

# Michell Tecno Counterweight and Combined Stylus Balance for Rega Tonearms

## INSTRUCTIONS FOR UPGRADING RB250 – RB300 – RB600

1. Using a piece of rubber or rubber gloves for better grip, remove existing counterweight and stubshaft from rear of arm by unscrewing ~~stubshaft anti-clockwise~~, grips may be used if necessary.  
Many parts of the arm are delicate and require careful handling. Ensure tonearm is in parked position and held securely when removing stubshaft.

NOTE When fitting counterweight to models RB300 and RB600 rotate the Rega arm tracking force adjustment knob fully clockwise to a setting of 3.5. This allows cartridge tracking force to be set using the Tecno counterweight only.

2. Open blister pack and remove stubshaft and finger adjustment assembly, unscrew finger adjuster from stubshaft.
3. Using the piece of rubber or rubber gloves, screw new stubshaft clockwise onto rear of arm, finger tighten DO NOT use metal grips, they will damage stubshaft.
4. Remove ~~scallop weights and slide tube~~ from blister pack. The smaller scallop weight is for cartridges with mass weight of approx. 3grams – 6grams, the larger 6grams – 13grams. Determine which size counterweight is appropriate for cartridge being used, locate slide bush into scallop weight. Using allen key supplied lock grub screw in scallop weight making sure slide bush is central and locking grub screw in slide bush is vertical.
5. Locate slide tube and scallop weight assembly onto threaded stubshaft. Screw finger adjuster onto threaded stubshaft only one or two turns, slide scallop weight assembly back against the finger adjuster, lightly lock assembly with allen key.
6. Ensure bias slider adjuster knob is set at zero.

7. Loosen grub screw on slide bush making sure counterweight assembly is back against finger adjuster; rotate finger adjuster clockwise until the arm is floating with the stylus approx. 1mm above record surface. The cartridge tracking force can now be achieved by further rotation. Each dimpled division is equivalent to 0.1grams tracking force; therefore for example a cartridge requiring tracking force of 1.5grams requires rotation of 15 divisions.
8. Using the allen key tighten the locking screw on top of slider bush making sure the scallop weight is visually horizontal, do not over tighten. Finally gently tighten finger adjuster against slide bush to prevent vibrating loose.
9. Set the bias adjustment knob to the same number as the cartridge tracking force. Note this setting is not critical and a figure of 1-1.5grams will normally be suitable for moving magnet cartridges and 1.5 - 2grams for most moving coil cartridges.

NB. If a cartridge with mass weight of 13grams or more is to be used, use large scallop weight. Follow instructions at step 5, but instead of setting slider bush central on scallop weight set slider bush off centre so that scallop weight is further to the rear. Max offset approx 8mm.