












	Part Name / Description: <b>(text here)</b>	Instruction #: OP100027	Page 1 of 5
	Operation Instruction Title: <b>Platinum Intake &amp; Exhaust Dampers Installation</b>	Revision Date: 01-08-2018	Revised By: V.Frail
		Revision No. 1	Approved By: S. Ditner


Step (picture)	Step (Instructions)	Step (Tools Required)	Step (Safety & PPE)
OP-() Step 1 	<p>Slot the damper assembly into the pre-cut holes in the roof.</p> <p>The longer arm for the damper should be facing to the left side of the cabinet (as seen standing in front of the cabinet, facing the console).</p> <p>Use a piece of wood to tap the dampers in evenly until there is approximately a 1/8" protrusion into the cabinet.</p> <p><b>Note:</b> It is recommended to install the dampers after the trades have completed the wiring and plumbing to prevent accidental damage.</p> <p><b>Note:</b> it is recommended to install the dampers at the end of the day to give the silicone as much time as possible to cure without movement of the roof panels.</p>		Throughout: Safety Shoes Safety Glasses Hearing protection as required Additional equipment as required by the site
OP-() Step 2 	<p>Ensure the tops of the dampers are level in both directions, with the 1/8" protrusion to the inside of the cabinet.</p>	1-foot level	
OP-() Step 3	<p>Close the damper and ensure it closes fully and moves freely.</p> <p>Adjust the position of the damper assembly if necessary.</p>		


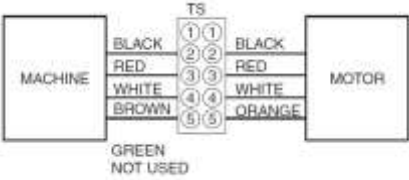
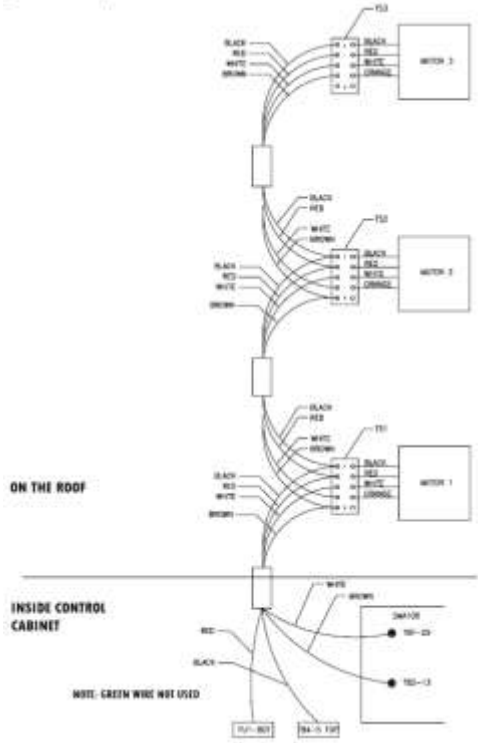
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OP-() Step 4 	<p>Apply silicone around the outside edge of both dampers, and tool with your finger.</p> <p>Support the damper using a damper motor assembly on one side and a piece of wood on the other.</p> <p>It is recommended to stop all foot traffic on the cabinets while the damper silicone is setting. This task is best left for the end of the day for this reason.</p>	Caulking Gun	
OP-() Step 5	Remove the circular clip off the PB5637 damper motor.		
OP-() Step 6 	Mount the damper motor onto the bracket.		
OP-() Step 7 	Slide the damper motor in place over the shaft. 1/2" of shaft should protrude past the clamp.		
OP-() Step 8 	<p>Square the bracket to the rear top wall extrusion.</p> <p>Mark the screw hole locations in the bracket.</p>	Speed square Sharpie Marker	

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Step (picture)	Step (Instructions)	Step (Tools Required)	Step (Safety & PPE)
OP-() Step 9  	<p>Remove the damper and bracket assembly.</p> <p>Drill 4x ¼" holes through the top layer FRP only where marked.</p>	Cordless drill ¼" drill bit	
OP-() Step 10 	<p>Apply silicone to the bottom of the damper motor bracket.</p> <p>Put the assembly back in place.</p>	Caulking gun	
OP-() Step 11 	<p>Insert 4x plastic drive rivets into the holes in the bracket.</p> <p>Apply silicone around the outer edges of the bracket.</p>	Hammer	
OP-() Step 12 	<p>Replace the motor loosely onto the bracket and shaft. Do not tighten at this point; the motor will be tightened once calibration has occurred.</p>		

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Step (picture)	Step (Instructions)	Step (Tools Required)	Step (Safety & PPE)
OP-() Step 13 	Drill a 3/8" hole in the side of the raceway and install a snap grommet.  For a double depth cabinet, repeat steps 1-12 for the other exhaust damper.	Cordless drill 3/8" drill bit	
OP-() Step 14 <i>Single Depth Cabinets</i>   <i>Double Depth Cabinets</i> 	Remove the terminal strip from the damper motor wire in the console and run through the top of the console into left raceway.  Run the wire through a portion of the 1/4" tubing supplied in the bottom of the console to protect the wire as it passes through the center roof extrusion.  Pull the wire from the damper motor through the grommet and towards the front of the cabinet.  <b>Note:</b> For single depth, front air intake cabinets, you will have to remove one length of cable from the console that was for the rear intake duct models.  <b>Note:</b> For double depth cabinets, wire first to the front air exhaust damper, then from the front to the rear exhaust, then from the rear exhaust to the intake damper motor.	Electrical screwdrivers	
OP-() Step 15	Connect the wires from the console and damper motor where they meet according to the wiring diagram using the terminal strip.	Electrical screwdrivers	

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Step (picture)	Step (Instructions)	Step (Tools Required)	Step (Safety & PPE)
OP-() Step 16	<p>For a rear intake cabinet, then run a second cable from the first terminal strip to the intake damper motor and repeat the process in step 14.</p> <p>For a double depth cabinet, run a second cable from the first terminal strip to the rear exhaust damper and repeat the process in step 14.</p>		
OP-() Step 17	For double depth cabinets only, run a third cable from the second terminal strip and connect with the intake damper motor.		
OP-() Step 18	Apply silicone around the edges of the dampers on the inside of the cabinet.		