



**SPEECH JACK INSTALLATION GUIDE
PCI KEYPAD UPGRADE COMPLETED
(MODEL 96XX)**

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Updates:

April 4, 2011 original
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*** NOTE ***

This instruction is to be used for the installation of the speech jack on 96xx units that have had the PCI Keypad (oyster) kit upgrade completed. There should be no software nor circuit board replacement requirement.



**** Important ****

The upgrade procedures may require removal and replacement of electrostatic sensitive devices such as integrated circuits, boards, and assemblies. ESD wrist straps should be worn and connected to a common ground point to prevent hazardous electrostatic discharge to sensitive components. Failure to follow proper handling or use of these items may result in damage from ESD.

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INTRODUCTION

This guide covers the steps for installing a speech (headphone jack) kit for Model 96XX ATMs. This procedure includes a list of tools and hardware required for the upgrade as well as the steps involved.

SCOPE

This procedure applies to all service personnel involved in the process of maintaining or converting Triton ATMs.

REQUIRED PARTS AND TOOLS

TOOLS REQUIRED		
Drill and drill bits (1/8" and 7/16") #2 Phillips Screwdriver (Magnetic) Tape Measure or Ruler 7/16") Nut Driver Marker (Pencil)		
96XX SPEECH INSTALLATION KIT (P/N 06200-08205)		
PARTS SUPPLIED		
PART NUMBER	DESCRIPTION	QUANTITY
09120-00410	Headphone Cable	1
03011-01055	Speech Jack Retainer Clip	1
02072-00002	Clip, Extruded Wire Harness	1
09120-07015	Ground Wire Adapter	1
03072-00009	Clip, Panduit Adhesive	2
01030-00010	Ferrite	1
07000-38801	Label, Braille	1

* IMPORTANT *

The Speech upgrade for the 96XX ATM requires:

- ➔ **SD04.01 EPROM** or higher installed in the **Memory Module (SS-2)**.
- ➔ The quad port multifunction board from the PCI upgrade installation
- * 1 Mbyte or greater **Memory Expansion** module is optional.
- * This item is **NOT** included in the kit. You may already have this installed.

Installation

Follow these steps to install the speech installation kit for the Model 96XX ATM:

*** Important ***

When routing the headphone cables in the control panel, it is critical that cables are isolated from the main ribbon cable that runs from the card cage to the keypad. **DO NOT ROUTE/SECURE HEADPHONE CABLE WITH THIS RIBBON CABLE!**

1. Unlock and open the control panel. Verify that the power switch is in the OFF (0) position. Close the control panel.
2. Using a tape measure/ruler, mark a point 1- 1/2" from the bottom left edge shown in Figure 1. From that mark, measure 1-1/2" down and place another mark (Figure 2). This will be the drill point. Erase the previous mark. Figure 3 shows the drill point location.



Figure 1. Measure 1-1/2" across.



Figure 2. Measure 1-1/2" down.

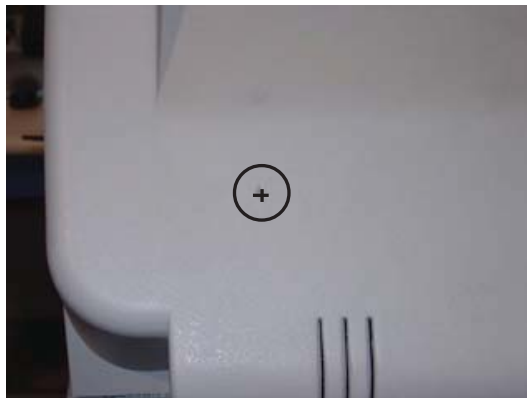


Figure 3. Drill point location.

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3. Drill a pilot hole using the 1/8" drill bit and finish using the 7/16" bit (Figures 4 and 5).



Figure 4. Drill pilot hole.



Figure 5. Finish with 7/16" bit.

4. Open the control panel and feed the headphone cable (audio jack side first, Figure 6) through the hole (exterior) until the headphone plug is flush in the hole (Figure 7).



Figure 6. Feed cable in hole.



Figure 7. Headphone plug flush.

5. (Inside control panel) Secure the headphone plug with the retainer clip shown in Figure 8. Insert the retainer clip approximately half way.



Figure 8. Insert retainer clip to secure.

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- Using a 7/16" nutdriver, remove the bolt shown in Figure 9. Install the ground wire adapter and secure with bolt previously removed (Figure 10). Connect the ground wire from the headphone cable to this adapter.



Figure 9. Remove bolt.



Figure 10. Install ground wire adapter.

- Install an extruded wire harness clip to the speaker screw shown in Figure 11. Route the cable under and through the clip so cable has a "bow". Next, install the adhesive-backed clip between the 2 center-pin torx screws (figure 12). Figure 13 shows the headphone cable routing.



Figure 11. Install clip and route cable.



Figure 12. Install flat clip and secure cable.

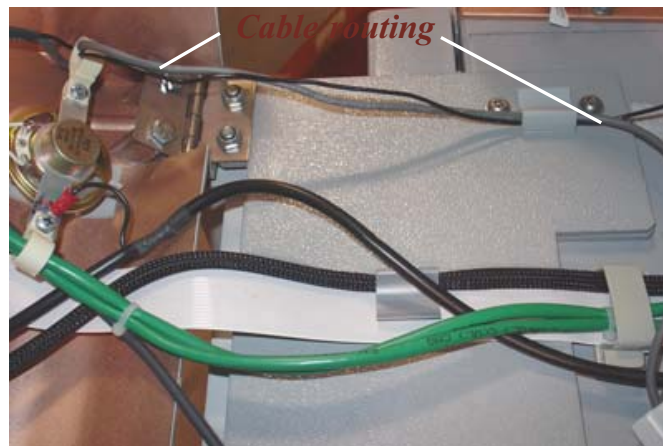


Figure 13. Cable routing.

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8. Pull the **Memory** module from the card cage (SS-2) and verify the EPROM version is **04.01** or higher (Figure 14). If not, install the required upgraded EPROM (included in kit) following ESD precautions and correct orientation of the chip. Reinstall the memory module after completion.

9. Omitted



*Figure 14. Memory module
EPROM location.*

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10. Open the ferrite included in kit. Wrap the headphone cable in the ferrite as shown in Figure 17. Position the ferrite as close as possible to the headphone jack and snap ferrite together. Plug the headphone jack into the jack provided on the Tri-Port/Speech module shown in Figure 18.



Figure 17. Install cable in ferrite.



Figure 18. Connect cable to Multi function board.

11. Secure any excess cable to the cable clip shown in Figure 19.
12. Affix the Braille label approximately 1/4" to the right of the headphone plug as shown in Figure 20. Ensure correct orientation of label.



Figure 19. Secure excess cable.



Figure 20. Affix Braille label.