

BevMax Picker Cup Magnetic Sensor Retrofit Kit

Read and Follow ALL Safety Instructions

Safety Overview

- Read and follow **ALL SAFETY INSTRUCTIONS** in this manual and any warning/caution labels on the unit (decals, labels, or laminated cards.)
- Read and understand ALL applicable **OSHA** (Occupational Safety and Health Administration) safety regulations and/or national and local codes before operating this unit.

Recognition



Recognize Safety Alerts

This is the safety alert symbol. When you see it in this manual or on the unit, be alert to the potential of personal injury or damage to the unit.

Different Types of Alerts



DANGER:

Indicates an immediate hazardous situation while, if not avoided, **WILL** result in serious injury, death, or equipment damage.



WARNING:

Indicates an immediate hazardous situation while, if not avoided, **COULD** result in serious injury, death, or equipment damage.



CAUTION:

Indicates an immediate hazardous situation while, if not avoided, **MAY** result in serious injury, death, or equipment damage.

Tools Required

- None

Parts Included

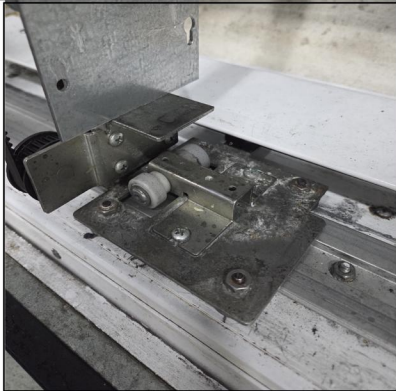
Quantity	Description	Image
1	BevMax 2/BevMax 3 Magnet Holder	 A white, L-shaped plastic magnet holder with a circular magnet mounted on the vertical leg, resting on a dark wood-grain surface.
1	BevMax 4/BevMax 6 Magnet Holder	 A white, triangular plastic magnet holder with a circular magnet mounted on its top surface, resting on a dark wood-grain surface.

WARNING:

This kit is **NOT** compatible with the Dixie Narco/Crane BevMax Picker Cup Magnet Home Switch Upgrade Kit.

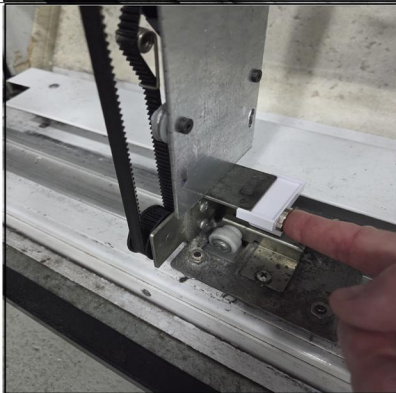
The use of this kit in addition to the Dixie Narco/Crane kit could result in damage to the kit components and/or the machine as a whole.

Installation for BevMax 2/3 Machines



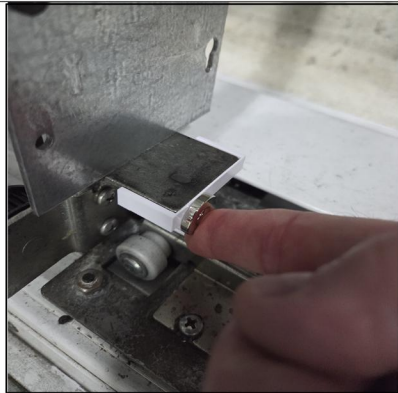
Step 1:

Ensure the Picker Cup gantry is clean and **clear of any debris or syrup** that may be present.

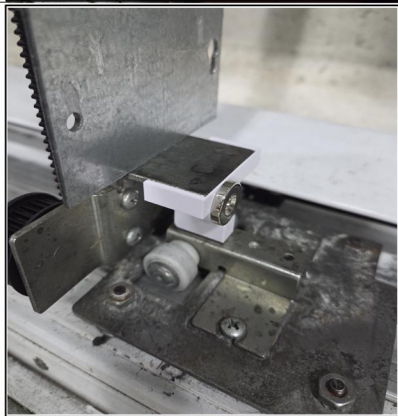


Step 2:

Insert the BevMax Magnet Holder at a slight angle, with the overhang of the gantry meshing into the top of the holder.

**Step 3:**

Push the BevMax Magnet Holder back into the gantry; **it should be a tight fit.** The holder should mesh flat with the overhang and bottom of the gantry. **The small dome on the bottom of the holder should slip into the left-most hole, securing it in place.**

**Step 4:**

Ensure the BevMax Magnet Holder is secure in its position and **flush with the gantry edge.**

Installation for BevMax 4 & 6 Machines



Step 1:

Ensure the Picker Cup gantry is clean and **clear of any debris or syrup** that may be present.



Step 2:

Place the BevMax Magnet Holder into the gantry, inserting the protruding cylinder into the hole and **ensuring it lays flat**.

Magnetic Sensor install for BevMax 2, 3, 4, 6 picker cups.

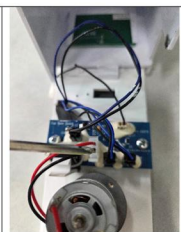
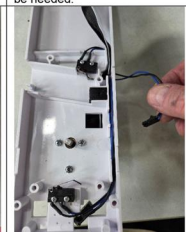
The following instructions are the procedures for installing the magnetic sensor into the picker cup. Read through these steps before beginning. Failure to follow these instructions can result in damage to the sensor or picker cup. It is not recommended to use a powered driver with small screws on the switch and sensor. Over tightening of these screws will strip the plastic and cause the picker cup to malfunction.

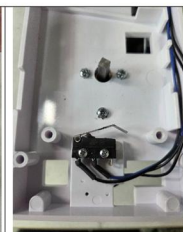
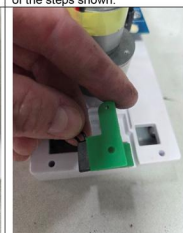
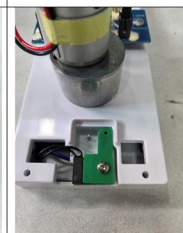
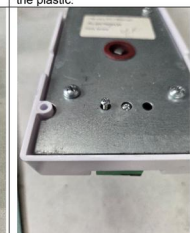
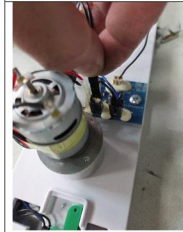
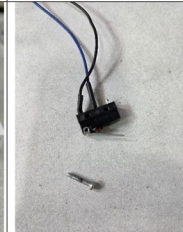
Tools needed:

- PH1 and PH2 Phillip screwdriver
- Side snips
- Pliers or small adjustable wrench

Included in kit for this part of installation:

- 1x Magnetic sensor
- 1x Green sensor mounting tab
- 2x Oversized screw
- 1x Zip tie

			
Using a PH2 bit, remove the two screws on front cover.	Remove bottle sense wire to fully remove cover. Pliers may be needed.	Using a PH1 bit, remove two screws on cup home switch.	Unplug switch by pinching the release tab against connector housing and pull out.
			
Using PH2 bit, remove the four screws on back cover plate.	Unseat the home switch. Pull the wire through the slit on the side of the body. Other wires may interfere, move wires as needed.	Pull out switch from behind the housing, pulling the wire through the hole.	Place the new sensor through the lower right hole. Allow about two inches of wire behind the sensor to work with. Excess slack will be pulled through later.

			
Reroute wires back to previous route.	Note the screw style. If flange head, install sensor before installing the back plate. In this picture, a panhead is shown and you can continue in order of the steps shown.	Install back plate with the four mounting screws. Take note of the wire routing in the upper right corner to prevent pinching and damage.	At the bottom of the back plate, back the left switch screw out. If this was a flange screw, attempting to remove while the black plate is installed will strip the plastic.
			
Mount the sensor base using 1 of the 2 supplied screws in the left recessed hole. DO NOT OVER TIGHTEN.	Attach sensor to mounting bracket.	Mount sensor with supplied oversized screw. DO NOT OVER TIGHTEN.	Use index finger to apply pressure to the top of tab and tighten screw on backside.
			
Pull wire slack, plug in, zip tie switch wires. Do not tie bottle sensor wire. Attach bottle sensor wire to base cover.	Sensor will look like this when complete.	Leftover parts will be one switch and two screws.	