

INSTALLATION INSTRUCTIONS

FIELD INSTALLATION INSTRUCTIONS FOR KIT P/N 629097691

Conversion Of Fruitista To Standard Overrun Viper

SAFETY INSTRUCTIONS

WARNING:

Before starting installation, read and understand all safety label and warnings on the machine. Also review and understand all safety instructions in the owners, installation and service manuals.

Failure to comply could result in serious injury, death or damage to the equipment.

QUALIFIED SERVICE PERSONNEL

WARNING:

Only trained and certified electrical, plumbing and refrigeration technicians should service this unit.

All wiring and plumbing must conform to national and local codes. Failure to comply could result in serious injury, death or equipment damage.

SAFETY PRECAUTIONS

This unit has been specifically designed to provide protection against personal injury. To ensure continued protection observe the following:

WARNING:

Disconnect power to the unit before servicing. Follow all lock out/tag out procedures established by the user. Verify all power is off to the unit before performing any work.

Failure to comply could result in serious injury, death or damage to the equipment.

CAUTION:

Always be sure to keep area around the unit clean and free of clutter.

Failure to keep this area clean may result in injury or equipment damage.

INSTRUCTIONS

Supplied Parts List:

Table 1. Part List

Sl. No.	Part No.	Description	Quantity
1	621260373INS	Manl Install Viper 2 Brl	1
2	621260373OPR	Manl Operator Viper 2 Brl	1
3	620314869-100	Board Vpr Ctl_main V3.x Software	1
4	620314871-100	Board Vpr Ctl_ui Board V3.x	1
5	620047160-200	Switch Pcba Software 0-50psi 4	1
6	620047350	Harn Press Sensor Packard To M	3
7	620057123	Harness Switch Connector Exten	3
8	620047351	Harn 24vac 1/4" Fast-ons To Am	1
9	620720833	Screw Se 08-32 Paph 16 Stzi	2
10	70076	Nut Hex 08-32 Stca Keps 1/8	2
11	620059157	Brkt Enclosure Pr.transducer P	1
12	620042848	Label Wiring Schematic 3 Barrel	1
13	629097339INS	Manl Instl Viper Transducer 3	1
14	163506000	Tie Cable 4.5" Nt-70	4
15	620712019	Grommet Flexible Black 0.085"	.21'
16	620068352	Co ₂ Solenoid And Regulator Assembly	1
17	620068355	Expansion Tank Regulator Assembly	1
18	620068221	Barrel Fill Transducer Assembly	3
19	311908000	Clamp Oetiker 445open Stpls #11.3	20
20	312926000	Clamp 484open Stpls #12.3	10
21	77040200	Fitg-splicer 265tube Stn Stl	1
22	629097691INS	Manl Install Fruitista To Standard Conversion	1
23	90862	Label Syrup Generic S1	2
24	90863	Label Syrup Generic S2	2
25	90864	Label Syrup Generic S3	2
26	620062005	Bracket Drill hole template viper transducer	1

INSTALLATION PROCEDURE

Table 2. Installation Procedure

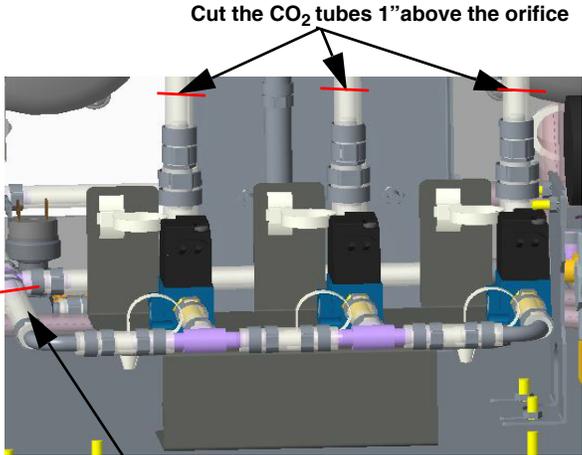
Step	Action	Figure
1.	Prior to beginning the conversion, perform any scheduled preventative maintenance and ensure the unit is in good working order.	
2.	Disconnect power from the unit. (unit may have to be pulled from wall to access electrical outlet)	
3.	Carefully move the unit away from the wall to gain access to the back (take caution not to bend or kink the syrup, CO ₂ and water lines) of the unit.	
4.	Remove the all side panels, rear panel and splash panel of the unit to gain the access.	 <p style="text-align: center;">FIGURE 27.</p>
5.	<p>Remove the CO₂ Solenoids</p> <p>A. To simplify reconnection later, label the wires leading to the solenoid valves from left to right 1 to 3.</p> <p>B. Disconnect the wires leading to the solenoid valves.</p> <p>C. On the CO₂ supply side (1 tube) cut the CO₂ tube 3"-3.25" from the fittings.</p> <p>D. One the solenoid side (3 tubes) cut the CO₂ tubes 1" above the orifice.</p> <p>E. Remove and keep the #8-32 keps nuts securing the solenoid bracket</p>	 <p style="text-align: center;">FIGURE 28.</p>
6.	<p>Install the CO₂ Solenoid and Regulator Assembly</p> <p>A. Install the CO₂ and Solenoid Regulator Assembly using #8-32 keps nuts.</p> <p>B. Connect the CO₂ supply tube (1) on the regulator side.</p> <p>C. Connect the CO₂ tubes (3) on the solenoid side.</p> <p>D. Connect the solenoid wires 1 to 3 from left to right.</p>	 <p style="text-align: center;">FIGURE 29.</p>

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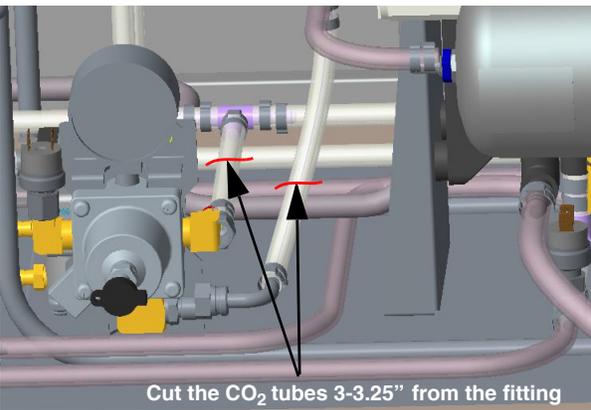
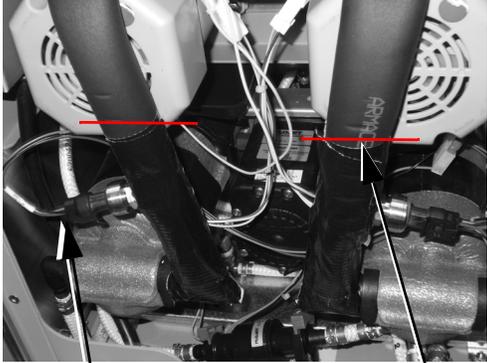
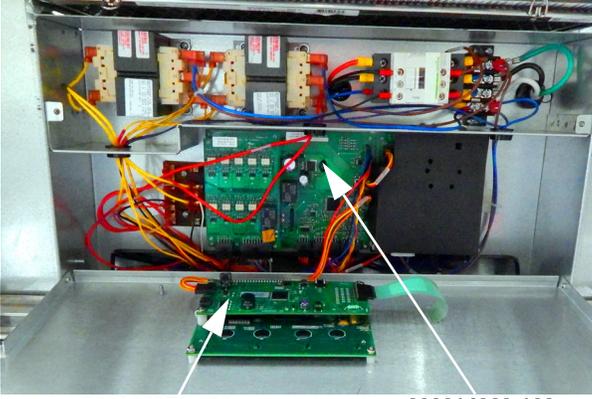
<p>7.</p>	<p>Remove the Expansion Tank Regulator Assembly</p> <p>A. Cut the CO₂ tubes on both sides of the assembly 3"-3.25" from the fittings.</p> <p>B. Remove and keep the #8-32 keps nuts securing the regulator bracket.</p>	 <p>Cut the CO₂ tubes 3-3.25" from the fitting</p> <p>FIGURE 30.</p>
<p>8.</p>	<p>Install the New Expansion Tank Regulator Assembly</p> <p>A. Install the new Expansion Tank Regulator Assembly using #8-32 keps nuts.</p> <p>B. Connect the CO₂ tubes on both sides of the assembly.</p>	 <p>FIGURE 31.</p>
<p>9.</p>	<p>Remove the Barrel Fill Transducer Assembly</p> <p>A. Disconnect the barrel fill transducer wire harnesses.</p> <p>B. Carefully peel back insulation from barrel fill transducers.</p> <p>C. Disconnect barrel fill transducer tubes from expansion tanks.</p> <p>D. Cut barrel fill transducer tubes 1" above the reducer fittings.</p>	 <p>Transducer wire</p> <p>Cut tubes 1" above the reducer fittings</p> <p>FIGURE 32.</p>
<p>10.</p>	<p>Install the New Barrel Fill Transducer Assembly</p> <p>A. Connect the barrel fill transducer tubing.</p> <p>B. Connect the barrel fill transducer tubes to the expansion tanks</p> <p>C. Reinstall the insulation</p> <p>D. Connect the barrel fill transducer wire harnesses</p>	 <p>FIGURE 33.</p>

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<p>11.</p>	<p>Replace the barrel transducer board 620047160-200. If the unit does not have a barrel pressure transducer board to swap, the installation kit for a new one is included (see 629097339INS). Edge guard is provided for routing wires through enclosure (if needed).</p>	 <p>FIGURE 34.</p>
<p>12.</p>	<p>Replace the main IO board 620314869-100 and UI board 620314871-100</p>	 <p>620314871-100 620314869-100</p> <p>FIGURE 35.</p>
<p>13.</p>	<p>Close the control box cover, replace the side and rear panels, position the unit and connect power (take care not to bend or kink the syrup, CO₂ and water lines when positioning the unit).</p>	
<p>14.</p>	<p>Follow instruction manual 621260373INS for initial Unit setup. Adjust settings for desired product. For approximately 45-55% overrun, set unit to viscosity 3, and CO₂ barrel regulators (in front of unit) to 25 psig. Some adjustments may be needed from product to product.</p>	