

Sales & Service:



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VACULEX Vacuum Lifters

Basic Operating Procedures for VL Series Lifters

!!!These procedures are intended for basic use of the Vaculex Vacuum Lifter. All personnel using this equipment should be fully trained and aware of the safety and maintenance procedures outlined in the Vaculex Manual!!!

- 1.) Turn Vacuum Pump On.
- 2.) Guide vacuum tooling to load and gently depress the raise/lower control lever to lower the cups onto the load surface.
- 3.) Once all cups make contact and are sealed on the load, gently squeeze the control lever to raise the load. The "Load" Balance Control Knob can be set to hold the load at a desired height without keeping the operators hand locked into position on the control handle.
- 4.) Guide the load to the desired location. Always make smooth motions when guiding the load. Do not make abrupt starts and stops to avoid jarring the load or running into other objects.
- 5.) When releasing load, gently depress control lever to lower the load onto the desired supporting surface. When load is set down, depress control lever fully to evacuate vacuum from the lift tube. A slight pull upward on the control handlebar may be necessary to release the cups from the surface of the load due to a small amount of residual vacuum left in the cup. When cups have been released, let go of the control lever and unit will go back into "No Load" balance. Refer to following pages for further instructions on Load and No Load Balance Settings.

LOAD & NO-LOAD BALANCE ADJUSTMENTS:

NO-LOAD BALANCE ADJUSTMENT

Without a load attached, the NO-LOAD Balance Adjustment knob can be adjusted so that the Vaculex system balances (hovers) at a desired height. Turning the knob clockwise will cause the lifter to rise higher and counter clockwise will cause the unit to hover at a lower height.

LOAD BALANCE ADJUSTMENT

With a load attached, the LOAD Balance Adjustment Knob can be adjusted to perform the same function as described above. This knob can be adjusted to hold the load at a desired height without the operator holding the raise/lower handle. To set this, start with the knob turned counter clockwise all the way open and then place cups on load. Start turning the knob clockwise (without squeezing the handle) until the load reaches a desired height.

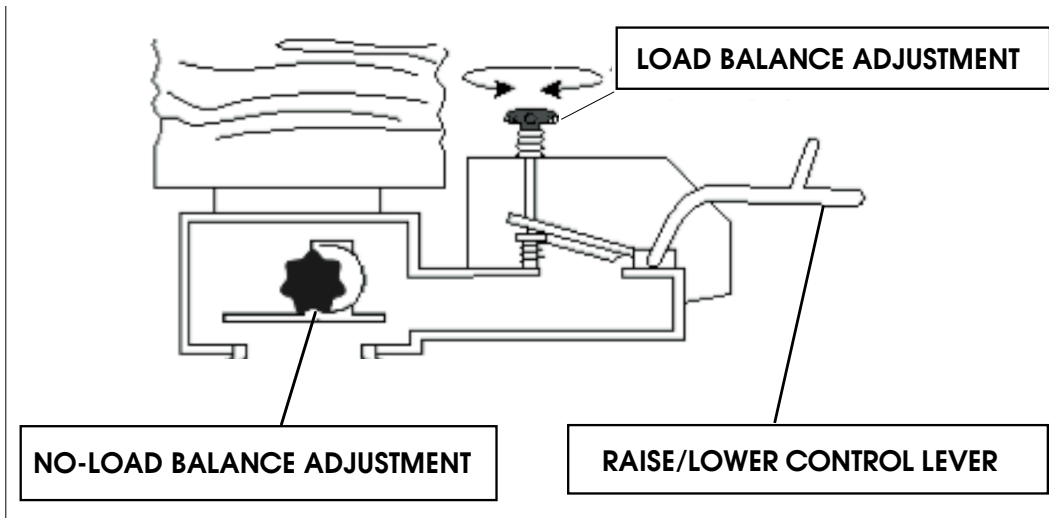
These adjustments work somewhat in conjunction with each other so an adjustment in one setting may require a slight readjustment of the other. For varied weight loads, it is recommended to find a setting that is somewhere between the various weights. If the weights lifted vary but are run in lots, the adjustments should be set each time the lot is changed.

NOTE:

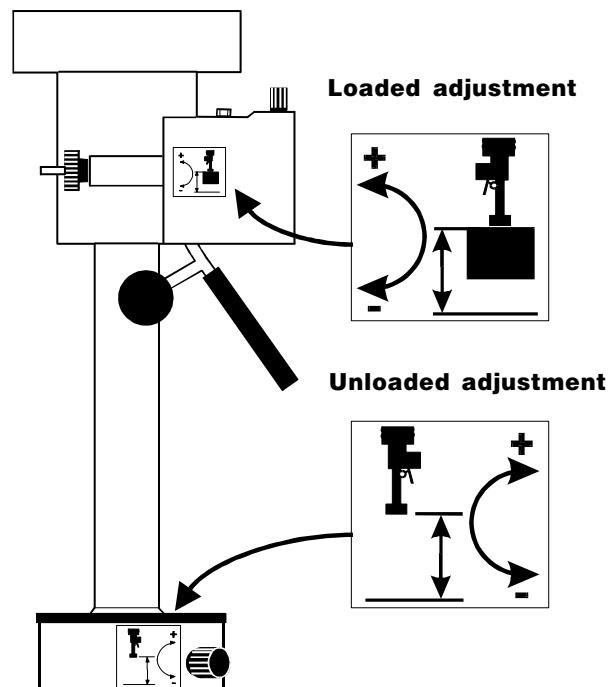
Never set the NO-LOAD Balance Adjustment all the way closed (lifter fully contracted).

This starves vacuum flow to the cups and creates a weak vacuum hold!

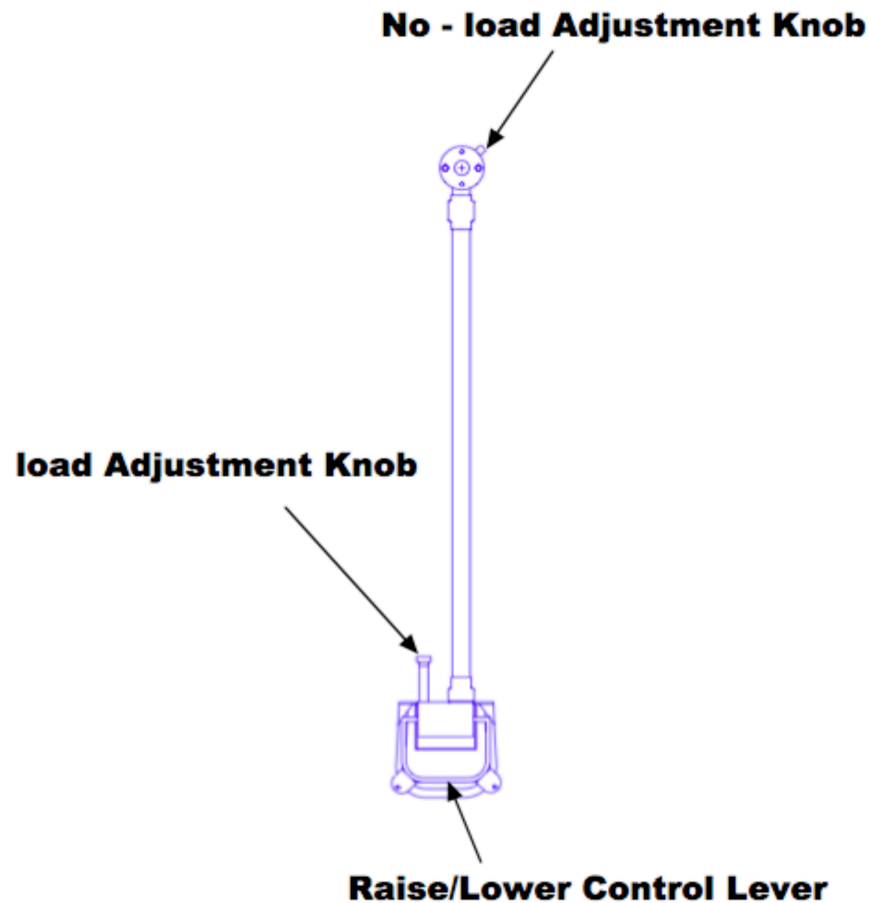
See diagram on following page for adjustment knob locations.



VACULEX VL SERIES LIFTERS



VACULEX ML SERIES LIFTERS *(Microlex)*



VACULEX ML SERIES LIFTERS
(Microlex with Extended Control Handle)

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