



Introduction

Purpose

This document provides instructions to install the Atlas® Bezel (M08400A001 or M08400A003) using the M08400K001 Upgrade Kit or the M08400K002 PRIME Bezel Replacement Kit.

Note: The instructions are also applicable for installing the M08685K001 kit that is intended for replacing only the Gaskets in the Atlas Bezel. The M08685K001 kit does not include the Atlas Bezel Assembly.

Ordering Information

Note: For more information, refer to Gasboy® Price List GPL-5100.

The Atlas Bezel Assembly is a retrofit bezel for Atlas models only. It consists of a rigid structural foam frame with one-piece polycarbonate lense and Tedlar®-style polycarbonate graphic panels and brands. When ordering for the replacement, you must provide the following information so that the correct dial face can be provided:

- Original unit model number (i.e., 9853KXTW1-DZ)
- Original unit serial number (i.e., AT00XXXX)
- Side A or Side B (field wiring junction box is on Side A)
- Totalizer detail, if any
- Language
- Unit of measure (Gallons or Liters)
- Branding information

Intended Users

This document is intended for Gasboy-certified Authorized Service Contractors (ASCs) and Customer Specified Contractors (CSCs).

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Required Tools

The following tools are required for the installation of the kit:

- Phillips® Screwdriver
- Flat Blade Screwdriver
- Scissors or Utility Knife
- Metric Nut Driver Set
- 7/16 Socket or Wrench

Parts List

The following table lists the parts included in the M08400K00X kit:

Item #	Description	Part Number	Quantity
1	Wiper Gasket	M08340B001	1
2	Atlas Bezel Assembly	M08400A001 or M08400A003	1
3	Gasket 1/4 X 1/2 X 1	Q11899-21	2
4	Gasket 1/4 X 1/2 X 25.7	Q11899-22	1
5	Gasket 1/4 X 1/2 X 3.15	Q11899-23	2

Note: These are configured kits; dial face graphics and brand panel graphics must be ordered with the kit.

The following table lists the parts included in the M08685K001 kit.

Note: The M08685K001 is intended for replacing the Gaskets in the Atlas Bezel. It does not include the Atlas Bezel Assembly.

Item #	Description	Part Number	Quantity per Dispenser
1	Wiper Gasket	M08340B001	2
2	Screw, Thread Forming Pan	M04287B001	4
3	Gasket, Upper Housing	M05095B001	4
4	Gasket 1/4 X 1/2 X 1	Q11899-21	4
5	Gasket 1/4 X 1/2 X 25.7	Q11899-22	4
6	Gasket 1/4 X 1/2 X 3.15	Q11899-23	2

Related Documents

Document Number	Title	GOLD SM Library
MDE-4255	Gasboy Warranty Policy Statement	Gasboy
MDE-4334	Atlas Start-Up and Service Manual	Atlas

Abbreviations and Acronym

Term	Description
ASC	Authorized Service Contractors
CAT5	Category 5
CSC	Customer Specified Contractors
DEF	Diesel Exhaust Fluid
GOLD	Gilbarco Online Documentation
NEC®	National Electrical Code
NFPA	National Fire Protection Association
OSHA	Occupational Safety and Health Administration

Warranty

For information on warranty, refer to *MDE-4255 Gasboy Warranty Policy Statement*. If you have any warranty-related questions, contact Gasboy's Warranty Department at the Greensboro location.

Important Safety Information

Notes: 1) 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.

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.



Gilbarco Veeder-Root encourages the recycling of our products. Some products contain electronics, batteries, or other materials that may require special management practices depending on your location. Please refer to your local, state, or country regulations for these requirements.

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 the M08400K001 Kit

Figure 1: Atlas Bezel Assembly M08400A001 (Front View)

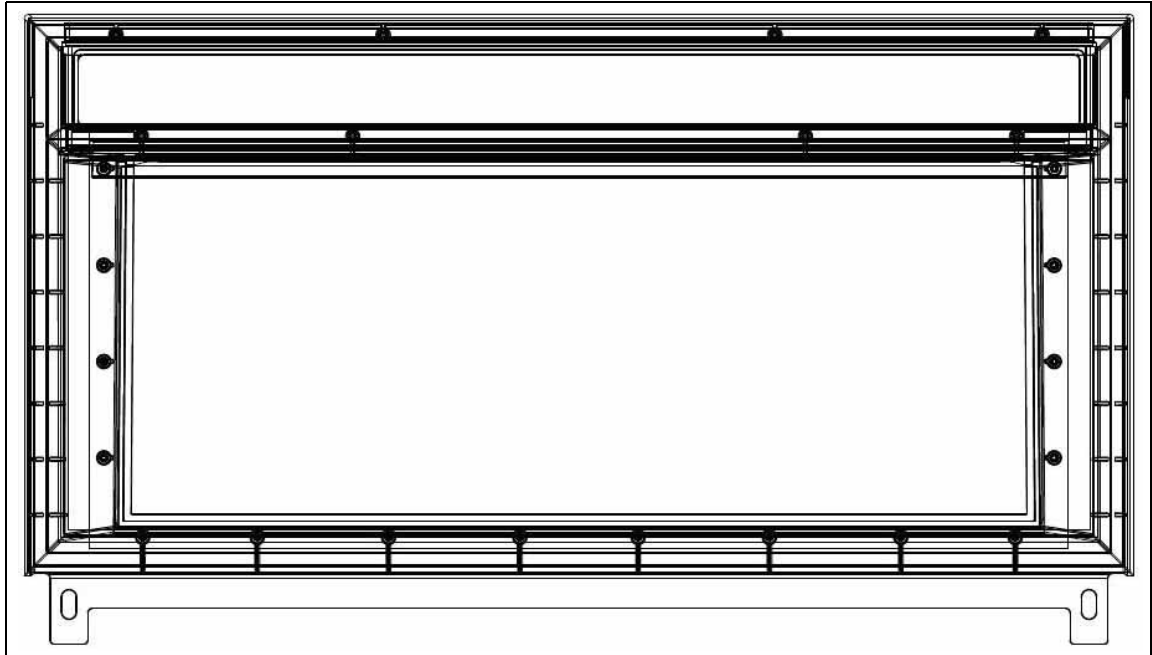


Figure 2: Rear View Showing the Hanger Lip

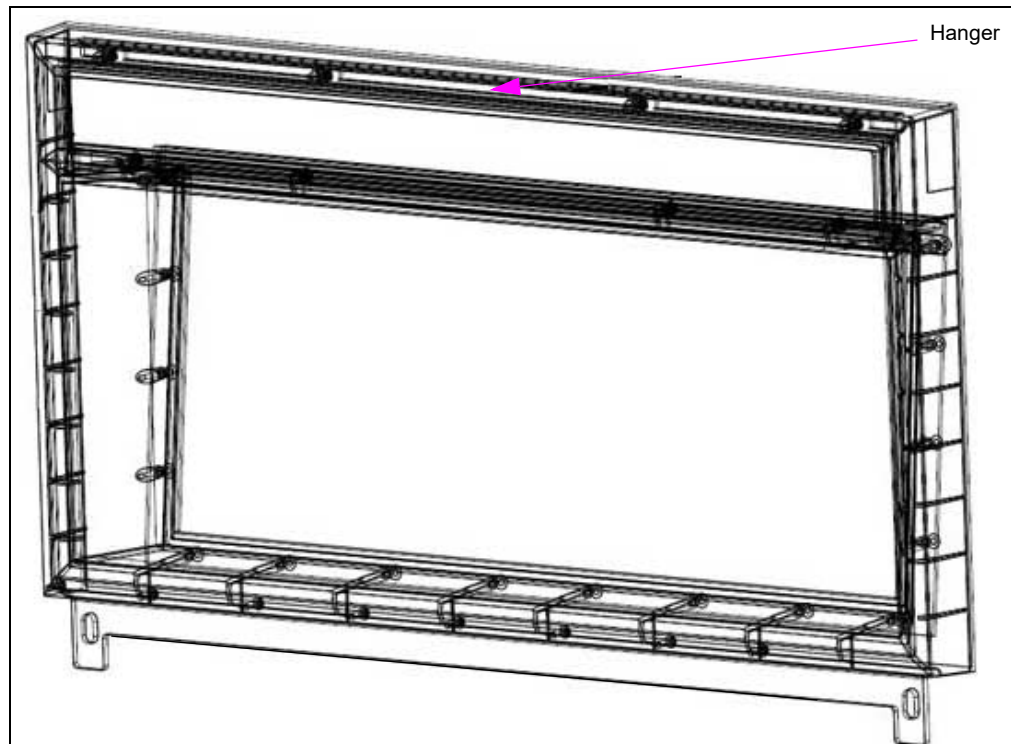
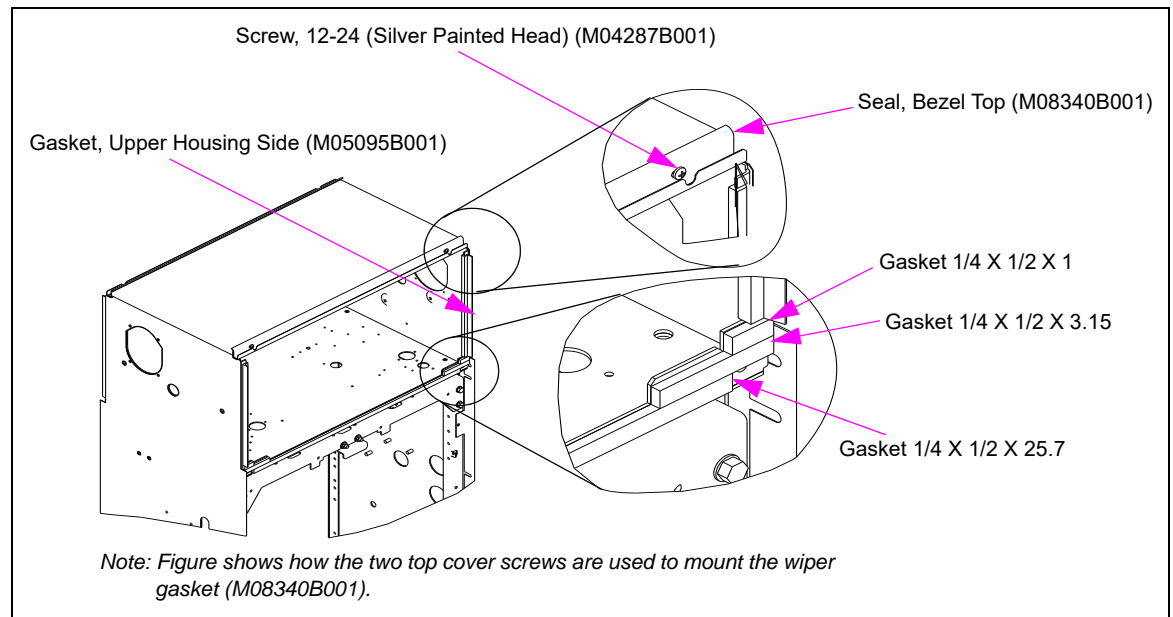


Figure 3: Bezel Sealing Gaskets (for Units Built Before September 2010)

To install the kit, proceed as follows:

- 1 Remove the dispenser lower door using the key.
- 2 Remove the two Wing nut fasteners at the lower corners of the existing Atlas Bezel. Remove the existing Bezel.
- 3 Remove the two Phillips head screws that secure the top cover (see [Figure 3](#)).
- 4 Place the wiper gasket (M08340B001) in the hanger trough (see [Figure 3](#)), and install the screws that were removed in step 3. The top cover and wiper gasket are now installed.
- 5 Place adhesive-backed gaskets (items 3, 4, and 5 in “[Parts List](#)” on [page 2](#)) along the lower edge (see [Figure 3](#)).
- 6 Position the new Atlas Bezel so that its hanger (see [Figure 2](#) on [page 6](#)) fits into the hanger trough of the top cover.
- 7 Reinstall the two Wing nut fasteners at the lower corners of the Atlas Bezel. The bezel is now fully installed.
- 8 Replace the dispenser lower door.
- 9 Repeat steps 1 to 8 for Side B of the unit.

The installation of the M08400K001 kit is complete.

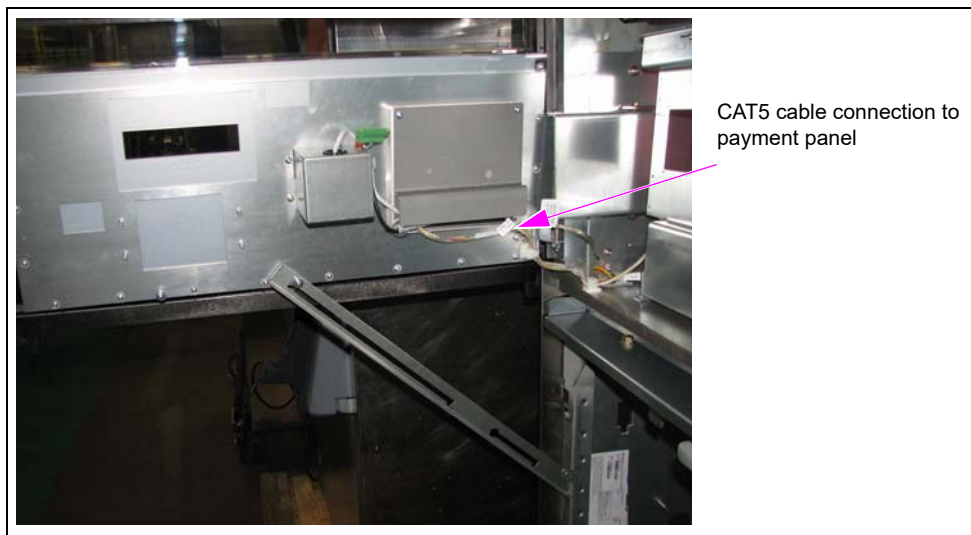
Installing the M08400K002 Kit

Removing the Existing Bezel Assembly

To install the Atlas PRIME bezel replacement, remove the existing bezel from the pump/dispenser. To remove the existing bezel assembly, proceed as follows:

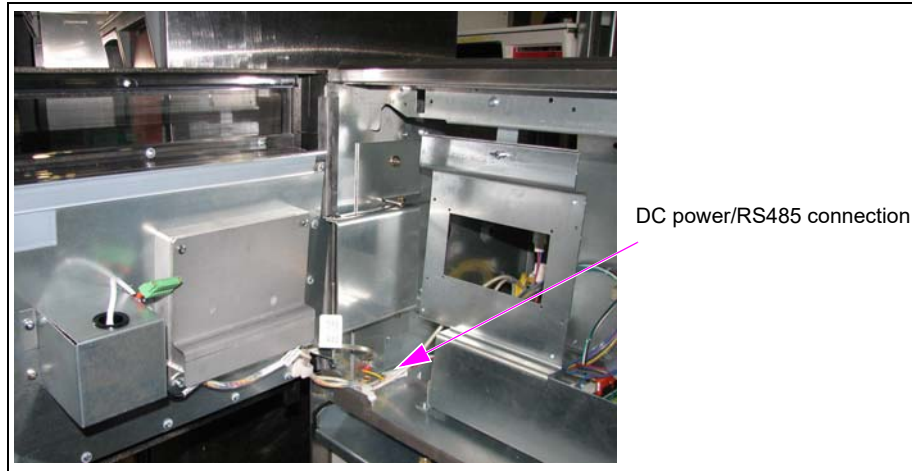
- 1 Ensure that the bezel is open and resting on the support bracket. For more information, refer to *MDE-4334 Atlas Start-Up and Service Manual*.
- 2 Disconnect the Category 5 (CAT5) cable connection to the payment panel.
- 3 Remove the CAT5 cable from cable clamps on the bezel assembly.

Figure 4: Bezel Assembly



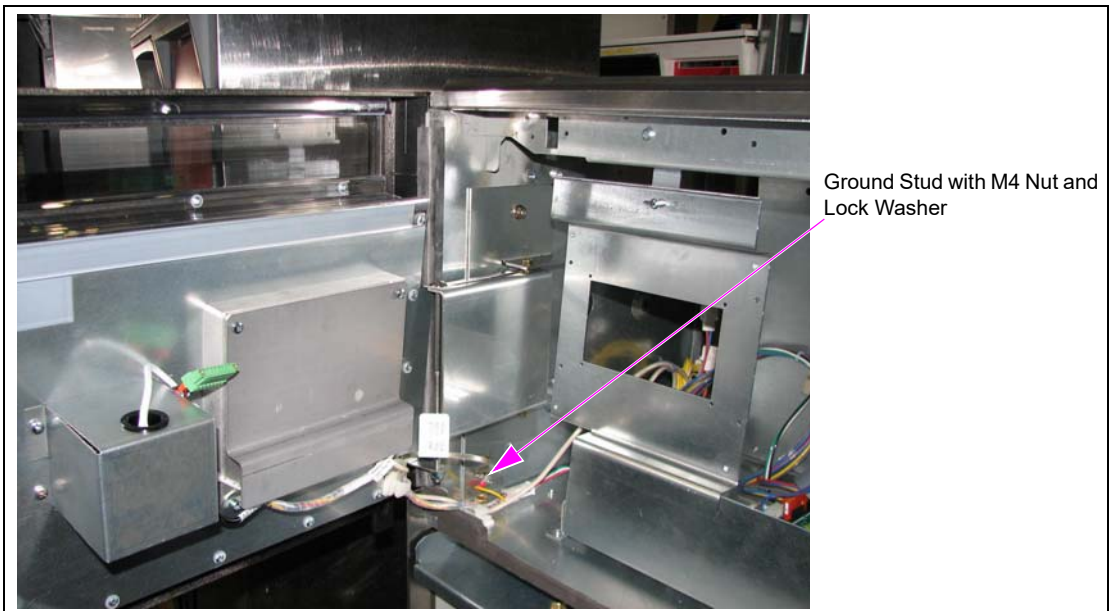
- 4 Disconnect the DC power/RS485 cable.
Note: Side B cable will not have RS485 cable (green and white wires).

Figure 5: DC Power/RS485 connection



- 5 Remove the M4 nut from the ground stud present inside the unit. Retain the M4 nut for re-installation.

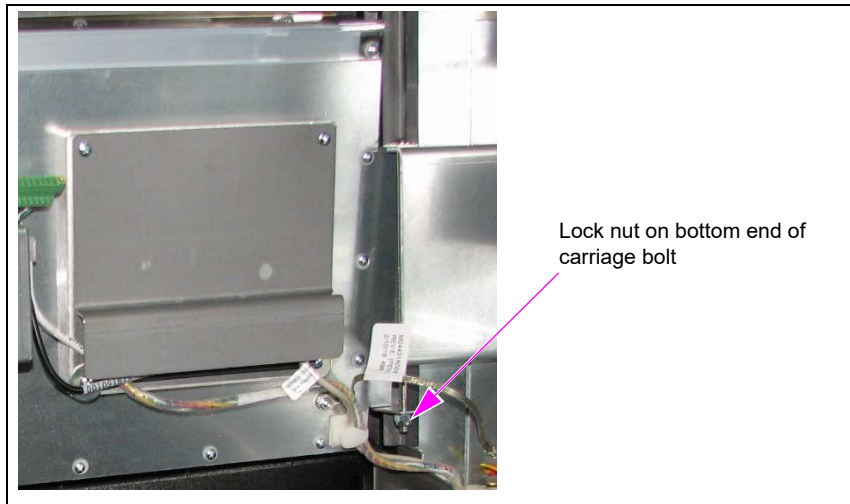
Figure 6: Location of Ground Stud with M4 Nut and Lock Washer



- 6 Remove ground wires from the ground stud.
Note: Do not remove the lock washer from the ground stud.
- 7 Remove cables from any cable clamps present inside the unit.

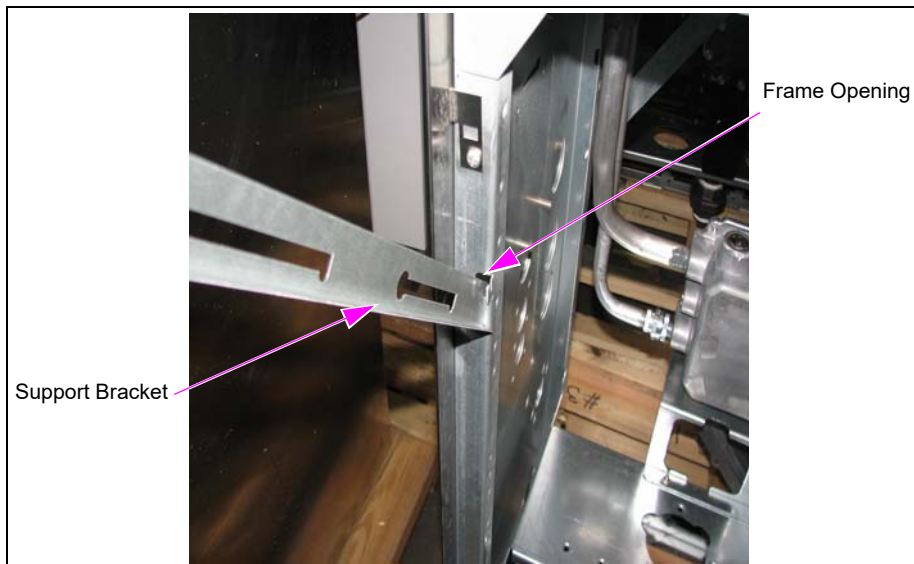
- 8 Remove the lock nut from bottom of the carriage bolt. Retain the lock nut for re-installation.

Figure 7: Lock Nut of Carriage Bolt



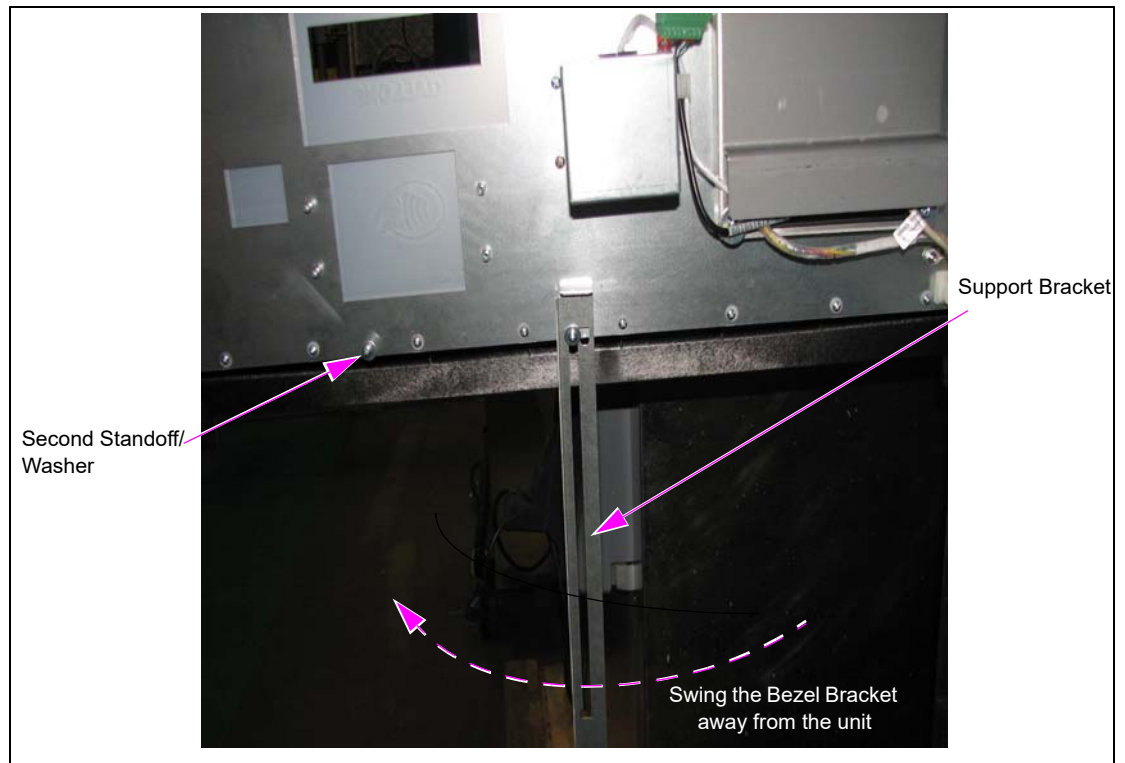
- 9 While supporting the end of the bezel away from the unit, remove the support bracket from the frame opening.

Figure 8: Bezel Support Bracket



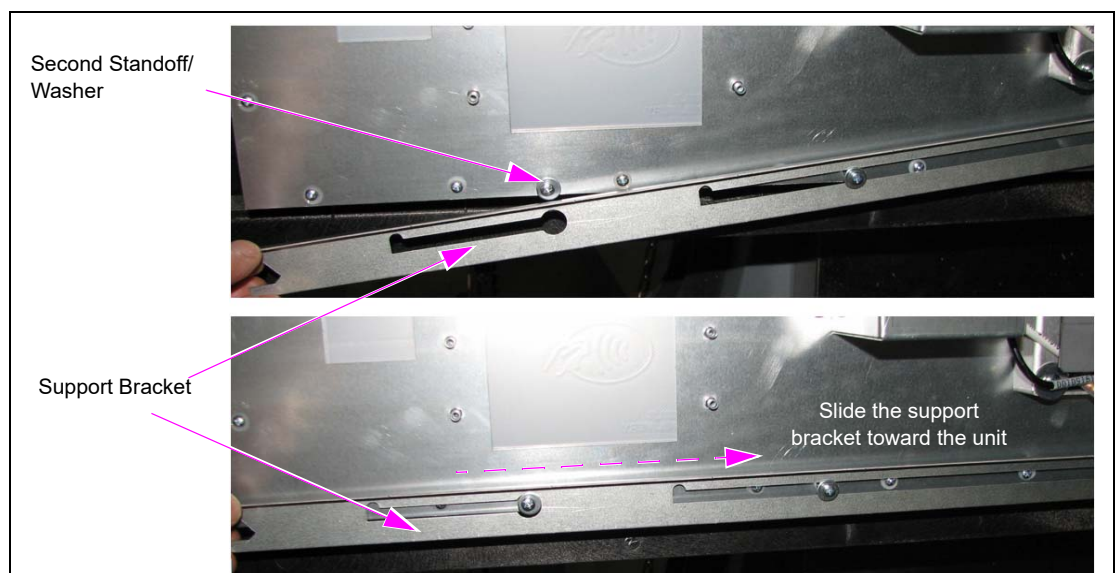
- 10 Swing the bezel support bracket away from the unit until it is positioned just below the second standoff/washer.

Figure 9: Second Standoff/Washer



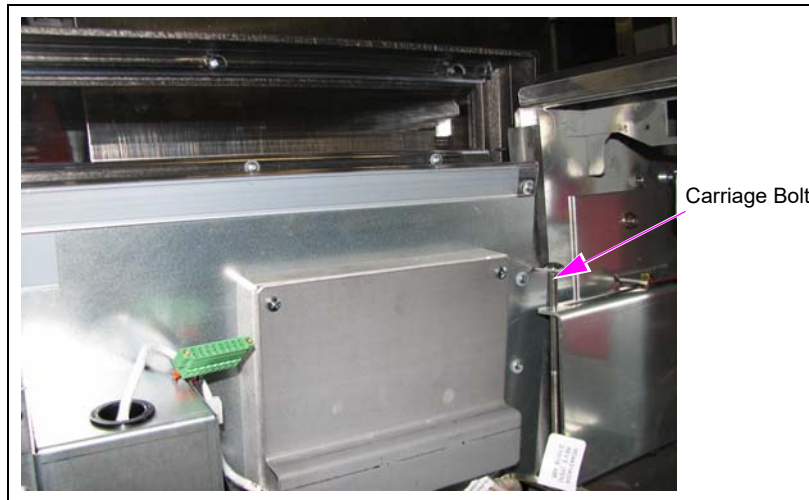
- 11 Slide the support bracket toward the unit until the opening in the bracket aligns with the second standoff/washer. Hook the bracket opening over the standoff/washer.

Figure 10: Bezel Support Bracket



- 12 Slide in the support bracket until there is no room for movement.
- 13 Lift up the bezel and remove the carriage bolt by pulling it up and then out. Retain the carriage bolt for re-installation.

Figure 11: Carriage Bolt



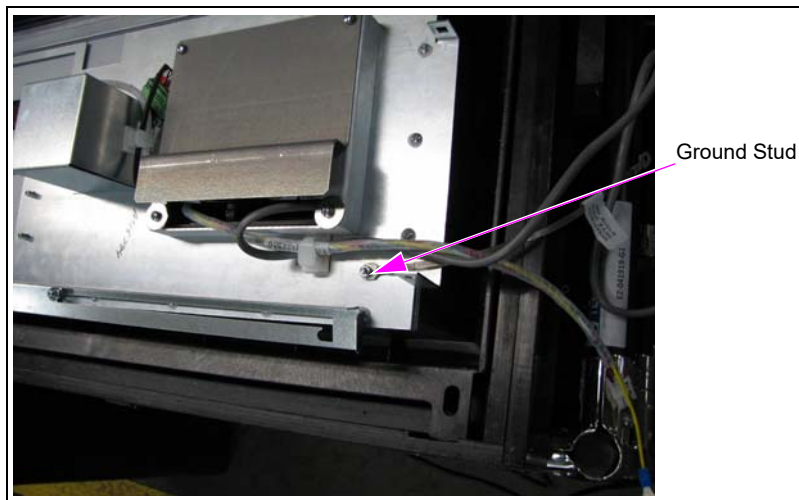
The bezel is now removed from the unit. Move the existing bezel to a place where the components can be transferred into the new replacement bezel assembly.

Transferring Atlas PRIME Components to New Bezel Assembly

To transfer Atlas PRIME components to a new bezel assembly, proceed as follows:

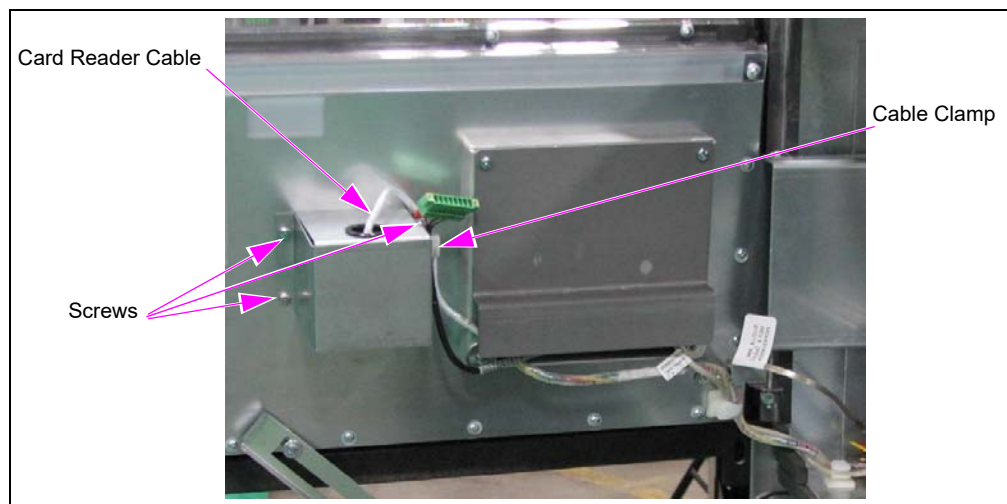
- 1 Remove the M4 nut from the ground stud. Remove the ground wire and the lock washer from the ground stud.

Figure 12: Ground Stud



- 2 Install the lock washer onto the ground stud of the new assembly. Connect the ground wire and the M4 nut onto the ground stud. Secure tightly.
- 3 Disconnect the card reader cable from the card reader. Remove cables from the cable clamp.
- 4 Remove the four screws holding the card reader. Remove the card reader and adapter.

Figure 13: Card Reader Cable



- 5 Inspect the gasket on the card reader adapter. If it is damaged or torn, replace the gasket (M15796B001).

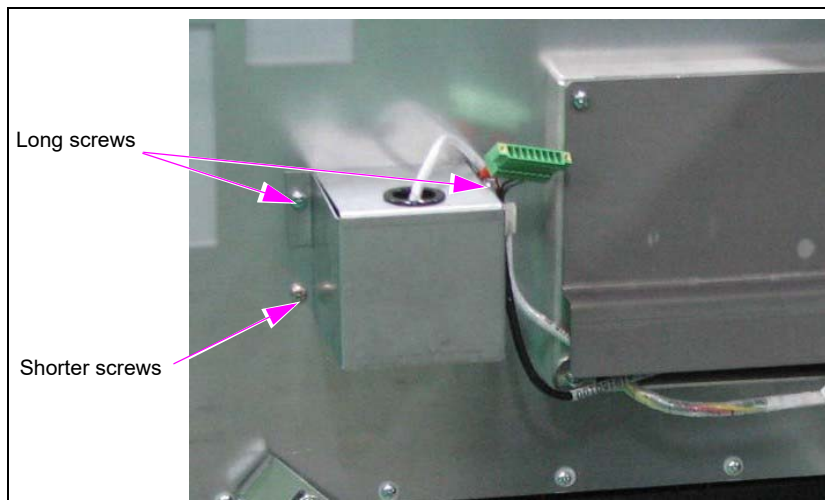
- 6 Install the card reader and adapter in the new bezel assembly. Ensure that the wider side of the adapter is toward the top of the bezel and the card reader is positioned as shown in the figure.

Figure 14: Card Reader and Adapter



- 7 Install the two shorter screws into the bottom two openings around the card reader. Tighten enough to ensure that the adapter is seated correctly in the front of the bezel assembly, but do not tighten all the way.

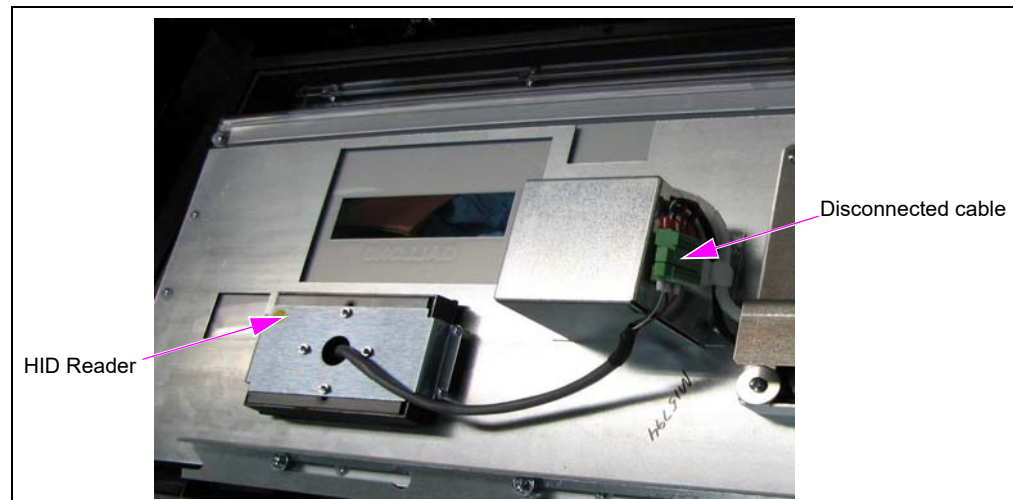
Figure 15: Card Reader and Adapter Assembly



- 8 Install the card reader cover over the back of the card reader with cable opening on the top.
- 9 Install the two longer screws through the card reader cover, bezel assembly, and into the adapter/card reader. Secure tightly.
- 10 Tighten the bottom two shorter screws.

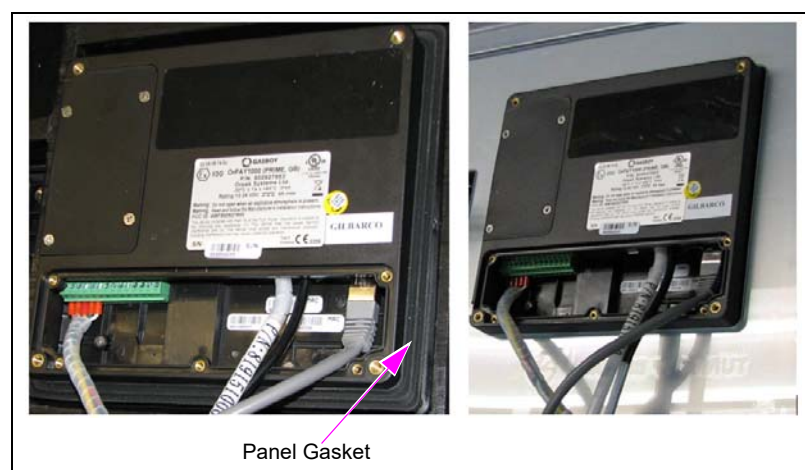
- 11 If the existing bezel assembly includes a HID reader, disconnect the cable to the HID reader. If the bezel assembly does not have a HID reader, then go to [step 14](#).

Figure 16: HID Reader



- 12 Remove the four screws holding the HID reader and remove the reader from the bezel assembly.
- 13 Attach the HID reader to the new bezel assembly using the screws removed in [step 12](#).
- 14 Remove the screws holding the payment panel to the existing bezel assembly. Remove the panel, panel gasket, panel cover, and panel collar from the existing bezel assembly.
- 15 Ensure that the panel gasket is positioned correctly (ribbed side of the gasket must be toward the bezel). Install the panel into the new bezel assembly.

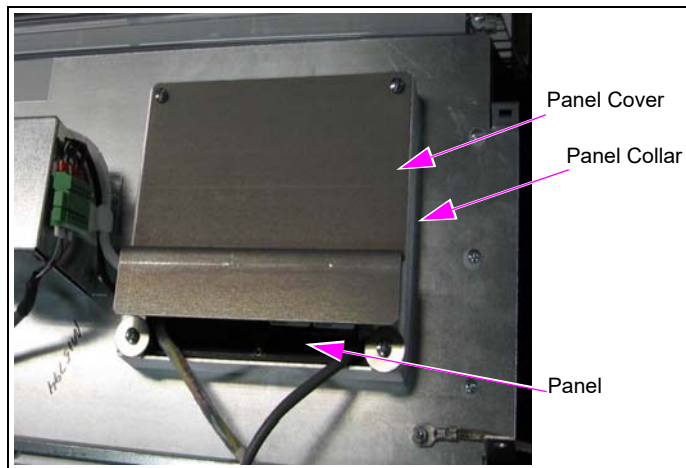
Figure 17: Panel Gasket



- 16 Feed the cables through the panel collar and fit the collar around the back of the panel. Install the two screws and washers into the bottom corners of the panel.

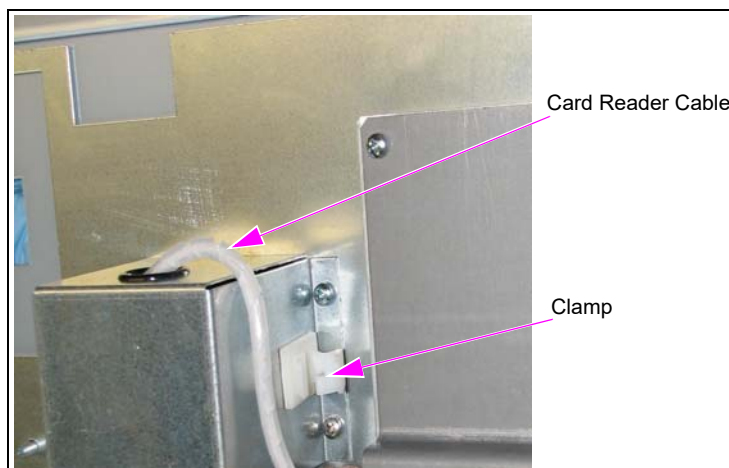
- 17 Install the panel cover and secure with screws in the top corner of the panel.

Figure 18: Panel Cover



- 18 Feed the card reader cable through the opening in the card reader cover. Connect the cable to the card reader.

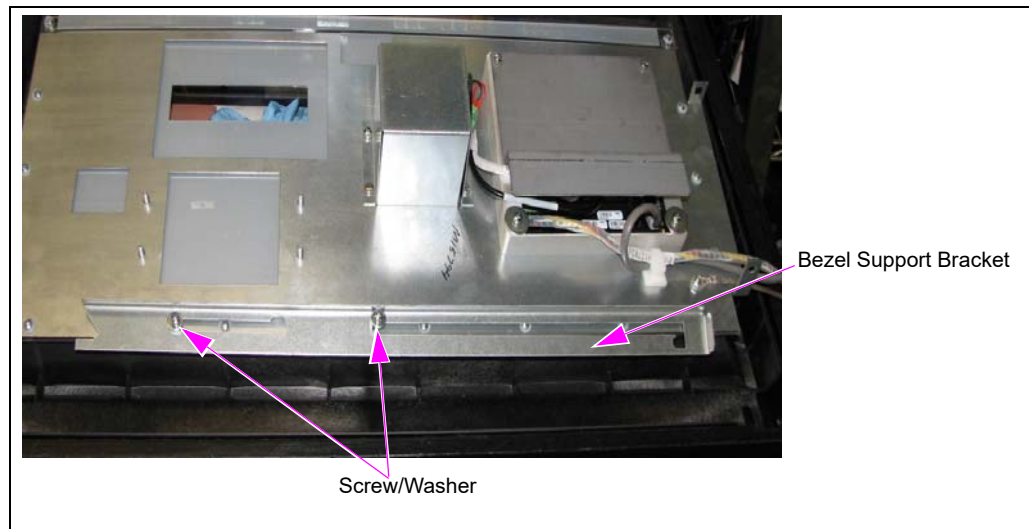
Figure 19: Card Reader



- 19 If a HID reader is present, connect it to the cable coming from the payment panel.
- 20 Secure the card reader cable. If a HID reader is present, secure the HID reader cable in the cable clamp on the card reader.

- 21** Remove the two screws/washers holding the bezel support bracket.

Figure 20: Bezel Support Bracket



- 22** Move the bezel support bracket to the new bezel assembly and secure using screws/washers removed in [step 21](#).

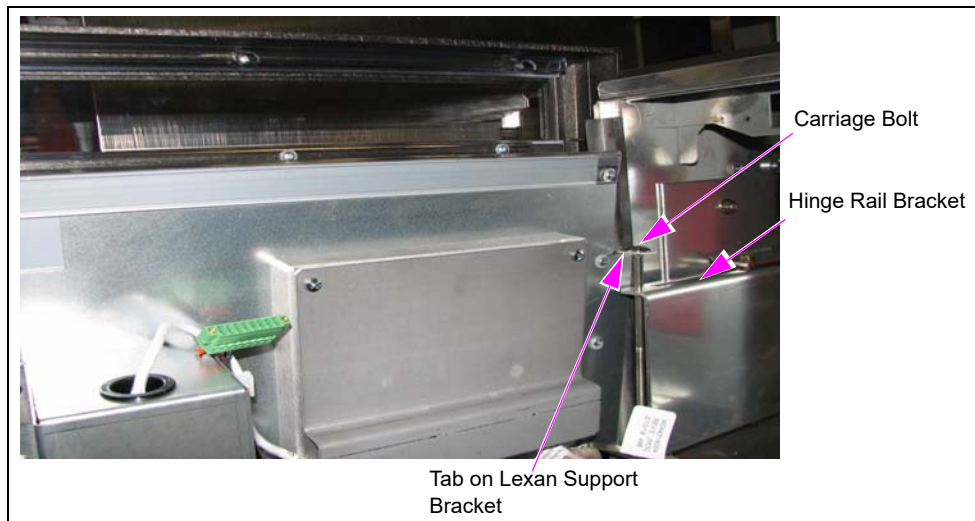
Transfer of the Atlas PRIME components to the new bezel assembly is now complete.

Installing Atlas PRIME Bezel

After installing all the Atlas PRIME components, the new bezel must be installed on the pump/dispenser. To install the new bezel, proceed as follows:

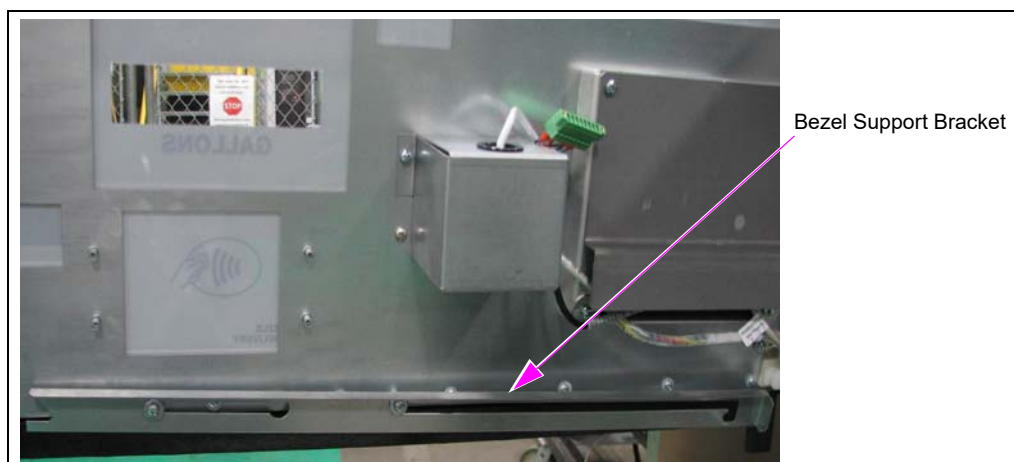
- 1 With the hinge rail bracket extended, hold the new bezel up to the unit with the payment panel end closest to the unit.

Figure 21: New Bezel Assembly



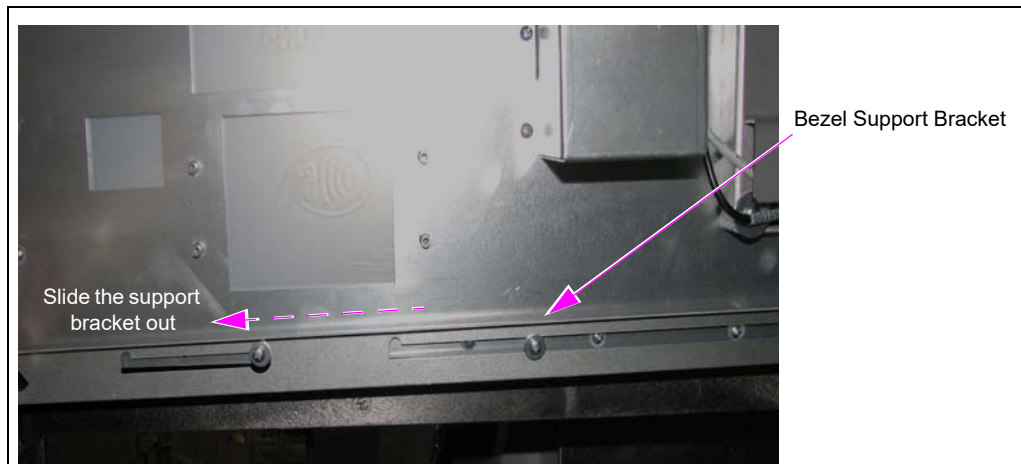
- 2 Align the holes in the lexan support bracket tabs with those in the hinge rail bracket and insert the carriage bolt.
- 3 Locate the bezel support bracket on the inside lower part of the bezel assembly.

Figure 22: Bezel Support Bracket



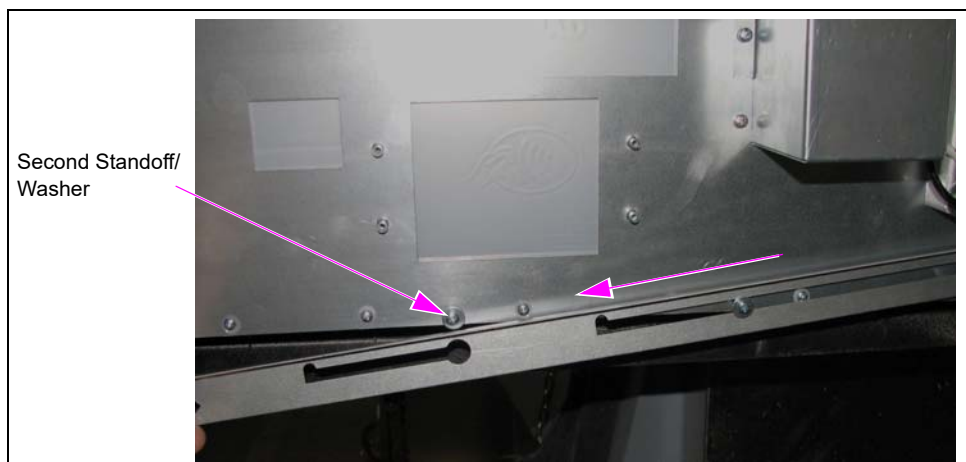
- 4 Lift and slide the support bracket out until there is no room for movement.

Figure 23: Bezel Support Bracket



- 5 Unhook the bracket from the second standoff/washer and continue to slide the bracket out until there is no room for movement.

Figure 24: Bezel Support Bracket



- 6 Swing the bezel support bracket around and place the end into the frame opening.

Figure 25: Bezel Support Bracket

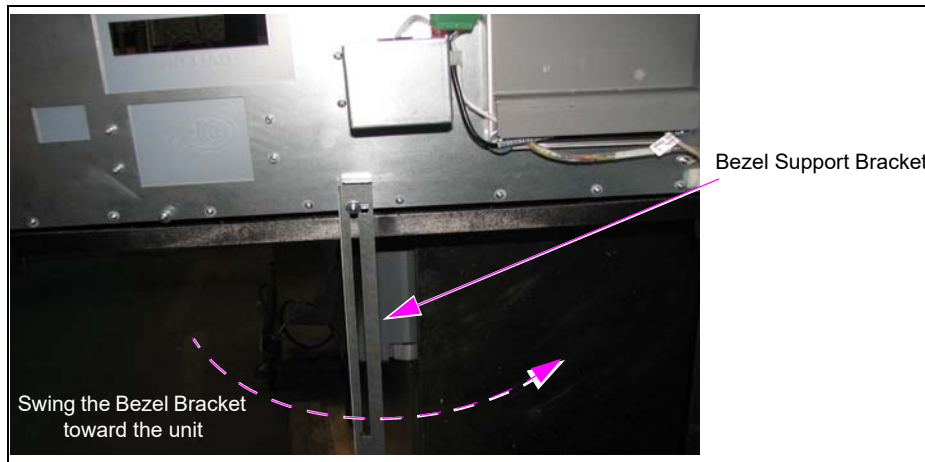
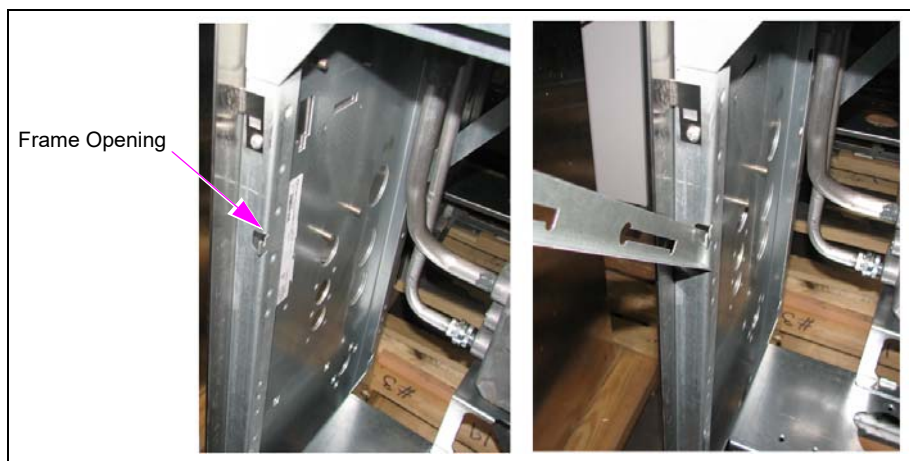
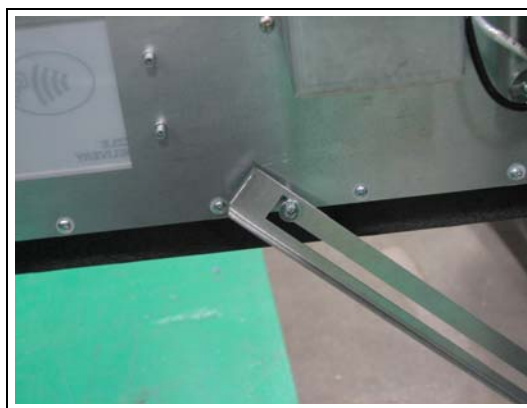


Figure 26: Frame Opening



- 7 Ensure that the top of the bracket is positioned correctly and supports the bezel.

Figure 27: Bezel Support Bracket



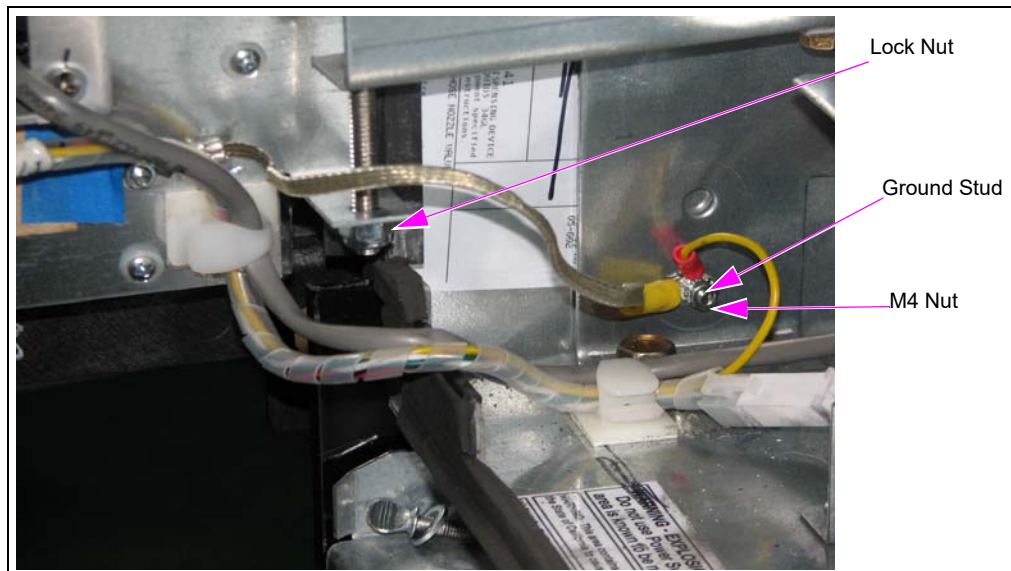
- 8 Release the end of the bezel. The bracket will now support the bezel assembly.

Figure 28: Bezel Assembly



- 9 Attach the lock nut to the carriage bolt and tighten until the end of the bolt is sticking out of the nut.

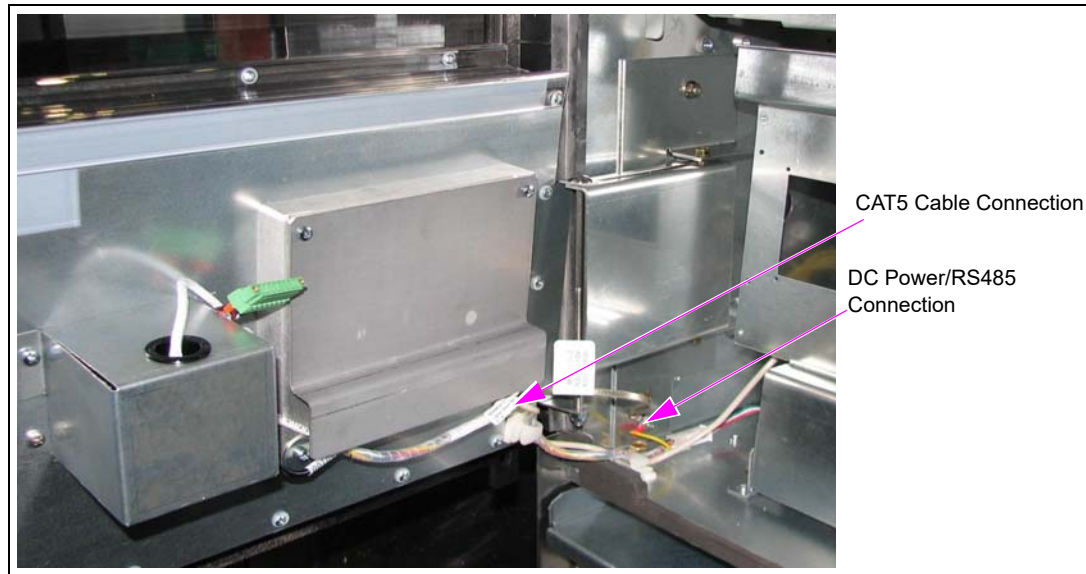
Figure 29: Attaching Lock Nut to Carriage Bolt



- 10 Inside the unit, place the external tooth lock washer on the ground stud. Attach the ground wires from the bezel and secure with the M4 nut.

- 11 Connect the DC power/RS485 cable from the bezel to the cable from the unit.

Figure 30: Frame Opening



- 12 Connect the CAT5 cable to the payment panel.
- 13 Dress the cables by placing them in existing cable ties or clamps. Ensure that the cables do not create any obstruction while operating, accessing, or servicing.

Installation of the new Atlas PRIME bezel is now complete.

Atlas® is a registered trademark of Gasboy International. Gasboy® is a registered trademark of Gasboy International. NEC® and NFPA 70® are registered trademarks of the National Fire Protection Association. Phillips® is a registered trademark of The Phillips Screw Co. Tedlar® is a registered trademark of DuPont.

