

AIMCO SET DOWN SAFETY ADJUSTMENT PROCEDURES:

DESCRIPTION:

Each AIMCO System is equipped with a "Set-Down" Safety Circuit that assures the load cannot be released until it has been placed on a supportive surface. This safety circuit is located in the logic control box, nested between the operator's handlebars on the tool frame.

The controls consist of a valve and a regulator. The regulator is adjusted to sense the weight of the lightest payload to be handled. Once the air pressure in the lift cylinder is exhausted below the amount required to lift the lightest load, the valve will activate. When the valve is activated, a pilot air signal is sent to the vacuum release button allowing the load to be released.

ADJUSTMENT PROCEDURE:

- 1. To adjust the sensitivity of this safety will require a work-piece representing the lightest payload to be handled. Place this work-piece on a table and bring the tooling to a position directly above the work-piece. Raise the empty unit slightly to assure pressure is in the lift cylinder.**
- 2. Open the logic control box and locate the black dial regulator. Carefully pull the stem of the dial until it unlocks from position. Turn the dial counterclockwise until the unclamp button does not function with the tooling unloaded.**
- 3. Lower the tool and pick the work-piece with the clamping grab to a height about 1-2" above the table.**
- 4. With the unclamp button depressed, turn the dial on the regulator clockwise until the unclamp button functions and releases the load.**
- 5. Turn the dial very slightly counterclockwise and re-pick the load. Repeat as necessary until this load cannot be released until it is set on a resting surface and a slight amount of pressure exhausted from the lift cylinder.**

Should you have any questions or require technical assistance, please contact AIMCO. (419) 478-4851

