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**KIT PART NUMBER 1810019**  
**INSTRUCTIONS FOR INSTALLING LED LIGHTING**  
**IN MODELS 180, 181, 182**

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.

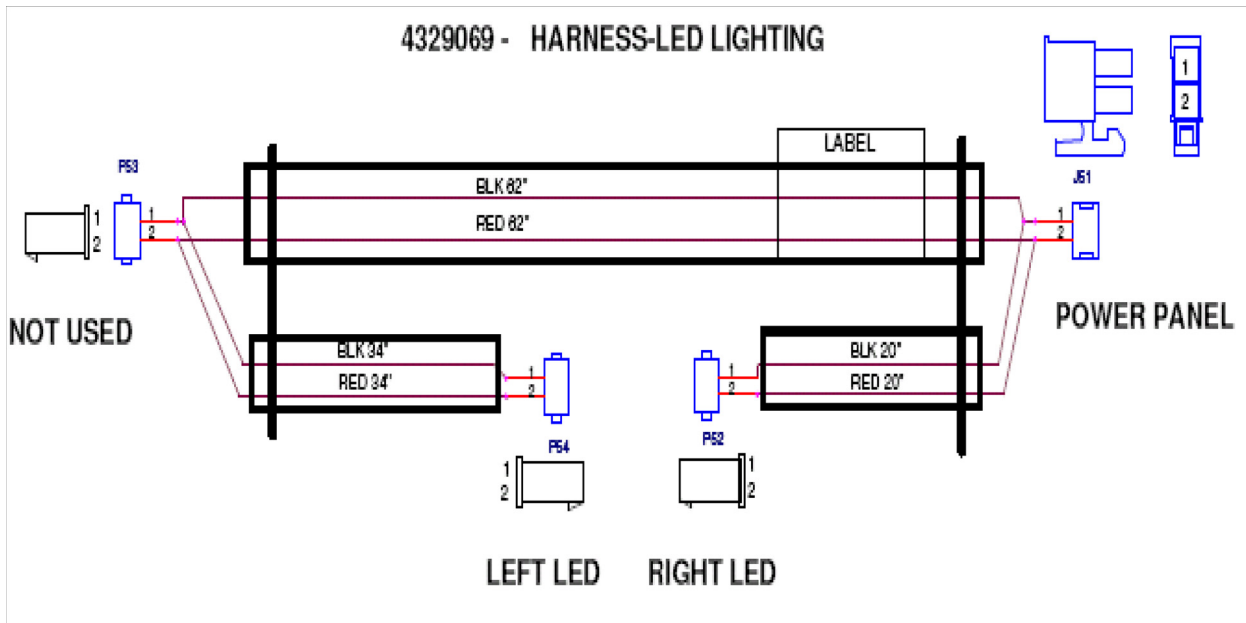
**THIS KIT CONTAINS THE FOLLOWING :**

<b>PART NUMBER</b>	<b>DESCRIPTION</b>	<b>QUANTITY</b>
1811085	ASSY-48 LED -1200MM	2
1811099	DEFLECTOR, PRODUCT, LED	2
4329069	HARNESS-LED LIGHTING	1
1672177	ASSY-MTG-CLIP-ADJ-LED	4
9985050	SMPS-LINE TO 24VDC-NO CORD	1
9985051	CORD-DETACHABLE-SMPS	1
1819031	HARNESS-MNL TO .25 FASTON	1
1670035	ALCOHOL WIPE - 1 7/8 X 3 3/8	1
1672183	PAD - ADHESIVE - DOUBLE SIDED	1
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
1212159	CLIP-WIRE	3
4042121	WIRE TIES	4
1810018	KIT INSTRUCTIONS	1

1. Turn off power to the machine at the main power panel. Unplug the machine.
2. For easier access remove the 2 bottom trays and the delivery bin.
3. Remove the the white plastic diffusers and discard. Remove the florescent light bulb, then remove the florescent light bracket from the door. Remove all harnessing, ballast and florescent light sockets and the bracket. Save the mounting hardware.
4. Install the the 4 LED clips (1672177) in the 4 holes used previously to mount the florescent lamps with the mounting hardware saved in step 3.
5. Snap the led tubes into the LED clips with the wires at the bottom. Angle the

LED's towards the center of the cabinet at a 45 degree angle.

6. If holes are not present, drill 9/16" holes at the bottom of each light channel on each side of the cabinet to enable the harness from the control panel to be connected to the LED's on each side of the cabinet.
7. HARNESS 4329069 ILLUSTRATION
8. Route harness from power panel around back of machine and hang harness with

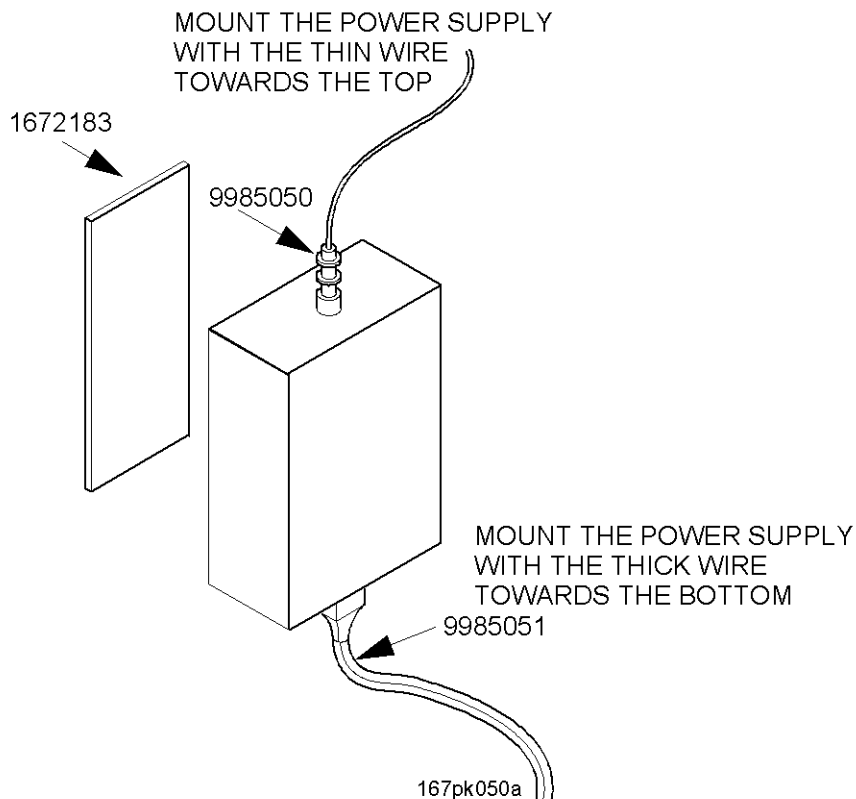


clips included. Ensure plug J61 is located closest to power panel, plug p52 is used for right side light and plug p54 is used for left side light. Plug p53 is not used and should be left disconnected.

9. NOTE: Adjust all the light tubes so the mounting clips do not block the LED's.
10. Open the power panel in the monetary area of the machine by removing the top screw and tilting the panel out. Connect the detachable power cord to power supply part number 9985050.
11. On the back wall of the power panel box, use the alcohol pad to clean the sheet metal prior to mounting the power supply on the back of the power panel with the adhesive pad. 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 back of the power panel box. This wire connects to harness 4329069 which runs along the inside of

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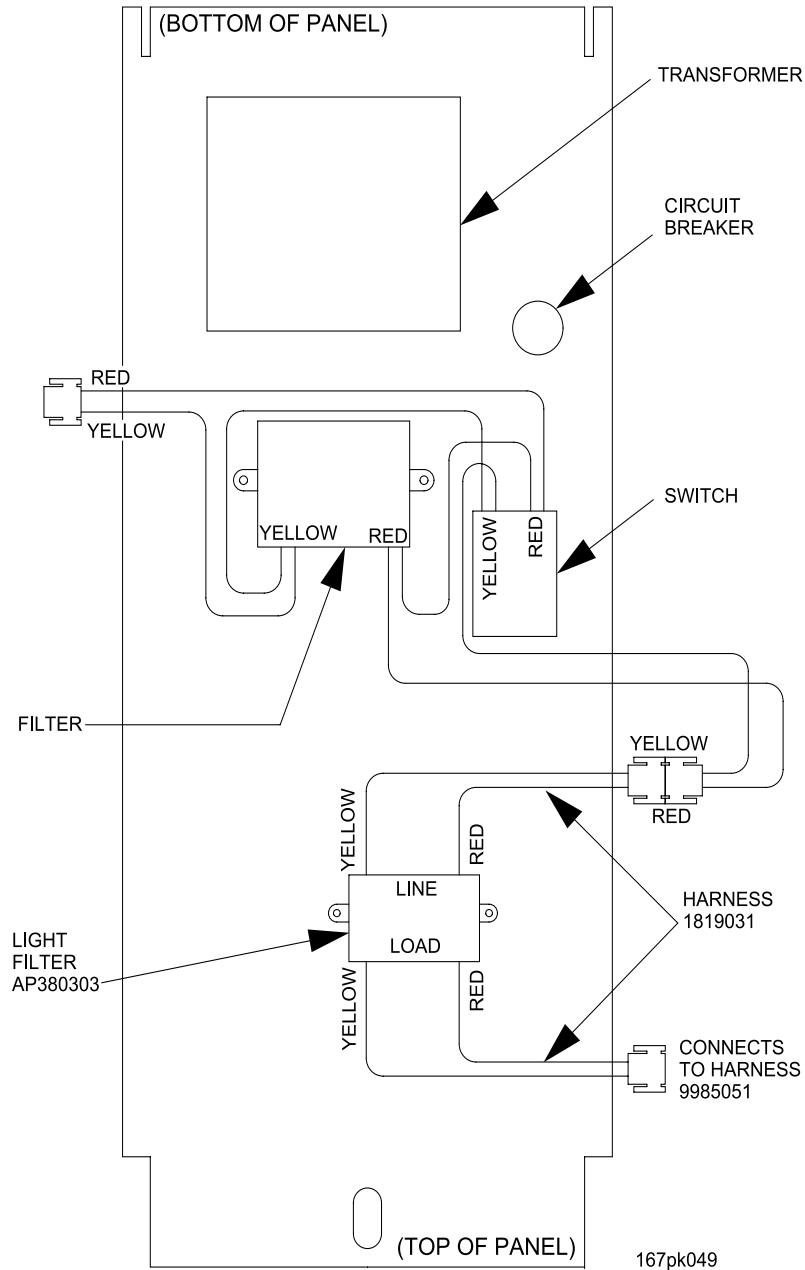
the cabinet. Wire tie any excess harnessing.




12. Disconnect the fluorescent light harness from the power panel harness and push it through the large hole on the back of the power panel. Mark the remaining power panel harness attached to the power panel with tape.
13. 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.
14. **On 120V only**, install the light filter AP 380303 on the inside of the power panel using the #6 screws and nuts. Position the filter with the line side towards the ON/OFF switch and the load side towards the top of the panel as illustrated.
15. Harness 1819031 consists of one male and one female harnesses. Connect the female harness from the power panel harness to the LINE side of the filter AP380303 matching red to red wires and yellow to yellow wires. Connect the male 1819031 harness to the LOAD side of the filter matching red to red wires and yellow to yellow wires. Connect this harness to the 9985051 harness on the power supply
16. Replace the power panel cover with the original screw.
17. Reinstall the bottom 2 trays into the machine. Plug machine back into its power

source, and power up.

18.



# KIT 1810019

<p>1811085</p>  <p>ASSY-48 LED - 1200MM</p>	<p>1811099</p>  <p>DEFLECTOR PRODUCT- ASSY.</p>	<p>1212159</p>  <p>CLIP WIRE</p>	<p>4329069</p>  <p>HARNESS-LED LIGHTING '</p>	<p>1672177</p>  <p>ASSY MTG CLIP ADJ LED</p>
<p>4042121</p>  <p>WIRE TIES</p>	<p>9985050</p>  <p>SMPS LINE TO 24VDC NO CORD</p>	<p>9985051</p>  <p>CORD- DETACHABLE SMPS</p>	<p>1819031</p>  <p>HARNESS MNL TO .25 FASTON</p>	<p>AP380303</p>  <p>FILTER - LIGHT (120V ONLY)</p>
<p>1672183</p> <p>ADHESIVE PAD (NO PHOTO)</p>	<p>1670035</p> <p>ALCOHOL PAD (NO PHOTO)</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>