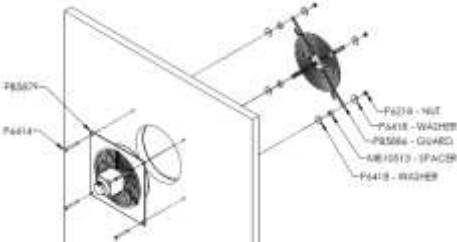





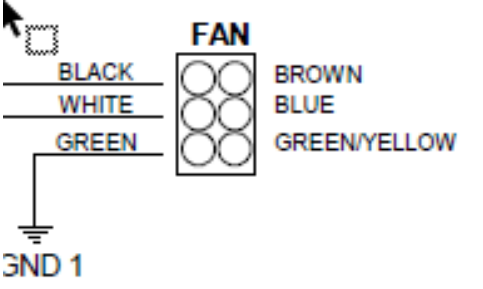
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	<b>Operation Instruction Title:</b> <b>Hatcher Powered Exhaust</b>	Revision Date: 04/05/2018	Revised By: V. Frail
		Revision No. 1	Approved By: S. Ditner



\*\*\*Refer to F-Sheet F3201 Exhaust fan instruction sheet for additional details and wiring diagrams.

Step (picture)	Step (Instructions)	Step (Tools Required)	Step (Safety & PPE)																																																			
OP100028 Step 1 	Ensure all parts are present for the exhaust fan installation.  FB6371 Platinum Hatcher Exhaust Fan Pack <table border="1"> <thead> <tr> <th>Part #</th> <th>#</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>PB5880</td> <td>1</td> <td>Nimbus Rail Mount Kit</td> </tr> <tr> <td>PB5879</td> <td>1</td> <td>Fan - 10" Multifan</td> </tr> <tr> <td>PB5878</td> <td>1</td> <td>Nimbus Smart Fan Controller</td> </tr> <tr> <td>PB5216</td> <td>1</td> <td>Relay Socket 14 Pin</td> </tr> <tr> <td>PB5214</td> <td>1</td> <td>Relay - 4 Pole 3a</td> </tr> <tr> <td>PB4808</td> <td>20</td> <td>Cable - Cable 18/3</td> </tr> <tr> <td>PB4529</td> <td>2</td> <td>Connector - Pg7 Liquid Tight</td> </tr> <tr> <td>PB3140B</td> <td>2</td> <td>Bushing - Snap 1/4 OD</td> </tr> <tr> <td>P6418</td> <td>8</td> <td>Washer - 0.344" ID 1.50" OD</td> </tr> <tr> <td>P6414</td> <td>4</td> <td>Screw - 5/16 18X 2 3/4 Hex Head Cap S</td> </tr> <tr> <td>P6218</td> <td>4</td> <td>Nut - 5/16-18 Nylon Insert Lock</td> </tr> <tr> <td>P2794</td> <td>10</td> <td>Wire - Wire 18 Tew Red</td> </tr> <tr> <td>P2793</td> <td>10</td> <td>Wire - Wire 18 Tew White</td> </tr> <tr> <td>P2792</td> <td>10</td> <td>Wire - Wire 18 Tew Black</td> </tr> <tr> <td>MB10513</td> <td>4</td> <td>Spacer - Nylon, .375 In</td> </tr> <tr> <td>PB5886</td> <td>1</td> <td>10" Fan Guard</td> </tr> </tbody> </table>	Part #	#	Description	PB5880	1	Nimbus Rail Mount Kit	PB5879	1	Fan - 10" Multifan	PB5878	1	Nimbus Smart Fan Controller	PB5216	1	Relay Socket 14 Pin	PB5214	1	Relay - 4 Pole 3a	PB4808	20	Cable - Cable 18/3	PB4529	2	Connector - Pg7 Liquid Tight	PB3140B	2	Bushing - Snap 1/4 OD	P6418	8	Washer - 0.344" ID 1.50" OD	P6414	4	Screw - 5/16 18X 2 3/4 Hex Head Cap S	P6218	4	Nut - 5/16-18 Nylon Insert Lock	P2794	10	Wire - Wire 18 Tew Red	P2793	10	Wire - Wire 18 Tew White	P2792	10	Wire - Wire 18 Tew Black	MB10513	4	Spacer - Nylon, .375 In	PB5886	1	10" Fan Guard		Throughout: Safety Shoes Safety Glasses Hearing protection as required Additional equipment as required by the site
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OP100028 Step 2 	Apply silicone to the rear edges of the fan.  Insert the fan from the inside of the cabinet to the pre-cut hole. Insert the P6414 bolts at this time.  <b>Note:</b> This will require someone to hold the fan in place while the fasteners are affixed from the exterior of the cabinet.	Caulking gun																																																				

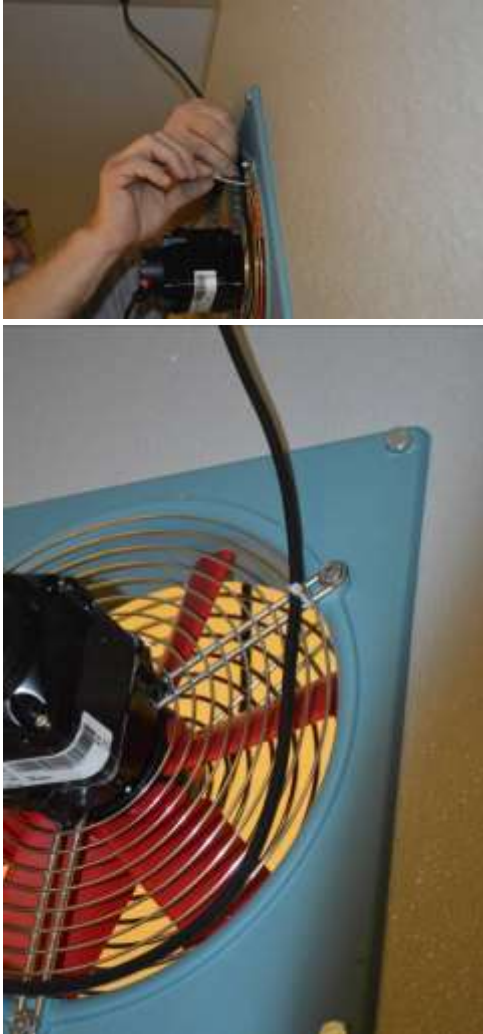

	<b>Part Name / Description:</b> <b>Platinum P40, P30 Hatchers</b>	Instruction #: OP100028	Page 2 of 6
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Step (picture)	Step (Instructions)	Step (Tools Required)	Step (Safety & PPE)
OP100028 Step 3 	From the exterior, fasten the fan as follows: <ul style="list-style-type: none"> <li>- Place a P6418 washer on the bolt</li> <li>- Place a MB10513 spacer on top</li> <li>- Place the guard</li> <li>- Place another washer</li> <li>- Attach the P6218 nut</li> </ul> Complete this for all 4 bolts and tighten in place.	½" wrench ½" socket Ratchet	
OP100028 Step 4 	Remove the motor cover from the fan and remove the grey connector.	Wrench Screwdriver	
OP100028 Step 5 	Replace the grey connector with a PG9 connector.		
OP100028 Step 6 	Run the fan wire through the PG9 connector and wire to the motor.	Electrical screwdrivers	

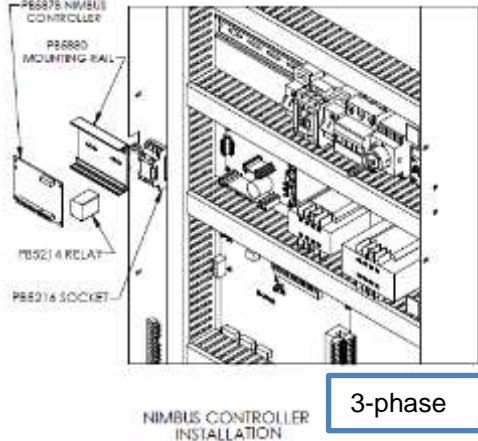
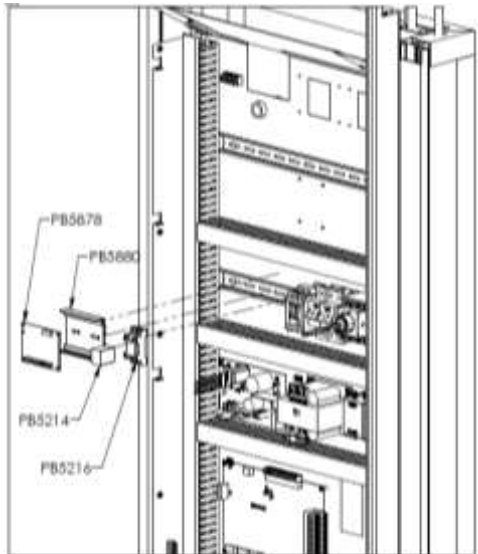
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Step (picture)	Step (Instructions)	Step (Tools Required)	Step (Safety & PPE)
OP100028 Step 7	<p>Drill a hole in the center roof extrusion from the top with a 3/8" drill bit, approximately 12" from the back of the cabinet.</p> <p>From the inside, use a 7/16" drill bit for a PG7 connector and tap with a PG7 tap.</p> <p>Ensure this is on the <b>right side</b> of the extrusion, when standing inside the cabinet and facing the fan, so that the wire enters the <i>high voltage</i> side of the cable trays.</p>	Cordless drill 3/8" Drill bit 7/16" Drill bit PG7 tap	
OP100028 Step 8 	<p>Thread the PG7 liquid tight into the hole.</p> <p>Loosen the nut so that the wire may be inserted.</p>		
OP100028 Step 9 	<p>Thread the wire through the connector and tighten.</p> <p>Apply a PB3140B snap bushing from the top.</p>		

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Step (picture)	Step (Instructions)	Step (Tools Required)	Step (Safety & PPE)
<p>OP100028 Step 10</p> 	<p>Secure the wire to the guard on the fan using a cable tie.</p> <p>Trim the excess of the cable tie.</p>	<p>Side cutters</p>	
<p>OP100028 Step 11</p> 	<p>Insert a PB2140B snap bushing in the hole in the center roof extrusion.</p> <p>Run the wire through the cable tray down into the console.</p> <p>Run the wire through a portion of the ¼" tubing supplied in the bottom of the console to protect the wire as it passes through the center roof extrusion.</p>		

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Step (picture)	Step (Instructions)	Step (Tools Required)	Step (Safety & PPE)
<p>OP100028 Step 12</p>  <p>NIMBUS CONTROLLER INSTALLATION</p>  <p>NIMBUS CONTROLLER INSTALLATION</p>	<p>Mount the Nimbus fan speed controller in the control panel as indicated on the F3201 F-sheet.</p>		
<p>OP100028 Step 13</p>	<p>Complete the wiring as indicated on the F-sheet, using the correct page based on whether the line voltage is 3-phase or single phase.</p> <p>Ensure the Nimbus switches have also been set according to the F-sheet.</p> <p><b>NIMBUS SWITCH SETTINGS</b>  2 AND 7 : ON  1,3,4,5,6 AND 8 : OFF</p>		

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Step (picture)	Step (Instructions)	Step (Tools Required)	Step (Safety & PPE)
OP100028 Step 14	<p>Silicone around the edges of the fan, both inside and outside the cabinet.</p> <p>Silicone around the edge of the liquid tight connector in the center roof extrusion.</p>		