



RA400 Calibrating The Emulsion Valve



Always read the safety section of the manual before performing any maintenance or repair.

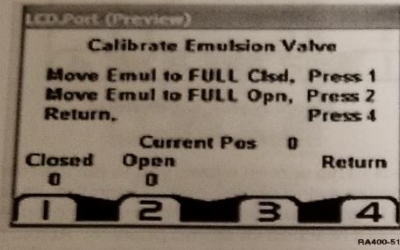
Designed with the Paving Professional in Mind.®

Component Location

The value in Closed should now match button until it has reached its maximum position.

Push button #2 and hold for a second to store the Open value in the Current Position. The value in Open should now match the value in Current Pos.

To exit this screen, hold the #4 button for 2 seconds.



Emulsion Valve Calibration

Figure 5-13

Figure 5-13 – This screen allows you to set the minimum and maximum Emulsion Valve (Emulsion Flow) position.

NOTE: Ensure that Manual Valve to Emulsion flow has been cut off. Using the Emulsion Flow INC/DEC button, hold the DEC button until the Emulsion Valve is Closed.

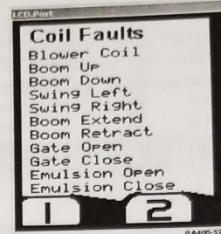
At this point, push button #1 and hold for a second to store the value in the Current Pos. The value in Closed should now match the value in Current Pos.

Proceed to hold the INC button until it has reached its maximum position.

Push button #2 and hold for a second to store the Open value in the Current Position. The value in Open should now match the value in Current Pos.

To exit this screen, hold the #4 button for 2 seconds.

Graphic Display Fault Code Screens



Coil Faults

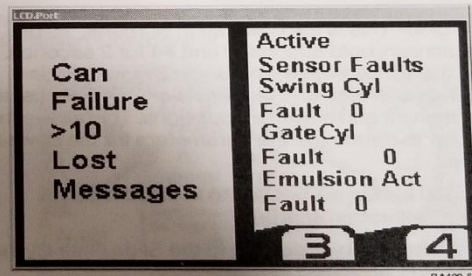
Figure 5-14

Figure 5-14 - This screen shows the following faults:

Blower Coil - The current sent to the proportional coil is 500 mA out of range (3.3%) for more than 1 second.

Boom Up, Boom Down, Swing Left, Swing Right, Gate Open, Gate Close - The coil has detected an Overload Condition.

Boom Extend, Boom Retract, Emulsion Open, and Emulsion Close - The coil has detected an Open Circuit.

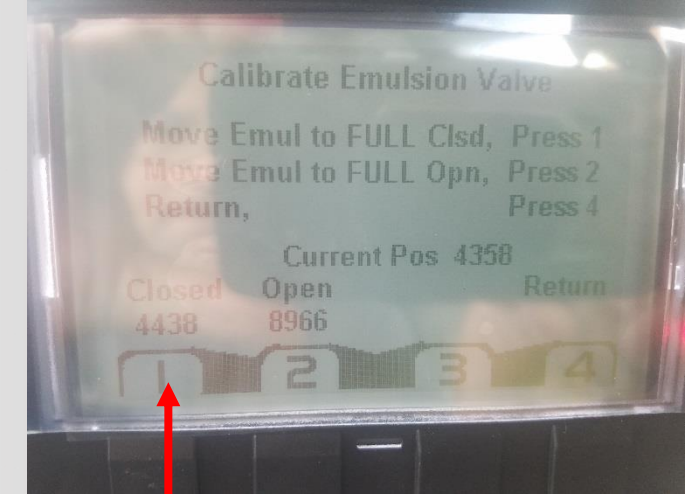


CAN and Sensor Faults

Figure 5-15

Figure 5-15 - The left screen shows CPU faults and the right screen shows fault codes for the three sensors. The number shown indicates which fault is active per the following table:

Calibrate Emulsion Valve



Step # 1
Press the Emulsion DEC until the flats are in the closed position. If needed the operator may have to press the INC to get the flats in position.

Step # 2
Once the flats are in the closed position press # 1 to lock in those values.

The flats should be straight across when the valve is in the closed position.



Calibrate the Open Position Step # 1

Press the Emulsion INC to get the flats on the vale in open position. If needed the operator may have to press the DEC to get the flats in position.



Step # 2

Once the flats are in the open position press # 2 to lock in those values. **Press # 4(Return) to exit out of calibration.**

The flats should be up and down in the open position.