

Introduction

Purpose

This manual provides instructions for the installation of the M06975K00X kit in Encore® Series, Encore® S Series™, and Automated Attendant units. The adhesive sheet in this kit will increase the bond between the new keypad and the door surface. A separately ordered customer-specific graphic overlay for the new keypad is necessary when installing this kit.

Required Reading

Before installing the kit, the installer must read, understand, and follow:

- This manual
- NFPA 30A, The Automotive and Marine Service Station Code
- NFPA 70, The National Electric Code
- Applicable federal, state and local codes and regulations

Failure to do so may adversely affect the safe use and operation of the equipment.

Note: This kit must be installed by a Gilbarco Authorized Service Contractor (ASC) to ensure warranty.

Related Documents

The following documents are related to the installation of the M06975K00X kit.

Document Number	Title	GOLD Library
MDE-2620	Graphic Panel Application for The Advantage® Series, Encore, and Eclipse®	Encore and Eclipse
MDE-3637	CRIND® Diagnostics (Z180 Logic Board) Quick Reference	<ul style="list-style-type: none">• CRIND and TRIND®• Service Manual
MDE-3804	Encore and Eclipse Start-up/Service Manual	<ul style="list-style-type: none">• Encore and Eclipse• Service Manual
MSDS	Material and Safety Data Sheet	N/A

Required Tools

The following tools are needed to install the M06975K00X kit.

- screwdriver, flat blade
- CRIND Diagnostics Card, Q12534-170
- isopropyl alcohol (those with a higher percentage of alcohol work best)
- lint-free rags
- masking material (paper or other protective material)
- masking tape

- Permatex® Decal Remover (product number 765-1085)
Note: Available at NAPA® Auto Parts stores under trade name Decal and Paint Stripper.
- gas pliers or locking-grip pliers
- putty knife (2-inch blade)
- soft squeegee

Parts Lists

M06975K00X Kits

The M06975K001 kit consists of the following parts.

Part	Part Number	Quantity	See
Keypad, Customer Input (alphanumeric)	M00141B003	1	Figure 1
Adhesive, Sheet, Double-sided	M06966B001	1	Figure 3

The M06975K002 kit consists of the following parts.

Part	Part Number	Quantity	See
Keypad, Customer Input (ADA CRIND)	M00141B004	1	Figure 2
Adhesive, Sheet, Double-sided	M06966B001	1	Figure 3

Figure 1: M00141B003, Alphanumeric 40-Key Keypad – Front View

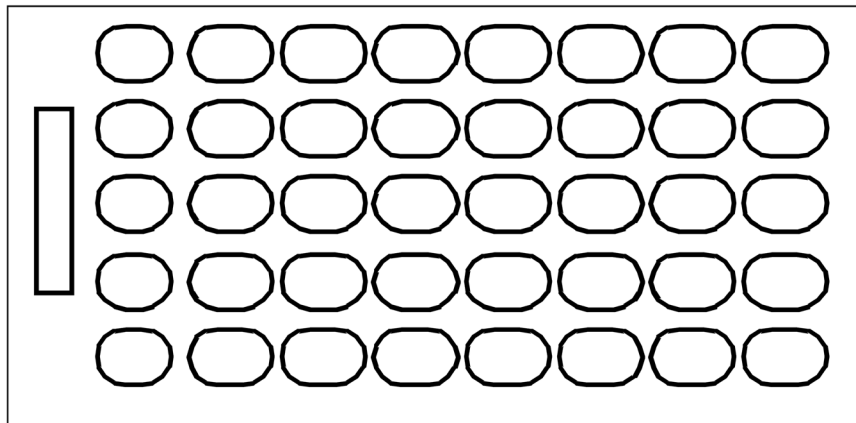


Figure 2: M00141B004, ADA CRIND 24-Key Keypad – Front View

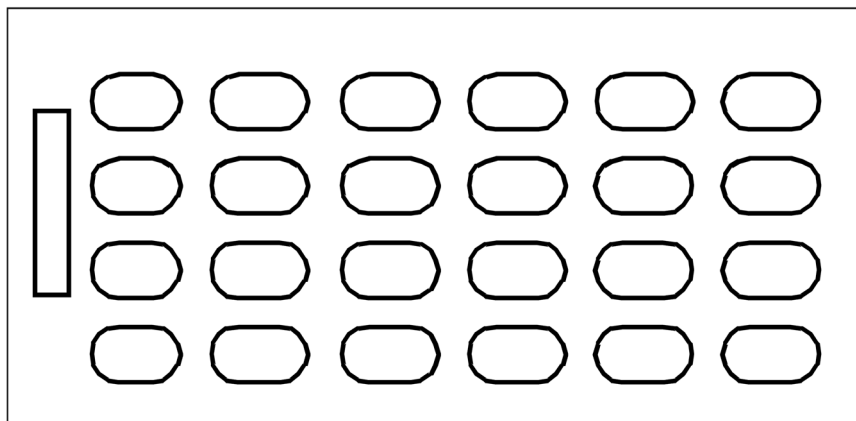
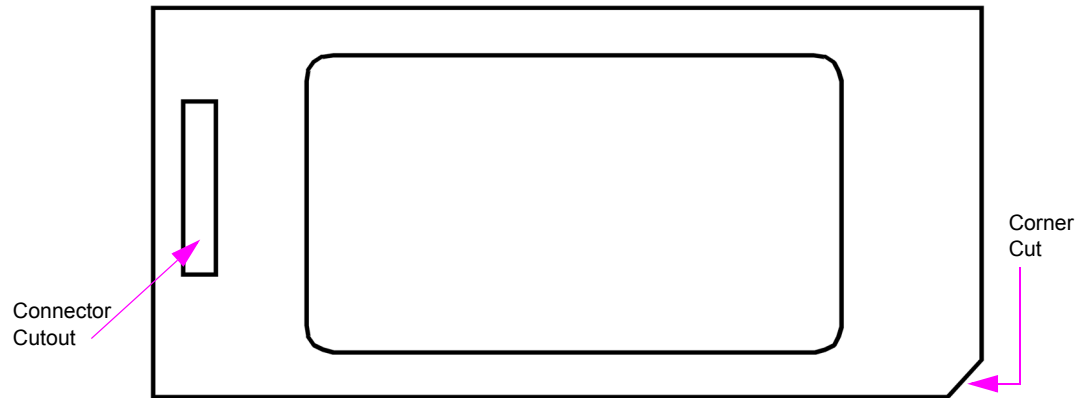


Figure 3: M06966B001 Adhesive Sheet – Front View



Keypad Overlay

The customer-specific keypad graphic overlay must be purchased separately.

Important Safety Information

This section introduces the hazards and safety precautions associated with installing, inspecting, maintaining or servicing this product. Before performing any task on this product, read this safety information and the applicable sections in this manual, where additional hazards and safety precautions for your task will be found. Fire, explosion, electrical shock or pressure release could occur and cause death or serious injury if these safe service procedures are not followed.




Preliminary Precautions

You are working in a potentially dangerous environment of flammable fuels, vapors, and high voltage or pressures. Only trained or authorized individuals knowledgeable in the related procedures should install, inspect, maintain or service this equipment.



Emergency Total Electrical Shut-Off

The first and most important information you must know is how to stop all fuel flow to the pump and island. Locate the switch or circuit breakers that shut-off all power to all fueling equipment, dispensing devices, and submerged turbine pumps (STPs).

 WARNING	
	The EMERGENCY STOP, ALL STOP, and PUMP STOP buttons at the cashier's station WILL NOT shut off electrical power to the pump/dispenser.
	This means that even if you activate these stops, fuel may continue to flow uncontrolled.
You must use the TOTAL ELECTRICAL SHUT-OFF in the case of an emergency and not only these cashier station "stops."	

Total Electrical Shut-Off Before Access

Any procedure requiring access to electrical components or the electronics of the dispenser requires total electrical shut-off of that unit. Know the function and location of this switch or circuit breaker before inspecting, installing, maintaining, or servicing Gilbarco equipment.

Evacuation, Barricading and Shut-Off

Any procedures requiring accessing the pump/dispenser or STPs requires the following three actions:



- An evacuation of all unauthorized persons and vehicles using safety tape, cones or barricades to the effected units
- A total electrical shut-off of that unit

Read the Manual

Read, understand and follow this manual and any other labels or related materials supplied with this equipment. If you do not understand a procedure, call a Gilbarco Authorized Service Contractor or call the Gilbarco Service Center at 1-800-800-7498. It is imperative to your safety and the safety of others to understand the procedures before beginning work.

Follow the Regulations

There is applicable information in NFPA 30A; *Automotive and Marine Service Code*, NFPA 70; *National Electrical Code (NEC)*, OSHA regulations and federal, state, and local codes which must be followed. Failure to install, inspect, maintain or service this equipment in accordance with these codes, regulations and standards may lead to legal citations with penalties or affect the safe use and operation of the equipment.

Replacement Parts

Use only genuine Gilbarco replacement parts and retrofit kits on your pump/dispenser. Using parts other than genuine Gilbarco replacement parts could create a safety hazard and violate local regulations.

Safety Symbols and Warning Words

This section provides important information about warning symbols and boxes.

Alert Symbol



This safety alert symbol is used in this manual and on warning labels to alert you to a precaution which must be followed to prevent potential personal safety hazards. Obey safety directives that follow this symbol to avoid possible injury or death.

Signal Words

These signal words used in this manual and on warning labels tell you the seriousness of particular safety hazards. The precautions that follow must be followed to prevent death, injury or damage to the equipment



DANGER - This signal word is used to alert you to a hazard to unsafe practice which will result in death or serious injury



WARNING - This alerts you to a hazard or unsafe practice that could result in death or serious injury.



CAUTION with Alert symbol - This signal word designates a hazard or unsafe practice which may result in minor injury.

CAUTION without Alert symbol - When used by itself, CAUTION designates a hazard or unsafe practice which may result in property or equipment damage.

Working With Fuels and Electrical Energy

Prevent Explosions and Fires

Fuels and their vapors will become explosive if ignited. Spilled or leaking fuels cause vapors. Even filling customer tanks will cause explosive vapors in the vicinity of dispenser or island.



No Open Flames Open flames from matches, lighters, welding torches or other sources can ignite fuels and their vapors.



No Sparks - No Smoking Sparks from starting vehicles, starting or using power tools, burning cigarettes, cigars or pipes can also ignite fuels and their vapors. Static electricity, including an electrostatic charge on your body, can cause a spark sufficient to ignite fuels and their vapors. After getting out of a vehicle, touch the metal of your vehicle to discharge any electrostatic charge before you approach the dispenser island.

Working Alone

It is highly recommended that someone who is capable of rendering first aid be present during servicing. Be familiar with Cardiopulmonary Resuscitation (CPR) methods if you are working with or around high voltages. This information is available from the American Red Cross. Always advise the station personnel about where you will be working, and caution them not to activate power while you are working on the equipment. Use the OSHA tag out and lock out procedures. If you are not familiar with this requirement, refer to information in the service manual and OSHA documentation.

Working With Electricity Safely

Be sure to use safe and established practices in working with electrical devices. Poorly wired devices may cause a fire, explosion or electrical shock. Be sure grounding connections are properly made. Make sure that sealing devices and compounds are in place. Be sure not to pinch wires when replacing covers. Follow OSHA Lock-Out and Tag-Out requirements. Station employees and service contractors need to understand and comply with this program completely to ensure safety while the equipment is down.

Hazardous Materials

Some materials present inside electronic enclosures may present a health hazard if not handled correctly. Be sure to clean hands after handling equipment. Do not place any equipment in mouth.

WARNING

This area contains a chemical known to the State of California to cause cancer.

WARNING

This area contains a chemical known to the State of California to cause birth defects or other reproductive harm.


IMPORTANT: Oxygen may be needed at scene if gasoline has been ingested or inhaled. Seek medical advice immediately.

Emergency First Aid

Informing Emergency Personnel


Compile the following information for emergency personnel:
 Location of accident (for example, address, front/back of building, and so on.)
 Nature of accident (for example, possible heart attack, run over by car, burns, and so on.)
 Age of victim (for example, baby, teenager, middle-age, elderly.)
 Whether or not victim has received first aid (for example, stopped bleeding by pressure, and so on.)
 Whether or not a victim has vomited (for example, if swallowed or inhaled something, and so on.)

WARNING




Gasoline ingested may cause unconsciousness and burns to internal organs.
 Do not induce vomiting.
 Keep airway open.
 Oxygen may be needed at scene.
 Seek medical advice immediately.

WARNING




Gasoline inhaled may cause unconsciousness and burns to lips, mouth and lungs.
 Keep airway open.
 Seek medical advice immediately.

WARNING



Gasoline spilled in eyes may cause burns to eye tissue.
 Irrigate eyes with water for approximately 15 minutes.
 Seek medical advice immediately

WARNING



Gasoline spilled on skin may cause burns.
 Wash area thoroughly with clear/water.
 Seek medical advice immediately.

IMPORTANT: Oxygen may be needed at scene if gasoline has been ingested or inhaled. Seek medical advice immediately.

Lockout/Tagout

Lockout/Tagout covers servicing and maintenance of machines and equipment in which the unexpected energization or start up of the machine(s) or equipment or release of stored energy could cause injury to employees or personnel. Lockout/Tagout applies to all mechanical, hydraulic, chemical or other energy, but does not cover electrical hazards. Reference Subpart S of 29 CFR Part 1910 - Electrical Hazards, 29 CFR Part 1910.333 contains specific Lockout/Tagout provision for electrical hazards.

M06975K00X Kit Installation

Initial Preparation

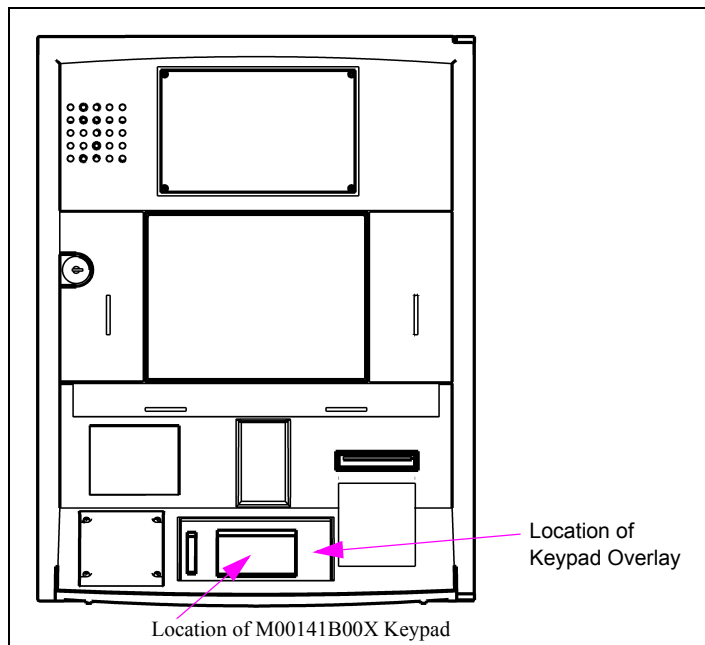
- 1 Read all instructions before beginning installation and observe all safety precautions during installation.
- 2 Remove power from unit.
- 3 Perform the OSHA Lock-Out and Tag-Out Requirements for each unit at which the kit is to be installed.
Refer to MDE-3804 Encore and Eclipse Start-up/Service Manual for details.

Preparing Customer Information Module Door for Kit Installation

Note: Steps 1 through 3 and 7 through 12 in this section are covered in more detail in MDE-2620 Graphic Panel Application for The Advantage Series, Encore, and Eclipse.

- 1 At the front of the Customer Information Module (CIM) door, insert the putty knife edge under a corner of the existing keypad overlay (Figure 4).

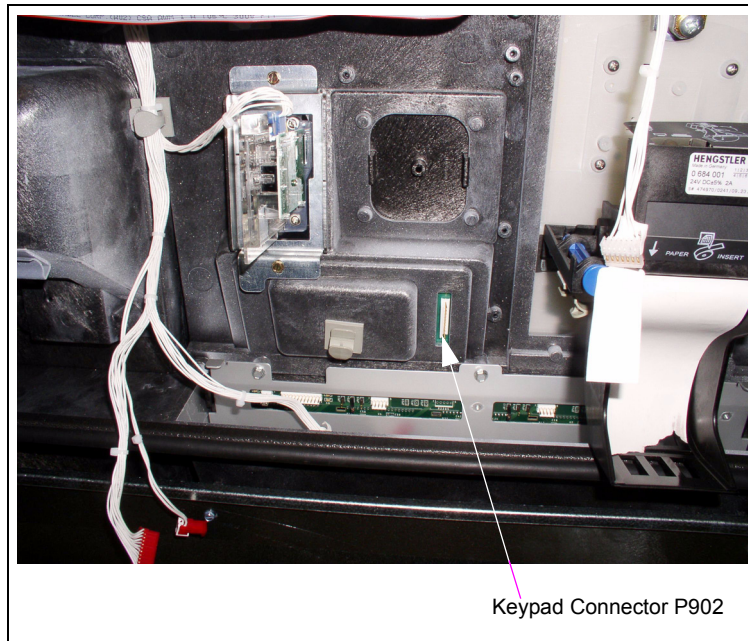
Figure 4: Example of CIM Door – Front View





- 2 Pry the corner of the keypad overlay away from the unit being **very careful** not to damage the surface underneath the panel.
- 3 Use the pliers or vice grips to grasp the corner of the graphic panel and pull to start peeling it away from the unit. Then remove the keypad overlay by hand.

- 4 Unlock and open the CIM door.
- 5 At the back of the CIM door, carefully disconnect the cable connector from the keypad connector P902 (Figure 5).

Figure 5: Example of CIM Door – Rear View



- 6 At the back of the CIM door, push on the keypad connector P902 to dislodge the keypad from the front of the CIM door. A tool, such as a screwdriver may be used if necessary being careful not to damage the door. (The keypad is not normally salvageable.)

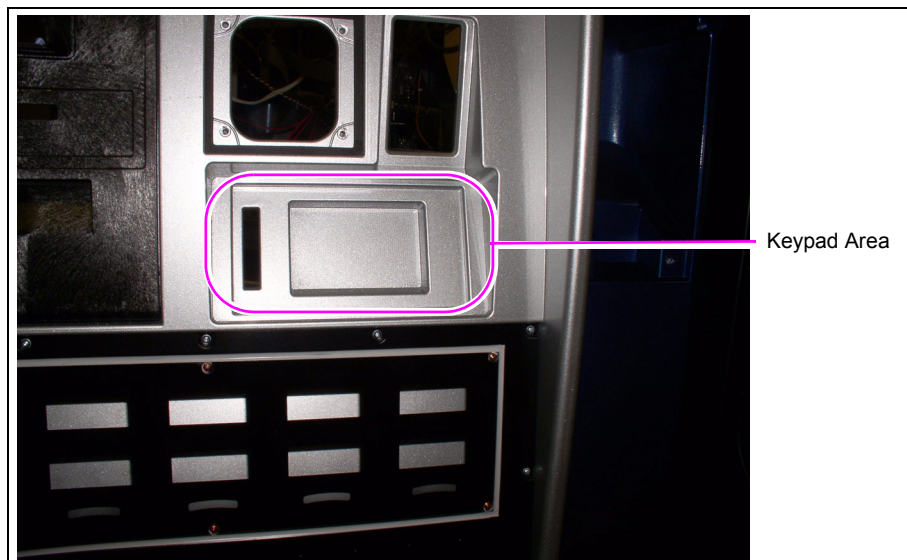
 WARNING	
	Read MSDS highlights and all warning and instructions on decal and paint stripper can before using decal and paint stripper.
	Not following instructions on can could result in severe personal injury or death.
	Gilbarco requires you to read MSDS Highlights and to follow instructions on decal and paint stripper can.

Read all of the MSDS. Note sections on Personal Protection and Unusual Fire and Explosion Hazards. Permatex Decal Remover is a decal and paint stripper that is highly aggressive and may fog display windows and graphics panels. Mask off area around where work is to be performed so that overspray will not land on display windows and graphics panels.

- 7 Once the keypad is removed, at the front of the CIM door, use masking tape and a protective material to mask around the area where work will be performed.

- 8 Following the instructions on the can, spray the Permatex Decal and Paint Stripper onto the adhesive residue left by the keypad overlay when it was removed.
- 9 Wait five (5) minutes (or the length of time recommended on the Permatex container) for adhesive residue to soften.
- 10 Using a 2-inch putty knife, being **very careful** not to damage the surface, scrape away all of the softened adhesive residue.
- 11 Soak the lint-free cloth with isopropyl alcohol and clean surface where new keypad overlay will be applied. Continue the process until surface is completely clean of adhesive residue and other foreign matter. Typically, any remaining bumpy adhesive residue or other foreign matter will show through the replacement keypad overlay.
Note: Decal and paint stripper is neutralized with isopropyl alcohol. If decal and paint stripper is not neutralized, it may attack adhesive backing on the new keypad overlay.
- 12 Allow the cleaned area to dry completely before applying new keypad overlay. Once dry, the keypad area on the front of the CIM door ([Figure 6](#)) is ready to receive the M06966B001 adhesive sheet.

Figure 6: Keypad Area Ready for Installation



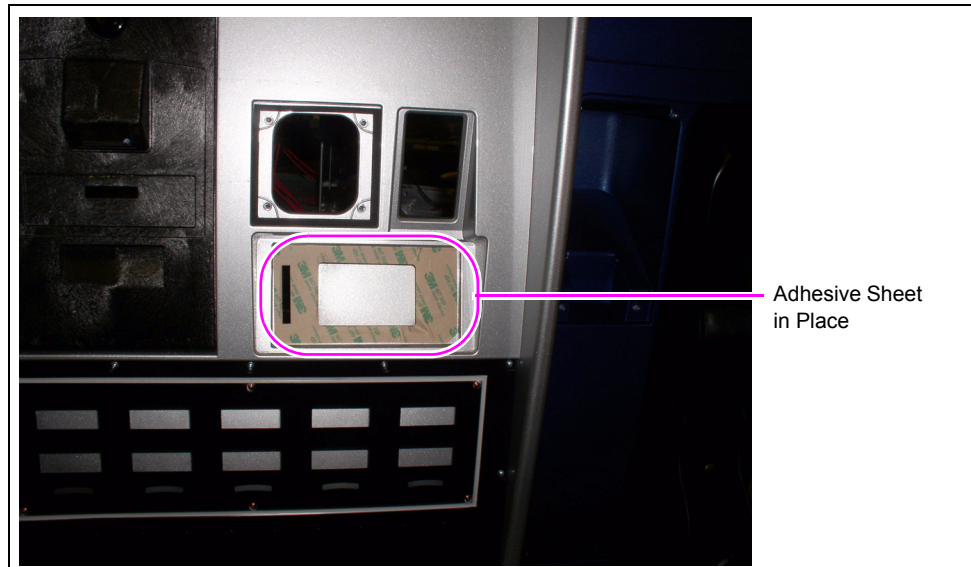
Installing Adhesive Sheet and Keypad

Note: Steps 8 through 13 in this section are covered in more detail in MDE-2620 Graphic Panel Application for The Advantage Series, Encore, and Eclipse.

- 1 Carefully remove the protective covering from the back side of the M06966B001 adhesive sheet. Do not remove the protective covering from the front side at this time.
- 2 Carefully align and place the back side of the M06966B001 adhesive sheet in position on the front of the CIM door ([Figure 7](#)). Smooth out the adhesive sheet (for example, use a smooth surfaced tool such as a 3-inch length of 1/2-inch diameter dowel rod or an old credit card to work from left to right).

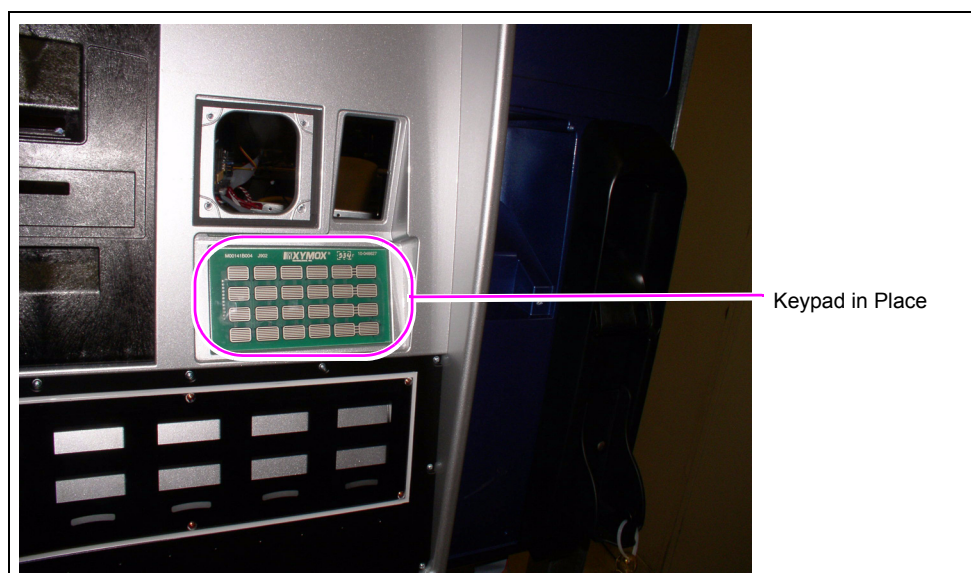
Note: Working with the M06966B001 adhesive sheet is similar to working with contact paper. Adhesive sheet will not allow repositioning once contact is made with the CIM door.

Figure 7: M06966B001 Adhesive Sheet in Place



- 3 Remove the protective covering from the front of the M06966B001 adhesive sheet.
- 4 Remove the protective covering from the back of the M00141B00X keypad.
- 5 Carefully align and press the M00141B00X keypad over the M06966B001 adhesive sheet and firmly press into place (Figure 8).

Figure 8: Keypad in Place – M00141B004 Keypad Shown



- 6 At the back of the CIM door, reconnect the cable removed in [step 5](#) under “[Preparing Customer Information Module Door for Kit Installation](#)” on [page 6](#) to keypad connector P902 ([Figure 5](#)).
- 7 Close and lock the CIM door.
- 8 Wipe the surface where the keypad overlay will be applied with a clean lint-free cloth dampened with isopropyl alcohol to be sure the surface is clean and smooth.
- 9 Be sure of keypad overlay placement before removing backing. Each keypad overlay must fit completely inside border ribs.
- 10 Locate the soft squeegee before starting the application procedure.
Note: A credit card wrapped with backing from the keypad overlay works well also.
- 11 Peel backing off new keypad overlay.
- 12 Align top and left edge of keypad overlay with border ribs. If alignment is not correct, immediately remove and reposition. When alignment is correct, using the soft squeegee, press the graphic panel into place working from top down to avoid air bubbles. Work down over the entire keypad overlay surface. It is extremely important to ensure the corners and edges of the panel are securely adhered to the surface.
- 13 Wipe area with a clean lint-free cloth dampened with isopropyl alcohol.
Note: The adhesive will fully cure in 72 hours.
- 14 Return the unit to service.
- 15 Check keypad for proper operation by running the Keypad Test with the CRIND Diagnostics Card (Q12534-170).

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