MODEL 9100

AUTOMATED TELLER MACHINE
INSTALLATION MANUAL

TDN 07100-00007D 04/2007

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WHAT'S IN THIS INSTALLATION GUIDE

This manual gives step-by-step procedures for completing the physical installation of a Model 9100 ATM.

This manual is divided into the following sections:

- ☐ **ATM ENVIRONMENTAL / POWER PRECAUTIONS CHECKLIST**. Describes the general environmental and power requirements when installing the ATM. To help ensure proper operation of the ATM, ensure the environmental criteria listed in this checklist are met.

- ☐ **CABINET DIMENSIONS.** Displays the dimensions for the cabinet(s), exterior control panel components, and signage.

- ☐ **INSTALLATION - STANDARD/CHEMICAL ANCHORS**. Describes how to install the cabinet assembly using standard (steel) or chemical anchor bolts.

  Note: The anchor kits are NOT included with the unit. You must purchase these optional anchor install kits.

- ☐ **DISPENSING MECHANISM INSTALLATION**. Describes how to install the TDM-100, SDD, and Minimech dispensing mechanisms into the ATM security cabinet.

> *** NOTICE ***
>
> The Model 9100 ATM supports most models of TDM mechanisms (TDM-100/150/200/250) including the Minimech and SDD. The TDM-100, SDD, and Minimech are shipped separately and must be field installed. The rest of the TDM family are shipped installed in the cabinet.

- ☐ **POWER AND COMMUNICATION**. Describes how to route the ATM to the facility power and communication connections.

- ☐ **APPENDIX A.** Software License Agreement / Compliance/Emissions statements

- ☐ **APPENDIX B.** ATM Installation for Accessibility guidelines.

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ENVIRONMENTAL PRECAUTIONS

When installing an ATM, some general environmental and power precautions need to be considered. Evaluate the location where the ATM will be installed. To help ensure proper operation of the ATM, ensure the environmental criteria listed in this checklist are met.

TEMPERATURE/HUMIDITY

1. **The ATM will operate over a range of temperatures and humidity. Generally, these parameters must fall within the following ranges:**

   ❑ **Temperature**
   - 10°C to 40°C
   - 50°F to 104°F

   ❑ **Relative Humidity**
   - 20% to 80%
   - (Non-Condensing)

AC POWER REQUIREMENTS

2. **Ensure the following AC power requirements are met:**

   ☐ **Power Consumption**
   - 2.0A @ 115 VAC at 60 Hz
   - 1.0A @ 230 VAC at 50 Hz

Dedicated source. The ATM AC power feed will be a dedicated line, to which no other electrical devices are connected. The ATM power line will be wired for a single "duplex"-style outlet and connected directly to the AC service panel.

Isolated Ground. An equipment grounding conductor that is insulated from the conduit or raceway and all other grounding points throughout its entire length. The only points of electrical connection will be at the duplex outlet and service panel ends of the line.

*** IMPORTANT ***
AC power for the terminal should come from a dedicated source with an isolated ground.

DEDICATED TELEPHONE

3. **Ensure the following telephone-line requirements are met:**

Dedicated line. The telephone line servicing the ATM will not be a "party" line or any other shared type connection.

Proximity to Interference Sources. The telephone line must not be in close proximity to "noisy" devices that could induce interference into the ATM communications channel. See the next section for additional information on "interference sources."

RF INTERFERENCE

4. **Ensure there are no devices near the terminal that may cause RF interference, such as:**

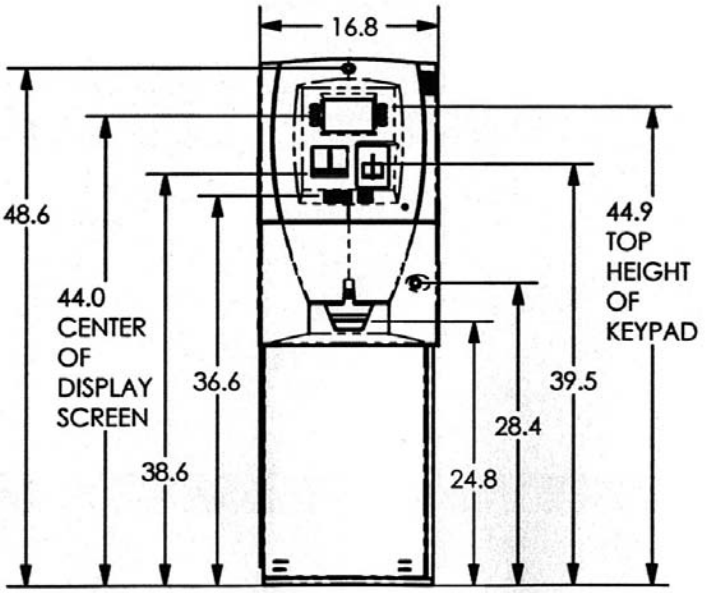
   ❑ TVs
   ❑ Coolers
   ❑ Security devices
   ❑ Neon signs
   ❑ Devices with compressors

CABINET DIMENSIONS

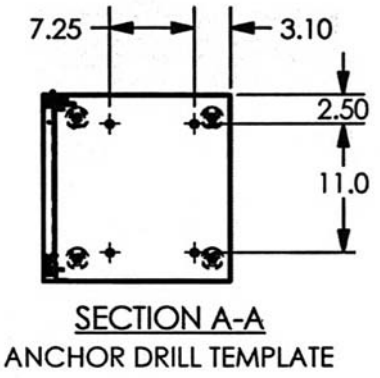
Note

All dimensions listed comply with US Federal ADA Guidelines. For USA installations, check for additional guidance. For non-USA installations, check regulations relating to the country of install. Dimensions measured in inches. Note: Measurements shown in brackets are in millimeters.

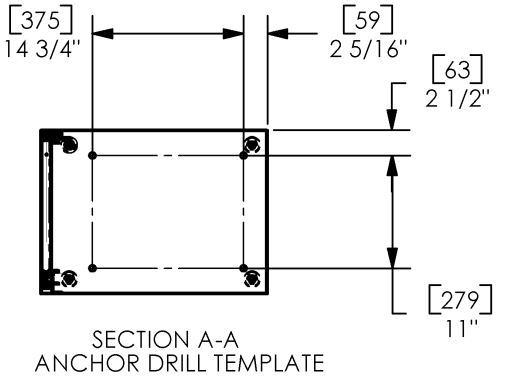
PHYSICAL DIMENSIONS



Front View

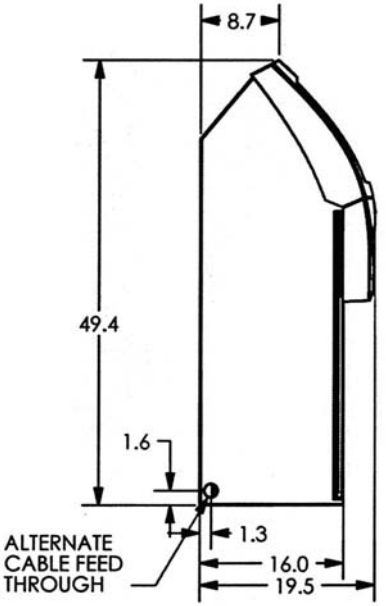


Anchor "footprint"
(w/ TDM/Minimech dispensers)

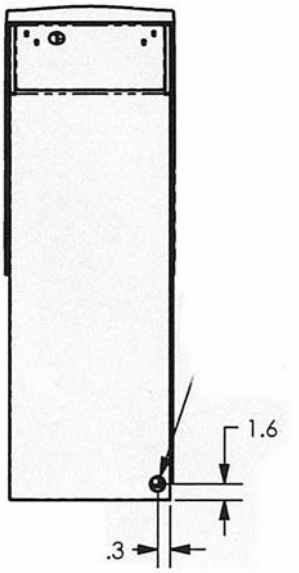


Anchor "footprint"
(w/ SDD dispenser)

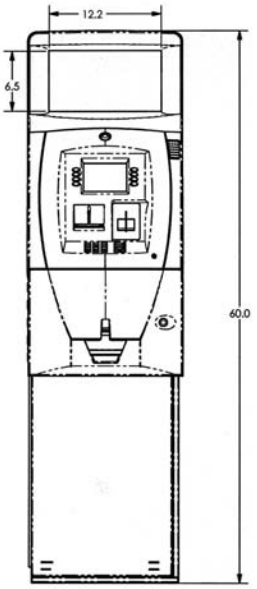
CABINET FOR TDM / MINIMECH DISPENSERS

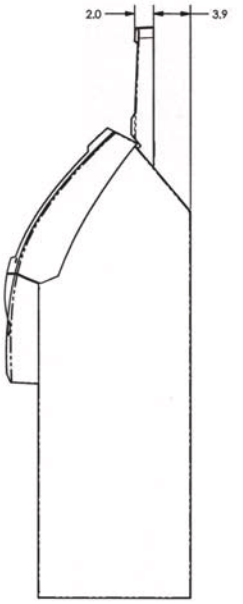


Side View



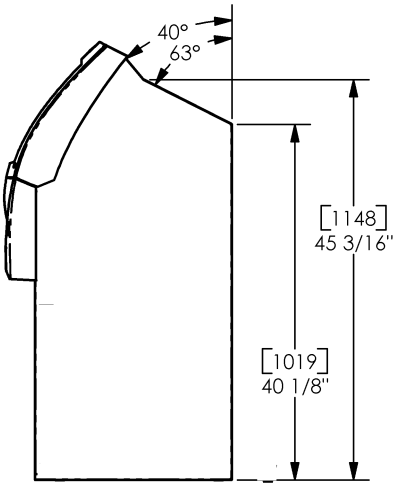
Rear View



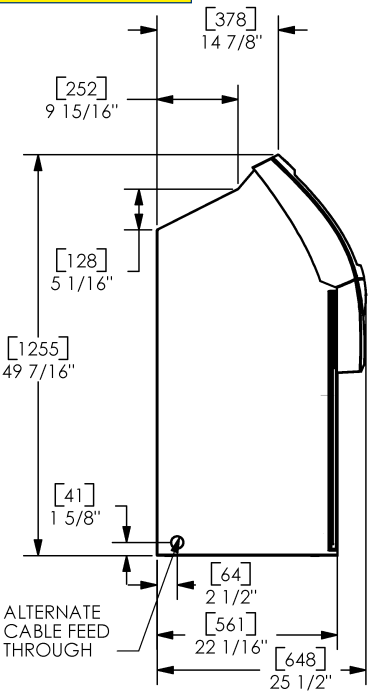


Cabinet (w/signage)

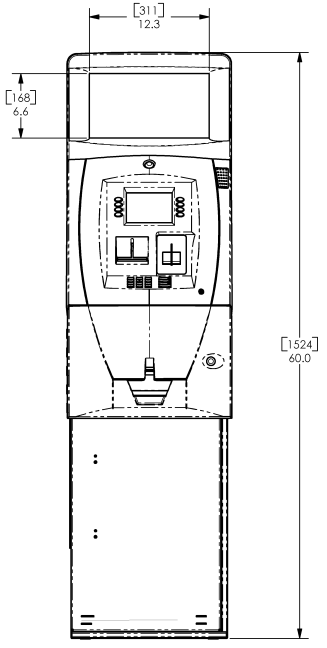
CABINET FOR SDD DISPENSERS

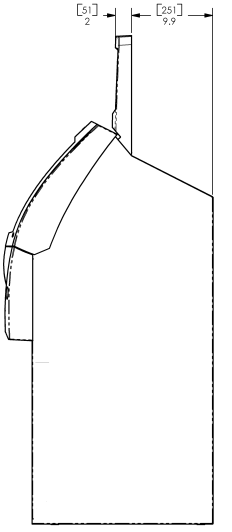


Side View



Rear View





Cabinet (w/signage)

CABINET INSTALLATION

CABINET INSTALLATION

The following procedure applies to installing the cabinet assembly using either standard (P/N 06200-00066) or chemical (06200-00060) anchor kits. The anchor kits **are not** supplied with the unit.

Tools Required		
Torque wrench, adjustable to at least 60 foot pounds, adjustable crescent wrench, or ratchet wrench		
Center punch (or equivalent) for marking drill points		
Hammer	3/4" (19 mm) socket	Large flat screwdriver
Bubble level	7/16" socket / box wrench	Safety goggles
Hearing protection	1/4" (6 mm) , 1/2" (12 mm), and 9/16" (15 mm) carbide-tipped masonry drill bits - at least 6" long	3/4" heavy -duty electric drill (rotary/hammer)
Back support belt	Portable vacuum cleaner	Wire brush
Standard Anchor Kit		
1/2" flat washers	1/2" x 4-1/4" sleeve-type anchor bolts	1/2" nuts
Chemical Anchor Kit		
Hex nuts and washers	Chemical anchor capsules	Threaded chisel-point rods

UNPACK ATM

1. Carefully inspect the shipping container for any damage and report any damage immediately to the shipping company. Refer to the warranty information in the User or Service manual (as applicable) for information about reporting shipping damage.

2. Remove the ATM cabinet from the carton by cutting the straps and removing the top of the box.

3. Remove the packing material from inside of the box.

4. Remove the silver key from the white plastic bag attached to the ATM wrapping.

5. Stand the unit up and walk it out of the shipping carton.

6. Remove the wrapping from the ATM.

7. Use the silver key to unlock both the control panel and the fascia door (which conceals the locking mechanism) on the front of the cabinet. Open the fascia door.

8. Lift the handle under the bill chute to open the front enclosure door. If the door is locked, see the sidebar on this page for help in unlocking the electronic or mechanical lock, if applicable..

9. Remove the packing material from inside the vault enclosure. Next, carefully remove the dispensing mechanism (TDM-100/SDD, if applicable). Inspect the dispenser and report any damage to Triton. Set the mechanism aside, if applicable. This will be installed in later steps.

10. The accessory box is shipped inside the cabinet enclosure. Open and inspect the contents. Check the contents against the enclosed packing list and report any missing parts to Triton.

NOTE
The Model 9100 ATM is designed for indoor use only!

UNLOCKING COMBINATION LOCKS

Mechanical Lock. There are two marks on the dial ring. The index mark at the top of the dial is used for opening the lock. A revolution is counted each time the selected number is aligned with the opening index.
Locks are shipped on a factory setting of **'50'**. To unlock, turn the dial to the left (counterclockwise) **FOUR** (4) turns, stopping on '50'. Then turn the dial to the right (clockwise) until the bolt is retracted.

Electronic Lock. The combination of the lock is preset to **1-2-3-4-5-6**. To unlock, enter the preset combination and check for proper operation. After each keypress, the lock will 'beep'. After the final digit has been entered, the lock will beep twice, and the open period begins. When a valid combination has been entered, the operator will have approximately 3 seconds to open the lock. To open the lock, turn the outer ring of the dial clockwise. After the lock is opened, the vault door may be opened.

SELECTING THE INSTALLATION LOCATION

Choosing the right location for your ATM is very important. Security concerns suggest a location that is away from any door or external access point. Ideally, the terminal should be mounted as close to a back wall as possible. For marketing reasons, however, it may be desirable to locate the terminal near the front where your customers can easily locate it. Wherever you decide to locate the terminal, be sure to follow the recommended procedures for both mounting the terminal and for removing cash when the unit will be unattended.

Mark/Drill Mounting Holes

Mark the location of the cabinet mounting holes on the concrete floor. This is accomplished as described below:

1. Move the ATM to the location where it will be installed.

   Open the cabinet door at least 90° to improve access. Locate the four anchor-bolt holes (cutouts) in the bottom of the cabinet. Use a felt-tip pen or other marker to carefully mark the center of each of these four holes on the floor; these marks will serve as guides for the anchor bolt holes that will be drilled in the next step. Move the ATM aside to provide clear access to the mounting hole marks. Center punch each mark to help align the drill bit.

2. Use a 1/4" (6 mm) diameter carbide-tipped masonry bit to drill four pilot holes at the drilling points marked in the previous step. Drill the pilot holes approximately 1/2" (12 mm) deep into the floor. These holes will help guide the masonry bit that will be used to drill the anchor-bolt holes in the next step.

3. **Standard anchors:** Use a **1/2" (12 mm)** diameter carbide-tipped masonry bit to drill four holes at least **2-3/4" (70 mm)** deep into the floor. Be sure to take into account the depth of any floor covering, such as tile or vinyl when gauging the depth of the anchor holes. *Make sure the holes are drilled at least 2- 3/4" into the concrete floor.*

TOOL USE/SAFETY

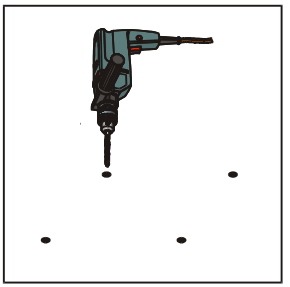
Observe ALL safety precautions for operating hand and power tools! Wear eye and ear protection while operating the electric drill!

CONCRETE STRENGTH

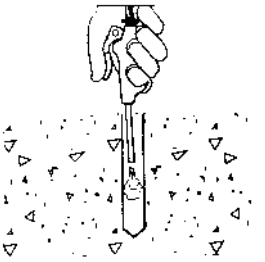
The floor at the installation location should consist of commercial-grade concrete measuring at least **2000 psi** in compression strength. ***The full effectiveness of the mounting anchors depends upon meeting this specification!*** Check with the contractor/builder or owner of the installation to verify that this requirement can be satisfied.

3a. Chemical anchors: Use a **15 mm (9/16")** diameter carbide-tipped masonry bit to drill four holes at least **115 mm (4-1/2")** deep into the floor. Be sure to take into account the depth of any floor covering, such as tile or vinyl when gauging the depth of the anchor holes. *Make sure the holes are drilled at least 4- 1/2" (115 mm) into the concrete floor.*

4. Use a portable vacuum cleaner to remove any dust or debris that may have fallen into the holes during the drilling process.



Drill anchor holes



Blow out dust/debris.

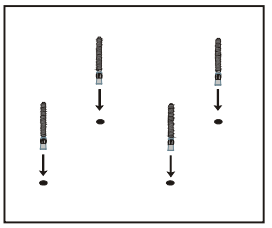
Install Standard Anchors Bolt ATM to Floor

1. Ensure the leveling feet are flush with the bottom of the cabinet. If necessary, use a screwdriver to adjust the leveling bolts inside the cabinet (near the four corners) so that the leveling feet are flush with the bottom of the cabinet.

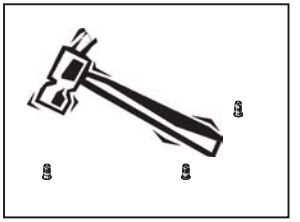
2 Move the ATM into position for mounting by aligning the base over the four holes drilled in the previous procedure.

3 Place an anchor bolt through the cabinet base and into one of the mounting holes. Use a ball peen hammer to tap the bolt completely into the hole.

IMPORTANT: If the anchor bolt "falls" into the hole without needing to be tapped in, the hole is too large! The mounting-hole pattern will have to be moved and redrilled using smaller holes as necessary to achieve a snug fit.



Place anchor bolts in mounting holes.



Tap anchor bolts into mounting holes.

4. Place a flat washer on the anchor bolt followed by a 1/2" nut.

5. Repeat Steps 2 and 3 for the remaining anchor bolts.

6. Ensure the cabinet is as level as possible given the floor conditions. Use a bubble level to verify this. If a bubble-level is not available, the cabinet can be "rocked" gently from front-to-back and side-to-side to check the need for leveling.

7. Use a torque wrench and 3/4" socket to tighten each nut to a torque setting of ***60 foot-pounds (required to establish the maximum pull-out strength of the anchors)***. If a torque wrench is not available, use a ratchet wrench and 3/4" socket to tighten the nuts ***three full turns beyond hand tight***.

8 Once the nuts are tightened as specified in Step 7, ***install a second nut on each bolt and tighten down firmly***.

Install Chemical Anchors Bolt Plinth to Floor

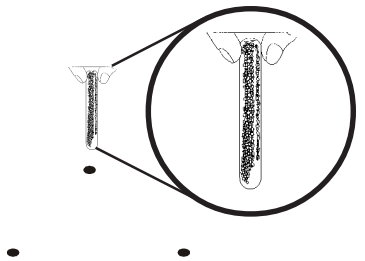
1. Move the ATM into position for mounting by aligning the base over the four holes drilled in the previous procedure.

2. Begin by inserting a Chem Stud capsule into one of the mounting holes. Either end of the capsule may be inserted first.

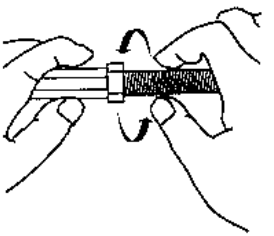
3. Place a washer and a nut (in that order) onto a chisel point rod. Thread the nut onto the rod, leaving 3 to 4 threads exposed.

4. Thread the rod coupler onto the threaded rod until it is tight against the nut. The threaded rod used should be free of dirt, grease, oil or other foreign material.

5. Select the drive unit, insert it into a rotary hammer drill and engage the coupling to be used.



Insert Chem Stud capsule in mounting hole.



Prepare chisel point anchor rod. Add washer and nut.

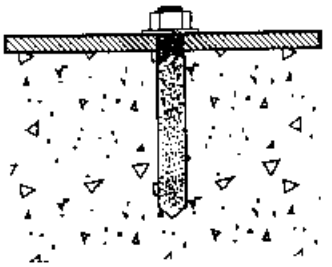
6. Insert the chisel point of the rod into the hole to break the glass capsule. Change to rotary and spin it into the capsule at a speed of **250 to 500 RPM**, until it is fully embedded. ***IMPORTANT! Turn the rotary hammer drill OFF IMMEDIATELY when the rod is fully embedded!***

7. Pull the driver out of the coupling while holding the rod. Hold the hex nut with a wrench to unthread the coupler.

8. Repeat steps 1-7 for each of the remaining mounting holes.

9. Allow the adhesive to cure for the specified time (see chart and important not, which follow) prior to applying any load to the anchors. During the winter, the hole temperature may be different than the room temperature! The hole temperature should be measured to determine the curing time required. ***DO NOT disturb or load the anchors until they are fully cured!***

Drive anchor rod into capsule using hammer drill.



Allow seated anchor to cure.

Base Material Temperature*	Setting Time
68º F / 20º C and over	20 minutes
50º F / 10º C to 68º F / 20º C	30 minutes
32º F / 0º C to 50º F / 10º C	1 hour
23º F / -5º C to 32º F / 0º C	5 hours
14º F / -10º C to 23º F / -5º C	10 hours

10. Ensure the ATM is as level as possible given the floor conditions. Use a bubble level to verify this. If a bubble-level is not available, the cabinet can be "rocked" gently from front-to-back and side-to-side to check the need for leveling.

11. Use an adjustable wrench or a ratchet wrench with 18 mm (3/4-inch) socket to tighten the nuts down. ***No minimum torque setting for the nuts is required.*** Simply ensure the nuts are tightened down firmly enough to secure the plinth to the anchors. Tightening the nuts just beyond hand tight should prove adequate.

12. Once the ATM is square (level), install a second nut on each bolt and tighten down firmly.

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DISPENSER INSTALLATION
(TDM-100 / SDD / MINIMECH)

TDM-100 INSTALLATION

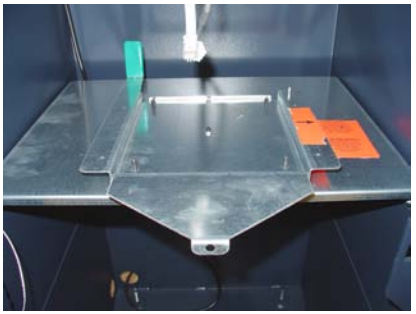
1. Unlock and open the control panel. Verify that the power switch is in the OFF (0) position. Close the control panel.

2. Remove the packing material from the ends of the dispenser data and power cables that are hanging inside the cabinet.

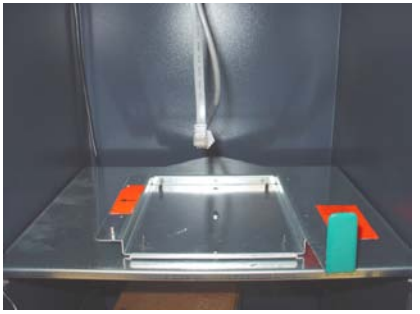
3. Unpack and remove the dispensing mechanism from its shipping container. ***Remove*** the currency and reject cassette from the dispenser.

Power switch on right side of power module.

4. Open the security cabinet and check the position of the turntable. The turntable must be in the cassette **"SERVICE"** position to correctly install the dispensing mechanism. The turntable is in the "Service" position when the green handle is towards the rear of the cabinet.

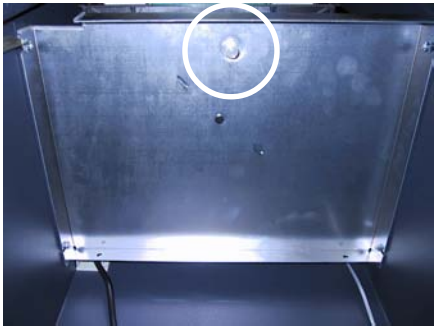


Turntable in cassette ***"Service"*** *position.*

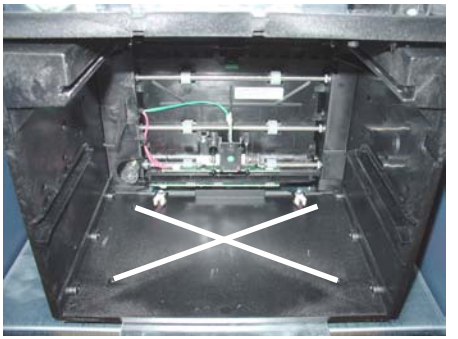


Turntable in cassette ***"Operate"*** *position.*

5. If the turntable is not in the service position, pull down on the turntable locking pin located on the underside of the tray, as shown below, and rotate the turntable ***'clockwise'*** until it is in the service position. Release the locking pin to lock the turntable.



6. Place the dispensing mechanism on the turntable in the cassette service position (with the opening for the currency and reject cassettes facing to the front as you look into the security cabinet).



7. Refer to figure above. Align the four holes in the base of the dispensing mechanism with the four holes in the turntable. Secure the dispensing mechanism to the turntable with the four, #6-32 x 5/16 screws supplied.

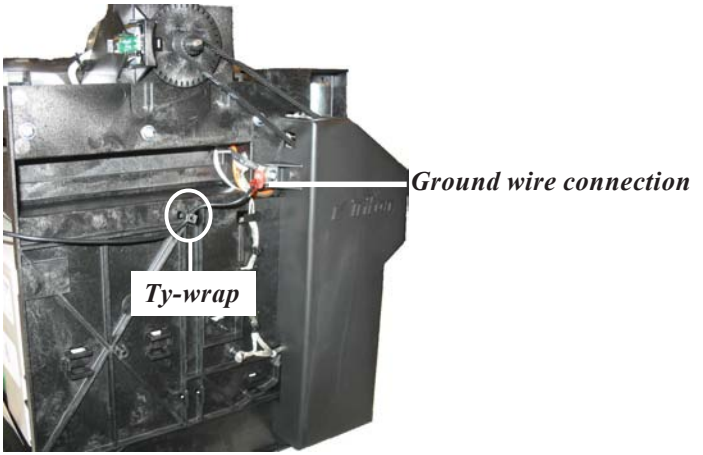
8. Reinstall the note and reject cassette. Rotate the dispenser back ***'counterclockwise'*** to the ***"Operate"*** position.

Dispenser in ***"Operate"*** *position.*

9. **Route the serial communications cable and power cable through the Ty-wrap loop** located on figure below. Plug the data cable into jack J11. Plug the DC power connector into jack J12 **Pull Ty wrap to secure cables to dispenser.**

Cable tie wrap near data / power connections.

10. Next, plug the ground wire to the dispenser as shown. Use a Ty-wrap to secure.



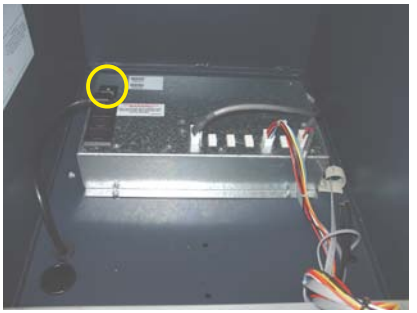
Important

After the dispenser and cables have been installed, rotate the turntable a few times to ensure the cables do not bind or are placing stress on the dispenser connectors.

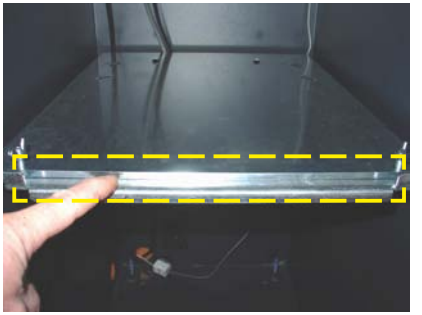
SDD INSTALLATION

1. Unlock and open the control panel. Verify that the power switch is in the OFF (0) position. Close the control panel.

2. The dispenser tray is fixed (**No** slide rails). Also, there is a **spacer bar** located under the two (2) wing nuts that will secure the dispenser. Before installing an SDD dispenser, refer to the ***NOTE*** on the next page.



Power switch on left side of power module.



Spacer bar location.

* Note *

Before you install an SDD mechanism, you *may* have to remove the spacer bar depending on which version of SDD dispenser you have. Units shipped with an SDD mechanism **WILL** retain the spacer. If you bought a unit without a dispenser, you will need to determine which version of SDD mechanism you will be installing. If your dispenser looks like the one shown in Figure 1, you will need to **REMOVE** the spacer bar prior to installing. If your dispenser looks like the one shown in Figure 2 (same as shipped mechanism), you will **RETAIN** the spacer.

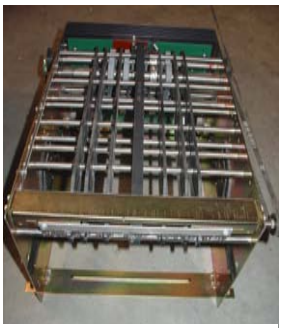


Figure 1. "Older" SDD.

Figure 2. "Current" SDD.

3. Pick up the dispensing mechanism and place it on end as shown in Figure 3 below.

   (Note: For better access to connect the cables, you may want to place the dispenser on the cassette shown in Figure 4).

Figure 3. Place dispenser on end.

Figure 4. Dispenser on cassette.

4. Refer to Figure 5. Connect the data cable to the DB25 connector (PL6) on the rear of the dispenser mechanism. Secure the cable to the dispenser by tightening the 2 thumbscrews on the connector. Insert the Molex power plug into the connector marked PL2. This plug is keyed so that it can only be inserted in one direction.

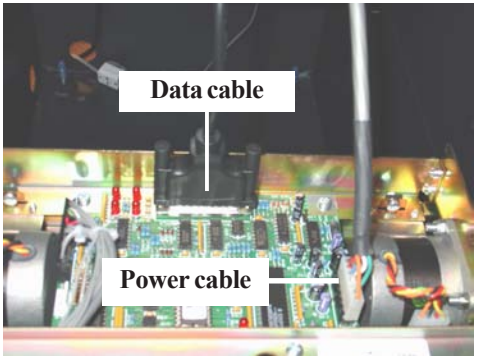
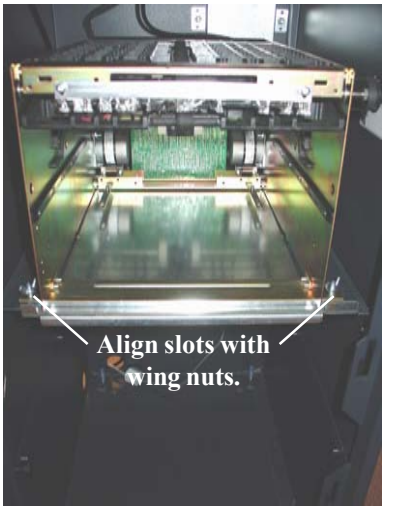


Figure 5. Connect power and data cables.

5. Loosen the wing nuts on the dispenser tray. Grasp the dispenser and place on the tray. The mechanism should slide under two tabs in the rear and the front edge slots should align with the two bolts provided with wing nuts. Once the mechanism is fully engaged on to the tray, tighten the wing nuts by hand.

Note
If you have an older dispenser (see ***NOTE*** previous pages), you **MUST** remove the spacer bar!



6. Check to ensure the data and power cables are not resting on any moving parts of the dispenser (belts, timing wheel).

MINIMECH INSTALLATION

1. Unlock and open the control panel. Verify that the power switch is in the OFF (0) position. Close the control panel.

2. Unpack and remove the mechanism from its shipping container.

3. Remove the packing material from the ends of the dispenser data and power cables that are hanging inside the cabinet.

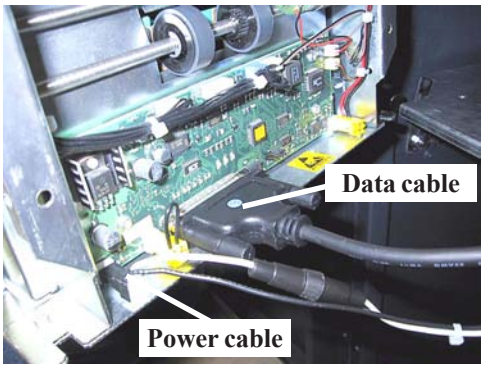
4. Place the dispenser on the tray. Turn the dispenser so that the rear of the unit (where the power and data cables connectors are located) may be accessed.

Power switch on right side of power module.

5. Refer to Figure below. Ensure the data cables are connected and secured tightly to the Electronic Journal, as shown.

6. Refer to Figure above. Route the power and data cable up through the access hole in the dispenser tray. If not already installed, clip the strain-relief grommet on to the two cables. Squeeze the release button on the side of the grommet and push the grommet up and into the cutout hole in the tray. The grommet should snap into place.

7. Plug the power and data cables into the mating connectors on the back of the dispenser. Make sure the white strain clip on the power cable is pointing down. Make sure the thumbscrews on the data cable are securely tightened.



****CAUTION****

Do not remove the yellow connector (w/ jumper wire attached) located next to the data cable receptacle from the main board assembly. If it is removed, the dispensing mechanism will not operate.

8. Refer to Figure at right. Slide the mechanism under the rear screws on the tray and align the front with the screw holes at the left and right corners of the mechanism chassis. Secure using two (2) screws provided in the accessory box.

NOTE

On very first TEST DISPENSE, the dispenser performs a Learn Note Thickness routine. This causes the dispensing mechanism to dispense six (6) notes from the Note Cassette into the reject area of the cassette. This operation will calibrate the double detect on the dispensing mechanism and test the mechanisms ability to pick currency from the cassette. After completing the Test Dispense operation, a Return Code of '20 20 26' should be indicated on the display. This indicates that six notes were successfully moved from the Note Cassette to the Reject compartment. An additional Test Dispense should dispense one note from the cassette to the Reject compartment and display a Return Code of '20 20 21'. This is the normal return code for a successful relearn.

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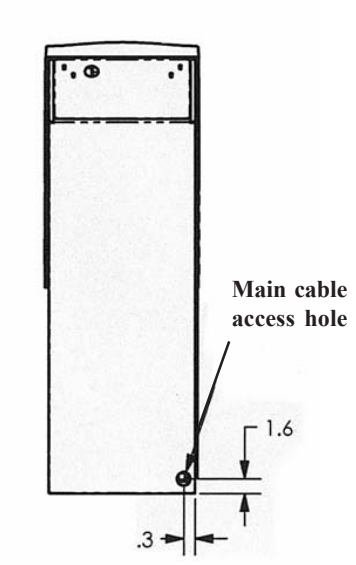
POWER AND COMMUNICATION

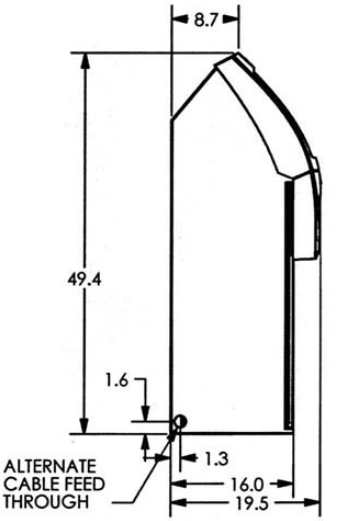
ROUTE / CONNECT AC POWER AND COMMUNICATION LINE

1. Route the AC power cord and the phone (or Cat-5) cable through either the main or alternate cable access hole (as applicable).

2. Connect the AC power cord and communication cable to their respective facility outlets.

3. Secure/plug the access holes with the grommet or plug provided.





Power Outlet Accessibility

Whether you are installing a new AC socket outlet or plan to use an existing outlet to supply power to the ATM, make sure the following requirements are met:

1. The outlet is located near the equipment.

2. AC power for the terminal should come from a dedicated source with an isolated ground. The ATM is designed to work on an IT (Isolated-Terra) type power system having a phase-to-phase voltage not exceeding 240 volts.

3. The outlet is easily accessible and will not be blocked once the equipment is installed.

APPENDIX A

SOFTWARE LICENSE AGREEMENT
COMPLIANCE / EMISSION STATEMENTS

AUTOMATED TELLER MACHINE ("ATM") SOFTWARE END-USER AGREEMENT

IMPORTANT: PLEASE READ CAREFULLY:

BY INSTALLING OR OTHERWISE USING THE ATM, YOU (AS THE OWNER OR LESSEE OF THE ATM). AGREE TO BE BOUND BY THE FOLLOWING TERMS AND CONDITIONS, INCLUDING, WITHOUT LIMITATION, THE WARRANTY DISCLAIMERS, LIMITATIONS OF LIABILITY AND TERMINATION PROVISION WHICH APPLY TO YOUR USE OF THE ATM SOFTWARE CONTAINED IN THIS ATM AND IS HEREBY LICENSED BY TRITON SYSTEMS OF DELAWARE, INC. ("Triton") TO YOU PURSUANT TO THIS AGREEMENT.

IF YOU DO NOT AGREE TO OR ARE NOT WILLING TO BE BOUND BY THE TERMS AND CONDITIONS OF THIS AGREEMENT, DO NOT INSTALL OR OTHERWISE USE THIS ATM AND PROMPTLY CONTACT YOUR VENDOR. INSTALLING OR OTHERWISE USING THE ATM INDICATES THAT YOU ACCEPT THESE TERMS.

This ATM is manufactured by, and utilizes proprietary software owned by Triton Systems of Delaware, Inc. and/or its suppliers. All right, title and interest in and to all component software installed or embedded in the ATM ("ATM Software") including all associated intellectual property rights, are and will remain the property of Triton and/or its suppliers.

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DISCLAIMER OF WARRANTIES AND LIMITATION OF DAMAGES

TO THE EXTENT PERMITTED BY LAW, THIS ATM SOFTWARE, INCLUDING ALL INCORPORATED THIRD PARTY SOFTWARE, AND DERIVATIVES IS PROVIDED, "AS IS". TRITON MAKES NO REPRESENTATIONS WITH RESPECT TO, AND DOES NOT WARRANT THE PERFORMANCE OR RESULTS YOU OR YOUR CUSTOMERS MAY OBTAIN BY USING THE ATM. TRITON SPECIFICALLY DISCLAIMS ANY AND ALL WARRANTIES, EXPRESS, IMPLIED OR STATUTORY, INCLUDING WITHOUT LIMITATION, WARRANTIES OF QUALITY, PERFORMANCE, NONINFRINGEMENT, AND MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.

TRITON MAKES NO REPRESENTATIONS OR WARRANTIES AND ASSUMES NO OBLIGATIONS TO YOU OR YOUR CUSTOMERS WITH RESPECT TO ANY TRANSACTION OR SERVICES ACCESSED AND/OR UTILIZED IN CONSUMER-INITIATED TRANSACTIONS MADE FROM THIS ATM. IN NO EVENT WILL TRITON, ITS AFFILIATES, DIRECTORS, OFFICERS, EMPLOYEES, AGENTS OR SUPPLIERS BE LIABLE TO YOU UNDER ANY THEORY OF TORT, CONTRACT, STRICT LIABILITY OR OTHER LEGAL OR EQUITABLE THEORY FOR ANY PUNITIVE, CONSEQUENTIAL, INCIDENTAL, SPECIAL OR SIMILAR DAMAGES, INCLUDING ANY LOSS PROFITS OR LOST SAVINGS, EVEN IF A TRITON AGENT OR REPRESENTATIVE HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, OR FOR ANY CLAIM BY ANY THIRD PARTY.

YOUR SOLE REMEDY AGAINST TRITON FOR DEFECTIVE PERFORMANCE OF THE ATM SOFTWARE WILL BE LIMITED EXCLUSIVELY TO REPAIR OR REPLACEMENT OF THE ATM AND/OR THE ATM SOFTWARE, AT TRITON'S SOLE DISCRETION.

Any warranty pertaining to the ATM, its mechanical components exclusive of the ATM software, shall be governed and controlled by any warranty given to you by Triton in a separate document accompanying this ATM.

The foregoing limitation of liability and exclusion of certain damages will apply regardless of the success or effectiveness of other remedies.

GOVERNING LAW: This License Agreement shall be governed by the laws of the State of Mississippi and by the laws of the United States, excluding their conflicts of laws principles.

SEVERABILITY: In the event any provision of this License Agreement is found to be invalid, illegal or unenforceable, the validity, legality and enforceability of any of the remaining provisions shall not in any way be affected or impaired.

ENTIRE AGREEMENT: This License Agreement and the accompanying Limited Warranty set forth the entire agreement between you and Triton, supersedes all prior agreements, whether written or oral, with respect to the ATM Software, and may be amended only in writing signed by both parties.

COMPLIANCE / EMISSION STATEMENTS

DISCLAIMER

The manufacturer of the Automated Teller Machine (ATM) product(s) described herein makes no representations or warranties, either expressed or implied, by or with respect to anything in this manual, and shall not be liable for any implied warranties of fitness for a particular purpose or for any indirect, special, or consequential damages. Information in this document is subject to change without notice and does not represent a commitment on the part of the manufacturer.

**** CAUTION ****

Changes or modifications not expressly approved by Triton Systems could void the regulatory compliance approval and the warranty. Use of this product in a manner other than those described in this manual may result in personal injury!

FCC COMPLIANCE

Statement of Compliance: This equipment complies with Part 68 of the FCC rules. Located in the control area of the ATM is the product label. This label lists the FCC registration number and ringer equivalence number of the unit. If requested, this information must be provided to the telephone company. USOC/FIC Codes: When ordering service from the telephone company for the Model 9100 ATM, the following information should be supplied:
Universal Service Order Code (USOC): RJ-11C
The Facility Interface Code (FIC): 02LS2

Plug and Jack: The plug and jack used to connect this equipment to premise wiring and telephone network must comply with the applicable FCC Part 68 rules and requirements adopted by ACTA. A compliant telephone cord and modular plug is provided with this product. The telephone cord is designed to be connected to a compatible modular jack that is also compliant.

Ringer Equivalent Number (REN): The REN is used to determine the number of the devices that may be connected to a telephone line. Excessive RENs on a telephone line may result in the devices not ringing in response to an incoming call. In most but not all areas, the sum of the RENs should not exceed five (5). To be certain of the number devices that may be connected to a line, as determined by the local RENs, contact the local telephone company.

Harm to the Network: If the Model 9100 ATM causes harm to the telephone network, the telephone company will notify the customer that a temporary discontinuous of service may be required. If advanced notice is not possible, the telephone company will notify the customer as soon as possible. You will be advised of your right to file a complaint with the FCC if you believe it's necessary.

Notification of Changes in Telephone Company Equipment: The telephone company may make changes in its facilities, equipment, operations, or procedures that could affect the operation of the equipment. If this happens, the telephone company will provide advanced notice in order for you to make necessary modifications to maintain uninterrupted service.

Repairs and Returns: If telecom compatibility trouble is experienced with the Model 9100 ATM, you may contact for repairs and warranty information: Triton at 1-228-868-1317

Triton Systems of Delaware, Inc.
522 East Railroad Street
Long Beach, MS 39560

If the equipment is causing harm to the network, the telephone company may request that you disconnect the equipment until the problem is resolved. Repairs should be made only by qualified factory representatives.

Party Lines: The Model 9100 ATM must not be used on party lines.

Alarm Equipment: The Model 9100 ATM should have its own dedicated phone line. Do not install the 9100 on the same line as alarm equipment.

Electrical Safety Advisory: Telephone companies report that electrical surges, typically lightening transients, are very destructive to customer equipment connected to AC power sources. This has been identified as a major nationwide problem. A commercially available, power surge suppressor, is recommended for use with the Model 9100 to minimize damage in the event of an electrical surge.

CANADIAN IC COMPLIANCE

NOTICE:

The Industry Canada label identifies certified equipment. This certification means that the equipment meets telecommunications network protective, operational, and safety requirements as prescribed in the appropriate Terminal Equipment Technical Requirements document(s). The department does not guarantee the equipment will operate to the user's satisfaction.

Before installing this equipment, users should ensure that it is permissible to be connected to the facilities of the local telecommunications company. The equipment must also be installed using an acceptable method of connection. The customer should be aware that compliance with the above conditions may not prevent degradation of service in some situations.

Repairs to certified equipment should be coordinated by a representative designated by the supplier. Any repairs or alterations made by the user to this equipment or equipment malfunctions may give the telecommunications company cause to request the user to disconnect the equipment.

Users should ensure for their own protection that the electrical ground connections of the power utility, telephone lines and internal metallic water pipe system, if present, are connected together. This precaution may be particularly important in rural areas. ***Caution: Users should not attempt to make such connections themselves, but should contact the appropriate electric inspection authority or electrician, as appropriate.***

NOTICE:

The Ringer Equivalence Number (REN) assigned to each terminal device provides an indication of the maximum number of terminals allowed to be connected to a telephone interface. The termination on an interface may consist of any combination of devices subject only to the requirement that the sum of the Ringer Equivalence Numbers of all the devices does not exceed 5.

AVIS:

L'étiquette d'Industrie Canada identific le matériel homologué. Cette étiquette certifie que le matériel est conforme aux normes de protection, d'exploitation et de sécurité des réseaux de télécommunications, comme le prescrivent les documents concernant les exigences techniques relatives au matériel terminal. Le Ministère n'assure toutefois pas que le matériel fonctionnera à la satisfaction de l'utilisateur.

Avant d'installer ce matériel, l'utilisateur doit s'assurer qu'il est permis de le raccorder aux installations de 1'entreprise locale de télécommunication. Le matériel doit également être installé en suivant une méthode acceptée de raccordement. L'abonné ne doit pas oublier qu'il est possible que la comformité aux conditions énoncées cidessus n'empêche pas la dégradation du service dans certaines situations.

Les réparations de matériel homologué doivent être coordonnées par un représentant désigné par le fournisseur. L'entreprise de télécommunications peut demander à I'utilisateur de débrancher un appareil à la suite de réparations ou de modifications effectuées par l'utilisateur ou à cause de mauvais fonctionnement.

Pour sa propre protection, l'utilisateur doit s'assurer que tous les fils de mise à la terre de la source d'énergie électrique, des lignes téléphoniques et des canalisations d'eau métalliques, s'fl y en a, sont raccordés ensemble. Cette précaution est particulièrement importante dans les régions rurales. Avertissement: L'utilisateur ne doit pas tenter de faire ces raccordements lui-même; il doit avoir recours à an service d'inspection des installations électriques, ou à un électricien, selon le cas.

AVIS:

L'indice d'équivalence de la sonnerie (IES) assigné à chaque dispositif terminal indique le nombre maximal de terminaux qui peuvent étre raccordés à une interface. La terminaison d'une interface téléphonique peut consister en une combinaison de quelques dispositifs, à la seule condition que la somme d'indices d'équivalence de la sonnerie de tous les dispositifs n'exède pas 5.

UNITED KINGDOM

This equipment has been approved in accordance with Council Decision 98/482/EC for pan-European single terminal connection to the Public Switched Telephone Network (PSTN). However, due to differences between the individual PSTNs provided in the different countries, the approval does not, of itself, give unconditional assurance of successful operation on every PSTN network termination point. In the event of problems, contact your equipment supplier in the first instance. This unit uses only Dual-Tone Multi-Frequency (DTMF) address signaling.

EMISSIONS (EMI)

This device complies with Part 15 of the FCC rules. Operation is subject to the following two (2) conditions:

1. This device may not cause harmful interference.

2. This device must accept any interference received, including interference that may cause undesired operation.

NOTE:

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense. Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

CANADIAN EMISSION REQUIREMENTS

This digital apparatus does not exceed the Class A limits for radio noise emissions from digital apparatus set in the Radio Interference Regulations of the Canadian Department of Communications. This Class A digital apparatus complies with Canadian ICES-003.

Le present appareil numerique n'emet pas de bruits radioelectriques depassant les limites applicables aux appareils numeriques de la Class A prescrites dans le Reglement sur le brouillage radioelectrique edicte par le ministere des Communications du Canada. Cet appareil numerique de la classe A est conforme a la norme NMB-003 Canada.

UK / AUSTRALIAN EMISSION REQUIREMENTS

WARNING:

This is a Class A product. In a domestic environment, this product may cause radio interference in which case the user may be required to take adequate measures.

Notices

The information in this publication has been carefully checked and is believed to be accurate. However, Triton Systems of Delaware, Inc. assumes no responsibility for any inaccuracies, errors, or omissions that may be contained in this document. In no event will Triton Systems of Delaware, Inc. be liable for direct, indirect, special, incidental, or consequential damages resulting from any defect or omission in this manual, even if advised of the possibility of such damages.

In the interest of continued product development, Triton Systems of Delaware, Inc. reserves the right to make improvements in its documentation and the products it describes at any time, without notice or obligation.

APPENDIX B

ATM INSTALLATION FOR ACCESSIBILITY

A Guide to the New ADA-ABA Accessibility Guidelines

On July 23, 2004, the U.S. Access Board, an independent Federal agency, issued updated accessibility guidelines for new or altered facilities covered by Americans with Disabilities Act and the Architectural Barriers Act. These guidelines address a wide range of facilities in the private and public sectors. Presented here is an overview of the new guidelines that also highlights significant changes.The following guidelines (305 and 308) pertain to floor/ground space and reach ranges.

When will the new guidelines take effect?

The Board's guidelines are not mandatory on the public, but instead serve as the baseline for enforceable standards (which are) maintained by other Federal agencies. In this respect, they are similar to a model building code in that they are not required to be followed except as adopted by an enforcing authority. Under the ADA, the Department of Justice (and in the case of transit facilities, the Department of Transportation) are responsible for enforceable standards based on the Board's guidelines. These agencies will update their ADA standards based on the new guidelines. In doing so, they will indicate when the new standards are to be followed. Several other agencies (the General Services Administration, Department of Defense, Department of Housing and Urban Development, and the U.S. Postal Service) hold a similar responsibility for standards used to enforce the ABA.

Existing Facilities

The ADA and ABA guidelines cover new construction and planned alterations and generally do not apply to existing facilities except where altered. Facilities built or altered according to earlier versions of the ADA or ABA standards will not necessarily have to meet the updated version except where they are subsequently altered or renovated. The Department of Justice, which regulates requirements for existing facilities under the ADA, intends to address coverage of facilities built or altered according to the original ADA standards in its rulemaking to update the standards. It will also address facilities retrofitted under ADA provisions for existing facilities, such as the requirement for barrier removal in places of public accommodation. With respect to ABA facilities, the Board has clarified in the guidelines that facilities built to earlier ABA standards are subject to the new requirements only in relation to planned alterations.

305. Clear Floor or Ground Space

305.1 General. Clear floor or ground space shall comply with 305.

305.2 Floor or Ground Surfaces. Floor or ground surfaces of a clear floor or ground space shall comply with 302. Changes in level are not permitted.

EXCEPTION: Slopes not steeper than 1:48 shall be permitted.

305.3 Size. The clear floor or ground space shall be 30 inches (760 mm) minimum by 48 inches (1220 mm) minimum.

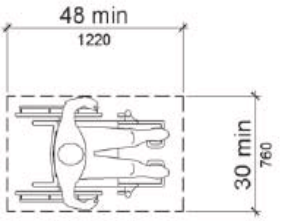


Figure 305.3 Clear Floor or Ground Space

305.4 Knee and Toe Clearance. Unless otherwise specified, clear floor or ground space shall be permitted to include knee and toe clearance complying with 306.

305.5 Position. Unless otherwise specified, clear floor or ground space shall be positioned for either forward or parallel approach to an element.

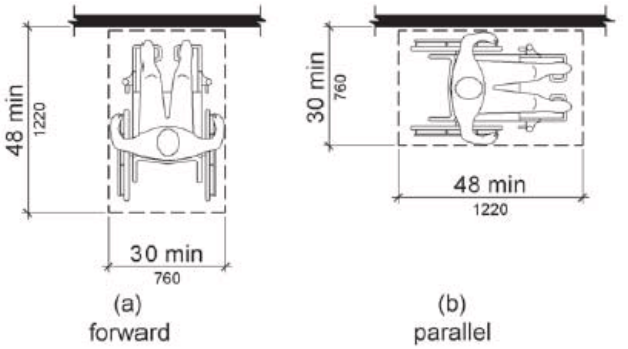


Figure 305.5 Position of Clear Floor or Ground Space

305.6 Approach. One full unobstructed side of the clear floor or ground space shall adjoin an accessible route or adjoin another clear floor or ground space.

305.7 Maneuvering Clearance. Where a clear floor or ground space is located in an alcove or otherwise confined on all or part of three sides, additional maneuvering clearance shall be provided in accordance with 305.7.1 and 305.7.2.

305.7.1 Forward Approach. Alcoves shall be 36 inches (915 mm)wide minimum where the depth exceeds 24 inches (610 mm).

305.7.2 Parallel Approach. Alcoves shall be 60 inches (1525 mm) wide minimum where the depth exceeds 15 inches (380 mm).

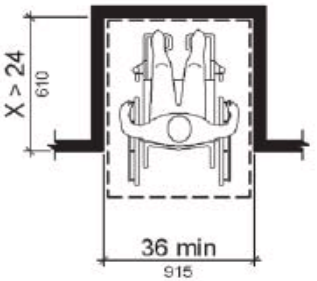


Figure 305.7.1 Maneuvering Clearance in an Alcove, Forward Approach

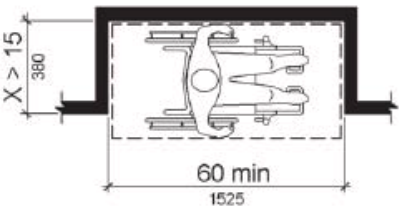


Figure 305.7.2 Maneuvering Clearance in an Alcove, Parallel Approach

308. Reach Ranges

308.1 General. Reach ranges shall comply with 308.

308.2 Forward Reach.

308.2.1 Unobstructed. Where a forward reach is unobstructed, the high forward reach shall be 48 inches (1220 mm) maximum and the low forward reach shall be 15 inches (380 mm) minimum above the finish floor or ground.

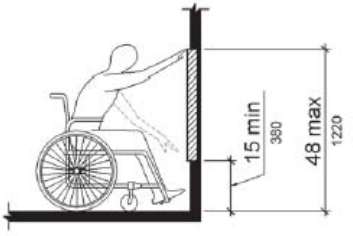


Figure 308.2.1 Unobstructed Forward Reach

308.2.2 Obstructed High Reach. Where a high forward reach is over an obstruction, the clear floor space shall extend beneath the element for a distance not less than the required reach depth over the obstruction. The high forward reach shall be 48 inches (1220 mm) maximum where the reach depth is 20 inches (510 mm) maximum. Where the reach depth exceeds 20 inches (510 mm), the high forward reach shall be 44 inches (1120 mm) maximum and the reach depth shall be 25 inches (635 mm) maximum.

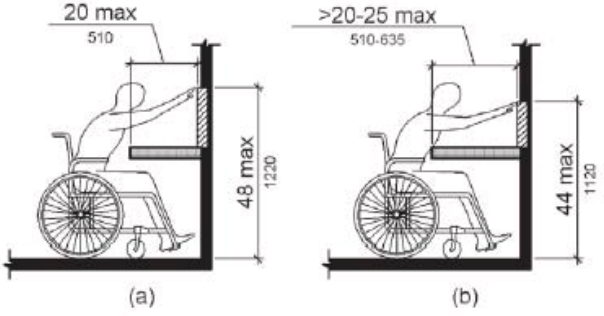


Figure 308.2.2 Obstructed High Forward Reach

308.3 Side Reach.

308.3.1 Unobstructed. Where a clear floor or ground space allows a parallel approach to an element and the side reach is unobstructed, the high sidereach shall be 48 inches (1220 mm) maximum and the low side reach shall be 15 inches (380 mm) minimum above the finish floor or ground.

EXCEPTIONS:

1. An obstruction shall be permitted between the clear floor or ground space and the element where the depth of the obstruction is 10 inches (255 mm) maximum.

2. Operable parts of fuel dispensers shall be permitted to be 54 inches (1370 mm) maximum measured from the surface of the vehicular way where fuel dispensers are installed on existing curbs.

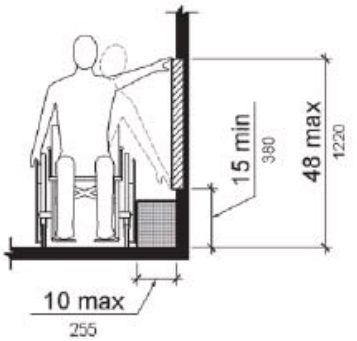


Figure 308.3.1 Unobstructed Side Reach

308.3.2 Obstructed High Reach. Where a clear floor or ground space allows a parallel approach to an element and the high side reach is over an obstruction, the height of the obstruction shall be 34 inches (865 mm) maximum and the depth of the obstruction shall be 24 inches (610 mm) maximum. The high side reach shall be 48 inches (1220 mm) maximum for a reach depth of 10 inches (255 mm) maximum. Where the reach depth exceeds 10 inches (255 mm), the high side reach shall be 46 inches (1170 mm) maximum for a reach depth of 24 inches (610 mm) maximum.

EXCEPTIONS:

1. The top of washing machines and clothes dryers shall be permitted to be 36 inches (915 mm) maximum above the finish floor.

2. Operable parts of fuel dispensers shall be permitted to be 54 inches (1370 mm) maximum measured from the surface of the vehicular way where fuel dispensers are installed on existing curbs.

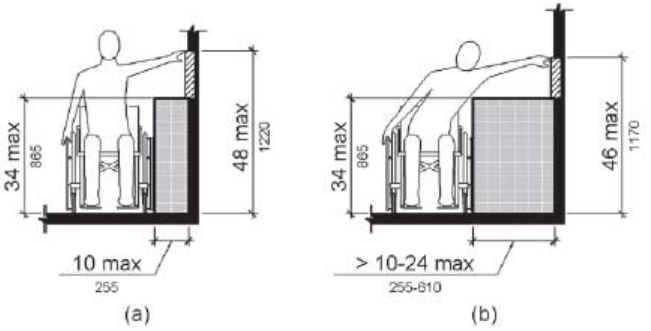


Figure 308.3.2 Obstructed High Side Reach

ATM INSTALLATION FOR ACCESSIBILITY

1. This document supercedes all other information provided by Triton for ATM installation for accessibility.

2. Information provided in this manual is based on federal guidelines (ADA Accessibility Guidelines for Buildings and Facilities – ADAAG) as amended through January 1998. You should verify it has not been amended. States may also have accessibility codes. These codes may be more restrictive than the federal guidelines. Please verify this with the state where the ATM is to be installed prior to installation. For state contact information, you may call the ADA information line at 1-800-514-0301.

3. For countries other than the US, please use the guidelines for accessibility for that country.

4. A complete copy of the ADAAG referred to here can be found at http://www.access-board.gov. Included in this document is the section of the ADAAG specifically for ATMs. For additional information on floor surfaces and other ADAAG requirements, please see the complete specification.

4.34 Automated Teller Machines.

4.34.1 General. Each automated teller machine machine required to be accessible by **4.1.3 (Accessible Buildings: New Construction)** shall be on an accessible route and shall comply with **4.34 (Automated Teller Machines).**

4.34.2 Clear Floor Space. The automated teller machine shall be located so that clear floor space complying with **4.2.4 (Clear Floor or Ground Space for Wheelchairs)** is provided to allow a person using a wheelchair to make a forward approach, a parallel approach, or both to the machine.

4.34.3 Reach Ranges.

(1) Forward Approach Only. If only a forward approach is possible, operable parts of all controls shall be placed within the forward reach range specified in **4.2.5 (Forward Reach).**

(2) Parallel Approach Only. If only a parallel approach is possible, operable parts of controls shall be placed as follows:

(a) Reach Depth Not More Than 10 inches (255 mm). Where the reach depth to the operable parts of all controls as measured from the vertical plane perpendicular to the edge of the unobstructed clear floor space at the farthest protrusion of the automated teller machine or surround is not more than 10 inches (255 mm), the maximum height above the finished floor or grade shall be 54 inches (1370 mm).

(b) Reach Depth More Than 10 inches (255 mm). Where the reach depth to the operable parts of any control as measured from the vertical plane perpendicular to the edge of the unobstructed clear floor space at the farthest protrusion of the automated teller machine or surround is more than 10 inches (255 mm), the maximum height above the finished floor or grade shall be as follows:

ACCESSIBILITY SPECIFICATIONS			
REACH DEPTH		MAXIMUM HEIGHT	
Inches	Millimeters	Inches	Millimeters
10	255	54	1370
11	280	53 1/2	1360
12	305	53	1345
13	330	52 1/2	1335
14	355	51 1/2	1310
15	380	51	1295
16	405	50 1/2	1285
17	430	50	1270
18	455	49 1/2	1255
19	485	49	1245
20	510	48 1/2	1230
21	535	47 1/2	1205
22	560	47	1195
23	585	46 1/2	1180
24	610	46	1170

(3) Forward and Parallel Approach. If both a forward and parallel approach are possible, operable parts of controls shall be placed within at least one of the reach ranges in paragraphs (1) or (2) of this section.

(4) Bins. Where bins are provided for envelopes, waste paper, or other purposes, at least one of each type provided shall comply with the applicable reach ranges in paragraph (1), (2), or (3) of this section.

EXCEPTION: Where a function can be performed in a substantially equivalent manner by using an alternate control, only one of the controls needed to perform that function is required to comply with this section. If the controls are identified by tactile markings, such markings shall be provided on both controls.

4.34.4 Controls. Controls for user activation shall comply with **4.27.4 (Operation).**

4.34.5 Equipment for Persons with Vision Impairments. Instructions and all information for use shall be made accessible to and independently usable by persons with vision impairments.

(20) Where automated teller machines (ATMs) are provided, each ATM shall comply with the requirements of **4.34 (Automated Teller Machines)** except where two or more are provided at a location, then only one must comply.

EXCEPTION: Drive-up-only automated teller machines are not required to comply with **4.27 (Controls and Operating Mechanisms)** and **4.34.3 (Reach Ranges).**

4.2.4 Clear Floor or Ground Space for Wheelchairs.

4.2.4.1 Size and Approach. The minimum clear floor or ground space required to accommodate a single, stationary wheelchair and occupant is 30 inches by 48 inches (760 mm by 1220 mm) (see Fig.4a). The minimum clear floor or ground space for wheelchairs may be positioned for forward or parallel approach to an object (see Fig. 4b and 4c). Clear floor or ground space for wheelchairs may be part of the knee space required under some objects.

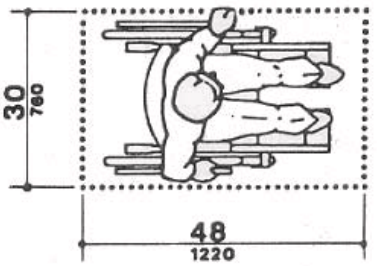


Figure 4a. Clear floor space.

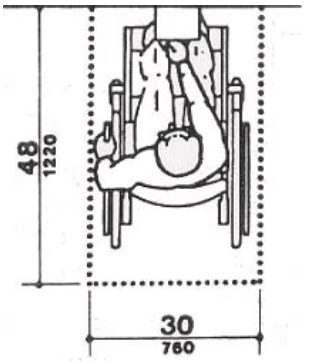


Figure 4b. Forward approach.

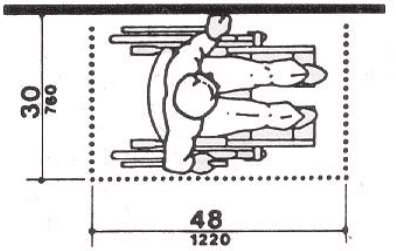
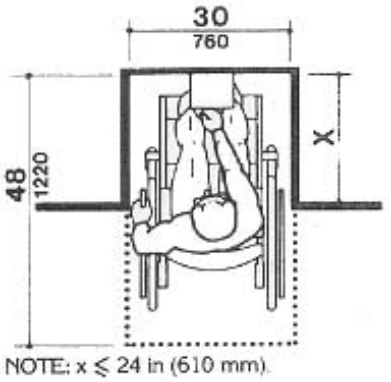
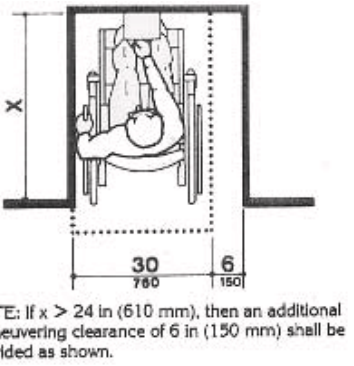


Figure 4c. Parallel approach.

4.2.4.2 Relationship of Maneuvering Clearance to Wheelchair Spaces. One full unobstructed side of the clear floor or ground space for a wheelchair shall adjoin or overlap an accessible route or adjoin another wheelchair clear floor space. If a clear floor space is located in an alcove or otherwise confined on all or part of three sides, additional maneuvering clearances shall be provided as shown in Fig. 4(d) and 4(e).



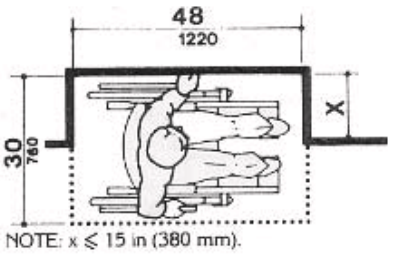
Figures 4d. Clear Floor Space in Alcoves.



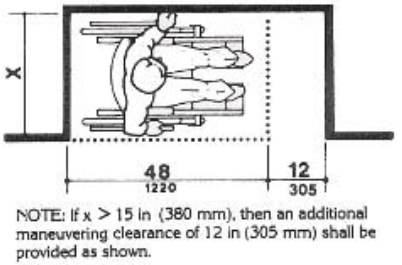
Figures 4e. Clear Floor Space in Alcove.

For a front approach, where the depth of the alcove is equal to or less than 24 inches (610 mm), the required clear floor space is 30 inches by 48 inches (760 mm by 1220 mm).

For a front approach, if the depth of the alcove is greater than 24 inches (610 mm), then in addition to the 30-inch (760 mm) width, a maneuvering clearance of 6 inches (150 mm) in width is required.



Figures 4d. Clear Floor Space in Alcoves.



Figures 4e. Clear Floor Space in Alcove.

For a side approach, where the depth of the alcove is equal to or less than 15 inches (380 mm), the required clear floor space is 30 inches by 48 inches (760 mm by 1220 mm).

For a side approach, where the depth of the alcove is greater than 15 inches (380 mm), then in addition to the 48-inch (1220 mm) length, an additional maneuvering clearance of 12 inches (350 mm) is required.

4.2.4.3 Surfaces for Wheelchair Spaces. Clear floor or ground spaces for wheelchairs shall comply with **4.5 (Ground and Floor Surfaces).**

4.2.5 Forward Reach. If the clear floor space only allows forward approach to an object, the maximum high forward reach allowed shall be 48 inches (1220 mm) (see Fig. 5(a)). The minimum low forward reach is 15 inches (380 mm). If the high forward reach is over an obstruction, reach and clearances shall be as shown in Fig. 5(b).

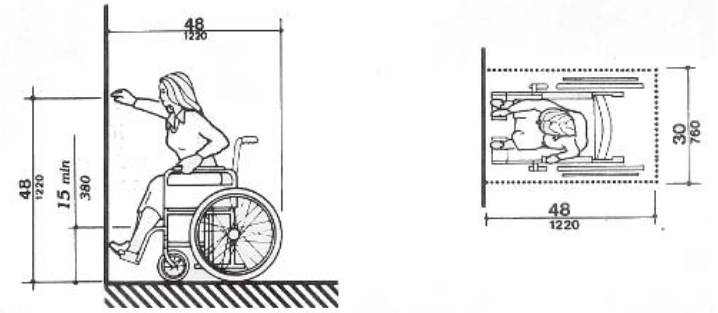
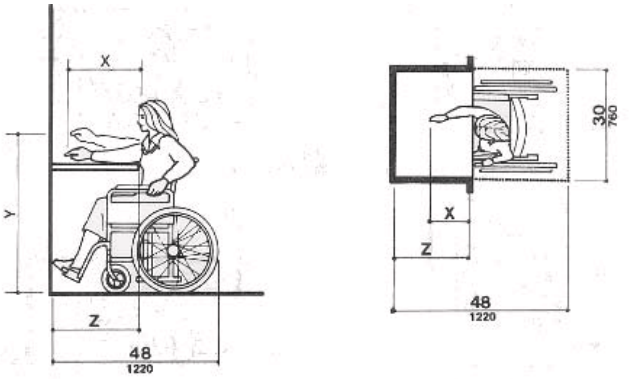


Figure 5a. Forward reach, unobstructed.



NOTE: x shall be ⩽ 25 in (635 mm); z shall be ⩾ x. When x < 20 in (510 mm), then y shall be 48 in (1220 mm) maximum. When x is 20 to 25 in (510 to 635 mm), then y shall be 44 in (1120 mm) maximum.

Figure 5b. Forward reach, obstructed.

4.2.6 Side Reach. If the clear floor space allows parallel approach by a person in a wheelchair, the maximum high side reach allowed shall be 54 inches (1370 mm) and the low side reach shall be no less than 9 inches (230 mm) above the floor (Fig. 6(a) and 6(b)). If the side reach is over an obstruction, the reach and clearances shall be as shown in Fig 6(c).

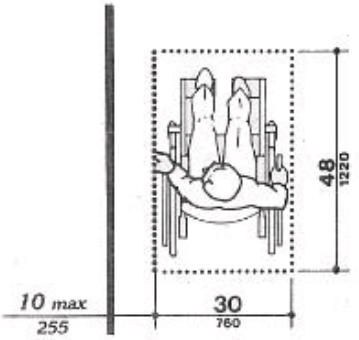


Figure 6a. Parallel approach - side reach.

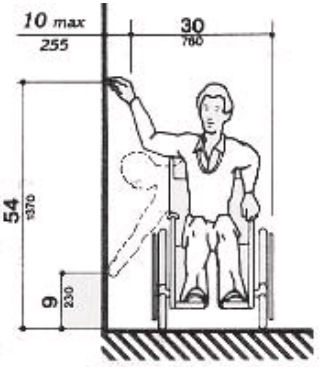
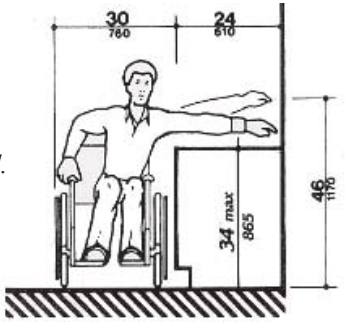


Figure 6b. Parallel approach - high/low side reach.

Figure 6c. Side reach, obstructed.



Outside Handicap Access Area		
48" (1219 mm) - Across -	30" (762 mm) - Deep -	* Measured from center of Control Panel Fascia *

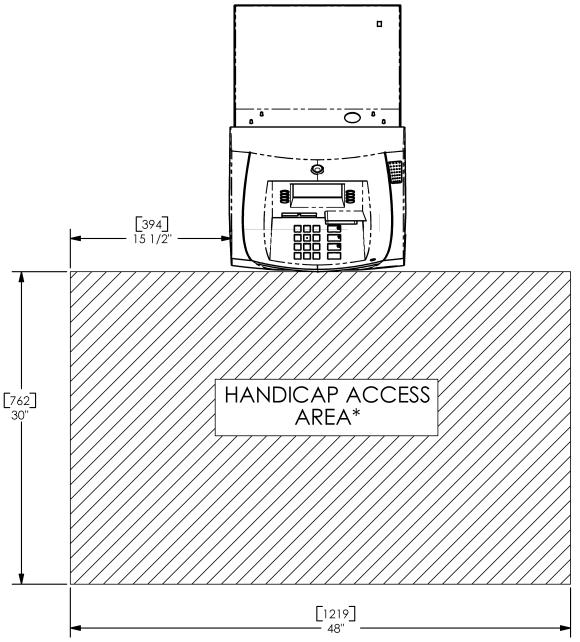


Figure 7. Handicap access area.

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