



7358 County Road 623, Millersburg, OH 44654 / 330-674-2847 / [accuforcetesters.com](http://accuforcetesters.com)

Please read this manual prior to using your Accu-Force Spring Smasher® to ensure safe operation of your unit. This product is designed to be used only by sophisticated users, properly trained in its operation. Use by any other user may result in bodily injury or damage to the product. By its purchase of this product, buyer represents that it is such a sophisticated user, will limit further use to such users, and will obtain for itself and provide to other permitted users, the proper training in its operation. Buyer and all users agree to indemnify and hold harmless Accu-Force from any and all claims, demands, or causes of action made against Accu-Force by any person, agency or entity arising out of any or incident to any use, alteration or modification of this equipment sold herein in violation of any Federal, State or Local health or safety laws or regulations, or standard of health or safety promulgated by an agency, organization or society, or in contravention of any representations made herein. Any or all disputes shall be construed in accordance with the laws of the State of Ohio and venue shall lie with the Court of Common Pleas of Holmes County, Ohio.

## Operating the Standard Accu-Force Spring Smasher®

### Powering the Unit

- This unit is to be plugged in to a grounded 115 volt power supply.

### Using the Controls

- Switch the lighted power switch to the “on” position.
- Once the display screen is powered up, it shows the center to center distance of the shock mounts and the total load of the unit at the top of the display.
- With nothing on the Spring Smasher, the load should read zero pounds. If it does not, you can zero the reading by pressing and holding the reset button for 5 seconds.
- Run the actuator switch up or down to load shock and spring assembly into Spring Smasher. The unit travels from 28” to 10” enabling you to test from 5” up to 10” shock and spring assemblies.

### Run Tests as Desired

- Use actuator switch to load or unload spring as desired.
- By pushing the bottom travel and load buttons on the display, you can set and reset the distance traveled or load at any time. *(Please note – The unit must have some load on it before the bottom load will display.)*
- You can clear the bottom travel or load displays from the screen at any time by hitting the center reset button for 1 second.
- The Spring Smasher has a limit of just over 3,500#. It also has a built-in limit of negative 25#. Care must be taken when extending a shock to take it off the Spring Smasher.

### **IT IS POSSIBLE TO OVER-EXTEND THE SHOCK EVEN WITH THE BUILT IN LIMIT.**

You should always hit the reset button to clear the bottom travel and load displays. At this point, pay attention to the total load display and run it to between 10# & 0# to pull pins and take shock and spring assembly off the Spring Smasher. Be careful not to go into negative readings.

### Pull Mode

- To use the Spring Smasher in pull mode – Press and hold both outside buttons on the control panel for five (5) seconds. Then choose between shock mode or pull mode by pressing the corresponding button below the screen. In the lower right corner of the display, there will be either an “S” or “P” to designate which mode you are in. The pull limit is set at negative 2,500#.

### To Manually Operate Actuator

- Remove back cover. Move lever on top of motor to manually release motor brake. Insert 11mm or 7/16” socket thru hole in bottom of actuator, then manually crank actuator.