

SOFTSWITCH NUMBER	DESCRIPTION
50	<b>LOAD CELL OUTPUT DIAGNOSTIC</b> 1 = Enter section 50. 0 = Skip to next section.
51	<b>READ INDIVIDUAL LOAD CELL OUTPUT</b> (See Section 4.4) Press the TARE key, the display shows [51 1]. Press the PRINT key, the display will show [CELL X XXXX] (the raw load cell output, no shift value supplied). Pressing the TARE key will display the next cell number (CELL x) momentarily followed by the weight reading. Press the CLEAR key to exit this mode (fall through to step 99).
99	Press the setup switch to exit the setup mode.

#### 4.4 VERIFY LOAD CELL COUNT OUTPUT

Verification of initial load cell count is necessary to determine if each load cell is carrying its share of the load. Before performing this test, make sure that the scale is level, it has repeatability, and that platform rocking does not exist. The procedure for correcting these conditions may be found in the technical manual for the scale base.

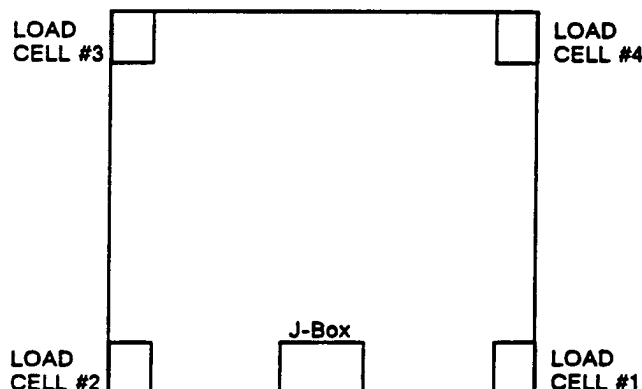
4.4.1 Verify Load Cell Counts – With the display showing [10 0] as indicated in Section 4.2.3, press the PRINT key four times. The display should read [50 0].

4.4.2 Press the TARE key to change the "0" to a "1"; display now reads [50 1].

4.4.3 Press the PRINT key; the display will show [51 1].

4.4.4 Press the "PRINT" key again and the display will show [CELL 1 XXXXX], indicating the counts for that load cell.

**NOTE: LOAD CELL #1 IS THE CELL TO THE RIGHT OF THE J-BOX (VIEWED FROM THE TOP OF THE DECK). CELLS 2, 3, & 4 ARE LOCATED CLOCKWISE FROM CELL 1.**



4.4.5 Press TARE to view the output for each of the load cells.

4.4.6 All corners must be within  $\pm 1000$  counts of each other. If required, shim to obtain this. Refer to the scale base technical manual for shimming instructions).

4.4.7 Press CLEAR to exit.

#### 4.5 SHIFT ADJUSTMENT

Shift adjustment is a precision electrical adjustment required to bring the output voltage (signal) of each load cell into agreement with the other cells in the system. This adjustment should be made only after all mechanical parts are checked, and the scale has proven repeatable. Repeatability is checked by repeatedly placing a test weight on the same position of the platform and checking for identical indications.

The test weight used should be an amount close to scale capacity. The recommended test weight is 2/3 of scale capacity, the minimum is 10% of scale capacity.

4.5.1 Press the setup mode switch at the end of the Display PCB, as shown in Figure 3. The display will show [10 0]. Press the TARE key to change the "0" to a "1". Press the "PRINT" key twice to advance to the SSW12 [12 0]. Press the "TARE" key to the "0" to "1", then press "PRINT" to enter the SHIFT ADJUST mode.

4.5.2 The display will show [tot x] where x is either 2, 3, or 4 for representing the number of load cells in the scale system.

Press TARE key to select 2, 3, or 4, then press PRINT key. Display will show [-----].

Empty the scale platform and press the PRINT key.

The display counts down from 15 to 00 while it waits for the filtered weight to settle. The display will show [CELL 1].

Place test weight over Cell 1 and press the PRINT key.

**NOTE: Cell 1 is the first load cell clockwise from the junction box (viewed from the top of the platform). Cells 2, 3, and 4 are clockwise from the Cell 1.**

The display counts down from 15 to 00, while it waits for the filtered weight to settle. Display will show [Cell 2].