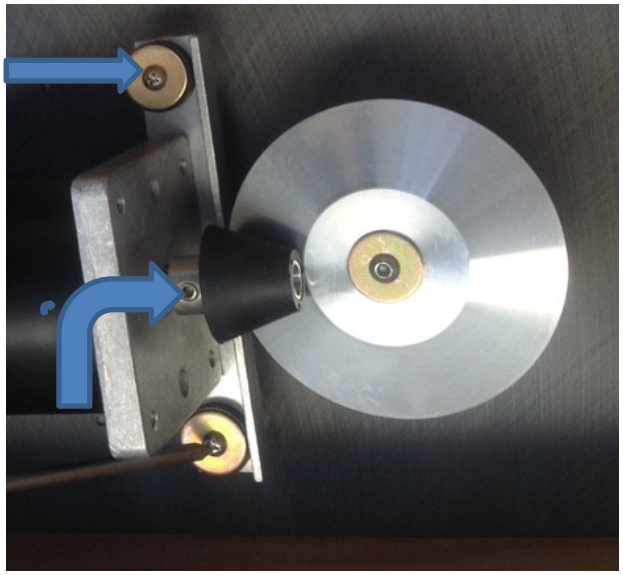
TORQUE: Torque, set initially at the factory, is the result of the interaction between the rubber Drive Cone (mounted on the motor's output shaft) and the Driven Disc. Generally, no adjustment is needed – but it is not uncommon (after an initial "run-in" period) that some increase in torque is needed.

If there is not enough torque to spin the Lap – that is, the Lap stalls when pressure from the stone is applied to the Lap's top surface – it is necessary to increase the torque. To do that, the pressure of the rubber Drive Cone against the aluminum Driven Disc has to be increased. To get to the torque-adjustment feature, set the Base onto it's back-facing edge, allowing access to the bottom of the Base plate, where the Motor is mounted. With a screwdriver, very gradually tighten the two *forward* Motor Mounting Screws (see the two blue arrows). Balance the tightening between the two screws rotate the screws in small increments.

You will see, and feel the increase in torque. When the Base is sitting on its rear edge you can reach around to the top of the Base plate, and grip the Platen. Turn on the machine and feel the increase in torque. Don't over-tighten – stop when it feels like it is enough (if it is left still too-light) you can always go back and tweak it a bit more.

REPLACE THE DRIVE CONE: To remove the old Drive Cone, first loosen the set screw that holds the Drive Cone to the Motor shaft. Then, loosen the two front motor-mounting screws allowing you to lift the front of the motor – providing space for the Drive Cone to pull away from the Driven Disk – allowing the Drive Cone to be pulled forward, and off the shaft.



Setting on the replacement is the reverse – slip Drive Cone onto the Motor shaft – tighten set screw – tighten Motor Mount screws.

NOTE: If the machine has been sitting unused for a long time (weeks or months) a flat may develop on the rubber, causing an audible "bumping" as it rotates. Run it – for several hours, if necessary – it will usually smooth-out and not require replacement (that will also happen to the rubber tires on your car, if you let it just sit – the same remedy applies).