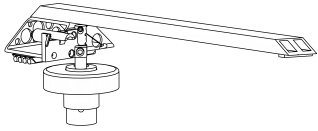


# SUPATRAC Blackbird



## SET-UP CHECK LIST

1. Level Turntable
2. Set Downforce
3. Level Arm (VTA)
4. Set Pivot Contact
5. Clear Wires
6. Attach Magnet
7. Set Pivot Height
8. Set Azimuth
9. Set Bias

## 1. Level Turntable

- accurately level turntable

## 2. Set Downforce

- place balance on bare platter
- lower stylus onto dimples to find balance weight
- hold the arm in your left hand while adjusting the counterweight with your right
- squeeze counterweight towards pivot to increase downforce and away to decrease it

- centre counterweight on arm axis by pinching thrust box and counterweight from sides

## 3. Level Arm

- put arm in play position
- view arm from side to see level
- hold pillar/post carefully to stop it dropping hard when loosening pillar lock bolt
- raise or lower pillar as required
- don't overtighten pillar lock bolt

## 4. Set Pivot Contact

- remove magnet from pivot bolt
- place arm in play position on stationary record
- gently tap back of thrust box to check for pivot contact
- look across thrust surface to check hoists are flush with it
- adjust hoist pipe extension if necessary by loosening hoist pipe locking bolt, taking care not to pinch hoists by pushing top edges of hoist pipe

## 5. Clear wires

- check that the arm wires can move freely and are not tangled or snagged
- tease them clear of any contact using an allen key
- make sure they apply no force or torque on the arm

## 7. Set Pivot Height

- lift headshell high
- insert a 10 x 60mm straight-edged piece of paper between hoists and thrust surface
- push paper down onto points where hoists meet thrust box
- put arm in play position
- adjust hoists so that pivot is at or just below paper edge

## 8. Set Azimuth

- observe cartridge and reflection while playing at middle of side
- turn hoist spools by equal and opposite amounts so that cartridge does not lean towards or away from the spindle
- resettle bearing after hoist length adjustments by pushing arm back and letting it settle against the pivot again

## 6. Attach Magnet

- apply magnet to pivot bolt head
- select magnet size to taste
- 3mm diameter magnet is normally adequate

## 9. Set Bias

- shorten bias pulley by pulling loose end until it slips
- gently cue arm to the edge of the label to extend pulley
- aim for slow motion towards centre on intro and outro flats
- lengthen pulley to make intro and outro bias more equal
- screw bias rotor bolt in or out for less or more anti-skate
- if cantilever develops a default offset, oppose it to compensate

More info: [www.supatrac.com](http://www.supatrac.com)