

# How does "Proadjuster" work?

To better understand, let's examine the idea of palpation (using touch to feel body tissues or organs). When chiropractors palpate the spine and joints, they are checking for joint fluidity, motion and or rigidity. Improper motion affecting the nerve impulse function is one of the dysfunctions which are present when a spinal vertebral segment is not properly moving, particularly when the unhealthy motion produces clinical signs and symptoms. In a similar fashion to palpation, the proadjuster can determine whether the vertebra's motion is too rigid or too fluid. The spine should not be too rigid (hypo-mobile). However, instead of utilizing the doctor's subjective judgment as to what areas are hyper-mobile or hypo-mobile (too loose), the proadjuster measures precise levels of motion. Therefore, the proadjuster can isolate a problem area faster and more accurately than subjective manual procedures.

If you have ever "flinched" at something, you know exactly what is meant by this. The piezoelectric sensor in the proadjuster responds and registers information faster than your body's ability to react, especially when you are sore. Therefore, a precise and accurate picture of the extent of rigidity or fluidity of each vertebra is reflected.

A light 6 pounds force is introduced into the vertebra to check for fixation. That light force is reflected back to the piezoelectric sensor, which measures the reflective force, sending it to the computer for interpretation. This occurs before the muscle can normally respond with a contraction. This is the same technology and same type of instrument that NASA engineers have used in the space program in order to evaluate the integrity of the ceramic cooling tiles on the outside of the space shuttle. The aviation and civil engineering industries have used this technology in order to test for unseen metal fatigue in aircraft and bridge spans.

Chiropractors apply this highly sophisticated technology to the human spine for evaluation of a specific vertebrae's movement function.

## How can anything so gentle and comfortable improve spine function?

The proadjuster produces a precise oscillating force with uninterrupted motion. It is able to normalize the mobility of the spinal segments by reducing or enabling motion in the abnormal areas. In other words, the proadjuster is "unsticking" the joint. Have you ever seen a woodpecker tapping in an oscillating fashion on a tree? It is hard to believe, but you can watch them bore right through the hardest wood! Proadjuster taps in much the same way but uses soft tips that are comfortable to the human body and do not create muscle, tendon, ligament (including the spinal disc) damage. The spines of individuals with spinal disc degeneration/vertebral bone spurs easily absorb the percussive forces without irritation.

### ABOUT SIGMA...

For over 20 years, proadjuster has manufactured the leading chiropractic adjustment device, which enables doctors and patients with advanced technology, products and services.

**Established: 1996 – 20,000,000 Million Annual Patient Visits**  
**30,000 Installations**