

Introduction

This manual provides instructions for installing the Lower Security Latch Support Repair Kit (M06756K001) in Encore® S Series™ units. This kit may be used if the security latch support on the bezel breaks.

Lower Security Latch Support Repair Kit

Kit No.	Description
M06756K001	Encore S Series Lower Security Latch Support Repair Kit

Required Reading

Before installing a 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 an Authorized Service Contractor (ASC) to ensure warranty.

Required Tools and Materials

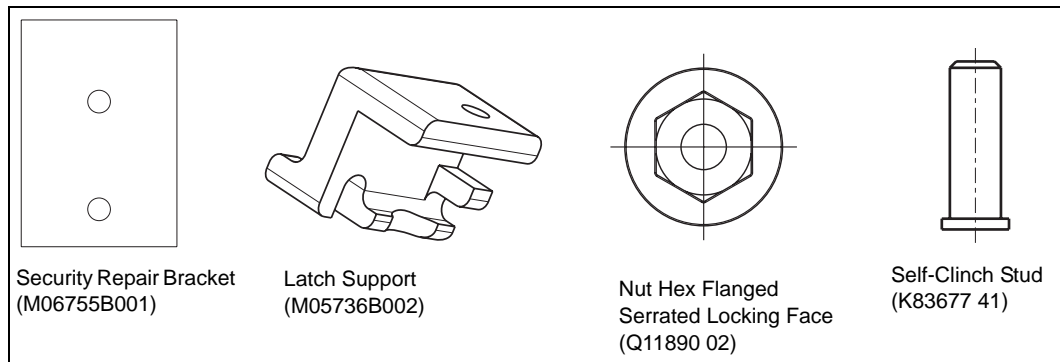
Nut driver set

Parts List

Parts List for Encore S Series Lower Security Latch Support Repair Kit M06756K001

Part Number	Description	Quantity per Kit
M06755B001	Ski-boot Repair Bracket	1
M05736B002	Latch Support	1
K83677 41	Self-Clinch Stud	2
Q11890 02	Nut Hex Flanged Serrated Locking Face	2
MDE-4545	Security Latch Support Repair Kit Installation Instructions	1

Figure 1: Parts of Lower Security Latch Support



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 the 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. 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 Lockout/Tagout 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 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. 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: 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. If gasoline has been ingested or inhaled, 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: 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.

Installing Encore S Series Lower Security Latch Support Repair Kit

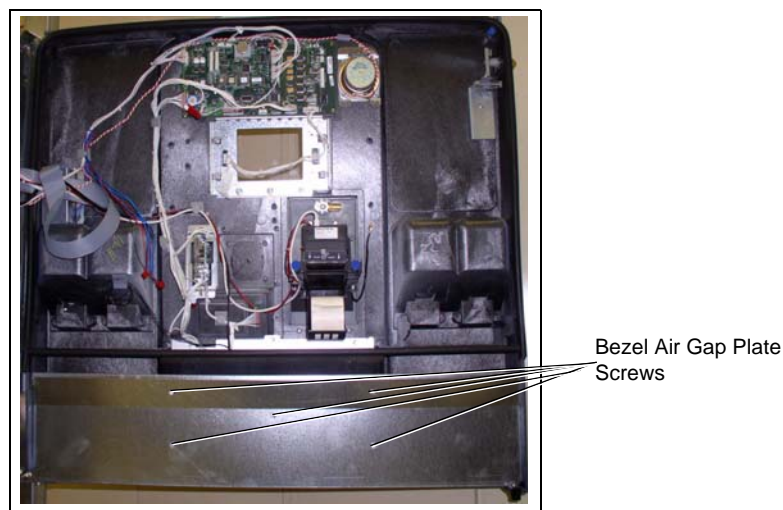
Preparing for the Installation

- 1 Touch an unpainted metal surface.
- 2  Use a wrist strap connected to a grounded metal frame or chassis.
- 3 Request permission from the manager/owner to remove power from the unit and then remove power using normal procedures. Perform the lockout/tagout safety procedures.
- 4 Ensure that you have all the required components in the kit.
- 5 Follow all applicable safety rules and procedures.
- 6 Unlock and remove the lower panel.
Note: Place the lower panel in a safe place so that it does not get scratched.
- 7 Unlock and open the main door.

Installing the Encore S Series Lower Security Latch Support Repair Kit

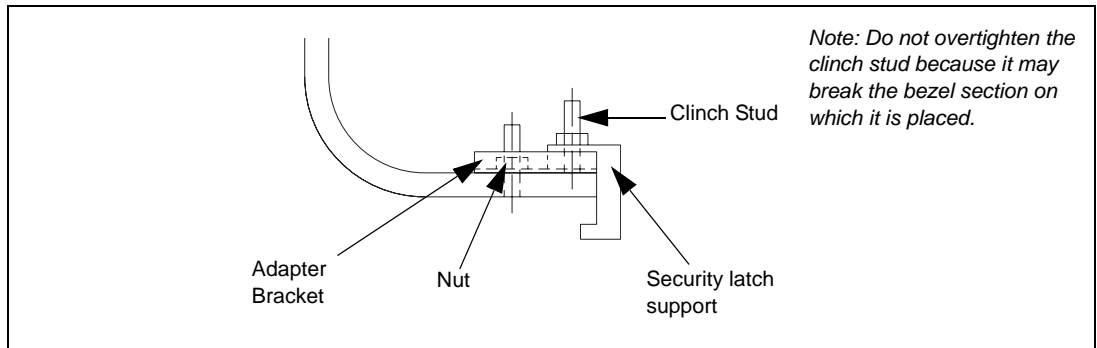
- 1 From the back of the main door, remove and retain the five screws on the bezel air gap panel.

Figure 2: Rear View of the Main Door



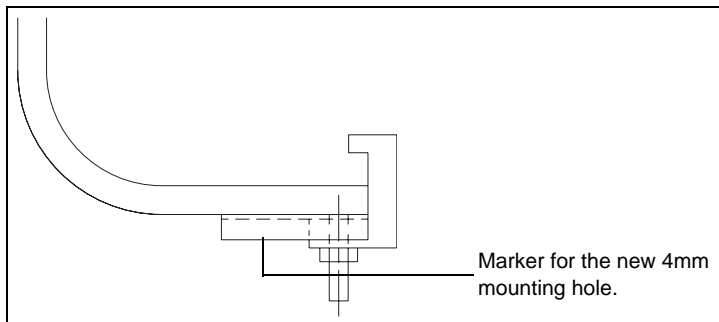
- 2 From the inside of the bezel, remove the broken security latch and pieces, if any, and the accompanying screw.
- 3 Align the security latch support repair assembly with the hole on the bezel, on which the original security latch support was placed, and tighten it using the clinch stud.
Note: You need to use the additional nut, to place the security latch only if the bezel section is broken. Refer to [Figure 3](#).

Figure 3: Security Latch Support Repair Assembly



Note: If the mounting hole does not exist (in older bezels) or if the entire section of the bezel on which the old security latch was placed, is broken, you will have to drill a mounting hole for the security latch bracket. In this case, hold the security latch support repair assembly to the bottom of the bezel, and using the assembly as a template, mark the exact location of the mounting hole to be drilled. Refer to [Figure 4](#). Remove the assembly and drill a 4 mm mounting hole on the bezel. Then, mount the assembly on the bezel. Refer to [Figure 3](#).

Figure 4: Mounting Hole Marker on Old Bezel



- 4 Replace the bezel air gap plate, insert the five screws (removed in step 1) and tighten the plate.

Completing the Installation

- 1 Close and lock the main door.
- 2 Place the lower panel back in its slot and lock it.
- 3 Inform the manager/owner that power will be restored to the unit and then restore power using normal procedures. Remove the lockout/tagout and return to normal operation.

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