Technical Bulletin

Volume 22, Issue 02, June, 2015

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CED Product Line Compressor Conversion

Technical Bulletin Reference No. 2202-001

Tecumseh, the compressor supplier for Lancer's CED Product Line, has standardized the location of the inlet and outlet product lines of their compressors.

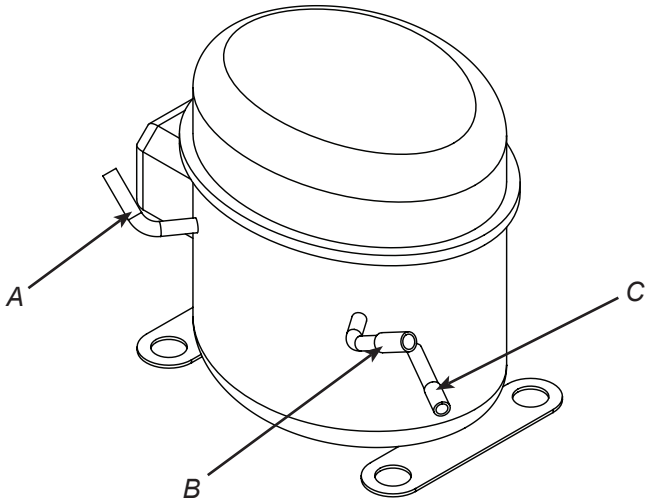
The compressors are the same, relating to performance, but the suction, discharge, and process lines have all been standardized, requiring Lancer to adapt to the new line locations and changing the line configurations, or the deck assembly design to incorporate the new compressor.

With keeping the same overall dimensions on the dispensers a requirement, backward compatibility for repair of older units requires a kit based on one of the options listed below:

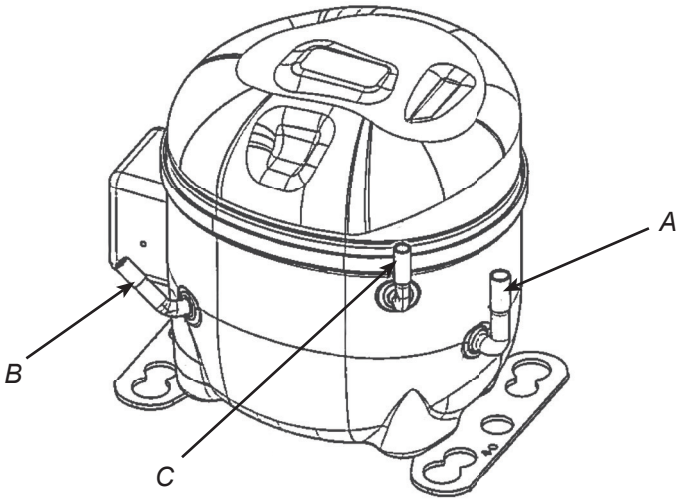
Dispenser	Required Change
CED 1500 Delta	Keep the compressor in the same location. Requires new suction, discharge and process lines.
CED 500	Change the orientation of the compressor, requiring new suction, discharge, and process lines, along with a new base plate. Requires entire deck assembly to be replaced
FCOJ 2 Valve and 4 Valve	Change the orientation of the compressor or other deck assembly components. Requires entire deck assembly to be replaced.

Compressor Comparison:

Old Compressor



New Compressor



A. Suction Port
B. Process Port
C. Discharge Port

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Kit Part Numbers:

Description	Kit Part #	Lancer Compressor Part #	Deck Assy
Kit,1500,115/60 Hz, 1/3	82-4921	83-0071-01	n/a
Kit, Delta, 115/60 Hz, 1/3	82-4929	83-0071-01	n/a
Kit 4V FCOJ, 115/60 Hz, 1/3	82-1542/02-SP	83-0071-01	82-1542/02
Kit, 1500, 220/50 Hz, 1/3	82-4919	83-0076-01	n/a
Kit, Delta, 220/50 Hz, 1/3	82-4920	83-0076-01	n/a
Kit, 500, 115/60 Hz, 1/4	82-2662/01-sp	83-0069-01	82-2662/01-sp
Kit, 2V FCOJ, 115/60 Hz, 1/4	Pending - SP number	83-0069-01	Pending
Kit, 500, 220/50 Hz, 1/4	82-2665/01-sp	83-0070-01	82-2665/01-sp

Requires entire deck assembly to be replaced

Compressor Conversion:

Old Tecumseh Model #	Old Lancer Part #	New Tecumseh Model #	New Lancer Part #	Models	Voltage	Notes
AEA3440YXA	83-0033-01	AE3440Y-AA1A	83-0071-01	Delta, 1500, 4V FCOJ	115/60, 1/3 HP	
AEA4440YXD AEA3440YXC	83-0038 83-0034-01	AE4440Y-XN1A	83-0076-01	Delta, 1500	220/50, 1/3 HP 230/60, 1/3 HP	consolidated
AEA4430YXA	83-0045-01	AE4430Y-AA1A	83-0069-01	500, 2V FCOJ	115/60, 1/4 HP	
AEA4430YXD	83-0046-01	AE4430Y-XN1A	83-0070-01	500	220/50, 1/4 HP 230/60, 1/4 HP	

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BOM Items:

	Kit Part # 82-4921	Kit Part # 82-4929	Kit Part # 82-4919	Kit Part # 82-4920
Suction	47-6223	47-6216	47-6223	47-6216
Discharge	47-6222	47-6217	47-6222	47-6217
Overload	12-0611	12-0611	12-0606	12-0606
Relay	12-0612	12-0612	12-0607	12-0607
Cover	05-3319	05-3319	05-3319	05-3319
Start Cap	n/a	n/a	12-0608	12-0608
Lead Wire	n/a	n/a	21-1024	21-1024
Screws	n/a	n/a	04-1700	04-1700
Cap Bracket	n/a	n/a	30-12090	30-12090
Comp End Cap	n/a	n/a	05-3320	05-3320

New LEV 3.0 Diffuser

Technical Bulletin Reference No. 2202-002

There has been a change to the LEV 3.0 diffuser in order to decrease the foam height of the finished drink. The physical appearance will transform but the change is fully backward compatible.

The new part (05-3261) will be used in all LEV 3.0 assemblies listed below:

19-0077/03R	54-0132	82-1163/05
19-0118/01R	54-0132-SP	82-2222/04
19-0120/02R-2	78-0001/04	82-2222/05
19-0198/03R	78-0066/01	82-2319/05
19-0359/03R	78-0068/01	82-2321
19-0513/03	82-0478/01	82-2518/01
19-0527/03	82-0651/01-SP	82-2607
19-0528/03	82-1162/05	

Old Diffuser
PN: 05-1593/02

New Diffuser
PN: 05-3231

Installing Water Button to CO_2 CED Units with Bottom Plate

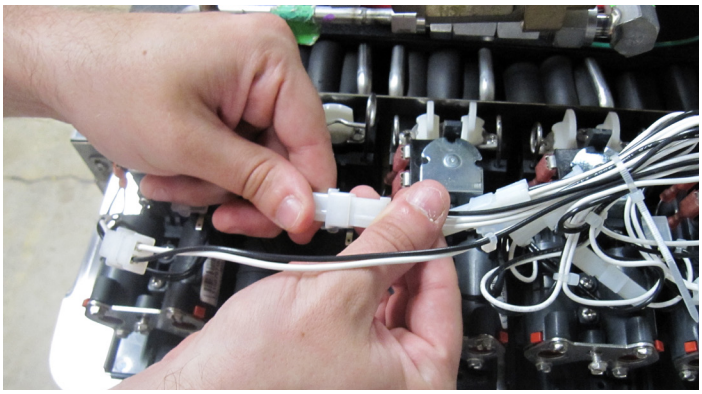
Technical Bulletin Reference No. 2202-003

Introduction

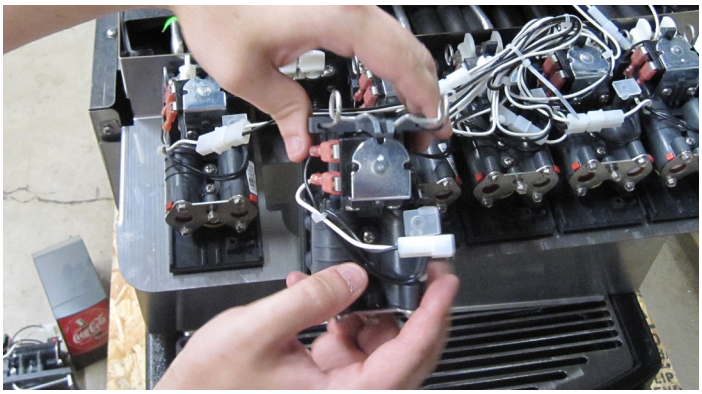
There have been phone calls from our technicians concerning the installation of water buttons to units that utilize a bottom plate for their valves. Technicians are having to remove all of the valves and the bottom plate in order to properly install one water button to one of the valves. Below are a set of instructions on how to install the water button without removing the bottom plate.

Installation

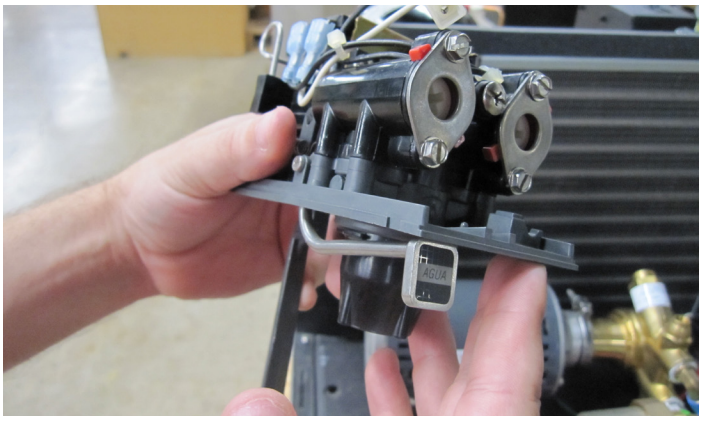
1. Unplug or turn off the dispenser.
2. Second, determine which valve needs the water button then unplug the wire harness connected to that valve.



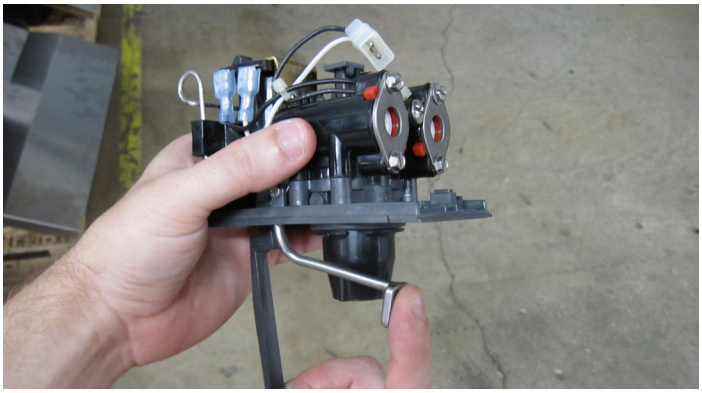
3. Continue to remove the valve from the bottom plate by rotating the valve stems on the back block and sliding up on the retainer clip.



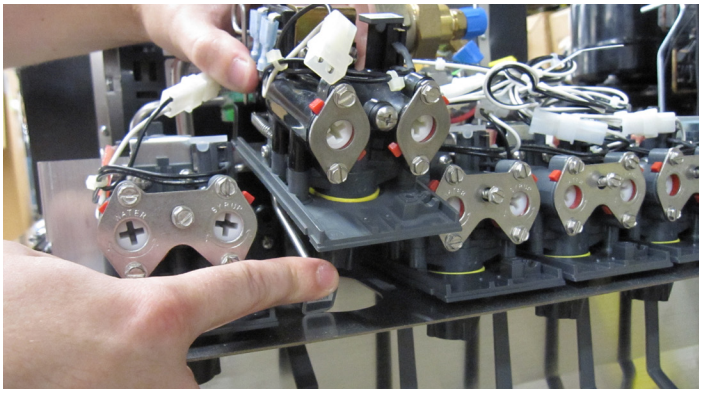
4. Once the valve is removed, install the water button as instructed.



5. Once the water button is installed to the valve, pull down all the way on the water button and hold.



6. While holding down on the water button, install the valve to the bottom plate by first sliding the connected water button into place before the rest of the valve.



7. Once the valve is in place, reattach the valve to the back block, slide the retaining clip back in place, re-engage the back block stems, and reconnect the wire harness.

Carbonator Reset Features

Technical Bulletin Reference No. 2202-004

Introduction

The Lancer carbonator has a time-out feature that, in the event of a disrupted inlet water flow, shuts off the motor after 3 minutes of unsuccessfully trying to pump water to fill carbonator. A disrupted water flow could be, for example, a problem with city water to the store. The Lancer carbonator now offers different options to reset the motor once water supply has been restored.

Content

Manual Reset (Position 1): Restart the motor, by simply pushing the reset button.

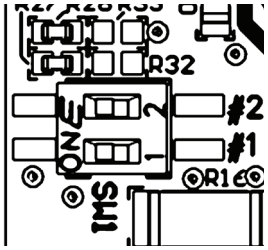
Auto Reset (Position 2): 15 minutes after the motor shuts off, the feature will try to restart the motor. If still no water, the auto reset feature will try every 15 minutes for 3 hours until successfully starting the motor. During those 3 hours, the time out LED will blink slowly. See below for Timeout LED location.

After 3 hours with no water supply the motor remains off until the water problem has been corrected, and the timeout LED will blink quickly.

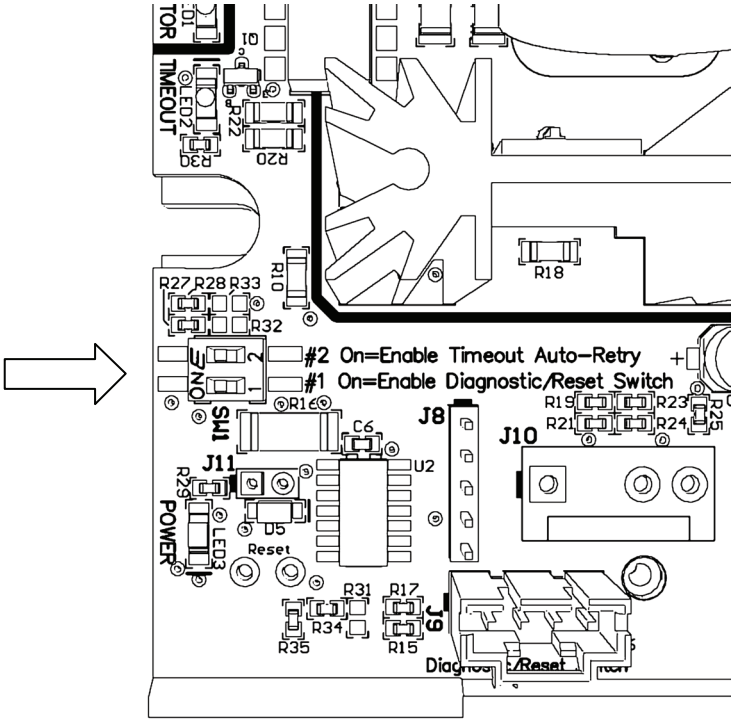
The default setting has both options, positions 1 and 2 enabled, so either will work.

If one option is preferred over the other, enable the position by turning the switch to “ON” and the other to “OFF”.

On



Off



** These switches can be switched with a small screwdriver or a ballpoint pen. Toward the edge of the board is ON, toward the center is OFF.