



Bennu Hydraulic Mast-Climbing Scaffolding Platform Series #3 Counterbalance Valve Pressure

Method for setting the counterbalance valve pressures (two functions):

These procedures must be done for each lifting side of the power unit.

The multi port counterbalance valve manifolds are aluminum, and each is located on the side of the motor component of the gearbox facing the back of the power unit.

The larger adjustment fitting which points toward the outboard end of the power unit contains the brake release pressure screw. (Picture 1)
This fitting only requires being set; there is no need to gauge the results. To set: loosen the $\frac{3}{4}$ " jam nut a couple turns. Turn the $\frac{5}{16}$ " allen screw in to the stop; back it out $\frac{1}{2}$ full rotation and reset the jam nut. (Picture 2)
(Tip: Use a sharpie to mark start and stop on the fitting to help line up the position).

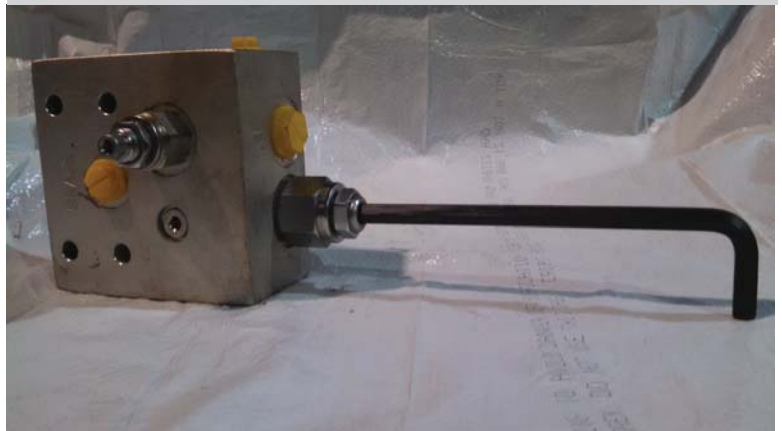
The smaller fitting pointing toward the rear of the power unit sets the down pressure limit that turns the wheel backwards and retracts the safety dog. This procedure is best done when the platform is resting squarely on the base. It requires a 5000# rated pressure gauge be mounted on the left side of the main valve gang. First, slowly bring the manual control lever of the mast side you are adjusting to full (down) power, and read the gauge. The correct setting is approximately 1,600 psi. To adjust at the manifold, loosen the $\frac{11}{16}$ " jam nut on the down pressure fitting. Insert a $\frac{3}{16}$ " allen key; turn clockwise to increase pressure, counterclockwise to reduce pressure, no more than a quarter of a turn at a time. Retighten the jam nut to finish the procedure. (Picture 3)

Bennu Parts and Service, Inc.
651 E. Devon Ave.
Elk Grove Village, Illinois 60007 USA
Office: 847-595-8444 | Fax: 847-595-8554
www.bennuparts.com | www.castleandson.com

Office hours: 6:00 AM to 4:30 PM Monday through Friday



Picture 1



Picture 2



Picture 3