Using RAS Mode to Adjust the POM

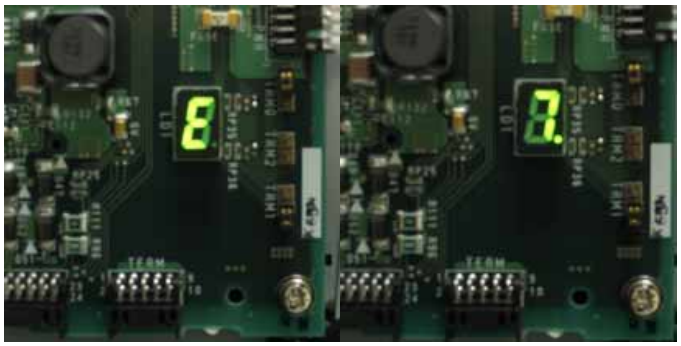
1. **Locate the jumpers on the main control board.**

With the power OFF, place the TRM2 jumper on BOTH pins to short TRM2.

2. **Now turn the power ON, and watch the LED cycle from 0 through B and then start over.**

When the LED displays 9, pull off the jumper.

3. **RAS mode 9 will display the current value of the thickness sensor level. Since there is only one digit, it will alternate between the two values as shown in the pictures. This is a hex value and SHOULD be in the range of E5 to E9**

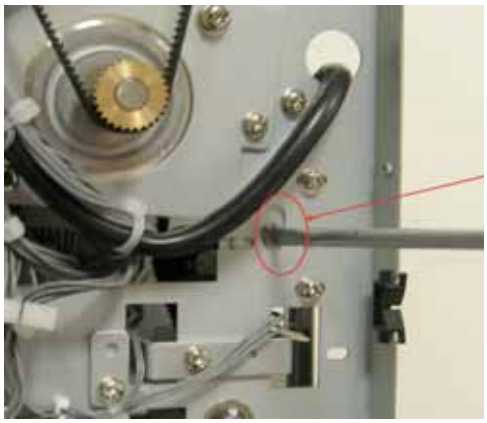


4. **If the value is out of the prescribed range, the sensor will need to be adjusted mechanically.**
Loosen the two mounting screws SLIGHTLY.
A one-eighth turn is enough.

5. **Turn the adjustment cam (shown) very slightly, to cause a change in the value of the sensor output.**

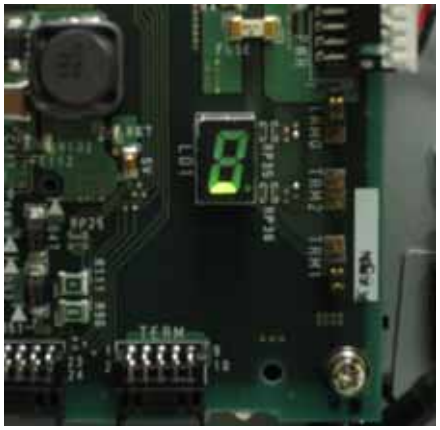
If the cam is turned too much, the cam will go higher than necessary. It will pass out of range.

The current range is 0 to FF.



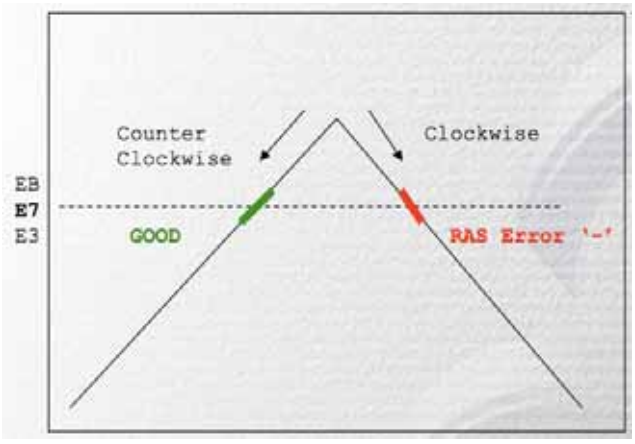
6. **Once the correct adjustment is has been made place the jumper back on TRM2. The LED display will start counting again.**

When it reaches "A", pull off the jumper. The BDU main motor will cycle once and then display a dash as shown.



7. **A thickness standard gauge is needed to complete the adjustment.**

Thickness Sensor Eccentric Adjustment range.



8. **The thickness gauge can be inserted either in the feed area after removing the second cassette, of if the rear is accessible, it can be inserted below the bottom belt.**
Using the green feed wheel, work the gauge up into the thickness sensor as shown, making sure that it has gone at least 1 inch past the stainless steel rollers.

9. **With the gauge in place, the output should display a final value of 0-4.**
If a good value displays, reinstall the Jumper. The display will begin counting down after two seconds and the settings are complete.

If the output is higher than this, or the dash does not change to s numeric value, the mechanical adjustment, RAS 9, will need to be performed again. When this happens, the unit will not exit RAS and a power reset will be necessary to start again.

10. **The easiest way to remove the thickness gauge, pull the jumper back off when the display reaches zero. This will run the continuous motor test and will send the note to the reject bin.**

Once the gauge has been placed there, place the jumper onto ONE PIN ONLY and this will power reset the BDU.

Once the cycle is complete, run a dispense test to ensure correct operation.