

## **DETECTO AS-350D Calibration Procedure** for General Calibration or "FAIL 4", "OL" Message on Display

When a DETECTO AS-350D displays "FAIL 4" or "OL" the scale has needs to be re-calibrated OR you may possibly have a failed motherboard. Often re-calibrating the scale will put it back to normal. These instructions are provided as a temporary measure to get your scale working again. The weight you will use for calibration below is not 100% accurate, just close. Plan on having your scale calibrated in the near future by a local dealer. Following are instructions to re-calibrate a DETECTO AS-350D scale:

1. You'll need a flat head screwdriver, Phillips screwdriver, needle nose pliers, a 50 LB weight and 20 minutes of time with NO interruptions.
2. The 50 LB weight can be anything. If you have second scale, use that to put together 50 LBS. Or make up 50 LBS now while the scale is working and store it away until some time in the future when you may need it. Make sure the weight is exactly 50 LBS. The 50 LB weight you create will not be certified, but darn close.
3. Turn the scale OFF. Disconnect the serial cable (if you are using one). Lift off the top platform. In the upper left is a black cover with 2 Phillips screws. Remove this cover.
4. You are now looking down into the electronics of the scale. Look for a 1/4" thick metal rectangle about an inch long standing upright. This is a cover for a small jumper we are going to remove.
5. Turn the scale upside down and look for two flathead screws about an inch apart near the center of the scale (they look different from other screws on the bottom). Remove the screw closest to the center and slightly loosen the other one. You'll now be able to pivot that thick metal rectangle.
6. Turn the scale right side up. With your finger reach in the hole and pivot the thick metal rectangle towards you exposing a small jumper that is a rectangle standing upright. It is about 1/4" W x 1/2" H x 1/16" thick.
7. Wrap your needle nose pliers over this jumper and pull straight up. Set it aside. Don't lose it.
8. Put the platform back on the scale. Turn the scale ON. The scale will go through a start up procedure and end up with a small blue light on the display. Now press the ZERO button.
9. The scale will read "Load". Put your 50 LB weight on the scale. Let it sit for at least 15 seconds. Now press the ZERO button. The scale will read "UnLoad". Take your 50 LB weight off the scale. Now press the ZERO button. The scale will read "Done".
10. Turn the scale OFF. Remove the platform. Place the small jumper in your needle nose pliers and reinstall in the scale. Pivot the thick rectangle back in place.
11. Turn the scale upside down. Replace the flat head screw and tighten the other one.
- 12 Turn the scale right side up. Replace the black cover with the two Phillips screws. Replace the platform.
13. Reconnect the serial cable to the PC (if you were using one).
14. Moment of truth. Turn the scale ON. The scale should go through the start up procedure, and read zero or close to zero. If it does not read zero, press the ZERO button. If the scale still reads "Fail 4" or "OL" your motherboard needs to be replaced.