



# **iLAN Ethernet Box for 9100 Installation Manual**

07103-00154 March 11, 2014

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# DOCUMENT UPDATES

March 11, 2013      **Original**  
March 19, 2014      **Added Software Dependency**

## Software Dependency

A software update is required. The most current software and Release Notes are available for your unit on the Triton web site ([www.TritonATM.com](http://www.TritonATM.com)) or contact Triton Technical Support. The software must be US 7.3 or later version.

## External Ethernet Option Upgrade Kit for 9100

<b>Tools Required</b>	<ul style="list-style-type: none"><li>- Small flathead screwdriver</li><li>- #2 Phillips screwdriver</li><li>- 11/32 open end wrench</li><li>- Side cutters</li></ul>
<b>KIT P/N: 06200-00192</b>	<b>iLAN Kit with Cables</b>
PARTS SUPPLIED	
<b>Description</b>	<b>Quantity</b>
<b>Secure iLAN Device Server</b>	<b>1</b>
<b>Ethernet Cable 166"</b>	<b>1</b>
<b>iLAN Communication Cable</b>	<b>1</b>
<b>iLAN Power / Main Board Splitter Cable</b>	<b>1</b>
<b>Velcro Loop-side Round Dot</b>	<b>2</b>
<b>Velcro Hook-side Round Dot</b>	<b>2</b>
<b>6" Ty Wraps</b>	<b>4</b>

<b>Tools Required</b>	<ul style="list-style-type: none"> <li>- Small flathead screwdriver</li> <li>- #2 Phillips screwdriver</li> <li>- 11/32 open end wrench</li> <li>- Side cutters</li> </ul>
<b>KIT P/N: 06200-00135</b>	<b>External Ethernet Options Upgrade Kit for 9100</b>
PARTS SUPPLIED	
<b>Description</b>	<b>Quantity</b>
<b>Secure iLAN Device Server</b>	<b>1</b>
<b>Ethernet Cable 166"</b>	<b>1</b>
<b>iLAN Communication Cable</b>	<b>1</b>
<b>iLAN Power / Main Board Splitter Cable</b>	<b>1</b>
<b>Main Board Housing w/ Ethernet Option</b>	<b>1</b>
<b>External Ethernet Option Bracket</b>	<b>1</b>
<b>#8-32 Hex Nut</b>	<b>2</b>
<b>#8-32 – 1" Phillips Flathead Screw</b>	<b>1</b>
<b>#8-32 3/4" Phillips Pan Head Screw</b>	<b>1</b>
<b>Modem to Ethernet Adapter Board</b>	<b>1</b>
<b>4.5" Red TY Wrap</b>	<b>2</b>
<b>Velcro Loop-side Round Dot</b>	<b>2</b>
<b>Velcro Hook-side Round Dot</b>	<b>2</b>
<b>6" TY Wrap</b>	<b>4</b>

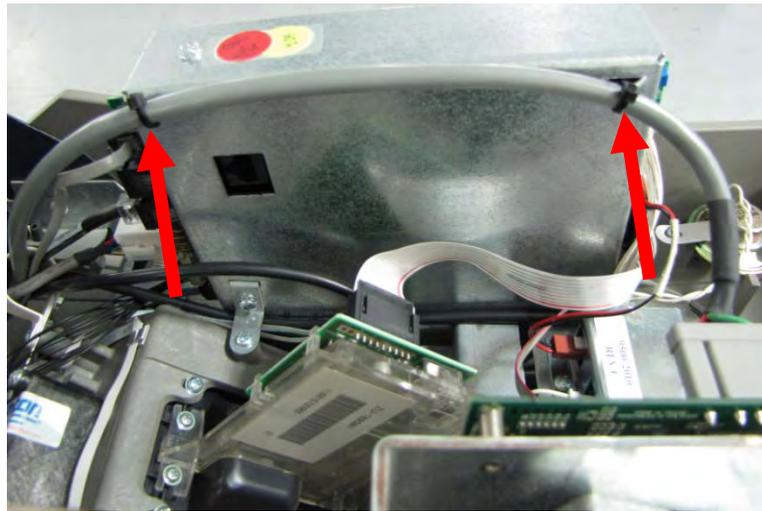
**iLAN Ethernet Box Upgrade Prep ..... Page 1**  
**External Ethernet Removal ..... Page 6**  
**iLAN Ethernet Box Installation ..... Page 9**  
**Management Functions ..... Page 20**

## iLAN Ethernet Box Upgrade Prep

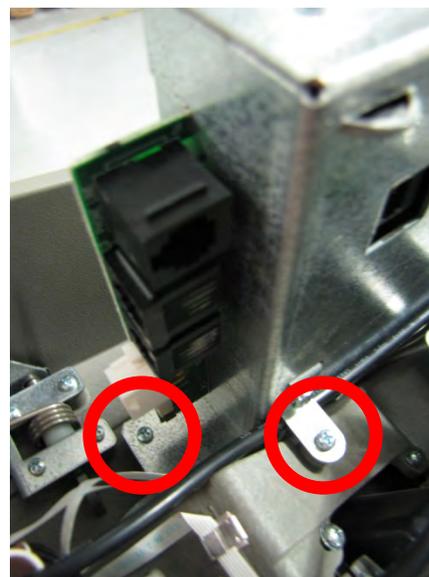
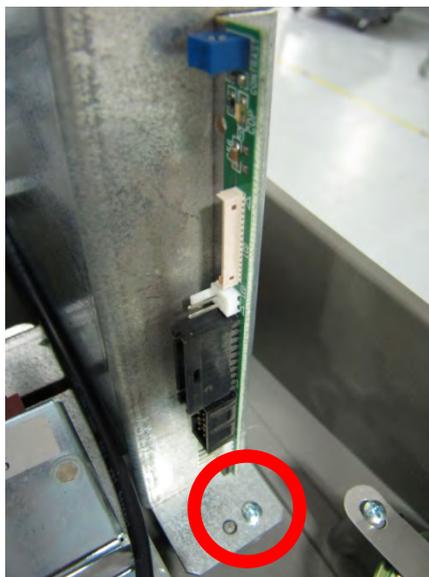
**NOTE:** To assist in reconfiguring the ATM, perform a “Test Receipt Printer” to print configuration before shutting the unit down.

**Step 1:** Unlock and open the control panel. Turn the power supply switch to the OFF (0) position.

**Step 2:** Using the side cutters, cut the TY Wraps securing the printer power cable to the side of the main board cover. If your unit has cable clips on the main board cover in place of the TY Wraps, remove the tubing from the clips then remove the cables from the tubing and set the tubing aside for reinstallation.



**Step 3:** Disconnect all the cables from each side of the main board assembly. Remove the main board assembly from the unit by removing the three screws securing the assembly.



**Step 4:** Remove the 2 screws from the top and bottom of the assembly. Set the screws aside for reinstallation.



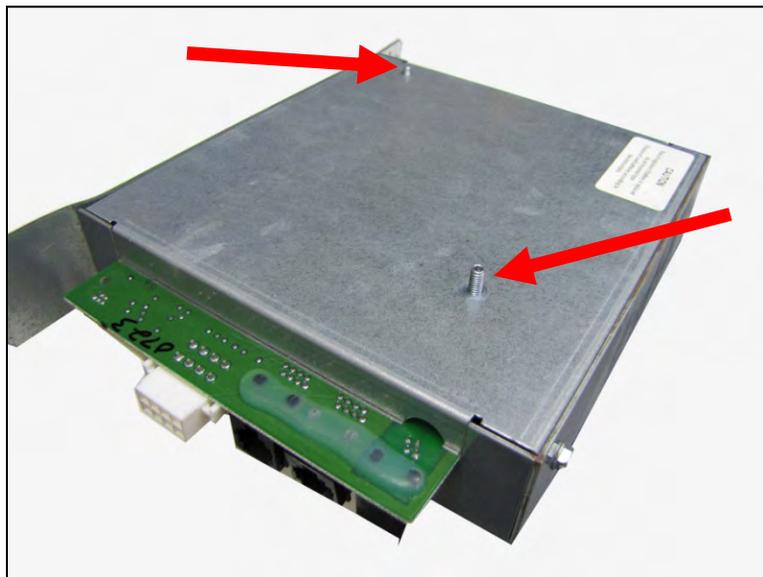
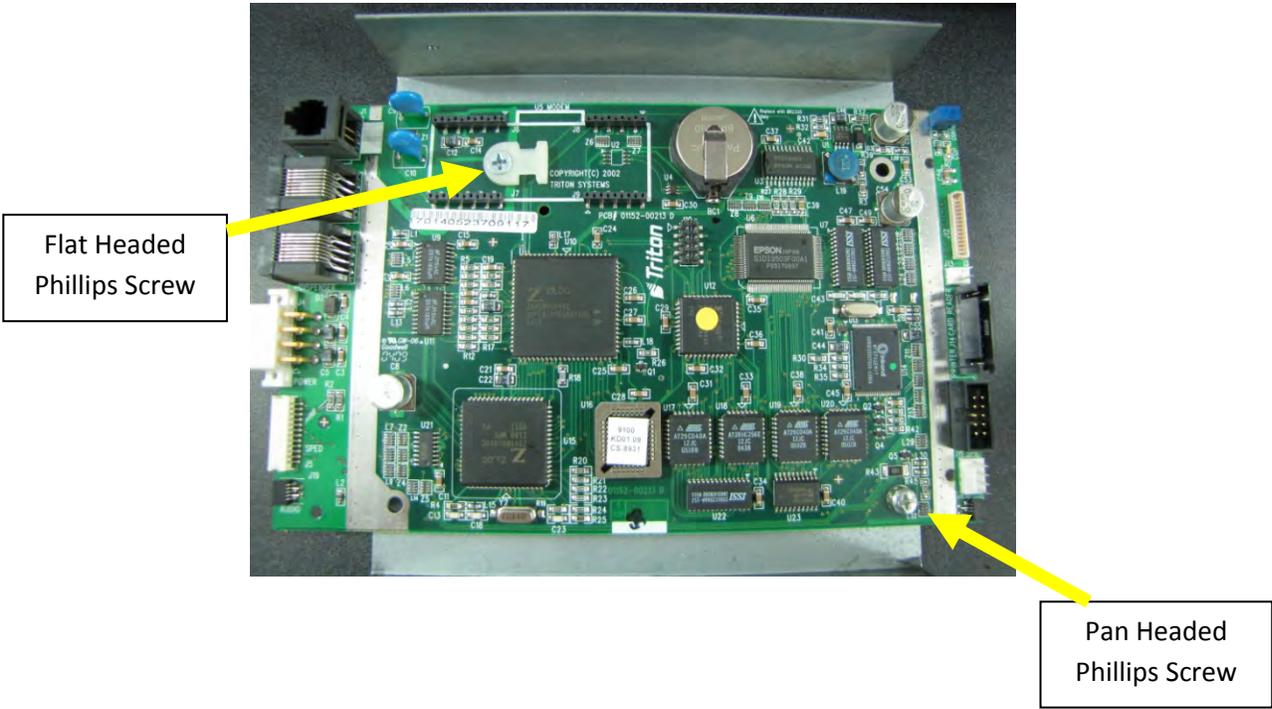
**Step 5:** Gently separate the top and bottom of the main board cover. Set the top aside.



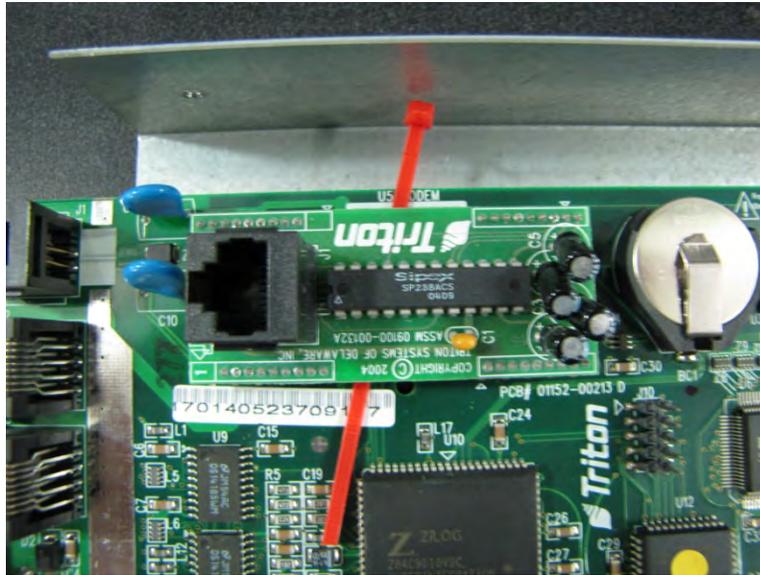
**Step 6:** Using side cutters, cut the TY Wrap that secures the modem module. Discard the TY Wrap. Remove the modem module by gently lifting it straight up unseating it from socket.



**Step 7:** The two screws securing the main board need to be replaced. Remove the screw holding the TY Wrap clip and replace it with the #8-32 – 1" Flat Headed Phillips screw. Ensure the TY Wrap clip remains on the board. Remove the second screw and replace it with the #8-32 – 3/4" Pan Headed Phillips screw. The screws will protrude on the backside of the cover.



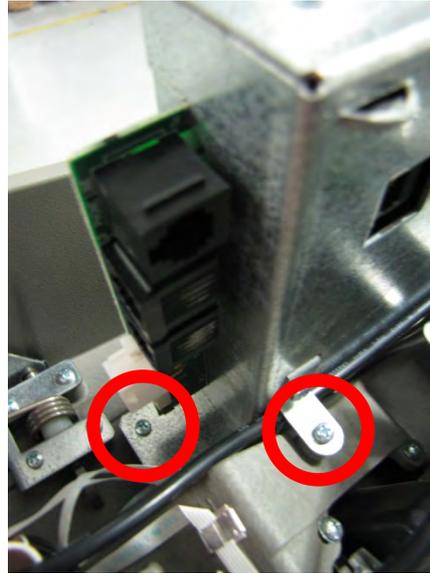
**Step 8:** Insert the red TY Wrap into the TY Wrap clip. Install the External Ethernet Adapter in the socket previously used for the modem module. Ensure the adapter is seated correctly on the socket. Secure the TY Wrap around the adapter and cut off excess.



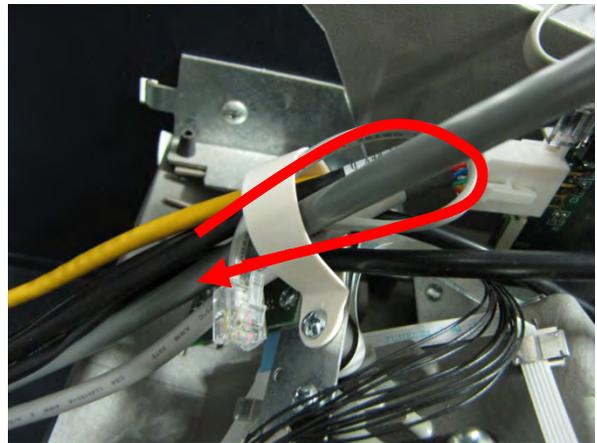
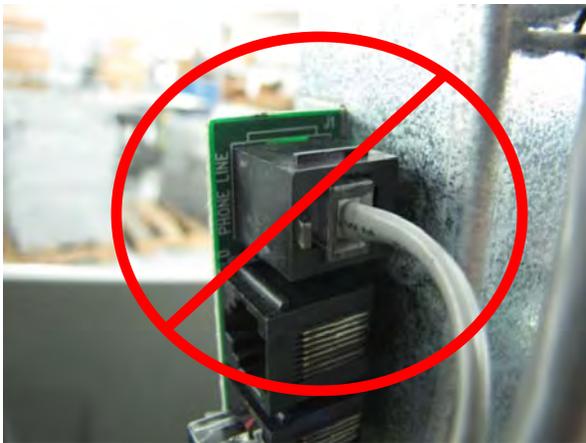
**Step 9:** Reinstall the top main board cover. If the original main board top cover did NOT have the square cut-out for the Ethernet option, replace it with the top main board housing supplied in the kit. (Be sure to remove the “L” bracket from the original top cover and install it onto the new top housing.) Secure the assembly together with the two screws removed in Step 4.



**Step 10:** Reinstall the main board assembly into the unit with the three screws removed in Step 3.



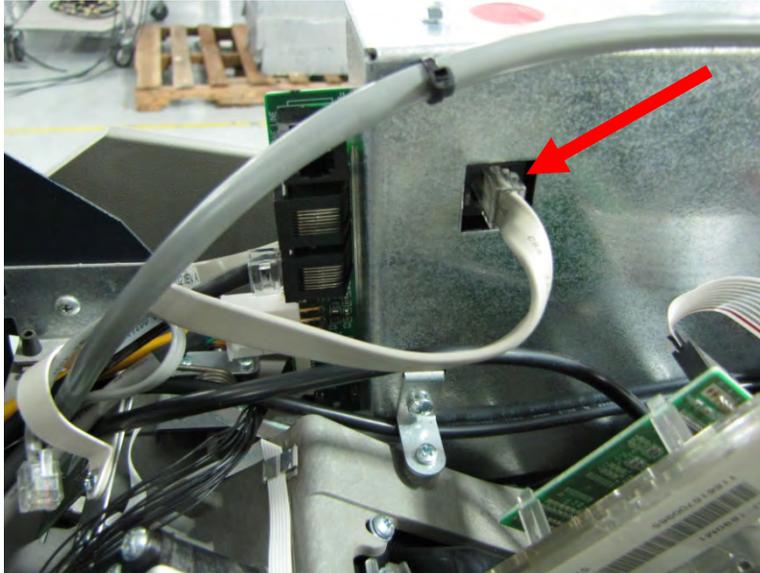
**Step 11:** Plug all the cables back into the correct ports on the main board except the phone cable. Leave the phone cable unplugged. Route the phone cable back on itself through the cable clip to secure it out of the way.



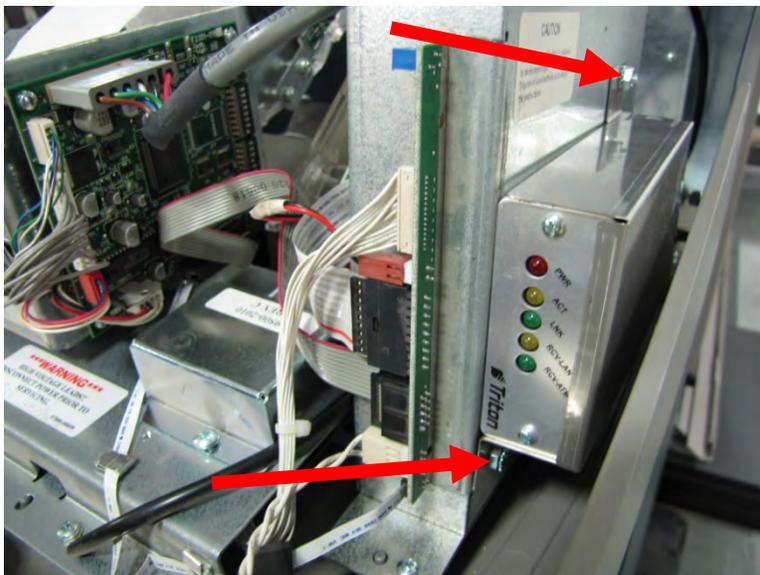
## External Ethernet Removal Instructions

**Step 1:** Unlock and open the control panel. Turn the power supply switch to the OFF (0) position.

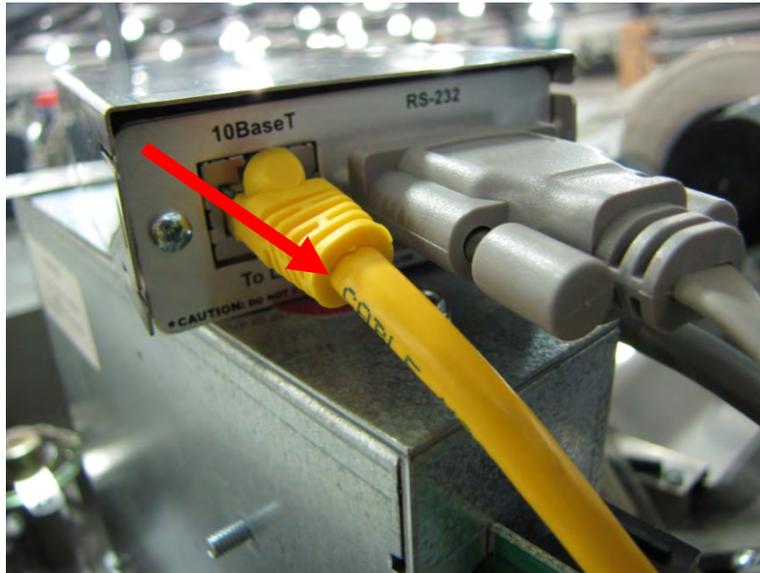
**Step 2:** Unplug the serial cable from the side of the main board assembly



**Step 3:** Remove the two hex nuts securing the Ethernet box and bracket to the side of the main board assembly. Set the two hex nuts aside for reinstallation.



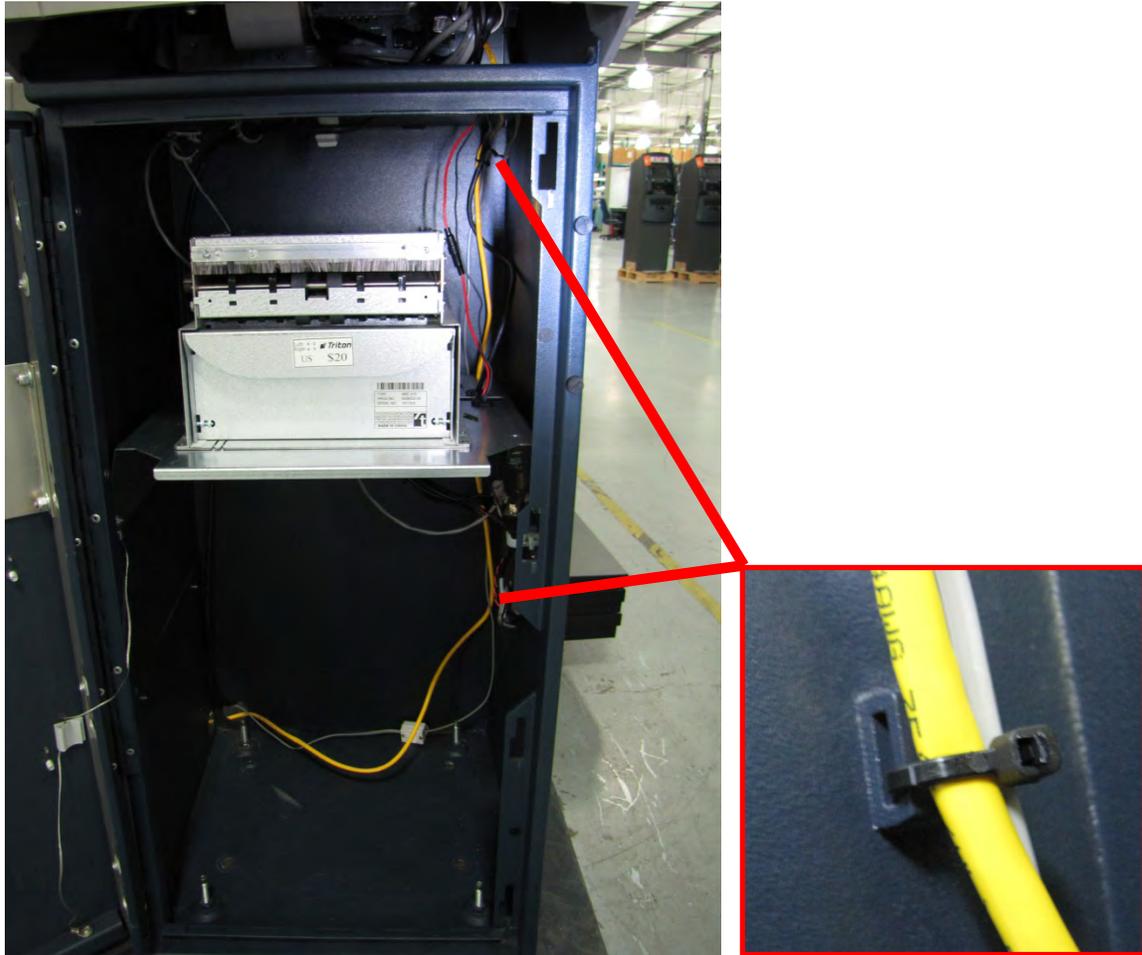
**Step 4:** Unplug the Ethernet cable from the Ethernet box.



**Step 5:** Separate the Ethernet box and bracket. Discard the Ethernet box and serial cable.



**Step 6:** Route the Ethernet cable down into the lower cabinet. Cut the TY Wraps securing the Ethernet cable to the cabinet. Discard the Ethernet cable.



## iLAN Ethernet Box Installation

**Step 1:** Obtain the iLAN box, bracket and the four Velcro pieces (2 soft, 2 hard).



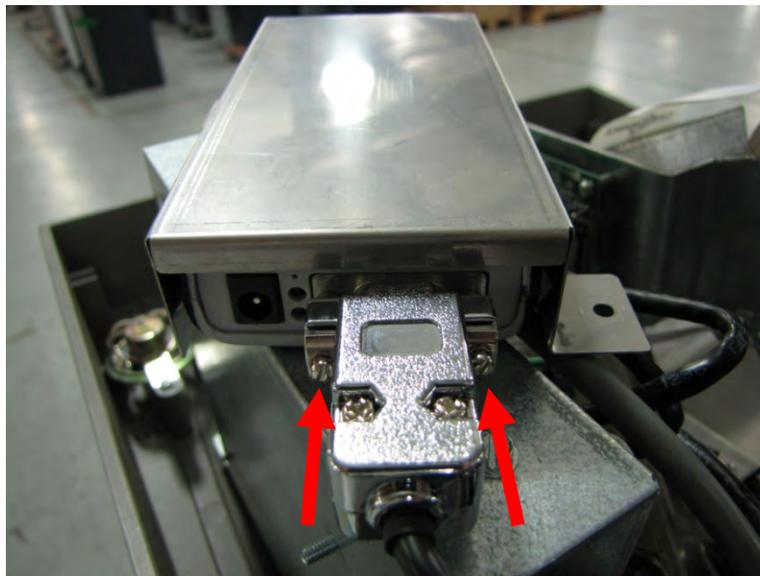
**Step 2:** Peel the paper backing off the two soft pieces of Velcro. Adhere them to the iLAN box as shown. Once the soft Velcro is secured in place, Velcro the hard sides to the soft pieces as shown.



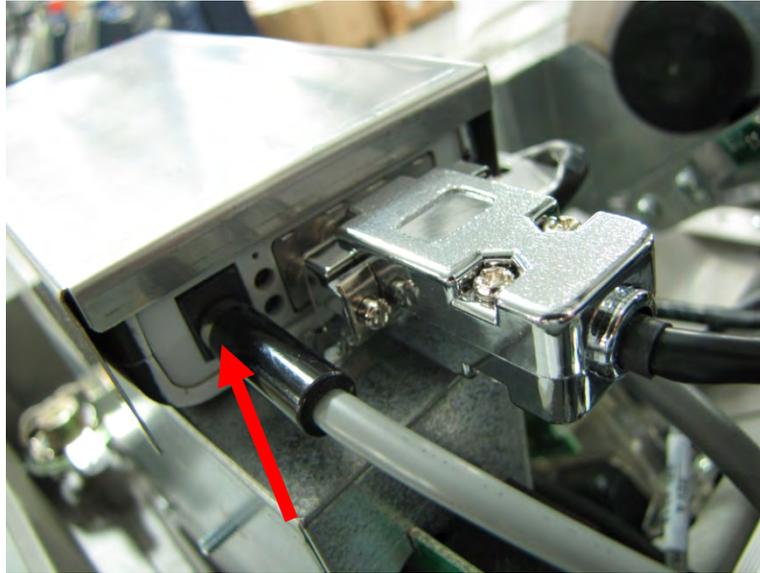
**Step 3:** Remove the paper backing from the hard pieces of Velcro. Place the iLAN box into the bracket with the serial port facing the side of the bracket with the metal lip as shown below. The iLAN box should be positioned against the bracket lip with extra bracket on the Ethernet port side. Once in place, gently push the box against the bracket to adhere the sticky side of the hard Velcro pieces.



**Step 4:** Plug the Secure iLAN Communication cable into the iLAN box. Secure the cable by tightening the two screws on either side of the port.



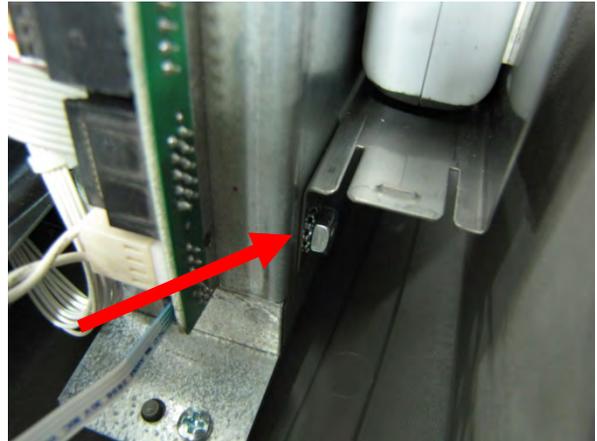
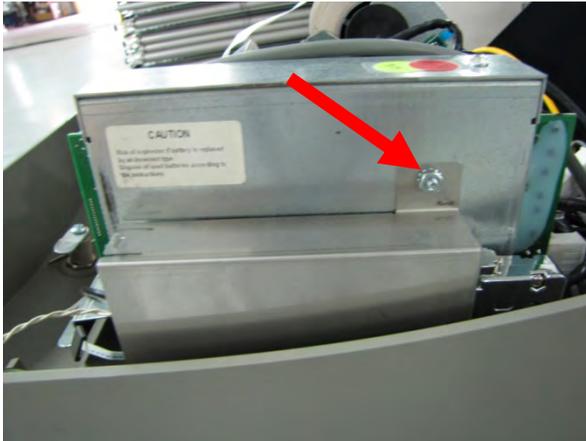
**Step 5:** Plug the Secure iLAN Power/Main Board Splitter cable into the iLAN box as shown.



**Step 6:** Place the bracket in place on the two posts on the side of the main board assembly.



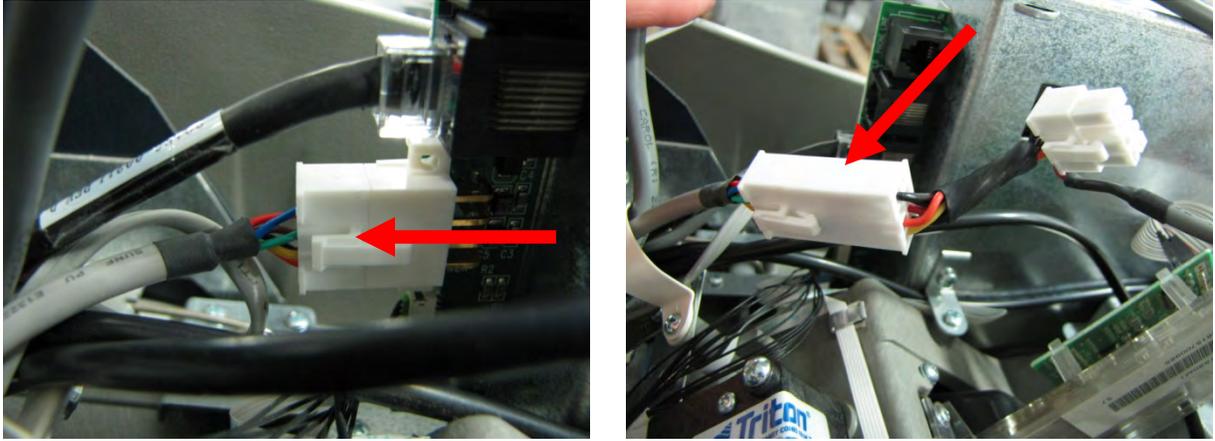
**Step 7:** Secure the bracket to the posts with the two #8-32 Hex Nuts.



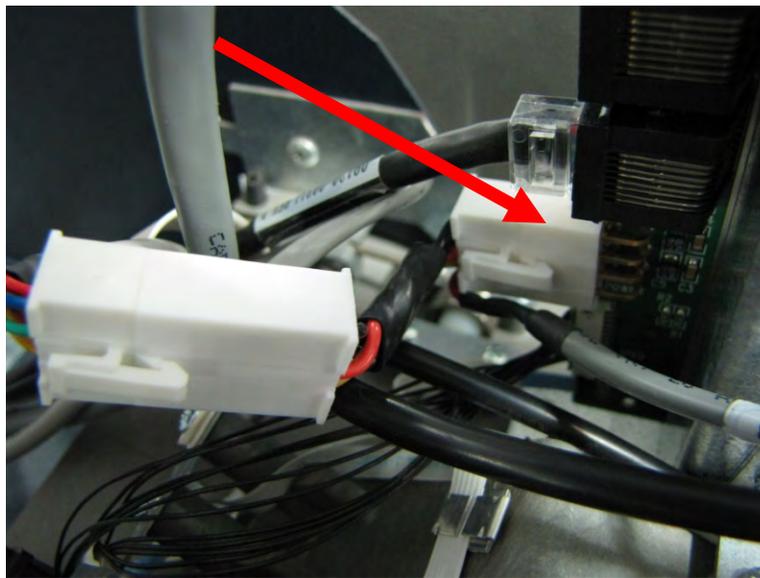
**Step 8:** Plug the Ethernet cable into the iLAN box as shown.



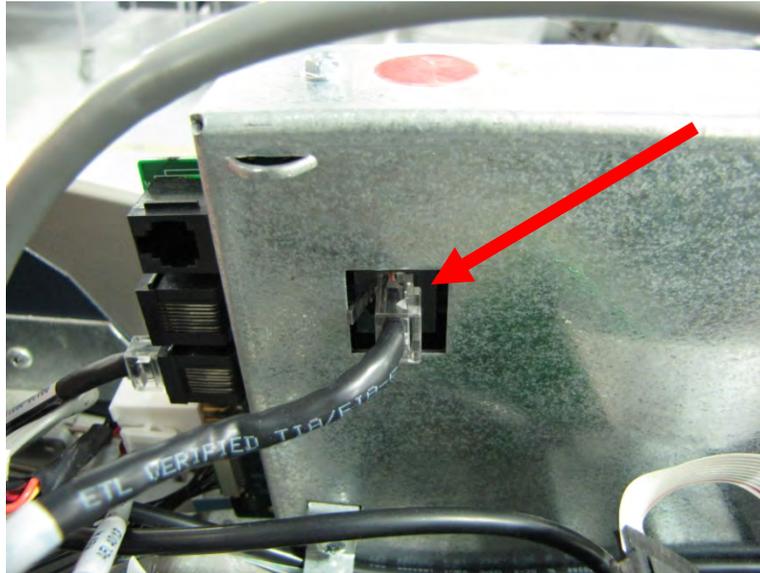
**Step 9:** Unplug the main board power cable from the rear of the main board assembly. Plug the main board power cable into the Secure iLAN Power/Main Board Splitter cable as shown.



**Step 10:** Plug the Secure iLAN Power/Main Board Splitter cable into the rear of the main board assembly.



**Step 11:** Plug the Secure iLAN Communication cable into the serial port on the side of the main board as shown.

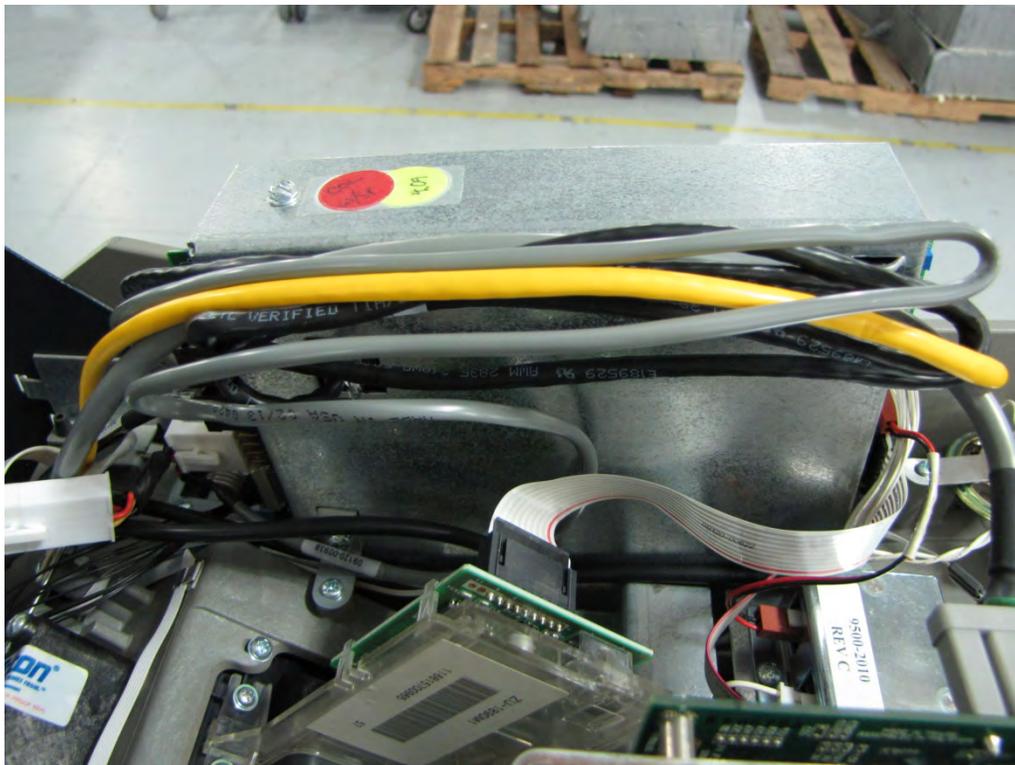


**Step 12:** Route the cables as indicated:

Ethernet cable across the upper side of the main board cover

Secure iLAN Communication cable across the upper side and back

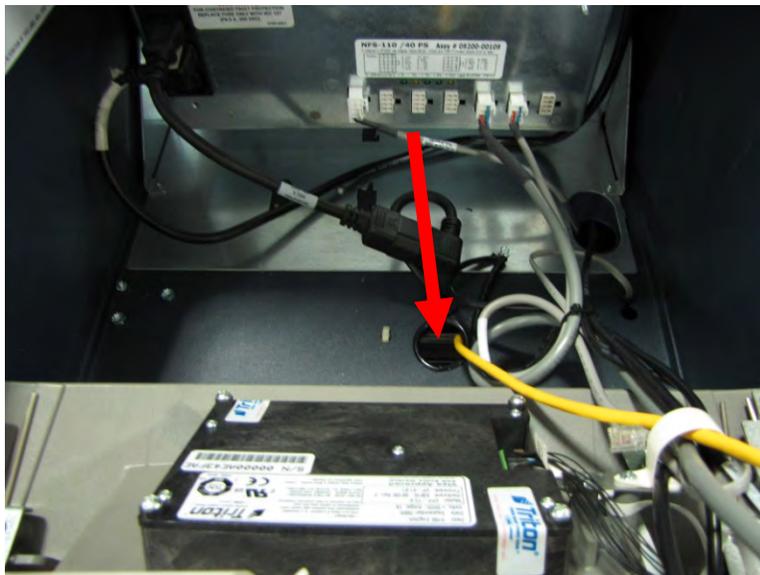
Secure iLAN Power/Main Board Splitter cable across the upper side, back and halfway across again



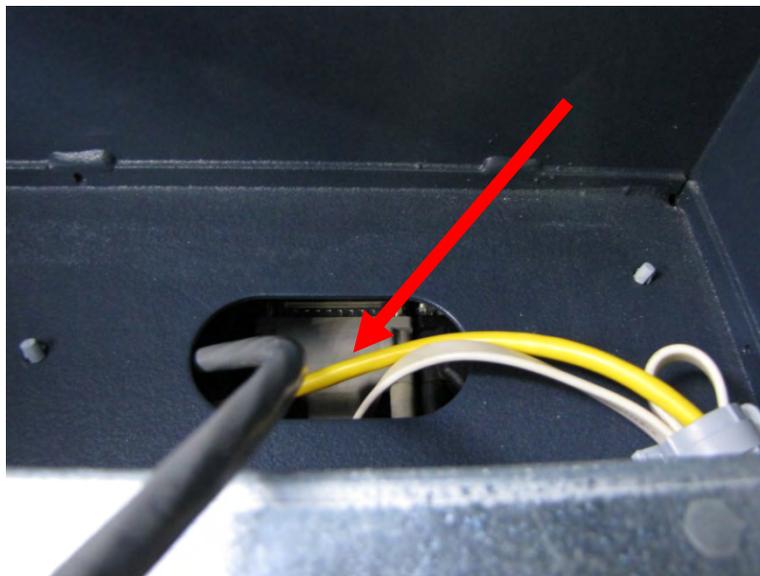
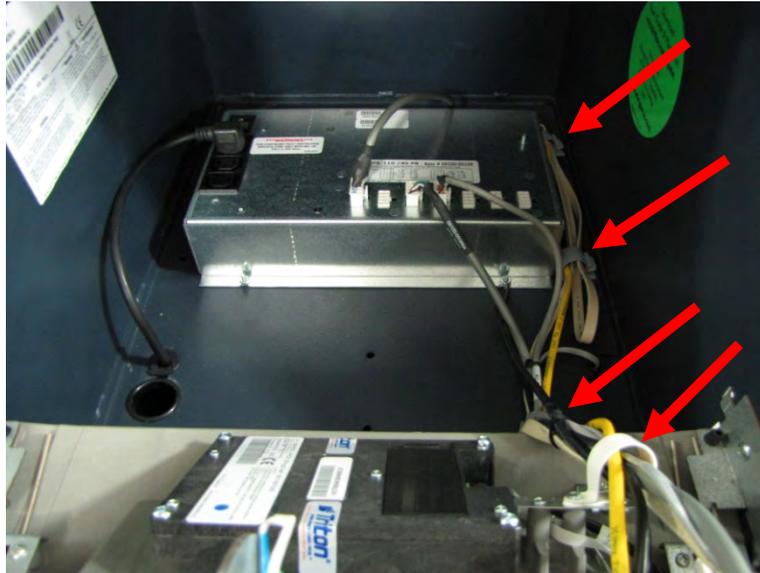
**Step 13:** TY Wrap the cables to the main board assembly with two TY Wraps. Cut off excess TY Wraps.



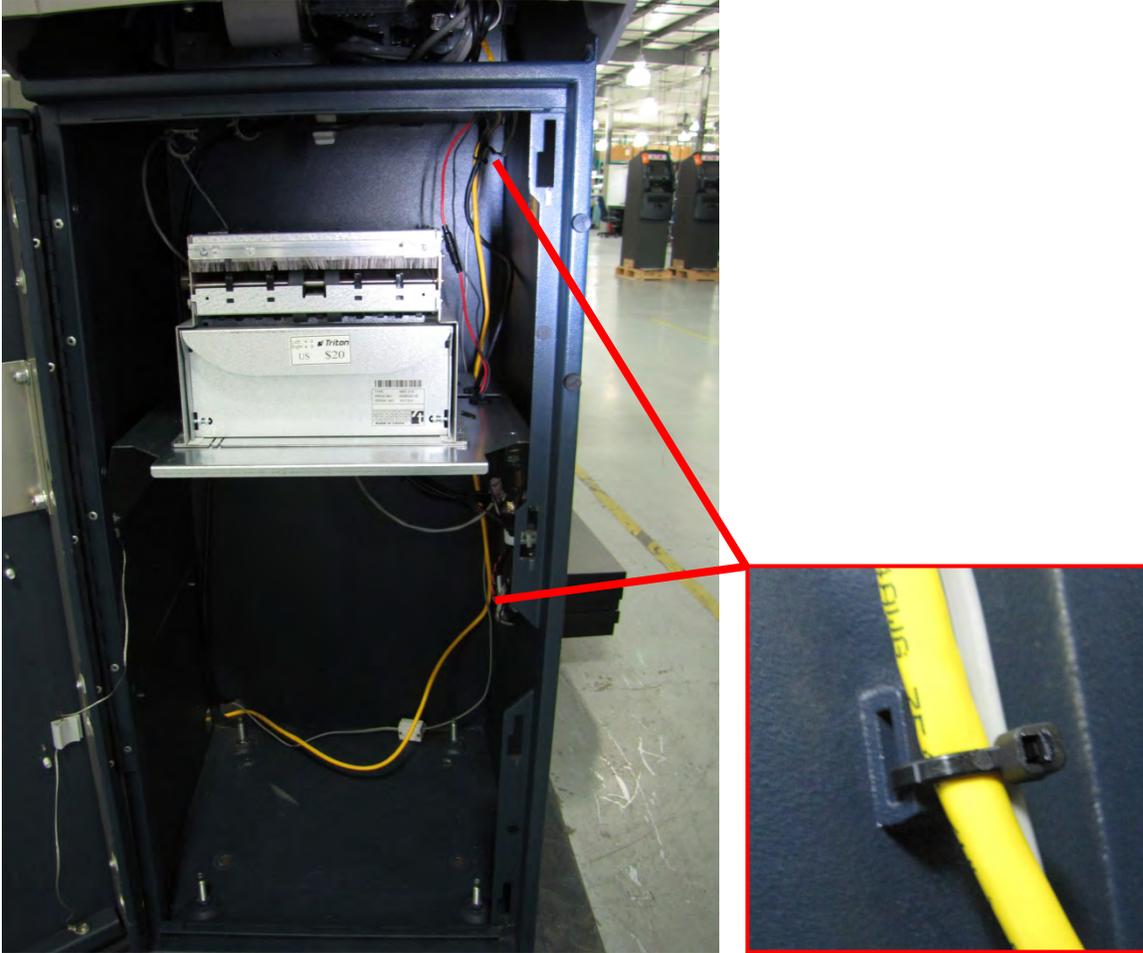
**Step 14: (Shallow cabinet)** Route the Ethernet cable through the cable clip and down through the middle opening and into the lower cabinet as shown below.



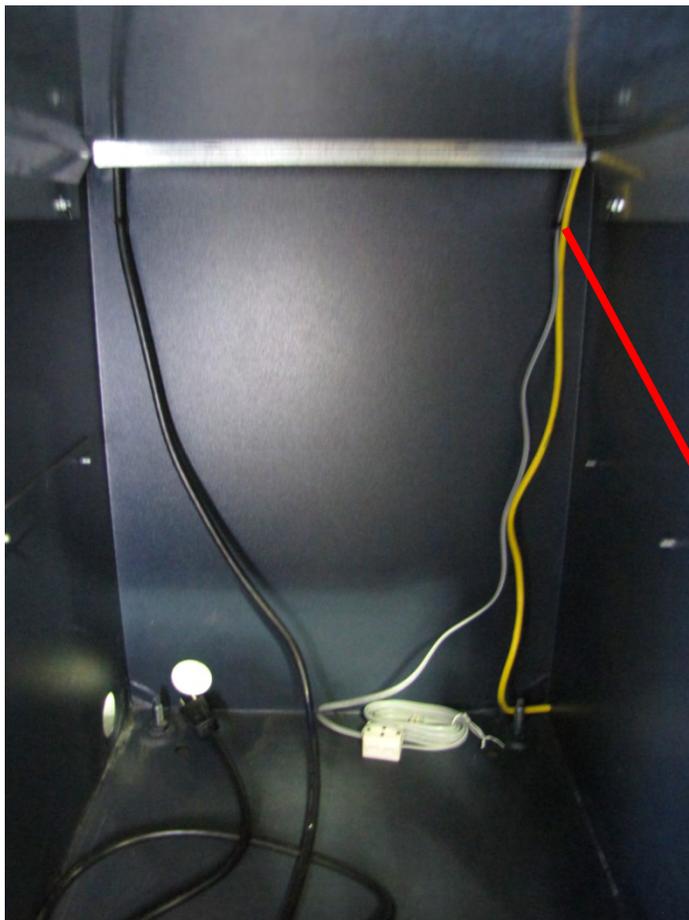
**Step 14: (Deep cabinet)** Route the Ethernet cable through the four cable clips, around the power supply and down through the right rear opening and into the lower cabinet as shown below.



**Step 15: (Shallow cabinet)** In the lower cabinet, cut the two TY Wraps holding the phone cable to the back cabinet wall. Route the Ethernet cable down the back wall with the phone cable. Ty Wrap the cables to the built-in TY Wrap anchors on the cabinet. Cut off excess TY Wraps. Close and lock the lower cabinet.



**Step 15: (Deep cabinet)** In the lower cabinet, cut the TY Wrap holding the phone cable to the back cabinet wall. Route the Ethernet cable through the cable clip in the rear upper right corner and down the back wall with the phone cable. Ty Wrap the cables to the built-in TY Wrap anchor on the cabinet. Cut off excess TY Wraps. Close and lock the lower cabinet.



**Step 16:** Turn the power supply switch to the ON (I) position. Enter your password to access Management Functions and configure the Ethernet settings.

See “Management Functions” for instructions on configuring the settings.

**Step 17:** After configuration is complete, check the lights on the iLAN box. The following should appear:

On the serial port side:

- The red LED will be on indicating the power is ON.
- The green LED will blink indicating SerialNET activity.



On the RJ45 connector side:

- The green LED will be on indicating the power is ON.
- The yellow LED will blink occasionally to indicate network traffic.

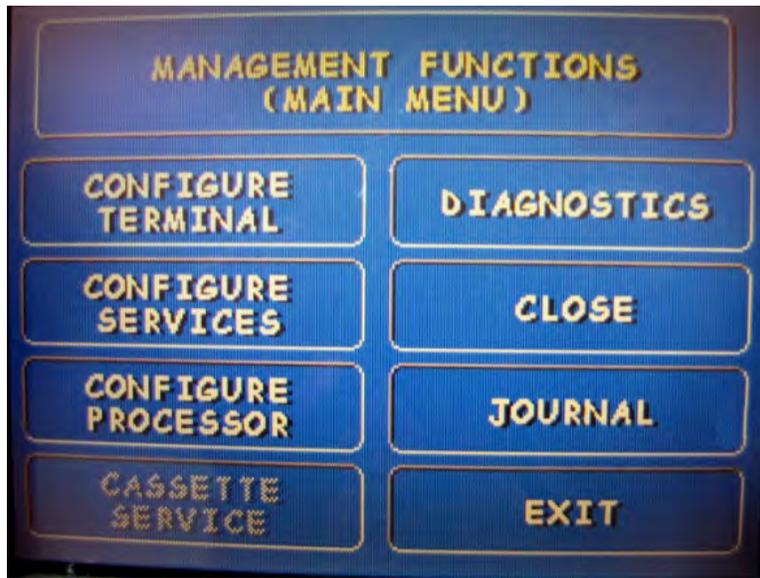


## Management Functions

**NOTE:** The Management Function Section only needs to be completed if the unit did NOT previously have an external Ethernet box installed or a full load file is being loaded.

**Step 1:** Power up the unit. Enter the password to log into Management Functions. Press Enter.

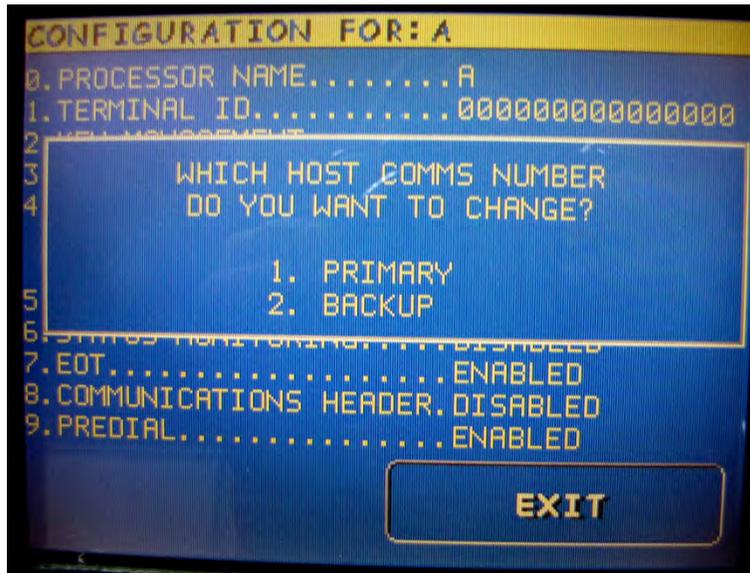
**Step 2:** Using the 1x4 keys on the side of the display, choose Configure Processor.



**Step 3:** Configure Processor page: Using the information from your processor (or the previously printed test receipt), enter #1 Terminal ID and #8 Communication Header if required. Ensure that #3 Communication Type states "Ethernet".



**Step 4:** Select #4 – Communication Numbers. Select #1 – Primary to change the primary number of the unit.



**Step 5:** The “Primary Host Phone Number” is provided by your host processor. The first part of the address consists of a sequence of four groups of numbers. Each group can be up to three digits long and each group is separated by a period (dot character) as in this example 123.456.789.0. The second part of the address is a Port Number, consisting of five digits or less and separated from the first part by a comma (,) character as in this example 123.456.789.0,1234.

1. Select “Change” to enter the “Primary Host Phone Number”.
2. Enter the first group of numbers in the IP Address using the main keypad keys.
3. Enter a dot character by pressing the “Blank” key then press the “0” key TWICE to select the dot. Press the RIGHT ARROW key to lock it in.
4. Repeat Steps 2 – 3 for the second and third group of numbers.
5. Enter the fourth group of numbers.
6. Enter the comma character by pressing the “Blank” key then the “0” key ONCE to select the comma. Press the RIGHT ARROW key to lock it in.
7. Enter the Port Number assigned by the host. Select EXIT to save the Primary Host Phone Number or CANCEL to discard the changes. Repeat the steps to set the Backup Address if necessary.



**Step 6:** Press EXIT to return to the Main Menu page.



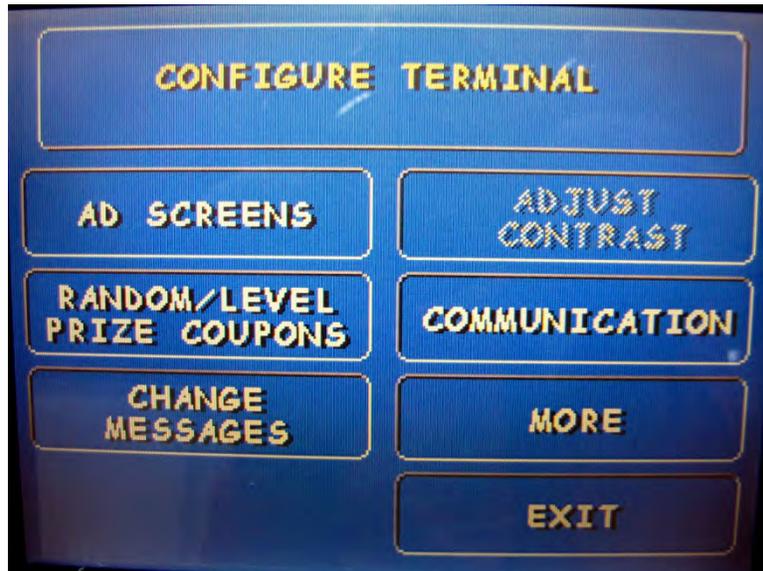
**Step 7:** Select "Configure Terminal".



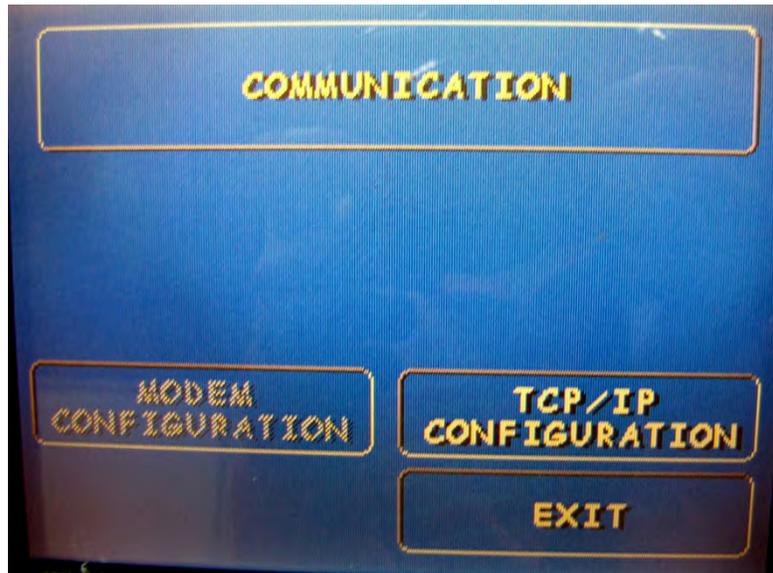
Step 8: Select "More".



Step 9: Select "Communication".



**Step 10:** Select TCP/IP Configuration.



**Step 11:** Select "Network Settings".



**Step 12:** Using the information from your processor and location (or the previously printed test receipt), the Terminal IP Address, Subnet Mask and Gateway Address must be entered. Select “Terminal IP Address”.



**Step 13:** Select “Change” to enter the “Terminal IP Address”. Using the keypad, enter the Terminal IP Address. (To enter a dot character, press the “Blank” key then press the “0” key TWICE to select the dot. Press the RIGHT ARROW key to lock it in.) Select “Exit” to save changes and return to the “Network Settings” page.



**Step 14:** Select "Subnet Mask".



**Step 15:** Select "Change" to enter the "Subnet Mask". Using the keypad, enter the Subnet Mask. (To enter a dot character, press the "Blank" key then press the "0" key TWICE to select the dot. Press the RIGHT ARROW key to lock it in.) Select "Exit" to save changes and return to the "Network Settings" page.



**Step 16:** Select “Gateway Address”.



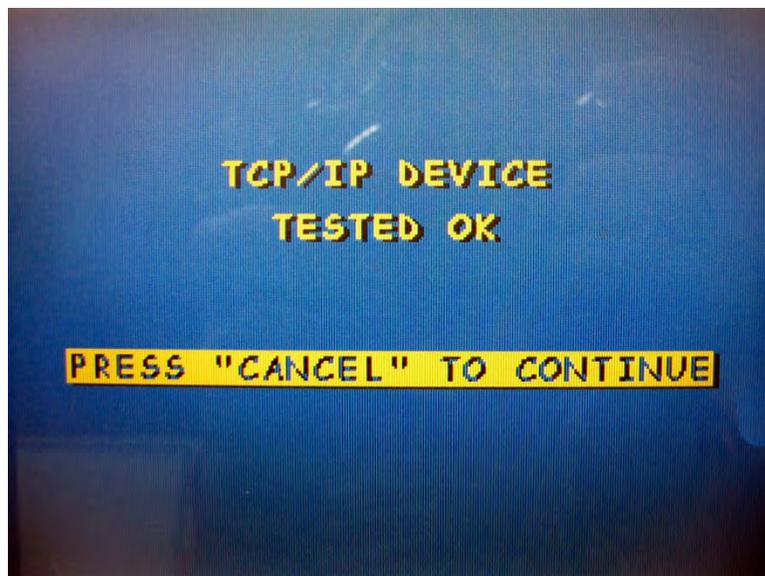
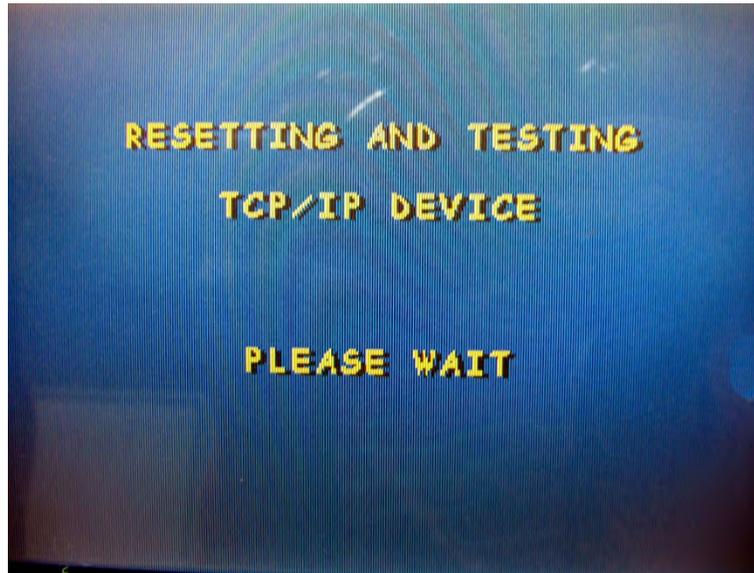
**Step 17:** Select “Change” to enter the “Gateway Address”. Using the keypad, enter the Gateway Address. (To enter a dot character, press the “Blank” key then press the “0” key TWICE to select the dot. Press the RIGHT ARROW key to lock it in.) Select “Exit” to save changes and return to the “Network Settings” page.



Step 18: Select "Test Ethernet".



**Step 19:** The unit will test the Ethernet connection. Once you receive the “Tested OK” screen, press “CANCEL” on the keypad to continue. If you did not get an OK, retest the unit.



**Step 20:** Open the control panel and restart the unit by flipping the power supply switch OFF (O) then back on (I).