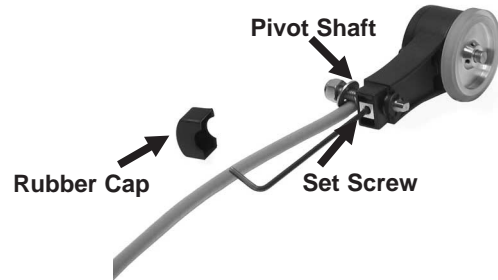


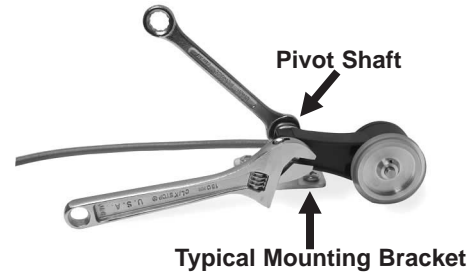
LSM INSTALLATION AND REMOVAL

INSTALLATION

1. Remove the rubber cap and verify the set-screw in the spring adjustment collar is loose. The LSM pivot shaft should rotate easily by hand.



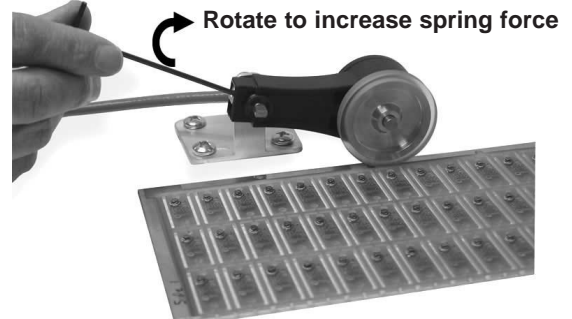
2. Install the threaded end of the pivot shaft through the mounting bracket. Install the washer and nut provided finger tight. The mounting bracket is typically supplied by the customer and would vary from application to application. The recommended hole diameter in the mounting bracket should be just large enough for clearance of the 1/4" or 6 mm pivot shaft and between 0.5" to 1.5" above the material surface.



3. Hold one end of the pivot shaft with a wrench while the nut is securely tightened.

4. At this point the LSM housing assembly should rotate easily around the pivot shaft.

5. Rotate the housing so the measuring wheel is contacting the surface to be measured. Insert the hex key into the setscrew on the spring adjustment collar. Using the hex key arm for leverage, rotate the collar around the pivot shaft in the direction necessary to increase the spring force that holds the measuring wheel against the surface to be measured. Tighten the setscrew securely while maintaining pressure.



Note: The spring adjustment collar should not be rotated so far that it bottoms out against the internal stop or the LSM will not have sufficient travel to accommodate variations in the surface height of the material being measured. For most applications the spring setting in it's mid range (about 2 pounds) is satisfactory. The spring force can be checked by carefully lifting up on the wheel. You should be able to lift the wheel 1/8" to 1/4" off the surface being measured. If not, repeat step 5.

6. Install the rubber cap.

REMOVAL

1. Remove the rubber cap.
2. Loosen the setscrew in the spring adjustment collar. The LSM should rotate easily around the pivot shaft.
3. Hold one end of the pivot shaft with a wrench while the lock nut is removed.
4. Remove the LSM from the mounting bracket and install the washer and lock nut on the shaft by hand.