

## LINEAR MEASUREMENT INSTRUMENTS, Corp.

Research, Development and Manufacturing of Precision Measuring Systems

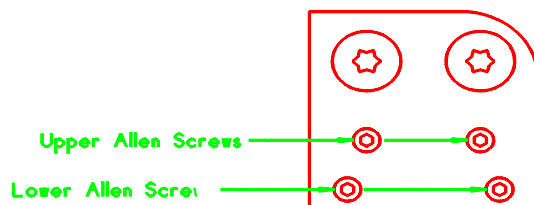
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### LMI 770 & 241 FLUSH/GAP TRANSDUCER SPRING PAD ADJUSTMENT INSTRUCTIONS

1. With the gage removed from the LMI 720 master block, using a .050 allen wrench, loosen the (4) #4-40 allen screws located in the backing plate until they no longer touch spring pad. (See Figure 1)
2. Secure the gage onto the LMI 720 master block. (See Figure 2)
3. With the gage on the LMI 720 master block, tighten the upper (2) allen screws equally until the allen screws push the spring pad against the side of the LMI 776 block to eliminate any rotational play. (See Figure 1)
4. Secure the transducer repeatedly onto the master block. Verify that the transducer “snaps” into position and the desired repeatable reading is achieved. (Minor adjustments may be needed at this point).
5. With the gage secured to the LMI 720 master block, tighten the lower 2 allen screws equally until they “lightly contact” the spring pad. (See Figure 2)
6. Secure the transducer repeatedly onto the master block. Verify that the transducer “snaps” into position and the desired repeatable reading is achieved. (Minor adjustments may be needed at this point).
7. Both spring pads should periodically be inspected and adjusted if desired repeatability is not being achieved.

**NOTE:** Older 770 transducers are sometimes harder to adjust because manufacturing tolerances were different and it is difficult to see between spring pad and backing plate.

**FIGURE 1**



**FIGURE 2**

