

## Introduction

### Purpose

This manual provides instructions on installing the Encore® Display Screen Protector Kit (M15922K00X).

### Intended Users

This manual is intended for Gilbarco®-trained and certified Authorized Service Contractor (ASCs).

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### Required Tools

The following tools are required to clean the display surface:

- Squeegee
- Spray Bottle (one part water with three drops of dish soap)
- Microfiber Towel
- Graphics Pen (as needed)

### Safety Equipments

Operators must wear the correct safety equipment which includes safety glasses, safety shoes, gloves, and ear protection (see [Figure 1](#)).

*Note: Use of the proper safety equipment helps prevent injury while completing a job function.*

**Figure 1: Safety Equipment**



## Parts List

### M15922K001

The following table lists the parts included in the M15922K001 Kit:

| Item | Description  | Part Number | Quantity |
|------|--|-------------|----------|
| 1    | Screen Protector, E500/700 Main Display                                    | M15775B001  | 2        |
| 2    | Encore Display Screen Protector Kit (M15922K00X) Installation Instructions | MDE-5357    | 1        |

### M15922K002

The following table lists the parts included in the M15922K002 Kit:

| Item | Description  | Part Number | Quantity |
|------|--|-------------|----------|
| 1    | Screen Protector, Encore 10.4" Display                                     | M15775B002  | 2        |
| 2    | Encore Display Screen Protector Kit (M15922K00X) Installation Instructions | MDE-5357    | 1        |

### M15922K003

The following table lists the parts included in the M15922K003 Kit:

| Item | Description  | Part Number | Quantity |
|------|--|-------------|----------|
| 1    | Screen Protector, Encore 5.7" Display                                      | M15775B003  | 2        |
| 2    | Encore Display Screen Protector Kit (M15922K00X) Installation Instructions | MDE-5357    | 1        |

### M15922K004

The following table lists the parts included in the M15922K004 Kit:

| Item | Description  | Part Number | Quantity |
|------|--|-------------|----------|
| 1    | Screen Protector, E500/700 Part per Unit (PPU) Display                     | M15775B004  | 8        |
| 2    | Encore Display Screen Protector Kit (M15922K00X) Installation Instructions | MDE-5357    | 1        |

### M15922K005

The following table lists the parts included in the M15922K005 Kit:

| Item | Description  | Part Number | Quantity |
|------|--|-------------|----------|
| 1    | Screen Protector, E500/700 Main Display                                    | M15775B001  | 2        |
| 2    | Screen Protector, Encore 10.4" Display                                     | M15775B002  | 2        |
| 3    | Screen Protector, E500/700 PPU Display                                     | M15775B004  | 6        |
| 4    | Encore Display Screen Protector Kit (M15922K00X) Installation Instructions | MDE-5357    | 1        |

### M15922K006

The following table lists the parts included in the M15922K006 Kit:

| Item | Description  | Part Number | Quantity |
|------|--|-------------|----------|
| 1    | Screen Protector, E500/700 Main Display                                    | M15775B001  | 2        |
| 2    | Screen Protector, Encore 5.7" Display                                      | M15775B003  | 2        |
| 3    | Screen Protector, E500/700 PPU Display                                     | M15775B004  | 6        |
| 4    | Encore Display Screen Protector Kit (M15922K00X) Installation Instructions | MDE-5357    | 1        |

**M15922K007**

The following table lists the parts included in the M15922K007 Kit:

| Item | Description  | Part Number | Quantity |
|------|--|-------------|----------|
| 1    | Screen Protector, E500/700 Main Display                                    | M15775B001  | 2        |
| 2    | Screen Protector, Encore 10.4" Display                                     | M15775B002  | 2        |
| 3    | Screen Protector, E500/700 PPU Display                                     | M15775B004  | 10       |
| 4    | Encore Display Screen Protector Kit (M15922K00X) Installation Instructions | MDE-5357    | 1        |

**M15922K008**

The following table lists the parts included in the M15922K008 Kit:

| Item | Description  | Part Number | Quantity |
|------|--|-------------|----------|
| 1    | Screen Protector, E500/700 Main Display                                    | M15775B001  | 2        |
| 2    | Screen Protector, Encore 5.7" Display                                      | M15775B003  | 2        |
| 3    | Screen Protector, E500/700 PPU Display                                     | M15775B004  | 10       |
| 4    | Encore Display Screen Protector Kit (M15922K00X) Installation Instructions | MDE-5357    | 1        |

**M15984K001**

The following table lists the parts included in the M15984K001 Kit:

| Item | Description       | Part Number | Quantity |
|------|-------------------|-------------|----------|
| 1    | Pick Tool         | M15984B001  | 1        |
| 2    | Squeegee          | M15984B002  | 1        |
| 3    | Spray Bottle      | M15984B003  | 1        |
| 4    | Soap              | M15984B004  | 1        |
| 5    | Micro-Fiber Towel | M15984B005  | 1        |

**M15922K009**

The following table lists the parts included in the M15922K009 Kit:

| Item | Description  | Part Number | Quantity |
|------|--|-------------|----------|
| 1    | Screen Protector, Encore Main Display, Pre 12/12                           | M15775B005  | 2        |
| 2    | Screen Protector, Encore 10.4" Display                                     | M15775B002  | 2        |
| 3    | Screen Protector, E500/700 PPU Display                                     | M15775B004  | 6        |
| 4    | Encore Display Screen Protector Kit (M15922K00X) Installation Instructions | MDE-5357    | 1        |

**M15922K010**

The following table lists the parts included in the M15922K010 Kit:

| Item | Description  | Part Number | Quantity |
|------|--|-------------|----------|
| 1    | Screen Protector, Encore Main Display Pre 12/12                            | M15775B005  | 2        |
| 2    | Screen Protector, Encore 5.7" Display                                      | M15775B003  | 2        |
| 3    | Screen Protector, E500/700 PPU Display                                     | M15775B004  | 6        |
| 4    | Encore Display Screen Protector Kit (M15922K00X) Installation Instructions | MDE-5357    | 1        |

**M15922K011**

The following table lists the parts included in the M15922K011 Kit:

| Item | Description  | Part Number | Quantity |
|------|--|-------------|----------|
| 1    | Screen Protector, Encore Main Display Pre 12/12                            | M15775B005  | 2        |
| 2    | Screen Protector, Encore 10.4" Display                                     | M15775B002  | 2        |
| 3    | Screen Protector, E500/700 PPU Display                                     | M15775B004  | 10       |
| 4    | Encore Display Screen Protector Kit (M15922K00X) Installation Instructions | MDE-5357    | 1        |

**M15922K012**

The following table lists the parts included in the M15922K012 Kit:

| Item | Description  | Part Number | Quantity |
|------|--|-------------|----------|
| 1    | Screen Protector, Encore Main Display, Pre 12/12                           | M15775B005  | 2        |
| 2    | Screen Protector, Encore 5.7" Display                                      | M15775B003  | 2        |
| 3    | Screen Protector, E500/700 PPU Display                                     | M15775B004  | 10       |
| 4    | Encore Display Screen Protector Kit (M15922K00X) Installation Instructions | MDE-5357    | 1        |

**M15922K013**

The following table lists the parts included in the M15922K013 Kit:

| Item | Description  | Part Number | Quantity |
|------|--|-------------|----------|
| 1    | Screen Protector, Encore Main Display, Pre 12/12                           | M15775B005  | 2        |
| 2    | Encore Display Screen Protector Kit (M15922K00X) Installation Instructions | MDE-5357    | 1        |

**M15922K014**

The following table lists the parts included in the M15922K014 Kit:

| Item | Description  | Part Number | Quantity |
|------|--|-------------|----------|
| 1    | Screen Protector, E900 Main Display  | M15775B006  | 4        |
| 2    | Screen Protector, E900 PPU Display   | M15775B007  | 8        |
| 3    | Screen Protector, Encore 10.4" Display                                     | M15775B002  | 2        |
| 4    | Encore Display Screen Protector Kit (M15922K00X) Installation Instructions | MDE-5357    | 1        |

**M15922K015**

The following table lists the parts included in the M15922K015 Kit:

| Item | Description  | Part Number | Quantity |
|------|--|-------------|----------|
| 1    | Screen Protector, E300 Main Display  | M15775B008  | 4        |
| 2    | Screen Protector, E300 PPU Display   | M15775B009  | 10       |
| 3    | Screen Protector, Encore 10.4" Display                                     | M15775B002  | 2        |
| 4    | Encore Display Screen Protector Kit (M15922K00X) Installation Instructions | MDE-5357    | 1        |

**M15922K016**

The following table lists the parts included in the M15922K016 Kit:

| Item | Description  | Part Number | Quantity |
|------|--|-------------|----------|
| 1    | Screen Protector, E900 Main Display  | M15775B006  | 4        |
| 2    | Screen Protector, E900 PPU Display   | M15775B007  | 12       |
| 3    | Screen Protector, Encore 10.4" Display                                     | M15775B002  | 2        |
| 4    | Encore Display Screen Protector Kit (M15922K00X) Installation Instructions | MDE-5357    | 1        |

**M15922K017**

The following table lists the parts included in the M15922K017 Kit:

| Item | Description  | Part Number | Quantity |
|------|--|-------------|----------|
| 1    | Screen Protector, E900 Main Display  | M15775B006  | 4        |
| 2    | Encore Display Screen Protector Kit (M15922K00X) Installation Instructions | MDE-5357    | 1        |

**M15922K018**

The following table lists the parts included in the M15922K018 Kit:

| Item | Description  | Part Number | Quantity |
|------|--|-------------|----------|
| 1    | Screen Protector, E900 PPU Display   | M15775B007  | 12       |
| 2    | Encore Display Screen Protector Kit (M15922K00X) Installation Instructions | MDE-5357    | 1        |

**M15922K019**

The following table lists the parts included in the M15922K019 Kit:

| Item | Description  | Part Number | Quantity |
|------|--|-------------|----------|
| 1    | Screen Protector, E300 Main Display  | M15775B008  | 4        |
| 2    | Encore Display Screen Protector Kit (M15922K00X) Installation Instructions | MDE-5357    | 1        |

**M15922K020**

The following table lists the parts included in the M15922K020 Kit:

| Item | Description  | Part Number | Quantity |
|------|--|-------------|----------|
| 1    | Screen Protector, E300 PPU Display   | M15775B009  | 10       |
| 2    | Encore Display Screen Protector Kit (M15922K00X) Installation Instructions | MDE-5357    | 1        |

**M15922K021**

The following table lists the parts included in the M15922K021 Kit:

| Item | Description  | Part Number | Quantity |
|------|--|-------------|----------|
| 1    | Screen Protector, E300 Main Display  | M15775B008  | 4        |
| 2    | Screen Protector, E300 PPU Display   | M15775B009  | 10       |
| 3    | Screen Protector, Encore 5.7" Display                                      | M15775B003  | 2        |
| 4    | Encore Display Screen Protector Kit (M15922K00X) Installation Instructions | MDE-5357    | 1        |

**Related Documents**

| Document Number | Title                                       | GOLD <sup>SM</sup> Library   |
|-----------------|---|--|
| MDE-3804        | Encore and Eclipse® Start-up/Service Manual | <ul style="list-style-type: none"> <li>Encore and Eclipse</li> <li>Service Manual</li> </ul> |

**Abbreviations and Acronyms**

| Terms | Description                                   |
|-------|---|
| ASC   | Authorized Service Contractor                 |
| ESD   | Electrostatic Discharge                       |
| GOLD  | Gilbarco Online Documentation                 |
| OSHA  | Occupational Safety and Health Administration |
| PPU   | Part per Unit                                 |

# 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).

**⚠ 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 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 the Gilbarco Technical Assistance Center (TAC) at 1-800-743-7501. 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.

## Federal Communications Commission (FCC) Warning

This equipment has been tested and found to comply with the limits for a Class A digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense. Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate this equipment.

## 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.

**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.

## Before You Begin

### CAUTION



A properly grounded Electrostatic Discharge (ESD) wrist strap must be worn while servicing any electronic devices or components. Failure to use electrostatic precautions may damage electronic components and void warranty.



### WARNING

Gilbarco recommends against any tampering that compromises the frame integrity during the installation process, and doing so may void the warranty.

To prepare the site and dispenser for the upgrade, proceed as follows:

- 1 Inform the manager.
- 2 Barricade the unit to be worked on.
- 3 Remove power to the unit at the breaker panel. Follow OSHA lockout/tagout procedures.
- 4 Read all the safety information provided in *MDE-3804 Encore and Eclipse Start-up/Service Manual*.
- 5 Isolate two-wire cable to the unit.



### WARNING

Failure to turn off the unit during the installation of the kit may cause injury or bodily harm from electrical shock. Ensure that all power to the unit is switched off before opening the door to the unit and during kit installation.

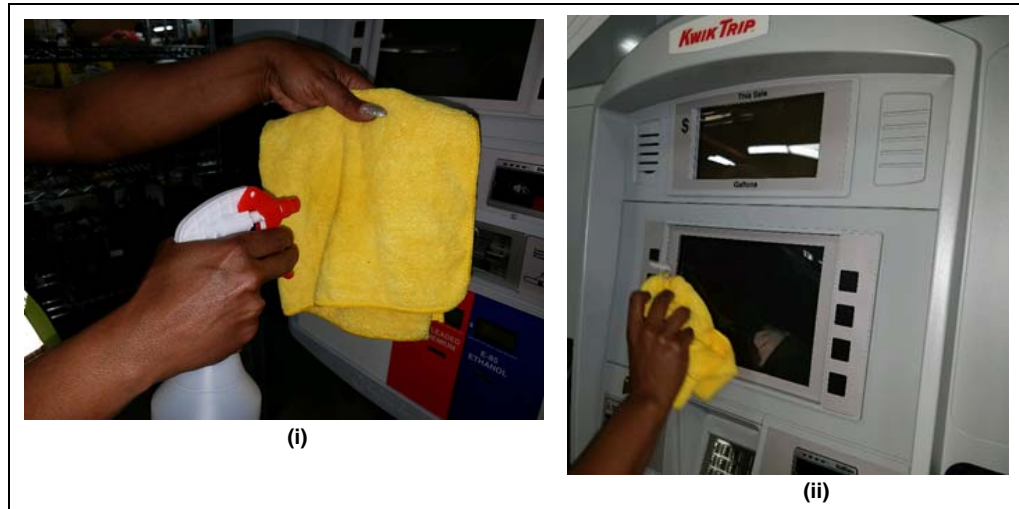


## Cleaning the Display Surface

To clean the display surface, proceed as follows:

- 1 Using the soapy water solution, spray the microfiber towel as shown in [Figure 2 \(i\)](#) and wipe all the lenses that will receive screen protectors. This will remove contaminants deposited on the display [see [Figure 2 \(ii\)](#)].

**Figure 2: Cleaning the Display Surface**



*Note: After cleaning, respray the lenses with a mist of the solution.*

## Preparing and Applying Lens Protectors

*Note: Clean all lenses before proceeding to step 1.*

To apply lens protector on the display surface, proceed as follows:

- 1 Peel off the film of the lens protector.

**Figure 3: Peeling Off Film**



- 2 Spray the adhesive side of the lens protector with a mist of solution.

**Figure 4: Spraying Mist on Lens**



- 3 Apply the lens on the dispenser.

**Figure 5: Applying Lens on Display**



*Note: Stepped corner is placed in the lower left hand corner.*

*Note: If the lens protector is installed incorrectly, discard the used protector and install a new lens protector.*

# Removing Water

To remove water from the lens protector, proceed as follows:

- 1 Make even passes on the lens protector using a squeegee.

**Figure 6: Removing Water from Lens**



*Note: To complete this task efficiently, apply firm pressure on the lens protector.*


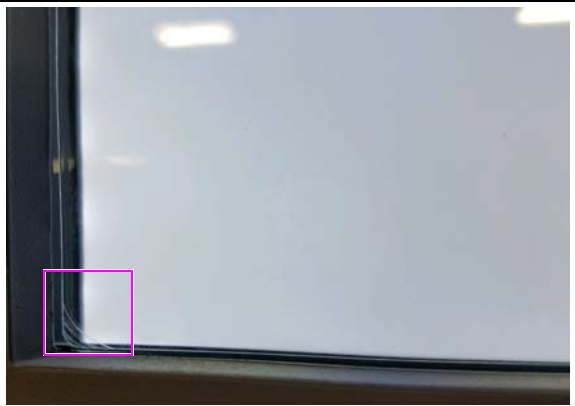

- 2 Wipe away all the residual water using a microfiber towel. Ensure that no water remains.

**Figure 7: Removing Water from Display**



## Acceptable Versus Unacceptable Screen Protector Installations

The following section will distinguish between the acceptable and unacceptable screen protector installation:

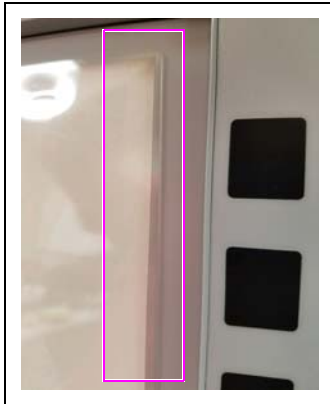
| Display With Screen Protector   | Acceptable/Unacceptable  |
|---|--|
|    | UNACCEPTABLE   |
|   | ACCEPTABLE<br>Tab is used for customer to peel away the damaged layer. |
|  | UNACCEPTABLE<br>Screen appears blemished after the installation.       |

Display With Screen Protector

Acceptable/Unacceptable



ACCEPTABLE  
When illuminated there is no blemish.



UNACCEPTABLE  
Alignment Defect  
Screen Protector should not overlap on the 10.4" graphic.



ACCEPTABLE  
Edge of screen protector is centered within all lens borders.

Installing Encore Display Screen Protector Kit is now complete.

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