



INSTALLATION INSTRUCTIONS

PART NUMBER	154-8817
PART DESCRIPTION	MANUAL VENT VALVE
REV DATE	02/06/2002
MACHINE MODELS	ALL Painted Lane Machines



Basic knowledge of the operation of the lane machine

TOOLS NEEDED:

Phillips Screwdriver
Joint Crimpers

Wire Cutters

1/4 wrench



TECHNICAL NOTE

Please thoroughly read the instructions prior to performing the installation of this assembly.

To avoid any potential problems, if at any time during the process you have a question, stop and contact our Tech Support department at the numbers listed below.

Please visit our growing library of videos to see if these instructions are available!



www.youtube.com/user/KegelBowling81



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Kegel's Lane Maintenance Central:
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Outside USA - +1 863-734-0200
via e-mail at LMC@Kegel.net
website www.kegel.net



PHOENIX PAD MODEL C (Gray Frame) 115V/230V:

1. Lay machine down in the operating position. Remove power from the machine.
2. Cut wires from the valve at the quick disconnect fittings. Using the wire joints provided, cap both wires that lead back into the harness.
3. Remove two screws holding valve to frame. Remove the hose from the fitting in the top of the tank that goes to the valve assembly.
4. Rotate the fitting in the tank 90° clockwise. Insert NEW manual vent valve assembly into fitting.

KUSTODIAN MODELS A/B/C 115V/230V:

Cleaner Tank:

1. Lay machine down in the operating position. Remove power from the machine.
2. Follow Blue wires from valve to where they are capped in the harness. Cut caps off wires.
3. Strip ½" of insulation off White wire from harness and cap off using wire joint provided. Strip ½" of insulation off Blue/Yellow wire and White/Orange wire, twist back together and cap off using wire joint provided.
4. Remove two screws holding valve to the frame. Remove the hose from the fitting in the top of the tank that goes to the valve assembly. Remove valve assembly from the machine.
5. Rotate fitting in top of tank 180° clockwise.
6. Plug NEW manual vent valve assembly into fitting.

Conditioner Tank:

1. Follow Blue wires from valve to where they are capped off. Cut caps off wires.
2. Remove two screws holding valve to frame. Remove the hose from the fitting in the top of the tank that goes to the valve assembly. Remove valve assembly from the machine.
3. Rotate fitting in top of tank 180° clockwise.
4. Plug NEW manual vent valve assembly into fitting.
5. Follow the two wires (White & Red/Violet) that you cut the caps off back through the wire harness. Disconnect these wires from where they originate. Remove both wires completely from wire harness. **Refer to the wiring diagram in your operator's manual to help trace wires. These wires must be removed to prevent the possibility of electric shock.**



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**ELITE MODEL B (Dark Blue)/ STANDARD-AC MODEL B (Dark Blue), PXS MODEL C (Red Frame)/
STANDARD AC,VB, SE MODEL A (Light Blue) 115V/230V:**

Cleaner Tank:

1. Lay machine down in the operating position. Remove power from the machine.
2. Follow Yellow wires from valve to where they are capped off. Cut caps off wires.
3. Remove two screws holding valve to frame. Remove the hose from the fitting in the top of the tank that goes to the valve assembly. Remove valve assembly from the machine.
4. Rotate fitting in top of tank 90° clockwise.
5. Plug NEW manual vent valve assembly into fitting.
6. Follow the two wires (Brown & Red/Violet) that you cut the caps off back through the wire harness. Disconnect the Brown wire from the Wago block where it originates. Disconnect the Red/Violet wire from where it originates. Remove both wires completely from wire harness. **Refer to the wiring diagram in your operator's manual to help trace wires. These wires must be removed to prevent the possibility of electric shock.**

Conditioner Tank:

1. Unplug hose leading from fitting on Oil Control Valve to the fitting on the splash guard
2. Locate where Oil Assembly is plugged into the harness, disconnect plug.
3. Locate the (2) ¼" bolts on the outside of the frame that secure the Oil Plate Assembly to the frame. Remove these bolts. Lift Oil Plate Assembly from machine.
4. Remove the two screws that secure the Vent Valve to the Oil Plate assembly. Follow Yellow wires from Vent Valve to Wago Blocks, remove Yellow wires.
5. Remove the hose from the fitting in the top of the tank that goes to the valve assembly. Remove valve assembly from the machine.
6. Rotate fitting in top of tank 180° clockwise. Plug in new Manual Vent Valve Assembly.
7. Disconnect Red/Violet wire from Wago block. Follow Red/Violet wire back through wire harness to its origin (PLC). Remove this wire completely from the harness. **Refer to the wiring diagram in your operator's manual to help trace wires. This wire must be removed to prevent the possibility of electric shock.**
8. Place Oil Plate Assembly back into the machine. Re-attach to the frame using bolts removed earlier. Plug assembly back into harness. Re-connect hose from Oil Control Valve back to fitting in the splash guard.



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SANCTION WALKER / ROBOTECH 115V/230V:

Conditioner Tank:

1. Lay machine down in the operating position. Remove power from the machine.
2. Locate the Vent Valve assembly above the conditioner tank. Remove the two wires plugged into the valve. Locate and remove the two screws that secure the valve to the frame.
3. Remove the hose from the fitting in the top of the tank that goes to the valve assembly. Remove valve assembly from the machine.
4. Follow the two wires (White & Red/Violet) that were plugged into the valve, back through the wire harness and disconnect from their origins. Remove both wires completely from wire harness. **Refer to the wiring diagram in your operator's manual to help trace wires. These wires must be removed to prevent the possibility of electric shock.**
5. Plug new Manual Vent Valve Assembly into fitting on top of tank.

PX-S / SMII / DOMINATOR / SM 007(Silver Frame) MODELS A & B 115V/230V:

Conditioner Tank:

1. Lay machine down in the operating position. Remove power from the machine.
2. Remove the two screws that secure the Valve cover to the frame. Turn cover over and remove the two screws that secure the Vent Valve to the cover.
3. Follow wires from valve to where they are capped off. Cut caps off wires.
4. Remove valve assembly from the machine. Plug NEW manual vent valve assembly into fitting.
5. Follow the two wires (White & Red/Violet) that you cut the caps off, back through the wire harness and disconnect from their origins. Remove both wires completely from wire harness. **Refer to the wiring diagram in your operator's manual to help trace wires. These wires must be removed to prevent the possibility of electric shock.**
6. Re-attach valve cover to frame.



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