instructions for

LESLIE CONTROLS

ADJUSTING STEM LENGTH AND BALANCING OF SENSING DIAPHRAGMS

LEVEL CONTROL PILOTS

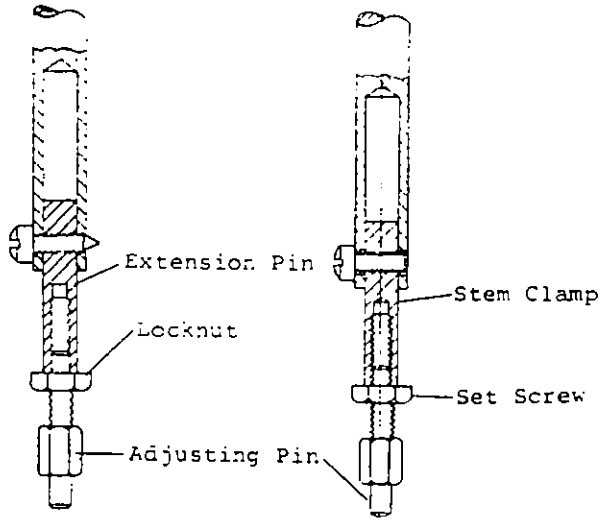
LAU-2 AND LAUB-2 FIXED BAND TYPES

ADJUSTMENT PROCEDURE – STEM LENGTH

Supply 20-22 psig operating pressure to the pilot controller. Turn adjusting nut to compress adjusting spring to set upper diaphragm against its top limit stop. If possible, remove fluid pressure from diaphragms, if not compress spring sufficiently to overcome fluid pressure and move diaphragm to stop.

Loosen adjusting pin lock nut or set screw on older models and turn adjusting pin either up or down in extension pin or stem clamp threads until pilot air output is 1/2 psig. Next move adjusting pin upward away from pilot body ONE FULL TURN and tighten locknut or set screw as case may be.

EXTENSION PIN TYPE STEM CLAMP TYPE



BALANCING OF SENSING DIAPHRAGMS

Static pressure changes in a closed vessel (e.g. change in steam pressure but not level) should not affect pilot air output pressure. If they do, readjust adjusting pin as shown below until air output pressure is not affected by static pressure changes.

Move adjusting pin in very small increments (1/16" or less). Never turn pin indiscriminately either way to a point where pilot will not respond to level changes.

1. If an increase in static pressure causes an increase in air output pressure, screw adjusting pin toward diaphragm large and away from pilot body.
2. If an increase in static pressure causes a decrease in air output pressure, screw adjusting pin away from diaphragm large and toward pilot body.

Both the LAU-2 and LAUB-2 type Level Control Pilots have a fixed band of 7 inches W.C. (Level change required for 3 psig to 15 psig air output.)

REMEMBER TO: bleed all air from diaphragm chambers and to fill reference leg before cutting in system.

VACUUM SYSTEMS: both variable and reference leg piping MUST be vacuum tight.