INSTALLATION INSTRUCTIONS

FCB Pinnacle Stator Assembly Replacement Kit (P/N 629087565)

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.

INSTALLATION INSTRUCTIONS

Part No.	Name	Qty.
560004868	Baldor Drive Stator	1
620043116	End Cap	1
620317419	Replacement Hall Sensor Harness	1
	Replacement Nuts and Washers	4 Each
	Replacement Foam Gaskets	3
	NC-111 Grease	1
	Thermal Paste	1
	Dielectric Grease (Loctite 30536)	1

1. Remove back panel and side panels.
2. Turn off the blendonator valve.
3. Drain the cylinder of the faulty motor by opening the dispensing valve. When only CO_2 comes out, turn the cylinder product supply valve off. Relieve CO_2 pressure by opening the faceplate pressure relief valve.
4. Remove the cylinder face plate (4 nuts).
5. Remove beater bar and scraper blades.
6. Use the magnet puller tool (P/N 560003662) that comes with the unit to remove the magnet.

   NOTE: Sufficient force must be used to break the magnet lose from the end of the cylinder.

CAUTION:
The magnet is very strong and heavy. Be careful not to pinch hands and fingers between the magnet and a steel object.

WARNING:
Strong Magnetic Field. Person wearing pacemaker, implanted cardioverter defibrillator, or other implanted medical device may be effected by the magnetic field and must keep the magnet at 6 or more inches from the device. The magnetic field can affect operation of these devices which may cause bodily injury or death.

If disruption of device occurs or operation is adversely effected, immediately move the victim far away from magnet and seek medical assistance.

7. Disconnect product supply line, disconnect wire harness, remove foam insulation and remove thermostat in center of stator assembly. Unbend the index tabs and remove end cap. Remove the power box from Barrel #1. If the thermostat is missing or damaged, call IMI Cornelius Service immediately at (800) 238-3600.
8. Remove stator assembly from cylinder (4 nuts). Use caution when moving the stator to not pinch or cut any of the wires.

Figure 1.

9. Apply silicon grease around the inside of the new stator and on the outside of the cylinder. Use the supplied NC111 grease only.

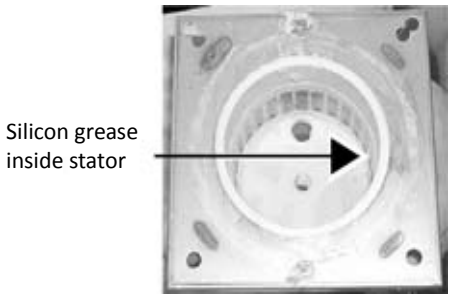

Figure 2.

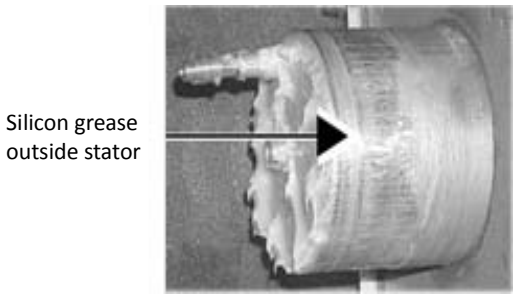

Figure 3.

10. Slide new stator on end of cylinder. Torque nuts to 15-18 foot pounds. Replace end cap and bend index tabs down. Apply additional thermal paste to the threads of the thermostat (Figure 4. and Figure 5.) Twist the thermostat counter clockwise 10-12 turns before threading it in. Replace thermostat, be careful not to over tighten the brass insert, the threads may snap off inside the steel boss. Replace foam insulation and reconnect product supply line.

Figure 4.

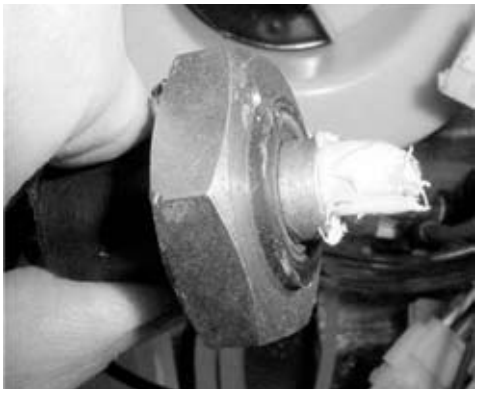

Figure 5.

11. Open the front merchandiser and control panel.
12. Unplug the existing hall board harness and cover it with electrical tape or cut it off to identify it. Route the new harness as close to the old one as possible.

Publication Number: 629087565INS

13. Apply the supplied dielectric grease (Loctite 30536) to the existing stator connection, as shown. Fill up each contact on the existing stator harness and connect them together. Wipe away any excess grease.

Figure 6.

Figure 7.

14. Re-connect the new hall sensor harness and make sure insulation fully covers the product tube to the cylinder. If necessary, add more insulation tape. The new connector, with the black face seal (see Figure 8.), requires more force to fully engage the connector. Make sure you hear it “snap” closed.

Figure 8.

NOTE: At this time you should start up the unit and start the motor to make sure it is in working order, being careful not to touch high power wires or electrical connections.

15. After making sure unit is in proper working order, re-attach screws on the contactor boxes, back cover, and control box.
16. Replace magnet into opening of cylinder. Use magnet removal tool to slowly and carefully push magnet to the back of the cylinder.

    NOTE: As magnet approaches end of cylinder the magnet force increases and care must be taken to not let the magnet slam into the end of the cylinder.

17. Re-install the beater bar and scrapper blades. Be sure the bushing is on the front of the beater bar shaft. Make sure that the beater bar is engaged with the magnet.
18. Re-install the faceplate by pressing until it contacts the front of the cylinder and then install the washers and nuts (finger tight only).
19. Re-connect the power and go through the normal start-up procedure.

    NOTE: Baldor stators should measure 63-90 Ohms between each of the three terminals. Compare the winding readings, the difference between any 2 reading must be less than 5 Ohms.

