



HARDI Australia
534-538 Cross Keys Rd
Cavan SA 5094
Ph: (08) 8343 9999

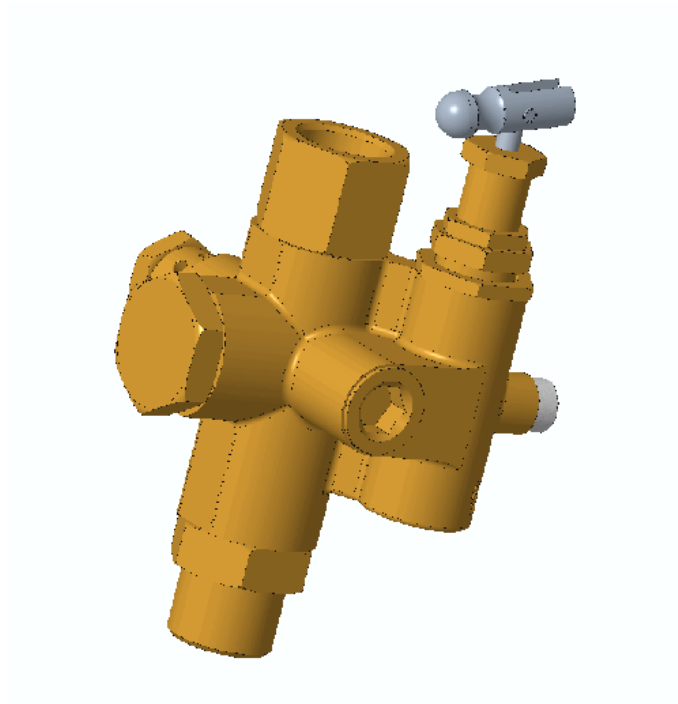
GENIE Mk IV VENT UNLOADER ADJUSTMENT

Instruction

67030004

V1.00

GB – 01.2021



Introduction

This set of instructions is intended to cover the adjustment of the vent unloader fitted to the hydraulically powered CLISBY compressors fitted to ActivAir and H-select machines.

Risk Assessment

Only a person deemed competent to perform the adjustment should do so after having first identified the task's hazards and accounted for the size of their associated risks.

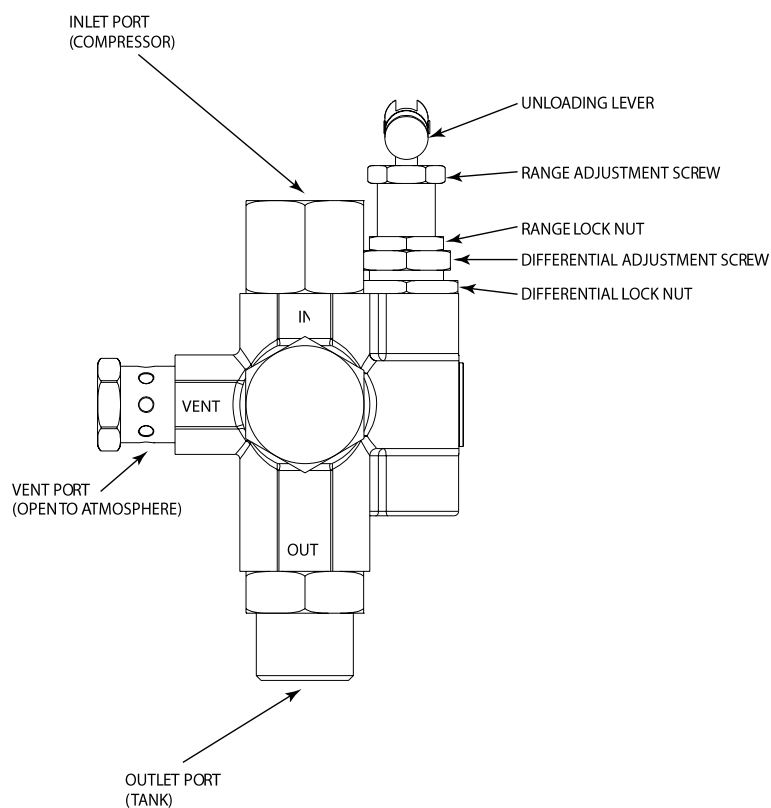
Competence should be defined as that person having had sufficient training, combined with experience, knowledge and assessment relevant to the nature of the work to be undertaken.

Safety Details

It is of paramount importance to ensure that the air pressure in the system is minimised to prevent injuries resulting from high pressure fluid. Whenever loosening a pneumatic fitting, always be prepared for residual fluid pressure to be present.

It is recommended that appropriate personal protective equipment (PPE) is utilised including safety glasses and safety boots.

Adjustment Procedure for Mk IV LGM Load Genies



1. Ensure the machine is turned off and all pressure is released from the air tank.
2. Loosen the differential lock nut and screw the differential adjustment screw fully home (finger tight). Using a spanner, tighten the differential screw an additional $\frac{1}{4}$ turn past finger tight. This causes the valve ball to seat itself in to the valve body fully.
3. Back off the differential adjustment screw $\frac{1}{2}$ turn.
4. Loosen the range lock nut.
5. Run compressor to pressure cut-out. Set the cut-out adjustment to between 7.5-8.0 bar using the range adjustment screw. Screw in for higher cut-out and screw out for lower cut-out.
6. Bleed air from the tank and note the cut-in pressure. Set the cut-in pressure to between 6.5 and 7.0 bar using the differential adjustment screw. Screw in for lower cut-in and screw out for higher cut-in.
7. Re-check the cut-out pressure as adjustments made in step 6 will affect the cut-out pressure. Adjust as necessary.
8. Run compressor again to cut-out pressure. If air is rapidly bleeding from around the unloading lever, it can often be stopped by biasing the adjustment screws to one side or the other with your thumb. Once the position for minimum leakage is found, hold it there and tighten the differential lock nut.
9. Tighten the range lock nut.