

## **PROCEDURE - PRESSURE TRANSDUCER ZERO ADJUSTMENT**

### **USING GRAPHIC CONSOLE FOR ZERO-SETTING OF PRESSURE TRANSDUCER & FORCE INPUTS**

The zero setting consists of defining zero-point offset. The zero point offset is added to the transducer measurement to calculate the real physical pressure or force.

To define the zero-point offset the pressure transducer or force sensor must be in equilibrium (no load condition). Therefore the boom must be lowered all the way down (no rest pressure) and the hydraulic hoses disconnected from the pressure transducers.

**CAUTION:** Ensure there is no pressure in the hydraulic line when disconnecting the hoses from pressure transducers.

### **ACTIVATING THE ZERO-SETTING FUNCTION**

To activate the zero-setting Function, press the INFO key on the console to activate the INFO Function. Now press the CTRL key. At this point, a five digit Authorization Number must be entered. Only authorized personnel may adjust the zero-point settings.

Example: 6 4 3 5 6

### **ZERO-SETTING THE TRANSDUCER INPUTS**

Now, having successfully entered a valid password, the piston-side zero-point setting function is activated.

The display shows which transducer (piston-side, rod-side or force) is being zeroed and a horizontal dial marks the present pressure (or force) difference in %. By pressing the + key, the input pressure (or force) is adjusted upwards, and by pressing the minus (-)key, the input value is adjusted downwards. When the plus (+) and minus (-) keys are pressed simultaneously, the zero setting occurs automatically. Manual adjustments may be preformed using + or -.

The return key toggles between the piston-side, the rod-side, and the force zero-setting.

When the operator is finished, pressing the EXC or INFO key returns the console display to normal.