

# CALIBRATION PROCEDURE ATX-2

The ATX-2 has two tanks, each mounted on a load cell. One tank is for new fluid and one is for used fluid. Each tank is **permanently bolted** to a load cell platform which can not be removed from the unit. The calibration procedure below must be performed for **both** load cells. **Never calibrate only one load cell as an imbalance may occur and the ATX-2 will not operate correctly.**

## REASONS TO CALIBRATE LOAD CELLS

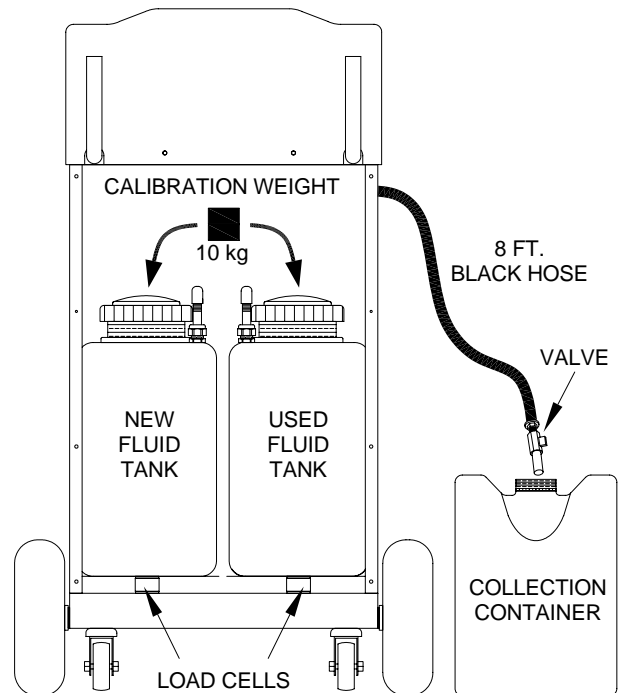
1. **REMOVE USED FLUID** flashes and three beeps are heard when trying to select amount of fluid to be exchanged. The level of fluid in the used fluid tank is observed to be such that the tank is not full or would not fill to capacity during an exchange procedure. For example, **8 QUARTS** is pressed and there is obviously room in the used fluid tank to accept 8 or more quarts. Calibrate **both** load cells.
2. **ADD NEW FLUID** flashes and three beeps are heard when trying to select amount of fluid to be exchanged. For example, **8 QUARTS** is pressed and more than 8 quarts of fluid can be seen in the new fluid tank. Calibrate **both** load cells.
3. **REMOVE USED FLUID** flashes continuously. This indicates that the load cell for the used fluid tank has floated out of range. Calibrate **both** load cells. Replace used fluid load cell if problem still exists. Calibrate.
4. **ADD NEW FLUID** flashes continuously. This indicates that the load cell for the new fluid tank has floated out of range. Calibrate **both** cells. Replace the new fluid load cell if the problem still exists. Calibrate.
5. **REMOVE USED FLUID** and **ADD NEW FLUID** both flash continuously. A component has probably failed on the control board (replace control board).
6. The control board is replaced for any reason. **BOTH** load cells must be calibrated.

## CALIBRATION OF LOAD CELLS

1. Remove the rear panel.
2. Connect an adapter fitting to the 8 ft black hose. Place the end of the hose into a collection container.
3. Press and hold **4 QUARTS** and **20 QUARTS** buttons until a long beep is heard.
4. Select which load cell is to be calibrated.
  - a) Press **-1/2 QUART** to calibrate the used fluid load cell. **REMOVE USED FLUID** will be flashing throughout the remaining steps. A short beep will be heard.
  - b) Press **+1/2 QUART** to calibrate the new fluid load cell. **ADD NEW FLUID** will be flashing throughout the remaining steps. A short beep will be heard.

The pump will run and empty the contents of the selected tank through the 8 ft black hose into the collection container.

5. Press the **STOP** button when fluid is no longer leaving the machine through the black hose and the selected tank is empty. The pump will stop running. The **4 QUARTS** will be flashing. A short beep will be heard. Check that the tank is empty.
6. Press the **STOP** button again. The **12 QUARTS** will be flashing. A short beep will be heard. This programs the minimum weight.
7. Place two 5 kg or one 10 kg calibration weight on the top of the selected tank. (10 kg = 22 lbs)
8. Press the **STOP** button. The **12 QUARTS** will be illuminated. A short beep will be heard. This programs the maximum weight.
9. Remove calibration weight(s) and replace rear cover.
10. Press the **STOP** button again. A short beep will be heard. The machine returns to regular operating mode.



**RTI Technologies, Inc**  
10 Innovation Drive  
York, PA 17402  
717-840-0678

**560-80216-00 (Rev C)**