



Introduction

Purpose

The purpose of the Single Standard Pump/Dispenser Inlet Centering Kit (M07676K00X) is to provide a method for centering the product inlet on standard Atlas® single product models during unit installation. This will provide the unit with a 2-inch NPT-centered connection, and it can be used on Atlas single product or Twin 1 product (TW1) models.

Note: The Model 52 Pressure Regulator Valve is rated for a single pumping unit, limited to a flow rate of less than 25 GPM. Using a single valve with the M07676K00X kit will result in reduced flow rates when both hoses are operated at the same time. For optimal flow rates, split the incoming line to two Model 52 valves and connect each to a separate pumping unit.

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Kits

Part Number	Description
M07676K001	Atlas Standard Dispenser Inlet Centering Kit
M07676K002	Atlas Standard Pump Inlet Centering Kit

Required Tools

The following tools are required for the installation of M07676K00X kits:

- Allen® Wrench, Metric
- Gloves, Rubber
- Grease, Silicone
- Ratchet Set, Metric
- Wrench Set, Metric Open-end

Parts List

The following table lists the parts included in the Single Standard Dispenser Inlet Centering kit (M07676K001).

Item	Description	Part Number	Quantity
1	Inlet Manifold	M05347B010	1
2	M10 X 25 Socket Head Screw	M04973B005	6
3	M10 Lock washer	M01071B001	6
4	Gasket	M06101B001	2
5	Dispenser Manifold Blanking Spacer	M07671B001	1
6	M6 X 25 Flanged Screws	M00415B016	3

The following table lists the parts included in the Single Standard Pump Inlet Centering kit (M07676K002).

Item	Description	Part Number	Quantity
1	Inlet Manifold	M05347B010	1
2	M8 X 16 Flanged Screw	M00415B009	2
3	M10 Lock washer	M01071B001	6
4	M10 X 25 Socket Head Screw	M04973B005	6
5	Gasket	M06101B001	2
6	Pump Manifold Blanking Plate	M07675B001	1

Related Documents

Document No.	Title	GOLD SM Library
MDE-4255	Gasboy [®] Warranty Policy Statement	Gasboy Commercial & Retail Pumps
MDE-4331	Atlas Fuel Systems Installation Manual	Gasboy Commercial & Retail Pumps
MDE-4333	Atlas Fuel Systems Site Preparation Manual	Gasboy Commercial & Retail Pumps
MDE-4334	Atlas Start-up/Service Manual	Gasboy Commercial & Retail Pumps

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 its Greensboro location.

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 Gasboy 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 Gasboy Authorized Service Contractor or call the Gasboy Support Center at 1-800-444-5529. 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 Gasboy replacement parts and retrofit kits on your pump/dispenser. Using parts other than genuine Gasboy 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 fluid 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

In the event of inclement weather, including snow, ice, or flooding that makes driving conditions dangerous, please avoid servicing units. Always use available door stops to secure upper doors against unwanted/unexpected movement, especially during high winds. If necessary, reschedule service to avoid damage to the equipment. Weather may change unexpectedly; be aware of local weather conditions. During service, if conditions develop making service unsafe, close the unit(s) and proceed to a safe location.

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.

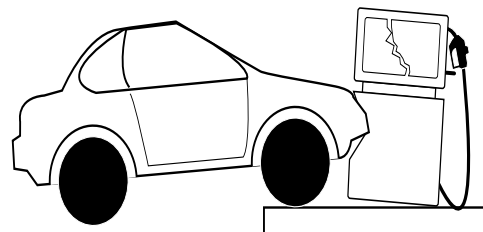
Lockout/Tagout

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.

Hazards and Actions

 WARNING	
	Spilled fuels, accidents involving pumps/dispensers, or uncontrolled fuel flow create a serious hazard.
	Fire or explosion may result, causing serious injury or death. Follow established emergency procedures. DEF is non-flammable. However it can create a slip hazard. Clean up spills promptly.

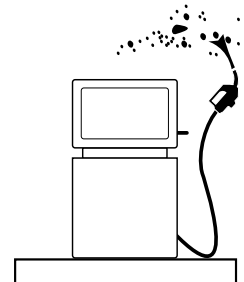
The following actions are recommended regarding these hazards:



Collision of a Vehicle with Unit



Fire at Island



Fuel Spill

- Do not go near a fuel spill or allow anyone else in the area.
- Use station EMERGENCY CUTOFF immediately. Turn off all system circuit breakers to the island(s).
- Do not use console E-STOP, ALL STOP, and PUMP STOP to shut off power. These keys do not remove AC power and do not always stop product flow.
- Take precautions to avoid igniting fuel. Do not allow starting of vehicles in the area. Do not allow open flames, smoking or power tools in the area.
- Do not expose yourself to hazardous conditions such as fire, spilled fuel or exposed wiring.
- Call emergency numbers.

Installation of the Kit

Note: The M07676K00X kits are installed at the time of initial unit installation. If the kits are to be retrofitted onto units that are already in use, consult and follow MDE-4334 Atlas Start-up/Service Manual for safety, purging, and shut-down procedures.

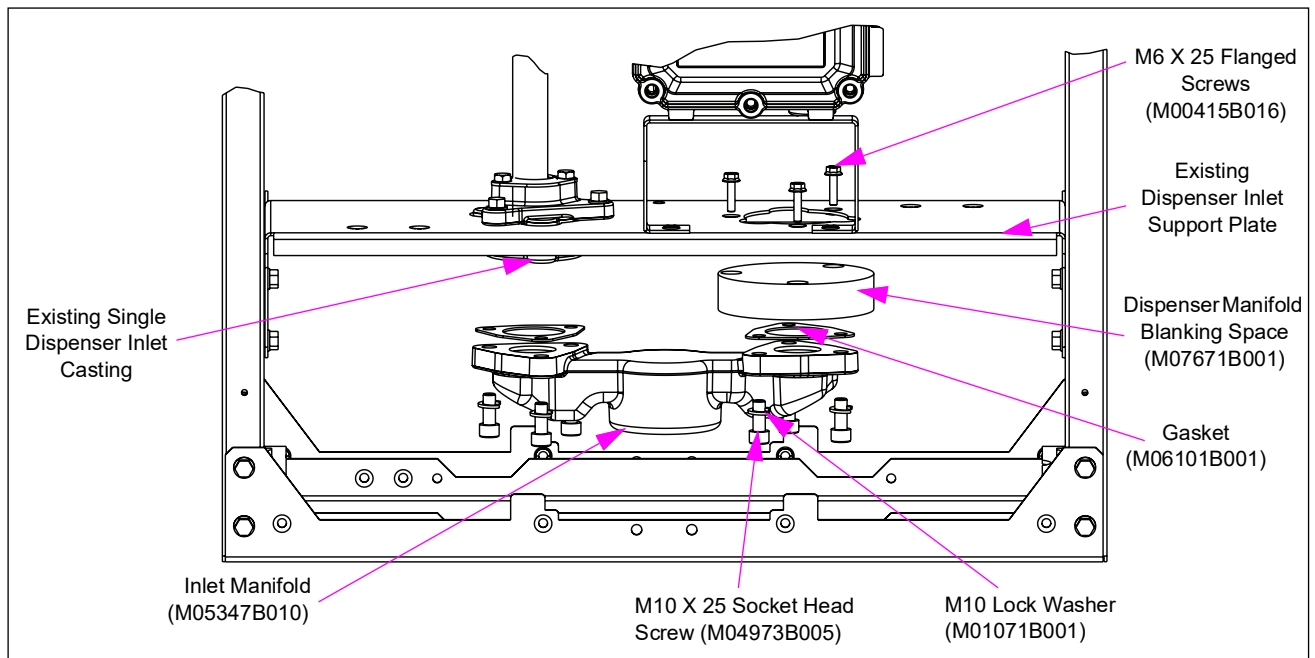
Installing the M07676K001 Kit on a Dispenser

To install the M07676K001 kit on a dispenser, proceed as follows:

- 1** Attach the Manifold Blanking Spacer (M07671B001) to the underside of the existing inlet support plate. Secure it with three Flanged Screws (M00415B016) and tighten.
- 2** Lightly apply grease to the bottom faces of both the blanking spacer and the existing dispenser inlet casting.
- 3** Lightly apply some grease to both discharge flanges of the Inlet Manifold (M05347B010).
- 4** Attach the two Gaskets (M06101B001) to the flanges in the mating position.
- 5** With gaskets in place, attach the manifold to the dispenser inlet casting and secure using three Lock Washers (M01071B001) and three Socket Head Screws (M04973B005). Tighten the screws to a snug fit; do not overtighten.
- 6** Secure the opposite end of the manifold to the manifold blanking spacer using three Lock Washers (M01071B001) and three Socket Head Screws (M04973B005).
- 7** Tighten all the six screws that attach the manifold to the inlet casting and blanking spacer.

- 8 Check for leaks upon initial operation of the unit.

Figure 1: Installing the M07676K001 Kit



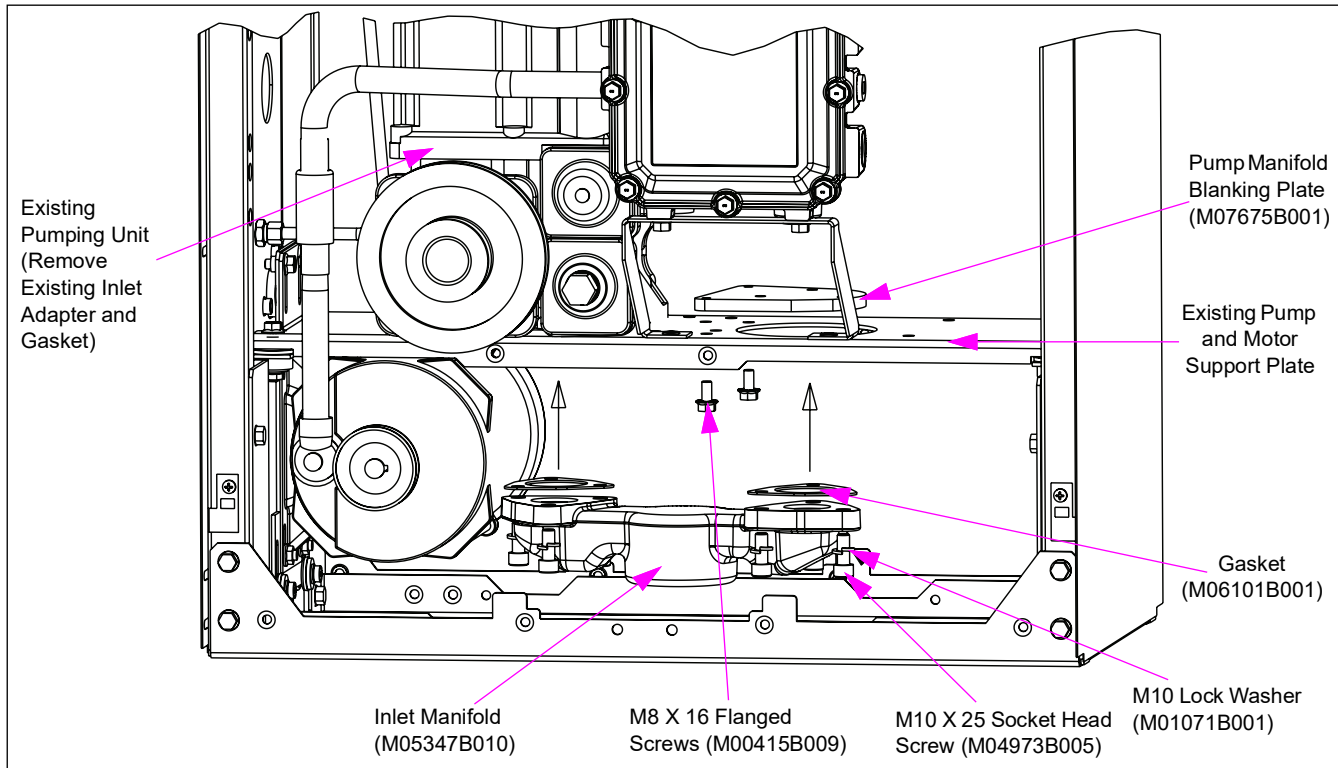
Installing the M07676K002 Kit on a Self-contained Pump

To install the M07676K002 kit on a self-contained pump, proceed as follows:

- 1 Remove the three Bolts and Lock Washers that attach the existing pump Inlet Adapter and Gasket. Discard the Adapter, Gasket, and hardware.
- 2 Lightly apply some grease to both discharge flanges of the Inlet Manifold (M05347B010).
- 3 Attach two Gaskets (M06101B001) to the flanges in the mating position.
- 4 Lightly apply grease to the face of the existing pump inlet.
- 5 With the Gasket in place, attach the manifold to the pump inlet and secure using three Lock Washers (M01071B001) and three Socket Head Screws (M04973B005). Tighten the screws to a snug fit; do not overtighten.
- 6 With the Gasket in place on the manifold face opposite the pump, lightly grease the mating face of the Manifold Blanking Plate (M07675B001) and place it on top of the pump and motor support plate.
Note: The Manifold Blanking Plate is not symmetrical and will fit only one way when bolts are attached.
- 7 Secure the Manifold Blanking Plate to the manifold using three Lock Washers (M01071B001) and three Socket Head Bolts (M04973B005). Tighten them to a snug fit; do not overtighten.

- 8 Secure the Blanking Plate to the underside of the pump and motor support plate using two Flanged Screws (M00415B009) and tighten.
- 9 Tighten all the six screws that attach the manifold to the pump and blanking plate.
- 10 Check for leaks upon initial operation of the unit.

Figure 2: Installing the M07676K002 Kit



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