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**PRODUCT:** AUTOMATED CATWALKS

**DATE:** 02/01/2008

**SUBJECT:** LOWERING CARRIER FROM OVERSHOOT

**MODEL:** PowerCAT 3000

**DISCUSSION:** The manuals for the PowerCAT 3000 did not contain instructions when the carrier goes to overshoot.

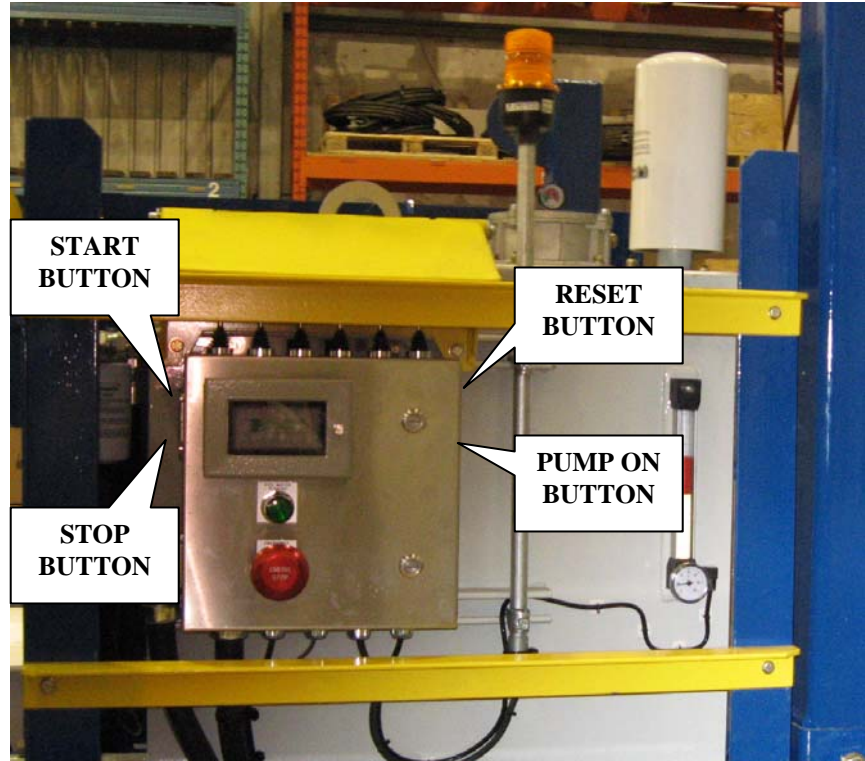
**RECOMMENDATION:**

The following procedures are for lowering the carrier after it has gone into CARRIER OVERSHOOT. Which procedure to use will depend on the physical circumstances and the program that is currently in the PLC.

- THESE PROCEDURES SHOULD ONLY BE PERFORMED BY PROPERLY TRAINED AND QUALIFIED PERSONNEL
- For a PowerCAT3000 with a PLC program Ver. 14 Rel. 6 or later with a screen program of Ver. 17 or later:
  1. Ensure that no one is in a position where they could be injured if the carrier moves in the following step.
  2. Open the control console that is mounted on the HPU tank and put the pump switch in the HAND position. The pump will start immediately. IF THE CARRIER MOVES, SHUT DOWN THE PUMP and call Canrig Field Service.
  3. The screen on the control console will display "STOPPED – CARRIER OVERSHOOT". To proceed you must press and hold the RESET on either the wireless control or control console. The screen will display "OK – NO ERRORS". While holding the reset scroll through the screens using the F1 or F2 keys until you get to the "PRESS F6 TO SET MOUSE POSITION" then press F6 once, the screen will then display "SET POS PRESS F6 CANCEL PRESS F5",

A screenshot of a control screen with a yellow background and black text. The text is arranged in two lines: "SET POS PRESS F6" on the top line and "CANCEL PRESS F5" on the bottom line.

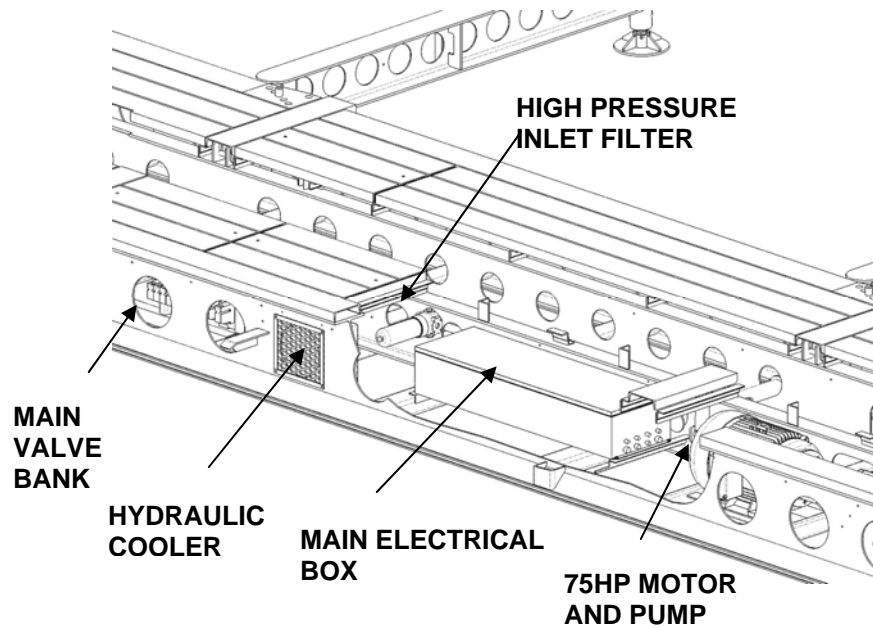
4. Use the encoder override mode to bring the carrier out of the overshoot condition by lowering the carrier until the end of the carrier is near the roller on the top of the ramp. To use the encoder override mode you must press and hold the RESET and MOTOR START buttons simultaneously either on the wireless control or the control console in conjunction with the CARRIER UP/DOWN joystick.



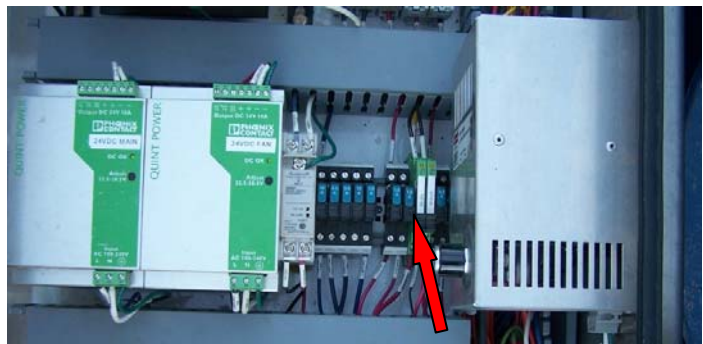
5. Once you have the carrier in the position described in Step 4, press F5 to CANCEL. The screen will display OK – NO ERRORS, you may continue to operate the catwalk normally.
6. BE SURE TO RETURN THE PUMP TO THE AUTO POSITION.
  - If the carrier continues to go into OVERSHOOT call Canrig Field Service.
- The following procedure is for catwalks with a PLC program OLDER than Ver. 14 Rel. 6 with a screen program of Ver. 17:

NOTE: This procedure requires a minimum of two people.

1. Remove the floor plates that are above the MAIN ELECTRICAL BOX and the catwalk MAIN VALVE BANK adjacent to the cabinet. If it is raining, snowing, foggy or very dusty take measures to prevent contamination of the internal components of the box prior to the next step.



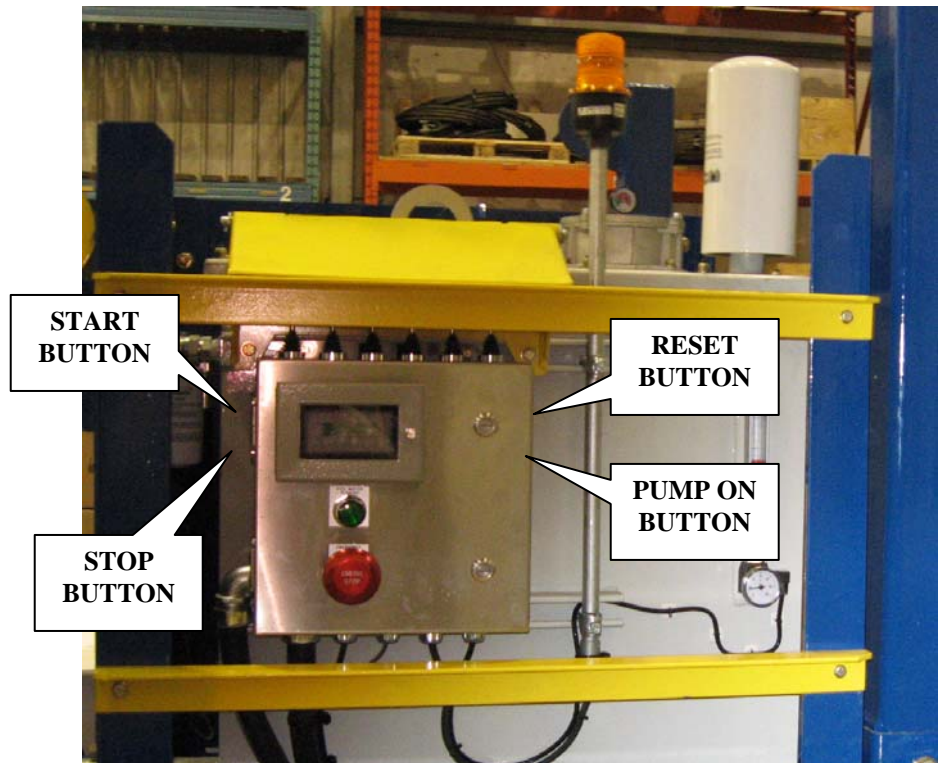
2. Open the MAIN ELECTRICAL BOX and find the 1.0 Amp breaker for the winch 12VDC power and open the breaker. To open the breaker depress and release the push button. It will be labeled with a "W", "WINCH" or "CARRIER WINCH". An example of the location of this breaker is shown below.



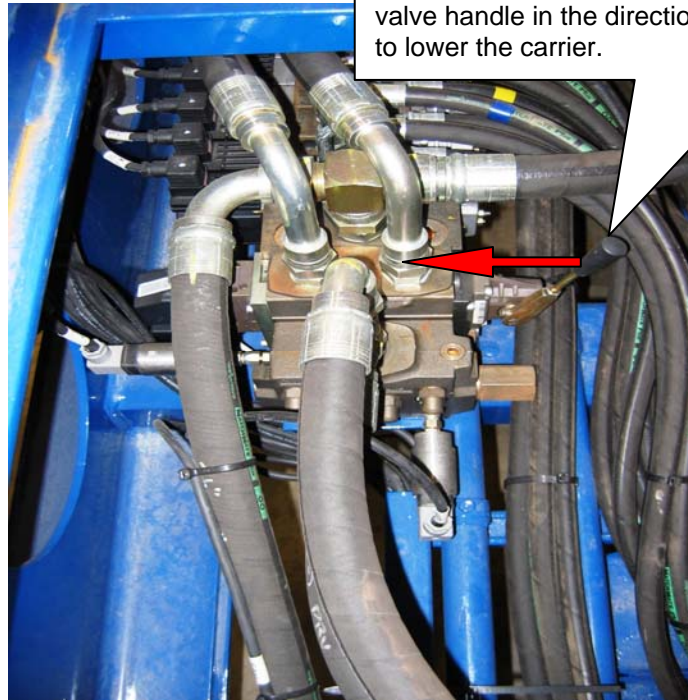
**This breaker MUST be opened to prevent damage to the winch valve manual actuator linkage.**

3. Ensure that no one is in a position where they could be injured if the carrier moves in the following step.
4. Open the control console that is mounted on the HPU tank and put the pump switch in the HAND position. The pump will start immediately. IF THE CARRIER MOVES, SHUT DOWN THE PUMP and call Carrig Field Service.

5. Use the encoder override mode and hold the CARRIER UP/DOWN joystick in the "DOWN" position to release the winch brake. To use the encoder override mode you must press and hold the RESET and MOTOR START buttons simultaneously either on the wireless control or the control console in conjunction with the CARRIER LIFT UP/DOWN joystick.



6. Simultaneously to releasing the brake (Step 6 above), press the PUMP ON button to load the pump. The pump must discharge 1500 PSI or more to overcome the winch counterbalance valve.
7. The SECOND PERSON must now use the valve handle, a nine millimeter wrench or small adjustable wrench to manually actuate the WINCH CONTROL VALVE as shown below.



CAREFULLY move the wrench or valve handle in the direction shown to lower the carrier.

8. Once the end of the carrier is near the roller on the top of the ramp, return the valve to its neutral position and release the controls. You may now close the breaker that was opened in Step 3 and secure the cabinet lid.
9. The screen will display OK - NO ERRORS. You may now return the floor plates to their proper location and resume normal operations.
10. BE SURE TO RETURN THE PUMP SWITCH TO THE AUTO POSITION.
  - If the carrier continues to go into OVERSHOOT call Canrig Field Service.
- If the Hydraulic Power Unit is inoperable the above procedures cannot be performed. In this event contact Canrig Field Service.

**INFORMATION:**

For further information contact:

For a complete list of all bulletins go to [www.canrig.com](http://www.canrig.com)

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