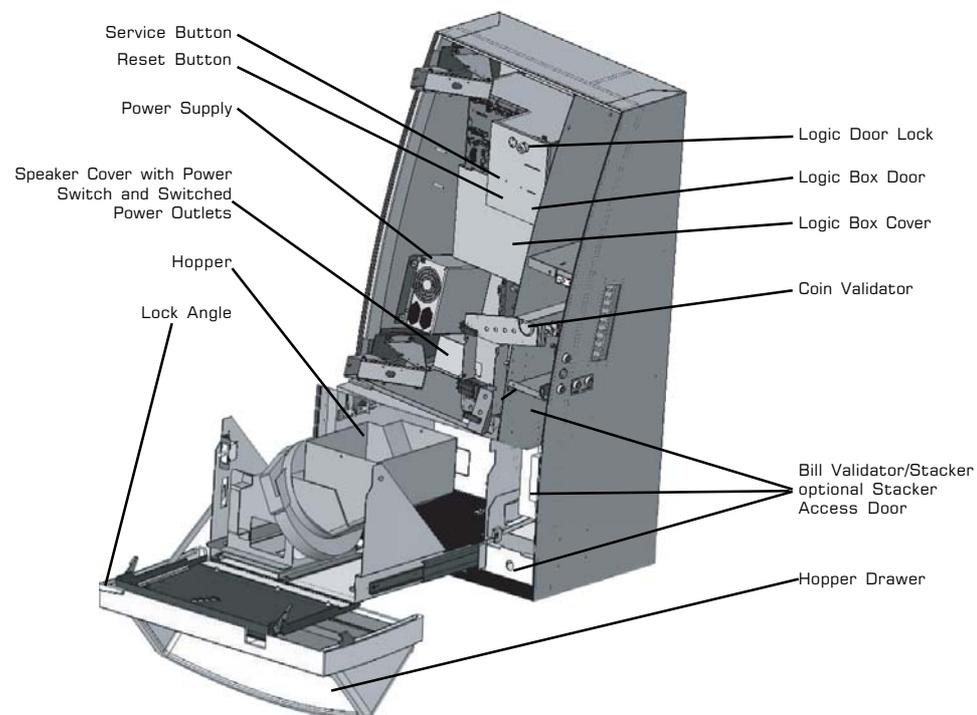
Playfield Components cont.

Playfield Height Adjustment
Allows the complete playfield to be moved up or down 12 centimeters

Button Panel
Holds all buttons used to play the game

Machine Components

Service Button
Reset Button
Power Supply
Speaker Cover with Power Switch and Switched Power Outlets
Hopper
Lock Angle

Logic Door Lock
Logic Box Door
Logic Box Cover
Coin Validator
Bill Validator/Stacker optional Stacker Access Door
Hopper Drawer

Service Switch
If the Main Door is open and no game in process, pressing this switch activates the service menu

Reset Switch
Used to reset the machine or clear RAM errors

Power Supply
Auto-switching power supply, covers every commonly used voltage range

Speaker Cover
Covers the low frequency speaker and holds the Power Switch and two switched Power Outlets

Machine Components cont.

Power Switch
Switches Power Supply on/off

Power Outlet
Supplies switched power to the Power Supply and auxiliary components

Hopper
Pays out coins or Token to the player

Hopper Drawer
When pulled out, it gives access to the hopper, when slid to the left, it gives access to the Stacker. Also can be opened completely to exchange the hopper.
An optional Lock Angle can be installed

> *NOTE:*
>
> *If the Lock Angle (optional) is used it is not possible to pull out the hopper drawer without opening the Main Door!*

Logic Door Lock
Releases the Logic Box Door. Capable of having dual locks

Logic Box Door
Gives access to the DVD-Drive, the Mainboard, the optional Commboard and the Logic Box cover release.

Logic Box Cover
Covers the lower part of the Logic Box, gives access to the Multimedia board
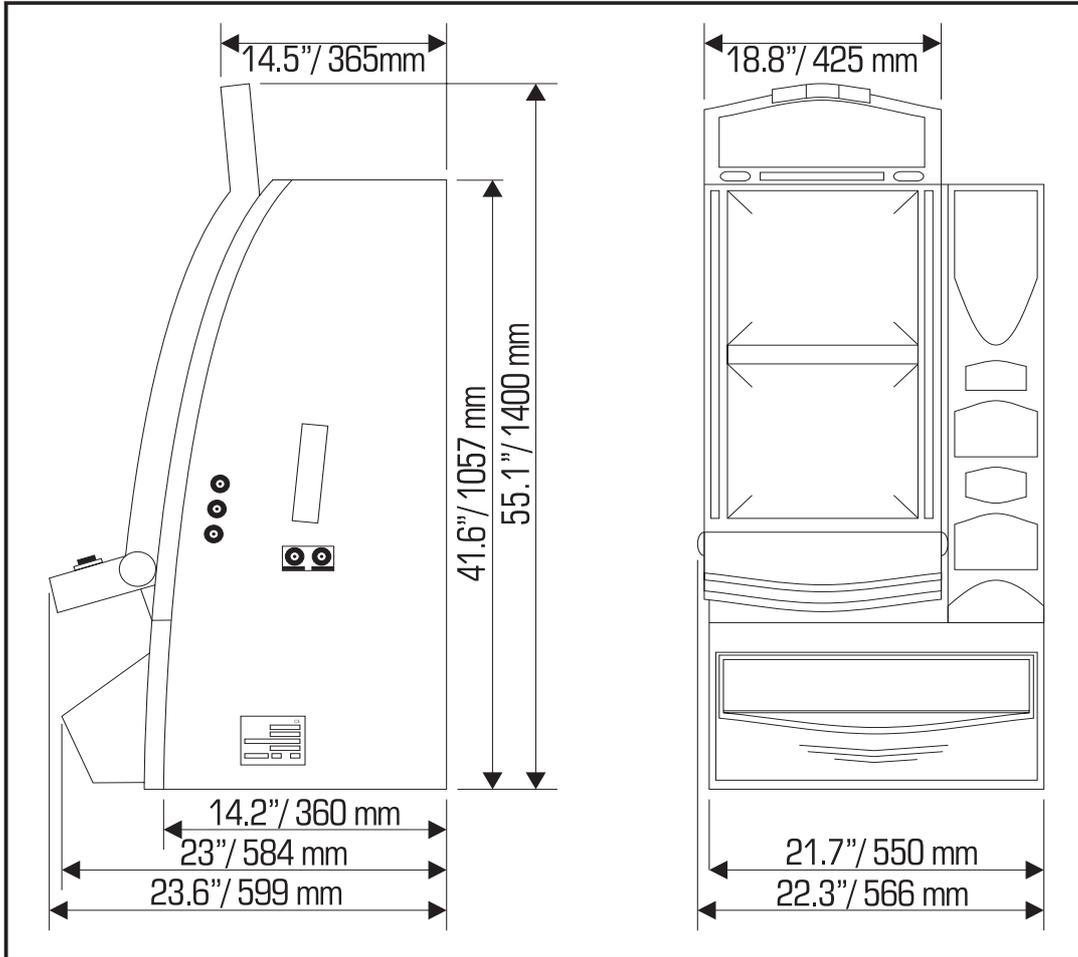
Coin Validator
Different types of Coin validators can be installed

Bill Validator/Stacker
A JCM Bill validator can be installed with an optional Stacker Access door

e-motion Cabinet Dimensions

Weight: approx.   234 lbs./110Kg
Height: 55.1" / 1400mm
Width: 22.3" / 566mm
Depth: 23.6" / 599mm

14.5"/ 365mm

18.8"/ 425 mm

41.6"/1057 mm

55.1"/ 1400 mm

14.2"/ 360 mm
23"/ 584 mm
23.6"/ 599 mm

21.7"/ 550 mm
22.3"/ 566 mm

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Technical data

Primary voltage

The power cable to the power supply must be plugged into the power outlet labeled 8 Amps.

Electrical specifications

Required Voltage: **100V~ to 240V~ 50Hz/60Hz**

The correct voltage set by the Auto Switch Power Supply.

Power consumption:
Idle mode:	**approx 200W**	**~1.8 AMPS/115V**
		~0.9 AMPS/230V
Payout mode:	**approx 300W**	**~2.6 AMPS/115V**
		~1.3 AMPS/230V

Power supply: **+ 24V/4A**
+ 12V/12A
- 12V/0.3A
+ 5V/11A
+ 3.3V/7A

Filter board F1: +5V	**T 2A/250V**
Filter board F2: +12V	**T 6.3A/250V**
Filter board F3: +24V	**T 4A/250V**

Power Supply Fuse: **T 8A/250V**

Fluorescent **8W 12" / 305mm**

Button Lamps **14V/1W**

Environmental specifications

Operating Temperature:	**32°F / 0°C - 113°F / 45°C**
Operating Humidity:	**0% to 85%**

Machine Installation Checklist

This section should be carried out by Qualified Technical Service Personnel only.

Depending on the machine configuration and the local circumstances, additional tasks may need to be carried out before operating the machine.

Review the list below and perform each task as needed. Detailed explanations are located on the following pages.

☑ Inspect machines for transport damage

☑ Check machines for the correct Paytable, Glasses, Hardware configuration and properly installed software eproms on the PCBs

☑ Mount the machine to the base stand by using an Atronic Installation Station (AIS)

☑ Run the power cable into the base. Do not connect power to the machine

☑ Replace shipping locks with Casino specific locks

☑ Install and connect Online/Accounting system

☑ Check that all internal and external connections are seated correctly

☑ Prepare Coin Comparator and Hopper

☑ Apply power to the machine

☑ Load paper into the Printer (if needed)

☑ Execute basic machine setup

☑ Configure game

☑ Test Bill and Coin handling

Machine Installation cont.

Machine Mounting

Do not operate the machine unless it has been properly secured with an Atronic Installation Station (AIS).

> **NOTE:**
>
> **TIPPING HAZARD!** *The machine can tip over if it is not properly mounted to a base stand with an AIS when the main door is opened.*
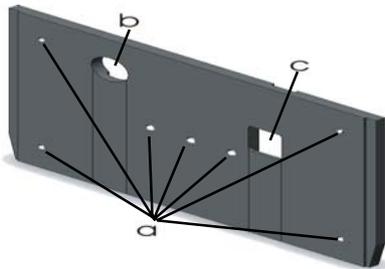
1. Use an Atronic Installation Station Drilling Template, provided by Atronic, to mark the holes on the base stand before drilling
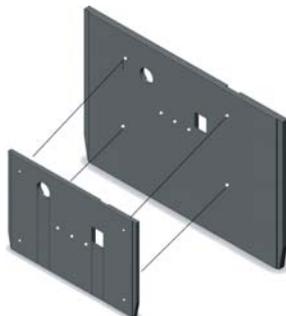
> **NOTE:**
>
> *If a template is not available, use an AIS to only mark the holes.* **DO NOT drill through the holes of an AIS**.

2. Drill four (10mm /^{3}/8") AIS mounting holes (four corners) and three (10mm /^{3}/8") Machine Securing Bolt holes (center) into the base stand (a)
3. Drill one 55mm / 2¼" hole for the AC power into the base stand (b)

4. Drill one 80mm / 3¼" hole for the drop into the base stand (c)
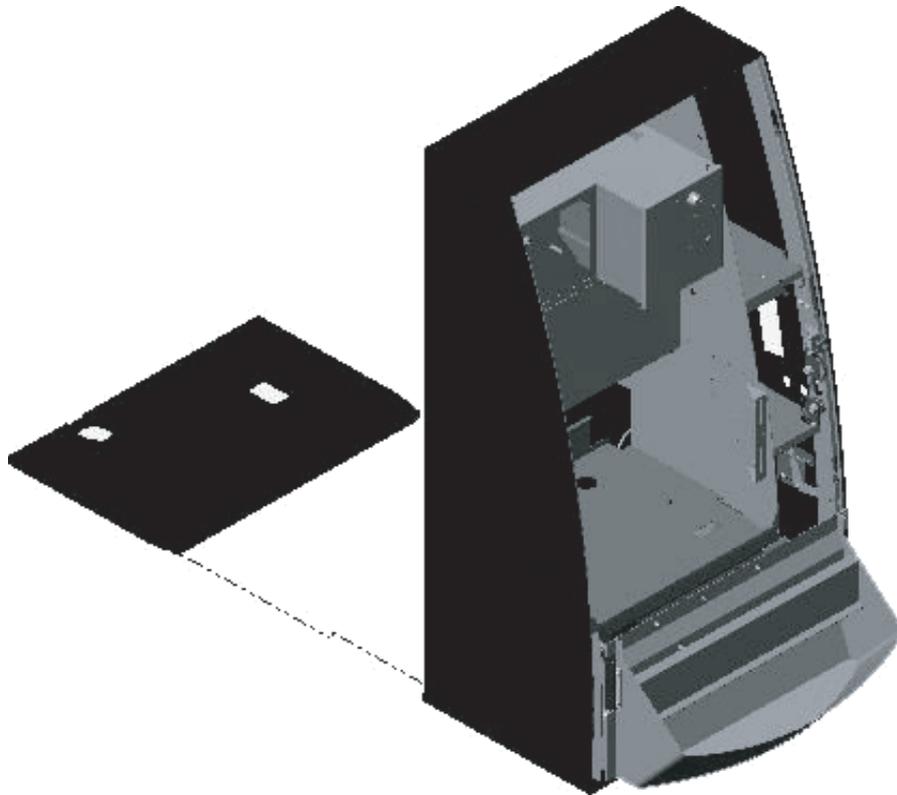
5. Secure the AIS to the base stand with 4 mounting bolts

Machine Installation cont.
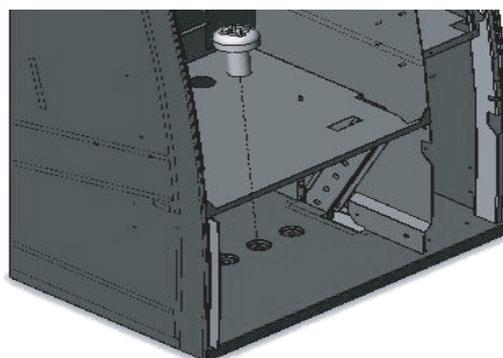
6. Slide the machine onto the AIS

> *NOTE:*
>
> *Ensure the power cord is not run through the AC hole before sliding the machine onto the AIS!*

7. Use one of the three securing bolt holes to secure the machine to the AIS and the base stand with the Machine Securing Bolt.
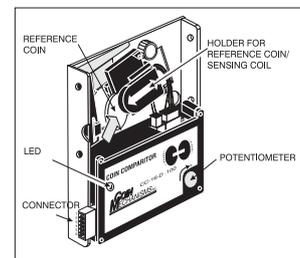
Machine Installation cont.

Once the machine is switched off, there is still
an electrical current in the machine. The Power cable must be disconnected
from the Power Outlet before the machine is free from electrical current.
Do not perform any unauthorized work on the machine.

Warning!
When power is connected and the machine is switched on the components
within the machine are electrically charged.

Prepare Coin Comparator CC16/IC16
1. Remove transport Token
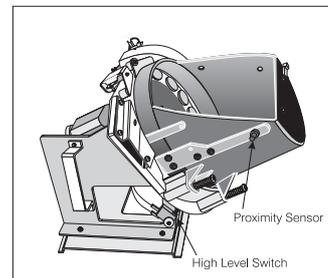2. Insert Casino Coin/Token
3. Fine tune the comparator

Prepare Hopper
1. Fill the Hopper with the correct amount of Coins/Tokens
2. Set High Level Switch where applicable

Apply power
1. The LED's on the Mainboard should be lit (they signify correct voltages)
2. The TFT(s) power up

Execute basic machine setup
1. Initial Setup
2. Select Paytable
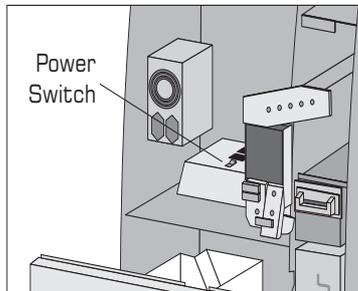3. DIP-Switch settings (if Commboard is installed)

Configure game
1. Enable and configure game features in the service menu under SETTINGS

Load paper into Printer (if applicable)

Test Bill and Coin handling
1. Check Coin Channeling optics
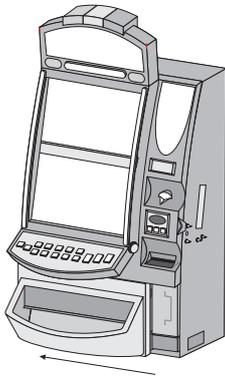2. Test Bill validator acceptance
3. Test Hopper payout

Service

Power
Switch

Procedures in this section should be carried out by Trained Casino Personnel.

> *NOTE:*
>
> *Only qualified service technicians may work on an open machine when the machine is switched on. The machine must be switched off when other personnel work on the machine.*
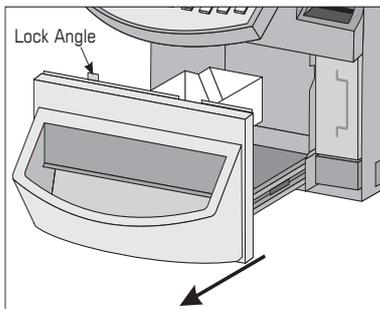

Stacker Exchange/Removal
1. Unlock the Hopper drawer
2. Slide the Coin bowl to the left
3. Unlock and open the Stacker Access door (optional)
4. Remove or exchange the Stacker
5. Close and lock the Stacker Access door
6. Slide the Coin bowl back to the right
7. Lock the Hopper drawer

Hopper Refill
1. Unlock the Hopper drawer
2. Slide the Coin bowl to the left
3. Pull out the Hopper drawer
4. Fill the Hopper with the correct amount of Coins/Tokens
5. Check that no Coins/Tokens have fallen into the cabinet
6. Slide the Hopper drawer back into the machine
7. Slide the Coin bowl back to the right
8. Lock the Hopper drawer

Lock Angle

> *NOTE:*
>
> *If the Lock Angle (optional) is used it is not possible to pull out the hopper drawer without opening the Main Door!*