

## TMS-13700 CALIBRATION INSTRUCTIONS

If the pointer on the pressure manometer P/N TMS-13700 does not return to rest on the stop pin with no pressure applied, recalibrate the manometer as follows, as long as the pointer is resting at no more than 4 cm on the dial:

1. Insert a small flat-bladed screwdriver in the recalibration hole at the rear of the pressure manometer. The hole is found at approximately the 9 o'clock position of the outside arc of the housing with the hose barb connection in the 6 o'clock position.

2. Turn the small screw inside the hole in a counterclockwise direction slowly until the pointer rests gently on the stop pin. The manometer should now be accurate across the entire range. If the manometer appears to read pressures lower than the applied pressure, it can be recalibrated as follows if a known pressure source is available:

1. Apply a known pressure of approximately  $\frac{1}{2}$  the full-scale range (15 cm).

2. Insert a small flat-bladed screwdriver in the recalibration hole at the rear of the manometer. The hole is found at approximately the 9 o'clock position on the outside arc of the housing with the hose barb connection at the 6 o'clock position.

3. Turn the small screw inside the hole in a clockwise (and back counterclockwise if you overshoot the mark) direction slowly until the pointer indicates 15 cm of water exactly (or the known applied pressure, if different). It is best to check the manometer at the 5 cm and 25 cm points to insure no serious damage caused the manometer to be rendered inaccurate. The pressure manometer is now accurate across the entire range.

Application of pressures in excess of 30 cm of water, even for a short period, can permanently damage the sensing element and render the manometer inaccurate across the entire range. In this case, the recalibration screw will not return the gauge to zero and the gauge is probably not salvageable. Any attempt to repair by opening the case by the user voids the warranty. If the manometer will not recalibrate, it should be returned to Tiara Medical Systems, Inc. for evaluation.