

# Installation

## Snap-In Bezel Membrane Switch Installation Instructions (K94555-01)

### Introduction

Use these instructions to replace membrane switches on units manufactured after May 1997. This work must be completed by a Gilbarco Authorized Service Contractor (ASC). Read all instructions carefully before beginning the procedure.

### Parts List

Kit K94555-01 contains the following parts.

Description	Part Number	Quantity
Membrane switch	T19684-03	6
Screw, 7/16"	Q12585-61	22

### Related Documents

MDE-2531 Pump & Dispenser Start-Up & Service Manual  
PT-1728 The Advantage<sup>®</sup> Series Illustrated Parts Manual

## Safety Information



### Alert Symbol

This is a standard alert symbol.

When you see this symbol, be alert to the potential for personal injury.

### Signal Words

The following signal words are used to alert you of important safety hazards and precautions.



### Safety Symbols

The following safety symbols are used throughout this manual to alert you to important safety hazards and precautions.



#### Explosive

Fuels and their vapors are extremely explosive if ignited.



#### Flammable

Fuels and their vapors are extremely flammable.



#### Electricity

High voltage exists in, and is supplied to, the dispensing device. A potential shock hazard exists.



#### No Smoking

Sparks and embers from burning cigarettes or pipes can ignite fuels and their vapors.



#### No Open Flames

Open flames from matches, lighters, welding torches, etc. can ignite fuels and their vapors.



#### No Power Tools

Sparks from power tools (such as drills) can ignite fuels and their vapors.



#### No Vehicles In The Area

Moving vehicles in the area during service can create a potential for personal injury to you or others. Sparks from starting vehicles can ignite fuels and their vapors.



#### No People In The Area

Unauthorized people in the area during service can create a potential for personal injury to you and them.



#### Use Safety Barricades

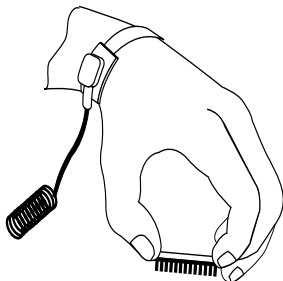
Unauthorized people or vehicles in the work area are dangerous. Always use safety cones or barricades, safety tape and your vehicle to block the work area.

### Electrostatic Discharge

Printed Circuit Boards (PCBs) and Integrated Circuits (ICs) are sensitive to electrostatic discharge caused by static electricity. Electrostatic discharge damages electronic components.

When removing PCBs or handling sensitive parts:

- Place yourself at a neutral, static-free potential. Touch a conductive metal frame or chassis.
- Use a wrist strap connected to a grounded metal frame or chassis.
- Place removed PCBs and/or ICs on a grounded anti-static mat.
- Place PCBs, to be returned for credit or repair, in anti-static bags.



## Read NFPA 30A and NFPA 70

Before servicing the equipment, read, understand and follow applicable information in the following codes:

- The National Electric Code (NFPA 70)
- The Automotive and Marine Service Code (NFPA 30A)
- Any national, state and local codes that may apply

The failure to service the equipment in accordance with NFPA 30A and NFPA 70 may adversely affect the safe use and operation of the system.

## Before You Begin

Read and understand the following information before installing this kit.



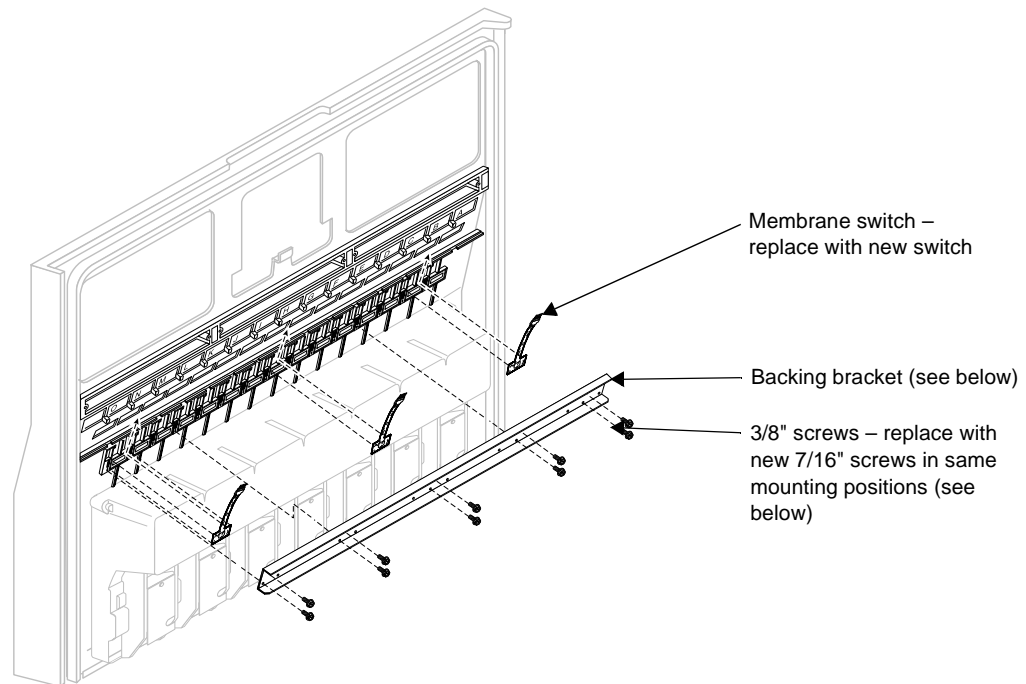
- 1 Read all instructions before beginning.
- 2 Follow all of the following safety precautions.
  - Barricade the work area.
  - Do not allow vehicles or unauthorized people in work area.
  - Do not smoke or have open flames in work area.
  - Do not use power tools in work area.
- 3 Record all electronic and mechanical totals.
- 4 Turn off all power to unit, unit lights and STPs.
  - Use system circuit breakers.
  - Multiple disconnects may be required.
  - Isolate each pump at distribution box.
- 5 Follow proper electrostatic discharge (ESD) procedures.
  - Place yourself at a neutral, static-free potential. Touch a conductive metal surface.
  - Use a wrist strap connected to a grounded metal frame or chassis.

## Installing New Membrane Switch

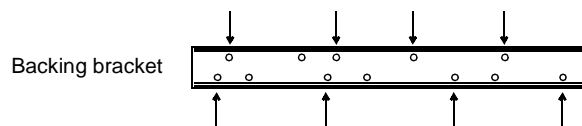
- 1 Open Side A main access door. See MDE-2531 for instructions.
- 2 Remove switch backing bracket by removing all 3/8" screws. Discard 3/8" screws.

*Note: Note the position where each screw is removed. Use these same mounting holes to install new screws in step 4.*

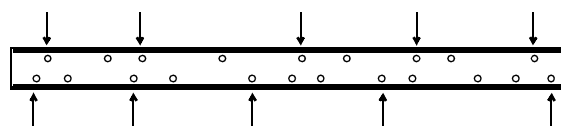
- 3 Remove existing membrane switches. Replace with new membrane switches.
- 4 Reinstall switch backing bracket using new 7/16" screws.



Install 8 screws in alternating positions (36" frame):



Install 10 screws in alternating positions (48" frame):



- 5 Repeat procedure for Side B.
- 6 Close and lock main access door(s).
- 7 Restore power. See MDE-2531 for instructions.
- 8 Test each grade select button for correct operation. See MDE-2531 for more information.

