XSCALE TRITON SERIAL MODEM
FIELD REPLACEMENT PROCEDURE

RL5xxx, FT5xxx & RT2xxx

TDN 07103-00351   JUNE 5, 2014

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Introduction

This guide covers the steps for replacing the existing phone modem with the Triton Serial Modem in XScale (X1) ATMs. **A software update file load is required.**

Scope

The following procedures apply to all Triton certified service personnel involved in the process of maintaining or converting Triton ATMs.

Document Updates

August 28, 2013   Original
June 5, 2014   Added Section 2 for FT5 & RT2

SECTION 1

RL5000

KIT 06200-00351

TOOLS REQUIRED	ESD wrist strap with grounding cord

KIT P/N: 06200-00351	FIELD INSTALL KIT, SERIAL MODEM, XSCALE MODEL RL51xx

DESCRIPTION	QUANTITY
Serial POTS Modem	1
Security Module Power Cable	1
Security Module Communication Cable	1
Double Sided Tape 1ö x 1ö x .062ö	4

After installing the software to enable the serial modem (xt20xtsm1.0.0.tlf), the modem settings in diagnostics will show the following:

Modem / Ethernet

Device ID: Triton OnBoard

Host:

  Baud Rate: 57600

  Byte Size: 8

  Parity: None

  Stop Bits: 1

  Modem Setup String: \N0&H6&G4

Triton Connect:

  Baud Rate: 57600

  Byte Size: 8

  Parity: None

  Stop Bits: 1

  Modem Setup String: \V2&H0

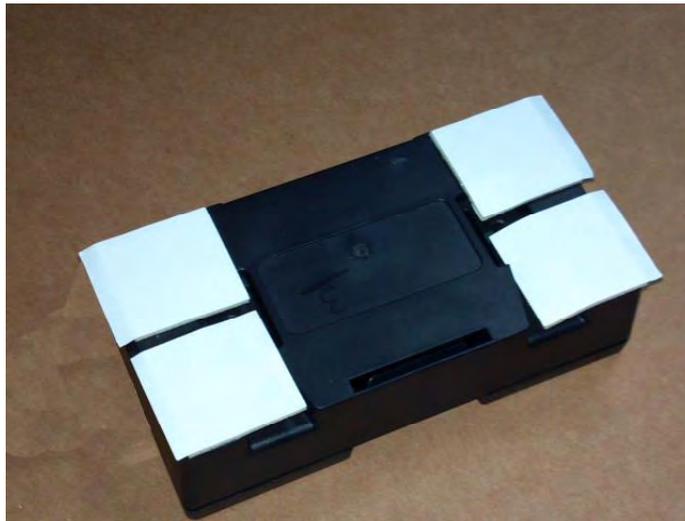# FOR UNITS WITH NO BRACKET, 03011-01606 OR 03011-01036 BRACKET

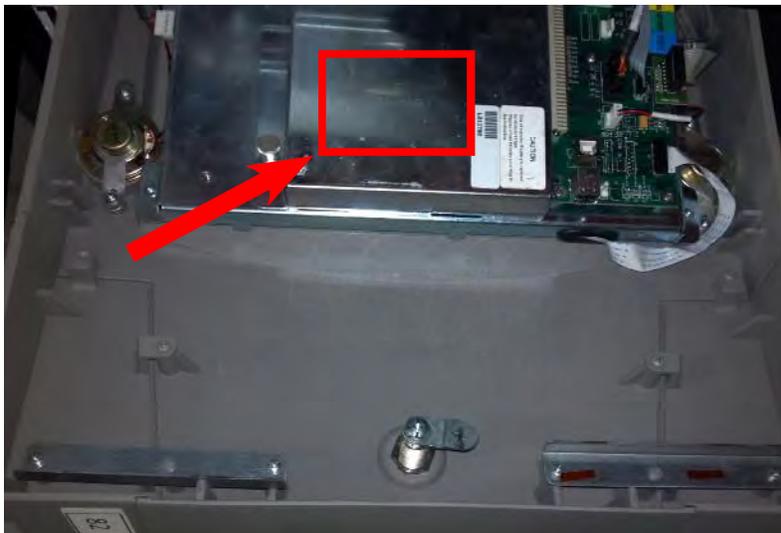The Modem is located in the control panel.

Tools:

    1 - ESD wrist strap with grounding cord.

To remove the modem assembly complete the following procedure:

1. Put the ESD wrist strap on and attach the cord to ground.

2. Perform a proper shutdown of the unit. Unlock and open the upper portion of the cabinet.

3. Push the AC power ON/OFF switch on the power supply to the OFF (0) position.

4. Remove the current modem from the unit. Remove all modem cables EXCEPT for the phone cable.

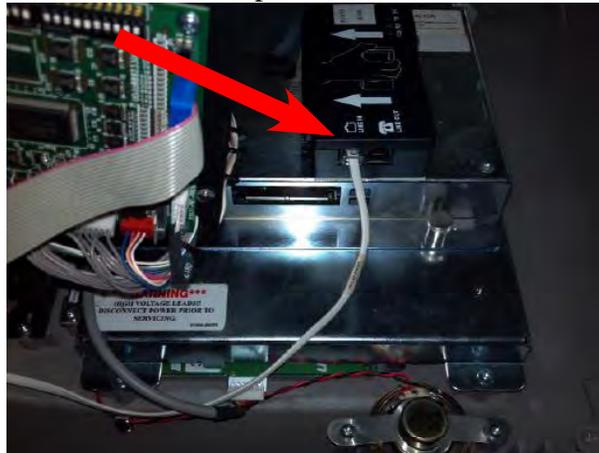5. Apply the four double sided tape squares to the back of the serial modem.

7. Remove the paper backing from the four double sided tape squares. With the Power and Serial Ports facing towards the docking board, stick the modem to the main board bracket.
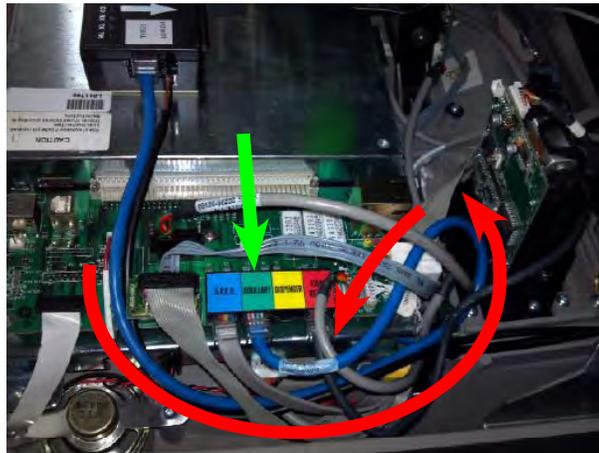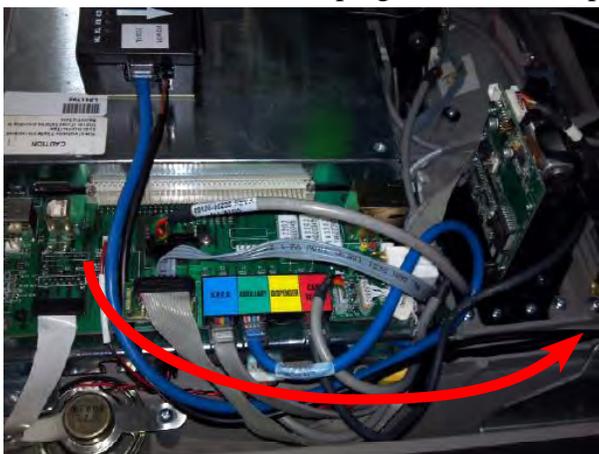
03011-01606 BRACKET OR NO BRACKET cont...

8. Plug the phone cable into the modem õLine Inö port.

9. Plug the modem power cable and the modem data cable into the modem. Route the data cable from the modem, under and around the other cables, and plug it into the õAuxiliaryö port on the docking board.

10. Route the power cable under all the other cables and plug it into the unit power supply.

11. Push the AC power ON/OFF switch on the power supply to the ON (I) position. Load the modem kit software to the unit. When complete, the unit will need to be restarted to recognize the new software/parts.
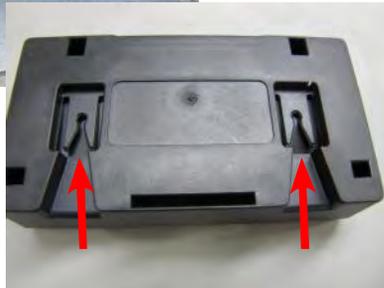
FOR UNITS WITH 03011-01810 BRACKET

The Modem is located in the control panel.
Tools:

    1 - ESD wrist strap with grounding cord.

To remove the modem assembly complete the following procedure:

1. Put the ESD wrist strap on and attach the cord to ground.

2. Perform a proper shutdown of the unit. Unlock and open the upper portion of the cabinet.

3. Push the AC power ON/OFF switch on the power supply to the OFF (0) position.

4. Remove the current modem from the unit. Remove all modem cables EXCEPT for the phone cable.

5. Install the Serial Modem by lining up the notches on the back of the modem with the posts on the modem bracket. Slide the modem onto the bracket posts until it clicks into place. Ensure the Power and Serial Ports are facing towards the docking board.
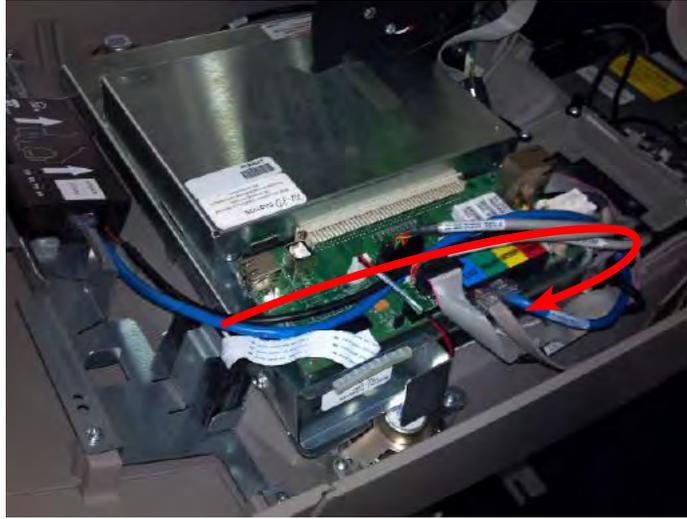

6. Plug the phone cable into the modem õLine Inö port.

Triton

03011-01810 BRACKET cont...

7. Plug the modem power cable and the modem data cable into the modem. Route the data cable from the modem, under the other cables, and plug it into the õAuxiliaryö port on the docking board.

8. Route the power cable under all the other cables and plug it into the unit power supply.

9. Push the AC power ON/OFF switch on the power supply to the ON (I) position. Load the modem kit software to the unit. When complete, the unit will need to be restarted to recognize the new software/parts.

SECTION 2

FT5000 & RT2000

KIT 06200-10009

TOOLS REQUIRED	ESD wrist strap with grounding cord #2 Phillips screwdriver #1 flathead screwdriver Side cutters

KIT P/N: 06200-10009	**FIELD INSTALL KIT, SERIAL MODEM, XSCALE MODEL RT2xxx & FT5xxx**

DESCRIPTION	QUANTITY
Xscale Main Board	1
Serial POTS Modem	1
Edgeport USB to Serial Adapter, Spacers (2) & USB Cable	1
USB Modem Mounting Bracket	1
Modem Power Cable	1
Power Connector Splitter	1
Adapter Jack	1
Modem Communication Cable	1
12ft Phone Cable	1
Velcro Round Dot - Hard Side	2
Velcro Round Dot - Soft Side	2
6 inch TY Wraps	2

After installing the software to enable the serial modem, the modem settings in diagnostics will show the following:

Modem / Ethernet

Device ID: Triton Modem

Host:

  Baud Rate: 57600

  Byte Size: 8

  Parity: None

  Stop Bits: 1

  Modem Setup String: \N0&H6&G4

Triton Connect:

  Baud Rate: 57600

  Byte Size: 8

  Parity: None

  Stop Bits: 1

  Modem Setup String: \V2&H0

NOTE:
Before proceeding, swap out the unit's main board with the supplied main board loaded with the updated software.

To Remove the Modem Assembly:

1. Put the ESD wrist strap on and attach the cord to ground.

2. Perform a proper shut down of the unit.

3. Perform a proper shutdown of the unit. Unlock and open the upper portion of the cabinet.

4. Push the AC power ON/OFF switch on the power supply to the OFF (0) position.

5. Remove the current modem from the unit. Remove all modem cables EXCEPT for the phone cable.
   NOTE: if the unit previously had the Zoom Modem installed, discard the phone cable. It is
   not compatible with the new kit. Use the phone cable provided. See picture below for reference.

Zoom Modem Phone Cable - Discard

6. If the unit has a Multitech modem bracket installed on the top of the display bracket, remove the bracket
   and discard. Set the screw aside for reinstallation. If the unit already has the correct modem bracket
   installed, do not remove.

To Install the Serial Modem Assembly:

1. Put the ESD wrist strap on and attach the cord to the ground.

2. Perform a proper shut down of the unit.

3. Unlock and open the upper portion of the cabinet.

4. Push the AC power ON/OFF switch on the power supply to the OFF (0) position.

5. Remove the screw in the middle at the top of the display bracket. (This screw may already be removed if the unit previously had a Multitech modem bracket installed). Install the USB Modem Mounting Bracket and secure with the screw.

6. Obtain the USB to Serial Adapter, the Adapter Jack and the two spacers. Install the two spacers onto the USB to Serial Adapter thumbscrews. Connect the Adapter Jack to the USB to Serial Adapter. Screw the Adapter Jack thumbscrews into the spacers to secure the two adapters together.

7. Peel the paper backing off the two soft dots of Velcro. Adhere them to the USB to Serial Adapter as shown. Stick the two hard dots of Velcro to the soft dots. Once stuck together, remove the paper backing off the hard dots.

8. Adhere the Modem Assembly to the main board cover with the USB port facing down as shown.

9. Obtain the Serial Modem. Notice the two slots in the back of the modem.

10. Line the two posts on the bracket up with the two slots on the back of the modem. Slide the modem in towards the bracket until it snaps into place.

11. Plug the Phone Cable into the "Line In" port on the side of the modem. If the unit does not have a previously installed phone cable, use the Phone Cable supplied in the kit.
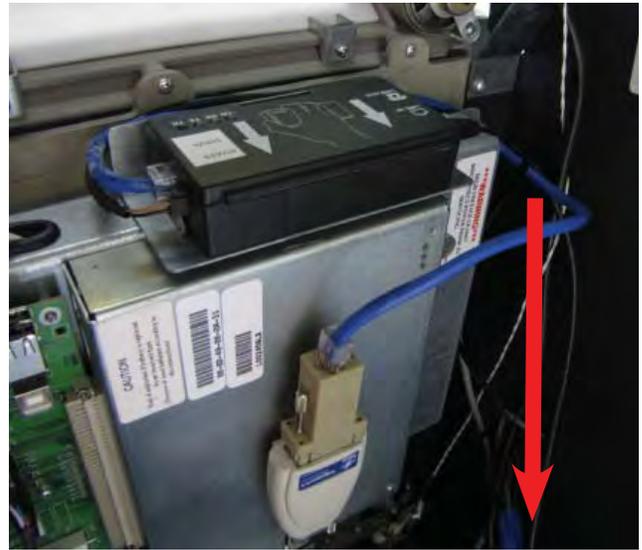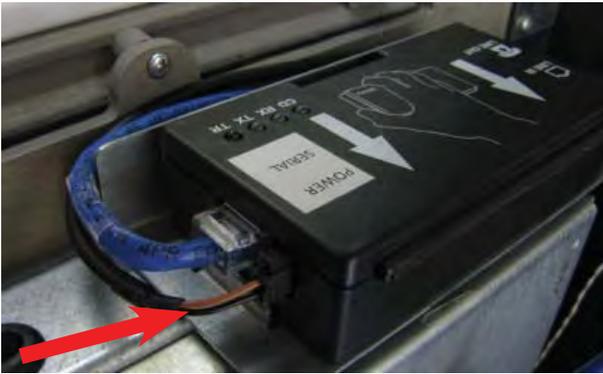

12. Plug the Modem Communication Cable into the "Serial" port on the side of the modem. Route the Modem Communication Cable around the back of the modem and plug into the Adapter Jack as shown.
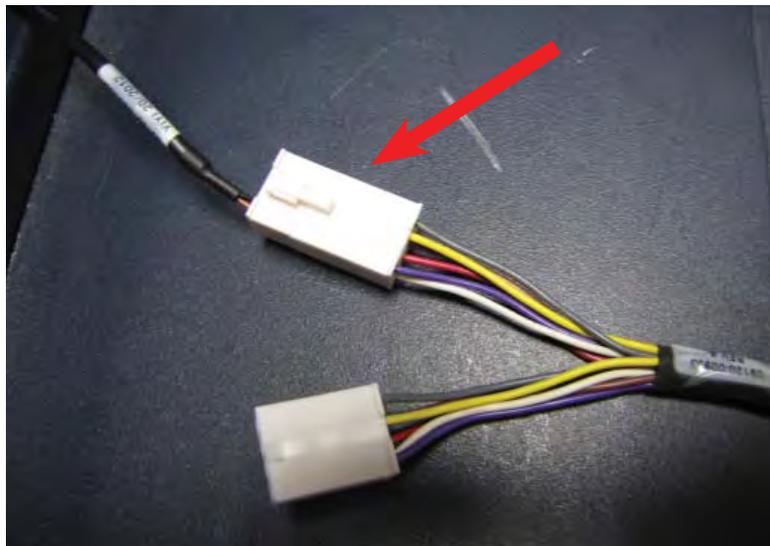
13. Plug the Modem Power Cable into the "Power" port on the side of the modem. Route the Modem Power Cable around the back of the modem and down.

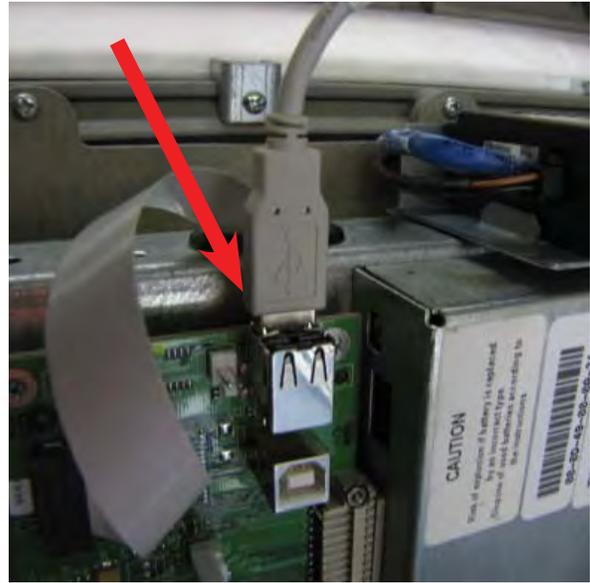14. Plug the Modem Power Cable into the Power Connector Splitter Cable as shown below.

15. Plug the Power Connector Splitter Cable into the power supply. If there are no open ports, unplug a cable, plug it into the second jack on the power splitter cable and plug the splitter into the power supply.

16. Plug the USB Cable into the USB to Serial Adapter. Plug the other end of the USB Cable into a USB port on the docking board.
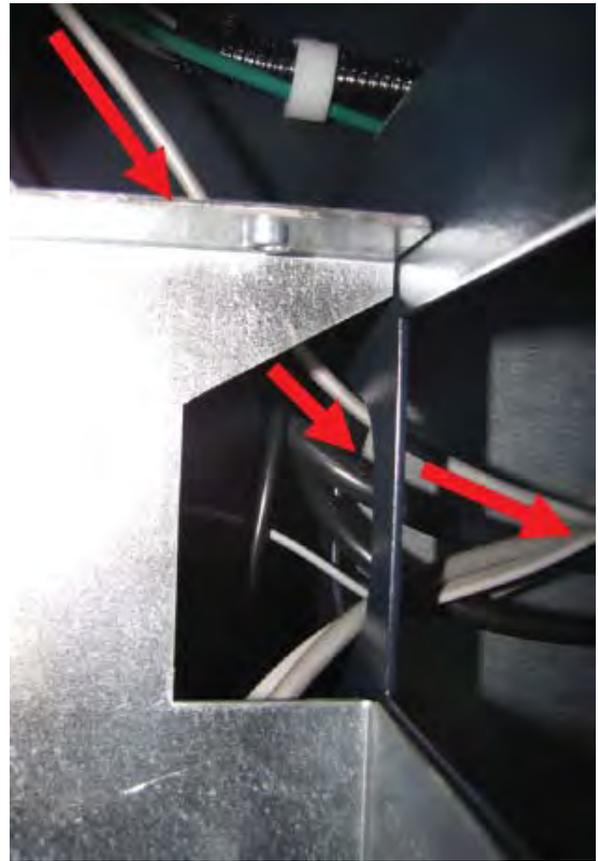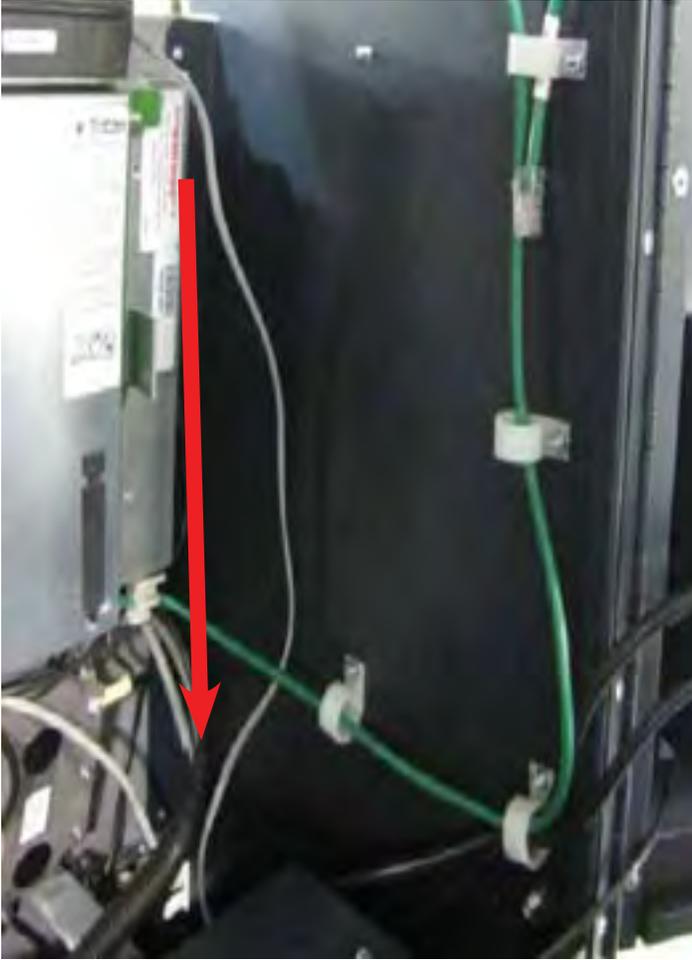

17. Fold the excess USB cable on itself to keep it from interferring with the unit's moving parts. TY Wrap the cable in two places to secure it in place.

To Route the Phone Cable:

1. Route the phone cable down along the cabinet wall and through the large hole as shown.

2. Continue routing the phone cable through the smaller opening into the lower cabinet. Secure the cable in the cable clips along the back wall of the cabinet and then out of the unit.