

To: All Distributors
Regional Sales Managers and National Sales Manager

From: Technical Service

Model: Automizer/Right Hand, Expert/Helping Hand

Subject: Arm Valve Pressure & Cycle Time Adjustment

The following procedure should be used to properly adjust the Automizer or Expert relief pressures and cycle times on the arm valve:

Tools required:

3mm Allen wrench

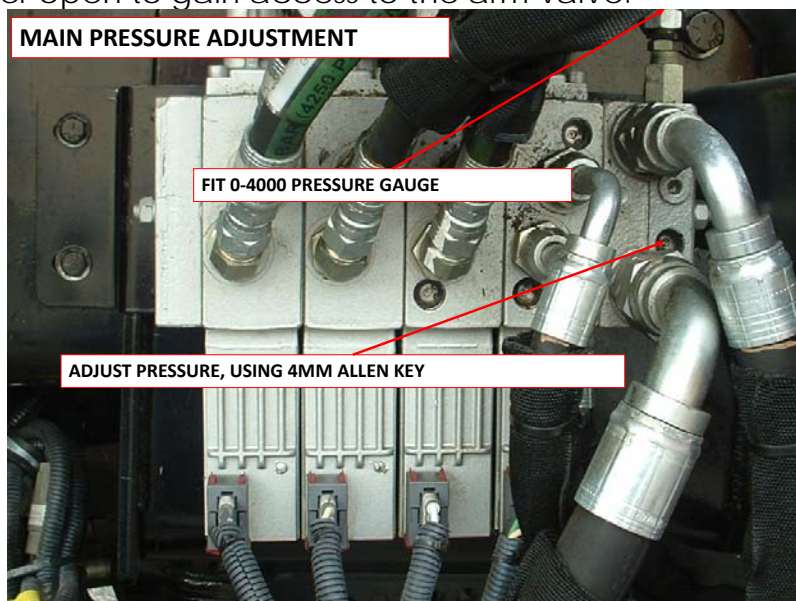
4mm Allen wrench (long reach)

10mm combination wrench

9/16" socket and ratchet

0-4,000 PSI hydraulic gauge, fitted with LabriePlus part number HYF10195 quick coupler

- On the Automizer, use the 9/16" socket and ratchet to remove the valve cover to gain access to the arm valve. On the Expert, remove the rubber tie down and swing the cover open to gain access to the arm valve.



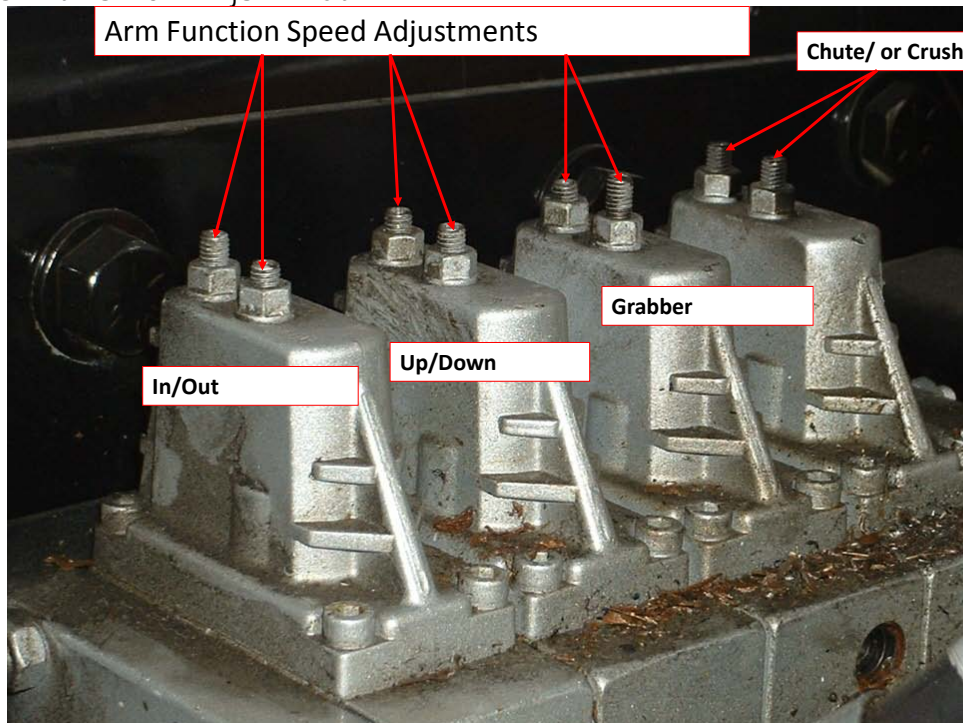
- Remove the dust cap from the quick connect port on the inlet section of the arm valve and connect a 0-4,000 PSI hydraulic pressure gauge to the quick connect port. The inlet section of the valve houses the main relief for the entire valve assembly; this main relief is also the relief for the proportional valve sections (in/out and up/down).
- Start the truck and engage the pump. Engage and hold the arm down function to raise the hydraulic pressure to the main relief setting; the gauge should read:
 - Helping Hand – 2,000 PSI
 - Standard Right Hand – 2,000 PSI
- To adjust the main relief use a 4mm long reach Allen wrench to turn the relief clockwise to increase pressure, or counter-clockwise to decrease pressure.
- The on/off valve sections, such as the gripper and crusher sections, also house their own reliefs, one for each function. To adjust the valve section reliefs, operate each function over relief and turn the corresponding relief (clockwise to increase pressure, or counter-clockwise to decrease pressure) to adjust to the appropriate pressures. Please refer to the included pressure/cycle time chart for specifications.

Automizer/Right Hand Function	Standard		Heavy Duty	
	Cycle Time (Seconds)	Pressure (PSI)	Cycle Time (Seconds)	Pressure (PSI)
Arm Out	4.5	2,000	4.5	2,700
Arm In	3.5	2,000	3.5	2,700
Arm Up	3.6	2,000	3.6	2,700
Arm Down	3.0	2,000	3.0	2,700
Gripper Close	2.0	1,200 (96 Gallon) 1,800 (300 Gallon)	2.6	1,200 (96 Gallon) 1,800 (300 Gallon)
Gripper Open	1.7	1,000	2.5	1,000

Expert/Helping Hand Function	Standard		Long Reach	
	Cycle Time (Seconds)	Pressure (PSI)	Cycle Time (Seconds)	Pressure (PSI)
Arm Out	4.2	2,000	6.3	2,000
Arm In	3.0	2,000	4.8	2,000
Arm Up	2.8	2,000	2.8	2,000
Arm Down	3.0	2,000	3.0	2,000
Gripper Close	2.0	1,200	2.0	1,200
Gripper Open	1.5	750	1.5	750

To adjust cycle times:

- Locate the 3mm Allen set screws on the manual valve actuator, which are locked in place with a 10mm jam nut.



- Verify the cycle times are in accordance with the specifications on the included chart. It is imperative to the structural integrity of the arm that the cycle times are correct.
- To adjust the cycle times, loosen the 10mm jam nut and turn the 3mm Allen set screw clockwise to slow the cycle time, or counter-clockwise to increase the cycle time.
- Once the correct pressure and cycle times have been set, install the valve cover.

Please contact LabriePlus at (800) 231-2771 with any questions or for further information.