

HOW TO ADJUST ECCENTRIC WEIGHT ON ROTARY ELECTRIC VIBRATORS

THE PROCEDURE TO SET UP WEIGHTS CORRECTLY IS RATHER STRAIGHTFORWARD BUT PROPER SETUP IS CRITICAL TO THE OPERATION AND THE LONGEVITY OF THE UNIT TO WHICH THE VIBRATOR IS ATTACHED.

1 POWER OFF

Disconnect the power supply to the vibrator to prevent unintended or unexpected starting of the vibrator while adjusting the weights.



2 DE-BOLT

Using the appropriated sized wrench, remove the four bolts that hold the vibrator's weight cover in place. Repeat on the opposite end of the vibrator.



3 ADJUST WEIGHTS

To adjust the force output of the vibrator, only adjust the position of the outer weight. Do not adjust or move the inner weight. Loosen the bolt that clamps the weight to the shaft. Once the bolt is loosened the weight can be rotated about the shaft to a new position. Use the punch mark as a guide.



4 RETIGHTEN WEIGHT BOLT

After rotating the outer weight to its new location, retighten the weight bolt, clamping the weight securely to the vibrator shaft. After tightening the weight clamp bolt, double check to make sure that the weight didn't move while being tightened onto the shaft, if the punch mark is off the desired scale plate mark, loosen the bolt and reposition the outer weight. Retighten the bolt and make sure the weight is fixed to its new location.



5 REPEAT

Repeat the weight adjustment procedure on the opposite end of the vibrator. As stated before, it is very important that the outer weight on each end of the vibrator is set to the same position as indicated on the scale plate. For example, if one outer weight is set to 80% the other weight must set to the same position.



6 REPLACE WEIGHT COVERS

Replace the weight covers on the vibrator. Ensure that all weight cover bolts are used and tightene d in place.



7 REPEAT PROCESS

If the vibrator that was adjusted is mounted to a piece of vibratory equipment that uses two rotary electric vibrators, repeat this procedure on the second vibrator. Both vibrators must have identical weights settings on both ends of both vibrators.



8 RECORD & RETURN

Record the new weight settings for future reference and return the vibrator to service.

