

Dan Kubin Weighted Impact Screw Kit / Upgrade Step by Step (see pictures for guidance)

- 1.) Use the 1.5mm wrench to loosen the set screw on the side of the armature bar. Half a turn should loosen it enough to easily remove the impact screw.
- 2.) Hold down the armature bar and use the 2mm wrench to remove the old impact screw. Once removed, use the 1.5mm wrench to insert and tighten the weighted impact screw down until the o-ring starts to bulge out as it makes contact with the top of the armature.
- 4.) Tuning - this is the most important step and will effect the timing and stroke of your machine.
 - a) While holding the armature bar down, roll the cam back until it makes contact with the vertical spring and gently stops. In this position the timing mark on the cam should align with the center of the timing mark on the frame.
 - b) If the timing mark on the cam is on the low side of the timing mark on the frame, tighten the weighted impact a little until it raises up to the center of the timing mark on the frame.
 - c) If the timing mark on the cam is on the high side, the impact is too far in and needs to be backed out (loosened) until the timing mark on the cam is in the center of the timing mark on the frame.
- 5.) Use the 1.5mm wrench to tighten the set screw on the side of the armature bar.
- 6.) Your machine is now upgraded and ready to use. **One note would be that the new impact works well with the rubber band pulled slightly higher on the needle bar so it is perpendicular when the armature is in the down position.**

