

## Introduction

### Purpose

This manual provides installation instructions for the Encore® Island Adapter Kit (M03064K001). This kit is designed for installing Encore 300/500/500 S [Encore S Enhanced Customer Interface Module (E-CIM™)]/700 S units to a foundation designed for The Advantage® Series 48-inch wide frame unit.

Stainless Steel Adaptor is shipped unpainted. It may be painted to suit station requirements using a high-quality, wear-resistant, and fuel-resistant paint.

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### Required Reading

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

- This manual.
- National Fire Protection Association (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: These kits must be installed by a Gilbarco® Authorized Service Contractor (ASC) to ensure warranty.*

### Related Documents

Document Number	Title	GOLD Library
MDE-3804	Encore and Eclipse® Series Start-up/Service Manual	Encore and Eclipse
MDE-3893	Encore/Eclipse Owners Manual	Encore and Eclipse
MDE-3985	Encore Installation Manual	Encore and Eclipse

## Required Tools and Materials

Following tools and materials are required for installing Encore Island Adapter Kit:

- Spark-free Cutting Saw or Blade for Fiberglass or Poly.
- Marker (for marking cutting locations).

## Parts List

Following table lists the parts required to install Encore Island Adapter Kit.

<b>Part Number</b>	<b>Description</b>	<b>Quantity</b>
M03064A001	Weldment Base Encore Adapter	1
END-1456	3M™ 2084 Metal Sealant (5 oz Tube)	2

## Abbreviations and Acronyms

<b>Term</b>	<b>Description</b>
ASC	Authorized Service Contractor
E-CIM	Enhanced Customer Interface Module
NFPA	National Fire Protection Association

# Important Safety Information

**Notes:** 1) *Save this Important Safety Information section in a readily accessible location.*

2) *Although DEF is non-flammable, Diesel is flammable. Therefore, for DEF cabinets that are attached to Diesel dispensers, follow all the notes in this section that pertain to flammable fuels.*




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/dispenser and island. Locate the switch or circuit breakers that shut off all power to all fueling equipment, dispensing devices, and Submerged Turbine Pumps (STPs).

 <b>WARNING</b>	
	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 the console's ALL STOP and PUMP STOP or similar keys.	

## Total Electrical Shut-Off Before Access

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

## Evacuating, Barricading, and Shutting Off

Any procedure that requires access to the pump/dispenser or STPs requires the following actions:



- An evacuation of all unauthorized persons and vehicles from the work area
- Use of safety tape, cones, or barricades at the affected unit(s)
- A total electrical shut-off of the affected unit(s)

## 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 Support 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

Applicable information is available in National Fire Protection Association (NFPA) 30A; *Code for Motor Fuel Dispensing Facilities and Repair Garages*, NFPA 70; *National Electrical Code (NEC)*, Occupational Safety and Health Administration (OSHA) regulations and federal, state, and local codes. All these regulations 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 below must be followed to prevent death, injury, or damage to the equipment:



**DANGER:** Alerts you to a hazard or unsafe practice which will result in death or serious injury.



**WARNING:** Alerts you to a hazard or unsafe practice that could result in death or serious injury.



**CAUTION with Alert symbol:** Designates a hazard or unsafe practice which may result in minor injury.

**CAUTION without Alert symbol:** 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 explode or burn, if ignited. Spilled or leaking fuels cause vapors. Even filling customer tanks will cause potentially dangerous vapors in the vicinity of the dispenser or island.

DEF is non-flammable. Therefore, explosion and fire safety warnings do not apply to DEF lines.

## Important Safety Information

### No Open Fire



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 fuel vapors. Every time you get 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. Familiarize yourself with Cardiopulmonary Resuscitation (CPR) methods, if you work 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 Lockout/Tagout procedures. If you are not familiar with this requirement, refer to this information in the service manual and OSHA documentation.

### Working With Electricity Safely

Ensure that you use safe and established practices in working with electrical devices. Poorly wired devices may cause a fire, explosion, or electrical shock. Ensure that grounding connections are properly made. Take care that sealing devices and compounds are in place. Ensure that you do not pinch wires when replacing covers. Follow OSHA Lockout/Tagout 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. Ensure that you clean hands after handling equipment. Do not place any equipment in the mouth.

#### **WARNING**

The pump/dispenser contains a chemical known to the State of California to cause cancer.

#### **WARNING**

The pump/dispenser contains a chemical known to the State of California to cause birth defects or other reproductive harm.

## In an Emergency

### Inform Emergency Personnel

Compile the following information and inform 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/DEF 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**

DEF generates ammonia gas at higher temperatures. When opening enclosed panels, allow the unit to air out to avoid breathing vapors. If respiratory difficulties develop, move victim away from source of exposure and into fresh air. If symptoms persist, seek medical attention.

#### **WARNING**



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

#### **WARNING**



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

#### **WARNING**



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

#### **WARNING**

DEF is mildly corrosive. Avoid contact with eyes, skin, and clothing. Ensure that eyewash stations and safety showers are close to the work location. Seek medical advice/recommended treatment if DEF spills into eyes.

**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. Subpart S of 29 CFR Part 1910 - Electrical Hazards, 29 CFR Part 1910.333 contains specific Lockout/Tagout provision for electrical hazards.

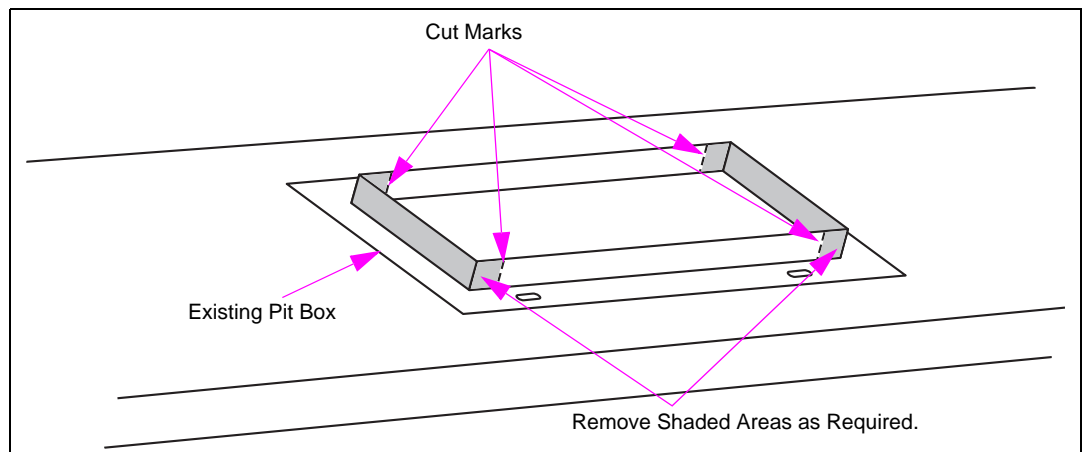
# Installing Encore Island Adapter Kit

Encore Island Adapter Kit can be installed during an upgrade from a wide frame (48-inch) The Advantage Series unit to an Encore unit. The Adapter Kit is required due to the difference in the footprint size of the units. The kit is installed after The Advantage unit has been removed and before the Encore unit is set into position. The adaptor may be painted to suit station requirements as stated in “Purpose” on page 1. Pit Box in the island must be altered to accommodate the Adapter Kit.

To alter the Pit Box and install the Adapter Kit, proceed as follows:

- 1 Read all instructions in “Important Safety Information” on page 3 before beginning and observe all safety precautions during installation.
- 2 Ensure that all power has been removed from the installation area. For details on removing system power, refer to *MDE-3893 Encore/Eclipse Owners Manual*.
- 3 Locate the Encore Island Adapter Unit and 3M 2084 Sealant (END-1456) in the kit.
- 4 After the original dispensing unit is removed, the Pit Box is exposed. Observe that the Pit Box has a lip around the top perimeter that extends upward about 1 inch. This height extension may vary at each installation depending on the Pit Box type.
- 5 Position the Encore Island Adapter over the Pit Box. Note that the vertical protruding lip of the Pit Box is longer than the center opening in the Adapter. Center the Adapter on the existing Pit Box.
- 6 Using a marker, make required cut marks of approximately 5 millimeters (1/4-inch) on the vertical Pit Box lip in four places (see Figure 1) inside the inner perimeter of the Adapter. Additional lip removal allows for clearance when installing the Adapter over the original Pit Box.
- 7 Remove the Island Adapter and set aside.

**Figure 1: Removing Existing Pit Box Area**

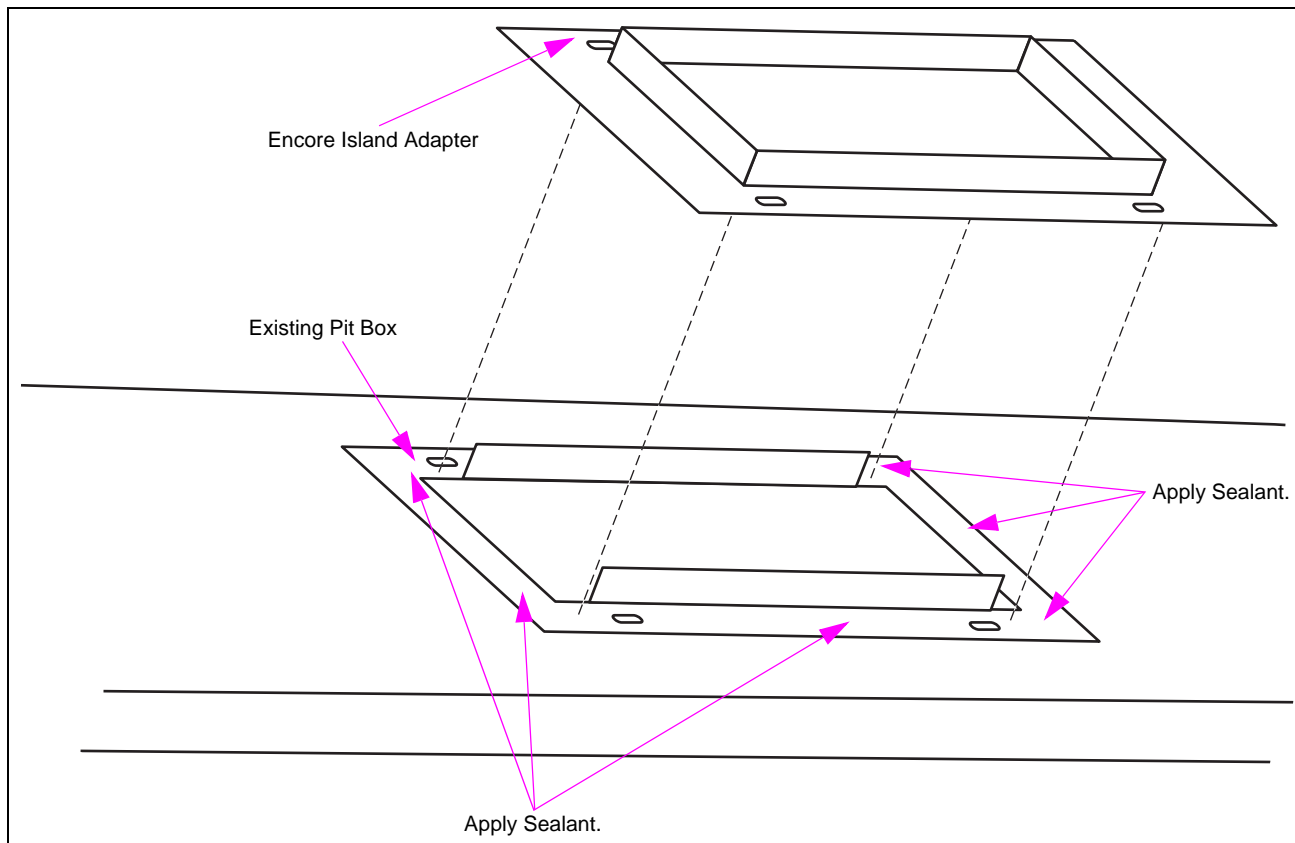


**CAUTION**

When cutting the Pit Box, fuel or explosive vapors may be present. Cap and seal all piping where fuel may be present before modifying the Pit Box. DO NOT use a power tool or any tool that generates any type of spark. Use a safe and non-sparking cutting method. Wear eye protection when cutting the Pit Box.

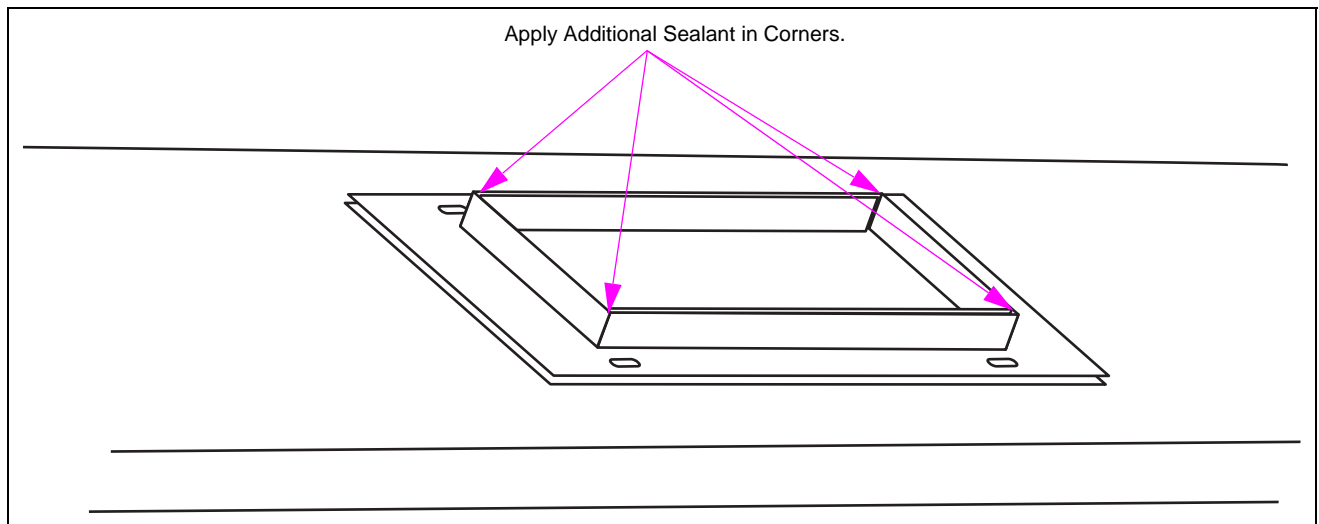
- 8 Using an appropriate cutting tool and a safe and non-sparking cutting method, remove the lip of the Pit Box as previously marked (see [Figure 1](#) on [page 5](#)). This allows the Adapter Kit to rest flush on the island and Pit Box.
- 9 Position the Island Adapter over the Pit Box (see [Figure 2](#)) to ensure proper fit, clearance, and alignment, and then remove the Adapter.
- 10 Apply 3M 2084 Sealant liberally along the entire flat surface of the Pit Box perimeter (see [Figure 2](#)). This sealant must form a water-tight seal between the Adapter and Pit Box/island.

**Figure 2: Positioning Encore Island Adapter on Existing Pit Box**



- 11 Position the Island Adapter in place and press firmly into the sealant (see [Figure 3](#)).
- 12 Apply additional sealant on the four vertical joints (see [Figure 3](#)) between the Pit Box lip and the inside corners of the Adapter.
- 13 Clean up work site, removing all materials and tools.  
*Note: Discard the materials.*
- 14 Encore unit can now be placed directly on the Island Adapter. Align the mounting holes and proceed with the installation. To install the Encore unit, refer to *MDE-3985 Encore Installation Manual*.  
*Note: Tie-down bolts for the Encore unit will also secure the Island Adaptor in place.*

**Figure 3: Positioning Encore Island Adapter**



This completes the installation of Encore Island Adapter Kit.

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