

# P/N 290685 Load Cell

## Automated Equipment, LLC

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## Load Cell P/N 290685 Replacement and Calibration

### Tools Required

- Phillips screwdriver
- Flat blade screwdriver
- Small flat blade screwdriver
- 3/16" allen wrench

*Note: The new load cell may not look the same as the old load cell. Three different suppliers have been used.*

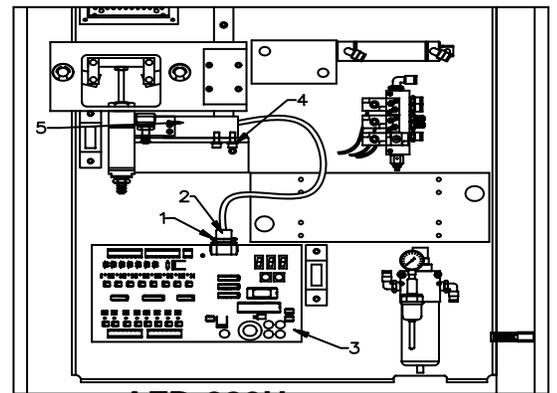
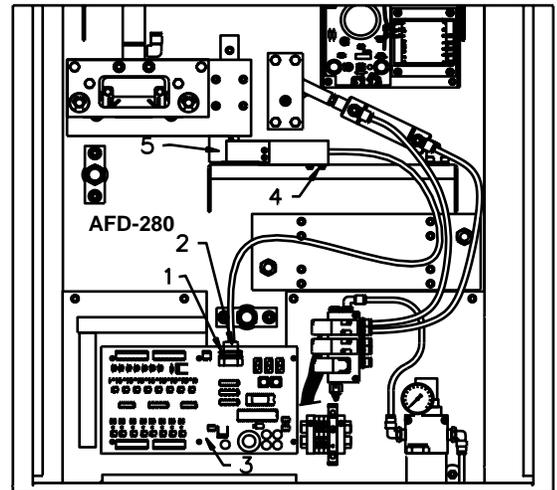
### Removal

1. Turn the power off and unplug the power cord.
2. Remove the back panel from the dispenser.
3. Loosen the load cell connector screws (item #1) and remove the load cell connector (item #2) from the controller board (item #3).
4. Remove the two load cell mounting bolts (item #4) and remove the load cell (item #5).

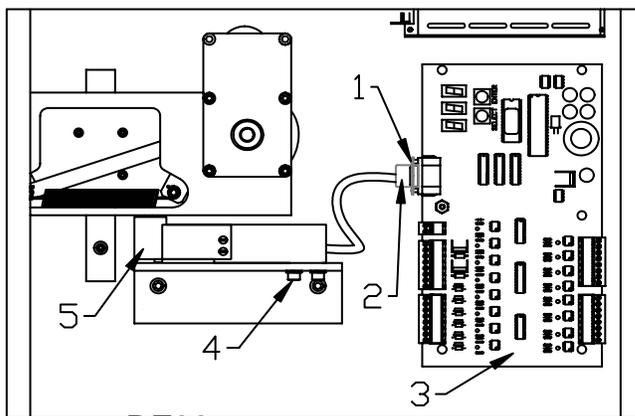
### Installation

1. Install the load cell (item #5) with the supplied bolts. Tighten the bolt nearest the cord first.
2. Connect the load cell connector (item #2) and tighten the screws (item #1).
3. Calibrate the load cell. See page 2.
4. Replace the back panel and put the dispenser back in service.

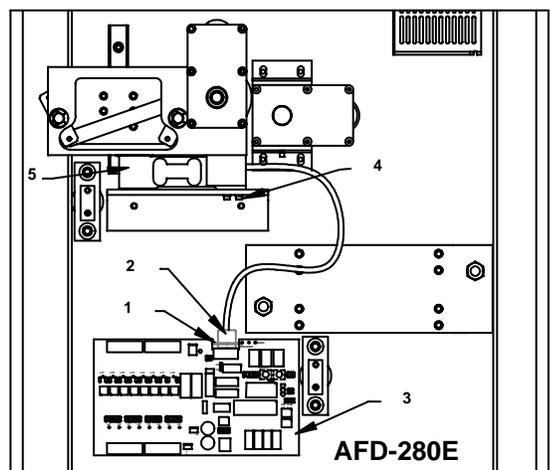
*Note: the DF22 shown is a right hand dispense. If your dispenser is left hand dispense it will mirror the diagram.*



**AFD-280U**



**DF22**



**AFD-280E**

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**Load cell calibration**

1. Remove the hopper from the dispenser.
2. Verify that the accumulator doors are empty and collars on shafts of doors are 1/8 inch away from cabinet wall.
3. Turn the power switch to the ON position.
4. AFD-280E dispensers only: Select Function 30 (lift up position) and press enter. Record the lift up position on the display.
5. Select Function 17 (to restore defaults) on the controller board and press the Enter Button.
6. *Note: For International units of measure: Select Function 25. "US" on display. Press Enter again to change to "IN".*
7. Select Function 4 (Tare Function) on the controller board and press the Enter Button.
8. Place a 1.0 pound (500 gm) weight on the accumulator doors (four 1/4 pound patties is fine).
9. Select Function 5 (Calibrate Function) on the controller board and press the Enter Button. "CAL" on display.
10. Wait 10 seconds for the load cell to stabilize and press the Enter Button again. This sets the calibration.
11. Remove the 1.0 pound weight and turn the power switch to the OFF position.
12. AFD-280E dispensers only: Select Function 30 (lowers lift height) or Function 31 (raises lift height) and enter the lift up position counts recorded in step 4, then press the select button. Verify basket transition from upper guide to saddle and adjust lift up position counts if needed.
13. Reinstall the hopper and put the dispenser back into operation.