Assembling MCU Skins

Applies to ☑ VLF Trendsetter AL

Background An MCU may occasionally have some or all of its panels removed (e.g., to fit through a customer doorway that is too small). These instructions describe how to reassemble the panels.

Steps **Note:** 3 people are needed to complete this procedure.

To assemble the side panels:

1. Have 2 helpers lift the side panel into position and hold it there. See Figure 1.



Figure 1: Positioning the side panels

2. Place blocks under the panel assembly to take some of the weight.
3. While the helpers continue to hold the panel in position, fasten the top and bottom screws at each end. See Figure 2.





Figure 2: Fastening the side panels

4. Install the chariot lockout cylinder. See Figure 3.



Figure 3: Installing the chariot locking cylinder

5. Install the chariot opening side panel. See Figure 4.



Figure 4: Installing the chariot opening panel

6. Attach the grounding wire (coming from the power switch assembly) to the floor panel. See Figure 5.



Figure 5: Attaching the grounding wire

7. Install the floor panel.
8. Repeat Steps 1-7 for the other side panel.

To assemble the front top panel:

1. Have two helpers hold the front top panel in place. The foam strip must be at the top of the panel.
2. Take the weight off the panel by loosely fastening the top fastener on each side. Be sure to include the spacers. See Figure 6.



Figure 6: Fastening the front top panel

3. Loosely install the remaining screws.
4. Tightly secure all of the fasteners.
5. Connect the cable inside the front top panel to the inside prong on the safety lockout switches on each side of the MCU. See Figure 6.

To assemble the hose and cable connections:

1. Fit the blower hose to the tube adapter coming from the plenum. See Figure 7.
2. Neatly route the hose from the blower to the plenum.

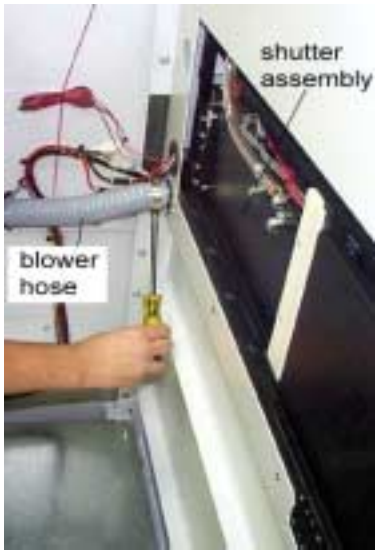


Figure 7: Connecting the blower hose

3. Connect all cables and hoses leading to the side panel assembly with the shutter.

   Note: There should only be one possible connection for the electrical cables. Pneumatic hoses should be connected according to color.

4. Connect the cables leading to the side panel assembly with the switch panel.



Figure 8: Connecting the safety loop and power cables

5. Route the power cable to connector J27 on the power distribution board (PDB).

To assemble the motor housing panels:

1. Position the motor housing side panels against the MCU side panels, using the keyholes along the front edge of each housing panel. See Figure 10.

   Note: Do not fasten the screws through the keyholes.

2. Secure the motor housing side panels to the mainframe.
3. Connect the safety interlock switch to the relay board and the roof safety loop.

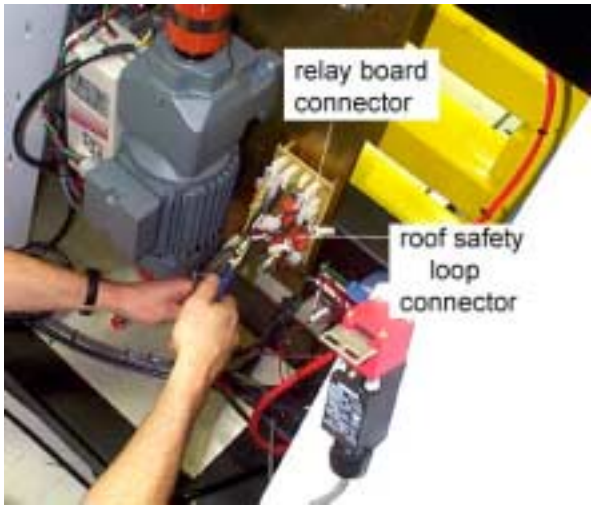


Figure 9: Connecting the motor housing safety switch

4. Neatly secure any loose cables.
5. Install the motor housing roof panel and secure it with the fasteners provided.



Figure 10: Iinstalling the motor housing panels

To assemble the roof panels:

The roof panels float. They are not securely fastened to the MCU.

1. Lift the roof panels and place them in position. The screw heads on the roof panels should line up with the holes on the side panel assemblies.

   Note: The front panel can be oriented with either curved side to the front. The rear panel must be oriented with the curved side to the front.

2. Check that all 4 screw heads on each panel are mated with the holes on the side panels, and that the screws actuate the orange safety switches.

Notes

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