



Thank you for purchasing the Fan Balancer from Viticulture Harvester Spares (VHS), please find instructions for use.

If you have any questions, call Viticulture Harvester Spares on 08 8568 2153 or email parts@viticultureharvestersparses.com.au

INSTRUCTIONS – FAN BALANCER [Part number: 88028-AM]

Before you start, these are the tools and parts you need:

- 16mm & 17mm Spanner
- Grinder and Discs
- Welder
- Emery/Sanding Cloth
- Hammer/Chisel or Air Chisel
- Weights (part number 65078-AM available from VHS)
- Texta or marker
- Yellow Aerosol Paint Can (part number 88706-AM available from VHS)



Set balancer on a hard surface out of wind and away from a fan (inside is preferable)



Adjust feet so the balancer is roughly level and tighten lock nuts on feet.



Slightly loosen runner lock bolts



Place spirit level across two runners and adjust side bolts to make level



Place the spirit level along both runners (one at a time) and make level



Re-check across the two runners and adjust if needed
Keep re-checking both axis' and adjust as needed.



Once level tighten all lock bolts on runners



Clean up fan with hammer, grinder, or air chisel to remove all sugar and mog.
Using emery tape ensure that the fan shaft is clean between the muncher and the fan also the bottom fan bearing surface must be clean and free of any nicks or cuts. If not, a new shaft must be fitted.



Place fan on runners and centralise so it will roll from one end to the other
Now centralise the fan on the balancer



Allow the fan to roll by itself from one end to the other until it comes to a stop by itself, mark the top of the fan disc.

Now shift it along back to the centre without rolling. Allow the fan to find its balance point again and mark the fan disc again. You will start to see a continual pattern if the fan is out of balance. The heaviest part of the fan will always be at the bottom

If the marks are spaced evenly around the fan disc, then the fan is balanced. The fan can now be reassembled back into the machine with NEW bearings available from VHS and then tested by starting machine and running fans at full speed



If the marks are not evenly spaced around the found disc and you have found the heaviest part of the fan you can do two things:

1. grind off a little weight, or
2. add weight by welding on a weight provided with the balancer. This weight should be welded on the opposite side of the heaviest point.

Continue to re check the fan and add or remove weight to get the fan balanced.



Once the fan is balanced use Gregoire paint to paint surfaced that have been ground back or welded on.

The fan can now be re assembled back into the machine with NEW bearings available from VHS and then tested by starting machine and running fan .

Please contact us if you have any questions.