
KIT PART NUMBER 1670116
INSTRUCTIONS FOR INSTALLING LED LIGHTING

CHECK THE PARTS RECEIVED IN THE KIT WITH THE PARTS LIST IN THESE INSTRUCTIONS. IF ANY PARTS ARE MISSING, CONTACT THE NATIONAL VENDORS PARTS DEPARTMENT IMMEDIATELY.

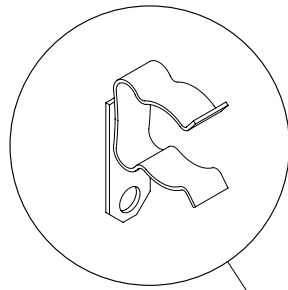
**Read these instructions carefully before installing the kit.
Keep these instructions for part numbers and for future reference.**

THIS KIT CONTAINS THE FOLLOWING :

PART NUMBER	DESCRIPTION	QUANTITY
1672174	ASSY-24 LED -500MM	3
1672175	ASSY- REFLECTOR-LEFT	1
1672176	ASSY- REFLECTOR-RIGHT	1
9985060	HARNESS-LED JUMPER - 4'	1
1672177	ASSY-MTG-CLIP-ADJ-LED	2
1672179	BRKT-MTG-LED PWR SUP	1
9985050	SMPS-LINE TO 24VDC-NO CORD	1
9985051	CORD-DETACHABLE-SMPS	1
1819031	HARNESS-MNL TO .25 FASTON	1
9900118	SCREW-#8-32 X 3/8 PHS	2
9900081	NUT #8-32 KEPS ZINC PLATE	2
AP380303	FILTER-LIGHT (120V ONLY)	1
9900078	NUT #6-32 KEPS ZINC PLATE	2
9900107	SCREW-#6-32 X 5/16-RHS-W/LKW	2
2342315	CLIP-WIRE HARNESS	2
4552436	SCREW-#8-18X.5 S/DRL HX HD SS	4
1672180	FILTER - FERRITE (230V ONLY)	1
4042121	WIRE TIES	4
1670117	KIT INSTRUCTIONS	1

1. Turn off power to the machine at the main power panel. Unplug the machine.
2. Remove the bottom tray.
3. Remove the fluorescent light bulb, then remove the fluorescent light bracket from the door. Remove all harnessing, ballast and fluorescent light sockets from the bracket. Save the bracket and mounting hardware. Discard the fluorescent light tube, sockets and ballast.

4. Reinstall the light bracket including the LED clips (1672177) as illustrated using the mounting hardware saved in the above step.



REMOVE THE TOP SCREW ON EACH SIDE OF THE DOOR THEN, LOOSEN THE REST OF THE SCREWS DOWN THE GLASS RETAINER TO ALLOW ROOM TO SLIDE THE REFLECTOR ASSEMBLY INTO PLACE. INSTALL HARNESS CLIPS WITH THE TOP SCREWS ON EACH SIDE.

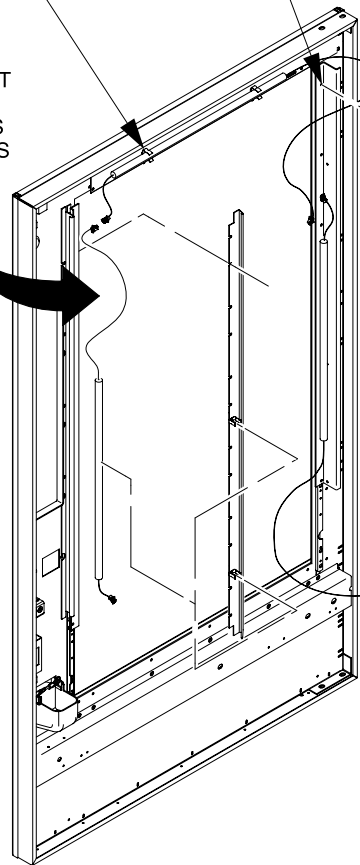
5. Loosen the screws on the left and right glass retainers. Remove the TOP screws on each side and save. Slide the Left and Right Reflectors under the screw heads. Be sure that the LED clips are towards the bottom as illustrated. Tighten the screws to hold the reflectors secure. Reinstall the top screws with Wire Harness clips in the top holes located on each side.

LEFT LED LIGHT LONG HARNESS TOWARDS THE TOP

TOP LED LIGHT LONG HARNESS TOWARDS THE RIGHT

MOUNT BOTH REFLECTORS WITH THE LED CLIPS TOWARDS THE BOTTOM

RIGHT LED LIGHT LONG HARNESS TOWARDS THE BOTTOM



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6. Start installing LED lighting on the **left** side of the open door.
7. **LEFT LIGHT:** Be sure that the long wire is towards the top. Snap the LED light stick into the clips on the reflector. Aim the LED's towards the center of the door so they will shine on the product in the machine when the door is closed. Insert the wires into the wire harness clip previously installed and loop around once to take up extra slack.
8. **TOP LIGHT:** The long wire should be towards the right as illustrated. Snap the LED light stick into the clips that were installed on the top bracket. Twist the light

stick so the LED's aim down towards the product in the machine. Connect the harness from the left light to the top light. Loop the harness through the J clamp to take up the extra slack.

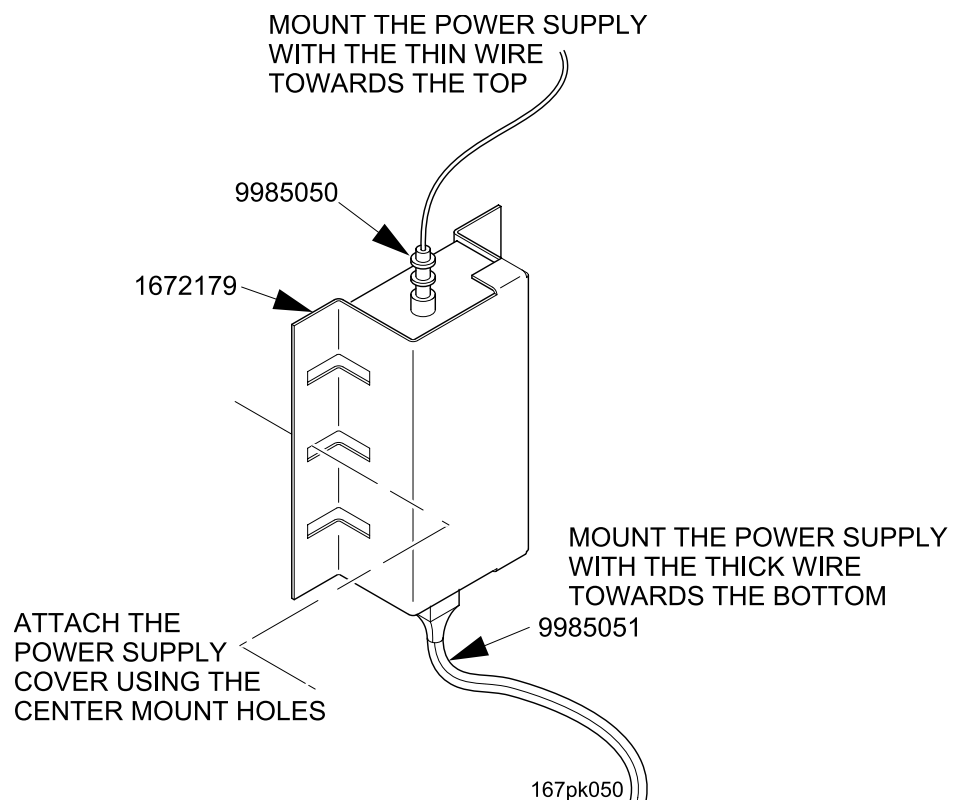
9. **RIGHT LIGHT:** Snap into place with the long wire towards the bottom. Connect the harness from the top light to this light. Feed the long wire harness through the large J clamp being sure to keep the wire away from the delivery pan mechanical. Wire tie the harness with the other wires in that location.
10. **NOTE:** Adjust all the light tubes so the mounting clips do not block the LED's.
11. Open the power panel in the monetary area of the machine by removing the top screw and tilting the panel out.

12. On the back wall of the power panel box, install the power supply. The thin wire should be towards the top and the thick wire towards the bottom. Feed the thin wire through the large hole in the top of the power supply bracket.

This wire connects to harness 9985060 and will be run along the inside of the cabinet, using

the J clamps that are already in the cabinet around to the harness for the LED lights. Plug the harness into the LED light on the right side of the door. Wire tie any excess harnessing.

13. Place the 1672179 cover over the power supply, and attach to the back of the power panel box using two #8 screws and nuts into the middle bracket hole. Optional drill point screws 4552436 are included with this kit if no holes exist in your machine.
14. Disconnect the fluorescent light fixture from the ON/OFF switch and push it through the large hole on the back of the power panel. Mark the remaining switch

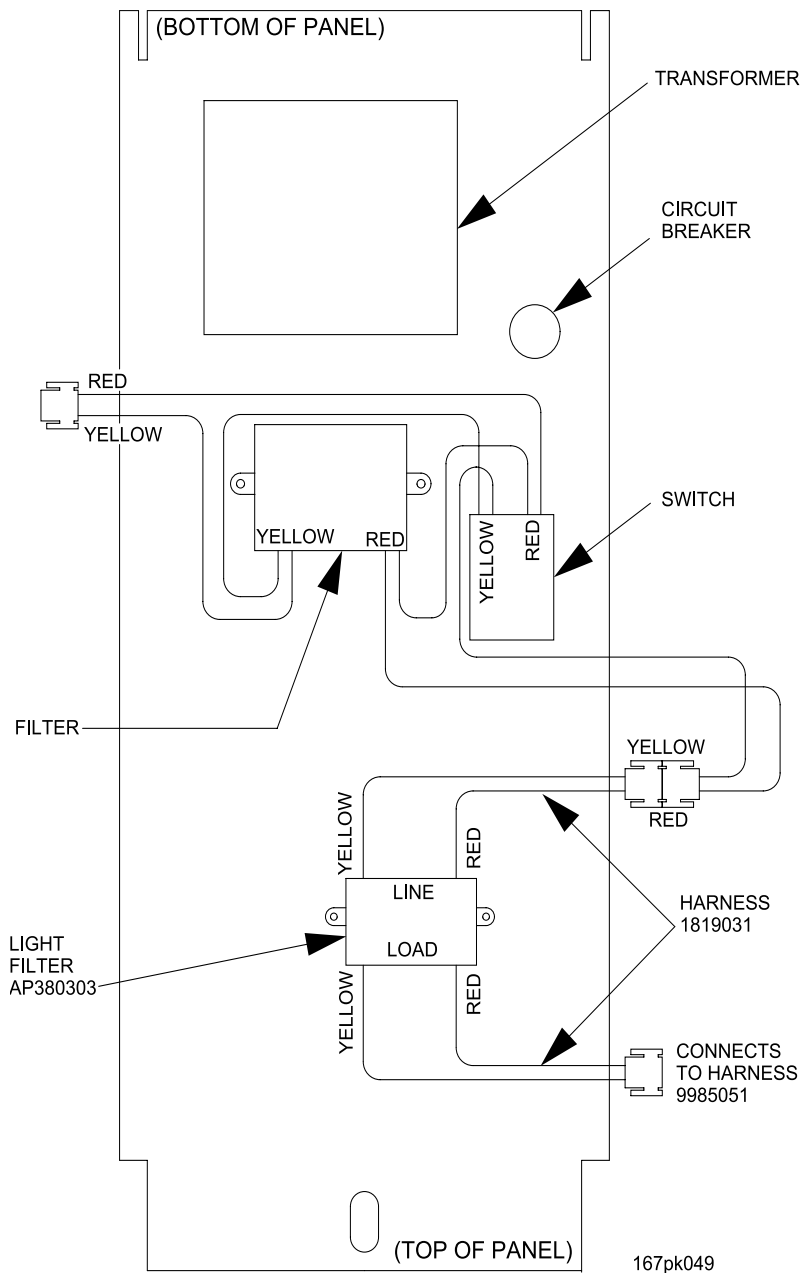


harness attached to the power panel with tape.

15. **OPTIONAL:** The fluorescent light harness that runs from the cabinet to the door may be removed, or left in the machine - it will not be used in this application.

16. **On 120V only,** install the light filter AP 380303 on the front panel of the power panel using the #6 screws and nuts. Optional drill point screws 4552436 are included in the kit if no extra holes are on the panel. Position the filter with the line side towards the ON/OFF switch and the load side towards the top of the panel as illustrated.

17. Harness 1819031 consists of two identical harnesses. Connect one harness from the ON/OFF switch to the LINE side of the filter AP380303 matching red to red wires and yellow to yellow wires. Connect the other 1819031 harness to the LOAD side of the filter matching red to red wires and yellow to yellow wires. Then connect the other end of this harness to the cord 9985051 from the power supply assembly on the back wall of the power box. Continue to step 20.






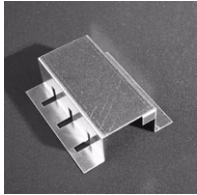


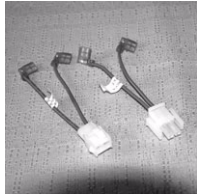
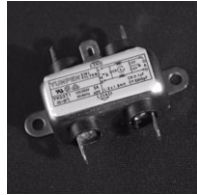
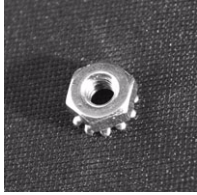









18. **On 230V only,** connect the cord 9985051 from the power supply assembly on the back wall of the power box to the harness attached to the ON/OFF switch where

the fluorescent light harness was disconnected on the front panel. Replace the power panel cover with the original screw checking that you do not pinch any wires.

19. Remove the main PCB controller panel cover. Locate J37 connector on the main controller board and snap the split Ferrite Filter on the wire. Continue to step 20.
20. Replace the power panel cover with the original screw.
21. Reinstall the bottom tray into the machine. Plug machine back into its power source, and power up.

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<p>1672174</p>  <p>ASSY-24 LED - 500MM</p>	<p>1672175</p>  <p>ASSY- REFLECT - LEFT</p>	<p>1672176</p>  <p>ASSY REFLECT - RIGHT</p>	<p>9985060</p>  <p>HARNESS-LED JUMPER - 4'</p>	<p>1672177</p>  <p>ASSY MTG CLIP ADJ LED</p>
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<p>9900081</p>  <p>NUT #8-32 KEPS ZINK PLATE (POWER SUPPLY)</p>	<p>9900118</p>  <p>SCREW #8-32X3/8 PHS (POWER SUPPLY)</p>	<p>2342315</p>  <p>CLIP WIRE HARNESS</p>	<p>9900078</p>  <p>NUT#6-32 KEPS ZINC PLATE (FILTER)</p>	<p>9900107</p>  <p>SCREW #6-32X5/ 16 RHS WLKW (FILTER)</p>
<p>4552436</p>  <p>SCREW#8-18X.5 S/DRL HX HD SS</p>	<p>1672180</p>  <p>FILTER - FEFFITE (230 v ONLY)</p>	<p>4042121</p>  <p>WIRE TIES</p>	<p>1670117</p> <p>KIT INSTRUCTIONS</p>	