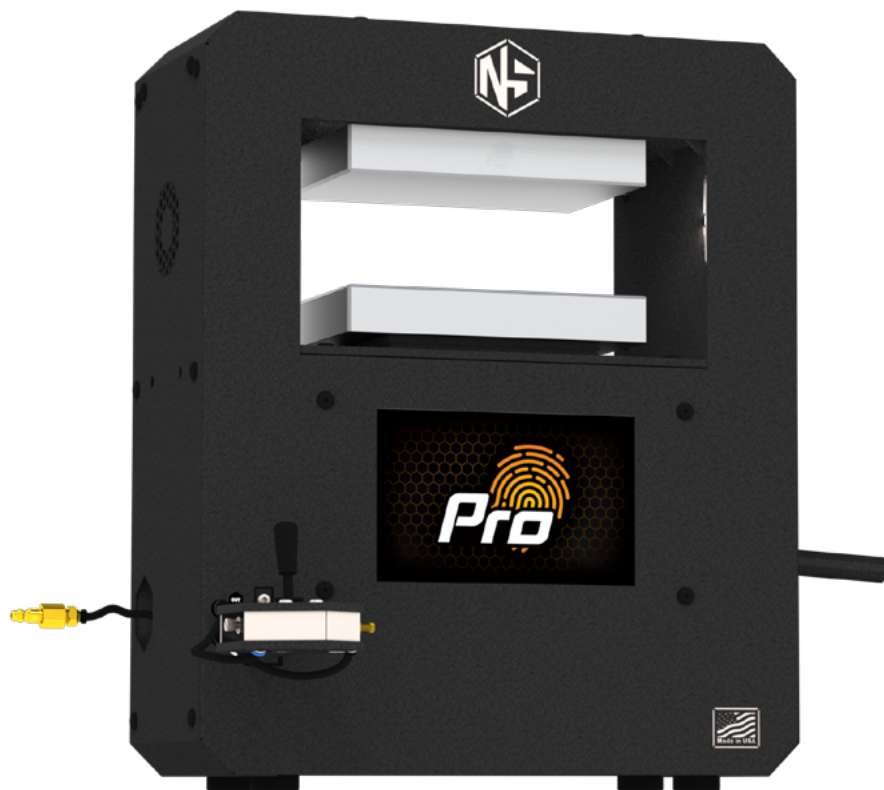
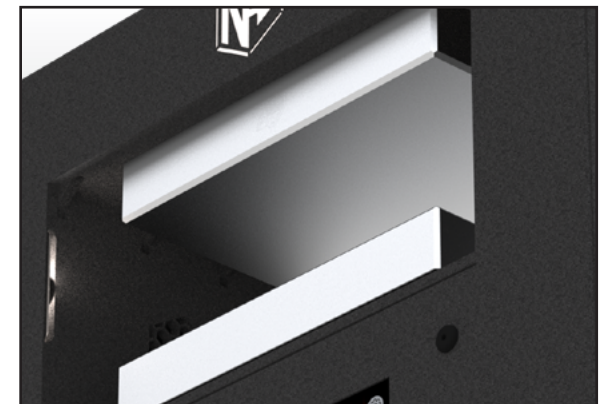
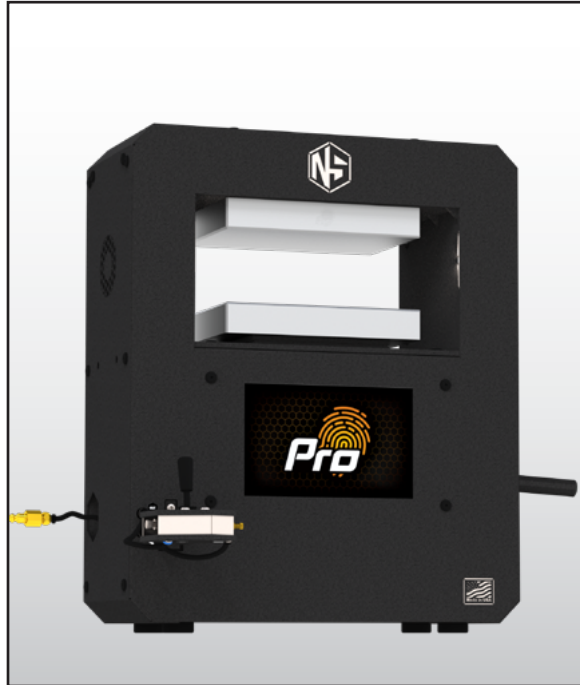




**ROSIN
MADE
SIMPLE**

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Thank you for the purchase of your NugSmasher® ProTouch. We have designed this unit for the purpose of effortless rosin extraction with industry leading 7"x 10" plates and integrated touch screen allowing for the ultimate control and pressure application. When setting up your unit, please ensure your stand is suitable for the weight of the machine. Also note, that the unit gets hot and the high temperature hydraulic heat plates are capable of bodily injury if not used in a safe manner. ***(Please do not attempt to open your unit casing as this will void your factory warranty.)***

While our products are sturdy and built to last, they are also heavy and shippers can be rough during handling. If there are any problems from shipping and your item does not deliver safely please contact us direct so we can resolve the matter immediately.

As always, please feel free to call us at any point with any questions or concerns at ***(951) 272-9800*** or ***NugSmasher®.com/contact***.

- Your release knob is packaged in foam near the heat plates and will be installed on the right side of unit towards bottom of press.
- Notice the keyed end of the release valve as it slides through side of unit and can be installed easily by looking at rear of machine under manual handle sticker.
- Rotating release knob clockwise till it is tight will allow press plates to be raised via manual handle or pneumatically with 90-100 psi air compressor (3-5) gallon small compressor is ideal. Using a water separator is recommended to minimize any water from entering the unit.
- Rotating release knob counter clockwise will allow plates to separate and open – never open beyond one-half turn to release plates as damage and loss of fluid may occur. Please note that under any circumstances do not turn release valve more then $\frac{1}{2}$ a turn in the open (counter clockwise) direction as this will void your warranty and may result in hydraulic fluid loss. Also make sure when not in use or stored, the release valve must be in closed tight (clockwise) position.

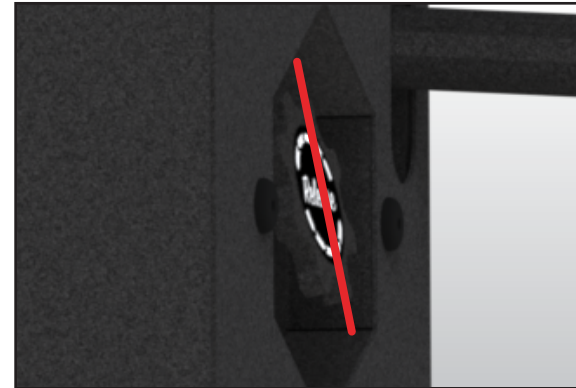
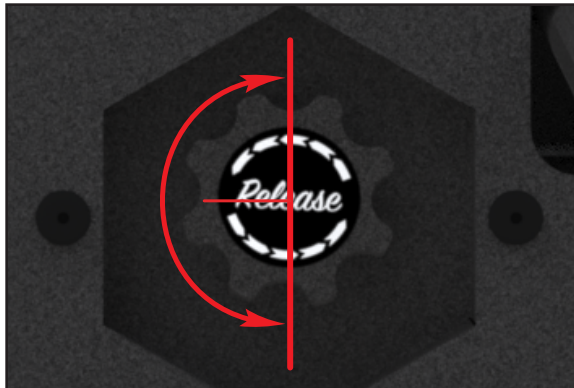


KEEP RELEASE VALVE IN CLOSED “CLOCKWISE POSITION” WHEN NOT IN USE

Please note that under any circumstances do not turn release valve more then $\frac{1}{2}$ a turn in the open (counter clockwise) direction as this will void your warranty and may result in hydraulic fluid loss. Also make sure when not in use or stored, the release valve must be in closed tight (clockwise) position.

WARNING!

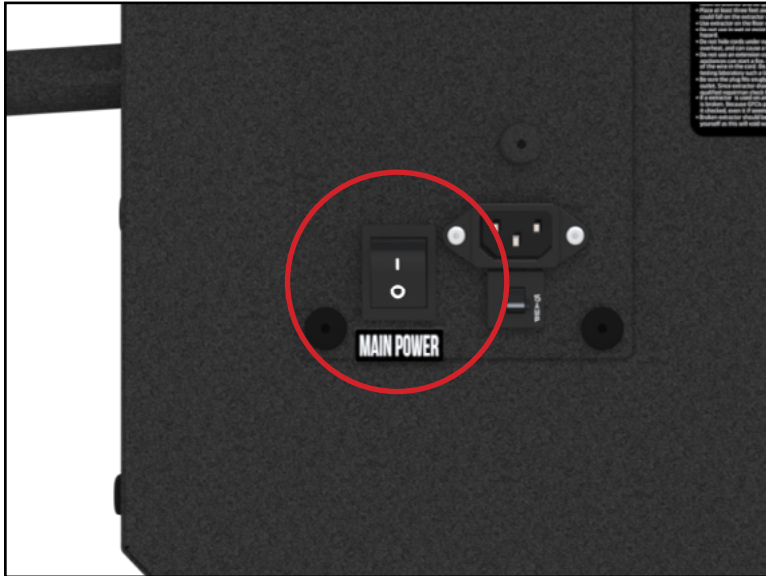
Never turn your release knob more than $\frac{1}{2}$ full turn counter clock wise from tight.



PLEASE NOTE:

Your release knob is designed to have a slight upward angle.

Powering on Unit: To start your unit turn on power switch on the rear of unit (red circle) and display will start within 5 - 7 seconds. The NugSmasher® ProTouch is designed with several time saving features that will allow you to choose the perfect setup and pressure using our NugSmasher® bags



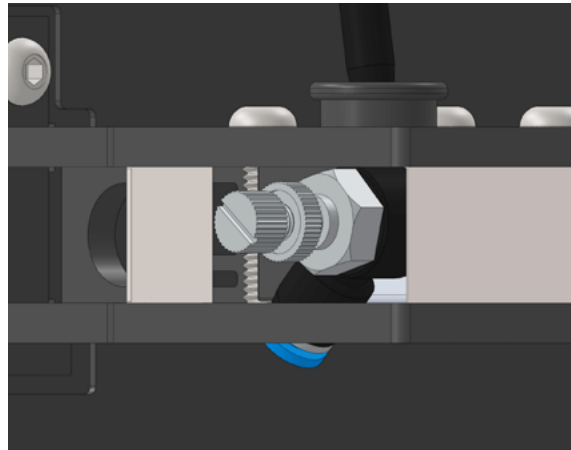
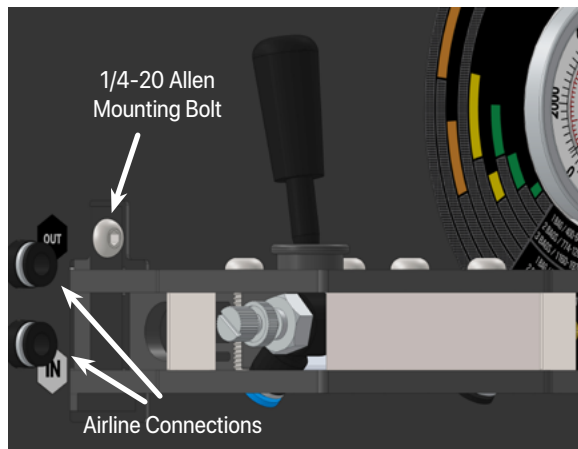
in accordance with their dimensions. We also have integrated a custom configuration for bag size if your using Non NugSmasher® bags to achieve correct pressure vs. surface area configuration. (Note not all bags are created equally, use NugSmasher® bags for best results).

Powering off Unit: DO NOT power off your unit by the switch! It is imperative when powering down to use the on screen power button (green circle in illustration below). Once power down cycle is complete and screen has shut down -approximately 7-10 seconds- then the main power switch on the rear on the unit can be set to the off position. Internet connection setup The wifi connectivity of your machine must be turned on to allow any updates which will include new NugSmasher® ProTouch capabilities with your machine as



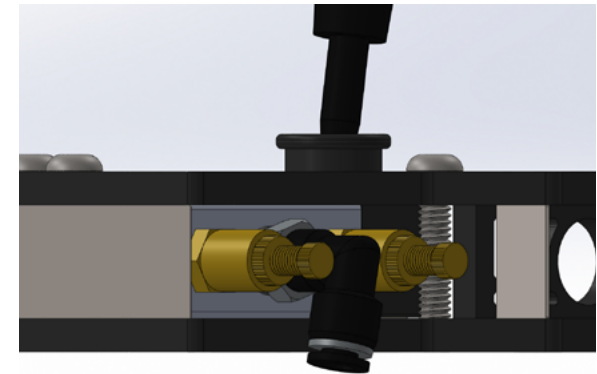
*they are designed. Simply go to settings button which is on the top right of your screen and select "connect" to allow it to be connected via your home wifi network, connect to your available network connection by inputting your wifi password. **Note:** Connection can take aprox 10 seconds before its connected. The system only works wireless so you would need to have a wireless connection within range.*

Your new NugSmasher ProTouch is equipped with a more precise joystick controlled actuator. Upon unpacking you will find the ProTouch controller separately boxed. Please mount joystick on the front bottom left of machine with provided 1/4-20 allen bolt to mount joystick securely. There are two push connect airline connections that are labeled IN and OUT match up the airlines, and push them into connection point.



There are fine adjustments that can be made to allow unit to apply pressure in very small increments or speed up plate movement. On left side of joystick enclosure you can adjust set screw in or out and use lock nut to hold position if you have found a setting that you prefer to use all the time. As valve is screwed in less pressure will be allowed to pass through the unit which will slow plate movement and allow for fine incremental pressure application. As the valve is unscrewed you will notice the plates will raise faster and fine adjustment more difficult. It is best to test and dial in your ideal setting with nothing on the plates

before you start pressing material, take note with joystick fully towards you it stops all air application, middle setting is where you will finesse forward to add small increments and full forward would be if plates were completely down and you wanted to raise without holding it forward.



Do not adjust the copper bleed valves on right side of joystick. The new ProTouch has main power switch on rear of unit and all other operations will be controlled by the touch screen, (i.e. lights on and off and integrated fan.)

The NugSmasher® ProTouch can be used with a manual pump handle or pneumatic operation with push button actuation of plates. The NugSmasher® ProTouch requires a compressor (not included) with a minimum psi of 100 psi and 3-5 gallon air capacity. Note the larger the supply tank the less you will have your compressor cycling on and off. Attach compressor and airline to input line in recessed pocket on left side of machine.



IDEAL TEMPERATURE:

The ideal pressure and temperature will vary depending on strain and growing techniques so don't be discouraged on your results when you press new material. We recommend when pressing a new strain to start at approx. 220 degrees for flower and notate your yield results (weight of material in vs. rosin out). Perform additional test presses and drop 5-7 degrees per press until you notice your yield percentage starting to drop. Adjust back to the previous temp and that will be your ideal temp for that strain. It is advised to have a thermal temp gun to verify and check temperatures from time to time. Use our temperature test strips included with your unit (also available for purchase at NugSmasher®.com), unless in a pinch use a small piece of electrical tape as the high gloss on heat plates will affect accurate temp readings if using a thermal temp gun. (As shown in Illustration)

PRESSURE:

Once your unit reaches set temperature you're ready to start pressing. Once you have your material between **parchment paper -do not use wax paper!**, slowly start raising plates. It is key to do this slowly to properly build heat into your material. The entire pressing process should be between 90-120 seconds depending on your strain. Your NugSmasher® ProTouch is most capable of over pressing your material as the mistake made most with new extractors. See, [NugSmasher®.com/tools/calculator](https://NugSmasher.com/tools/calculator) tool for pressure calculations for your NugSmasher® Pro. There are several videos available online on the NugSmasher® social Instagram account as well as the NugSmasher® YouTube channel that are very beneficial for techniques and tips of your rosin extraction. **Note:** Do not use other leverage device or foot to push manual handle down as you will cause damage not covered by warranty.

LOADING MICRON BAGS:

NugSmasher® extraction bags, are recommended for optimal yield and clean quality rosin. Our bags are hand-made and packaged in the USA! NugSmasher® extraction bags are specifically designed to work with the weight of fresh cured flower and are labeled accordingly at: 3.5 g (1.1g-3.5g), 7 g (3.6g-7g) and 14 g (7.1g-14g). This assumes the bags are loaded (BTS) or bottle/barrel-tech style (upright so that you end up with the round coin like puck once fully pressed). This perfected method allows you the ability to put the proper weight of flower into the bag and get a consistent extraction every time. This method also applies the proper pounds per square inch of pressure (PSI) on your product and eliminates the guess work.



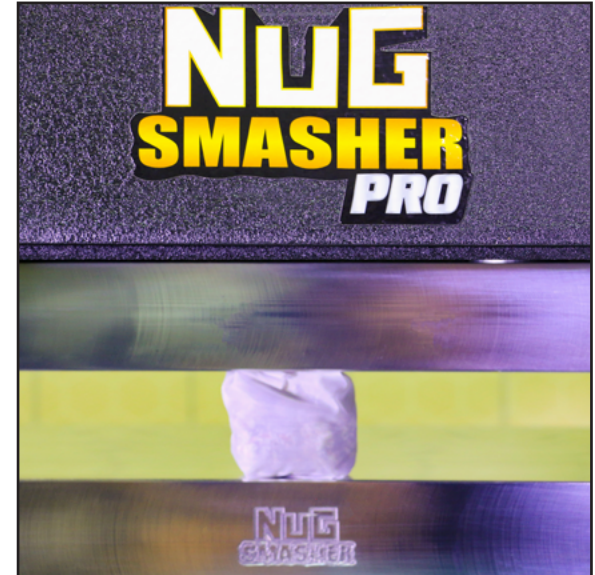
3.5g bag (1.1g-3.5g) = 1.5"-1.6"Diameter

7g bag (3.6g-7g) = 2"-2.2"Diameter

14g bag (7.1g-14g) = 2.4"-2.7"Diameter

REMEMBER

"FIRE IN FIRE OUT!"



As the micron gets smaller the diameter gets larger, this is the reason for the variance in the diameter numbers above. We prefer to use 160 micron for fresh flower, as flower dries we go down in micron screen size (for dry flower use 90 micron). Micron size determines the diameter (surface area) of the smashed bag. For nugs 1g and smaller no bag is necessary. For more details about loading Bottle-Tech and/or Barrel-Tech style (BTS) please visit NugSmasher® on YouTube: <https://www.youtube.com/watch?v=0osvcD7CLK0>

Plate Pressure: -VS- Gauge Pressure:

Plate Pressure:

The applied plate pressure is determined by the extracted material's surface area (bag, size and quantity) and the applied pressure to the extraction (Gauge PSI Reading)

Gauge Pressure:

Gauge pressure (psi) is measured from the hydraulic rams fluid pressure. This is the applied pressure and should be adjusted to the surface area to achieve optimum results.

NugSmasher® ProTouch Consistency Chart PSI to Surface Area Bag Selection

PSI ON Material	500	750	1000	1250	1500	One 3.5G Bag (BTS)
Gauge Reading	258	387	516	645	774	
PSI ON Material	500	750	1000	1250	1500	Two 3.5G Bags (BTS)
Gauge Reading	515	774	1031	1289	1547	
PSI ON Material	500	750	1000	1250	1500	Three 3.5G Bags (BTS)
Gauge Reading	773	1160	1547	1934	2321	
PSI ON Material	500	750	1000	1250	1500	One 7G Bag (BTS)
Gauge Reading	459	687	917	1146	1375	
PSI ON Material	500	750	1000	1250	1500	Two 7G Bags (BTS)
Gauge Reading	917	1375	1834	2292	2751	
PSI ON Material	500	750	1000	1250	1500	Three 7G Bags (BTS)
Gauge Reading	2751	4126	5502	6877	8253	
PSI ON Material	500	750	1000	1250	1500	One 14G Bag (BTS)
Gauge Reading	716	1075	1432	1791	2149	
PSI ON Material	500	750	1000	1250	1500	Two 14G Bags (BTS)
Gauge Reading	1433	2149	2865	3582	4298	
PSI ON Material	500	750	1000	1250	1500	Four 14G Bags (BTS)
Gauge Reading	2865	4298.65	5731.54	7164	8598	

Surface Area Key

NugSmasher® extraction bags, our bags are recommended or optimal yield and clean quality rosin. NugSmasher® extraction bags are specifically designed to work with the weight of fresh cured flower together with our extraction machines and are labeled accordingly at: 3.5g, 7g and 14g this assumes the bags are loaded (BTS) or bottle/barrel-tech style (upright so that you end up with the round coin like puck once fully pressed).

This perfected method allows you the ability to put the proper eight of flower into the bag and get a consistent extraction very time. The reason for this is that it allows for the proper pounds per square inch, pressure (PSI) on your product and eliminates the guess work.

3.5g = 1.5" Diameter = 1.77" in surface area
7g = 2"-2.2"Diameter= 3.14" in surface area
14g=2.4"-2.7"Diameter= 4.91" in surface area.

We prefer to use 160 micron for fresh flower, as flower dries we go down in micron screen size (for dry flower use 90 micron).

NOTE: As the micron gets smaller the diameter get slightly larger.
Example: 90 micron is about 5% larger at the end of your extraction.

For the ProTouch Calculator tool, please visit,
NugSmasher.com/tools

EXTRACTION EXAMPLE:



One 14g Bag

Plate Pressure
750 PSI

There is only one 14g bag that has the total surface area of around 4.91in²

Hydraulic Fluid Pressure
1074 PSI

To extract your material at 750 PSI with a surface area of 4.91in (one 14g bag) it would equal 1074 PSI on your gauge.

Four 14g Bags

Plate Pressure
750 PSI

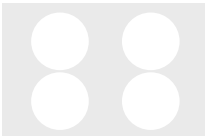
There are four 14g bags that has a total combined surface area of around 19.64in²

Hydraulic Fluid Pressure
4298 PSI

To extract your material at 750 PSI with a surface area of 19.64in² (4.91in² for each 14g bag) you would need 4298 PSI on your gauge.



TOP PLATE VIEW:



Use calculator tool for all configurations.

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- The contents of this document may be subject to change without notice.
- Due to improvement or change of this device, the description of this document could be partially different in specification, for which your understanding is requested.
- With the exception of what is provided for in the warranty provisions of NugSmasher®, we do not assume any liability against the damages (including but not limited to the loss of profit, indirect damage, special damage or other monetary damages) arisen out of the use or failure to use this product properly. The same shall also apply to the case even if NugSmasher® had been notified of the possibility of arising damages in advance. As an example, we shall not be liable for any loss of material made using this product or indirect damages caused by the product.
- Use of your NugSmasher® press should be done in accordance with all local, state and federal regulations. It is owner/users responsibility to know and understand laws and regulations regarding concentrates. NugSmasher® has no responsibility of how product is used and products produced with it.

- Keep away from children, pets and clothing.
- Never leave the extractor on when you go to sleep or leave the area.
- Never use or store flammable liquids (such as gasoline) around the extractor. The flammable vapors can flow from one part of the room to another and be ignited by an electrical spark.
- Place at least three feet away from objects such as bedding, furniture and drapes. Do not place where towels or other objects could fall on the extractor and start a fire.
- Use extractor on the floor or bench top. Never place on furniture, since unit may fall , which could result in a fire or shock hazard. Do not use in wet or moist places, such as bathrooms; corrosion or other damage to parts in the unit may lead to a fire or shock hazard.
- Do not hide cords under rugs or carpets. Placing anything on top of the cord or unit as it could cause the cord or machine to overheat, and can cause a fire.
- Do not use an extension cord unless absolutely necessary. Using a light-duty, household extension cord with high-wattage appliances can start a fire. If you must use an extension cord, it must be marked #14 or #12 AWG; this tells the thickness or gauge of the wire in the cord. Do not use a cord marked #16 or #18 AWG. Only use extension cords bearing the label of an independent testing laboratory such a U.L. or E.T.L.
- Be sure the plug fits snugly in the outlet. Since a loose plug can overheat, have a qualified repairman replace the worn-out plug or outlet. Since extractor draw lots of power, the cord and plug may feel warm. If the plug feels hot, unplug the heater and have a qualified repairman check for problems. Using an extractor with a hot cord or plug could start a fire.
- If a extractor is used on an outlet protected by a ground fault circuit interrupter (GFCI) and the GFCI trips, do not assume the GFCI is broken. Because GFCIs protect the location where leakage currents can cause a severe shock, stop using the extractor and have it checked, even it if seems to be working properly.
- Broken extractor should be checked and repaired by a qualified service center. Do not attempt to repair, adjust or replace parts yourself as this will void warranty.



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